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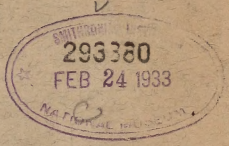

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Disclaimer follow in separate indexes, but precede the List of Inventions

A. B. A. Specialties Company. (See Howe, B., and Kunzelman, assignors.)
A. B. See Elevator Company. (See Lindstrom, Nils O., assignor.)
A-B Stove Company. (See Reedy, Alfred J., assignor.)
A C Spark Plug Company. (See Babitch, Abraham M., assignor.)
A C Spark Plug Company. (See Bacon, Elbridge F., assignor.)
A C Spark Plug Company. (See Berdon, Albert E., assignor.)
A C Spark Plug Company. (See Blair, Mark L., assignor.)
A C Spark Plug Company. (See Champion, Albert, assignor.)
A C Spark Plug Company. (See Davey, Clarence G., assignor.)
A C Spark Plug Company. (See Duffendack, O. S., and Rabezzana, assignors.)
A C Spark Plug Company. (See Eshbaugh, Jesse E., assignor.)
A C Spark Plug Company. (See Gustafson, Edwin A., assignor.)
A C Spark Plug Company. (See Hampton, Leon N., assignor.)
A C Spark Plug Company. (See Helgeby, Ralph O., assignor.)
A C Spark Plug Company. (See Kamrath, Herbert G., assignor.)
A C Spark Plug Company. (See McDougal, Taine G., assignor.)
A C Spark Plug Company. (See McKinley, Charles W., assignor.)
A C Spark Plug Company. (See Montgomery, Earle T., assignor.)
A C Spark Plug Company. (See Moulding, Thomas G., assignor.)
A C Spark Plug Company. (See Pineau, Auguste, assignor.)
A C Spark Plug Company. (See Rabezzana, Hector, assignor.)
A C Spark Plug Company. (See Randolph, D. W., and Ford, assignors.)
A C Spark Plug Company. (See Webb, Hartwell W., assignor.)
A C Spark Plug Company. (See Wedin, Ivar, assignor.)
A C Spark Plug Company. (See Zeibig, B. H., and Zubathy, assignors.)
A C Spark Plug Company. (See Zubaty, Joseph, assignor.)
A C Spark Plug Company. (See Zubaty, J., and Eshbaugh, assignors.)
A C Spark Plug Company. (See Zubaty, J., and Smith, assignors.)
A. G. Brown Boveri & Cie. (See Schnitzer, Richard, assignor.)
A. G. fur Halbzellstoff Industrie. (See Hoyer, Fritz, assignor.)
A. P. W. Paper Co. (See Brecht, Andrew J., assignor.)
A. P. W. Paper Co. (See Fairchild, William, assignor.)
A T Oil Burner Co. (See Hansen, Sinius M., assignor.)
Aaberg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Range control switch. 1,844,493; Feb. 9.
Aaberg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Synchronous control for circuit breakers. 1,848,298; Mar. 8.
Aaberg, Christian, Pittsburgh, and J. B. MacNeil, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. High speed circuit interrupter. 1,872,382; Aug. 16.
Aamodt, Anund O., Alexander, N. Dak. Guard finger. 1,839,520; Jan. 5.
Aarestad, Casper R., Cooperstown, N. Dak. Cow-tail holder. 1,859,010; Nov. 29.
Aaron, Solomon E., Boston, Mass. Bilge pump. 1,856,367; May 3.
Aaronson, Harry B., Camden, N. J., assignor to H. Brinton Company, Philadelphia, Pa. Yarn cutting and clamping device. 1,883,320; Oct. 18.
Aarskog, Alv, and K. Svendsen, Stavanger, Norway, and P. Ebel, Magdeburg, Germany, assignors to the Firm Aktieselskabet Lilleborg Fabriker, Stavanger, Norway. Machine for molding and pressing oil seed cakes or the like. 1,871,575; Aug. 16.
Aasen, Johan E., New York, N. Y. Scarf. 1,842,138; Jan. 19.
Aastrup, Axel V., Belinska Villan, Sweden. Machine for kneading dough, whipping, and similar purposes. 1,867,243; July 12.
Aasved, Luella. (See Kleist, A. A., Aasved, and Aske.)
Abadie, Jean B. J. M., Paris, France. Maintenance of the pressure in vacuum tubes. 1,875,972; Sept. 6.
Abadie, Lucien, et al, trustees. (See Gruss, Francis K., assignor.)
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,846,413; Feb. 23.
Abbe, Edward J., assignor to The Elwell-Parker Electric Co., Cleveland, Ohio. Industrial truck. 1,878,994; Sept. 27.
Abbe, Edward J., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Industrial truck 1,878,995; Sept. 27.
Abbink, Albert, assignor of one-fourth to R. Abbink, one-eighth to J. C. Ruigh, and one-eighth to J. Doeschot, Firth, Nebr. Gate for trap nests. 1,857,341; May 10.
Abbink, Richard, et al. (See Abbink, Albert, assignor.)
Abbot, Charles G. (See Emmet, William L. R., assignor.)
Abbot, Charles G., Washington, D. C. Apparatus for utilizing solar heat. 1,855,815; Apr. 26.
Abboth, Gardner, trustee. (See Mueller, Albert B., assignor.)
Abbott, Adrian O., jr., Grosse Pointe Park, Mich. Valve operating assembly. 1,865,998; July 5.
Abbott, Adrian O., jr., assignor to Morgan and Wright, Detroit, Mich. Tire shaping machine. 1,867,557; July 19.
Abbott, Adrian O., jr., assignor to Morgan and Wright, Detroit, Mich. Manufacturing tire casings. 1,871,438; Aug. 16.
Abbott, Albert L., assignor to Diebold Safe & Lock Company, Canton, Ohio. Safe. 1,873,246; Aug. 23.
Abbott, Albert L., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Heat resisting protective structure. 1,873,223; Aug. 23.
Abbott, Albert L., W. C. Miller, and C. E. Miller, assignors to The Diebold Safe & Lock Company, Canton, Ohio. Disappearing door structures. 1,873,247; Aug. 23.
Abbott, Albert L., and W. C. Miller, assignors to The Diebold Safe & Lock Company, Canton, Ohio. Disappearing door safe and the like. 1,873,522; Aug. 23.
Abbott, Alfred T., Philadelphia, Pa. Acoustic grille cloth. 1,878,570; Sept. 20.
Abbott, Arthur B., Brixton, London, assignor of one-half to Robert Abbott, London, England. Coating composition. 1,866,743; July 12.
Abbott, Carroll B. (See Hammerly, Fred V., assignor.)
Abbott, Charles B., Lowell, Mass. Broom construction and the like. 1,842,058; Jan. 19.
Abbott, Charles C., assignor to Abbott Wilson Machine Company, Auburn, Me. Making trimmed heel seats. 1,856,800; May 3.
Abbott, Charles W., Hartford, Conn., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical conductor. 1,841,348; Jan. 12.
Abbott, Charles W., Rome, assignor to General Cable Corporation, New York, N. Y. Electrical connecter. 1,860,829; May 31.
Abbott, Charles W., Rome, assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical conductor. 1,864,512; June 28.
Abbott Coin Counter Company. (See Gordon, Harry B., assignor.)
Abbott Company, The. (See Wiggin, Daniel W., assignor.)
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Knot tying. 1,868,682; July 26.
Abbott, Franz D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Compression flexometer and testing rubber and the like. 1,843,074; Jan. 26.
Abbott, Franz D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Material abrasion tester. 1,850,056; Mar. 15.
Abbott, Gardner, trustee. (See Glaser, Rudolph A., assignor.)
Abbott, George H., assignor to Woodruff & Edwards Inc., Elgin, Ill. Combined desk and seat. 1,883,322; Oct. 18.
Abbott, George H., assignor to Woodruff & Edwards, Inc., Elgin, Ill. Combined desk and seat. 1,884,497; Oct. 25.
Abbott, John M., Greeley, Colo. Rotary easel. 1,886,929; Nov. 8.

Abbott Laboratories. (See Adams, Roger, assignor.)
Abbott Laboratories. (See Hansen, N. A., and Tabern, assignors.)
Abbott Laboratories. (See Moore, E. E., and Carter, assignors.)
Abbott Laboratories. (See Raiziss, G. W., and Clemence, assignor.)
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Abbott, Reginald S. (See Peter, L. H., and Abbott.)
Abbott, Robert. (See Abbott, Arthur B., assignor.)
Abbott, Royal K., Cranston, assignor to Respro Inc., Providence, R. I. Making artificial leather. 1,844,835; Feb. 9.
Abbott, Scott M., assignor to L. J. Loenneke and H. Bock, Chicago, Ill. Valve. 1,840,340; Oct. 18.
Abbott, Walter H. (See Jelliffe, H. W., and Abbott.)
Abbott, William G., jr., Milford, N. H. Vapor pressure apparatus. 1,843,311; Feb. 2.
Abbott, William G., jr., Milford, N. H. Refrigerating machine. 1,871,645; Aug. 16.
Abbott Wilson Machine Company. (See Abbott, Charles C., assignor.)
Abbotts, Arthur, Fairfield, Conn. Heating radiator. 1,899,665; Dec. 13.
Abbotts Dairies, Inc. (See Policastro, C. M., and Morrison, assignors.)
Ab-der-Halden, Charles, Nancy, assignor to Société pour l'Exploitation des Procedes Ab-der-Halden, Paris, France. Retort with revolving hearth. 1,878,581; Sept. 20.
Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Drilling tie. 1,845,403; Mar. 8.
Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Reamer. 1,848,404; Mar. 8.
Abegg, Walter A., Los Angeles, Calif., assignor of one-half to B. Reinhold. Vise. 1,850,338; Mar. 22.
Abegg, Walter A., Los Angeles, assignor to Wieman Kammerer Wright Co., Incorporated, Hollydale, Calif. Making connections between machine parts. 1,865,808; July 5.
Abegg, Walter A., Los Angeles, assignor to Wieman Kammerer Wright Co., Incorporated. Hollydale, Calif. Making a connection. 1,873,245; Aug. 23.
Abegglen, Jean. (See Frischknecht, E., and Abegglen.)
Abegglen, Jean, Neuchatel, Switzerland. Mechanical movement. 1,852,992; Apr. 5.
Abel, Alf, Rome Park, N. Y. Accelerator pedal control. 1,855,538; Apr. 26.
Abel, Alf J., Richmond Hill, N. Y. Automatically controlling the accelerator pedal of a motor vehicle. 1,864,881; June 28.
Abel, Frank J., Massapequa, assignor to Henry Hyman, Brooklyn, N. Y. Clock case. Des. 87,248; June 28.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,288; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,289; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,290; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,291; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,292; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,293; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,294; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,295; July 5.
Abel, Frank J., Massapequa, assignor to H. Hyman, Brooklyn, N. Y. Clock case. Des. 87,299; July 5.
Abel, Frank J., Massapequa, N. Y. Clock case. Des. 87,950; Oct. 11.
Abel, Frank J., Massapequa, N. Y., assignor to Henry Hyman, Brooklyn, N. Y. Clock case. 88,139; Nov. 1.
Abel, Harry E., assignor to Wye Odorless Incinerator Corporation, Macon, Ga. Furnace door. 1,861,334; May 31.
Abel, Max, Bronx, assignor to Frankart, Inc., New York, N. Y. Statuette or similar article. Des. 86,875; May 3.
Abel, Michael, Columbus, Ohio. Directory system. 1,867,048; July 12.
Abel, Walter T. (See Carley, L. R., and Abel.)
Abele, Theodore J. (See Kuck, H. G., and Abele.)
Abell, Edward J., Plainville, Conn. Coin controlled dispensing machine. 1,853,695; Apr. 12.
Abell, Frank, Inglewood, Calif. Supercharging internal combustion engine. 1,892,124; Dec. 27.
Abell, Rollin, Milton, Mass. Engine starter. 1,874,841; Aug. 30.
Abendroth, Wilhelm, Berlin-Charlottenburg, assignor to Siemens Schuckertwerke, Aktiengesellschaft, Berlin, Siemensstadt, Germany. Vapor generator. 1,853,530; Apr. 12.
Abendroth, Wilhelm, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemenstadt, Germany. High pressure steam plant with multistage power engine. 1,869,361; Aug. 2.
Abendroth, Wilhelm, Berlin-Charlottenburg, and H. Gleichmann, Berlin-Siemensstadt, assignors to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemensstadt, Germany. Generating working steam. 1,886,076; Nov. 1.
Abentrod, Joseph, et al. (See Ceablom, Wendell S., assignor.)
Abercrombie, J. S. (See Brotherton, J. E., and Morris, assignors.)
Abercrombie, J. S. (See King, Walter E., assignor.)
Abercrombie, James S. (See King, Walter E., assignor.)
Abercrombie, James S., et al. (See Martin, J. B., and King, assignors.)
Abercrombie, James S., Houston, Tex. Drilling wells. 1,888,814; Nov. 22.
Aberioyle Manufacturing Company. (See Holt, Joseph P., assignor.)
Aberle, Gustave C., Glenside, Pa. Stocking. Des. 86,296; Feb. 23.
Aberle, Gustave C., Glenside, Pa. Stocking. Des. 86,655; Apr. 5.
Aberle, Gustave C., Glenside, Pa. Stocking top. 1,847,420; Mar. 1.
Aberle, H. C., Company. (See Aberle, Harry C., assignor.)
Aberle, Harry C., Jenkintown, assignor to H. C. Aberle Company, Philadelphia, Pa. Elastic welt for stockings. 1,840,272; May 24.
Aberle, William J., Pasadena, Calif. Sod-cutting tool. 1,866,073; July 5.
Abernon, Nathaniel L., Detroit, Mich. Multiple slab unit. 1,888,417; Nov. 22.
Abilene Cotton Oil Company. (See Richardson, James R., assignor.)
Ablard, Fred. (See Johnston, J., and Ablard.)
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Asbestos-cement shingle. 1,847,707; Mar. 1.
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 1,862,500; June 7.
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 1,871,646; Aug. 16.
Abraham, Leonard G., Madison, and E. M. Staples, Hohokus, N. J., assignors to American Telephone and Telegraph Company. Telephone signaling system. 1,870,396; Aug. 9.
Abraham, Lewis C., Auderghem, Belgium. Artificial sponge and device for manufacturing same. 1,877,155; Sept. 13.
Abraham, Lewis C., Auderghem, Belgium. Apparatus for manufacturing artificial sponges. 1,890,555; Dec. 13.
Abraham, Samuel, New York, N. Y. Combination dental appliance. 1,868,653; July 26.
Abrahams, Alexander J., New York, N. Y. Loud speaker diaphragm. 1,845,210; Feb. 16.
Abrahams, Alexander I., New York, N. Y. Acoustic horn and manufacture thereof. 1,878,690; Sept. 20.
Abrahams, Alexander I., New York, N. Y. Loud speaker unit. 1,888,442; Nov. 22.
Abrahams, David J. (See Gillespie, Howard E., assignor.)
Abrahamsen, Alfred W., Queens Village, N. Y. Reversible door scraper. 1,854,286; Apr. 19.
Abrahamson, Oscar E. J., Buffalo, N. Y. Obtaining colloidal clays from ordinary surface clays. 1,865,496; July 5.
Abrahamson, Oscar E. J., Buffalo, assignor to American Radiator Company, New York, N. Y. Testing device. 1,874,842; Aug. 30.
Abram, John D., Detroit, Mich. Tamping machine. 1,852,681; Oct. 18.
Abram, John D., Detroit, Mich. Molding machine. 1,882,682; Oct. 18.
Abrams, Allen, Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Die forming articles from sulphurized paper board. 1,882,683; Oct. 18.
Abrams, Allen, Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Machine for treating paper board and process. 1,885,167; Nov. 1.
Abrams, Frank W., Elizabeth, N. J., assignor to Standard Oil Development Company. Making soap-oil compositions. 1,860,798; May 31.
Abrams, Irving and I. Sager, Brooklyn, N. Y. Combination slide and lock for window screen. 1,853,531; Apr. 12.
Abrams, Kathryn, Philadelphia, Pa. Lady's cigarette holder. 1,845,387; Feb. 16.
Abrams, Talbert, Lansing, Mich. Air view contour finder. 1,840,878; Jan. 12.
Abrams, Victor R., Brunswick, Ga. Device for measuring, recording, and metering supply or distribution of fluids. 1,870,188; Aug. 2.
Abramson, Alexander, Prague, Czechoslovakia. Valve. 1,879,749; Sept. 27.
Abramson, John H., assignor to Greenlee Bros. & Co., Rockford, Ill. Portable mortising device. 1,861,289; May 31.
Abramson, Nathan, Brooklyn, N. Y. Electric flasher. 1,851,144; Mar. 29.
Abramson, Nathan, Brooklyn, assignor to Presto Products Co., New York, N. Y. Circuit interrupter. 1,862,648; June 14.
Abranathy, Anthony, assignor of one-half to A. Grigal, Philadelphia, Pa. Strop. 1,866,384; July 5.
Abronski, Alexander F., Philadelphia, Pa. Skylight construction. 1,872,868; Aug. 23.
Abronski, John V., Pitman, N. J. Mother and child identification device. 1,854,092; Apr. 12.
Absmeier, Carl, Maywood, assignor to United States Gypsum Company, Chicago, Ill. Board transfer device. 1,871,822; Aug. 16.

Abt, Louis, assignor to W. Paddor, Chicago, Ill. Skylight construction. 1,870,549; Aug. 9.
Acco Products, Inc. (See Kline, Fred J., assignor.)
Accounting Equipment Corporation. (See Rainey, Clifton K., assignor.)
Accounting & Tabulating Corporation, The. (See Thomas, Arthur, assignor.)
Accounting & Tabulating Corporation of Gt. Britain Limited, The. (See Brougham, Leslie E., assignor.)
Accounting & Tabulating Corporation of Gt. Britain Limited, The. (See English, Francis G. S., assignor.)
Accounting & Tabulating Corporation of Gt. Britain Limited, The. (See Thomas, Arthur, assignor.)
Accounting & Tabulating Corporation of Great Britain Limited, The. (See Thomas, A., and Craig, assignors.)
Accounting & Tabulating Corporation of Gt. Britain Limited, The. (See Thomas, A., and Fitz Power, assignors.)
Accounting & Tabulating Corporation of Great Britain Limited, The. (See Thomas, A., and Power, assignors.)
Aceta G. m. b. H. (See Friederich, A., and Schlack.)
Acetol Products, Inc. (See Havet, Erich, assignor.)
Acetol Products, Inc. (See Schmerli, Adolph, assignor.)
Achard, Jean, assignor to Societe Anonyme des Anciens Etablissements Achard & Cie., Paris, France. Machine for shearing metal and other sheets. 1,842,229; Jan. 19.
Achard, Joseph P. E., assignor to Societe Francaise Radio Electrique, Paris, France. Oscillation generator. 1,882,684; Oct. 11.
Acheson, Arthur M., Dobbs Ferry, assignor to Durium Products Corporation, New York, N. Y. Pin holder for phonograph records. 1,846,378; Feb. 23.
Acheson, Arthur M., Dobbs Ferry, and G. Ramsey, Brooklyn, assignors to Durium Products Corporation, New York, N. Y. Phonograph record. 1,881,110; Oct. 4.
Acheson, Marcus A., Schenectady, N. Y., assignor to General Electric Company. Electron discharge system. 1,837,128; May 19.
Achor, Horace H., Oakland, Calif. Game board or bowl. 1,850,045; Mar. 15.
Achterberg, Friedrich. (See Finkelstein, H., and Achterberg.)
Achtziger, Christoph, assignor to the Firm Porzellanfabrik Weiden Gebr. Bauscher, Weiden, Germany. Dripless spout for pouring vessels of ceramic material. 1,878,996; Sept. 27.
Achurch, William, assignor to Gorham Manufacturing Company, Providence, R. I. Paten. Des. 87,737; Sept. 13.
Achurch, William H., assignor to Gorham Manufacturing Company, Providence, R. I. Cliborium. Des. 87,899; Oct. 11.
Achurch, William H., assignor to Gorham Manufacturing Company, Providence, R. I. Chalice. Des. 87,900; Oct. 11.
Acierno, Rocco, Newark, N. J. Windshield wiper. 1,865,158; June 28.
Ackerly, Donald G. (See Alexander, V. S., and Ackerly.)
Ackerly, Donald G., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for rectifying alternating currents. 1,845,573; Feb. 16.
Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, Edward L., assignor.)
Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, E. L., and Zwierzina, assignors.)
Ackerman, Edward L., assignor to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Center lift window regulator. 1,858,070; May 10.
Ackerman, Edward L., and A. J. Zwierzina, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Clutch device. 1,849,902; Mar. 15.
Ackerman, Edward L., and A. J. Zwierzina, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Clutch mechanism. 1,867,643; July 19.
Ackerman, Edward L., and A. J. Zwierzina, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Clutch mechanism. 1,874,215; Aug. 30.
Ackerman, Frank, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Lubricating system for piston machines. 1,869,362; Aug. 2.
Ackerman, Frank, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Automobile lift. 1,878,361; Sept. 20.
Ackerman, Frank, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Air compressor. 1,886,359; Nov. 8.
Ackerman, J. Otto, assignor to The Astrup Company, Cleveland, Ohio. Tensioned awning arm. 1,886,512; Nov. 8.
Ackerman, Jay, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Combined tray and receptacles for smokers. Des. 88,493; Dec. 6.
Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Seal ring. 1,848,595; Mar. 8.
Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Seal ring. 1,851,075; Mar. 29.
Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Seal ring. 1,851,076; Mar. 29.
Ackerman, Michael H., Mansfield, assignor of one-half to Louis C. Sickel, Caledonia, Ohio. Automatic regulator. 1,877,780; Sept. 20.
Ackerman, Paul C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,840,552; Jan. 12.
Ackerman, William, Towners, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,891,075; Dec. 13.
Ackermann, Hugo, Bonn-on-the-Rhine, Germany. Producing refractory, acid-proof and other ceramically bonded products. 1,856,613; May 3.
Ackermann, Karl, Bochum, Germany. Apparatus for manufacturing compound castings. 1,843,702; Feb. 2.
Ackley, Charles S., Brooklyn, assignor to Ackley Holding Corporation, New York, N. Y. Apparatus for placing waves in hair. 1,848,093; Mar. 8.
Ackley, Charles S., Brooklyn, N. Y., assignor to Ackley Holding Corporation, New York, N. Y. Apparatus for placing waves in hair. 1,848,094; Mar. 8.
Ackley Holding Corporation. (See Ackley, Charles S., assignor.)
Ackron, Albert, Nashville, Tenn. Water heater. 1,868,186; July 19.
Ackroyd, James, and Sons. (See Kellogg, Alfred A., assignor.)
Acly, Harry M., Pittsfield, Mass., assignor to General Electric Company. Support for transformers and associated protective apparatus. 1,867,394; July 12.
Acme Axminster Loom Spool Company. (See Vickerman, Robert E., assignor.)
Acme Card System Company. (See Powell, Frank D., assignor.)
Acme Fishing Tool Company. (See Nutter, Orda D., assignor.)
Acme Foundry and Machine Company. (See Copeland, Clint M., assignor.)
Acme Industrial Co. (See Gibson, William C., and Gabriel, assignors.)
Acme Knitting Machine & Needle Company. (See Stewart, Albert E., assignor.)
Acme Motion Picture Projector Company. (See Moulton, Forest R., assignor.)
Acme Rayon Corporation. (See Huttinger, Charles A., assignor.)
Acme Road Machinery Company. (See Cook, David B., assignor.)
Acme Road Machinery Company. (See Schaupp, Harry A., assignor.)
Acme Steel Company. (See Birch, A. L., and Ott, assignors.)
Acme Steel Company. (See Fork, William C., assignor.)
Acme Steel Company. (See Ketcham, Ernest J., assignor.)
Acme Steel Company. (See MacChesney, Chester M., assignor.)
Acme Steel Company. (See MacChesney, C. M., and Norton, assignors.)
Acme Steel Company. (See MacChesney, C. M., Norton, and Ott, assignors.)
Acme Steel Company. (See MacChesney, C. M., and Wilson, assignors.)
Acme Steel Company. (See Norton, Ralph H., assignor.)
Acme Steel Company. (See Norton, R. H., and Fork, assignors.)
Acme Steel Company. (See Ott, John E., assignor.)
Acme Steel Company. (See Ott, J. E., and Close, assignors.)
Acme Steel Company. (See Wilson, Allen B., assignor.)
Acoustical Correction Corporation. (See Brockmeyer, Richard C., assignor.)
Actiengesellschaft C. P. Goerz Optische Anstalt, Actiova Spolecnost K. P. Goerz, Opticky Ustav. (See Grunberg, Otto, assignor.)
Actiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Pechan, I., and Schier, assignors.)
Actiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Raaber, H., Petschenig, Pechan, and Elchwalder, assignors.)
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Esslen, Heinrich O., assignor.)
Acton, John P., El Paso, Tex. Garment hanger. 1,885,503; Nov. 1.
Acuff, jr., William S., assignor to Ambler Asbestos Shingle and Sheathing Company, Ambler, Pa. Holder for plant soil. 1,876,571; Sept. 13.
Adair, Anthony G. (See McWhirter, M. H., and Adair.)
Adair, Sidney T., assignor to The Silica Gel Corporation, Baltimore, Md. Preparing solid adsorbents. 1,867,435; July 12.
Adair, Thomas W., assignor of one-half to J. P. Arnold, Houston, Tex. Pipe holder. 1,849,216; Mar. 15.
Adaire, William R., Fox Chase, assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 87,039; Aug. 16.
Adam, Frank, Electric Co. (See Stieglitz, Henry M., assignor.)
Adam, Frederick B., St. Louis, Mo. Pancleboard mounting means. 1,847,458; Mar. 1.
Adam, Frederick B., St. Louis, Mo. Dimmer control apparatus. 1,876,824; Sept. 13.
Adam, Walter, Berlin-Oberschenweide, Germany, assignor to General Electric Company. Electrical switch gear. 1,866,236; July 5.
Adam, William F., Summit, N. J., assignor to American Bleached Goods Company, Inc., New York, N. Y. Flock printed voile fabric. Des. 85,903; Jan. 5.

Adamcikas, Mykas, also known as Michael Adamtchik, and G. Massera, Aldwych, London, England. Ventilating device. 1,889,117; Nov. 29.
Adamcikas, Mykas, and Giuseppe Massera, Aldwych, London, England. Ventilation of dynamo electric machines. 1,848,511; Mar. 8.
Adamcikas, Mykas, and G. Massera, Aldwych, London, England. Pattern. 1,852,949; Apr. 5.
Adamiecki, Karol, Warsaw, Poland. Device for making orthogonal diagrams. 1,860,763; May 31.
Adamis, Athas. (See Curas, James.)
Adams, Albert G., Los Angeles, Calif., assignor of one-half to E. B. Lincoln, Blandford, Mass. Razor stropper. 1,853,108; Apr. 12.
Adams, Alexander S., Houston, assignor of one-fifth to W. Carson, one-fifth to E. C. McCall, one-fifth to J. P. Miller, and one-fifth to L. T. Messer, Harris County, Tex. Sewage disposal plant. 1,851,030; Mar. 29.
Adams, Arthur A., and R. G. Morse, Brookline, Mass., assignor to Railway Safety Switch Lock Company, Seattle, Wash. Locking mechanism for switch stands. 1,852,390; Apr. 5.
Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Conveyer belt centering mechanism. 1,846,665; Feb. 23.
Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Ironing roll and pad. 1,885,211; Nov. 1.
Adams, Arthur H., Yonkers, assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Extractor. 1,847,159; Mar. 1.
Adams, Arthur H., Yonkers, assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Spring pad. 1,863,738; June 21.
Adams, Arthur H., Yonkers, assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Convoluted spring. 1,867,723; July 19.
Adams, Charles H., Greensburg, La. Plant mulch. 1,841,591; Jan. 19.
Adams, Charles A., assignor to Mathews Conveyor Company, Ellwood City, Pa. Bearing adapters. 1,876,534; Sept. 13.
Adams, Chester E., Hammond, assignor to Standard Oil Company, Whiting, Ind. Color stabilization of lubricating oils. 1,858,232; Nov. 15.
Adams, Clark M., assignor to Nagel Electric Company, Toledo, Ohio. Electric gauge. 1,876,483; Sept. 6.
Adams, Claude E., Seabrook, N. H. Sole for turned shoes. 1,881,339; Oct. 4.
Adams, Clement L., Gas City, Mich. Feed distributor for scutching naals. 1,881,177; Oct. 4.
Adams Company, The. (See Meyer, John B., assignor.)
Adams, Daniel, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,848,097; Mar. 8.
Adams, Daniel, Ann Arbor, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,873,248; Aug. 23.
Adams, Daniel G. (See Muhlhauser, J., and Adams.)
Adams, David G., assignor to Adams Grease Gun Corporation, New York, N. Y. Lubricating means. 1,871,389; Aug. 9.
Adams, Daniel G., assignor to Adams Grease Gun Corporation, New York, N. Y. High pressure coupler. 1,873,914; Aug. 23.
Adams, Daniel G., New York, and A. C. Hansmann, Winfield, assignors to Adams Grease Gun Corporation, New York, N. Y. Dispensing device. 1,871,291; Aug. 9.
Adams, David G., Spartanburg, S. C. Sewer pipe tap. 1,883,439; Oct. 18.
Adams, Dennis T., Chicago, Ill. Automobile license holder. 1,837,210; Nov. 17.
Adams, Edward M., Lexington, Ky., and W. C. Gangloff, and G. G. Spencer, assignors to The Drackett Chemical Company, Cincinnati, Ohio. Cleaning oil wells. 1,870,320; Aug. 9.
Adams, Edward T., Phoenix, Ariz., assignor to Fairbanks, Morse & Co., Chicago, Ill. Injection pump. 1,862,132; June 7.
Adams, Elmer W., assignor to Standard Oil Company, Whiting, Ind. Drawing lubricants. 1,871,939; Aug. 16.
Adams, Elmer W., Hammond, assignor to Standard Oil Company, Whiting, Ind. Emulsion. 1,871,940; Aug. 16.
Adams, Eri F., Fort Lauderdale, Fla. Article dispensing device. 1,887,389; Nov. 8.
Adams, Ernest, assignor to M. Helland, Tacoma, Wash. Cup cake dropping machine. 1,866,589; July 12.
Adams, Ernest H., Long Beach, Calif., assignor to Trumble Gas Trap Company. Gas trap. 1,887,111; Nov. 8.
Adams, Ervin, assignor to H. W. Brecker, Mount Carmel, Pa. Fusible attachment plug. 1,876,823; Sept. 13.
Adams, Francis E., Oneida, assignor to Triumph Trap Company, Inc., New York, N. Y. Game trap. 1,862,561; June 14.
Adams, Francis E., and C. E. Chesebro, assignors to Triumph Trap Company, Inc., Oneida, N. Y. Producing trap jaws. 1,884,956; Oct. 25.
Adams, Frank E., Blooming Prairie, Minn. Attachment for automobiles. 1,866,444; July 5.
Adams, Frank H., Cleveland Heights, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Hobbing machine. 1,878,656; Sept. 20.
Adams, Frank J., Brighton, Victoria, Australia. Mounting the steered wheels of road vehicles. 1,890,766; Dec. 13.
Adams, George, et al. (See Pinckard, William P., assignor.)
Adams, George, Maplecrest, N. Y. Ear cleaner. 1,887,003; Nov. 8.
Adams, George, Taftville, Conn., assignor to The Stafford Company, Boston, Mass. Warp stop motion for looms. 1,840,802; Jan. 12.
Adams Grease Gun Corporation. (See Adams, Daniel G., assignor.)
Adams Grease Gun Corporation. (See Adams, D. G., and Hansmann, assignors.)
Adams Grease Gun Corporation. (See Muhlhauser, J., and Adams, assignors.)
Adams, H. H. (See Hogan, F. W., and Bulbrook, assignors.)
Adams, Hale D., Galesburg, Ill. Automobile accelerator pedal. 1,883,437; Oct. 18.
Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Control mechanism for sewage ejectors. 1,842,641; Jan. 26.
Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Reversible hydroturbine pump. 1,847,548; Mar. 1.
Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Hydroturbine pump with tapered port members. 1,847,586; Mar. 1.
Adams, Harry L., Elvins, Mo. Alarm clock controlled switch. 1,844,736; Feb. 9.
Adams, Henry T., Chicago, Ill. Magazine holder. 1,873,524; Aug. 23.
Adams, Henry W., Cincinnati, Ohio. Voice transmitter. 1,867,200; July 12.
Adams, Herbert L., Somerville, Mass. Flying machine. 1,888,418; Nov. 22.
Adams, Horace P., St. Paul, Minn. Portable floodlight. 1,847,324; Mar. 1.
Adams, Hugh F. (See McGiffert, S. Y., and Adams.)
Adams Industries, Inc. (See Jacques, Raynaldo P., assignor.)
Adams, Ira J. (See Barker, Charles D., assignor.)
Adams, J. D., Manufacturing Company. (See Iverson, Emil C., assignor.)
Adams, James A., Deming, N. Mex. Reagent feeder. 1,867,961; July 19.
Adams, James C., Willshire, Ohio. Extension ladder support. 1,860,005; May 24.
Adams, James L., jr., assignor of nine-tenths to Graver Corporation, East Chicago, Ind. Method and apparatus for forming hollow metallic structures. 1,866,609; July 12.
Adams, James R., Atlanta, Ga. Seaffold support. 1,878,802; Sept. 20.
Adams, John D., Brunswick, N. Y. Coupon cutter. 1,849,166; Mar. 15.
Adams, John F. (See Allen, T. T., and Adams.)
Adams, John F. (See Cohen, J. E., and Adams.)
Adams, John F., assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Focusing device for motion picture projectors. 1,847,856; Mar. 1.
Adams, Judson J., Zanesville, Ohio. Tent. 1,846,011; Feb. 23.
Adams, Leland J., Beverly Hills, Calif. Automatic automobile brake. 1,849,966; Feb. 9.
Adams, Lester V., Schenectady, N. Y., assignor to General Electric Company. Resin composition and method of preparation. 1,849,817; Mar. 15.
Adams, Lytle S., Washington, D. C. System of railway mail collection. 1,885,212; Nov. 1.
Adams, Lytle S., Seattle, Wash., assignor to Aeroplane Hangar and Equipment Company, Buffalo, N. Y. Airplane stowing apparatus. 1,847,549; Mar. 1.
Adams, Lytle S., Seattle, Wash., assignor to Airways Patent Corporation. Grapple for airplane package transfer apparatus. 1,858,127; May 10.
Adams, Mac B., Hobart, Okla. Skylight lifter. 1,890,767; Dec. 13.
Adams Mfg. Co., The. (See Rose, Harry F., assignor.)
Adams, Mathias J., Turkey River, Iowa. Vehicle. 1,883,993; Aug. 2.
Adams, Mathias J., Turkey River, Iowa. Vehicle wheel. 1,882,685; Oct. 18.
Adams, Maude R. F. Howe, New York, N. Y., and P. G. Nutting, Washington, D. C. Illuminating device. 1,884,957; Oct. 25.
Adams, Norman W., assignor of forty one-hundredths to H. P. Marsh, Syracuse, N. Y. Direction indicator. 1,863,459; June 14.
Adams, Oscar C., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shank piece for Shoes. 1,853,027; Apr. 12.
Adams, Raymond F. (See Greenstreet, Charles J., assignor.)
Adams, Rex, New York, N. Y. Scoring disk for ring and horse shoe game. Des. 86,590; Mar. 29.

Adams, Roger, Urbana, assignor to Abbott Laboratories, North Chicago, Ill. Bactericide applicable to acid-fast bacteria. 1,873,732; Aug. 23.
Adams, Royal C. (See McGraw, W., and Adams.)
Adams, Royal C., San Gabriel, assignor to Trumble Gas Trap Co., Los Angeles, Calif. Switch valve. 1,854,918; Apr. 19.
Adams, S. G., Company. (See Bryan, F. D., and Blauner, assignors.)
Adams, Soren S., Allenhurst, N. J. Joke buzzer. 1,845,735; Feb. 16.
Adams, Soren S., Asbury Park, N. J. Aerial toy. 1,858,535; May 17.
Adams, Stephen S., St. Louis, Mo. Fastening device. 1,861,652; June 7.
Adams, Thomas R., South Williamsport, Pa. Safe casing. 1,853,042; Apr. 12.
Adams, Walter A., Rochester, N. Y. Fastening boards or pieces to supports. 1,854,241; Apr. 19.
Adams, Walter A., Rochester, N. Y. Bench or table. 1,855,273; Apr. 26.
Adams, Walter L. (See Pflueger, C. T., and Adams.)
Adams, Walter L., assignor of The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,856,047; Apr. 26.
Adams, William A., Brooklyn, N. Y. Display device. 1,878,750; Sept. 20.
Adams, William E., Cleveland, assignor to Diebold Safe & Lock Company, Canton, Ohio. Safety depository. 1,870,690; Sept. 13.
Adams, William H., Kenyon, R. I. Seat pad or cushion. 1,870,275; Aug. 2.
Adams, William H., Kenyon, R. I. Strand for making braided rugs and the like and the method of making. 1,883,438; Oct. 18.
Adams, William O., Norwalk, Conn. Building construction. 1,892,498; Dec. 27.
Adams, William H., assignor to Eastern Finishing Works, Kenyon, R. I. Wildewproof fabric and making the same. 1,890,717; Dec. 13.
Adams, William R., Pawnee, Okla. Current control dumping device. 1,861,414; Mar. 29.
Adamson, Allan A., Rochester, N. Y., assignor, by mesne assignments, to Autokraft Box Corporation, Lima, Ohio. Wrapping and lining means for boxes. 1,860,830; May 31.
Adamson, Allan A., Rochester, N. Y., assignor, by mesne assignments, to Autokraft Box Corporation, Lima, Ohio. Manufacture of cigar boxes and the like. 1,865,159; June 28.
Adamson, Ernie, Rockville Center, N. Y. Internal combustion engine. 1,857,077; May 3.
Adamson, William A., and A. J. Wuertz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of dibenzoyl - alpha-alpha - dianthrimides. 1,884,498; Oct. 25.
Adamtchik, Michael. (See Adamcikas, M., and Massera.)
Adartcraft, Inc. (See Sanders, Rudolph M., assignor.)
Adartcraft, Incorporated. (See Shaw, Louis E., assignor.)
Adatte, Albert L., North Plainfield, N. J., assignor to Pathe Exchange, Inc., New York, N. Y. Double film winding reel. 1,877,440; Sept. 13.
Adatte, Albert L., North Plainfield, assignor to Pathe Exchange, Inc., Roundfork, N. J. Light control for photographic printing machines. 1,889,306; Nov. 29.
Adco Limited. (See Richards, E. H., and Hutchinson, assignors.)
Adcock, Marvin E., Coalinga, Calif. Metallic stretcher. 1,857,008; May 3.
Addicks, Albert, Schwarden, near Brake, Germany. Safety device for vehicles, particularly power driven vehicles. 1,839,454; Jan. 5.
Addington, W. B. (See Ferguson, James R., assignor.)
Addison Investment Company. (See Alverson, James G., assignor.)
Addison, Thomas. (See Rambo, H. L., Addison, and Langen.)
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,889,721; Jan. 5.
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,843,636; Feb. 2.
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel bundling machine. 1,880,227; Oct. 4.
Addressograph Company. (See Fassmann, Bruno, assignor.)
Addressograph Company. (See Hartley, Emmett C., assignor.)
Addressograph Company. (See Hubbard, Henry E., assignor.)
Addressograph Company. (See Lascelles, W. J., Peterson, Scott, and Wilson, assignors.)
Addressograph Company. (See McCain, Cecil C., assignor.)
Addressograph Company. (See Paschall, Jaques C., assignor.)
Addressograph Company. (See Thompson, Herbert L., assignor.)
Addressograph Company. (See Thompson, H. L., and Wilderson, assignors.)
Adedrick Co. (See Johnson, John E., assignor.)
Addnel, Joseph J., Boston, Mass. Direction indicating apparatus for motor vehicles. 1,856,614; May 3.

Ade, Richard A. (See Fiore, A., and Ade.)
Adel, Emil, Chicago, Ill. Lubricating system. 1,856,063; May 3.
Adelantado, Luis, Barcelona, Spain. Manufacture of phosphates and phosphoric acid. 1,878,997; Sept. 27.
Adell, John A., Orange, Mass. Junction box. 1,861,074; May 31.
Adell, John A., Orange, Mass. Jack. 1,889,941; Dec. 6.
Adelson, Samuel L. (See Green, W. H., and Adelson.)
Adelson, Samuel L., assignor to General Zeolite Company, Chicago, Ill. Flow control. 1,866,284; July 5.
Adelson, Samuel L., assignor to General Zeolite Company, Chicago, Ill. Filtration plant control. 1,870,321; Aug. 9.
Adirondack Steel Foundries Corporation. (See Sherman, Clifton W., assignor.)
Adjusta Company. (See Hirsh, Fred, assignor.)
Adjustable Joist Company. (See Stambaugh, R. W., and Browne, assignors.)
Adjusto Equipment Company. (See Buchet, Conrad R., assignor.)
Adkerson, William B. (See Stone, D., sr., and Adkerson.)
Adlake Company, The. (See Ehret, Yale W., assignor.)
Adlake Company, The. (See Hamm, William S., assignor.)
Adlake Company, The. (See Hendrickson, Hugh H., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Adlake Company, The. (See Schuetz, Frank A., assignor.)
Adlake Company, The. (See Sevison, Harry D., assignor.)
Adlake Company, The. (See Whitmore, Edward E., assignor.)
Adler, Charles, jr., Baltimore, Md. Traffic signal. Des. 87,501; Aug. 9.
Adler, Charles, jr., Baltimore, Md. Electric signal lamp. 1,889,725; Nov. 29.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Air cooling attachment for electric fans. 1,874,433; Aug. 30.
Adler, Heinz. (See Ott, L., and Adler.)
Adler, Herman, Berkeley, Calif. Combined shelf and robe rail. 1,888,253; Nov. 22.
Adler, Jacob, Hackensack, N. J., assignor of one-half to William Adler, New Haven, Conn. Construction material. 1,867,385; July 12.
Adler, John B. (See O'Connor, J. B., and Adler.)
Adler, Oscar, and R. Adler, Karlsbad, Czechoslovakia. Purification of water. 1,869,643; Aug. 2.
Adler, Robert, St. Paul, Minn. Antiwashout device for roadways. 1,843,748; Feb. 2.
Adler, Robert, St. Paul, Minn. Expansion joint for roadways. 1,868,180; June 14.
Adler, Rudolf. (See Adler, Oscar and R.)
Adler Safety Control Company, The. (See Adler, Charles, jr., assignor.)
Adler, Sam A., Northampton, Mass. Rider ticket. 1,874,844; Aug. 30.
Adler, William. (See Adler, Jacob, assignor.)
Adolph, Walter J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bushing extractor. 1,875,250; Aug. 23.
Adometer Corporation of America. (See Kauffman, Albert J., assignor.)
Adrian & Busch. (See Sünder, Jakob, assignor.)
Adrianson, Alfred L., Racine, Wis. Material treating apparatus. 1,877,378; Sept. 13.
Adsit, Frank W., and J. F. Thome, St. Paul, Minn., assignors to Rotary Carton Machine Company, Color printing and cutting press. 1,855,212; Apr. 26.
Adt, Albert W., et al. (See Zeun, Louis H., assignor.)
Adt, John B., et al. (See Zeun, Louis H., assignor.)
Adt, John B., Company. (See Zeun, Louis H., assignor.)
Advance Foundry Company, The. (See Kramer, Wilbur A., assignor.)
Advance Machine Company. (See Antoine, A. D., and Gebert, assignors.)
Advance Machine Company. (See Pond, H. J., and Thielen, assignors.)
Advance Machine Company. (See Richardson, Myron H., assignor.)
Advance Machine Company. (See Richardson, M. H., and Gegert, assignors.)
Advance Pattern & Foundry Company. (See Burlin, Leslie H., assignor.)
Aemisegger, Jean, Bergenfield, N. J. Textile fabric. Des. 87,991; Oct. 18.
Aemisegger, Jean, Bergenfield, N. J. Textile fabric. Des. 87,992; Oct. 18.
Aemisegger, Jean, Bergenfield, N. J. Textile fabric. Des. 87,993; Oct. 18.
Aemisegger, Jean, Bergenfield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 87,951; Oct. 18.
Aeolian Company, The. (See Scherr, Emilius W., jr., assignor.)
Aeppli, Albert, Zurich, Switzerland, assignor to H. S. Otto and H. Escher, New York, N. Y. Helical gear grinder. 1,870,764; Aug. 9.
Aero Pickup Service Corp. (See Bushmeyer, H. G., and Card, assignor.)
Aero Service Corporation. (See Smith, John W., assignor.)
Aero Syndicate Limited. (See Bramson, Mogens L., assignor.)

Aerocar Corporation, The. (See Curtiss, Glenn H., assignor.)
Aerocrete Corporation of America, The. (See Larkins, Carl J., assignor.)
Aerocrete Corporation of America, The. (See Sahlberg, Rolf K. O., assignor.)
Aerol Engine Corporation. (See Hehr, Frederick G., assignor.)
Aeromarine Plane & Motor Company. (See Boland, Joseph J., assignor.)
Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)
Aeromarine Plane & Motor Company. (See De Pew, Chester C., assignor.)
Aeromotive Valve Control. (See Smith Harvey E., assignor.)
Aeroplane Hangar and Equipment Corporation. (See Adams, Lytle S., assignor.)
Aerovox Wireless Corporation. (See Cole, Samuel I., assignor.)
Aeschbach, Friedrich, Aarau, Switzerland. Kneading and mixing machine, particularly for producing confectionery. 1,859,690; May 24.
Aeschbach, Walter E., and C. Wick, St. Louis, Mo. Decapping tool. 1,841,070; Jan. 12.
Aeschlimann, John A., Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Product for destroying animals. 1,858,177; May 10.
Aetna Rubber Company. (See Fulton, Alfred C., assignor.)
Aetna-Standard Engineering Company, The. (See Melin, Hans, assignor.)
Aetna-Standard Engineering Company, The. (See Taylor, Clarence A., assignor.)
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Frequency control. 1,847,160; Mar. 1.
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Concentric conducting system. 1,866,611; July 12.
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Concentric conducting system. 1,885,168; Nov. 1.
Affel, Herman A., Ridgewood, and E. I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company. Coaxial conductor system. 1,856,204; May 3.
Affleck, Gregor S., and A. S. Anderson, Detroit, Mich. Cleaning spray booths. 1,862,392; June 7.
Afgaue, Manuel, Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Stabilizing spring suspension system. 1,890,892; Dec. 13.
African Tin Recovery Company, The. (See Hinchley, John W., assignor.)
African Tin Recovery Company Limited, The. (See Gilbert, Mason G., assignor.)
Aftergut, Max, Berlin-Schoneberg, Germany. Automatic glass-blowing machine. 1,875,202; Aug. 30.
Agasote Millboard Company, The. (See Harvey, Harold C., assignor.)
Agasote Millboard Company, The. (See Harvey, H. C., and Becher, assignors.)
Agasote Millboard Company, The. (See Landt, G., and Becher, assignors.)
Agee, Charley D., Dallas, Tex., assignor to The Agee Corporation, Wilmington, Del. Slat adjusting device for louver or Venetian blinds. 1,845,574; Feb. 16.
Agee Corporation, The. (See Agee, Charley D., assignor.)
Agee, George M., Owensboro, Ky. Attachment for fluid meters. 1,869,037; July 26.
Agee, George M., assignor to Anglo-American Mill Company, Owensboro, Ky. Preparing animal feed. 1,847,076; Mar. 1.
Agfa Ansco Corporation. (See Baker, Thomas T., assignor.)
Agfa Ansco Corporation. (See Bincer, H., and Wendt, assignors.)
Agfa Ansco Corporation. (See Bornmann, Carl, assignor.)
Agfa Ansco Corporation. (See Bornmann, Carl A., assignor.)
Agfa Ansco Corporation. (See Brunken, Johannes, assignor.)
Agfa Ansco Corporation. (See Dürr, H., and Schneider, assignors.)
Agfa Ansco Corporation. (See Gantnier, Frank J., assignor.)
Agfa Ansco Corporation. (See Gehrke, Friedrich W., assignor.)
Agfa Ansco Corporation. (See Goldbammer, Leo, assignor.)
Agfa Ansco Corporation. (See Goldhammer, L., and Röhrl, assignors.)
Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)
Agfa Ansco Corporation. (See Kaminski, Stefan, assignor.)
Agfa Ansco Corporation. (See Klaus, Rudolf, assignor.)
Agfa Ansco Corporation. (See Lamb, Thomas E., assignor.)
Agfa Ansco Corporation. (See Lessler, Lew W., assignor.)
Agfa Ansco Corporation. (See Lowkrantz, G., and Lessler, assignors.)
Agfa Ansco Corporation. (See Opfermann, E., and Fischer, assignors.)
Agfa Ansco Corporation. (See Reddelien, G., and Müller, assignors.)
Agfa Ansco Corporation. (See Ruhnau, Richard, assignor.)
Agfa Ansco Corporation. (See Schmidt, M., and Hanke, assignors.)
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Agfa Ansco Corporation. (See Seifert, Max, assignor.)
Agfa Ansco Corporation. (See Tarbin, William T., assignor.)
Agfa Ansco Corporation. (See Wendt, B., and Bincer, assignors.)
Agfa Ansco Corporation. (See Wendt, B., and Frohlich, assignors.)
Agnew, George B. (See de Simone, Michele G., assignor.)
Agnew, Will J., Walker, Iowa. Battery terminal connecter. 1,861,290; May 31.
Agnew, William W., Parkers Landing, Pa., assignor of sixty per cent to J. B. Davis, Dallis, Tex. Method of and apparatus for treating oil wells. 1,839,632; Jan. 5.
Agnini, Oreste J. (See Singer, R., and Agnini.)
Agopian, Levon A., Paris, France. Obtaining concentrated vitamine preparations. 1,861,677; June 7.
Agricola, Herman A., Atlanta, Ga. Gauge bar. 1,878,571; Sept. 20.
Agte, Kurt, Berlin-Lichterfelde-Ost, Germany, assignor to General Electric Company. Electric lamp and the illuminating body used therein. 1,854,970; Apr. 19.
A'Hearn, Frank M., and E. F. Richardson, Greenville, Pa. Driving box. 1,865,292; June 28.
Ahern, Edmund L., Battle Creek, Mich. Pipe threading machine. 1,881,111; Oct. 4.
Ahern, Harry H., Newport News, Va. Heel and arch support. 1,858,178; May 10.
Ahern, William A., Worcester, Mass. Water heater. 1,861,519; June 7.
Ahern, William A., Worcester, Mass. Automatic control of water heaters. 1,865,225; June 28.
Ahlburg, Frank, assignor to Electric Fruit Marking Co., Los Angeles, Calif. Fruit marker. 1,889,967; Dec. 6.
Ahlers, Robert H., assignor to Delco Products Corporation, Dayton, Ohio. Connecting link for shock absorbers. 1,873,172; Aug. 23.
Ahlfeld, Max J., Shelby, Ind. Rake cleaner. 1,882,686; Oct. 18.
Ahlm, Charles E. F., East Cleveland, assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,850,089; Mar. 22.
Ahlm, Charles E. F., East Cleveland, assignor, by mesne assignments, to Automotive Research Corporation, Warren, Ohio. Transmission gearing. 1,880,064; Sept. 27.
Ahlm, Charles E. F., East Cleveland, assignor, by mesne assignments, to Automotive Research Corporation, Warren, Ohio. Transmission gearing. 1,880,228; Oct. 4.
Ahlm, Charles E. F., Cleveland Heights, assignor to The Automotive Research Corporation, Warren, Ohio. Transmission mechanism. 1,884,641; Oct. 25.
Ahlm, Charles E. F., Cleveland Heights, and G. L. Elmslie, assignors to Continuous Torque Transmission Company, Cleveland, Ohio. Motor vehicle mechanism. 1,891,399; Dec. 20.
Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Manufacture of depolarizers for galvanic cells. 1,840,296; Jan. 12.
Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Attempering finely divided solid material. 1,868,512; July 26.
Ahlquist, Walter J. (See Nordfeldt, C. E., Ahlquist, and Emery.)
Ahlschlager, Walter W., et al. (See Clark, Malcolm S., assignor.)
Ahnberg, Johan T., Gottenborg, Sweden. Pressure reducing valve. 1,849,973; Mar. 31.
Ahnell, Herman O., Chicago, Ill. Making brick and the like. 1,883,442; Oct. 18.
Ahnert, Carl, Masnou-Gerta, near Barcelona, Spain. Mercerizing loose cotton. 1,862,208; June 7.
Ahola, Harold, Stevenson, Wash. Bevel gauge. 1,857,129; May 10.
Ahrens, Edwin J., assignor to The C. Schmidt Company, Cincinnati, Ohio. Refrigerator apparatus. 1,860,273; May 24.
Ahrens, Edwin J., Cincinnati, Ohio, assignor, by mesne assignments, to Rueben Eli Ottenheimer, Baltimore, Md. Refrigerating apparatus. 1,868,961; July 26.
Ahrens, Elmer C., Cleveland, Ohio, assignor of one-half to H. R. Ahrens, Montclair, N. J. Internal combustion engine. 1,856,048; Apr. 26.
Ahrens-Fox Fire Engine Company, The. (See Fox, Charles H., assignor.)
Ahrens, Henry R. (See Ahrens, Elmer C., assignor.)
Aickelin, Hans., and F. Teller, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of aluminum chloride solutions. 1,870,214; Aug. 2.
Aid, William F., Cleveland, Ohio. Guard rail. 1,873,915; Aug. 23.
Aiello, Ernest, assignor of one-half to J. Soudas, Walla Walla, Wash., and one-half to J. S. Southas, Cristobal, Canal Zone. Railway telephone and signal system. 1,846,983; Feb. 23.

Aigner, George J., Chicago, Ill. Index tab. 1,848,098; Mar. 8.
Aiken, Frank W., Moberly, Mo. Anchor. 1,850,147; Mar. 22.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pump. 1,861,732; June 7.
Aikman, Burton S., assignor to National Brake & Electric Co., Milwaukee, Wis. Compressor cooling system. 1,870,219; Aug. 9.
Aimes, Francis M., assignor to Gifford-Wood Company, Hudson, N. Y. Ice up-ending machine. 1,859,486; May 24.
Aimes, Francis M., assignor to Gifford-Wood Company, Hudson, N. Y. Portable ice up-ending machine. 1,859,487; May 24.
Ainlay, Thomas W., Denver, Colo. Ore separator. 1,853,249; Apr. 12.
Ainslie, Donald F., Bishop, Calif. Drawbar. 1,850,310; Mar. 22.
Ainslie Knitting Machine Co. (See Stout, Charles W., assignee.)
Ainslie, Thomas Dow, Metuchen, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Process and apparatus for treating textile materials. 1,868,513; July 26.
Ainsworth, Albert A., Ossining, N. Y. Paper file. 1,862,459; June 7.
Ainsworth, Chester D., Wollaston, Mass. Treating cellulosic material. 1,888,419; Nov. 22.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electrically operated switch closing mechanism. 1,852,139; Apr. 5.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Multibreak electric switch. 1,878,657; Sept. 20.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Inclosed electric conductor and switch gear. 1,878,999; Sept. 27.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Metal clad switch gear and inclosed conductor system therefor. 1,879,000; Sept. 27.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,882,687; Oct. 18.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. High tension electric switch. 1,885,068; Oct. 25.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Multibreak electric switch. 1,885,101; Nov. 1.
Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. Des. 86,989; May 24.
Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. Des. 87,184; June 21.
Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. Des. 87,185; June 21.
Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. Des. 87,861; Oct. 4.
Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. Des. 87,862; Oct. 4.
Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. Des. 87,863; Oct. 4.
Ainsworth, Harry C. (See Conner, C. E., and Ainsworth.)
Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)
Ainsworth Manufacturing Corporation. (See Potter, Albert T., assignor.)
Ainsworth, Thomas H. (See Curtis, R. W., and Ainsworth.)
Air Conditioning and Engineering Co., The. (See Gnau, Marion G., assignor.)
Air Control Systems Inc. (See Jordan, W. D., and Van Vliet, assignors.)
Air Control Systems, Inc. (See Van Vliet, Paul D., assignor.)
Aircraft Control Corporation. (See Barthel, Erich H., assignor.)
Aircraft Development Corporation. (See Schlosser, Arthur C., assignor.)
Aircraft Improvement Corporation. (See Medvedeff, Nicholas J., assignor.)
Aircraft Products Corporation of America. (See Gould, John H., assignor.)
Aircraft Specialties Company. (See Gunn, Charles H., assignor.)
Aircraft Specialties, Inc. (See McDevitt, Henry J., assignor.)
Air Development Company. (See Shadle, Clinton F., assignor.)
Airite Corporation. (See Braemer, William G. R., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Crowe, John J., assignor.)
Air Reduction Company. (See Deming, George M., assignor.)
Air Reduction Company. (See Dolley, Paul T., assignor.)
Air Reduction Company. (See Helmkamp, Richard F., assignor.)
Air Reduction Company. (See Lawrence, Frank S., assignor.)
Air Reduction Company. (See Metzger, Floyd J., assignor.)
Air Reduction Company. (See Ost, W. R., and Lawrence, assignors.)
Air Reheater Corporation. (See Dow, Herbert H., assignor.)
Air Sealed Tire Corporation. (See Trautman, Ira, assignor.)
Air Washers, Inc. (See Oppy, Maive A., assignor.)
Air-Way Electric Appliance Corporation. (See Dow, D. M., and Child, assignors.)
Air-Way Electric Appliance Corporation. (See Leonard, Joseph E., assignor.)
Air-Way Electric Appliance Corporation. (See Mack, Walter L., assignor.)
Air Way Electric Appliance Corporation. (See Riebel, Frederick, jr., assignor.)
Air Way Electric Appliance Corporation. (See Suter, Theophilus A., assignor.)
Air-Way Electric Appliance Corporation, The. (See Trow, Pratt E., assignor.)
Airways Patent Corporation. (See Adams, Lytle S., assignor.)
Air-Wite Company. (See Smith, Herbert W., assignor.)
Aisen, Maurice, New York, N. Y. Dye material and process for making the same. 1,854,363; Apr. 19.
Aisenstein, Michael D., Berkeley, assignor to United Iron Works, Oakland, Calif. Pump. 1,849,217; Mar. 15.
Aisenstein, Michael D., Berkeley, assignor to United Iron Works, Oakland, Calif. Device for packing drive shafts of hot oil pumps. 1,850,614; Mar. 22.
Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Printing machine. 1,839,722; Jan. 5.
Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Sizing machine. 1,882,054; Oct. 11.
Aitken, Andrew W., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Clutch collar. 1,858,947; May 17.
Aitken, William J., Chicago, Ill., assignor, by mesne assignments, to National Parking Garages, Incorporated. Automobile parking apparatus. 1,883,213; Nov. 1.
Aiton & Company Limited. (See Aiton, John A., assignor.)
Aiton, John A., assignor to Aiton & Company Limited, Derby, England. System for connecting branch tubes to pressure vessels or pipes. 1,875,404; Sept. 6.
Aiton, Mary H., Summer Hill, Ill. Fence post. 1,879,725; Sept. 27.
Aivaz, Boris, Budapest, Hungary. Production of supply spools of strip material. 1,856,823; May 3.
Ajax Electrothermic Corporation. (See Eibl, Franz, assignor.)
Ajax Electrothermic Corporation. (See Feehan, Thomas A., assignor.)
Ajax Electrothermic Corporation. (See Jackson, William S., assignor.)
Ajax Electrothermic Corporation. (See Knerr, Horace C., assignor.)
Ajax Electrothermic Corporation. (See Linnhoff, Franz, assignor.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Ajax Electrothermic Corporation. (See Tama Cyrano, assignor.)
Ajax Manufacturing Company, The. (See Criley, William W., assignor.)
Ajax Metal Company, The. (See Neuabuss, Heinrich, assignor.)
Ajdukovich, George, St. Louis, Mo. Dual control for vehicles. 1,843,090; Jan. 26.
Ajemian, John, Detroit, Mich. Curtain rod cornice. 1,866,612; July 12.
Akeley Camera, Inc. (See Spence, John L., jr., assignor.)
Akerberg, Carl G., assignor to Giant Grip Mfg. Co., Oshkosh, Wis. Detachable horseshoe calk. 1,875,405; Sept. 6.
Akerlund, Carl O., Chicago, Ill., assignor to Appleton Electric Company. Hanger. 1,877,781; Sept. 20.
Akers, Charles W., and W. H. Foster, Princeton, W. Va. Journal lubricator. 1,877,633; Sept. 13.
Akers, Earl C., Detroit, Mich. Switch device for direction-signal systems. 1,865,809; July 5.
Akervick, Alfred L., Seattle, Wash. Fishline stop. 1,840,762; Jan. 12.
Akervick, Christian M. and H., Seattle, Wash. Trolling and the like winch. 1,858,760; May 17.
Akervick, Henry. (See Akervick, Christian M. and H.)
Akeyson, Swan M., Long Beach, Calif. Jarring tool. 1,841,512; Jan. 19.
Akeyson, Swan M., Long Beach, Calif. Disk bit and reamer. 1,867,545; July 19.
Akin, William M., and D. Young, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo. Heating railroad rails. 1,841,692; Jan. 19.
Akins, Randall P., Denver, Colo. Continuous filter. 1,878,998; Sept. 27.
Akro Agate Company, The. (See Early, John F., assignor.)
Akron Equipment Company, The. (See Schmidt, Richard J., assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)

Akron Standard Mold Company, The. (See Bunker, Clifford C., assignor.)
Akron Standard Mold Company. (See Hudson, C. B., and Bostwick, assignors.)
Akron Truss Company, The. (See Collins, Thomas L., assignor.)
Aktiebolaget Atlas Diesel. (See Thege, Edvin O. P., assignor.)
Aktiebolaget Atmos. (See Blomquist, Johan V., assignor.)
Aktiebolaget Atmos. (See Blomquist, J. V., and Blomén, assignors.)
Aktiebolaget Atmos. (See Bloomquist, J. V., and Ehlinger, assignors.)
Aktiebolaget Atmos et al. (See Ehlinger, Marcel, assignor.)
Aktiebolaget Bästa. (See Heljkenskjöld, Gustaf O. W., assignor.)
Aktiebolaget Bergslagens Gemensamma Kraftforvaltning. (See Hultman, Gustaf, assignor.)
Aktiebolaget Birka Regulator. (See Appelberg, Axel O., assignor.)
Aktiebolaget Elektrisk Malmletning. (See Sunberg, Karl, assignor.)
Aktiebolaget Elektrisk Malmletning. (See Sundberg, Karl, assignor.)
Aktiebolaget Formator. (See Bauschlicher, August, assignor.)
Aktiebolaget Friberg's Hogvacuumpump. (See Wrange, Georg V., assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Johnson, Bror A. E., and Öström, assignors.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Ström, Gustaf, assignor.)
Aktiebolaget Ljungström Angturbin. (See Lysholm, Alf., assignor.)
Aktiebolaget Ljungstroms Angturbin. (See Forssblad, Nils R., assignor.)
Aktiebolaget Ljungstroms Angturbin. (See Klgnell, E. and E. H., assignors.)
Aktiebolaget Ljungströms Angturbin. (See Lysholm, Alf, assignor.)
Aktiebolaget Ljungstroms Angturbin. (See Lysholm, A. and Wahlsten, assignors.)
Aktiebolaget Nomy. (See Wallgren, August G. F., assignor.)
Aktiebolaget Nordiska Armaturfabrikerna. (See Hysing, Erik G., assignor.)
Aktiebolaget Nordiska Armaturfabrikerna. (See Samson, Torsten, assignor.)
Aktiebolaget Siefvert & Fornander. (See Klute, Georg assignor.)
Aktiebolaget Spontan. (See Ljungstrom, Fredrik, assignor.)
Aktiebolaget Svenska Flaktfabriken. (See Edholm, Harold, assignor.)
Aktiebolaget Tonsor. (See Kylberg, Folke, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Aubort, Edouard, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Courvoisier, Georges, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Couwenhoven, Abrahaam, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Couwenhoven, Abrahm C. assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Eisenhut, O., Bass, and Meier, assignors.)
Aktiengesellschaft Brown, Boveri & Cie. (See Frey, Ernst H., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Gaudenzi, Arthur, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Gaudenzi, A., and Kobel, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Güttinger, Heinrich, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Haller, Arnold, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Jonas, Julius, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Jonas, J., and Kern, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Jonas, J., and Rump, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Keller, Robert, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Kern, Erwin, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Kobel, Ernst, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Kopeliowitsch, Jakob, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Lesch, Guntram, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Meyer, Adolf, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Meyerhans, August, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Mitzlaff, Georg, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Plechl, O., and Latzko, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Prantl, Franz, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Rump, Sigurd, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Rusterholz, Viktor, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Schiesser, M., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Seitz, Oskar, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Sieber, Fritz, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Stoecklin, Josef, assignor.)
Aktiengesellschaft, Brown, Boveri and Cie. (See Uyttenbroeck, Hubert, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See van Gastel, Albertus, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See van Rijswijk, Willem, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Widmer, Stefan, assignor.)
Aktiengesellschaft Brown Boveri et Cie. (See Widmer, S., and Hürlimann, assignors.)
Aktiengesellschaft C. P. Goerz, Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Lang, Rolf, assignor.)
Aktiengesellschaft C. P. Goerz Optische Anstalt, Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Von Hofe, C., and Schick, assignors.)
Aktiengesellschaft C. P. Goerz Optische Anstalt Akciova Spolecnost K. P. Goerz Opticky Ustav. (See Petschenig, Karl, assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyes & Cie. (See Vogel, Walter, assignor.)
Aktiengesellschaft der Oesterreichischen Fezfabriken. (See Bong, Adolf, assignor.)
Aktiengesellschaft fur Stickstoffdunger. (See Winter, E., and Grimm, assignors.)
Aktieselskabet Eureka McKaniske Verksted. (See Eriksen, Olaf Arnfin Stam.)
Aktieselskabet Lilleborg Fabriker. (See Aarskog, A., Svendsen, and Ebel, assignors.)
Al, Jan, Amsterdam, assignor to De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacturing nickel catalysts. 1,862,949; June 14.
Al, Jan, Amsterdam, assignor to Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of hydrogen. 1,863,681; June 21.
Al, Jan, Amsterdam, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of acetone. 1,855,443; Oct. 18.
Alaiso, Samuel T., New York, N. Y. Razor holder. 1,852,688; Oct. 18.
Alamo-Ybarra, Diego, Geneva, Switzerland. Advertising device. 1,839,723; Jan. 5.
Alan, Charles. (See Alan, Francis D., assignor.)
Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Playground equipment. 1,865,810; July 5.
Alban, James C., Baltimore, Md. Industrial boom attachment for track type tractors. 1,840,998; Jan. 12.
Albany Corrugated Container Corp. (See Nuckols, Claude C., assignor.)
Albany Hardware Specialty Mfg. Co. (See Whitcomb, Harris M., assignor.)
Albaugh, Ellis, assignor to Dixie Cotton Machinery Company, San Antonio, Tex. Rotary cotton chopping cutter. 1,855,889; Apr. 12.
Albaugh, Ellis, and H. F. Hildebrandt, assignors to Dixie Cotton Machinery Company, San Antonio, Tex. Cotton chopping machine. 1,865,351; June 28.
Albee, Fred H., Winchester, Mass. Rotary plant support. 1,859,352; May 24.
Albee, Hugh M., assignor to The Leavitt Machine Company, Orange, Mass. Rotary cutter. 1,851,613; Mar. 29.
Albee, Hugh M., assignor to The Leavitt Machine Company, Orange, Mass. Grinding machine. 1,877,546; Sept. 13.
Albee, Hugh M., assignor to The Leavitt Machine Company, Orange, Mass. Valve seat grinder. 1,877,782; Sept. 20.
Albera, Angelo N., Concord, Calif. Baseball game. 1,851,384; Oct. 4.
Albers, John W., Antigo, and A. J. Anderson, Waupaca, Wis. Fish lure. 1,846,538; Feb. 23.
Albersheim, Walter, assignor to Radio Corporation of America, New York, N. Y. Crystal subharmonic generator. 1,874,845; Aug. 30.
Albersheim, Walter J., assignor to Radio Corporation of America, New York, N. Y. Electron emitting device. 1,878,089; Sept. 20.
Albersheim, Walter J., and H. S. Kenheim, New York, N. Y. Measuring the viscosity of lubricating oils and other liquids. 1,863,090; June 14.
Albert, August, Hochst-on-the-Main, Germany, assignor to Winthrop Chemical Company, New York, N. Y. Arsenobenzene and preparing it. 1,845,388; Feb. 16.
Albert, Charles S. (See Sandler, Myron, assignor.)
Albert, Chester B. (See Mueller, R. H., and Albert.)
Albert, Edward J., assignor to Tbwing Instrument Company, Philadelphia, Pa. Temperature indicating means. 1,883,444; Oct. 18.

Albert, Karl. (See Kurz, H., and Albert.)
Albert, Karl, Vienna, Austria. Device for grinding pulpy semifluid materials and mixtures. 1,840,827; Jan. 12.
Albert, Walter P. (See Wood, Joseph K., assignor.)
Albert, Walter P., East Orange, N. J., assignor to Harold O. Van Antwerp, Grand Rapids, Mich. Variable transmission mechanism. 1,866,614; July 12.
Alberti, Angelo L., Beaver Falls, Pa. Tire rim. 1,887,984; Nov. 15.
Albertine, Herman, East Rutherford, N. J. Coupler. 1,850,869; Mar. 22.
Albertine, Herman, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co. Inc. Lubricating system. 1,847,684; Mar. 1.
Albertine, Herman, Rutherford, N. J., assignor to Rogers Products Company, Inc. Spray apparatus. 1,866,285; July 5.
Albertine, Herman, Rutherford, N. J., assignor to Rogers Products Company, Inc. Portable grease gun. 1,871,400; Aug. 9.
Albertini, Ernesto, Chicago, Ill. Time switch. 1,868,086; July 19.
Albertoni, George J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for testing rubber. 1,846,241; Feb. 23.
Alberts, Harry C., Chicago, Ill. Heat radiator. 1,863,554; June 21.
Alberts, Samuel, Los Angeles, Calif. Toilet bowl. 1,863,682; June 21.
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson & Company. (See Albertson, F. O., and Madsen, assignors.)
Albertson & Company. (See Albertson, F. O., and Olsen, assignors.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat boring tool. 1,882,689; Oct. 18.
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat reamer. 1,882,690; Oct. 18.
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Reamer cutting machine. 1,882,691; Oct. 18.
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Making valve seat finishing tools. 1,882,692; Oct. 18.
Albertson, Frans O., and A. Madsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Valve seat gauge. 1,891,364; Dec. 20.
Albertson, Frans O., and A. Madsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Valve seat gauge. 1,891,365; Dec. 20.
Albertson, Frans O., and G. A. Olsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Abrasive device. 1,861,773; June 7.
Albertson, Frans O., and G. A. Olsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Abrasive device. 1,882,693; Oct. 18.
Albertson, Russell W., Fort Atkinson, Wis. Recoil check. 1,846,045; Feb. 23.
Albertson, Willie E., assignor of one-half to M. D. Moody, Jacksonville, Fla. Magnetic ignition switch. 1,854,166; Apr. 19.
Albertson, Willie E., assignor of one-half to M. D. Moody, Jacksonville, Fla. Oil and temperature controlled ignition cut-out. 1,854,571; Apr. 19.
Albino, Samuel P., Syracuse, N. Y. Keyhole guard. 1,842,642; Jan. 26.
Albinson, Harold H., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum servo brake. 1,846,017; Feb. 23.
Albion Bottle Company Limited. (See Tucker, Arthur D., assignor.)
Albisú, José A., Saladillo, Argentina. Apparatus for the discharge of projectiles. 1,877,215; Sept. 13.
Albitz, Benjamin F., Minneapolis, Minn. Lens for eyeglasses and making same. 1,891,036; Dec. 13.
Albjerg, Edwin, Fergus Falls, Minn. Automatic storm sash adjuster. 1,875,542; Sept. 6.
Albrecht, Charles A., East Chicago, Ind. Hedge cutter. 1,857,342; May 10.
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Assembling mechanism for typographical linecasting machines. 1,860,880; May 31.
Albrecht, Max. (See Koppel, A. F., and Albrecht.)
Albrecht, Otto. (See Felix, F., and Albrecht.)
Albrecht, Walther, Ludwigshafen-on-the-Rhein, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Monodiazo compounds of 1,4-diamino-2-halogenor 2,3-halogen-anthraquinones and preparing them. 1,851,969; Apr. 5.
Albright, Alan R., Pittsburgh, Pa., assignor to The Koppers Company. Treatment of hydrocarbon oil produced in gas manufacture. 1,859,015; May 17.
Albright, Daniel H., York, Pa. Building block. 1,845,472; Feb. 16.
Albright, Edward C., Indianapolis, assignor to Indiana Lamp Corporation, Connersville, Ind. Stop, backing, and fall light. 1,845,111; Feb. 16.
Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp structure. 1,864,706; June 28.
Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Ornamented headlamp. 1,866,693; July 12.
Albright, Elmer E., Philadelphia, Pa., assignor of one-half to A. L. Taylor, Haddon Heights, N. J. Window sash. 1,849,780; Mar. 15.
Albright, H. Nelson, et al., executors. (See Zifferer, Lothar R., assignor.)
Albright, John G., Cleveland, Ohio. Circuit interrupter. 1,892,454; Dec. 27.
Albright, Lisle M. (See Hutchinson, O. C. K., and Albright.)
Albright, N., et al, executors. (See Zifferer, Lothar R.)
Albright, Robert E. (See Wurster, Amsy L., assignor.)
Albritton, Dez., assignor to J. O. Parker, Spokane, Wash. Scratch pad device. 1,875,543; Sept. 6.
Alcalá, Pablo, Los Angeles, assignor to A. Pfister and J. I. Cousins, Paso Robles, and A. C. Segarra and E. Roure, Los Angeles, Calif. Pastry machine. 1,878,256; Sept. 20.
Alcet Electro-Products Corporation. (See Lund, Arthur D., assignor.)
Alco Products, Incorporated. (See de Bence, Stephen B., assignor.)
Alco Products Incorporated. (See Jacocks, George T., assignor.)
Alco Products, Incorporated. (See Jacocks, G. T., and Krieg, assignors.)
Alco Products, Incorporated. (See Ogilvy, Walter S., assignor.)
Alco Products, Incorporated. (See Wallis, John S., assignor.)
Alcor Manufacturing Company. (See Nielsen, Karl K., assignor.)
Alcoriza, Sofronio P., Stockton, Calif. Signal for motor vehicles. 1,878,096; Sept. 20.
Alcorn Combustion Company. (See Nash, Arthur E., assignor.)
Alcorn Combustion Company. (See Nash, A. E., and Alcorn, assignors.)
Alcorn, James S. (See Nash, A. E., and Alcorn.)
Alcsutner, Géza, Detroit, Mich. Rotary engine. 1,846,298; Feb. 23.
Aldcroft, Richard B., and H. Rubal, Los Angeles, Calif. Apparatus for producing screen printing. 1,843,116; Feb. 2.
Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Shoulder gage. 1,840,006; Jan. 5.
Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Adjustable plug gauge. 1,850,063; May 17.
Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Plug gauge. 1,861,172; May 31.
Aldeborgh, Erik H., and C. E. Ruf, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Combination dial indicator. 1,891,196; Dec. 15.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Hinge support. 1,854,440; Apr. 19.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Hinge. 1,864,163; June 21.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Hinge. 1,864,164; June 21.
Aldeen, Gedor W., assignor to Fyrac Manufacturing Company, Rockford, Ill. Holder for glass cutter cartridges. 1,883,445; Oct. 18.
Aldeen, Gedor W., and A. A. Carlson, assignors to The Skandia Furniture Company, Rockford, Ill. Bookstand. 1,862,562; June 14.
Aldeen, Reuben A., and T. H. Erickson, assignors to American Cabinet Hardware Corporation, Rockford, Ill. Hinged support. 1,851,747; Mar. 29.
Alden, Carroll R., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Slip bushing. 1,864,707; June 28.
Alden, Carroll R., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Slip bushing. 1,890,664; Dec. 13.
Alden, Carroll R., and C. A. Birkebak, assignors to Ex-Cell-O Aircraft and Tool Corporation, Detroit, Mich. Slip bushing. 1,890,663; Dec. 13.
Alden, Gardner R., assignor to Dennison Manufacturing Company, Framingham, Mass. Making colored crepe paper with insoluble dyes and resulting product. 1,871,647; Aug. 16.
Alden, Gardner R., assignor to Dennison Manufacturing Company, Framingham, Mass. Coloring crepe paper and resulting product. 1,871,769; Aug. 16.
Alden, Gardner R., Framingham, and T. Nelson, assignors to Dennison Manufacturing Company, Framingham, Mass. Making nonbleeding crepe paper. 1,863,813; June 21.
Alden, Herbert W., and N. R. Brownyer, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Brake system. 1,850,861; Mar. 22.
Alden, Herbert W., and N. R. Brownyer, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Car truck. 1,882,469; Oct. 11.
Alden, Herbert W., and M. A. Powers, assignors to The Timken Silent Automatic Company, Detroit, Mich. Oil burner. 1,882,694; Oct. 18.

Alden, John L., La Grange, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Feeding apparatus. 1,847,161; Mar. 1.
Alden, Milton, Springfield, Mass. Tuning mechanism for radio reception, etc. 1,871,295; Aug. 9.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Tube socket and contact terminals therefor. 1,839,521; Jan. 5.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Socket for vacuum tubes. 1,839,522; Jan. 5.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Electron tube socket. 1,839,633; Jan. 5.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Converter. 1,839,634; Jan. 5.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Acoustical instrument. 1,855,933; Apr. 26.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Tube socket. 1,871,292; Aug. 9.
Alden, Milton, Stockton, Mass., assignor to Radio Inventions, Inc. Electrical connecter. 1,840,219; Jan. 5.
Alden, William F. (See Crimmins, N. A., and Alden.)
Alder, Jacques J. (See Klein, Alder, assignor.)
Alder, Kurt. (See Diels, O., and Alder.)
Alder, Stanley, Roker, Sunderland, England. Injection pump for Diesel engines. 1,886,930; Nov. 8.
Alder, William F., Los Angeles, assignor, by mesne assignments, to R. P. Merritt, Fresno, Calif. Motion picture apparatus. 1,869,928; Aug. 2.
Alderborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Snap gauge. 1,883,446; Oct. 18.
Alderfer, John M., Sharon Center, Ohio. Sign. 1,858,258; May 17.
Alderfer, John M., Sharon Center, Ohio. Shell. 1,885,789; Nov. 1.
Alderfer, Sterling W., Akron, Ohio. Method and apparatus for cooling pneumatics. 1,892,028; Dec. 27.
Alderman, Michael, jr., Brewster, Fla. Corn sheller. 1,892,598; Dec. 27.
Alderson, Frederick, Kingston, Ontario, Canada. Combination tool. 1,845,038; Feb. 16.
Aldis, Arthur C. W., Sparkhill, Birmingham, England. Apparatus for use in connection with photographic aerial surveys. 1,858,353; May 17.
Aldis, Arthur C. W., Birmingham, England. Production of maps by means of aerial photographs. 1,875,363; Sept. 6.
Aldo, Ruth, Company. (See Barthélemy, Henri L., assignor.)
Aldrich, Alonzo, and E. E. Berry, assignors to Beloit Iron Works, Beloit, Mich. Stock flow device. 1,841,693; Jan. 19.
Aldrich, Herbert B., Baltimore, Md., assignor to The Peerless Heater Company, Boyertown, Pa. Heat insulating furnace panel. 1,864,323; June 21.
Aldrich, John W., Toledo, Ohio. Method of and apparatus for forming closures in bag tubes. 1,882,696; Oct. 18.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Machine for shaping and cutting butter or like materials. 1,848,405; Mar. 8.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Print forming machine. 1,869,644; Aug. 2.
Aldrich, John P., and H. A. Morris, assignors to the Automat Molding & Folding Company, Toledo, Ohio. Roll wrapping machine. 1,882,695; Oct. 18.
Aldrich, Lester K., Sidney, Ohio. Paper feeding machine. 1,874,149; Aug. 30.
Aldrich, Loyd I., assignor to Preferred Oil Burners, Inc., Peoria, Ill. Ignition mechanism for domestic oil burners. 1,889,968; Dec. 6.
Aldrich, Ralph N., assignor to Standard Stations, Inc., San Francisco, Calif. Service station. Des. 88,281; Nov. 15.
Aldrich, Ralph N., assignor to Standard Stations, Inc., San Francisco, Calif. Service station. Des. 88,282; Nov. 15.
Aldrich, Ralph N., assignor to Standard Stations, Inc., San Francisco, Calif. Service station. Des. 88,283; Nov. 15.
Aldrich, Ralph N., assignor to Standard Stations, Inc., San Francisco, Calif. Service station. Des. 88,284; Nov. 15.
Aldrich Pump Company, The. (See Holveck, Joseph E., assignor.)
Aldrich, William O. and J. A. Kooistra, assignors to Whitin Machine Works, Whitinsville, Mass. Spindle driving mechanism. 1,844,307; Feb. 9.
Aldridge, George E., Fort Worth, Tex. Tube cap. 1,882,697; Oct. 18.
Alegria, Julian A., Goleta, Calif. Seed planter. 1,842,059; Jan. 19.
Alemite Corporation. (See Buchet, Conrad R., assignor.)
Alemite Corporation. (See Carr, Moses F., assignor.)
Alemite Corporation. (See Davis, Ernest W., assignor.)
Alemite Corporation. (See Fine, Charles A., assignor.)
Alemite Corporation. (See Locke, S. D., and Dosch, assignors.)
Alemite Corporation. (See Moore, George L., assignor.)
Alemite Corporation. (See Morse, Normand W., assignor.)
Alemite Corporation. (See Murphy, Howard J., assignor.)
Alemite Corporation. (See Otis, Joseph E., jr., assignor.)
Alemite Corporation. (See Raisch, Charles F., assignor.)
Alemite Corporation. (See Thomas, George F., assignor.)
Alemite Corporation. (See Wheeler, Leonard H., assignor.)
Alemite Corporation. (See Zerk, Oscar U., assignor.)
Alesen, Andrew, West Hollywood, Calif. Lawn mower attachment. 1,870,979; Aug. 9.
Alesse, Joseph. (See Campagna, S., Alesse, and Laviano.)
Alex, Max, Davenport, Iowa. Water heater. 1,844,268; Feb. 9.
Alexander, Alfred H., assignor to Sunsaloon Bodies Limited, Edinburgh, Scotland. Body for motor vehicles. 1,873,990; Aug. 30.
Alexander, Chauncey A., et al. (See Sweet, Alvin H., assignor.)
Alexander, Clarence G., Detroit, Mich. Trouser holder. 1,856,064; May 3.
Alexander, Clyde. (See Suppiger, G. S., and Alexander.)
Alexander, Earl C., Glen Ellyn, assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,874,439; Aug. 16.
Alexander, Earl C., Glen Ellyn, assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,874,488; Aug. 16.
Alexander, Elliot Ritchie, Orlando, Fla., assignor, by mesne assignments, to The Vitamin Company of America. Homogenized citrus fruit concentrate. 1,885,401; Nov. 1.
Alexander, Elliot R., Orlando, Fla., assignor, by mesne assignments, to The Vitamin Company of America. Vitamin fruit composition. 1,886,931; Nov. 8.
Alexander, Ernest M., La Conner, Wash. Device for displaying garden seed packets in seed display cases. 1,840,297; Jan. 12.
Alexander, Focsaneanu, New York, N. Y., assignor to Argco Tube and Television Corporation. Lighting device. 1,851,558; Mar. 29.
Alexander, Focsaneanu, New York, N. Y., assignor to Argco Tube and Television Corporation. Arc lamp. 1,887,277; Nov. 8.
Alexander, Focsaneanu, and J. P. Gibson, New York, N. Y., assignors to Argco Tube and Television Corporation. Metal electrode and method of the same. 1,845,777; Feb. 16.
Alexander, Focsaneanu, and J. P. Gibson, New York, N. Y., assignors to Argo Tube and Television Corporation. Electrode and making the same. 1,846,242; Feb. 23.
Alexander, Frederick C., West Collingswood, N. J. Device for facilitating the manufacture of paper pads. 1,847,994; Mar. 1.
Alexander, Frederick W., London, England. Formation of selvedges for fabrics. 1,855,122; Apr. 19.
Alexander, Gustaf, Chicago, Ill. Water craft. 1,888,443; Nov. 22.
Alexander, Harry S., F. B. Pfeiffer, Akron, and J. W. White, Barberton, Ohio, assignors to Seiberling Rubber Company. Bias cutting machine. 1,888,754; Nov. 22.
Alexander, Jesse, assignor of one-half to W. W. Payne, Los Angeles, Calif. Key and type bar action. 1,843,117; Feb. 2.
Alexander, John L. (See Honeycutt, C. E., and Alexander.)
Alexander, John M., Lincoln, Nebr. Automatic gasoline vending machine. 1,866,523; July 12.
Alexander, L. W. (See Beach, W. B., jr., assignor.)
Alexander of New York, Inc. (See Buchi, Alexander J., assignor.)
Alexander, Oscar C. (See Kelsall, A. H., and Alexander.)
Alexander, Peter E., Marblehead, Mass., assignor to General Electric Company, Vaporizer. 1,855,839; Apr. 26.
Alexander, Robert L. (See Wishart, H. W., and Alexander.)
Alexander, Robert L., and J. R. McCallum, assignors to The Climax Engineering Company, Clinton, Iowa. Refrigeration unit. 1,869,835; Aug. 2.
Alexander, Samuel, New York, N. Y. Knife and guard handle. 1,850,090; Mar. 22.
Alexander, Thomas R., Kaikoura, New Zealand. Tilting dump truck. 1,892,029; Dec. 27.
Alexander, Vincent S., Swissvale, and D. G. Ackerly, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,875,839; Sept. 6.
Alexander, William, Glasgow, Scotland. Oil pump. 1,860,350; June 28.
Alexander, William M., Monroe, N. C. Aeroplane. 1,858,128; May 10.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to Radio Corporation of America. Signaling. 1,839,455; Jan. 5.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Eliminating fading. 1,853,021; Apr. 12.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Picture transmission. 1,857,130; May 10.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System for producing high frequency oscillations. 1,866,337; July 5.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Picture transmission apparatus. 1,866,338; July 5.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Alternating current commutator machine. 1,867,396; July 12.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to Radio Corporation of America. Signaling by phase displacement. 1,882,698; Oct. 18.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Television receiver. 1,889,587; Nov. 29.

Alexandrou, Leonidas, New York, N. Y. Grape juice composition and preparing the same. 1,851,158; Oct. 4.

Alexanian, Minnie, Coytesville, N. J. Flaten roller. 1,891,366; Dec. 20.

Alfaro, Heraclio, East Cleveland, Ohio. Airplane. 1,858,899; May 17.

Alfaro, Heraclio, East Cleveland, Ohio. Airplane. 1,890,012; Dec. 6.

Alfaro, Oswaldo, Buenos Aires, Argentina. System of stowing wine casks, or barrels, or hogsheads, etc. 1,875,406; Sept. 6.

Alfonso, Steven M., Chicago, Ill., assignor to Louisville Frog, Switch and Signal Co., Louisville, Ky. Renewed switch point rail and renewing same. 1,876,482; Sept 6.

Algemeene Kunstzijde Unie N.V. (See Engel, Antonie J., assignor.)

Algemeene Kunstzijde Unie N. V. (See Nolet, Hendrik, assignor.)

Algeo, Albert M., and J. W. Ross, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Control system for glass feeders. 1,854,967; Oct. 25.

Albert, Emile, assignor to Compagnie de Machines Automatiques Savingna, Paris, France. Clutch apparatus. 1,847,633; Feb. 23.

Alig, George G., Indianapolis, Ind. Gas burner for stoves. 1,839,366; Jan. 5.

Alioth, Manfred, assignor to Firm "Durand & Huguenin S. A.", Basel, Switzerland. Manufacture of dyestuffs of the acridine series and the products. 1,852,730; Apr. 5.

Alioth, Manfred, assignor to Durand & Huguenin S. A., Basel, Switzerland. Manufacture of red-orange to brown-red basic dyestuffs of the acridine series and the products. 1,863,283; June 14.

Alkire, John C., Brea, Calif. Orifice fitting. 1,854,727; Apr. 19.

Allabough, Ellsworth B., Evanston, Ill. Toy merry-go-round. 1,873,016; Aug. 16.

All American Mohawk Corporation. (See Woods, Alvoni A., assignor.)

Allan, Alexander, Middletown, and W. H. Innes, Newport, R. I. Gun mount for aeroplane. 1,844,625; Feb. 9.

Allan, Allen C., assignor to Kant Slip Plier & Tool Company, Chicago, Ill. Pliers or the like. 1,873,805; Aug. 23.

Allan, Archibald, Tynemouth, and J. Christie, Sunderland, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switch gear. 1,860,918; May 31.

Allan, Hugh Lee, Burmah, British India, assignor to The Burmah Oil Company Limited, Glasgow, Scotland. Wax sweating plant. 1,859,376; May 24.

Allan Manufacturing and Welding Company. (See Hebeler, Edward S., assignor.)

Allan, Percy, Montclair, N. J., assignor to A. B. Sands & Son Company, New York, N. Y. Marine toilet. 1,888,842; Nov. 22.

Alland, Maurice, Atlantic City, N. J. Closure for cigarette and similar packages. 1,862,518; June 14.

Allard, Robert M., assignor to Armstrong Cork Company, Lancaster, Pa. Decorating metal surfaces. 1,874,689; Aug. 30.

Allardt, Hans-Georg, Berlin-Reinickendorf-West, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Producing alkali salts of iodomethyl sulphonic acid. 1,867,793; July 19.

Allbert, Eugene A., Tigard, Oreg. Heater. 1,850,194; Mar. 22.

Allbright, Edward W., Los Angeles, Calif. Seat construction for sedan type automobiles. 1,873,525; Aug. 23.

Allbright-Nell Company, The. (See Allbright, William B., assignor.)

Allbright, William B., assignor to The Allbright-Nell Company, Chicago, Ill. Carcass cleansing and scalding apparatus. 1,848,596; Mar. 8.

Allbright, William B., assignor to Allbright-Nell Company, Chicago, Ill. Washer. 1,850,951; Mar. 22.

Allchin, Leonard J., Manchester, assignor to Imperial Chemical Industries Limited, London, England. New basic and acid dyes of the rhodamine type. 1,840,553; Jan. 12.

Allchin, Leonard J., Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited, Westminster, England. Manufacture of M-2-xylidine. 1,867,962; July 19.

Allegheny Steel Company. (See McQuigg, Sanford E., assignor.)

Allegheny Steel Company. (See Ponce, Lucien G., assignor.)

Allegheny Steel Company. (See Sheldon, Harry E., assignor.)

Allegheny Steel Company. (See Shover, Barton R., assignor.)

Allegheny Steel Company. (See Stroble, Carl J., assignor.)

Allegro Machine Co. (See Barsch, Wilhelm, assignor.)

Allemang, Raymond D., Clayton, Mo. Driving mechanism for laundry driers. 1,847,325; Mar. 1.

Allen, Amos L., Pittsfield, assignor to General Electric Company. Paper suitable for capacitors and making the same. 1,850,702; Mar. 22.

Allen, Arthur A., Bellerose, assignor to The Peelle Company, Brooklyn, N. Y. Elevator door. 1,872,054; Aug. 16.

Allen, Arthur J., Lakewood, Ohio. Steaming tube. 1,872,549; Aug. 16.

Allen-Bradley Company. (See Bradley, Harry L., assignor.)

Allen-Bradley Company. (See Bradley, Lynde, assignor.)

Allen-Bradley Company. (See Mattern, Raymond P., assignor.)

Allen-Bradley Company. (See Megow, George E., assignor.)

Allen-Bradley Company. (See Power, Laurence E., assignor.)

Allen-Bradley Company. (See Steenweg, William F., assignor.)

Allen-Bradley Company. (See Wilms, Gustav O., assignor.)

Allen, Carl G. (See McCormick, J. H., Allen, and Bender.)

Allen, Charles B., assignor to The Ohio Injector Company, Wadsworth, Ohio. Injector. 1,852,070; Apr. 5.

Allen, Charles E., Arvada, Colo. Electric door opening and closing device. 1,859,064; May 17.

Allen, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of film scrap with an alcoholic solution of sodium peroxide. 1,844,711; Feb. 9.

Allen, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Recovering film scrap, etc., including bleaching. 1,844,712; Feb. 9.

Allen, Charles H., and E. T. Robbeloth, assignors to Packers Specialty Company, Pittsburgh, Pa. Sausage twisting machine. 1,866,497; July 5.

Allen, Charles I., Wadesboro, N. C. Leg splint. 1,879,001; Sept. 27.

Allen, Charles J., Moorestown, N. J., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Mulch paper. 1,844,051; Feb. 9.

Allen, Chauncey D. (See Evans, H. E., and Allen.)

Allen, Chauncey D., Philadelphia, Pa., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Valve. Des. 88,043; Nov. 15.

Allen, Chauncey D., Philadelphia, Pa., assignor to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. High pressure hot water pump. 1,849,900; Mar. 15.

Allen, Clark W., Big Timber, Mont. Method and apparatus for the artificial incubation of eggs. 1,861,895; June 7.

Allen, Clile C., assignor to American Optical Company, Southbridge, Mass. Testing prescriptive characteristics of a lens. 1,873,249; Aug. 23.

Allen, Clile C., assignor to American Optical Company, Southbridge, Mass. Lens testing device. 1,873,526; Aug. 23.

Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway signals. 1,842,643; Jan. 26.

Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,845,113; Feb. 16.

Allen, Edward B., Newtown, Conn. Sewing machine. 1,864,165; June 21.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Automatic operator for sewing machines. 1,839,854; Jan. 5.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stop-motion device for sewing machines. 1,843,534; Feb. 2.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-clamp mechanism for sewing machines. 1,856,900; May 3.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread cutting mechanism. 1,867,129; July 12.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Shuttle race for sewing machines. 1,869,402; Aug. 2.

Allen, Edward B., Newtown, and B. F. Crosby, Stratford, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for buttonhole sewing machines. 1,852,634; Apr. 5.

Allen, Edward B., Newtown, and W. Myers, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Stop-motion device. 1,878,091; Sept. 20.

Allen, Edward L. O., Oakland, Calif. Shock absorber. 1,873,100; Aug. 23.

Allen, Edward M. (See Lynn, G., Allen, and Beecher.)

Allen, Edward R., Summit, and A. Siegel, Hillside, N. J., assignors, by mesne assignments, to Krebs Pigment & Color Corporation Wilmington, Del. Rosin soap lakes of azo compounds. 18,590; Sept. 6.

Allen, Ernest E., San Francisco, Calif. Fountain mop. 1,888,961; Nov. 15.

Allen, Eugenie H., New York, N. Y. Hand bag, pocketbook, and similar article of luggage. 1,863,150; June 14.

Allen, Everett B., Kenmore, and S. B. Howe, Buffalo, assignors to Weatherbest Stained Shingle Company, North Tonawanda, N. Y. Wrapper for packages. 1,869,127; July 26.

Allen, Everett W., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Oil filter mounting. 1,854,971; Apr. 19.

Allen Filter Company, The. (See Ramsay, William S., assignor.)

Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Control means for centrifugal pumps. 1,860,603; May 31.

Allen, Frank B., Lower Merion Township, Philadelphia County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Method of and apparatus for handling ash. 1,863,218; June 14.

Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Apparatus for handling solids. 1,864,099; June 21.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Hopper. 1,867,794; July 19.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Furnace dust handling apparatus. 1,873,806; Aug. 23.

Allen, Fred W., Kingston, Tenn., assignor to J. B. Tate, Middleton, Ga. Fruit-grader structure. 1,851,231; Mar. 29.

Allen Free-Wheeling Corporation. (See Law, Otis E., assignor.)

Allen, Paul C. & Cummings Company. (See Cummings, Charles D., assignor.)

Allen, George A., et al. (See Butler, Thomas H., assignor.)

Allen, George B., Atlanta, Ga. Display container. 1,857,231; May 10.

Allen, George E. and J. G., assignors to A. W. Allen's Sons, Philadelphia, Pa. Winding mechanism. 1,859,281; May 24.

Allen, George R., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,887,613; Nov. 15.

Allen, Grosvenor N., M. G. Parker, and L. E. Ressegger, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 87,659; Aug. 23.

Allen, Grosvenor N., and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 87,864; Oct. 4.

Allen, Grosvenor N., and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Cup or similar article. Des. 88,614; Dec. 13.

Allen, Grosvenor N., and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 88,615; Dec. 13.

Allen, Harold, New York, N. Y. Take-up device for telephone door lamp, cord or wires. 1,865,893; June 28.

Allen, Horace E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,872,550; Aug. 16.

Allen, Horace E., and E. T. Ferngren, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet edge forming device. 1,868,099; July 19.

Allen, Horace R. (See Taylor, William M., assignor.)

Allen, Howard D., Los Angeles, Calif. Airplane course corrector. 1,858,396; Nov. 22.

Allen, Howard G. (See Bliss, H. R., and Allen.)

Allen, Hugh E., Scotia, N. Y., assignor to General Electric Company. Remote control system. 1,867,395; July 12.

Allen, James W., St. Paul, Minn. Crow trap. 1,845,212; Feb. 16.

Allen, John E., Minneapolis, Minn. Cigarette case. 1,842,891; Jan. 26.

Allen, John G. (See Allen, George E. and J. G.)

Allen, John H., London, assignor to General Steel Wares Limited, Toronto, Ontario, Canada. Electric switch. 1,851,341; Mar. 29.

Allen, John M., Toronto, Ontario, Canada. Seamless hose and making. 1,857,775; May 10.

Allen, John W., Los Angeles, Calif. Room service table. 1,869,040; July 26.

Allen, Joseph B., Darlinghurst, Sydney, New South Wales, Australia. Paper trimming device. 1,847,803; Mar. 1.

Allen, Joseph C., Hartford, Pa. Damper valve mechanism. 1,847,804; Mar. 1.

Allen, Joseph W., Dayton, Ohio. Electrical thermometer. 1,865,995; July 5.

Allen, Joseph W., assignor to Bendix Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,891,702; Dec. 20.

Allen, Lavont C. (See Cowley, J. T., and Allen.)

Allen, Lavont C. (See Jennings, C. S., and Allen.)

Allen, Leonard, Barslem, and E. C. Deering, New Barnet, Barnet, England. Manufacture and production of transfers. 1,888,154; Nov. 15.

Allen, Martin W., Los Angeles, Calif. Dairy flag. 1,888,368; Nov. 22.

Allen, Morris C., assignor to Sullivan Machinery Company, Chicago, Ill. Core drill. 1,883,321; Oct. 18.

Allen, Raymond P., Akron, Ohio. Image-forming, transmitting, and reproducing apparatus. 1,848,814; Mar. 8.

Allen, Richard M., and A. E. Dickinson, Hartford, assignors of one-fourth to J. P. Clary, Hartford County, Conn. Paint brush. 1,876,572; Sept. 13.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine and condenser unit. 1,882,699; Oct. 18.

Allen, Russell G. (See Kadow, A., and Allen.)

Allen, Russell G., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Cam mechanism for glass blowing machines. 1,803,714; Apr. 12.

Allen, Russell G., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,875,796; Sept. 6.

Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Cut-off mechanism for glassware forming machines. 1,875,873; Sept. 6.

Allen, S. L., & Co. (See Allen, Charles J., assignor.)

Allen, S. L., & Co., Inc. (See Warren, William C., assignor.)

Allen, Samuel C., assignor, by mesne assignments to Dayton Racquet Company, Inc., Dayton, Ohio. Tennis racket. 1,869,038; July 26.

Allen, Scott E., and O. N. Wiswell, Los Angeles, Calif. Valve. 1,882,700; Oct. 18.

Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)

Allen-Sherman-Hoff Company, The. (See Deutsch, John, assignor.)

Allen-Sherman-Hoff Company, The. (See Hoff, Leigh P., assignor.)

Allen-Sherman-Hoff Company, The. (See Hormel, Charles C., assignor.)

Allen, Sherman T., Los Angeles, Calif. Weighing scale. Des. 86,432; Mar. 8.

Allen, Sloan, Omaha, Nebr. Pencil. 1,856,013; Apr. 26.

Allen, Thomas T., and J. F. Adams, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Centrifugal switch for motion picture projecting machines. 1,842,644; Jan. 26.

Allen, Thomas T., and C. K. Gibbs, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Safety switch for motion picture projecting machines. 1,847,075; Mar. 1.

Allen, Thomas T., and J. F. Adams, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Control circuits for fire prevention apparatus. 1,862,342; June 7.

Allen, Vincent W. (See Thomas, C. W., and Allen.)

Allen, Walter S., Flushing, assignor to General Chemical Company, New York, N. Y. Apparatus for the manufacture of sulphuric acid. 1,865,607; July 5.

Allen, William H., assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich. Producing iron phosphate. 1,839,523; Jan. 5.

Allen, William H., F. MacDonald and W. A. Gale, assignors to American Potash & Chemical Corporation, Trona, Calif. Method and apparatus for separating salts and liquors. 1,873,251; Aug. 23.

Allen, William R., Hoyland, near Barry, England. Manufacture of yarns suitable for use in the production of fabrics therewith. 1,877,488; Sept. 13.

Allen, William R., Shaker Heights, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Address plate index. 1,856,014; Apr. 26.

Allen, William W., Jacksonville, Fla. Fan. 1,855,660; Apr. 26.

Allendale Manufacturing Company. (See Sherwood, R. H., and Stewart, assignor.)

Allendorff, Fritz. (See Rall, M., and Allendorff.)

Allendorff, Fritz, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto electric ignition apparatus. 1,884,958; Oct. 25.

Allendorff, Fritz, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto ignition apparatus. 1,884,959; Oct. 25.

Allendorf, Hugo A., assignor to The American Crayon Company, Sandusky, Ohio. Holding device. 1,887,145; Nov. 8.

Allenic, Paul, Paris, France. Electric plug. 1,890,484; Dec. 13.

Allen's, A. W., Sons. (See Allen, George E. and J. G., assignors.)

Allenson, David, Riley, Kans. Dandelion digger. 1,842,112; Oct. 4.

Aller, Joseph L., and P. Higginson, Los Angeles, Calif., assignor, by mesne assignments, to Cinema Patents Company, Inc., New York, N. Y. Film developing and drying apparatus. 1,846,075; Feb. 23.

Alles, Clifton C., Los Angeles, Calif. Movable magnetic holder. 1,879,002; Sept. 27.

Alles, Gordon A., Monterey Park, Calif. Salts of 1-phenyl-2-aminopropane. 1,879,003; Sept. 27.

Alles, John H., and G. Reisch, St. Louis, Mo. Building wall construction. 1,857,995; May 10.

Alley, John D., Pittsburgh, Pa., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Refractory composition for brake shoe molds. 1,882,701; Oct. 18.

Alley, John D., Pittsburgh, Pa., assignor to American Brake Materials Corporation, New York, N. Y. Composition friction element. 1,882,702; Oct. 18.

Alley, Lyman E. (See Jennings, M. O., and Alley.)

All Fair Incorporated. (See Easley, Major A., assignor.)

All Fair Incorporated. (See Hewitt, Elmer L., assignor.)

Allgemeine Elecktrizitats Gesellschaft. (See Anders, Guido, assignor.)

Allgemeine Elektricitatz Gesellschaft. (See Wiegand, Erich, assignor.)

Allgrunn, Carl G. (See Knapp, E. and Allgrunn.)

Alliance Machine Company, The. (See Kendall, D., and Keller, assignors.)

Alliance Manufacturing Company, The. (See Clark, Harold W., assignor.)

Allied Die-Casting Corporation. (See Dollin, E. N., and Gebauer, assignors.)

Allied Products Corporation. (See Richard, Clement C., assignor.)

Allied Steel Products Corporation. (See Connell, James J., assignor.)

Allignol Company, The. (See George, John E., assignor.)

Allin, Richard F., New York, N. Y., assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,845,211; Feb. 16.

Allingham, John. Los Angeles, Calif. Metallurgical process. 1,870,703; Aug. 9.

Allington, William D., Highland Park, Ill. Automatic delivery storage vault. 1,890,925; Dec. 13.

Allinson, Herbert N., South Orange, N. J. Paste feeder. 1,853,662; Apr. 12.

Allis, Amber, Milwaukee, Wis. Antiglare shield. 1,845,643; Feb. 16.

Allis-Chalmers Manufacturing Company. (See Andersson, Pelle, assignor.)

Allis-Chalmers Manufacturing Company. (See Becker, George L., assignor.)

Allis-Chalmers Manufacturing Company. (See Cook, Percy E., assignor.)

Allis-Chalmers Manufacturing Company. (See Creager, William P., assignor.)

Allis-Chalmers Manufacturing Company. (See Dahlstrand, Hans P., assignor.)

Allis-Chalmers Manufacturing Company. (See De Wein, George F., assignor.)

Allis-Chalmers Manufacturing Company. (See Egli, John, assignor.)

Allis-Chalmers Manufacturing Company. (See Forrest, J., and Brenchley, assignors.)

Allis-Chalmers Manufacturing Company. (See Furnas, William C., assignor.)

Allis-Chalmers Manufacturing Company. (See Furnas, W. C., and Cooper, assignors.)

Allis-Chalmers Manufacturing Company. (See Greisen, Elijah C., assignor.)

Allis-Chalmers Manufacturing Company. (See Grob, Benjamin, assignor.)

Allis-Chalmers Manufacturing Company. (See Hagmaier, W. A., and Shaw, assignors.)

Allis-Chalmers Manufacturing Company. (See Hill, Leland H., assignor.)

Allis-Chalmers Manufacturing Company. (See Horstman, Elmer H., assignor.)

Allis-Chalmers Manufacturing Company. (See Kane, John J., assignor.)

Allis-Chalmers Manufacturing Company. (See Marti, Othmar K., assignor.)

Allis-Chalmers Manufacturing Company. (See Marti, O. K., Winograd, and Streuli, assignors.)

Allis-Chalmers Manufacturing Company. (See Metz, Ora F., assignor.)

Allis-Chalmers Manufacturing Company. (See Montgomery, T. B., and Stivender, assignors.)

Allis-Chalmers Manufacturing Company. (See Naef, Otto, assignor.)

Allis-Chalmers Manufacturing Company. (See Nagler, Forrest, assignor.)

Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)

Allis-Chalmers Manufacturing Company. (See Nichols, Lester L., assignor.)

Allis-Chalmers Manufacturing Company. (See Nye, Henry V., assignor.)

Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)

Allis-Chalmers Manufacturing Company. (See Ring, Joseph J., assignor.)

Allis-Chalmers Manufacturing Company. (See Shaw, Melvin C., assignor.)

Allis-Chalmers Manufacturing Company. (See Sherman, Lawrence B., assignor.)

Allis-Chalmers Manufacturing Company. (See Sindeband, M. L., and Marti, assignors.)

Allis-Chalmers Manufacturing Company. (See Stivender, Paul M., assignor.)

Allis-Chalmers Manufacturing Company. (See Strehlow, Walter F., assignor.)

Allis-Chalmers Manufacturing Company. (See Tenney, Frank L., assignor.)

Allis-Chalmers Manufacturing Company. (See Williamson, Robert B., assignor.)

Allis-Chalmers Manufacturing Company. (See Winograd, Harold.)

Allison, Albert J., Dayton, Ohio, assignor, by mesne assignments, to Simonds Worden White Company. Bed plate. 1,886,861; Nov. 8.

Allison, Harvey M. (See Bath, S. W., and Allison.)

Allison, Harvey M., assignor to J. Bath, Worcester, Mass. Truing mechanism for grinding machines. 1,856,180; May 3.

Allison, Harvey M., and E. A. Walker, assignors, by mesne assignments, to J. Bath, Worcester, Mass. Machine for measuring taps. 1,854,242; Apr. 19.

Allison, Harvey M., and E. A. Walker, assignors to J. Bath, Worcester, Mass. Machine for measuring threefluted taps. 1,854,243; Apr. 19.

Allison, Harvey M., and E. A. Walker, assignors to J. Bath, Worcester, Mass. Machine for measuring twofluted taps. 1,854,244; Apr. 19.

Allison, James F., Providence, R. I., assignor to Freeman-Daughaday Company. Clasp. 1,849,020; Mar. 8.

Allison, James F., Providence, R. I., assignor to Freeman-Daughaday Company. Display device. 1,862,353; June 7.

Allison, John R., Whittier, Calif. Desanding rotary mud. 1,852,272; Jan. 26.

Allison, John T. (See Cleveland, C. H., Heine, and Allison.)

Allison, Joseph A. (See King, J. H., and Allison.)

Allison, Leslie R., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Reactor. 1,869,364; Aug. 2.

Allison, Leslie R., Wilkinsburg, and F. H. Nicholson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,861,488; June 7.

Allison, Sewell W., West Orange, N. J., and W. I. McCullagh, Great Kills, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic dialing circuits. 1,853,022; Apr. 12.

Allith-Prouty Company. (See Heinen, Emil J., assignor.)

Allith-Prouty Company. (See Lynch, Elmer R., assignor.)

Allith-Prouty Company. (See Scott, John E., assignor.)

Allman, Henry C., and W. L. Davis, New Philadelphia, Ohio, assignors to American Sheet and Tin Plate Company. Pickling apparatus. 1,850,488; Mar. 22.

Allman, John H., Butler, assignor of one-third to F. J. King, Monaca, and one-third to W. F. Faber, Rochester, Pa. Blade sharpener. Des. 87,452; Aug. 2.

Allmänna Svenska Elektriska Aktiebolaget. (See Dreyfus, Ludwig, assignor.)

Allmanna Svenska Elektriska Aktiebolaget. (See Högel, Lennart, assignor.)

Allmanna Svenska Elektriska Aktiebolaget. (See Petersén, Wilhelm H., assignor.)

Allmanna Svenska Elektriska Aktiebolaget. (See Sterner, Valdimar, assignor.)

Allmänna Svenska Elektriska Aktiebolaget. (See Ytterberg, Arle, assignor.)

All Metal Products Company. (See Brethen, Charles A., assignor.)

All Metal Products Company. (See Decker, Arnold J., assignor.)

All Metal Products Company. (See Rebb, Herman A., assignor.)

Allpax Company, The. (See Walker, Herbert S., assignor.)

Allred, Archie M., High Point, N. C. Drawing instrument. 1,863,091; June 14.

Allsoury, Charles, Alba, Mo. Window or door screen. 1,842,575; Jan. 26.

All-Sol Company. (See Hey, Ernest, assignor.)

Allsop, Thomas, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drier. 1,841,927; Jan. 19.

Allsop, Thomas, Mount Airy, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Apron conveyer. 1,873,865; Aug. 23.

Allsopp, Clifford W. (See Steller, Arthur, assignor.)

All-Steel-Equip Company. (See Carr John E., assignor.)

All-Steel-Equip Company. (See Carr, J. E., and Knell, assignors.)

All-Steel Equip Company. (See Ogle, Elmer L., assignor.)

Allsup, Allen R., assignor of seventy per cent to J. T. Flint, St. Louis, Mo. Washer. 1,849,067; Mar. 15.

Allsworth, Terrence W. (See Ryan, A. W., Tubbs, and Allsworth.)

All-Vue Mirror Co. (See Campbell, Frank X., assignor.)

Allyn, Leon L., assignor to Master-Craft Corporation, Kalamazoo, Mich. Temporary binder. 1,850,783; Mar. 22.

Allyn, Lewis B., Westfield, Mass., assignor to Vitamin Food Co. Inc., New York, N. Y. Evaporation of sea water. 1,865,451; July 5.

Allyn, Robert S., assignor, by direct and mesne assignments, of one-half to Cypress Novelty Corporation, Brooklyn, N. Y., and one-half to N. D. Q. Specialty Corporation. Candle holder machine and process. 1,880,118; Sept. 27.

Allyn, William N., Skaneateles, N. Y. Speculum. 1,849,701; Mar. 15.

Allyne, Edmund E. (See Schickler, Albert C., assignor.)

Allyne, Edmund E., Cleveland, Ohio. Refrigerator. 1,850,527; Mar. 22.

Allyne, Edmund E., Cleveland Heights, Ohio. Absorption refrigerating apparatus. 1,862,646; June 14.

Allyne, Edmund E., Cleveland Heights, Ohio. Absorption refrigerating apparatus. 1,862,647; June 14.

Allyne, Edmund E., Cleveland Heights, and A. C. Schickler, Cleveland, Ohio, assignors to The Allyne Refrigeration Corporation, Cleveland, Ohio. Intermittent absorption refrigerating apparatus. 1,861,075; May 31.

Allyne Refrigerator Corporation, The. (See Allyne, E. E., and Schickler, assignors.)

Alm, Thure W., Stewart Manor, N. Y., assignor to International Cigar Machinery Company. Automatic wrapper feed control for article-enveloping machines. 1,875,974; Sept. 6.

Alm, Thure W., Stewart Manor, N. Y., assignor to International Cigar Machinery Company. Scorch preventing device for heat-seal wrapping machines. 1,875,975; Sept. 6.

Alma, Carl E. (See Alma, Maximilian and C. E.)

Alma, Lydia, administratrix. (See Alma, Maximilian and C. E.)

Alma Manufacturing Company. (See Ford, Malcolm J., assignor.)

Alma Manufacturing Company (See Frank, Leon, assignor.)

Alma Manufacturing Company of Baltimore City. (See Kerigold, Albert H., assignor.)

Alma, Maximilian, deceased, and C. E. Alma, Vienna, Austria; L. Alma, administratrix. Draft gear. 1,855,213; Apr. 26.

Almada, Albert A., Vallejo, Calif. Game device. 1,876,128; Sept. 6.

Almeida, John S., Newman, Calif. Automatic controls for airplanes. 1,851,797; Mar. 29.

Almen, John O. (See Ehrlich, J., and Almen.)

Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Lubricating system. 1,844,454; Feb. 9.

Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic booster mechanism. 1,848,923; Mar. 8.

Almetal Universal Joint Company. (See Peters, Frederick W., assignor.)

Almond, Lester L., North Troy, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Button strip. 1,871,355; Aug. 9.

Almquist, Gus, Perris, Calif. Pipe form stripper. 1,859,191; May 17.

Almquist, John A., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for catalytic gaseous reactions. 1,855,040; Apr. 19.

Almquist, Milton L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling arrangement for telephone systems. 1,862,587; June 14.

Almquist, Milton L., Maplewood, and A. C. Thompson, Mountain Lakes, N. J., assignors to American Telephone and Telegraph Company. Signaling system. 1,885,214; Nov. 1.

Almstedt, Harry J. (See Cox, G. S., and Almstedt.)

Alonso, Fernando Barcaiztegui, Spain, assignor to The Weaving Machines Company Limited, London, England. Rotary loom for the manufacture of textiles of all kinds in the form of tube. 1,850,975; May 31.

Alonso, Guillermo A. (See Oliva, Florentino, assignor.)

Alonso, Peter A., Guadalajara, Mexico. Gauge for ascertaining the lift of compressor air valves. 1,866,000; July 5.

Alox Chemical Corporation. (See Burwell, Arthur W., assignor.)

Alphos Chemical Company. (See Sunstrom, Mark T., assignor.)

Alphonso, Peter R., Seminole, Okla. Valve. 1,856,825; May 3.

Alphonso, Peter R., Seminole, Okla., assignor to The Argent Corporation, Shreveport, La. Boiler cleaner. 1,875,407; Sept. 6.

Alphonso, Peter R., Wewoka, Okla., assignor to The Argent Corporation, Shreveport, La. Boiler skimmer. 1,875,544; Sept. 6.

Alpine Aktien-Gesellschaft Machinenfabrik & Eisengiesserei. (See Gaiser, Otto, assignor.)

Alsaker, Alfred, Chicago. Support.

Alsaker, Alfred, assignor to The Delta-Star Electric Company, Chicago, Ill. Switch. 1,851,271; Mar. 29.

Alsaker, Alfred, assignor to The Delta-Star Electric Company, Chicago, Ill. Bus clamp. 1,867,130; July 12.

Alsaker, Alfred, assignor to The Delta-Star Electric Company, Chicago, Ill. Switch. 1,876,535; Sept. 13.

Alsaker, Alfred, and E. Nordhem, assignors to The Delta-Star Electric Company, Chicago, Ill. Switch. 1,842,707; Jan. 26.

Alsaker, Alfred, W. O. Hampton, and C. A. Koerner, assignors to The Delta-Star Electric Company, Chicago, Ill. Vertical break disconnecting switch. 1,854,441; Apr. 19.

Alsaker, Alfred, and J. Markese, assignors to The Delta-Star Electric Company, Chicago, Ill. Fuse clip. 1,876,536; Sept. 13.

Alsaker, Alfred, and E. Nordhem, assignors to The Delta Star Electric Company, Chicago, Ill. Switch. 1,876,537; Sept. 13.

Alsdorf, George W., Miami Beach, Fla. Producing road paving material. 1,842,139; Jan. 19.

Alsop, Samuel, New York, N. Y. Liquid mixer. 1,860,976; May 31.

Alsop, Samuel, New York, N. Y. Filtering apparatus. 1,870,885; Aug. 9.

Alspaugh, James S., Columbus, Ohio. Gear-shift mechanism. 1,844,550; Feb. 9.

Alstad, George. (See Doering, C., Doering, Alstad, and Skoglund.)

Alsted, Lewis L., Appleton, Wis. Paper pulp and making same. 1,847,326; Mar. 1.

Alston, Thomas H., Pagaso Springs, Colo. Animal trap. 1,884,499; Oct. 25.

Alt, Cornelius A., and R. A. McLean, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Projection screen. 1,836,739; May 3.

Altbuch, Morris, Brooklyn, N. Y. Combined cigarette container and ash-tray. 1,849,416; Mar. 15.

Alten, Victor, Berlin, Germany. Trailer coupling for tractor vehicles. 1,844,140; Feb. 9.

Altenkirch, Edmund, Neuenhagen near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Continuous absorption machine. 1,846,626; Feb. 23.

Altenkirch, Edmund, Neuenhagen, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption apparatus. 1,861,173; May 31.

Altenkirch, Edmund, Neuenhagen, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin Siemensstadt, Germany. Continuous absorption refrigerating system. 1,878,803; Sept. 20.

Altenkirch, Edmund, Neuenhagen, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption machine. 1,887,909; Nov. 15.

Altenkirch, Edmund, Neuenhagen, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption refrigerating machine. 1,887,997; Nov. 15.

Altenkirch, Edmund, Alt-Landsberg-Sud, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Continuous absorption refrigerating apparatus. 1,878,092; Sept. 20.

Alterson, Louis, New York, N. Y. Buckle or clasp. 1,857,889; Apr. 12.

Alterson, Louis, New York, N. Y. Buckle. 1,887,614; Nov. 15.

Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Tractor operated agricultural implement. 1,855,785; Apr. 26.

Altgelt, Herman E., South Bend, Ind., assignor to Oliver Farm Equipment Company. Air cleaner. 1,859,644; May 24.

Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Air cleaner. 1,873,252; Aug. 23.

Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Tractor implement. 1,890,450; Dec. 13.

Altgelt, Rudolph J., and C. Blumberg, South Bend, Ind., assignors to Oliver Farm Equipment Company. Power lift mechanism for plows. 1,873,253; Aug. 23.

Altgelt, Rudolph J., and C. Blumberling, South Bend, Ind., assignors to Oliver Farm Equipment Company. One-way plow. 1,892,199; Dec. 27.

Althaus, Conrad, Belvidere, Ill. Core box. 1,852,635; Apr. 5.

Altheimer, Ben, assignor to M. Altheimer, University City, Mo. Making radiator shields. 1,859,612; May 24.

Altheimer, Myrtle. (See Altheimer, Ben, assignor.)

Althens, Herbert E., Auburndale, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,839,524; Jan. 5.

Althens, Herbert E., Auburndale, assignor to The Reese Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,876,538; Sept. 13.

Alther, Joseph G. (See Dubbs, C. P., and Alther.)

Alther, Joseph G. (See Morrell, J. C., and Alther.)

Altice, George F., assignor to Bendix Brake Company, South Bend, Ind. Tongs. 1,862,326; June 7.

Altieri, Alexander, Philadelphia, Pa. Auxiliary propeller for aircraft. 1,850,060; Mar. 22.

Altieri, Alexander, Philadelphia, Pa. Propeller for aircraft. 1,887,004; Nov. 8.

Altieri, Alexander, Philadelphia, Pa. Safety device for airplanes. 1,889,766; Dec. 6.

Altieri, Alexander, Philadelphia, Pa. Propeller. 1,889,767; Dec. 6.

Altithermo Engineering Company. (See Anderson, John H., assignor.)

Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 1,880,393; Oct. 4.

Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 1,880,394; Oct. 4.

Altmayer, Jean A., surnamed Altmayer-Delaruelle, Paris, France. Device with retarded release. 1,863,092; June 14.

Alton, William H., assignor to The R. T. Vanderbilt Company, Inc., New York, N. Y. Soap dispenser. 1,855,214; Apr. 26.

Altorfer, Alpheus W., Peoria, Ill. Control means for washing machine roll wringer mechanism. 1,868,343; July 19.

Altorfer, Alpheus W., Peoria, Ill. Service table. 1,879,004; Sept. 27.

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Combined casing for a washing machine and centrifugal drier. Des. 86,902; May 10.

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,847,204; Mar. 1.

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Clutch. 1,852,352; Apr. 5.
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Support for washing machines. 1,857,930; May 10.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
Altorfer Bros. Company. (See DeBaugh, Mark A., assignor.)
Altoun, Haroutune, Hastings, England. Device or means for protecting blotting sheets used in blotting pads. 1,854,639; Apr. 19.
Altuna, Pedro, San Sebastian, Spain. Shock-absorbing apparatus for massive wheels. 1,890,442; Dec. 13.
Altvater, Arthur W., St. Louis, Mo. Cutting and marking mechanism. 1,848,863; Mar. 8.
Altvater, Arthur W., St. Louis County, Mo. Ornamenting die. 1,888,024; Nov. 15.
Altvater, Arthur W., University City, Mo. Ornamenting die. 1,885,169; Nov. 1.
Altvater, Arthur W., University City, assignor to Western Supplies Company, St. Louis, Mo. Gauge. 1,890,714; Dec. 13.
Altvater, Arthur W., University City, assignor to Western Supplies Company, St. Louis, Mo. Unitary die assembly. 1,890,715; Dec. 13.
Altvater, Otto L., Milliken, Colo. Safety razor. 1,872,869; Aug. 23.
Altwegg, Jean, Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacturing cellulose acetate. 1,870,980; Aug. 9.
Altwicker, Hubert. (See de Ridder, E., and Altwicker.)
Altz, Arthur J. (See Geistert, A. G., and Altz.)
Aluminum Colors Incorporated. (See Bengston, Helmer, assignor.)
Aluminum Colors Incorporated. (See Gower, Charles H. K., assignor.)
Aluminum Company. (See Varney, Theodore, assignor.)
Aluminum Company of America. (See Archer, R. S., and Edwards, assignors.)
Aluminum Company of America. (See Barnitt, Jesse B., assignor.)
Aluminum Company of America. (See Barnitt, J. B., and Derr, assignors.)
Aluminum Company of America. (See Belding, George A., assignor.)
Aluminum Company of America. (See Benz, William A., assignor.)
Aluminum Company of America. (See Bossert, Theodore W., assignor.)
Aluminum Company of America. (See Bridges, Ralph W., assignor.)
Aluminum Company of America. (See Bungay, George W., assignor.)
Aluminum Company of America. (See Chandler, Edward M., assignor.)
Aluminum Company of America. (See Collins, John W., assignor.)
Aluminum Company of America. (See Churchill, Harry V., assignor.)
Aluminum Company of America. (See Derr, Ralph B., assignor.)
Aluminum Company of America. (See De Vore, Francis E., assignor.)
Aluminum Company of America. (See Dix, Edgar H., jr., assignor.)
Aluminum Company of America. (See Ennor, William T., assignor.)
Aluminum Company of America. (See Frary, Francis C., assignor.)
Aluminum Company of America. (See Gingerich, Earl McK., assignor.)
Aluminum Company of America. (See Guyot, Marius, assignor.)
Aluminum Company of America. (See Heiser, Harold W., assignor.)
Aluminum Company of America. (See Horsfield, Basil T., assignor.)
Aluminum Company of America. (See Horsfield, B. T., Kempf, and Fink, assignors.)
Aluminum Company of America. (See Hurley, Charles P., assignor.)
Aluminum Company of America. (See Kappes, Walter R., assignor.)
Aluminum Company of America. (See Koenigshofer, Victor, assignor.)
Aluminum Company of America. (See Lane, N. B., and Ennor, assignors.)
Aluminum Company of America. (See Lloyd, Charles G., assignor.)
Aluminum Co. of America. (See Moore, George L., assignor.)
Aluminum Company of America. (See Morrow, John E., assignor.)
Aluminum Company of America. (See Norton, Allen B., assignor.)
Aluminum Company of America. (See Pacz, Aladar, assignor.)
Aluminum Company of America. (See Palmer, R. D., and Jeffers, assignors.)
Aluminum Company of America. (See Pritchard, Percy, assignor.)
Aluminum Company of America. (See Rickey, James W., assignor.)
Aluminum Company of America. (See Smith, Earl D., assignor.)
Aluminum Company of America. (See Taylor, C. S., and Edwards, assignors.)
Aluminum Company of America. (See Templin, Richard L., assignor.)
Aluminum Company of America. (See Varney, Theodore, assignor.)
Aluminum Company of America. (See Wagner, Glenn H., assignor.)
Aluminum Company of America. (See Wheeler, Roy L., assignor.)
Aluminum Company of America. (See Willmore, Charles B., assignor.)
Aluminum Company of America. (See Wood, Robert T., assignor.)
Aluminum Cooking Utensil Company, The. (See Guild, Lurelle assignor.)
Aluminum Cooking Utensil Company, The. (See Guild, L., and Matter, assignors.)
Aluminum Cooking Utensil Company, The. (See Hardy, William, assignor.)
Aluminum Cooking Utensil Company, The. (See Matter, J. K., and Towne, assignors.)
Aluminum Cooking Utensil Company, The. (See Towne, Carlton G., assignor.)
Aluminum Cooking Utensil Company, The. (See Wood, Irving W., assignor.)
Aluminum Goods Manufacturing Co. (See Johnson, Lloyd E., assignor.)
Aluminum Goods Manufacturing Company. (See Larsen, Alantser F., assignor.)
Aluminum Screw Machine Products Company. (See Malby, Seth G., assignor.)
Alva Carpet & Rug Company. (See Keys, Jeremiah, assignor.)
Alvarez, Ramon B., New York, N. Y. Bulkhead door. 1,841,774; Jan. 19.
Alvases, Jose G. (See Gonsalves, Abelino, assignor.)
Alvera, Josef, and K. Schofer, Pforzheim, Germany. Apparatus for the production of ornamental chains, so called snake chains. 1,856,940; May 3.
Alverson, James G., assignor to Addison Investment Company, Los Angeles, Calif. Magnetic sound recording system. 1,886,616; Nov. 8.
Alvey, Benjamin H., assignor to Alvey-Fihe Company, Incorporated, Louisville, Ky. Dispensing pump. 1,845,039; Feb. 16.
Alvey, Charles R., New York, N. Y., assignor to Alvey Manufacturing Company, St. Louis, Mo. Conveyer. 1,854,287; Apr. 19.
Alvey-Ferguson Company, The. (See Walter, J. C., and Vogt, assignors.)
Alvey-Fihe Company. (See Alvey, Benjamin H., assignor.)
Alvey Manufacturing Company. (See Alvey, Charles R., assignor.)
Alvey Manufacturing Company. (See Dietz, Frank J., assignor.)
Alvey Manufacturing Company. (See Sankey, Henry C., assignor.)
Alvey, Roy E., Bridgeport, Conn. Micrometric divider. 1,846,524; May 24.
Alvin Corporation, The. (See Staf, Axel H., assignor.)
Alvistur, Oscar, Oakland, Calif. Aeroplane. 1,855,084; Apr. 19.
Alvord, Charles C., Worcester, Mass., assignor to Worcester Loom Works, Worcester County, Mass. Transfer comb. 1,872,023; Aug. 16.
Alvord, Charles C., assignor to Worcester Loom Works, Worcester, Mass. Spool tension spring for tuft frame. 1,851,573; Sept. 13.
Alvord, Charles C., assignor to Worcester Loom Works, Worcester, Mass. Tuft yarn setting frame. 1,877,783; Sept. 20.
Alvord, Clinton, assignor to Worcester Loom Works, Worcester, Mass. Tufted fabric with sized weft. 1,845,778; Feb. 16.
Alvord, Clinton, assignor to Worcester Loom Works, Worcester, Mass. Loom for weaving tufted fabrics. 1,851,477; Mar. 29.
Alvord, Clinton, assignor to Worcester Loom Works, Worcester, Mass. Method of and apparatus for manufacturing tuft yarn frames. 1,851,795; Mar. 29.
Alvord, Earl B., Cleveland Heights, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Insecticide and processes of making same. 1,885,884; Nov. 1.
Alwin, George F., Ripon, Wis. Chicken feeder. 1,882,353; Oct. 11.
Alwood, Archie R., Winfield, Alberta, assignor of one-half to W. Purcell, Cadogan, Alberta, Canada. Automatic power take-off. 1,852,911; Apr. 5.
Amal Limited. (See Brown, C., and Comery, assignors.)
Amalgamated Carburetters, Limited. (See Brown, Clement, assignor.)
Amalgamated Dental Co., Ltd. (See Wannemacher, George P., assignor.)
Amalgamated Roofing Company. (See Maclean, Robert, assignor.)
Aman, Frank A. (See Fischer, Edward J., assignor.)
Amann, John, St. Louis, Mo. Stair structure. 1,870,598; Aug. 9.
Amber Size & Chemical Company Limited, The. (See Rodewald, Gustav, assignor.)

Amberg, Joseph O., East Orange, N. J. Belt buckle. 1,876,196; Sept. 6.
Amberger Flaschenbutten A. G. (See Schneegluth, Karl, assignor.)
Amble, Elmer L., Frost, Minn. Hog holder and release. 1,850,255; Mar. 22.
Ambler Asbestos Shingle & Sheathing Company. (See Acuff, William S., jr., assignor.)
Ambler Asbestos Shingle & Sheathing Company. (See Ledeboer, John W., assignor.)
Ambler Asbestos Shingle & Sheathing Company. (See Mattison, Richard V., assignor.)
Ambrecht, Raimund, Stapleton, N. Y. Attachment for printing presses. 1,855,577; May 24.
Ambros, Otto. (See Walz, E., and Ambros.)
Ambros, Otto, and R. Griessbach, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of rubber from rubber latex. 1,839,191; Jan. 5.
Ambros, Otto, and H. Reichel, Ludwigshafen-on-the-Rhine, and J. Eisele and J. Stoehrel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of unsaturated organic compounds. 1,891,203; Dec. 13.
Ambrosia Chocolate Company. (See Schoenleber, Gretchen B., assignor.)
Ambrosio, Frank, Brooklyn, assignor of one-third to H. Grasser, Long Beach, N. Y. Plastering. 1,853,756; Apr. 12.
Ambrosio, Otto, and H. Reichel, Ludwigshafen-on-the-Rhine, and J. Eisele and J. Stoehrel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of unsaturated organic compounds. 1,891,203; Dec. 13.
Ambrosia Chocolate Company. (See Schoenleber, Gretchen B., assignor.)
Ambrosio, Frank, Brooklyn, assignor of one-third to H. Grasser, Long Beach, N. Y. Plastering. 1,853,756; Apr. 12.
Ambrosio, Alberto, Brooklyn, N. Y. Air balanced aircraft. 1,859,422; May 24.
Amburgy, Marion S., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal heating furnace. 1,868,866; July 26.
Ambursen Construction Company. (See Burroughs, Edgar H., assignor.)
Ambursen Construction Company. (See Davis, Calvin V., assignor.)
Ambursen Construction Company. (See Noetzli, Fred A., assignor.)
Ambursen Construction Company. (See Stewart, Spencer W., assignor.)
Ambye, Anthon, assignor to Davis & Furber Machine Company, Andover, Mass. Spindle drive for spinning frames. 1,843,109; Jan. 26.
Ameo Company. (See Morton, William A., assignor.)
Amco, Incorporated. (See Geer, Paul L., assignor.)
Amco, Incorporated. (See Morton, William A., assignor.)
Amco, Incorporated. (See Morton, W. A., and Geer, assignors.)
Amelotte, Joseph, Lynn, Mass. Sanitary toothbrush holder. 1,866,001; July 5.
Amend, Joseph A. (See Joy, W. P., Amend, and Frauenfelder.)
Amend, Otto P., New York, N. Y., assignor to Elmer & Amend, New York, N. Y. Therapeutic iodine solution. 1,841,241; Jan. 12, 1932.
Ament, Lucy C., New York, N. Y., now by judicial change of name, L. C. Thomas. Container. 1,865,063; June 28.
Ament, Robert S., Jr. (See Bjorn, Aleth, assignor.)
American Agricultural Chemical Company. (See Milligan, C. H., and Klosky, assignors.)
American Agricultural Chemical Company The. (See Sebastian, Robert L., assignor.)
American Air Filter Company. (See Fedeler, John H., assignor.)
American Air Filter Company. (See Goodloe, Alfred M., assignor.)
American Air Filter Company. (See Hegan, Chester P., assignor.)
American Air Filter Company. (See Jordahl, Anders, assignor.)
American Air Filter Company. (See Strindberg, Richard, assignor.)
American Aluminum Ware Co. (See Brucker, Henry, assignor.)
American Anode, Inc. (See Forrer, Max, assignor.)
American Anode, Inc. (See Howard, Henry C., assignor.)
American Anode, Inc. (See Klein, P., Szegvári, McKay, Hayes, and Trobridge, assignors.)
American Anode, Inc. (See Newton, Edwin B., assignor.)
American Anode, Inc. (See Sheppard, S. E., and Beal, assignors.)
American Anode Incorporated. (See Sprunger, Vernon J., assignor.)
American Anode, Incorporated. (See Willshaw, H., Gorham, and Lee, assignors.)
American Aquaplane Co., The. (See Batt, Jacob G., assignor.)
American Arch Company. (See Willett, Alfred A., assignor.)
American Art Metal Works, Inc. (See Hartmann, John, assignor.)
American Art Works, Inc. (See Gayle, Dabney G., assignor.)
American Assembling Machine Company. (See Kleinberg, Paul E., assignor.)
American Atmas Corporation. (See Luchs, F. M., and Koehler, assignors.)
American Bank Note Company. (See Aitchison, Peter, assignor.)
American Bank Note Company. (See Cary, Alexander C., 3d, assignor.)
American Bank Note Company. (See Marquardt, Frank C., assignor.)
American Bank Note Company. (See Webster, Albert S., assignor.)
American Bemberg Corporation. (See Bauriedel, G., and Hartmann, assignors.)
American Bemberg Corporation. (See Hartmann, August, assignor.)
American Bemberg Corporation. (See Kempf, Hubert, assignor.)
American Bemberg Corporation. (See Zart, A., Hartmann, and Hoelkeskamp, assignors.)
American Bemberg Corporation. (See zur Löwen, Waldemar, assignor.)
American Bicheroux Company, The. (See Bicheroux, Max, assignor.)
American Bicheroux Company, The. (See Dorsey, Vernon M., assignor.)
American Bicheroux Company, The. (See Fincke, Michael, assignor.)
American Bicheroux Company, The. (See Gentil, Eugene, assignor.)
American Bicheroux Company, The. (See Spiekermann, Wilhelm, assignor.)
American Bicheroux Company, The. (See von Reis, Lambert, assignor.)
American Bitumuls Company. (See McKesson, Claude L., assignor.)
American Bitumuls Company. (See Thompson, Lyndon G., assignor.)
American Bicheroux Company, The. (See von Reis, Lambert, assignor.)
American Bleached Goods Company. (See Adam, William F., assignor.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Blower Corporation. (See Morse, Clark T., assignor.)
American Blower Corporation. (See Morse, C. T., and Hogan, assignors.)
American Blower Corporation. (See Pfeffer, Henry W., assignor.)
American Bosch Corporation. (See Graesser, Carl F., assignor.)
American Bosch Magneto Corporation. (See Curtis, Leslie F., assignor.)
American Bosch Magneto Corporation. (See Lang, G. J., and Martin, assignors.)
American Bosch Magneto Corporation. (See Martin, John F., assignor.)
American Bosch Magneto Corporation. (See Mayer, Carl A., assignor.)
American Bosch Magneto Corporation. (See Schwarzman, Wolfgang E., assignor.)
American Bottlers of Carbonated Beverages. (See Buchanan, J. H., and Toulouse, assignors.)
American Brake Materials Corporation. (See Alley, John D., assignor.)
American Brake Materials Corporation. (See Bender, William, assignor.)
American Brake Materials Corporation. (See Blume, William A., assignor.)
American Brake Materials Corporation. (See Brackett, Tracy F., assignor.)
American Brake Materials Corporation. (See Gillies, Hugh, assignor.)
American Brake Materials Corporation. (See Smith, Harry N., assignor.)
American Brake Materials Corporation. (See Thompson, James S., assignor.)
American Brake Shoe and Foundry Company, The. (See Alley, John D., assignor.)
American Brake Shoe & Foundry Company, The. (See Bronson, Albert, assignor.)
American Brake Shoe and Foundry Company. (See Poe, Fred M., assignor.)
American Brake Shoe & Foundry Company, The. (See Pogue, Robert B., assignor.)
American Brake Shoe and Foundry Company, The. (See Prentice, Allan L., assignor.)
American Brake Shoe and Foundry Company, The. (See Sargent, Fitz W., assignor.)
American Brake Shoe and Foundry Company, The. (See Trainer, Maurice N., assignor.)
American Brass Company, The. (See Bassett, William H., jr., assignor.)
American Brass Company, The. (See Bradley, John C., assignor.)
American Brass Company. (See Coe, James R., assignor.)
American Brass Company, The. (See Coe, James R., assignor.)
American Brass Company, The. (See Damon, John C., assignor.)
American Brass Company, The. (See Hook, Ira T., assignor.)
American Brass Company, The. (See Jennison, Herbert C., assignor.)
American Brass Company, The. (See Webert, Louis P., assignor.)
American Brass Company, The. (See Westerman, George F., assignor.)
American Briquet Company. (See Wolf, Clayton S., assignor.)

American Buckle Company, The. (See Hodge, Robert J., assignor.)
American Buckle Company, The. (See Salisbury, Jessup, assignor.)
American Button & Fastener Co. (See Latham, Albert, assignor.)
American Cabinet Hardware Corporation. (See Aldeen, Gedor W., assignor.)
American Cabinet Hardware Corporation. (See Aldeen, R. A., and Erickson, assignors.)
American Cable Company. (See Burd, Gorman C., assignor.)
American Cable Company. (See Frank, Peter, assignor.)
American Can Company. (See Balletti, John C., assignor.)
American Can Company. (See Block, William I., assignor.)
American Can Company. (See Butler, William F., assignor.)
American Can Company. (See Cereghino, Joseph, assignor.)
American Can Company. (See Dister, Fred P., assignor.)
American Can Company. (See Dister, Joseph, assignor.)
American Can Company. (See Doyle, George W., assignor.)
American Can Company. (See Dygert, Howard E., assignor.)
American Can Company. (See Gerhardt, Leonard, assignor.)
American Can Company. (See Gray, James A., assignor.)
American Can Company. (See Gray, J. A., and Strickler, assignors.)
American Can Company. (See Hathersall, John M., assignor.)
American Can Company. (See Heald, Matthew L., assignor.)
American Can Company. (See Hermani, Henry, assignor.)
American Can Company. (See Hogan, Harry S., assignor.)
American Can Company. (See Holloway, Joseph C., assignor.)
American Can Company. (See Holloway, William M., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Jeneson, George R., assignor.)
American Can Company. (See Jones, Lyman L., assignor.)
American Can Company. (See Lord, William R., assignor.)
American Can Company. (See MacKenzie, Duncan R., assignor.)
American Can Company. (See McConkie, J. E., and Lueck, assignors.)
American Can Company. (See Meyers, Walter R., assignor.)
American Can Company. (See Miller, George F., assignor.)
American Can Company. (See Nicholls, Henry M., assignor.)
American Can Company. (See Odquist, Victor, assignor.)
American Can Company. (See Paynter, Horace J., assignor.)
American Can Company. (See Pechy, William, assignor.)
American Can Company. (See Peters, John F., assignor.)
American Can Company. (See Stollberg, Charles, assignor.)
American Can Company. (See Strickler, John C., assignor.)
American Can Company. (See Tevander, Swan N., assignor.)
American Can Company. (See Thornburgh, Ivan D., assignor.)
American Can Company. (See Tolcik, John A., assignor.)
American Can Company. (See Walter, George F., assignor.)
American Can Company. (See Widell, Magnus E., assignor.)
American Can Company. (See Young, John M., assignor.)
American Car and Foundry Motors Company. (See Aflague, Manuel, assignor.)
American Car and Foundry Company. (See Bisset, W. J., and Sheffer, assignors.)
American Car and Foundry Company. (See Christiansen, John, assignor.)
American Car and Foundry Company. (See Clarke, Allen W., assignor.)
American Car and Foundry Company. (See Clarke, A. W., and Griffin, assignors.)
American Car and Foundry Company. (See Dendler, Ralph E., assignor.)
American Car & Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Elder, T. W., Jr., and Kessler, assignors.)
American Car and Foundry Company. (See Gibbs, Frederick H., assignor.)
American Car and Foundry Company. (See Griffin, William, assignor.)
American Car and Foundry Company. (See Johnson, W. V., and Kepner, assignors.)
American Car and Foundry Company. (See Kaseberg, Theodore, assignor.)
American Car and Foundry Company. (See Knight, John M., assignor.)
American Car and Foundry Company. (See Mayer, William J., assignor.)
American Car and Foundry Company. (See McBride, John J., assignor.)
American Car and Foundry Company. (See Thompson, John B. D., assignor.)
American Car and Foundry Company. (See Walp, Charles F., assignor.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Car and Foundry Company. (See Wood, Joseph L., assignor.)
American Car and Foundry Motors Company. (See Hall, Elbert J., assignor.)
American Cast Iron Pipe Company. (See Moore, James W., assignor.)
American Casting and Manufacturing Corporation. (See Dietze, Emil, assignor.)
American Cement Paint Company. (See Moross, William R. D., assignor.)
American Chain Company. (See Andren, L., and Patterson, assignors.)
American Chain Company. (See Delano, Howard A., assignor.)
American Chain Company. (See Reyburn, John R., assignor.)
American Chain Company, Inc. (See Hall, Preston M., assignor.)
American Chain Company, Inc. (See Reyburn, John R., assignor.)
American Chair Company. (See Butzen, John J., assignor.)
American Character Doll Co. (See Schaeffer, Edward G., assignor.)
American Chemical Company. (See Berlin, Frederick A., assignor.)
American Chemical Paint Company. (See Gravell, James H., assignor.)
American Chemical Paint Company. (See Saukaitis, Albert J., assignor.)
American Chicle Company. (See Geller, Leon W., assignor.)
American Chicle Company. (See Gordon, Marcus A., assignor.)
American Cigar Company. (See Maxwell, Charles G., assignor.)
American Cigar Company. (See Rosenbluth, Joseph, assignor.)
American Cigar Company. (See Schneider, B. R., and Kaiser, assignors.)
American Circular Loom Company. (See Lutz, George A., assignor.)
American Circular Loom Company, Inc. (See Lutz, George A., assignor.)
American Coach & Body Co., The. (See Larsen, Neil P., assignor.)
American Coal Cleaning Corporation. (See Oppy, Alwyn G., assignor.)
American Concrete Pipe Company. (See Halstead, Joseph L., assignor.)
American Concrete and Steel Pipe Company. (See Grant, Floyd N., assignor.)
American Container Corporation. (See Chamberlain, Rufus N., assignor.)
American Cotton Picker Corporation. (See Willett, W. R., and Brown, assignors.)
American Crayon Company, The. (See Allendorf, Hugo A., assignor.)
American Crayon Company. (See Cooney, Frank B., assignor.)
American Crayon Company, The. (See Cooney, F. B., and Spore, assignors.)
American Creosoting Company. (See Cook, Jesse C., assignor.)
American Cuptor Corporation. (See Pettit, K. D., Wicks, and Hajek, assignors.)
American Cyanamid Company. (See Barsky, George, assignor.)
American Cyanamid Company. (See Barsky, G., and Heuser, assignors.)
American Cyanamid Company. (See Bradley, Theodore F., assignor.)
American Cyanamid Company. (See Buchanan, Guy H., assignor.)
American Cyanamid Company. (See Christmann, Ludwig J., assignor.)
American Cyanamid Company. (See Christmann, L. J., and Falconer, assignors.)
American Cyanamid Company. (See Christmann, L. J., and Jayne, assignors.)
American Cyanamid Company. (See Christmann, L. J., and Walker, assignors.)
American Cyanamid Company. (See Clark, Cyril B., assignor.)
American Cyanamid Company. (See Collins, Charles D., assignor.)
American Cyanamid Company. (See Cooper, Kenneth F., assignor.)
American Cyanamid Company. (See Cox, George E., assignor.)
American Cyanamid Company. (See Falconer, S. A., and Christmann, assignors.)
American Cyanamid Company. (See Falter, Philip H., assignor.)
American Cyanamid Company. (See Heuser, Ralph V., assignor.)

American Cyanamid Company. (See Kemmer, Frank R., assignor.)
American Cyanamid Company. (See Martin, Rhetherford E., assignor.)
American Cyanamid Company. (See Romieux, Charles J., assignor.)
American Cyanamid Company. (See Romieux, C. J., and Christmann, assignors.)
American Cyanamid Company. (See Swainson, S. J., and Anderson, assignors.)
American Cyanamid Company. (See Williams, Audley O., assignor.)
American Dairy Supply Company, The. (See Compton, Harry L., assignor.)
American Debenture Corporation. (See Fairchild, Charles N., assignor.)
American Desk Company. (See Ash, Elmer E., assignor.)
American District Steam Company. (See Hall, Robert, assignor.)
American District Telegraph Company. (See Hopkins, R. M., and McIntosh, assignors.)
American Doucil Company. (See Hilditch, T. P., and Wheaton, assignors.)
American Electric Furnace Company. (See Hanson, Albert J., assignor.)
American Electric Fusion Corporation. (See Von Henke, Edmund J., assignor.)
American Electric Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Electric Heating Company. (See Gannon, J. E., and Winter, assignors.)
American Electric Motor Company. (See Daun, C. L., and Keller, assignors.)
American Electrical Company. (See Mason, William K., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Electrical Heater Company. (See Lockwood, Erwin A., assignor.)
American Encaustic Tiling Company. (See McCoy, William, assignor.)
American Encaustic Tiling Company. (See Prouty, Theodore C. and W. O., assignors.)
American Encaustic Tiling Company. (See Schreiber, Armin L., assignor.)
American Encaustic Tiling Company. (See Solon, Paul H., assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Engineering Company. (See Busfield, William, jr., assignor.)
American Engineering Company. (See Harrison, Clifford E.)
American Engineering Company. (See Koons, Charles V., assignor.)
American Engineering Company. (See Lamond, Robert C., assignor.)
American Engineering Company. (See Peck, Herbert A., assignor.)
American Engineering Company. (See Preston, Herbert E., assignor.)
American Engineering Company. (See Smith, George E., assignor.)
American Engineering Company. (See Weingartner, Anthony E., assignor.)
American Engineering Company. (See Wheeler, Edward, assignor.)
American Engineering Corporation. (See Nixon, Jeddy D., assignor.)
American Enka Corporation. (See Moritz, Adrian J. L., assignor.)
American Equipment Company. (See Sullivan, William J., assignor.)
American Exchange National Bank of St. Louis, The. (See Baumann, A., and Horlacher, assignors.)
American Fabrics Company, The. (See Aemisegger, Jean, assignor.)
American Fabrics Company. (See Briggs, Arthur J., assignor.)
American Fabrics Company, The. (See Juestrich, Max U., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Face Brick Research Corporation. (See Hathaway, W., and Wyatt, assignors.)
American Face Brick Research Corporation. (See Lee, Sherman Q., assignor.)
American Face Brick Research Corporation. (See Lee, S. Q., and Harbeck, assignors.)
American Face Brick Research Corporation. (See Slidell, Kemper, assignor.)
American Face Brick Research Corporation. (See Slidell, K., and Lee, assignors.)
American Face Brick Research Corporation. (See Storey, Oliver W., assignor.)
American Face Brick Research Corporation. (See Willson, Clarence A., assignor.)
American Face Brick Research Corporation. (See Wyatt, Edwin M., assignor.)
American Face Brick Research Corporation. (See Wyatt, E. M., and Slidell, assignors.)
American Face Brick Research Corporation. (See Wyatt, E. M., and Weiss, assignors.)
American Farm Machinery Company. (See Loomis, Allen E., assignor.)
American Fibre Corporation. (See Nordstrom, Gustaf E., assignor.)
American Fibre Corporation. (See Nordstrom, Gustav E., assignor.)
American Fibre Corporation. (See Nordstrom, G. E., and Millett, assignors.)
American Fire Prevention Bureau. (See Derby, John H., assignor.)
American Fire Prevention Bureau. (See Derby, J. H., and Leach, assignors.)
American Flange & Manufacturing Company. (See Sample, Fleck W., assignor.)
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Fluid Motors Company. (See Cannon, Earl, assignor.)
American Fluid Motors Company. (See Landenberger, Henry W., assignor.)
American Fluid Motors Company. (See Landenberger, H. W., and Link, assignors.)
American Flyer Mfg. Co. (See Becker, Harry S., assignor.)
American Flyer Mfg. Co. (See Boisselier, Earl D., assignor.)
American Flyer Mfg. Co. (See Cuff, James E., assignor.)
American Forging & Socket Co. (See Saunders, W. S., and Martindell, assignors.)
American Fork & Hoe Company. (See Cassady, James L., assignor.)
American Fork & Hoe Company, The. (See Cowdery, Robert H., assignor.)
American Fork & Hoe Company, The. (See Dennis, Charles, assignor.)
American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
American Fork & Hoe Company, The. (See Horstman, John H., assignor.)
American Fork & Hoe Company, The. (See Morgan, Robert, assignor.)
American Fork & Hoe Company, The. (See Schilpp, Charles F., assignor.)
American Fork & Hoe Company, The. (See Wright, Carl, assignor.)
American Foundry Equipment Company, The. (See Peik, Harris D., assignor.)
American Freight Service, Inc. (See Perin, Donald W., assignor.)
American Gasaccumulator Company. (See Bergquist, John A., assignor.)
American Gas-Accumulator Company. (See Eskilson, Evert A., assignor.)
American Gasaccumulator Company. (See Luce, Richard W., assignor.)
American Gasaccumulator Company. (See Oestnaes, V. L., and Luce, assignors.)
American Gas-accumulator Company. (See Oestnaes, V. L., Luce, and Merrill, assignors.)
American Gasaccumulator Company. (See Persson, Anders, assignor.)
American Gasaccumulator Company. (See Stell, Edmund.)
American Gas Construction Company. (See Thayer, Paul W., assignor.)
American Gas Furnace Company. (See Hornbruch, Frederick W., assignor.)
American Gas Furnace Co. (See Schwab, Gustav W., assignor.)
American Gas Machine Company. (See Hanson, Hans C., assignor.)
American Glanzstoff Corportion. (See Bitter, J. L., and Elssner, assignors.)
American Glanzstoff Corporation. (See Elssner, Richard, assignor.)
American Glanzstoff Corporation. (See Elssner, R., and Carter, assignors.)
American Glanzstoff Corporation. (See Erlanger, Arthur L., and Wadewitz, assignors.)
American Glanzstoff Corporation. (See Etzkorn, Rudolf, assignor.)
American Glanzstoff Corporation. (See Gollong, Richard, assignor.)
American Glanzstoff Corporation. (See Gollong, R. J., and Carter, assignors.)
American Glanzstoff Corporation. (See Herrmann, Conrad, assignor.)
American Glanzstoff Corporation. (See Schaefer, K. T., and Bitter, assignors.)
American Glanzstoff Corporation. (See Schulz, Walter, assignor.)
American Glanzstoff Corporation. (See Stöckly, J. J., and Bartunek, assignors.)
American Glanzstoff Corporation. (See Stöckly, J. J., and Witte, assignors.)
American Glanzstoff Corporation. (See Stoeckly, J. J., and Witte, assignors.)
American Glanzstoff Corporation. (See Wadewitz, Martin, assignor.)
American Gypsum Co., The. (See New, Gustave A., assignor.)
American Gypsum Co., The. (See Taylor, Roy J., assignor.)

American Hair & Felt Company. (See Bettison, Percy R., assignor.)
American Hair & Felt Company. (See Johnson, Reginald H., assignor.)
American Hair & Felt Company. (See Phillips, Robert S., assignor.)
American Hair & Felt Company. (See Simpson, Tracy W., assignor.)
American Hammered Piston Ring Company, The. (See Justice, William N., assignor.)
American Hammered Piston Ring Company, The. (See Koetter, Emil A., assignor.)
American Hammered Piston Ring Company. (See Morton, Allen W., assignor.)
American Hammered Piston Ring Company, The. (See Morton, A. W., and Stead, assignors.)
American Hammered Piston Ring Company. (See Petre, Alexander F., assignor.)
American Hard Rubber Company. (See Welda, Harry, assignor.)
American Hardware Corporation, The. (See Moore, Wallace F., assignor.)
American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
American Hardware Corporation, The. (See Teich, Ernest L., assignor.)
American Hardware Corporation, The. (See Thomas, Charles H., assignor.)
American Hardware Corporation, The. (See Vile, Norman J., assignor.)
American Hat Co. Inc., The. (See Overton, George S., assignor.)
American Heating Company. (See Hamilton, George H., assignor.)
American Hoist Corporation. (See Mather, Oscar, assignor.)
American Incubators, Inc. (See Pavelec, W., and Baker, assignors.)
American Injector Company. (See Souder, V. G., and Trik, assignors.)
American Iron & Machine Works Company. (See Hembree, assignor.)
American Iron and Machine Works Company. (See Myracle, Hobart M., assignor.)
American Ironing Machine Company. (See Peter, E. C., Schuknecht, and Schnoor, assignors.)
American Lace Machinery Company, The. (See Hucknall, Haze W., assignor.)
American Lace Paper Company. (See Huff, Ernest, assignor.)
American La France and Foamite Corporation. (See Boutface, Addison O., assignor.)
American-LaFrance and Foamite Corporation. (See Gilbert, Victor G. W., assignor.)
American La France and Foamite Corporation. (See Harris, Jesse H., assignor.)
American La France and Foamite Corporation. (See Orton, Albert W., assignor.)
American La France and Foamite Corporation. (See Rolle, Walter R., assignor.)
American La France and Foamite Corporation. (See Walker, Hubert, assignor.)
American Laundry Machinery Company, The. (See Balzer, Fred, assignor.)
American Laundry Machinery Company. The. (See Balzer, Fred, assignor.)
American Laundry Machinery Company. (See Carroll, Emil J., assignor.)
American Laundry Machinery Company. (See Hanney, Angus F., assignor.)
American Laundry Machinery Company, The. (See Pauly, Robert C., assignor.)
American Laundry Machinery Company, The. (See Perry, Emanuel J., assignor.)
American Laundry Machinery Company, The. (See Pierce, Harry, assignor.)
American Laundry Machinery Company, The. (See Reeps, Charles O., assignor.)
American Laundry Machinery Company. The. (See Reese, L. V., and Johnson, assignors.)
American Laundry Machinery Company, The. (See Samuels, Russell R., assignor.)
American Laundry Machinery Company, The. (See Singiser, John P., assignor.)
American Laundry Machinery Company. (See Vermilya, James N., assignor.)
American Laundry Machinery Company, The. (See Wareham, Charles E., assignor.)
American Laundry Machinery Company. (See West, Granville H., assignor.)
American Lead Pencil Company. (See Leibold, F., and Gilland, assignors.)
American Lecithin Corporation. (See Sollmann, Everette L., assignor.)
American Lime and Stone Company. (See Keller, Charles W., assignor.)
American Liquid Meter Company. (See Bassler, Carlos J., assignor.)
American Lithographic Company. (See Burgess, Joseph E., assignor.)
American Lithographic Company. (See Phelps, Erastus R., assignor.)
American Lurgi Corporation. (See Bailleul, Gustav, assignor.)
American Lurgi Corporation. (See Baron von Girsewald, C., Weidmann, and Roesner, assignors.)
American Lurgi Corporation. (See Burkhardt, Arthur, assignor.)
American Lurgi Corporation. (See Fraenkel, Walter, assignor.)
American Lurgi Corporation. (See Gensecke, Wilhelm, assignor.)
American Lurgi Corporatoon. (See Klencke, Hans, assignor.)
American Lurgi Corporation. (See Kohlmeyer, Justus, assignor.)
American Lurgi Corporation. (See Maschmeyer, Hermann, assignor.)
American Lurgi Corporation. (See Neumark, M., Weidmann, and Roesner, assignors.)
American Lurgi Corporation. (See Pantenburg, Vitalis, assignor.)
American Lurgi Corporation. (See Schiechel, Maximilian, assignor.)
American Lurgi Corporation. (See von Forster, Hermann, assignor.)
American Lurgi Corporation. (See von Girsewald, C., Siecke, and Thieler, assignors.)
American Lurgi Corporation. (See v. Girsewald, C. F., and Weidmann, assignors.)
American Lurgi Corporation. (See von Girsewald, C., Weidmann, and Roesner, assignors.)
American Lurgi Corporation. (See Wefelscheid, Paul, assignor.)
American Lurgi Corporation. (See Wittenberg, Herbert, assignor.)
American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
American Machine & Foundry Company. (See Bronander, W. B., Nejedly, and Thiel, assignors.)
American Machine & Foundry Company. (See Cooper, William E., assignor.)
American Machine & Foundry Company. (See Diederichs, Paul O., assignor.)
American Machine & Foundry Company. (See Gladeck, F. C., and Warren, assignors.)
American Machine & Foundry Company. (See Gwinn, George W., assignor.)
American Machine & Foundry Company. (See Gwinn, G. W., and Arelt, assignors.)
American Machine & Foundry Company. (See Hawkins, Wilford J., assignor.)
American Machine & Foundry Company. (See Hawkins, W. J., and Wieser, assignors.)
American Machine & Foundry Company. (See Jensen, Thormod, assignor.)
American Machine & Foundry Company. (See Leary, James W., assignor.)
American Machine & Foundry Company. (See McAllister, David, assignor.)
American Machine & Foundry Company. (See Patterson, Morehead, assignor.)
American Machine & Foundry Company. (See Podmore, Arthur, assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Machine & Foundry Company. (See Schmitt, Frank R., assignor.)
American Machine & Foundry Company. (See Smith, Elbeck D., assignor.)
American Machine & Foundry Company. (See Stein, J. A., and MacDonald, assignors.)
American Machine & Foundry Company. (See Wellman, Charles P., assignor.)
American Machine & Foundry Company. (See Wickman, Samuel A., assignor.)
American Machine & Foundry Company. (See Wiener, Alfred E., assignor.)
American Machine and Metals, Inc. (See Henry, Ferdinand G., assignor.)
American Magnesium Corporation. (See Wood, Robert T., assignor.)
American Magnesium Corporation. (See Wood, R. T., and Block, assignors.)
American Magnesium Metals Corporation. (See Norton, Raymond J., assignor.)
American Magnesium Metals Corporation. (See Wetherill, John P., 3d, assignor.)
American Maize Products Company. (See Daly, Raymond E., assignor.)
American Maize Products Company. (See Woxvold, Einar, assignor.)
American Manganese Bronze Company. (See Samms, Horace, assignor.)
American Manganese Steel Company. (See Clark, John O., assignor.)
American Manganese Steel Company. (See Daniels, Arthur W., assignor.)
American Manganese Steel Company. (See Fahrenwald, Frank A., assignor.)
American Manganese Steel Company. (See Meyer, Daniel H., assignor.)
American Manganese Steel Company. (See Rorabeck, Claude, assignor.)
American Manganese Steel Company. (See Young, Donald H., assignor.)
American Manufacturing Company. (See Brown, Robert B., assignor.)

American Merri-Lei Corporation. (See Hoeflich, Victor T., assignor.)
American Metal Company. (See Burkey, H. M., and Cole, assignors.)
American Metal Company. (See Kern, Edward F., assignor.)
American Metal Company. (See Ogden, Daniel L., assignor.)
American Metal Company, Limited, The. (See Weinig, Arthur J., assignor.)
American Metal Products Company et al. (See Matthael, F. C., and Shanahan, assignors.)
American Meter Company. (See Diehl, John C., assignor.)
American Meter Company. (See Kaiser, William H., assignor.)
American Mills Company, The. (See Vacher, John, assignor.)
American Mine Door Company, The. (See Gurney, Albert J., assignor.)
American Model Form Co. (See Stevenson, Fred, assignor.)
American Moistening Company. (See Armstrong, Joseph, assignor.)
American Moistening Company. (See Loepsinger, Albert J., assignor.)
American Monorail Company, The. (See Harris, Frank C., assignor.)
American Multigraph Co. (See Allen, William R., assignor.)
American Multigraph Co. (See Chisholm, Clifton, assignor.)
American Multigraph Co. (See Chisholm. C., and Colquhoun, assignors.)
American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)
American-National Company, The. (See Schibrowski, Paul M., assignor.)
American-National Company, The. (See Snell, Samuel A., assignor.)
American New Fashion Silverware Corporation. (See Marano, Anthony, assignor.)
American Nicoton Corporation. (See Hutcheson, Ray R., assignor.)
American Oil Company, The. (See Wakefield, Arthur T., assignor.)
American Oil Pump & Tank Co., The. (See Dourson, Louis A., assignor.)
American Olympic Association. (See Graves, George W., assignor.)
American Optical Company. (See Allen, Clile C., assignor.)
American Optical Company. (See Baker, Nelson M., assignor.)
American Optical Company. (See Desmond, D., and Baker, assignors.)
American Optical Company. (See Gagnon, Louis L., assignor.)
American Optical Company. (See Glancy, Anna E., assignor.)
American Optical Company. (See Hill, Harry W., assignor.)
American Optical Company. (See Laabs, Max, assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Optical Company. (See Simonds, Royal H., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Optical Company. (See Stimson, R. L., and Boutelle, assignors.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Optical Company. (See Tillyer, E. D., and Baker, assignors.)
American Optical Company. (See Tillyer, E. D., Forshey, and Hoff, assignors.)
American Optical Company. (See Tillyer, E. D., and Pond, assignors.)
American Optical Company. (See Tully, George L., assignor.)
American Optical Company. (See Wrighton, William J., assignor.)
American Ore Reclamation Company. (See Klugh, Bethune G., assignor.)
American Ore Reclamation Company. (See Shallock, E. W., assignor.)
American Ore Reclamation Company. (See Swinehart, George E., assignor.)
American Orythermic Corporation. (See Fränkl, Mathias, assignor.)
American Ozone Company. (See Daily, James M., assignor.)
American Paper Bottle Company, The. (See Van Wormer, John R., assignor.)
American Paper Goods Company, The. (See Haywood, Harry H., assignor.)
American Pearl Button Company. (See Knott, Harry H., assignor.)
American Piano Corporation. (See Hickman, Clarence N., assignor.)
American Platinum Works. (See Ledig, Kurt K., assignor.)
American Potash & Chemical Corporation. (See Allen, W. H., MacDonald, and Gale, assignors.)
American Potash & Chemical Corporation. (See Chesny, Heinz H., assignor.)
American Potash & Chemical Corporation. (See Gale, W. A., and Ritchie, assignors.)
American Potash & Chemical Corporation. (See Ritchie, C. F., and Gale.)
American Propeller Company, The. (See Havill, Clinton H., assignor.)
American Propeller Company. (See Heath, Spencer, assignor.)
American Propeller Company. (See Semmes, Harry H., assignor.)
American Pulley Company, The. (See Bowen, Russell H., assignor.)
American Pulley Company, The. (See Munoz, Gonzalo C., assignor.)
American Pulley Company, The. (See Watson, David M., assignor.)
American Pulley Company, The. (See Watson, D. M., and Munoz, assignors.)
American Pulverizer Company. (See Elzemeyer, E. E., and Griesedieck, assignors.)
American Radiator Company. (See Abrahamson, Oscar E. J., assignor.)
American Radiator Company. (See Brabbée, Charles W., assignor.)
American Radiator Company. (See Brabée, C. W., and Goerg, assignors.)
American Radiator Company. (See Douglas, Malcolm K., assignor.)
American Radiator Company. (See Duffield, George B., assignor.)
American Radiator Company. (See Eggleston, Lewis W., assignor.)
American Radiator Company. (See Maier, George M., assignor.)
American Radiator Company. (See Meloche, Daniel H., assignor.)
American Radiator Company. (See Mertzanoff, André M., assignor.)
American Radiator Company. (See Schwendler, R. H., and Mehling, assignors.)
American Radiator Company. (See Seward, Percival H., assignor.)
American Radiator Company. (See Sjoden, Eric, assignor.)
American Radiator & Standard Sanitary Corporation. (See Bennett, Irving T., assignor.)
American Radiator & Standard Sanitary Corporation. (See Bennett, I. T., and Reynolds, assignors.)
American Radiator & Standard Sanitary Corporation. (See Murray, Thomas E., assignor.)
American Radiator & Standard Sanitary Corporation. (See Murray, Thomas E., jr., assignor.)
American Radiator & Standard Sanitary Corporation. (See Murray, T. E., jr., and Reynolds, assignors.)
American Radiator & Standard Sanitary Corporation. (See Phelps, George H., assignor.)
American Radiator & Standard Sanitary Corporation. (See Reynolds, Frank C., assignor.)
American Reenforced Paper Company. (See Anderson, Elmer T., assignor.)
American Reenforced Paper Company. (See Anderson, Herbert, assignor.)
American Reenforced Paper Company. (See Eldred, Merritt G., assignor.)
American Reenforced Paper Company. (See Gibbs, George E., assignor.)
American Reenforced Paper Company. (See Moore, Henry D., assignor.)
American Reenforced Paper Company. (See Weber, Lester N., assignor.)
American Road Machinery Company. (See Brown, E. C., and Schmidt, assignors.)
American Rolling Mill Company, The. (See Amburgy, Marion S., assignor.)
American Rolling Mill Company, The. (See Brislin, Leo F., assignor.)
American Rolling Mill Company, The. (See Gifford, Carl E., assignor.)
American Rolling Mill Company. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company. (See Huntsberger, Russell C., assignor.)
American Rolling Mill Company, The. (See Kronborg, K., and Hursh, assignors.)
American Rolling Mill Company. (See McCutcheon, K. C., assignor.)
American Rolling Mill Company, The. (See Moon, Alva H., assignor.)
American Rolling Mill Company, The. (See Murphy, A. F., and Jones, assignors.)
American Rolling Mill Company, The. (See Reeve, George A., assignor.)
American Rolling Mill Company, The. (See Ryan, A. W., Tubbs, and Ailsworth, assignors.)
American Rolling Mill Company, The. (See Smith, R. R., Songer, and Salender, assignors.)
American Rolling Mill Company, The. (See Spaulding, Arch W., assignor.)
American Rolling Mill Company, The. (See Tytus, John B., assignor.)

American Rolling Mill Company, The. (See Williams, Fred L., assignor.)
American Rolling Mill Company. (See Wilson, Joseph A., assignor.)
American Rolling Screen Company. (See Rupprecht, Edgar F., assignor.)
American Rubber Company. (See Williamson, Stanley J., assignor.)
American Safety Device Co. (See Davidson, Frederic A., assignor.)
American Safety Device Co. (See Geer, Hobart S., assignor.)
American Safety Headlight Corporation. (See Fortney, Brauddus B., assignor.)
American Safety Razor Corporation. (See Behrman, Marcus B., assignor.)
American Safety Razor Corporation, The. (See Dalkowitz, Godfrey, assignor.)
American Safety Razor Corporation. (See Zeller, Isaiah N., assignor.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Sales Book Company. (See Caton, William D., assignor.)
American Sales Book Company. (See Hagemann, Louis F., assignor.)
American Sales Book Company. (See Johnston, Clarence L., assignor.)
American Sales Book Company. (See Pringle, William A., assignor.)
American Sales Book Company. (See Wiswall, William J., assignor.)
American Sales Book Company, Limited. (See Bottle, Edward K., assignor.)
American Sealcone Corporation. (See Jones, Ellis L., assignor.)
American Sealcone Corporation. (See Seifert, John O., assignor.)
American Sealcone Corporation. (See Winton, Lewis B., assignor.)
American Seating Company. (See Blakeslee, Fred J., assignor.)
American Seating Company. (See Hanson, Walter M., assignor.)
American Seating Company. (See Merrill, Ralph K., assignor.)
American Seating Company. (See Morgan, Erving B., assignor.)
American Seating Company. (See Nuberg, Matthys, assignor.)
American Seating Company. (See Vandervoort, Milford T., assignor.)
American Sheet and Tin Plate Company. (See Allman, H. C., and Davis, assignors.)
American Sheet and Tin Plate Company. (See Beach, L. L., and Wright, assignors.)
American Sheet and Tin Plate Company. (See Buccicone, Dario, assignor.)
American Sheet and Tin Plate Company. (See Buccicone, D., and Peterson, assignors.)
American Sheet and Tin Plate Company. (See Landon, Lee B., assignor.)
American Sheet and Tin Plate Company. (See McElhaney, James R., assignor.)
American Sheet and Tin Plate Company. (See McIlvried, H. G., and Weed, assignors.)
American Sheet and Tin Plate Company. (See Moore, Carl E., assignor.)
American Sheet and Tin Plate Company. (See Moore, E. E., McGranahan, and Warrender, assignors.)
American Sheet and Tin Plate Company. (See Taylor, Irvin R., assignor.)
American Sheet and Tin Plate Company. (See Whetzel, Joshua C., assignor.)
American Ship Building Company, The. (See Cross, Albert W., assignor.)
American Slicing Machine Company. (See Campbell, William J., assignor.)
American Slicing Machine Company. (See Lucey, Patrick J., assignor.)
American Slicing Machine Company. (See Wolff, Wallace E., assignor.)
American Smelting & Refining Company. (See Betterton, Jesse O., assignor.)
American Smelting & Refining Company. (See Burt, C. C., and Anderson, assignors.)
American Smelting and Refining Company. (See Gonser, Bruce W., assignor.)
American Smelting and Refining Company. (See Greene, Gerald U., assignor.)
American Smelting and Refining Company. (See Gross, W. F., and Sapirstein, assignors.)
American Smelting and Refining Company. (See Hughes, S., and Teats, assignors.)
American Smelting & Refining Company. (See Lennox, L. W., and Wildman, assignors.)
American Smelting & Refining Company. (See Moore, Ralph S., assignor.)
American Smelting and Refining Company. (See Palmer, Sidney L., assignor.)
American Smelting and Refining Company. (See Slagle, Edgar A., assignor.)
American Smelting and Refining Company. (See Teats, Roscoe, assignor.)
American Smelting and Refining Company. (See Teats, R., and Hughes, assignors.)
American Smelting & Refining Company. (See Wagstaff, Richard A., assignor.)
American Solvents and Chemical Corporation, The. (See Crowell, R. B., and Ebe, assignors.)
American Stay Company. (See Luitwieler, Edward B., assignor.)
American Stay Company. (See Merrick, Frank W., assignor.)
American Steam Pump Company. (See Barton, Ben D., assignor.)
American Steel Chase Co. (See Keenan, J. D., and Figge, assignors.)
American Steel Foundries. (See Blakeslee, Jerome K., assignor.)
American Steel Foundries. (See Hahn, Ferdinand W., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Steel Foundries. (See Lorenz, Frederick A., jr., assignor.)
American Steel Foundries. (See Mitchell, Ormah R., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Steel Foundries. (See Street, Clement F., assignor.)
American Steel Package Company, The. (See Behringer, Grover F., assignor.)
American Steel Products Co. (See Spiker, Wilber L., assignor.)
American Steel and Wire Company, The. (See Peterson, Carl H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Davies, David, assignor.)
American Steel and Wire Company of New Jersey, The. (See Gregory, Henry, assignor.)
American Steel and Wire Company of New Jersey, The. (See Hoeftmann, A. O., McNamee, and Morrison, assignors.)
American Steel and Wire Company of New Jersey, The. (See Howe, James F., assignor.)
American Steel and Wire Company of New Jersey, The. (See Johnson, H. D., and O'Hare, assignors.)
American Steel and Wire Company of New Jersey, The. (See Skinner, Marion Chester, assignor.)
American Steel and Wire Company of New Jersey, The. (See Thomas, Edward, assignor.)
American Stove Company. (See Brodbeck, Almer H., assignor.)
American Stove Company. (See Kirby, Walter E., assignor.)
American Stove Company. (See Stockstrom, Arthur, assignor.)
American Stove Company. (See Stockstrom, A., and Brodbeck, assignors.)
American Sundries Co. Inc. (See Lawner, Nicholas, assignor.)
American Swiss Company, The. (See Grund, Fletcher D., assignor.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Swiss File & Tool Co. (See Reichheim, Paul F., assignor.)
American Tar Products Company. (See Hyde, Elmer H., assignor.)
American Tar Products Company. (See Rhodes, E. O., and Hager, assignors.)
American Telephone and Telegraph Company. (See Abraham, L. G., and Staples, assignors.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Affel, H. A., and Green, assignors.)
American Telephone and Telegraph Company. (See Alm quist, Milton L., assignor.)
American Telephone and Telegraph Company. (See Almquist, M. L., and Thompson, assignors.)
American Telephone and Telegraph Company. (See Anderson, C. N., Taylor, and Wright, assignors.)
American Telephone and Telegraph Company. (See Bailey, Austin, assignor.)
American Telephone and Telegraph Company. (See Bailey, R. S., Newby, and Moody, assignors.)
American Telephone and Telegraph Company. (See Barrows, Leon D.)
American Telephone and Telegraph Company. (See Barstow, John M., assignor.)
American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
American Telephone and Telegraph Company. (See Bascom, H. M., and Nelson, assignors.)
American Telephone and Telegraph Company. (See Best, Fred H., assignor.)
American Telephone and Telegraph Company. (See Bickelhaupt, Carroll O., assignor.)
American Telephone and Telegraph Company. (See Bickelhaupt, C. O., and Penuel, assignors.)
American Telephone and Telegraph Company. (See Bollinger, Howard M., assignor.)

American Telephone and Telegraph Company. (See Boose, Harry B., assignor.)
American Telephone and Telegraph Company. (See Bostwick, Leo E., assignor.)
American Telephone and Telegraph Company. (See Brand, Smart, assignor.)
American Telephone and Telegraph Company. (See Brand, S., and Mertz, assignors.)
American Telephone and Telegraph Company. (See Carpe, Allen, assignor.)
American Telephone and Telegraph Company. (See Cash, Claude C., assignor.)
American Telephone and Telegraph Company. (See Chapman, Arthur C., assignor.)
American Telephone and Telegraph Company. (See Chapman, A. C., and McCurdy, assignors.)
American Telephone and Telegraph Company. (See Coolidge, Oliver H., assignor.)
American Telephone and Telegraph Company. (See Cordman, Roy C., assignor.)
American Telephone and Telegraph Company. (See Cory, Samuel L., assignor.)
American Telephone and Telegraph Company. (See Cowan, Frank A., assignor.)
American Telephone and Telegraph Company. (See Demarest, Charles F., assignor.)
American Telephone and Telegraph Company. (See Dietze, Eginhard, assignor.)
American Telephone and Telegraph Company. (See Dorff, L. A., and Sandalls, assignors.)
American Telephone and Telegraph Company. (See Dutton, Thomas D., assignor.)
American Telephone and Telegraph Company. (See Edwards, Paul G., assignor.)
American Telephone and Telegraph Company. (See Edwards, P. G., and Henneberger, assignors.)
American Telephone and Telegraph Company. (See Edwards, Lillian H., assignor.)
American Telephone and Telegraph Company. (See Espenschied, L. and Fetter, assignors.)
American Telephone and Telegraph Company. (See Ferris, Livingston P., assignor.)
American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
American Telephone and Telegraph Company. (See Fisher, Donald, assignor.)
American Telephone and Telegraph Company. (See Gaunett, Danforth K., assignor.)
American Telephone and Telegraph Company. (See Garber, L. A. Hall, and Blackwood, assignors.)
American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
American Telephone and Telegraph Company. (See Haines, Wilfred C., assignor.)
American Telephone and Telegraph Company. (See Hamilton, Baxter P., assignor.)
American Telephone and Telegraph Company. (See Hamilton, B. P., and Rea, assignors.)
American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)
American Telephone and Telegraph Company. (See Hanley, Frank H., assignor.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Herman J., Taylor, and Wright, assignors.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Holden, W. H. T., and Bonell, assignors.)
American Telephone and Telegraph Company. (See Hollmann, Hans B., assignor.)
American Telephone and Telegraph Company, et al. (See Hunt, A. E., assignor, and Lang.)
American Telephone and Telegraph Company. (See Hunter, R. N., and Stover, assignors.)
American Telephone and Telegraph Company. (See Inglis, A. B., Gorham, and Lee, assignors.)
American Telephone and Telegraph Company. (See Jessen, George J., assignor.)
American Telephone and Telegraph Company. (See Kellems, Edgar E., assignor.)
American Telephone and Telegraph Company. (See Kent, Robert G., assignor.)
American Telephone and Telegraph Company. (See Kittredge, Linus E., assignor.)
American Telephone and Telegraph Company. (See Kline, William E., assignor.)
American Telephone and Telegraph Company. (See Koenig, Walter, jr., assignor.)
American Telephone and Telegraph Company. (See Laubaugh, James M., assignor.)
American Telephone and Telegraph Company. (See Lane, Jasper G., assignor.)
American Telephone and Telegraph Company. (See Lindsay, Russell H., assignor.)
American Telephone and Telegraph Company. (See Livermore, William T., assignor.)
American Telephone and Telegraph Company. (See Martin, De Loss G., assignor.)
American Telephone and Telegraph Company. (See Matte, Andrew L., assignor.)
American Telephone and Telegraph Company. (See McCann, Thomas A., assignor.)
American Telephone and Telegraph Company. (See McCurdy, Ralph G., assignor.)
American Telephone and Telegraph Company. (See McDavitt, Marcellus B., assignor.)
American Telephone and Telegraph Company. (See Mitchell, Doren, assignor.)
American Telephone and Telegraph Company. (See Nelson, Stanley F., assignor.)
American Telephone and Telegraph Company. (See Niles, E. W., and Edwards, assignors.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Ohl, Russell S., assignor.)
American Telephone & Telegraph Company. (See Oswald, Arthur A., assignor.)
American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)
American Telephone and Telegraph Company. (See Peterson, George H., assignor.)
American Telephone and Telegraph Company. (See Phelps, Henry E., assignor.)
American Telephone and Telegraph Company. (See Pierce, Ralph E., assignor.)
American Telephone and Telegraph Company. (See Pitts, F. B., Garlinger, and Smith, assignors.)
American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
American Telephone and Telegraph Company. (See Ratta, James A., assignor.)
American Telephone and Telegraph Company. (See Rea, Alton T., assignor.)
American Telephone and Telegraph Company. (See Reynolds, Frederick W., assignor.)
American Telephone and Telegraph Company. (See Rhodes, William A., assignor.)
American Telephone and Telegraph Company. (See Roberts, Leland C., assignor.)
American Telephone and Telegraph Company. (See Scheppmann, Wilhelm, assignor.)
American Telephone and Telegraph Company. (See Schimming, Harold H., assignor.)
American Telephone and Telegraph Company. (See Schramm, Fred W., assignor.)
American Telephone and Telegraph Company. (See Shackleton, Samuel P., assignor.)
American Telephone & Telegraph Company. (See Shackelford, William J., assignor.)
American Telephone and Telegraph Company. (See Shanck, Roy B., assignor.)
American Telephone and Telegraph Company. (See Singer, Fred J., assignor.)
American Telephone and Telegraph Company. (See Singer, F. J., and Gardner, assignors.)
American Telephone and Telegraph Company. (See Smith, T. C., Freeman, and Livermore, assignors.)
American Telephone and Telegraph Company. (See Smith, T. C., and Livermore, assignors.)
American Telephone and Telegraph Company. (See Smith, T. C., and Spowart, assignors.)
American Telephone and Telegraph Company. (See Stevens, Walter A., assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K, assignor.)
American Telephone and Telegraph Company. (See Thorp, Vaughn P., assignor.)
American Telephone and Telegraph Company. (See Vernam, Gilbert S., assignor.)
American Telephone and Telegraph Company. (See Vernam, G. S., Watson, and Perry, assignors.)
American Telephone and Telegraph Company. (See Wagner, Richard, jr., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Telephone and Telegraph Company. (See Watson, E. F., and Hunt, assignors.)
American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
American Telephone and Telegraph Company. (See Weaver, A., and Branson, assignors.)
American Telephone and Telegraph Company. (See Welch, Paul V., assignor.)
American Telephone and Telegraph Company. (See Wilson, Leon T., assignor.)
American Telephone and Telegraph Company. (See Wintringham, William T., assignor.)
American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
American Temperature Indicating Company, The. (See Kuhlman, Carl H., assignor.)
American Temperature Indicating Company, The. (See Baker, W. A., and Kuhlman, assignor.)
American Temperature Indicating Company, The. (See Kuhlman, Carl H., assignor.)
American Thermos Bottle Company, The. (See Ball, George E., assignor.)
American Thermos Bottle Company, The. (See Schlumbohm, Peter, assignor.)
American Thermos Bottle Company, The. (See Wetmore, Miner P., assignor.)
American Thread Company, The. (See Baker, Dickerson G., assignor.)
American Throttle Company. (See Marble, Jarvis C., assignor.)

American Throttle Company. (See McKee, Neal T., assignor.)
American Throttle Company. (See Williams, Arthur, assignor.)
American Throttle Company, Inc. (See Pippy, George F., assignor.)
American Tile Fixture Company. (See Doven, Joseph F., assignor.)
American Tobacco Company, The. (See Chesley, Almond L., assignor.)
American Tobacco Company, The. (See Maxwell, Charles G., assignor.)
American Tobacco Company, The. (See Penn, Charles A., assignor.)
American Tobacco Company, The. (See Schneider, B. R., and Kaiser, assignors.)
American Tobacco Company, The, et al. (See Weisner, Robert L., assignor.)
American Tool and Machine Company. (See Williams, Frank L., assignor.)
American Tool Works Company, The. (See Hoelscher, William G., assignor.)
American Tool Works Company, The. (See Hoelscher, W. G., and Williamson, assignors.)
American Tool Works Company, The. (See Robinson, Albert E., assignor.)
American Tool Works, The. (See Robinson, A. E., and Black, assignors.)
American Tool Works Company. (See Robinson, A. E., and Schellenbach, assignors.)
American Tool Works Company, The. (See Schellenbach, William L., assignor.)
American Tractor Equipment Co. (See Kroyer, C. H., and Farish, Clarence.)
American Tractor Equipment Company. (See Maloon, Earl B., assignor.)
American Tractor Equipment Co. (See McMillan, Wesley K., assignor.)
American Trust Co., trustee. (See Roberts, George H., assignor.)
American Tube and Cap Corporation. (See Kalb, Walther, assignor.)
American Tubular Elevator Company. (See Schiller, Morgan B., assignor.)
American Valve and Enameling Corporation. (See Wulf, Charles A., assignor.)
American Valve and Meter Company, The. (See Gilbert, William L., assignor.)
American Valve and Meter Company, The. (See Gray, Wallace M., assignor.)
American Voith Contact Company. (See Lang, Richard T., assignor.)
American Voith Contact Company. (See Schmitthenner, Carlos, assignor.)
American Water Softener Company. (See Waugh, Harvey C., assignor.)
American Welding Company. (See Rowland, Charles L., assignor.)
American Well Works, The. (See Sperry, John B., assignor.)
American Wilderman Porous Ebonite Company, The. (See Wilderman, Mendel, assignor.)
American Window Glass Company. (See Pierce, L. J., and Bishop, assignors.)
American Window Shade Machine Company. (See Colpitts, Calvin N., assignor.)
American Window Shade Machine Co. Inc. (See Mathewson, Wilfred, assignor.)
American Wire Fence Company. (See Young, C. A., and Zook, assignors.)
American Woodlite Corporation. (See Pagendarm, John F., assignor.)
American Woolen Company. (See Jealous, Madeleine C., assignor.)
American Wringer Co. (See Keltie, George R., assignor.)
Amersil Company, Inc. (See Johnson, Clyde R., assignor.)
Ames, Alton J., Woodstock, Me. Turning tool for wood turning lathes. 1,860,376; May 31.
Ames, B. C., Co. (See Edson, William R., assignor.)
Ames, Butler, Lowell, Mass. Cosmetic compact. 1,842,242; Jan. 26.
Ames, Butler, assignor to Heinze Electric Company, Lowell, Mass. Windshield wiper. 1,840,007; Jan. 5.
Ames, Caroline F. (See Ames, Elmer U., assignor.)
Ames, Caroline F. (See Ames, E. U., and Horrocks.)
Ames, Elmer E., and J. F. Munger, Rochester, N. Y. Process of and mechanism for making neckties. 1,839,855: Jan. 5.
Ames, Elmer U., deceased, Collingswood, N. J., Camden Safe Deposit and Trust Co., executor, Camden, N. J., and E. S. Horrocks, Philadelphia, Pa.; Camden Safe Deposit and Trust Co., assignor to C. F. Ames. Rib knitted fabric and making the same. 1,858,814; May 17.
Ames, Elmer U., deceased, Collingswood, by The Camden Safe Deposit and Trust Company, executor, Camden, assignor to Caroline F. Ames, Haddonfield, N. J. Knitting machine. 1,687,644; July 19.
Ames, Fletcher, Palo Alto, assignor to Ames Harris Neville Co., San Francisco, Calif. Tent support. 1,843,312; Feb. 2.
Ames, George P., Springfield, Mass. Can opening machine. 1,845,213; Feb. 16.
Ames Harris Neville Co. (See Ames, Fletcher, assignor.)
Ames, James G., Aurora, Ill. Combination gas fixture. 1,882,703; Oct. 18.
Ames, James W., Montclair, N. J. Apparatus for utilizing waste and scrap metal in the production of commercial bars. 1,847,857; Mar. 1.
Ames, Lewis G., assignor to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,858,029; May 10.
Ames, Malcolm H. (See Avis, S. W., and Ames.)
Ames Pump Company. (See Frederick, Rheuel H., assignor.)
Ames, Shirley L., Newtonville, Mass., assignor to Chem-Electric Engineering Corporation. Production of dry sugar. 1,840,075; Jan. 5.
Ames Transfer Company. (See Stover, G., Ames, and Carroll, assignors.)
Amesbury Brass & Foundry Company. (See Yeaton, Lester G., assignor.)
Amico, Joseph, Rochester, N. Y. Shoe press. 1,847,995; Mar. 1.
Amico, Sebastiano, Pittston, Pa. Cover or protector for vehicles and the like. 1,849,738; Mar. 15.
Amiesite Asphalt Company of America. (See Hepburn, Donald M., assignor.)
Amiesite Asphalt Company of America. (See Hepburn, D. McK., Sadtler, and Cayo, assignors.)
Amiesite Asphalt Company of America. (See Sadtler, Samuel S., assignor.)
Amiet, Oskar, La-Chaux-de-Fonds, Switzerland. Machine and method for automatically fixing the hooks on the bands for zip fasteners. 1,858,254; May 17, 22.
Amieva, Manuel M., jr., assignor to W. P. Fuller & Co., San Francisco, Calif. Producing phthalic anhydride resins. 1,875,408; Sept. 6.
Amity Leather Products Co. (See Rolfs, Harry J., assignor.)
Amity Leather Products Co. (See Wege, John P., assignor.)
Ammen, Irvin G., Yonkers, assignor to International Agricultural Corporation, New York, N. Y. Treating trisodium phosphate crystals. 1,883,447; Oct. 18.
Ammen, William W., Chestnut Hill, assignor to David Lupton's Sons Company, Philadelphia, Pa. Window guard. 1,854,153; Apr. 12.
Ammerman, William B., Scotia, Nebr. Multiple fuse plug. 1,848,924; Mar. 8.
Ammidon and Company. (See Momberger, William G., assignor.)
Ammirati, David, and C. Baldi, Prato, Tuscany, Italy. System for reducing shocks. 1,891,340; Dec. 20.
Ammon, Charles D., Lincoln, Nebr. Combination hammer and cutter for hammer mills. 1,871,489; Aug. 16.
Amor, Manuel A., Lisbon, Portugal. Educational appliance. 1,857,009; May 3.
Amoroso, Nicholas, Providence, R. I. Knife handle construction. 1,862,642; June 14.
Amort, Paul. (See Goehler, E. E., and Amort.)
Amos, John A., assignor to The Fyle-National Company, Chicago, Ill. Electric switch. 1,854,919; Apr. 19.
Amos, Louis A., assignor to Annin & Co., New York, N. Y. Edge binding and tie string for flags or the like. 1,854,012; Apr. 12.
Amoss, Walter, Buffalo, N. Y., assignor to Structural Gypsum Corporation, Linden, N. J. Calcium gypsum. 1,863,318; June 14.
Amphibions, Inc. (See Leaman, Thomas P., assignor.)
Amrein Freudenberg Co, Inc. (See Freudenberg, Ernest W., assignor.)
Amrhein, Franz, San Jose, Costa Rica. Quick releasable key. 1,852,950; Apr. 5.
Amsler, Alfred J., Schaffhausen, Switzerland. Universal testing machine. 1,895,070; June 28.
Amsler, Walter O., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for conducting molten glass. 1,845,824; Feb. 16.
Amsler, Walter O., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for melting glass. 1,859,510; Nov. 29.
Amsler, Walter O., assignor to Hartford-Empire Company, Hartford, Conn. Rotary glass melting furnace. 1,889,511; Nov. 29.
Amsler, Walter O., Toledo, Ohio, assignor to Simplex Engineering Company, Washington, Pa. Glass drawing. 1,865,811; July 5.
Amsler, Walter O., Toledo, Ohio, assignor to Hartford-Empire Company, Hartford, Conn. Rotary tank. 1,889,509; Nov. 29.
Amsler, Walter O., Toledo, Ohio, assignor to P. R. Caruthers, trustee, Glenshaw, Pa. Treating metal. 1,890,485; Dec. 13.
Amsler, Walter O., Toledo, Ohio, assignor to Simplex Engineering Company, Washington, Pa. Apparatus for grinding and polishing glass. 1,892,326; Dec. 27.
Amusement Machine Corporation. (See Miner, G. H., assignor.)
Amy, Aceves & King, Inc. (See Lyford, Elmore B., assignor.)
Amyot, Pierre U. J., assignor to Les Fils De Virgile Amyot, Les Gras, Doubs, France. Chuck. 1,885,790; Nov. 1.
Anaconda Copper Mining Company. (See Antisell, F. L., and Mullineaux, assignors.)
Anaconda Copper Mining Co. (See Gardiner, Henry C., assignor.)

Anaconda Copper Mining Company. (See Mitchell, Willard E., assignor.)
Anaconda Copper Mining Company. (See Wensley, A. G., and Jackson, assignors.)
Anaconda Lead Products Company. (See Johnson, G. E., Bowman, and Knox, assignors.)
Anaconda Sales Company. (See Levy, Solomon, assignor.)
Anaconda Sales Company. (See Macan, Harry C., assignor.)
Anaconda Sales Company. (See Shakespeare, William M., assignor.)
Anaconda Sales Company. (See Yates, C. E., and Macan, Harry C.)
Anaconda Wire & Cable Company. (See Bassett, W. H., jr., and Leach, assignors.)
Anaconda Wire and Cable Company. (See Kennedy, Joseph A., assignor.)
Anaconda Wire and Cable Company. (See Lorenz, Leo, assignor.)
Anberg, Knute, Oakland, Calif. Corn picker. 1,849,132; Mar. 15.
Anchor Cap & Closure Corporation. (See Hammer, Charles, assignor.)
Anchor Cap & Closure Corporation. (See Hardiman, James S., assignor.)
Anchor Cap & Closure Corporation. (See Holland, Norman N., assignor.)
Anchor Cap & Closure Corporation. (See Mullen, George W., assignor.)
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anchor Cap & Closure Corporation. (See Scofield, Edgar, assignor.)
Anchor Cap & Closure Corporation. (See Smith, James S. B., assignor.)
Anchor Cap & Closure Corporation. (See Von Till, Louis A., assignor.)
Anchor Fireproofing Company. (See Martin, Charles A., assignor.)
Anchor Packing Company, The. (See Walton, Julian N., assignor.)
Anciens Etablissements Barbier, Benard & Turenne, Societe Anonyme. (See Benard, Henri L. M. J., assignor.)
Anciens Etablissements R. Corney & Co., Société Anonyme. (See Ollendorff, Jacques, assignor.)
Ancolex Limited. (See Edwards, H., Parker, and Arnot, assignors.)
Ancot, Emanuel, Zwickau, assignor to the Firm Wieden Carbidwerke Freyung mit beschränkter Haftung, Freyung, Bavaria, Germany. Synthetic spinel. 1,852,007; Apr. 5.
Andale Company. (See Jenkins, James M., assignor.)
Andelin, Emanuel Wilhelm Gustaf, Björknas, assignor to Piiskia Forcit-Dynamit Aktiebolaget, Hango, Finland. Apparatus for wrapping cartridges, etc. 1,862,170; June 7.
Anderas, Walter. (See Straub, F., and Anderau.)
Anderau, Walter. (See Straub, F., Anderau, and Mayer.)
Anderau, Walter. (See Straub, F., Mayer, and Anderau.)
Anderberg, Anders and E. A., assignors to Carl Holmbergs Mekaniska Verkstads Aktiebolag, Lund, Sweden. Compressed air brake for obtaining a variable braking effect. 1,878,993; Sept. 27.
Anderberg, Erik A. (See Anderberg, Anders and E. A.)
Anderberg, Oscar T., Mason City, Iowa. Tile. 1,854,324; Apr. 19.
Anderegg, Dan L., Fredericksburg, Tex. Cattle guard gate. 1,854,093; Apr. 12.
Anderegg, Edward W., Algoma, Wis. Folding combination bathtub and dressing table. 1,859,240; Nov. 29.
Anders, Gladys C. (See Anders, William E., assignor.)
Anders, Guido, Berlin-Steglitz, assignor to Allgemeine Elektricitäts Gesellschaft, Berlin, N. W., Germany. Radioreceiver. 1,861,203; May 31.
Anders, William E., West Asheville, N. C., assignor of two-fifths to G. C. Anders, Miami, Fla. Spring shackle. 1,867,486; July 12.
Andersen, Andrew C. (See Field, H. C., and Andersen.)
Andersen, Andrew C. (See Simpson, E. G., Cronwall, Andersen, and Field.)
Andersen, Arne. (See Malm, C. J., and Andersen.)
Andersen, August; H. Andersen, administrator of said A. Andersen, deceased, assignor to F. Andersen, Des Moines, Iowa. Marble gun game apparatus. 1,862,877; June 14.
Andersen, Carl A. J., Salt Lake City, Utah. Beet blocker. 1,859,919; June 21.
Andersen, Earl B., Salinas, Calif. Ventable primable spark plug. 1,866,385; July 5.
Andersen Frame Corporation. (See Andersen, F. C., and Swanson, assignors.)
Andersen, Fred C. (See Rowland, J. B., and Andersen.)
Andersen, Fred C., Bayport, Minn. Window frame. 1,858,145; May 10.
Andersen, Fred C., assignor to Andersen Lumber Company, Bayport, Minn. Window and door frame. 1,879,005; Sept. 27.
Andersen, Fred C., Bayport, and E. C. Swanson, Stillwater, assignors to Andersen Frame Corporation, Bayport, Minn. Window and door frame. 1,876,546; Sept. 13.
Andersen, Frederick E. (See Decker, B. H., and Andersen.)
Andersen Lumber Company. (See Andersen, Fred C., assignor.)
Andersen, Nils P. E., Elm Grove, Wis., and M. B. Bradley, Cleveland, Ohio, assignors to Harnischfeger Corporation, Milwaukee, Wis. Grapple. 1,882,704; Oct. 18.
Andersen, Peder. (See Andersen, August, assignor.)
Anderson, A. A., et al. (See Howes, Raymond T., assignor.)
Anderson, Adolph, La Grange, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Manual support for portable tools. 1,882,705; Oct. 18.
Anderson, Albert E., Grandview, Mo. Stove. 1,875,545; Sept. 6.
Anderson, Albert & J. M., Manufacturing Company. (See Sundberg, Carl E., assignor.)
Anderson, Alexander, Fullerton, Calif. Apparatus and method of taking core samples of rock in bore holes. 1,864,115; June 21.
Anderson, Alexander G., Whiteland, Ind. Static and interference eliminator control unit for guard-drain circuits. 1,864,832; June 28.
Anderson, Alf E., Milford, Mass. Sealed solenoid coil. 1,844,626; Feb. 9.
Anderson, Alfred W., Oak Park, Ill. Suture supporting and attaching plate. 1,852,098; Apr. 5.
Anderson, Alma K., administratrix. (See Anderson, Sievert T.)
Anderson, Alvin W., Freeport, Ill. Power dipper trip. 1,845,779; Feb. 16.
Anderson, Andrew J. (See Albers, J. W., and Anderson.)
Anderson, Andrew P., Brooklyn, assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 1,871,354; Aug. 9.
Anderson, Arnold A., Peoria, Ill. Adjustable tray support. 1,877,784; Sept. 20.
Anderson, Arthur W., assignor to The Borg & Beck Company, Chicago, Ill. Driven plate. 1,882,706; Oct. 18.
Anderson, Arthur W., assignor to The Borg & Beck Company, Chicago, Ill. Driven plate. 1,882,707; Oct. 18.
Anderson, Arvid E. (See Swainson, S. J., and Anderson.)
Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. System of electric distribution. 1,871,401; Aug. 9.
Anderson, August, deceased, Ida Anderson, administratrix of said August Anderson, Shoshoni, Wyo. Tension device. 1,868,558; July 26.
Anderson, August F., assignor to Anderson-Rees Refrigerating Machine Co., Chicago, Ill. Refrigerating machine. 1,889,341; Nov. 29.
Anderson, Augustus E., Buffalo, N. Y. Brick and brick work for hot blast stoves and the like. 1,840,554; Jan. 12.
Anderson, Axel S. (See Affleck, G. S., and Anderson.)
Anderson, Axel V., Beacon, assignor to New York Rubber Corporation, New York, N. Y. Inflatable boat. 1,891,491; Dec. 20.
Anderson, Axel V., Beacon, assignor to New York Rubber Corporation, New York, N. Y. Inflatable or pneumatic boat. 1,891,492; Dec. 20.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, Bert J. (See Lyons, G. E., and Anderson.)
Anderson, C. F., as trustee. (See Van Allen, Clark E. E., assignor.)
Anderson, Calvin M., Columbus, Ohio. Fishing rod construction. Re18,365; Mar. 1.
Anderson, Carl A., Chicago, Ill., assignor to General Can Company. Air extracting and can closing machine. 1,855,786; Apr. 26.
Anderson, Carl A., Chicago, Ill., assignor to General Can Company. Can. 1,856,941; May 3.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Manufacturing Co., Bloomfield, N. J. Reel. 1,844,494; Feb. 9.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Manufacturing Co., Bloomfield, N. J. Slide. 1,866,694; July 12.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Display rack. 1,871,294; Aug. 9.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Manufacturing Co., Bloomfield, N. J. Slide. 1,876,383; Sept. 6.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Cigarette case. 1,882,708; Oct. 18.
Anderson, Carl E., East Orange, and C. E. Peterson, Upper Montclair, assignors to Eastern Tool & Mfg. Co., Bloomfield, N. J. Clip. 1,868,867; July 26.
Anderson, Carl F., Brookfield, and R. W. Janda, assignors to Conlon Corporation, Cicero, Ill. Ironing machine. 1,852,395; Apr. 12.
Anderson, Carl G., Bellwood, Ill. Road maintenance machine. 1,865,812; July 5.
Anderson, Carl J., Chicago, Ill. Emergency switch. 1,869,330; July 26.
Anderson, Carl J., Chicago, Ill. Handle lock for car switches. 1,875,546; Sept. 6.
Anderson, Carl J., assignor of fifty-one and two-thirds per cent to E. Borg, and fifteen per cent to C. U. Johanson, Chicago, Ill. Grinding machine. 1,875,547; Sept. 6.
Anderson, Carl W. (See Umont, William, assignor.)

Anderson, Carlton, Chicago, Ill., assignor, by mesne assignments, to G. Reinke, trustee for the estate of W. T. Kirk, deceased. O. E. Barber, Carlton Anderson, and Williams, Bradbury, McCaleb & Hinkle. Spring installation tool. 1,889,167; Nov. 29.

Anderson, Charles A., Seattle, Wash. Spray gun. 1,861,996; June 7.

Anderson, Charles H., Chicago, Ill. Damper control mechanism. 1,872,213; Aug. 16.

Anderson, Charles M., Kenosha, Wis. Leak-detector valve and attaching fitting. 1,845,786; Feb. 16.

Anderson, Charles T., Huntington Beach, Calif. Valve. 1,855,539; Apr. 26.

Anderson, Charles W., Milan, Ohio. Lamp ray regulator. 1,852,278; Apr. 5.

Anderson, Charlie W. (See Larson, A. F., and Anderson.)

Anderson, Christ, assignor of one-half to E. H. Webber and C. O. Bay, Ontonagon, Mich. Coasting device. 1,851,963; Apr. 5.

Anderson, Christine M., Cincinnati, Ohio. Mop. 1,850,046; Mar. 15.

Anderson, Christopher J. (See Hersch, W. M., and Anderson.)

Anderson, Church, Los Angeles, Calif. Check protector for pocket check books. 1,865,071; June 28.

Anderson, Clarence A., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Intercommunicating system. 1,840,687; Jan. 12.

Anderson, Clarence A., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Resistance measuring apparatus. 1,859,860; May 24.

Anderson, Clarence A., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Resistance measuring apparatus. 1,877,216; Sept. 13.

Anderson, Clifford N., E. R. Taylor, New York, N. Y., and S. B. Wright, Orange, N. J., assignors to American Telephone and Telegraph Company. Radio telephone system. 1,891,299; Dec. 20.

Anderson Company, The. (See Slough, Frank M., assignor.)

Anderson Co., The. (See Smulski, Theodore J., assignor.)

Anderson, D. V., Company, The. (See Zies, Carl W., assignor.)

Anderson, David E., St. Paul, Minn. Frog point. 1,847,205; Mar. 1.

Anderson, David L., assignor to Bohn Aluminum and Brass Corporation, Detroit, Mich. Connecting rod. 1,847,742; Mar. 1.

Anderson, Edgar, assignor, by mesne assignments, to The Oberphos Company, Baltimore, Md. Preparing phosphatic fertilizer. 1,869,952; Aug. 2.

Anderson, Edgar, assignor to Edgar Steel Corporation Limited, Sheffield, England. Joint for pipes or vessels for containing fluid under pressure. 1,859,065; May 17.

Anderson, David P., Pittsburgh, Pa. Lifting mechanism. 1,888,512; Nov. 22.

Anderson, David P., jr., Pittsburgh, and E. C. Miller, Mckeesport, Pa., assignors to H. W. Schuetz, Pittsburgh, Pa. Blast furnace charging apparatus. 1,846,826; Feb. 23.

Anderson, E. D., Inc. (See Henry, Ferdinand G., assignor.)

Anderson, Earle S. (See Furey, E. B., and Anderson.)

Anderson, Earle S., Boston, Mass. Rumble seat step. 1,881,113; Oct. 4.

Anderson, Edmund A. (See Peirce, W. M., and Anderson.)

Anderson, Edmund A., and G. L. Werley, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc base die casting alloy. Re18,600; Sept. 20.

Anderson, Edmund A., and G. L. Werley, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc-base die casting alloy. 1,852,441; Apr. 5.

Anderson, Edmund A., and G. L. Werley, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc-base die casting alloy. 1,852,442; Apr. 5.

Anderson, Edmund C. (See Jensen, K., and Anderson.)

Anderson, Edward, Chicago, Ill. Temporary locking device. 1,864,826; June 28.

Anderson, Edward, Dayton, Ohio, assignor, by mesne assignments, to Simonds Worden White Company. Hydraulic pad. 1,854,496; Apr. 19.

Anderson, Edward, assigned to The Automatic Recording Safe Company, Chicago, Ill. Savings Bank. 1,875,691; Sept. 6.

Anderson, Edward B. (See Collins, Edward, assignor.)

Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Apparatus and method of controlling fans. 1,846,379; Feb. 23.

Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Apparatus and method of controlling fans. 1,862,289; June 7.

Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Induction flow inlet fan. 1,862,523; June 14.

Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Angular-flow fan. 1,886,513; Nov. 8.

Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Unit heater and ventilator. 1,889,588; Nov. 29.

Anderson, Edwin, Los Angeles, Calif. Venetian blind bracket. 1,863,093; June 14.

Anderson, Einar. (See Stenberg, N. R., and Anderson.)

Anderson, Ellis G., Oklahoma City, Okla. Counterbalancing device. 1,874,077; Aug. 30.

Anderson, Elmer T., Ontarioville, Ill. assignor to American Reenforced Paper Company, Attleboro, Mass. Curing concrete. 1,841,928; Jan. 19.

Anderson, Emil. (See Nicholason, C. M., and Anderson.)

Anderson, Emil, Briarcliff Manor, N. Y. Universal joint. 1,847,550; Mar. 1.

Anderson, Emil, Briarcliff Manor, N. Y. Transmission. 1,866,002; July 5.

Anderson, Emil C., Downers Grove, Ill., assignor to Wine Railway Appliance Company, Toledo, Ohio. Car door mechanism. 1,867,792; July 19.

Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Swivel fixture. 1,869,645; Aug. 2.

Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Switch box. 1,869,646; Aug. 2.

Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Hanger. 1,888,342; Nov. 22.

Anderson, Ernst G. K., Chicago, Ill., assignor to Appleton Electric Company. Box connection or elbow. 1,888,546; Nov. 22.

Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Mixing finely divided solid materials. 1,839,466; Jan. 5.

Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Separation of suspended material from gases. 1,853,893; Apr. 12.

Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for separating solids from gases. 1,856,685; May 3.

Anderson, Felix F., Oslo, Norway. Pneumatic tire for vehicles. 1,854,537; Apr. 19.

Anderson Frame Corporation. (See Rowland, J. B., and Anderson, assignors.)

Anderson, Frank B., assignor to The V. D. Anderson Company, Cleveland, Ohio. Sausage stuffing machine. 1,848,236; Mar. 8.

Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Massage and exercise machine. 1,861,774; June 7.

Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Massage and exercise machine. 1,866,833; July 12.

Anderson, Frohman, Detroit, Mich. Toy. 1,864,227; June 21.

Anderson, George, Battle Creek, Mich. Magazine rack. Des. 84,494; Dec. 19.

Anderson, George W., Minneapolis, Minn. Dispenser. 1,849,901; Mar. 15.

Anderson, Glenn, Onawa, Iowa. Portable hoisting apparatus. 1,885,170; Nov. 1.

Anderson, Gottfried T., assignor to H. D. Colman, Rockford, Ill. Electric motor. 1,839,457; Jan. 5.

Anderson, Gustaf, Richmond Hill, N. Y. Ash sifter for furnaces. 1,875,840; Sept. 6.

Anderson, Gustav. (See Roberts, F. S., and Anderson.)

Anderson, Gustave, assignor to Brown Company, Berlin, N. H. Expanding mandrel. 1,882,709; Oct. 18.

Anderson, Gustave H. (See Hart, M. S., Anderson, and MacDonald.)

Anderson, Gustave H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Radiator header and tube connection. 1,847,743; Mar. 1.

Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Automatic slack adjuster. 1,841,513; Jan. 19.

Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Automatic slack adjuster. 1,841,514; Jan. 19.

Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Slack adjuster for railway car brake equipment. 1,845,070; Feb. 16.

Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Automatic slack adjuster. 1,845,071; Feb. 16.

Anderson, Harold N., Lakewood, Ohio. Apparatus for making forged articles. 1,892,030; Dec. 27.

Anderson, Harrison. (See Callaway, R. W., and Anderson.)

Anderson, Harrison, Los Angeles, Calif. Operating attachment for foldable tops. 1,842,954; Jan. 26.

Anderson, Harrison, Los Angeles, Calif. Bookholder. 1,882,710; Oct. 18.

Anderson, Harry, administrator. (See Andersen, August.)

Anderson, Harry J., assignor to Hills-McCanna Company, Chicago, Ill. Grease pump and the like. 1,885,314; Nov. 1.

Anderson, Harry J., and F. Gordon, Chicago, Ill. Grease pump and the like. 1,885,315; Nov. 1.

Anderson, Harry T., Butler, Pa. Brake beam leveling and safety device. 1,841,515; Jan. 19.

Anderson, Harry T., Butler, Pa. Post pocket. 1,863,364; June 14.

Anderson, Herbert A., Chicago, Ill., assignor to American Reenforced Paper Company, Attleboro, Mass. Reenforced building paper. 1,870,215; Aug. 9.

Anderson, Herbert O., assignor to Rockbestos Products Corporation, New Haven, Conn. Insulated electrical conductor. 1,840,282; Jan. 5.

Anderson, Herbert O., assignor to Rockbestos Products Corporation, New Haven, Conn. Insulated electrical conductor, 1,861,404; May 31.
Anderson, Herman A., Elmhurst, N. Y. Safety gas cock. 1,844,551; Feb. 9.
Anderson, Howard P., Erie, Pa., assignor to The Standard Sticker Company, Incorporated. Locomotive tender. 1,870,189; Aug. 2.
Anderson, Ida, administratrix. (See Anderson, August.)
Anderson, Irving, and E. F. Russell, Bird City, Kans. Cultivator, 1,844,455; Feb. 9.
Anderson, Ivan L. (See Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Portable car for cutting and welding torch apparatus. Des. 86,757; Apr. 19.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch cutting machine. 1,853,026; Apr. 12.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welded pipe joint and making the same. 1,860,346; May 31.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Pipe joint and making it. 1,860,521; May 31.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch cutting machine. 1,866,695; July 12.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch cutting machine. 1,907,047; July 12.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Cutting torch machine. 1,869,856; Aug. 2.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of welded pipe. 1,877,621; Sept. 13.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Universal cutting machine. 1,891,040; Dec. 25.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas cutting machine. 1,894,409; Jan. 20.
Anderson, James N., jr. (See Dirkes, R. F., and Anderson.)
Anderson, James W. (See Lawson, Albert R., assignor.)
Anderson, Jesse L., assignor to J. I. Holcomb Mfg. Company, Indianapolis, Ind. Reversible resilient brush. 1,889,029; Nov. 29.
Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Tension device. 1,882,539; Oct. 11.
Anderson, John, Portland, Conn. Lawn rake. 1,869,647; Aug. 2.
Anderson, John A., Edson, Alberta, Canada. Child's vehicle or similar article. 87,560; Aug. 16.
Anderson, John C., Keyport, N. J. Rectangular link conveyor. 1,874,409; Aug. 30.
Anderson, John H., Detroit, Mich. Cracking and gasifying hydrocarbons. 1,887,112; Nov. 8.
Anderson, John H., Detroit, Mich., assignor to Altithermo Engineering Company. Apparatus for cracking and distilling hydrocarbons. 1,877,634; Sept. 13.
Anderson, John P., Koppel, assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Car construction. 1,886,360; Nov. 8.
Anderson, John W., Gary, Ind. Wiper. 1,853,715; Apr. 12.
Anderson, John W., Gary, Ind. Method and device for manufacturing windshield wiper blades. 1,876,574; Sept. 13.
Anderson, John W., Gary, Ind. Electrically operated indicating apparatus. 1,885,054; Oct. 25.
Anderson, John W., Gary, Ind. Apparatus and method for manufacturing windshield wiper blades. 1,888,843; Nov. 22.
Anderson, Joseph B., U. S. Navy. Map. 1,884,500; Oct. 25.
Anderson, K. E., et al., trustees. (See Eisenstein, Julius, assignor.)
Anderson, Kenneth B., South Pasadena, Calif. Gas burner. 1,852,443; Apr. 5.
Anderson, Laura L., Waterbury, Conn. Jar or vase anchor for electric lamps. 1,878,093; Sept. 20.
Anderson, Lennox J. (See Stephens, F. G. C., Anderson, and Cash.)
Anderson, Lossie E., assignor to Standard Oil Company, Chicago, Ill. Liquid dispensing container. 1,840,283; Jan. 5.
Anderson, Lossie E., assignor to Standard Oil Company, Chicago, Ill. Wicking machine. 1,863,389; June 14.
Anderson, Louis, Easton, Pa. Sampling machine. 1,862,250; June 7.
Anderson, Louis S., assignor to Reid, Murdoch & Co., Chicago, Ill. Table for displaying food containing receptacles. 1,877,217; Sept. 13.
Anderson, Louis S., assignor to Reid, Murdoch & Co., Chicago, Ill. Merchandising and display table. 1,879,649; Nov. 22.
Anderson, Martin A., Indianapolis, Ind. Coupler. 1,872,551; Aug. 16.
Anderson, Martin E., assignor to The Bristol Company, Waterbury, Conn. Indexing attachment for automatic machines. 1,874,022; Aug. 30.
Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,844,627; Feb. 9.
Anderson, Martin S., Seattle, Wash. Fishing spoon. 1,862,917; June 14.
Anderson, Maurice, Negaunee, Mich. Child's playhouse. 1,845,861; Feb. 16.
Anderson, Maurice, Edgewood, R. I., assignor to Levy, Anderson Co., Inc. Jewelled bracelet chain. Des. 86,946; May 17.
Anderson, Maurice, Edgewood, assignor to Levy, Anderson Co., Inc., Providence, R. I. Strap end attaching device. 1,851,478; Mar. 29.
Anderson, Morris C., Marlin, Tex. Slogan apparatus or advertising device. 1,844,737; Feb. 9.
Anderson, Nels S., Minneapolis, Minn. Refrigerator. 1,853,490; Apr. 12.
Anderson, Nels B., Bellingham, Wash. Double can-seamer head. 1,862,290; June 7.
Anderson, Norman T. (See Sweeley, E. A., and Anderson.)
Anderson, Olof B., Marquette, Mich., assignor to E. J. Longyear Manufacturing Co., Minneapolis, Minn. Cushion diamond drill chuck. 1,873,173; Aug. 23.
Anderson, Oscar M. (See Juengst, F. W., and Anderson.)
Anderson, Oscar M., and F. W. Juengst, assignors to Landers, Frary & Clark, New Britain, Conn. Electric toaster. Des. 87,227; July 5.
Anderson, Oscar M., and F. W. Juengst, assignors to Landers, Frary & Clark, New Britain, Conn. Coffee maker. Des. 87,298; July 26.
Anderson, Oscar P., Aurora, Ill. Tempering machine. 1,870,159; Aug. 2.
Anderson, Oscar W., and E. E. Forrester, Denver, Colo. Gas burner and making the same. 1,867,526; July 12.
Anderson, Ossian. (See Talbot, William R., assignor.)
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 85,904; Jan. 5.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,070; Jan. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,071; Jan. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,072; Jan. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,073; Jan. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,074; Jan. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,100; Jan. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,555; Mar. 22.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,819; Apr. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,820; Apr. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,821; Apr. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,822; Apr. 26.
Anderson, Otto A., Chicago, Ill. Davenport or similar article. Des. 86,823; Apr. 26.
Anderson, Per A. H., Chicago, Ill. Sash construction. 1,839,367; Jan. 5.
Anderson, Perry, Byron, Wis. Wrench. 1,846,380; Feb. 23.
Anderson, Ralph W., Wauwatosa, Wis. Locomotive tender. 1,849,361; Nov. 8.
Anderson, Raymond M., assignor to Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Valve assembly. 1,841,695; Jan. 19.
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Pellet making machine. 1,871,829; Aug. 16.
Anderson-Rees Refrigerating Machine Co. (See Anderson, August P., assignor.)
Anderson, Rexford O., Houston, Tex. Still. 1,856,860; May 3.
Anderson, Rexford O., Houston, Tex. Declinometer bottle mounting. 1,884,961; Oct. 25.
Anderson, Robert, West Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cowling fastener. 1,853,025; Apr. 12.
Anderson, Robert G., Fairfield, N. J., assignor to International Motor Company, New York, N. Y. Three axle spring suspension. 1,841,077; Jan. 12.
Anderson, Robert G., Harborcreek, Pa., assignor to General Electric Company. Locomotive. 1,842,955; Jan 26.
Anderson, Robert G., Harborcreek, Pa., assignor to General Electric Company. Flexible coupling. 1,862,355; June 7.
Anderson, Robert H., assignor of one-half to A. B. Bowman, San Diego, Calif. Jig saw. 1,856,740; May 3.

Anderson, Robert H., assignor of one-half to A. B. Bowman, San Diego, Calif. Shaping machine. 1,882,711; Oct. 18.

Anderson, Roland G., assignor, by mesne assignments, to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Embossing plastic material. 1,859,907; May 24.

Anderson, Roy D., assignor, by mesne assignments, to The Lawrence Paper Company, Lawrence, Kans. Cover fastener. 1,859,645; May 24.

Anderson, Roy T., Calfcit, Mich., assignor to The Murray Corporation of America. Rubber door bumper. 1,880,190; Oct. 4.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning equipment. 1,849,061; Mar. 15.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning control. 1,860,377; May 31.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Fluid conditioning method and apparatus. 1,885,791; Nov. 1.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning apparatus. 1,886,777; Nov. 8.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Air conditioning apparatus. 1,888,844; Nov. 22.

Anderson, Samuel M., Sharon, Mass., and R. T. Palmer, New York, N. Y., assignors to B. F. Sturtevant Company, Boston, Mass. Air conditioning control. 1,881,992; Oct. 11.

Anderson, Sidney J., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio apparatus. 1,849,651; Mar. 15.

Anderson, Sidney J., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer. 1,869,180; July 26.

Anderson, Sievert [A.] Lindquist; A. K. Anderson, administratrix, assignor to Red Head Brand Company, Chicago, Ill. Gun recoil pad. 1,839,856; Jan. 5.

Anderson, Sivert J., Minneapolis, Minn. Combination fairlead and headrod holder. 1,840,614; Jan. 12.

Anderson Stove Company. (See Olsen, J. C., jr., and Bottis, assignors.)

Anderson, Thomas, Elmhurst, assignor to Combustion Utilities Corporation, New York, N. Y. Oil burner. 1,856,901; May 3.

Anderson, Thomas F. (See Carpenter, R. F., and Anderson.)

Anderson, Troy O., East Lake, and J. R. Earp, Chattanooga, Tenn. Tufting machine. 1,857,092; May 3.

Anderson, V. D., Company, The. (See Anderson, Frank B., assignor.)

Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)

Anderson, Victor, West New York, N. J., assignor, by mesne assignments, to Kayser Hosiery Motor-Mend Corporation, New York, N. Y. Hosiery repair machine. 1,843,911; Feb. 9.

Anderson, Victor E., W. Klide, and H. A. Ganes, Tacoma, Wash. Veneer winding machine. 1,848,299; Mar. 8.

Anderson, W. C., et al. (See Tiller, David M., assignor.)

Anderson, Waldemar F. (See Spiro, H., assignor, and Anderson.)

Anderson, Walter C. (See Paradis, H. A., and Anderson.)

Anderson, Walter H., Los Angeles, Calif. Machine for harvesting beads. 1,853,109; Apr. 12.

Anderson, Ward P. (See Shiffler, W. H., and Anderson.)

Anderson, William. (See Linstow, F. N., and Anderson.)

Anderson, William, Chicago, Ill. Filing machine. 1,891,742; Dec. 20.

Anderson, William, Seattle, Wash. Doorcheck and closer. 1,892,200; Dec. 27.

Anderson, William A., Huntington Park, Calif. Automatic molding mechanism for plastic material. 1,888,255; Nov. 22.

Anderson, William B., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Metal tank rectifier. 1,851,533; Mar. 29.

Anderson, William C., Williamsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic vacuum valve. 1,872,383; Aug. 16.

Anderson, William C., San Francisco, assignor of one-half to M. C. Mason, Ross, Calif. Cereal treatment process. 1,850,123; Mar. 22.

Anderson, William D., San Francisco, Calif. Swivel ferrule strap socket. 1,879,006; Sept. 27.

Anderson, William E., Tillamook, Oreg. Swing for children. 1,890,357; Dec. 6.

Anderson, William F. (See Patrick, H. E., and Kuretsi, assignor.)

Anderson, William M. (See Lofgren, E. G. C., and Anderson.)

Anderson, William O., Detroit, Mich. Sanitary razor strop holder. 1,880,007; Sept. 27.

Anderson, William T., jr., Newark, and H. D. Fraser, Verona, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Electrode for vapor gas electric devices. 1,869,926; Dec. 13.

Andersson, Gustav H., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Process and apparatus for separating liquids from solids. 1,846,076; Feb. 23.

Andersson, Ivan, East Hartford, Conn. Airplane. 1,886,932; Nov. 8.

Andersson, Pelle, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Compressor valve. 1,860,445; May 31.

Andersson, Ringhald P. A., Stockholm, Sweden. Arrangement for electric incandescent lamps. 1,875,692; Sept. 6.

Andersson, Rupert, Skarblacka, Sweden. Dressing tool. 1,860,764; May 31.

Andersson, Sven W. E., assignor to Servel Sales, Inc., New York, N. Y. Position indicator. 1,848,815; Mar. 8.

Anderton, George, New Bedford, Mass. Card novelty. 1,891,007; Sept. 27.

Andis, Mathew, Racine, Wis. Manicuring mechanism. 1,848,864; Mar. 8.

Andis, Mathew, Racine, Wis. Comb plate and manufacturing the same. 1,860,643; May 31.

Andis, Mathew, Racine, Wis. Hair clipper. 1,861,043; May 31.

Andis, Matthew, Racine, Wis. Hair clipper. 1,877,749; Sept. 13.

Andrade, Raymond, Compston, assignor to Kyrad, Los Angeles, Calif. Inside casing cutter. 1,851,269; Mar. 29.

Andrae, Andrew A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Lubrication system. 1,892,031; Dec. 27.

Andre, Bracket F., Ashland, Ky. Grate. 1,839,724; Jan. 5.

André, Henri J., Paris, France. Rectifying apparatus. 1,872,214; Aug. 16.

Andre, Josef, Rochester, N. Y. Pendulum apparatus. 1,858,384; May 17.

Andreae, Fritz, Cologne, Germany. Warp pile fabric. 1,853,944; Nov. 22.

Andreas, Arno, Munster, Germany. Method of and apparatus for sealing bag valves. 1,882,108; Oct. 11.

Andreas Daub A.-G. (See Boppenhausen, Willi, assignor.)

Andreasen, Claude G., Oakland, and R. N. Andreasen, San Leandro, Calif. Lateral transfer of automotive vehicles. 1,890,716; Dec. 13.

Andreasen, Ditlev, Ferndale Township, Whatcom County, Wash. Power harrow. 1,842,060; Jan. 19.

Andreasen, Raymond N. (See Andreasen, Claude G. and R. N.)

Andreasen, Walter R. G., and C. A. Toleman, East Boston, assignors of one-third to P. Kane, Boston, Mass. Piston ring. 1,888,448; Nov. 22.

Andreianov, Boris P., Moscow, Union of Socialist Soviet Republics. Rail fastening. 1,886,265; Nov. 1.

Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 1,846,464; Feb. 23.

Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Swivel stool. 1,869,535; Aug. 2.

Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Straightening pipe. 1,872,384; Aug. 16.

Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Connecting parts. 1,872,385; Aug. 16.

Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 1,872,386; Aug. 16.

Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Connecting metal plate. 1,872,616; Aug. 16.

Andren, Birger T., Milwaukee, W. F. Heineman, Shorewood, and W. E. Crawford, Wauwatosa, assignors to A. O. Smith Corporation, Milwaukee, Wis. Welding tubular articles. 1,872,055; Aug. 16.

Andrén, Karl H., assignor to Artos Engineering Company, Milwaukee, Wis. Insulation push-back machine. 1,874,216; Aug. 30.

Andren, Lennart, and R. Patterson, Bridgeport, Conn., assignors to American Chain Company, Inc. Magnetically controlling welding arcs. 1,851,479; Mar. 29.

Andres, Charles M., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Indicator and method of manufacturing parts thereof. 1,890,893; Dec. 13.

Andres, Louis E. (See Hacksplil, L., Claude, Andreas, and Rollet.)

Andres, Paul G., Chicago, Ill., assignor to Temple Mfg. Corporation. Reproducing unit. 1,853,016; Apr. 26.

Andres, Paul G., La Grange, Ill., assignor to Temple Corporation, Chicago, Ill. Loud speaker. 1,861,105; May 31.

Andres, Paul G., La Grange, and Fred W. Temple, St. Charles, assignors to Temple Corporation, Chicago, Ill. Loud speaker construction. 1,874,107; Aug. 9.

Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,858,354; May 17.

Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Lever. 1,872,870; Aug. 23.

Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating means. 1,876,575; Sept. 13.

Andresen, George, assignor to W. B. Parkyn, Chicago, Ill. Refrigeration. 1,850,907; Mar. 22.

Andresen, George, assignor to W. B. Parkyn, Chicago, Ill. Refrigerating apparatus. 1,850,952; Mar. 22.

Andresen, George, assignor to W. B. Parkyn, Chicago, Ill. Refrigerating apparatus. 1,890,205; Dec. 6.

Andresen, John H., Glen Rock, N. J. Textile printing machine. 1,841,356; Jan. 19.
Andresen, Otto, Vinderen, near Oslo, Norway. Method and apparatus for concentrating pulp water. 1,867,436; July 12.
Andreskovich, George A. (See Cicconi, Giulio, assignor.)
Andrew, Lucy B., Forest Hills, N. Y. Hair-wave setting device. 1,892,262; Dec. 27.
Andrewes, Humfrey. (See Coursey, P. R., and Andrewes.)
Andrewes, Humfrey, Highgate, London, England. Variable electrical condenser. 1,840,298; Jan. 12.
Andrewes, Humfrey, London, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Thermionic valve system. 1,876,162; Sept. 6.
Andrews, Aaron A. (See Andrews, C. and A. A.)
Andrews, Admiral L., Shawnee, Okla. Trousers support. 1,886,617; Nov. 8.
Andrews, Albert, Deadwood, S. Dak. Mechanical movement. 1,843,380; Feb. 2.
Andrews, Albert, Deadwood, S. Dak. Engine-cooling and supercharging means. 1,854,607; Apr. 19.
Andrews, Benjamin, deceased, Guardian Trust Company, executor, Houston, Tex. Refining ore. 1,841,697; Jan. 19.
Andrews, Carl C. and A. A., Harris, Kans. Twin tractor scraper or excavator. 1,843,796; Feb. 2.
Andrews, Champe S. (See Wellman, Charles P., assignor.)
Andrews, Champe S., North Chattanooga, Tenn. Folded box. 1,857,270; May 10.
Andrews, Champe S., North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Manufacture of paper boxes. 1,850,164; Mar. 22.
Andrews, Champe S., Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Hinged box. 1,865,608; July 5.
Andrews, Champe S., Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Folding box. 1,883,323; Oct. 18.
Andrews, Champe S., Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Packing process for silk yarn and the like. 1,883,449; Oct. 18.
Andrews, Champe S., North Chattanooga, Tenn., assignor to Cutaway Development Corporation, New York, N. Y. Refrigerating container. 1,883,450; Oct. 18.
Andrews, Charles, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Strainer. 1,874,410; Aug. 30.
Andrews, Charles, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Strainer. 1,874,411; Aug. 30.
Andrews, Charles, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Food press. 1,874,412; Aug. 30.
Andrews, Charles J., San Diego, Calif. Nursing bottle. 1,843,189; Feb. 2.
Andrews, Charles W. (See Knowles, A. S., and Andrews.)
Andrews, Charles W., assignor to H. A. Brassert & Company, Chicago, Ill. Furnace operation. 1,840,68s; Jan. 12.
Andrews, Charles W., Duluth, Minn., and W. B. Chapman, Jackson Heights, N. Y. Generating gas. 1,844,628; Feb. 9.
Andrews, Charles W., and A. J. Hulse, assignors to H. A. Brassert & Company, Chicago, Ill. Air heating. 1,880,239; Oct. 4.
Andrews, Clarence W., Burlington, N. C., assignor of one-half to Thompson & Company, Incorporated, Tampa, Fla. Tobacco bleaching means and method. 1,847,162; Mar. 1.
Andrews, Edward F., assignor to Andrews-Hammond Corporation, Chicago, Ill. Radioreceiving device. Re18,325; Jan. 12.
Andrews, Frank W., Fort Wayne, Ind., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,854,572; Apr. 19.
Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,890,451; Dec. 13.
Andrews, Franklin O., Willoughby, and L. Steinfurth, East Cleveland, assignors to The Economy Engineering Company, Willoughby, Ohio. Feeding mechanism. 1,865,293; June 28.
Andrews, Frederick H., Taihape, assignor to Leo Brooks, Wellington, New Zealand. Lock. 1,867,244; July 12.
Andrews, Frederick H., Taihape, assignor to Leo Brooks, Karori, Wellington, New Zealand. Adjustable wrench. 1,886,146; Nov. 1.
Andrews, George G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cleaning molds. 1,891,197; Dec. 18.
Andrews & Goodrich Inc. (See Dreisel, William, assignor.)
Andrews, H. P., Paper Company. (See Sandfananador, Ernest, assignor.)
Andrews-Hammond Corporation. (See Andrews, Edward F., assignor.)
Andrews, Isaac, Spartanburg, S. C. Loom reed. 1,886,778; Nov. 8.
Andrews, James A., Augusta, Me. Spinning machine. 1,878,572; Sept. 20.
Andrews, Jerome E., Andover, Mass. Shoe. Des. 88,742; Dec. 27.
Andrews, Jerome E., Andover, Mass. Shoe. Des. 88,743; Dec. 27.
Andrews, John S., Los Angeles, assignor to P. Laux, Santa Ana, Calif. Gear shift lever knob. 1,889,118; Nov. 29.
Andrews, John W., Chicago, and R. Gillis, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic material and magnet core. 1,845,113; Feb. 16.
Andrews, L. V. (See Craig, O., and Andrews.)
Andrews, L. V., assignor to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 1,840,380; Jan. 12.
Andrews, L. V., assignor to Riley Stoker Corporation, Worcester, Mass. Valve. 1,849,395; Mar. 15.
Andrews, Leonard, Holborn, London, England. Classification of materials by elutriation. 1,890,206; Dec. 6.
Andrews, Mona C., San Antonio, Tex. Catamenial bandage. 1,859,192; May 17.
Andrews Nursery Company. (See Dierking, H., and Derby, assignors.)
Andrews, Oliver B., Chattanooga, Tenn. Container. 1,839,782; Jan. 5.
Andrews, Oliver B., Chattanooga, Tenn. Bread band. 1,840,425; Jan. 12.
Andrews, Oliver B., Chattanooga, Tenn. Silicating. 1,841,775; Jan. 19.
Andrews, Oliver B., Chattanooga, Tenn. Tray. 1,842,379; Jan. 26.
Andrews, Oliver B., Chattanooga, Tenn. Tray. 1,842,380; Jan. 26.
Andrews, P. L., Corporation. (See Andrews, Stuart M., assignor.)
Andrews, Phillip R., assignor to Pacific Marine Supply Company, Seattle, Wash. Marine light. 1,877,785; Sept. 20.
Andrews, Roger W. (See Bradshaw, G. D., and Andrews.)
Andrews, Roger W., Aspinwall, and G. D. Bradshaw, Beaver, assignors to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,884,501; Oct. 25.
Andrews, Roland S. (See Broadhead, C. F., and Andrews.)
Andrews, Stuart M., Brooklyn, assignor to P. L. Andrews Corporation, New York, N. Y. Bottle label and pocket member. 1,850,369; Mar. 22.
Andrews, William, Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Welding of copper. 1,870,911; Sept. 6.
Andrews, William F., Brooklyn, N. Y., assignor to Bayley & Sons, Inc. Lighting fixture. Des. 87,377; July 19.
Andrews, William J., assignor to Bendix Brake Company, South Bend, Ind. Hydraulic brake. 1,841,686; Jan. 19.
Andrie, Michael B., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Closure for radiator necks and the like. 1,889,848; Dec. 6.
Andriessen, Jacobus C. (See Marchand, J. J. M. L., and Andriessen.)
Andrikidis, Alexandre, Athens, Greece. Fluid pressure brake. 1,889,326; Nov. 29.
Andrus, Orrin E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Structurally modifying the surfaces of metal bodies. 1,866,538; July 12.
Andrus, Orrin E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Repairing tools by welding. 1,867,345; July 12.
Andrus, Orrin E., and S. Hermanson, assignors to A. O. Smith Corporation, Milwaukee, Wis. Oil refining still. 1,840,305; Jan. 12.
Andrussow, Leonid, and F. Duerr, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of catalysts comprising phosphates. 1,882,712; Oct. 18.
Andvig, Hans, Oslo, Norway. Advertising device. 1,877,441; Sept. 13.
Anetsberger, Frank A. and W., Chicago, Ill. Humidifying apparatus. 1,844,235; Feb. 9.
Anetsberger, William. (See Anetsberger, F. A. and W.)
Anfinnsen, Arnfinn S., Bergen, and J. Oftedal, Sandnæs, Norway. Electrical switch. 1,873,527; Aug. 23.
Angel, Harry K., et al. (See Tumminello, Charles E., assignor.)
Angel, Herbert, and J. W. Robinson, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Start stop printing telegraph system. 1,843,909; Feb. 9.
Angel Novelty Company. (See Mastrangelo, Frank and A., assignors.)
Angel, William L., Portland, Oreg. Gauge for printing presses. 1,859,548; May 24.
Angelbeck, Frieda, St. Louis, Mo. Bucket. 1,866,074; July 5.
Angeletti, Joseph M., New York, N. Y. Self-feed magazine-pencil. 1,849,997; Mar. 15.
Angeletti, Joseph M., New York, N. Y. Container-perforating and threading device for stoppers, faucets, and the like. 1,883,451; Oct. 18.
Angeli, Guglielmo, Rome, Italy. Luminous sign. 1,887,973; Nov. 15.
Angeli, Tranquilo. (See Bertoncini, M., and Blatter, assignors.)
Angelini, Mentore L., Montgomery, Ala. Collapsible tube cap. 1,886,514; Nov. 8.
Angell, Arnold A., Chicago, Ill., assignor to The Turner Tanning Machinery Company, Portland, Me. Seasoning machine. 1,854,171; Apr. 19.

Angell, Chester M., assignor to Vesta Battery Corporation, Chicago, Ill. Pasting battery plates. 1,884,502; Oct. 25.

Angell, Edward C., New York, N. Y. Apparatus for forming paper containers. 1,849,861; Mar. 15.

Angell, Edward C., New York, N. Y. Container forming mechanism. 1,873,254; Aug. 23.

Angell, Edward C., assignor to G. Berger, New York, N. Y. Apparatus for sealing paper containers. 1,881,340; Oct. 4.

Angell, Frank B., Los Angeles, Calif. Shut off device for wells. 1,842,381; Jan. 26.

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental engine handpiece. 1,839,289; Jan. 5.

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Strand twisting and coiling machine. 1,849,975; Jan. 26.

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Continuously fabricating flexible shafting. 1,843,076; Jan. 26.

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Head rest. 1,863,319; June 14.

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Making shafting. 1,874,413; Aug. 30.

Angelucci, Ottorino, Rome, Italy. Apparatus for continuous evaporation or distillation, especially with vacuum. 1,885,402; Nov. 1.

Angelus, Louis, New York, and D. L. Baylis, Long Island, N. Y.; said Baylis assignor to said Angelus. Hat ironing machine. 1,872,031; Aug. 16.

Anger, Edward W. (See Minier, Frederick S., assignor.)

Anger, Paul, Kiel, Germany. Classifying materials in jet impact pulverizers. 1,876,156; Aug. 30.

Angermayr, Anton, Mannheim-Neckarau, assignor to Rheinische Gummi- und Celluloid-Fabrik, Mannheim-Neckarau, Germany. Hair comb. 1,843,437; Feb. 2.

Angerpointner, Matthias, Djuron, near Norrkoping, Sweden. Holding device for piece goods in suspended lines. 1,864,114; June 21.

Angier, Edward H., Framingham, Mass. Building structure. 1,847,372; Mar. 1.

Angier, Edward H., Framingham, Mass. Mulching. 1,882,713; Oct. 18.

Angier, Edward H., Framingham, Mass. Waterproof sheet material and its production. 1,843,437; Feb. 2.

Angier, Edward H., Framingham, Mass. Building construction. 1,890,486; Dec. 13.

Angier, Edward H., Framingham, and E. R. Dearborn, Ashland, Mass.; said Dearborn assignor to said Angier. Coloring sheet material. 1,882,714; Oct. 18.

Angla, Marius Robert. (See Gault, H., and Angla.)

Anglada, Sergio Venkintun Diaz, assignor to Anglada Motor Corporation, New York, N. Y. Rotary sleeve valve internal combustion engine. 1,839,458; Jan. 5.

Anglada Motor Corporation. (See Anglada, Joseph A., assignor.)

Angle, Edward H., Pasadena, Calif. Orthodontic appliance. 1,890,437; Dec. 13.

Angle, Glenn D., assignor to The Le Blond Aircraft Engine Corporation, Cincinnati, Ohio. Cylinder for internal combustion engines. 1,867,795; July 19.

Angle, Glenn D., assignor to The Le Blond Aircraft Engine Corporation, Cincinnati, Ohio. Oil spray valve for lubrication and cooling. 1,882,716; Oct. 18.

Anglemyer, Herman B., Pomona, Calif., and R. Chaney, Fort Wayne, Ind., assignors to International Harvester Company, Air cleaner. 1,864,289; June 21.

Anglo American Corporation of South Africa, Limited. (See Dowsett, Charles W., assignor.)

Anglo-American Mill Company. (See Agee, George M., assignor.)

Anglo-Australian Defreezing Company Proprietary Limited, The. (See Rayson, Arthur, assignor.)

Anglo-Persian Oil Company. (See Birch, S. F., and Scott, assignors.)

Anglo-Persian Oil Company. (See Fraser, John, assignor.)

Angold, Arthur B., Birmingham, assignor to The General Electric Company, Limited, London, England. Electric switch. 1,850,703; Mar. 22.

Angus, Alexander M., Groveland, Mass. Holdfast for ropes. 1,862,650; June 14.

Angus Company Limited, The. (See Stewart, A., and Downie, assignors.)

Angus, Donald J., Indianapolis, Ind. Graphic meter. 1,880,008; Sept. 27.

Angyal, Louis, San Francisco, Calif. Shoe shining apparatus. 1,889,620; Nov. 29.

Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine oiling system. 1,848,980; Mar. 8.

Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Water pump by-pass. 1,848,987; Mar. 8.

Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine lubricating system. 1,862,995; June 14.

Animal Trap Company of America. (See Hancock, Charles L., assignor.)

Animal Trap Company of America. (See Lehn, John U., assignor.)

Animal Trap Company of America. (See Lehn, J. U., and Huebener, assignors.)

Animal Trap Company of America. (See McCreary, H. W., and Zahm, assignors.)

Animal Trap Company of America. (See Zahm, Joseph D., assignor.)

Animal Trap Company of America. (See Zahm, J. D., and Lehn, assignors.)

Animated Displays, Incorporated. (See Ingersoll, Homer H., assignor.)

Animated Roboquin Display Company, The. (See Connor, James G., assignor.)

Ankarlo, George S., Milwaukee, Wis. Gas main stopper. 1,889,621; Nov. 29.

Anker-Holth Manufacturing Company. (See Krenke, Otto A., assignor.)

Anketell, Edward N. (See Gilbert, A. C., and Anketell.)

Anketell, Edward N., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Toy. 1,863,320; June 14.

Anklam, Otto, Minneapolis, Minn. Street lamp cable securing device. 1,871,023; Aug. 9.

Anneberg, Clara K. (See Jones, Elmer M., assignor.)

Annicq, Joseph, Renaix, Belgium. Machine for dyeing textile materials in bundles. 1,890,556; Dec. 13.

Annin & Co. (See Ames, Louis A., assignor.)

Annin, Douglas H., Glendale, Calif., assignor, by mesne assignments, to Nolian Co., Ltd., Boston, Mass. Remote control pilot valve. 1,872,871; Aug. 23.

Anode Rubber Company. (See Twiss, D. F., and Murphy, assignors.)

Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Fluid control apparatus. 1,874,414; Aug. 30.

Anschutz, August. (See Burgess, J. W., and Anschutz.)

Anschütz-Kaempfe, Hermann, Munich, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro", The Hague, Netherlands. Gyroscopic apparatus for stabilizing bodies. 1,840,104; Jan. 5.

Ansel, Harry R., Columbus, Ohio. Sign structure. 1,860,919; May 31.

Ansley, Charlotte E., Minneapolis, Minn. Garment support. 1,890,727; May 31.

Anson, Jerome L., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,854,172; Apr. 19.

Anson, Jerome L., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,882,717; Oct. 18.

Anstice, Josiah, & Co. (See Anstice, Mortimer R., assignor.)

Anstice, Josiah, & Co. Inc. (See Anstice, M. R., and Ross, assignors.)

Anstice, Mortimer R., assignor to Josiah Anstice & Co., Inc., Rochester, N. Y. Cover for vegetable peeling machines. 1,855,085; Apr. 19.

Anstice, Mortimer R., assignor to J. Anstice & Co., Inc., Rochester, N. Y. Vegetable slicing machine. 1,879,008; Sept. 27.

Anstice, Mortimer R., assignor to Josiah Anstice & Co., Inc., Rochester, N. Y. Slinger for drive units. 1,886,618; Nov. 8.

Anstice, Mortimer R., and C. C. Ross, assignors to Josiah Anstice & Co. Inc., Rochester, N. Y. Burnishing machine. 1,890,443; Dec. 13.

Anstine, James W., York, Pa. Adjustable lock keeper. 1,875,528; Aug. 23.

Anstiss, George P., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Conveyer. 1,868,514; July 26.

Anstotz, Karl, New York, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio. Registering device. 1,846,174; Feb. 23.

Anteck Forj, Inc. (See Wright, Charles A., assignor.)

Anteck Forj Incorporation. (See Wright, Charles A., assignor.)

Anthonisen, Georg B., Minneapolis, Minn. Spike, twisted or threaded. 1,884,503; Oct. 25.

Anthony, Benjamin F. (See Ehrich, R. H., and Anthony.)

Anthony, Benjamin F., Youngstown, Ohio. Apparatus for finishing and testing tubular products. 1,879,009; Sept. 27.

Anthony Company. (See Anthony, William C., assignor.)

Anthony Development Company. (See Anthony, W. C., and Wachter, assignors.)

Anthony, Emery P., Brandenridge, assignor of one-half to D. C. Eaton, Tarentum, Pa. Fastening device. 1,840,928; Jan. 12.

Anthony, Merton S., Adams, and E. H. Wilson, Pittsfield, Mass. Hydraulic valve lifter. 1,887,390; Nov. 8.

Anthony, William C., assignor to Anthony Company, Streator, Ill. Dumping body. 1,889,520; Nov. 29.

Anthony, William C., and L. Wachter, assignors to Anthony Development Company, Streator, Ill. Material handling means. 1,889,521; Nov. 29.

Anthony, Willis J., Escanaba, Mich. Automatic safety stop mechanism. Re18,443; Apr. 26.

Anthracite Separator Company. (See Pardee, Frank, assignor.)

Anthracite Separator Company. (See Pardee, Frank jr., assignor.)

Anthracite Separator Company. (See Pardee, Frank and Frank, jr., assignors.)

Antich, Anton M., Asbury Park, N. J., assignor of 40% to Thomas S. Skroza, Hartford, Conn. Riveting holder-on. 1,872,215; Aug. 16.

Antidolor Mfg. Co. Inc., The. (See Waite, Ralph B., assignor.)

Antipovitch, Boris M., Coyoacan, Mexico. Switching apparatus for electric signs. 1,840,299; Jan. 12.

Antisell, Frank L., Perth Amboy, N. J., and C. G. Mullineaux, Ansonia, Conn., assignors to Anaconda Copper Mining Company. Production of copper cakes and sheet bars. 1,862,074; June 7.

Antiseptol Liquid Soap Company. (See McDow, Everett E., assignor.)

Antle, John S., Bexley, Ohio. Apparatus for cleaning tubes. 1,869,730; Aug. 2.

Antoine, Alfred D., Chicago, and A. E. Gebert, Wilmette, assignors to Advertising Novelty Company, Chicago, Ill. Coin controlled mechanism. 1,848,454; Mar. 8.

Antoine, Aloise, Brooklyn, N. Y. Machine for printing labels. 1,857,910; Nov. 15.

Antol, George. (See Park, G. J., and Antol.)

Anton, Christ S., Chicago, Ill. Egg carton. 1,890,801; Dec. 13.

Anton, Frederick A., Topeka, Kans. Window awning. 1,847,459; Mar. 1.

Anton, Frederick A., Topeka, Kans. Awning roller. 1,849,262; Mar. 15.

Anton, Frederick A., Topeka, Kans. Clamping device for lateral arm awning hanger brackets. 1,851,270; Mar. 29.

Anton, Frederick A., Topeka, Kans. Lateral arm awning front hanger. 1,853,376; Apr. 26.

Anton, Frederick A., Topeka, Kans. Lateral arm and roller bracket support. 1,866,872; July 12.

Anton, Frederick A., and E. F. Bell, assignors to Topeka Tent & Awning Company, Topeka, Kans. Window awning. 1,854,499; Apr. 19.

Antonelli, Domenico, Manchester, England. Ice-cream cone forming machine. 1,846,018; Feb. 23.

Antoni, Ugo, London, England. Construction of flexible aeroplane wings having a variable profile. 1,886,362; Nov. 8.

Antonino, Caesar, Wilmette, Ill., assignor to General Electric Company. Remote control system. 1,877,635; Sept. 13.

Antonucci, Angelo C., Philadelphia, Pa. Dental impression wax composition. 1,889,622; Nov. 29.

Antosh, Peter G., Jr., Chicago, Ill. Bumper barb. 1,845,013; Feb. 16.

Antrim, Charles H. (See De Koning, J., and Antrim.)

Antrim, David D. (See Roberts, C. V., and Antrim.)

Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Range. Des. 86,506; Mar. 15.

Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Safety device for gas stove manifolds. 1,850,908; Mar. 22.

Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven for electric and gas ranges. 1,855,123; Apr. 19.

Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Waffle cooking stove. 1,879,010; Sept. 27.

Antz, George, Brooklyn, N. Y. Nonslip attachment for shoe heels. 1,866,386; July 5.

Anway, Frederick, Geneva, Iowa. Staple clincher. 1,842,814; Jan. 26.

Anzalone, Angelo, Rochester, N. Y. Whirligig toy. 1,854,876; Apr. 19.

Anzell, Anna S., New York, N. Y. Combination mirror and illuminating device. 1,889,085; Nov. 29.

Anzell, Joseph A., New York, N. Y. Moisture collector and filter for pipes or cigar and cigarette holders. 1,850,015; Mar. 26.

Aoki, Ray M., Kona, Territory of Hawaii. Dirigible light. 1,865,294; June 28.

Aoki, Shoichi, Honcho, Kiriu, Japan. Textile fabric. 1,841,871; Jan. 19.

Aparicio y Elizalde, Carlos, Engraeia, Madrid, Spain. Closure for containers or receptacles for materials in a liquid or paste-like state. 1,866,835; July 12.

Apco Mossberg Corporation. (See Jackson, Alfred F., assignor.)

Apex Electrical Manufacturing Company, The. (See Frantz, Walter A., assignor.)

Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)

Apex Electrical Manufacturing Company. (See McClatchie, Stanley, assignor.)

Apex Electrical Manufacturing Company, The. (See Rackiveft, John W., assignor.)

Apex Electrical Manufacturing Company, The. (See Seyferth, Arthur W., assignor.)

Apex Electrical Manufacturing Company, The. (See Stewart, Walter, assignor.)

Apex Hosiery Company. (See Struve, Frederick E., assignor.)

Apex Spool Company. (See Scovill, Ivan B., assignor.)

Apexeon Company. (See Haskell, Frederick F., assignor.)

Apfel, Philip F., Seattle, Wash., Golf club. 1,855,832; Apr. 12.

Apfelbaum, Frederick A., New York, N. Y. Display device. 1,842,645; Jan. 26.

Apfelbaum, Frederick A., New York, N. Y. Display. 1,871,252; Aug. 9.

Apfelbaum, Frederick A., Woodmere, N. Y. Display device. 1,859,946; May 24.

Apfelbaum, Myer, Philadelphia, Pa. Gas valve. 1,843,475; Feb. 2.

Apffel, John J., Los Angeles, Calif. Piano chart portfolio. 1,841,310; Jan. 12.

Apgar, Frank A., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,841,271; Jan. 12.

Apgar, Frank A., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Production of alkyl esters of sulphuric acid. 1,846,666; Feb. 23.

Apichell, Ralph, North Olmstead, assignor of one-half to C. Spero, Cleveland, Ohio. Toy animal. Des. 87,325; July 12.

Apman, Alvin J., near Stillwater, assignor of one-half to M. V. Apman, Stillwater, Minn. Hitch. 1,859,488; May 24.

Apman, Mable V. (See Apman, Alvin J., assignor.)

Apollo Magneto Corporation. (See Lencke, J. K., and Schmidt, assignors.)

Apollo Metal Works. (See Block, David J., assignor.)

Apostoloff, Sergius, New York, N. Y. Oscillating pulsator. 1,891,493; Dec. 20.

App, Andrew J., assignor to L. Birkel and Sons, Louisville, Ky. Pan. 1,860,234; July 26.

App, John H., Medford, Mass. Attachment for heating water. 1,885,669; Nov. 1.

App, Oliver O., New York, N. Y. Pressure fluid operated implement. 1,850,837; Oct. 4.

Apparatus Design Company. (See Williams, Jewell R., assignor.)

Appell, Daniel, East Cleveland, assignor to L. A. Westman and G. B. Carman, Cleveland, Ohio. Rotary machine or pump. 1,853,394; Apr. 12.

Appel, Oscar, assignor to Wm. Lee-Tric Burner Corporation, Paterson, N. J. Oil burning apparatus. 1,879,011; Sept. 27.

Appelberg, Axel O., assignor to Aktiebolaget Birka Regulator Stockholm, Sweden. Thermostatic switch. 1,851,657; Mar. 29.

Appelt, Arnold, Milwaukee, Wis. Shoe cleaning device. 1,851,500; Feb. 23.

Apperman, Walter R., Fort Worth, Tex. Airplane. 1,888,871; Nov. 22.

Apple, Adrian R., Glendale, assignor to Wallace China Company, Ltd., Huntington Park, Calif. Plate or similar article. Des. 87,042; May 31.

Apple Electrical Manufacturing Company. (See Kessler, John J., assignor.)

Apple, Vincent G., Dayton, Ohio. Washing machine. 1,853,857; Apr. 5.

Apple, Vincent G., Dayton, Ohio. Armature and making it. 1,839,858; Jan. 5.

Apple, Vincent G., Dayton, Ohio. Dynamo electric machine element. 1,843,589; Feb. 2.

Apple, Vincent G., Dayton, Ohio. Making armature coils. 1,843,590; Feb. 2.

Apple, Vincent G., Dayton, Ohio. Armature for dynamo electric machines. 1,843,591; Feb. 2.

Apple, Vincent G., Dayton, Ohio. Machine for assembling and heating dynamo electric machine elements. 1,843,592; Feb. 2.

Apple, Vincent G., Dayton, Ohio. Dynamo electric machine field element and making it. 1,849,263; Mar. 15.

Apple, Vincent G., Dayton, Ohio. Motor driven blower. 1,853,160; Apr. 12.

Apple, Vincent G., Dayton, Ohio. Making an armature. 1,853,161; Apr. 12.

Apple, Vincent G., Dayton, Ohio. Armature. 1,857,175; May 10.

Apple, Vincent G., Dayton, Ohio. Tool for making armatures. 1,857,176; May 10.

Apple, Vincent G., Dayton, Ohio. Dynamo electric machine field element. 1,858,870; May 17.

Apple, Vincent G., Dayton, Ohio. Dynamo electric machine with improved cooling means. 1,858,871; May 17.

Apple, Vincent G., Dayton, Ohio. Making armature coils. 1,860,977; May 31.

Apple, Vincent G., Dayton, Ohio. Armature. 1,860,978; May 31.

Apple, Vincent G., Dayton, Ohio. Geared motor. 1,866,339; July 5.

Apple, Vincent G., Dayton, Ohio. Variable condenser. 1,870,084; Aug. 2.

Apple, Vincent G., Dayton, Ohio. Laminated core. 1,870,085; Aug. 2.

Apple, Vincent G., Dayton, Ohio. Self ventilating high speed armature. 1,875,203; Aug. 30.

Apple, Vincent G., Dayton, Ohio. Commutator and making it. 1,875,204; Aug. 30.

Apple, Vincent G., Dayton, Ohio. Dynamo electric machine. 1,875,205; Aug. 30.

Apple, Vincent G., Dayton, Ohio. Insulation incased stator with glass lining. 1,875,206; Aug. 30.

Apple, Vincent G., Dayton, Ohio. Alternating current motor. 1,875,207; Aug. 30.

Apple, Vincent G., Dayton, Ohio. Lamp socket motor. 1,881,342; Oct. 4.

Apple, Vincent G., Dayton, Ohio. Dynamo electric machine with improved cooling means. 1,881,343; Oct. 4.

Apple, Vincent G., Dayton, Ohio. Motor compressor. 1,851,344; Oct. 4.
Apple, Vincent G., Dayton, Ohio. Apparatus for insulating coils. 1,887,005; Nov. 8.
Apple, Vincent G., Dayton, Ohio. Mold for insulating an armature. 1,888,211; Nov. 22.
Apple, Vincent G., Dayton, Ohio. Apparatus for impregnating and molding a porous structure. 1,888,613; Nov. 22.
Apple, Vincent G., Dayton, Ohio. Automatic molding method and machine. 1,890,802; Dec. 13.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine. 1,891,076; Dec. 13.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Safety shaft for automotive electric brakes. 1,841,272; Jan. 12.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electric switch. 1,856,407; May 3.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Front wheel brake actuating mechanism. 1,863,544; June 21.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Manual-magnetic servobrake. 1,867,645; July 19.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electromagnetic automotive vehicle brake. 1,869,876; Aug. 2.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electric brake operating mechanism. 1,876,539; Sept. 13.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Servo brake mechanism for vehicles. 1,876,540; Sept. 13.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,876,541; Sept. 13.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake applying mechanism. 1,876,545; Sept. 13.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Combined starting and reversing switch. 1,888,062; Nov. 15.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle control mechanism. 1,888,063; Nov. 15.
Apple, Vincent G., and W. M. Doehring, Dayton, Ohio; said Doehring assignor to said Apple. Commutator. 1,836,919; Dec. 15.
Apple, Vincent G., and F. W. Cotterman, assignors to Vincent G. Apple Laboratories, Dayton, Ohio. Commutator. 1,845,144; Feb. 16.
Apple, Vincent G., and F. W. Cotterman, Dayton, Ohio, assignors to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,876,542; Sept. 13.
Apple, Vincent G., Dayton, Ohio, and H. D. Hukill, assignors to Bendix Brake Company, South Bend, Ind. Electric control mechanism. 1,876,543; Sept. 13.
Apple, Vincent G., and F. W. Cotterman, Dayton, Ohio, assignors to Bendix Brake Company, South Bend, Ind. Servo brake mechanism. 1,876,544; Sept. 13.
Apple, Vincent G., and F. W. Cotterman, assignors to Vincent G. Apple Laboratories, Dayton, Ohio. Armature. 1,881,341; Oct. 4.
Apple, Vincent G. Laboratories. (See Apple, V. G., and Cotterman, assignor.)
Apple, Vincent G., Laboratories. (See Cotterman, Frederick W., assignor.)
Applebaum, Isaac, assignor to Hangerette Folding Box, Ltd., New York, N. Y. Folding container. Re18,477; May 24.
Applebee, Charlotte E., Chicago, Ill. Window protective device. 1,847,201; Mar. 1.
Appleby, Robert, assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa. Folding chair. 1,855,130; Apr. 19.
Appleby, William H., Windsor, Ontario, Canada. Child's vehicle. 1,872,216; Aug. 16.
Appleford Paper Products Limited. (See Powell, William B., assignor.)
Appleford Paper Products Limited. (See Smith, E., and Powell, assignors.)
Applegate, Addison, Liberty, N. Y. Illuminated display device. 1,849,261; Feb. 23.
Applegate, Addison, Liberty, N. Y. Mason's and plasterer's tool. 1,861,174; May 31.
Appleman, Boyd K., Beaumont, Tex. Drill bit. 1,882,268; Oct. 11.
Appleman, Leon, Pittsburgh, Pa. Heat absorber for electric lamps. Des. 86,903; May 10.
Appleman, Leon, Pittsburgh, Beaumont, Tex. Shock absorber for vehicles. 1,875,409; Sept 6.
Appleman, Winfield O., and F. N. Bay, Albia, Iowa. Hand rest for steering wheels. 1,865,072; June 28.
Appleton Electric Company. (See Akerlund, Carl O., assignor.)
Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)
Appleton Electric Company. (See Bohlman, E. A., and Brachtl, assignors.)
Appleton, Ernst G. (See Newman, C., and Appleton.)
Appleton Machine Company. (See Brazeau, G. S., and Madsen, assignors.)
Appleton, Wallace N., Crafton, Pa., assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Grinding machine. 1,840,343; Mar. 15.
Appleton Wire Works, Inc. (See Buchanan, William E., assignor.)
Appleyard, John, Fall River, Mass. Curtain rod attachment. 1,859,489; May 24.
Appleyard, Kenelm C., Birtley, C. W. H. Holmes, Low Fell, and I. L. Bramwell, assignors to The Birtley Iron Company, Limited, Birtley, England. Separation of dry materials. 1,866,186; July 5.
Appleyard, Kenelm C., Birtley, C. W. H. Holmes, Low Fell, and I. L. Bramwell, assignors of one-fourth to The Birtley Iron Company, Limited, Birtley, England. Separation of dry materials. 1,876,825; Sept. 13.
Applied Sugar Laboratories, Incorporated. (See Jordan, Stroud, assignor.)
Appolonius, Peter, and S. L. Chick, New York, N. Y. Safety air craft. 1,881,159; Oct. 4.
Appomattox Iron Works and Supply Co. (See Steere, Charles H., assignor.)
Apps, Charles H., East Orange, N. J. Locomotive. 1,871,295; Aug. 9.
Apps, Charles H., East Orange, N. J. Smoke box construction for locomotives. 1,872,217; Aug. 16.
Aqua Systems Incorporated. (See Beckwith, C. F., and Main, assignors.)
Aqua Systems Incorporated. (See Peter, William J., assignor.)
Aquatone Corporation. (See John, Robert, assignor.)
Arano, George, Modesto, Calif. Lens-holder for projection lamps. 1,876,384; Sept. 6.
Aras, Jean, Duluth, Minn. Device for platting and measuring curves. 1,887,391; Nov. 8.
Arata, Frank, and J. E. Stiles, Sacramento, Calif. Merchandise guard. 1,877,786; Sept. 20.
Arato, Achille, Turin, Italy. Mounting for steering wheels of vehicles. 1,892,178; Dec. 27.
Arberry, Percy E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass inspection apparatus. 1,871,217; Aug. 30.
Arbron, Thomas J., assignor to Roto Pump Company, Detroit, Mich. Hair drying cabinet. Des. 86,344; Mar. 1.
Arbuckle, S. F., Corp. (See Arbuckle, Samuel F., assignor.)
Arbuckle, Samuel F., Highland Park, assignor to Monogram Lens Corporation, Detroit, Mich. Depressible beam headlight. 1,853,533; Apr. 12.
Arbuckle, Samuel F., Highland Park, assignor to Monogram Lens Corporation, Detroit, Mich. Bulb adapter. 1,866,073; June 28.
Arbuckle, Samuel F., assignor to Monogram Lens Corporation, Detroit, Mich. Illuminating device. 1,863,547; June 14.
Arbuckle, Samuel F., assignor to S. F. Arbuckle Corp., Detroit, Mich. Combined light and signal. 1,889,623; Nov. 29.
Arcade Manufacturing Company. (See Tscherning, Henry, assignor.)
Archbold, Charles A., assignor to Salt Lake Stamp Company, Salt Lake City, Utah. 1,863,037; June 14.
Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,840,300; Jan. 12.
Archea, Walter D., assignor to Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,874,846; Aug. 30.
Archer, Alfred, Caldwell, N. J., assignor to Mergenthaler Linotype Company. Type or matrix for typographical composing machines. 1,851,964; Apr. 5.
Archer, Carl W., assignor to Massillon Implement Company, Massillon, Ohio. Mowing machine. 1,849,264; Mar. 15.
Archer, George B., et al. (See Cavert, Edward N., assignor.)
Archer, Merton T., Pittsburgh, Pa. Casing head. 1,887,865; Nov. 15.
Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Pump. 1,848,070; Mar. 1.
Archer, Robert S., Lakewood, and L. W. Kempf, Cleveland, Ohio. Aluminum-magnesium alloys. 1,856,615; May 3.
Archer, Robert S., Lakewood, and L. W. Kempf, Cleveland, Ohio, assignors to Aluminum Company of America. Pittsburgh, Pa. Aluminum-silicon alloys. 1,848,816; Mar. 8.
Archer, Thomas P. (See Heintz, E. E., and Archer.)
Archer, Thomas P., and J. B. Flynn, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Latch. 1,891,291; May 31.
Archibald, Francis M., and R. B. Lebo, Elizabeth, N. J., assignors to Standard Oil Development Company. Direct esterification of alkyl sulfates. 1,844,536; Feb. 9.
Archibald, Senes E., Bradford, Pa. Brake drum. 1,856,649; Mar. 22.
Archimag Corporation. (See Besocke, Richard, assignor.)
Archor, Josef. (See Eichwede, H., and Rachor.)
Arcier, Alex F., Dayton, assignor to The Waco Aircraft Company, Troy, Ohio. Aircraft landing gear. 1,852,099; Apr. 5.
Arck, William M., Mount Vernon, Ohio. Cooler. 1,851,077; Mar. 29.

Arcq, René, Brussels, Belgium. Apparatus for drawing sheet glass. 1,846,934; Feb. 23.
Arcturus Radio Tube Company. (See Harding, Robert, jr., assignor.)
Arcturus Radio Tube Company. (See Horn, Clarence A., assignor.)
Arcturus Radio Tube Company. (See Horn, C. A., and Heitzman, assignors.)
Arcturus Radio Tube Company. (See Kaul, John, assignor.)
Arcturus Radio Tube Company. (See Krahl, Walter L., assignor.)
Ardee Patents Corporation. (See Orear, Vincent M., assignor.)
Arden Box Toe Company. (See Daly, John J., assignor.)
Arden Box Toe Company. (See Lovell, Stanley P., assignor.)
Arden Box Toe Company. (See Lurie, Joseph M., assignor.)
Arduser, Joseph O., and A. Jenkins, assignors to D. C. Jenkins Glass Company, Kokomo, Ind. Poultry feeding device. 1,840,615; Jan. 12.
Arehart, L. L., et al. (See Childs, Robert R., assignor.)
Arelt, Charles. (See Gwinn, G. W., and Arelt.)
Arena, Frank, Watertown, Mass. Bottle. Des. 87,424; July 26.
Arenberg, Albert L., Chicago, Ill. Lamp with sliding joint. 1,841,352; Jan. 19.
Arenco Machine Company. (See Ilyus, Edmund B., assignor.)
Arens, Albert C., Milwaukee, Wis. Weed or vermin-killing device. 1,861,254; May 31.
Arentsen, Arie H., Amsterdam, Netherlands. Manufacture of continuous sheets or corrugated plates of asbestos cement with insertion or insertions of iron wire netting. 1,863,407; June 28.
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Company, Wilmington, Del. Screw machine for cutting single point double thread screws. 1,865,226; June 28.
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Company, Wilmington, Del. Machine for cutting double thread single point screws. 1,866,286; July 5.
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Company, Wilmington, Del. Screw machine (movable latch). 1,867,796; July 19.
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Co., Wilmington, Del. Machine for mill cutting single point, double thread screws. 1,867,995; July 19.
Arenz, John A., Mount Vernon, N. Y., assignor to The International Screw Company, Wilmington, Del. Single thread barbed drive screw. 1,855,028; Oct. 25.
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Company, Wilmington, Del. Machine for cutting double thread, single point screws. 1,885,792; Nov. 1.
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Co., Wilmington, Del. Screw cutting tool. 1,886,240; Nov. 1.
Areson, Nels, Portland, Oreg., assignor to Northern Implement Manufacturing Company, King County, Wash. Automotive wheel. 1,839,942; Jan. 5.
Arey, Fred C. (See Long, W. B., and Arey.)
Arey, Fred C., Oak Park, Ill., assignor to Vulcan Soot Cleaner Company, Du Bois, Pa. Power operated valve. 1,842,232; Jan. 26.
Arey, Fred C., Oak Park, Ill., assignor to The Vulcan Soot Cleaner Company, Du Bois, Pa. Fluid cooled cleaner element. 1,851,559; Mar. 29.
Arey, Fred C., Oak Park, Ill., assignor to J. W. Gleason, Pittsburgh, Pa., F. W. Bora, New York, N. Y., W. F. Freidenreich, Kenilworth, Ill., F. J. Chetlain, Chicago, Ill., and himself as trustees. Machine for expanding ribbed metal lath. 1,852,636; Apr. 5.
Arey, Fred C., Oak Park, Ill., assignor to Vulcan Soot Cleaner Company, Du Bois, Pa. Supporting soot cleaner heads. 1,874,151; Aug. 30.
Arey, Fred C., Oak Park, Ill., assignor to Vulcan Soot Cleaner Company, DuBois, Pa. Power head for soot cleaners. 1,886,515; Nov. 8.
Arey, Gordon C., and Thomas, Ky. Traffic control device. 1,850,370; Mar. 22.
Arey, Ralph G., Swampscott, Mass., assignor to General Electric Company. Instrument balancing device. 1,861,255; May 31.
Argabright, Carl C., Auburn, Nebr. Clover feeder attachment for cultivators. 1,849,739; Mar. 15.
Argabrite, George M., assignor to Leather Equipment Co., Inc., Chicago, Ill. Method of and apparatus for stretching leather. 1,877,878; Sept. 20.
Argard, Lillian, near Atlanta, Ga. Shoe and stocking protector. 1,872,572; Aug. 16.
Argco Tube and Television Corporation. (See Alexander, Foesaneanu, assignor.)
Argco Tube and Television Corporation. (See Alexander, F., and Gibson, assignors.)
Argent Corporation, The. (See Alphonso, Peter R., assignor.)
Argyle Production Company. (See Cox, G. S., and Almstedt, assignors.)
Arico, Joseph. (See Morosini, L., and Arico.)
Arienta, Joseph S., Paterson, N. J. Loom picker stick. 1,891,804; Dec. 20.
Arizona Grocery Company. (See Hamm, R. H., and Champion, assignors.)
Arkell, Bartlett. (See Wikstrom, Frank G., assignor.)
Arkell Safety Bag Company. (See Robinson, Francis T., assignor.)
Arkema, Harold P., Chicago, and S. McMullan, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand slackening device. 1,857,801; May 10.
Arkema, Harold P., Chicago, and B. M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,882,718; Oct. 18.
Arkon Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Arledge, John L. (See Gilbert, O. C., and Arledge.)
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Heat exchanger. 1,844,308; Feb. 9.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Combined superheater and boiler. 1,858,872; May 17.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Superheater boiler. 1,866,387; July 5.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Heat exchange. 1,866,388; July 5.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Joining pipes. 1,881,160; Oct. 4.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Boiler and supporting means for use therewith. 1,881,161; Oct. 4.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Desuperheater. 1,889,739; Dec. 6.
Armacost, Wilbur H., New York, and J. H. Spirgen, Brooklyn, assignors to The Superheater Company, New York, N. Y. Securing tubes to headers. 1,852,279; Apr. 5.
Armacost, Wilbur H., and D. W. Ruderf, assignors to The Superheater Company, New York, N. Y. High-capacity boiler. 1,889,740; Dec. 6.
Armagnat, Pierre Jn. Rethune, France. Weighing device for use in traveling cranes. 1,868,683; July 26.
Arman, Joseph R., Marseille, France. Apparatus for towing water-pipe lines. 1,853,794; Apr. 12.
Armbrust Chain Company. (See Armbrust, Ferdinand, assignor.)
Armbrust, Ferdinand, North Providence, assignor to Armbrust Chain Company, Providence, R. I. Extension device. 1,876,443; Sept. 6.
Armentrout, Arthur L., Long Beach, Calif. Piston. 1,862,251; June 7.
Armentrout, Marcus, Long Beach, Calif. Piston. 1,844,226; Feb. 9.
Armington, Arthur P., Willoughby, Ohio. Tread link. 1,890,444; Dec. 13.
Armington, Arthur P., Willoughby, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Tread link. 1,862,617; June 14.
Armington, Arthur P., Willoughby, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Tread linkage. 1,869,002; July 26.
Armington, Arthur P., Willoughby, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Dumping vehicle. 1,891,019; Dec. 13.
Armington, Arthur P., S. F. Armington, Willoughby, and G. B. Armington, South Euclid, assignors to The Euclid Road Machinery Company, Euclid, Ohio. Tread link. 1,854,013; Apr. 12.
Armington, Arthur P., Willoughby, and F. R. Higley, Cleveland Heights, assignors to The Euclid Crane & Hoist Company, Euclid, Ohio. Land vehicle. 1,857,343; May 10.
Armington, George E. (See Armington, Arthur P., S. F., and G. E.)
Armington, Stewart F. (See Armington, Arthur P., S. F., and G. E.)
Armistead, George. (See Repschleger, W. E., Armistead, Nott, and Placette.)
Armitage, Harold Brookline, assignor to Universal Winding Company, Boston, Mass. Supply holder. 1,869,731; Aug. 2.
Armitage, Joseph B. (See Kearney, E. J., and Armitage.)
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Rotary milling machine. 1,794,218; Apr. 28, 1931.
Armitage, Joseph B., Milwaukee, and R. E. Saving, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism for machine tools. 1,853,795; Apr. 12.
Armour and Company. (See Rademske, Gustav, assignor.)
Armour and Company. (See Will, John H., assignor.)
Armour, Earl, Richmond, and J. Kremer, St. Louis County, Mo. Airplane. 1,890,354; Dec. 6.
Armour Fertilizer Works. (See MacDowell, Charles H., assignor.)
Armour Fertilizer Works. (See Meyers, Herbert H., assignor.)
Armour Fertilizer Works. (See Moore, Harry C., assignor.)

Arms, Clarence S., Worcester, assignor to Thompson Wire Company, Boston, Mass. Reenforcing element for beads of rubber tires. 1,849,781; Mar. 15.

Arms, Merton E., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine or the like. 1,872,552; Aug. 16.

Armstrong, Adam E., assignor to Armstrong Machine Works, Three Rivers, Mich. Valve mechanism. 1,856,451; May 3.

Armstrong, Addison C., Baltimore, Md., and A. G. Ilich, New York, N. Y. Window construction comprising radiator housing. 1,882,719; Oct. 18.

Armstrong Manufacture Corporation. (See Atkinson, George E., assignor.)

Armstrong, Charles B., Cleveland, Ohio. Extinguisher for cigarettes and the like. 1,888,105; Nov. 15.

Armstrong, Clifford H., North Finchley, England. Feed water regulator. 1,884,504; Oct. 25.

Armstrong Cork Company. (See Allard, Robert M., assignor.)

Armstrong Cork Company. (See Bienko, Walter J., assignor.)

Armstrong Cork Company. (See Boettcher, Henry, assignor.)

Armstrong Cork Company. (See Borthwick, Harold H., assignor.)

Armstrong Cork Company. (See Brinton, William P., assignor.)

Armstrong Cork Company. (See Busch, Herman F., assignor.)

Armstrong Cork Company. (See George, Arthur M., assignor.)

Armstrong Cork Company. (See Grupe, William F., assignor.)

Armstrong Cork Company. (See Hartman, Samuel H., assignor.)

Armstrong Cork Company. (See Hartman, S. H., and Humphreys, assignors.)

Armstrong Cork Company. (See Hartman, S. H., and Powers, assignors.)

Armstrong Cork Company. (See Humphreys, C. F., and McCarthy, assignors.)

Armstrong Cork Company. (See Humphreys, C. F., and Prentis, assignors.)

Armstrong Cork Company. (See Humphreys, Harry S., assignor.)

Armstrong Cork Company. (See Kauffman, Benjamin H., assignor.)

Armstrong Cork Company. (See Kaufman, Walter F., assignor.)

Armstrong Cork Company. (See McCarthy, J. Clarence, assignor.)

Armstrong Cork Company. (See Pieper, Ernest J., assignor.)

Armstrong Cork Company. (See Schrader, Charles C., assignor.)

Armstrong Cork Company. (See Smith, D. F., Pieper, and Vogt, assignors.)

Armstrong Cork Company. (See Stewart, Hercules D., assignor.)

Armstrong Cork Company. (See Wiley, John, assignor.)

Armstrong Cork Company. (See Young, Paul R., assignor.)

Armstrong, Edward R., Hollyoak, Del. Seadrome. 1,892,125; Dec. 27.

Armstrong, Edward R., assignor to F. O. Schoedinger, Columbus, Ohio. Manifold heater. 1,883,452; Oct. 18.

Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,856,861; May 3.

Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Self-retaining cartridge. 1,873,858; Aug. 23.

Armstrong, Fullerton G. G., Beverly, England. Suspension arrangement for road and the like vehicles. 1,873,214; Aug. 23.

Armstrong, George A., Cranston, R. I., assignor to William C. Greene Company. Finger ring. 1,877,442; Sept. 13.

Armstrong, Hugh C., assignor of one-fourth to W. M. Ginder, Columbus, Ohio. Rolling door with glass-covered opening. 1,892,562; Dec. 27.

Armstrong, Hugh R., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Gas meter. 1,862,451; June 7.

Armstrong, John J., Crockett, Calif. Continuous filter. 1,856,452; May 3.

Armstrong, Joseph, Allston, Mass., assignor to American Moistening Company, Providence, R. I. Humidifier. 1,858,724; Aug. 2.

Armstrong, Joseph, Conimicut, assignor to American Moistening Company, Providence, R. I. Humidifying system. 1,858,725; May 17.

Armstrong, Joseph, Conimicut, assignor to American Moistening Company, Providence, R. I. Atomizing nozzle. 1,879,012; Sept. 27.

Armstrong, Leonard J., Mariners Harbor, N. Y. Automobile transmission hoist. 1,857,579; May 10.

Armstrong, Levi B., Chicago, Ill., assignor to The Lundie Engineering Corporation, New York, N. Y. Tie-plate. 1,865,452; July 5.

Armstrong, Louis E., Fort Dodge, Iowa, assignor to Insulex Corporation, Chicago, Ill. Insulating board. 1,867,797; July 19.

Armstrong, Louis E., Fort Dodge, Iowa, assignor to Insulex Corporation, Chicago, Ill. Heat and sound insulating board and block. 1,875,364; Sept. 6.

Armstrong Machine Works. (See Armstrong, Adam E., assignor.)

Armstrong, Morgan K., Washington, D. C. Wall structure and building unit therefor. 1,867,299; July 12.

Armstrong, Morgan K., Washington, D. C., assignor, by mesne assignments, to United States Gypsum Company. Molding composition. Re18,363; Feb. 23.

Armstrong, Percy A. E., New York, N. Y. Heat, rust, and acid resisting ferrous alloy. 1,850,953; Mar. 22.

Armstrong, Percy A. E., New York, N. Y. Reducing and converting metals and making alloys. 1,855,176; Apr. 26.

Armstrong, Ralph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arrangement for openings in scanning disk-multiple cardioid. 1,877,547; Sept. 13.

Armstrong, Robert, Ridgefield, N. J. Tube cutting device. 1,883,453; Oct. 18.

Armstrong, Sir W. G., Witworth & Company. (See Stuart, James C. S., assignor.)

Armstrong, Stanley E., New Haven, Conn. Appliance for the treatment of colds, influenza and similar ailments. 1,860,847; May 31.

Armstrong, Victor C., Short Hills, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail and tie plate assembly. 1,859,102; Jan. 5.

Armstrong, Victor C., Hackensack, N. J., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,842,061; Jan. 19.

Armstrong, Westropp, Glen Ellyn, Ill. Planting and transplanting device. 1,856,016; Apr. 26.

Armstrong & White. (See Hunter, Samuel, assignor.)

Armstrong, Willis O., and J. A. Mowers, Rome, N. Y. Machine for marking soap and the like. 1,876,826; Sept. 13.

Arndt, Alvin G., assignor to Independent Stove Company, Owosso, Mich. Disappearing cooking top for table stoves. 1,862,452; June 7.

Arndt, Ernest A., Sioux City, Iowa, assignor, by mesne assignments, to The Gabriel Kari-Keen Company. Side extension receptacle for automobiles. 1,849,046; Mar. 8.

Arndt, Ernest A., assignor to The Gabriel Kari-Keen Company, Sioux City, Iowa. Hinge. 1,867,798; July 19.

Arndt, Frank J., Ventnor, N. J. Awning fixture. 1,858,912; May 17.

Arndt, Frank J., Ventnor, N. J. Awning fixture. 1,860,881; May 31.

Arndt, Jack W., Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Cooling system for marine engines. 1,875,912; Sept. 6.

Arndt, Paul. (See Scognamillo, S., and Arndt.)

Arndt, William E., Detroit, Mich., assignor, by mesne assignments, to The Imperial Brass Manufacturing Company, Chicago, Ill. Tube cutter. 1,854,389; Apr. 19.

Arneson, Otto P., assignor of one-half to J. F. Redding, Richmond Heights, Mo. Coursing or starting box. 1,851,480; Mar. 29.

Arnett, Albert C. (See Shawen, E. W., and Arnett.)

Arni, Hans, Falkensee, near Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for copying films. 1,876,442; Sept. 6.

Arnis, Georg. (See Wilhelm, O. A., and Arnis.)

Arnold, Albert W., assignor of one-half to V. E. Irons, Charlotte, N. C. Internal combustion engine. 1,848,597; Mar. 8.

Arnold, Arthur A., assignor to The A. C. Gilbert Company, New Haven, Conn. Humidifier casing. Des. 87,186; June 21.

Arnold, Arthur A., assignor to The A. C. Gilbert Company, New Haven, Conn. Heating pad. Des. 87,187; June 21.

Arnold, Carl, Nuremberg, Germany. Illuminated ball. 1,862,996; June 14.

Arnold, Carl, Nuremberg, Germany. Mechanical toy. 1,863,587; June 21.

Arnold, Carl, Nuremberg, Germany. Winding device for spinning toys. 1,879,013; Sept. 27.

Arnold, Charles B., Brooklyn, N. Y. Boiler feed water regulating apparatus. 1,881,221; Oct. 18.

Arnold, Charles H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,840,535; Jan. 12.

Arnold, Charles H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,733; Aug. 23.

Arnold, Charles N., Chaumont, N. Y. Snowplow. 1,891,464; Dec. 20.

Arnold, Craig R., Atlanta, Ga. Mixing aggregates with asphalt and coating. 1,859,324; May 24.

Arnold, Edward F., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wall paper. 1,848,686; Mar. 8.

Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Joining sheet material. 1,849,471; Mar. 15.

Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller. 1,860,522; May 31.

Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pipe welding machine. 1,870,475; Aug. 9.
Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Buffer. 1,870,827; Aug. 9.
Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multicar door operator. 1,870,828; Aug. 9.
Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator buffer. 1,873,807; Aug. 23.
Arnold, Frank, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Cutlery. 1,846,535; Feb. 23.
Arnold, Fred M., Chattanooga, Tenn. Variable motion device. 1,876,129; Sept. 6.
Arnold, George A., West Haven, Conn., assignor to Motor Improvements, Inc., Newark, N. J. Valve. 1,874,847; Aug. 30.
Arnold, Harold A., Menomonee Falls, Wis. Cabinet. 1,861,520; June 7.
Arnold, Harold D., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording. 1,859,423; May 24.
Arnold, Harry S., Brooklyn, N. Y. Outlet box. 1,883,457; Oct. 18.
Arnold, Harry S., Brooklyn, and R. C. Wilson, New York, N. Y. Electrical distribution. 1,878,573; Sept. 20.
Arnold, Heinrich. (See Steinhart, R., and Arnold.)
Arnold, Henry D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier telephone system. 1,873,255; Aug. 23.
Arnold, Henry D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control system. 1,890,488; Dec. 13.
Arnold, Hubert R., San Francisco, Calif. Circular retractor. 1,839,726; Jan. 5.
Arnold, J. P. (See Adair, Thomas W., assignor.)
Arnold, Albert. (See Wise, G. J., and Arnold.)
Arnold, John C., Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Photographic apparatus. 1,873,124; Aug. 23.
Arnold, John L., Beaver Falls, Pa. Price indicator. 1,857,380; May 10.
Arnold, Lem, San Angelo, Tex. Water heater. 1,885,040; Oct. 25.
Arnold, Louis G., and V. Isaacson, Eau Claire, Wis. Attachment for road graders. 1,843,260; Feb. 2.
Arnold, Max, assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Wall paper or similar article. 1,852,952; Oct. 18.
Arnold, Nina, New York, N. Y. Pillow. Des. 86,345; Mar. 1.
Arnold, Paul. (See Müller, K., and Arnold.)
Arnold, Ross H. (See Jauch, R. J., Faraham, and Arnold.)
Arnold, Roy J. (See Smith, R. E., Arnold, and Curfman.)
Arnold, S. M., Inc. (See Arnold, S. M., and Erber, assignors.)
Arnold, Sandford M., St. Louis, and A. Erber, University City, assignors to S. M. Arnold, Inc., St. Louis, Mo. Sponge brush. 1,890,894; Dec. 13.
Arnold, Tunis C., Boise, Idaho. Scale. 1,892,032; Dec. 27.
Arnold, William W., jr., Knoxville, Tenn. Combination blade and bale beater. 1,891,132; Dec. 13.
Arnone, Anthony, New York, N. Y. Bottle holder for babies. 1,886,619; Nov. 8.
Arnott, Robert. (See Arnolds, H., Parker, and Arnot.)
Arnot, Robert, Hampstead, England. Preparation of tarry and bituminous solutions. 1,847,805; Mar. 1.
Arnstein, Karl, and E. Helma, Akron, and W. J. Watson, Cleveland, assignors to Goodyear Zeppelin Corporation, Akron, Ohio. Aircraft hangar and building it. 1,841,921; Jan. 12.
Arnstein, Karl, and P. Helma, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Method and apparatus for handling airship buildings. 1,874,855; Oct. 18.
Arntson, Ealard A., et al. (See Elliott, Ralph M., assignor.)
Aromei Corporation. (See Nazare, Francois, assignor.)
Aron, William P., assignor of one-half to J. E. Knott, Dallas, Tex. Fan. Des. 87,188; June 21.
Aronoff, Samuel, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Meter testing device. 1,864,627; June 28.
Aronoff, Samuel, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Watthour meter testing device. 1,878,658; Sept. 20.
Aronson, Alexander H., Newark, N. J. Finger and hand protector. 1,865,060; June 21.
Aronson, Louis V., Newark, N. J. Cigar lighter. 1,874,219; Aug. 30.
Aronson, Louis V., Newark, N. J. Safety razor. 1,883,324; Oct. 18.
Aronson, Louis V., Newark, N. J. Registering coin bank. 1,886,779; Nov. 8.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Refrigerant. 1,841,776; Jan. 19.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Portable lighter construction. 1,846,667; Feb. 23.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Receptacle support. 1,851,560; Mar. 29.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Casing nozzle. 1,853,028; Apr. 12.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter. 1,859,908; May 24.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Penholder. 1,864,708; June 28.
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Calendar mechanism and associated penholder. 1,864,709; June 28.
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Combined safety razor and sharpening device. 1,887,911; Nov. 15.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pocket lighter. 1,889,342; Nov. 29.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Cigar lighter. 1,889,849; Dec. 6.
Aronstam, Pauline, New York, N. Y. Dispenser. 1,877,636; Sept. 13.
Arp, Ewald A., Minneapolis, Minn., assignor, by mesne assignments, to Van Norman Machine Tool Company, Springfield, Mass. Boring machine and method. 1,868,440; July 19.
Arp, Ewald A., Minneapolis, Minn., assignor to Van Norman Machine Tool Company, Springfield, Mass. Tool attachment device. 1,881,993; Oct. 11.
Arper, Albert D., Tacoma, Wash., assignor of one-half to Clarence T. Arper. Furnace draft control device. 1,865,295; June 28.
Arper, Clarence T. (See Arper, Albert D., assignor.)
Arpin, Edmund P., jr., Port Edwards, Wis. Coating apparatus. 1,880,645; Oct. 4.
Arquisez, Frank P., Los Angeles, assignor to Cinema Studies Supply Corporation, Ltd., Hollywood, Calif. Spotlight. 1,845,214; Feb. 16.
Arrow-Hart & Hegeman Electric Company, The. (See Bentley, Robert H., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Cook, John R., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Garrett, John D., assignor.)
Arrow-Hart & Hegeman Electric Company. (See Gates, Frederic P., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Griswold, Samuel A., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Guett, Monroe, assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Hansen, H. C., and Bennett, assignors.)
Arrow-Hart & Hegeman Electric Company, The. (See Noe, Arvid H., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Smith, Percy C., assignor.)
Arrow Safety Device Company. (See Haines, John R., assignor.)
Arrow Tools, Inc. (See Pollard, Hugh E., assignor.)
Arrowood, Milton W., Greenwich, Conn. Apparatus for burning powdered fuel. 1,856,902; May 3.
Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Synthetic resins. 1,860,164; May 24.
Arste, Henry L., Alhambra, Calif. Doorknob lock. 1,876,570; Sept. 13.
Artcote Papers, Inc. (See Dornbusch, Josef, assignor.)
Artcraft Iron Works, Inc. (See Korn, Harry, assignor.)
Arter Grinding Machine Company. (See Arter, W., and Fraser, assignors.)
Arter, William, Worcester, and W. F. Fraser, Westboro; said Fraser assignor to Arter Grinding Machine Company, Worcester, Mass. Grinding machine. 1,888,710; Nov. 22.
Arthur, Edward D., Palo Alto, assignor to Arthur Metal Products Company, Ltd., San Francisco, Calif. Roller screen. 1,866,788; July 12.
Arthur, Gilbert V., Hot Springs, Va. Orthopedic shoe. 1,845,251; Feb. 16.
Arthur, James L. (See Fitzsimmons, J. T., and Arthur.)
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition system. 1,842,815; Jan. 26.
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,873,174; Aug. 23.
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,873,175; Aug. 23.
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,882,720; Oct. 18.
Arthur Metal Products Company, Ltd. (See Arthur, Edward D., assignor.)
Arthur, William A., Texarkana, Tex. Combination plow. 1,842,892; Jan. 26.
Arthur, William V., Seattle, Wash. Shoulder rest. 1,841,393; Jan. 19.
Artistic Bronze Company, The. (See Bridgewater, Horace M., assignor.)
Artistic Price Tag Corp. (See Feldman, J., and Mittelman, assignors.)
Artloom Corporation. (See Hilbert, Otto F., assignor.)
Art Marble Company of America. (See Welch, Lon E., assignor.)
Art Metal Construction Company. (See Bullen, Ralph F., assignor.)
Art Metal Construction Company. (See Johnson, Carl A., assignor.)
Art Metal Construction Company. (See Skoogh, Harry L., assignor.)

Art Metal Construction Company. (See Ulrich, Charles B., assignor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Art Metal Works, Inc. (See Burchett, Walter J., assignor.)
Art Metal Works, Inc. (See Clark, E. F., and Rogers, assignors.)
Art Metal Works, Inc. (See Harris, Alexander, assignor.)
Art Metal Works, Inc. (See Rogers, James F., assignor.)
Art Metal Works, Inc. (See Rogers, J. F., and Clark, assignors.)
Artos Engineering Company. (See Andrén, Karl H., assignor.)
Artzt, Maurice, Scotia, and R. Serrell, Schenectady, N. Y., assignors to General Electric Company. Synchronizing apparatus. 1,866,240; July 5.
Aruga, Giuseppe, Turin, Italy. Rotary engine. 1,865,666; July 5.
Arutunoff, Armais, Bartlesville, Okla. Oil filled submergible electric motor. 1,855,274; Apr. 26.
Arvedson, George C. (See Barkeij, Jean A. H., assignor.)
Arveson, Maurice H. (See Sullivan, F. W., jr., and Arveson.)
Arveson, Maurice H., assignor to Standard Oil Company, Whiting, Ind. Lubricating compound. 1,871,941; Aug. 16.
Arveson, Maurice H., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Lead machoging soap lubricant and preparing same. 1,871,942; Aug. 16.
Arveson, Maurice H., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Mill grease. 1,882,721; Oct. 18.
Arvey Corporation. (See Horwath, Julius, assignor.)
Arvey-Ware Corporation. (See Hall, Richard E., assignor.)
Arvidson, Carl. (See Bigney, S. O., and Arvidson.)
Arvidsson, Nils, Chicago, Ill. Cigarette lighter and dispenser. 1,874,472; Sept. 13.
Arwell Products Company. (See Scott, Wellington W., assignor.)
Arzino, August P., San Jose, Calif. Filling valve for syrupers. 1,865,227; June 28.
Asahi Kenshiki Kabushiki-Kaisha. (See Tachikawa, Shozo, assignor.)
Asam, Frank H., Detroit, Mich. Front wheel drive. 1,852,226; Apr. 5.
Asbeck, Gustav, Dusseldorf-Grafenberg, Germany. Rolling mill. 1,846,175; Feb. 23.
Asbury, Charles T., et al. (See Bowers, Ernest F., assignor.)
Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,875,827; Sept. 13.
Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,890,768; Dec. 13.
Asbury, Henry L., Westwood, Calif. Door holding device. 1,865,194; Apr. 12.
Asbury, Willard C. (See Lewis, W. K., Frolich, and Asbury.)
Asch, Abraham B. (See Laughlin, W. C., and Asch.)
Asch, Erich, Berlin-Sudende, Germany, assignor to Radio Patents Corporation, New York, N. Y. Thermionic amplifying circuits. 1,862,393; June 7.
Asch, Erich, Sudende, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Continuous current amplifier. 1,862,394; June 7.
Aschenbach, Emerson, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Gauge. 1,854,094; Apr. 12.
Aschenbrenner, Claus, assignor to the Firm Photogrammetrie G. m. b. H., Munich, Germany. Mechanism of film propulsion. 1,879,866; Sept. 27.
Ascher, Simon, & Co. (See Grumbach, Harry, assignor.)
Aschkenas, David. (See Rudolph, J., Rosenzweig, and Aschkenas.)
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,842,816; Jan. 26.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,844,738; Feb. 9.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,846,381; Feb. 23.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,853,011; Apr. 5.
Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,854,390; Apr. 19.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,855,215; Apr. 26.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,857,776; May 10.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,858,848; May 17.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Muffler for internal combustion engines. 1,861,775; June 7.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,873,256; Aug. 23.
Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,882,722; Oct. 18.
Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,882,723; Oct. 18.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,882,724; Oct. 18.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,884,962; Oct. 25.
Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,884,963; Oct. 25.
Ash, Charles S., Royal Oak, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Demountable interchangeable wheel mounting. 1,842,140; Jan. 19.
Ash, Charles S., Royal Oak, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Balanced motor vehicle wheel. 1,860,216; May 24.
Ash, Charles S., Birmingham, Mich. Adjustable gun stock. 1,869,086; July 26.
Ash, Charles S., Birmingham, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,877,379; Sept. 13.
Ash, Edward, Forrest City, Ark. Garment. 1,848,040; Mar. 1.
Ash, Elmer E., Los Angeles, Calif., assignor to American Desk Company, Reno, Nev. Detachable desk or table top. 1,852,342; Apr. 5.
Ash, Nelson T., Saugus, Mass. Frame for screening and the like. 1,868,488; July 26.
Ashaway Line and Twine Manufacturing Company. (See Crandall, Julian T., assignor.)
Ashbaugh, John H. (See Nycum, H. C., and Ashbaugh.)
Ashbrook, Roy B., San Gabriel, M. Macferran, Alhambra, R. E. Quanstrom, Inglewood, and B. F. Dengler, Los Angeles, Calif. Protective gap for electrical equipment. 1,839,086; Nov. 29.
Ashby, Brodie H. (See Emery, E. A., and Bowden, assignors.)
Ashby, Carl S., Cleveland, Ohio. Nursing bottle holder. 1,841,273; Jan. 12.
Ashby, Cassius J., Evansville, Ind. Embroidery or rug machine. 1,873,257; Aug. 23.
Ashby, Harry V. (See Pia. Stop switch for collating machines. 1,892,033; Dec. 27.
Ashby, Rex C., Hover, Wash. Velocipede. 1,847,744; Mar. 1.
Ashcroft, Edgar A., Waye House, near Ashburton, England. Metallurgy of ores or materials containing tin. 1,843,060; Jan. 26.
Ashcroft, Edgar A., Wayne House, near Ashburton, England. Treatment of ores or materials containing copper and/or nickel. 1,851,885; Mar. 29.
Ashe, Marsellus T., Orange, assignor, by mesne assignments, to Express Motion Poster Service, Inc., New York, N. Y. Metallic signboard. 1,839,825; Jan. 5.
Asher, William O. (See Bell, C. W., and Ash.)
Asher, William J., Colorado Springs, Colo. Ironing machine. 1,883,750; Oct. 18.
Ashfield, Herbert, Brooklyn, N. Y. Bath room accessory. 1,876,828; Sept. 13.
Ashley, Carlyle M. (See Stacey, A. E., jr., and Ashley.)
Ashley, Carlyle M., South Orange, assignor to Carrier Corporation, Newark, N. J. Concealed radiation heat exchanger. 1,876,547; Sept. 13.
Ashley, Carlyle M., Orange, assignor to Carrier Engineering Corporation, Newark, N. J. Gas treating device. 1,883,456; Oct. 18.
Ashley, Frank M., Brooklyn, N. Y. Fountain pen. 1,874,023; Aug. 30.
Ashley, Frank M., Brooklyn, N. Y. Fountain pen. 1,874,024; Aug. 30.
Ashley, John A., Chicago, Ill. Display apparatus. 1,869,003; July 26.
Ashley, Lucy C., Oklahoma City, Okla. Aerial mail exchange. 1,873,917; Aug. 23.
Ashman, David B., Baltimore, Md. Portable fabric punching machine. 1,880,031; Sept. 27.
Ashmore, Leon H., Collingswood, assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Penholder. 1,847,163; Mar. 1.
Ashtabula Corrugated Box Company, The. (See Sherman, Elroy P., assignor.)
Ashton, George M., Denver, Colo. Vehicle braking mechanism. 1,847,914; Mar. 1.
Ashton, Percy C., Waterloo, Iowa. Separable teat cup. 1,846,243; Feb. 23.
Ashton Valve Company, The. (See Motherwell, Joseph W., assignor.)
Ashton, Ward, assignor to J. O. Kerr, Ottawa, Ontario, Canada. Animal tag. 1,882,378; Oct. 11.
Ashton, Ward, assignor to J. O. Kerr, Ottawa, Ontario, Canada. Animal mouth tongs. 1,883,751; Oct. 18.
Ashton, William S., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Last supporting device. 1,855,787; Apr. 26.
Ashworth Advertising Company. (See Ashworth, John W., assignor.)
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel breasting machine. 1,850,195; Mar. 22.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,852,144; Apr. 5.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,870,553; Aug. 9.

Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt tempering mechanism. 1,866,003; July 5.

Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,874,690; Aug. 30.

Ashworth, George B., Amsterdam, N. Y. Steam generator. 1,857,831; May 10.

Ashworth, Harry E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Contact spring supporting and adjusting structure. 1,869,048; Aug. 2.

Ashworth, John W., assignor to Ashworth Advertising Company, Incorporated, New York, N. Y. Repeating apparatus for phonographs. 1,855,173; Apr. 26.

Ashworth, John W., assignor to Ashworth Advertising Company, Incorporated, New York, N. Y. Safety razor. 1,858,260; May 17.

Asiatic Petroleum Company Limited, The. (See Lubbock, I., and Joyce, assignors.)

Asire, Horace W., assignor to General Motors Research Corporation, Detroit, Mich. Carburetor. 1,882,725; Oct. 18.

Asire, Horace W., and W. W. Perkins, Detroit, and E. J. Martin, Ferndale, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting machine. 1,890,445; Dec. 13.

Askania-Werke A.G. vorm. Centralwerkstatt Dessau und Carl Bamberg Friedenau. (See Schweydar, Wilhelm, assignor.)

Aske, Hermann A. K. (See Kleist, A. A., Aasved, and Aske.)

Askenasy, Paul, Karlsruhe, Germany. Producing concrete. 1,856,933; Nov. 1.

Askenasy, Paul, Karlsruhe, Germany, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Production of acetylene. 1,865,422; July 5.

Askenasy, Paul, and A. Heller, Karlsruhe, Germany. Chlorinating ethylene. 1,851,970; April 5.

Askew, V., Del Rio, Tex. Pipe holder for well pipes. 1,854,573; Apr. 19.

Asleson, J., Minneapolis, Minn. Grating. 1,868,654; July 26.

Asociacion de Productores de Yodo Chili. (See Schlötter, Max.)

Asp, Enoch, Manistique, Mich. Wire support for insulators. 1,858,873; May 17.

Aspinall Process Corporation. (See Schillo, Louis C., assignor.)

Aspinwall, Robert S., Detroit, Mich. Canopy stem. 1,859,012; May 17.

Aspirin Machine Company, The. (See Barok, G. D., and Slater, assignors.)

Aspland, George E., Beverly Hills, Calif. Signal holding device. 1,872,218; Aug. 16.

Assel, Walter J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Tubular axle. 1,875,797; Sept. 6.

Assel, Walter J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Furnace. 1,882,470; Oct. 11.

Asselstine, William J., assignor of one-half to D. L. Pitt, Premier, British Columbia, Canada. Apparatus for the concentration of ores. 1,869,732; Aug. 2.

Assmann, Peter, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of resistant silver surfaces. 1,850,997; Mar. 29.

Assmann, Peter, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chemically resistant silver alloy. 1,863,612; June 21.

Assmann, Peter, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chemically resistant silver alloy. 1,863,645; June 21.

Associated Apparel Industries, Inc. (See Cunningham, Katherine E., assignor.)

Associated Apparel Industries, Inc. (See Graves, Rose M., assignor.)

Associated Apparel Industries, Inc. (See Roth, Isidor, assignor.)

Associated Dyers & Cleaners Limited. (See Crick, Harry J., assignor.)

Associated Electric Laboratories. (See Lomax, C. E., and Levy, assignors.)

Associated Electric Laboratories. (See Nelson, Martin L., assignor.)

Associated Electric Laboratories, Inc. (See Anderson, Clarence A., assignor.)

Associated Electric Laboratories, Inc. (See Bellamy, John L, assignor.)

Associated Electric Laboratories, Inc. (See Belliveau, Alfred H., assignor.)

Associated Electric Laboratories, Inc. (See Burgener, John A., assignor.)

Associated Electric Laboratories, Inc. (See Crocker, Thomas F., assignor.)

Associated Electric Laboratories, Inc. (See Crocker, T. F., and Tharp, assignors.)

Associated Electric Laboratories, Inc. (See Doyle, Frederick W., assignor.)

Associated Electric Laboratories, Inc. (See Erickson, John, assignor.)

Associated Electric Laboratories, Inc. (See Freesland, Wilson S., assignor.)

Associated Electric Laboratories, Inc. (See Gardner, John E., assignor.)

Associated Electric Laboratories, Inc. (See Gohorel, Fernand, assignor.)

Associated Electric Laboratories, Inc. (See Graybill, Kenneth W., assignor.)

Associated Electric Laboratories, Inc. (See Hershey, Harry E., assignor.)

Associated Electric Laboratories, Inc. (See Hudd, Alfred E., assignor.)

Associated Electric Laboratories, Inc. (See Ide, Harry H., assignor.)

Associated Electric Laboratories, Inc. (See Just, John, assignor.)

Associated Electric Laboratories, Inc. (See Kahn, Frederick L, assignor.)

Associated Electric Laboratories, Inc. (See Lesh, Laurence J., assignor.)

Associated Electric Laboratories, Inc. (See Levy, Oscar C., assignor.)

Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)

Associated Electric Laboratories, Inc. (See Lomax, C. E., and Voss, assignors.)

Associated Electric Laboratories, Inc. (See McCreary, Harold J., assignor.)

Associated Electric Laboratories, Inc. (See McElyea, Harley B., assignor.)

Associated Electric Laboratories, Inc. (See Neir, E. R., and Witt, assignors.)

Associated Electric Laboratories, Inc. (See Nelson, Martin L., assignor.)

Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)

Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)

Associated Electric Laboratories, Inc. (See Peterson, Edward S., assignor.)

Associated Electric Laboratories, Inc. (See Ray, Arthur J., assignor.)

Associated Electric Laboratories, Inc. (See Riebe, Theodore C., assignor.)

Associated Electric Laboratories, Inc. (See Robinson, Harold C., assignor.)

Associated Electric Laboratories, Inc. (See Sargisson, Robert L., assignor.)

Associated Electric Laboratories, Inc. (See Saunders, Norman H., assignor.)

Associated Electric Laboratories, Inc. (See Sengebusch, Hans, assignor.)

Associated Electric Laboratories, Inc. (See Shull, William G., assignor.)

Associated Electric Laboratories, Inc. (See Smith, Howard H., assignor.)

Associated Electric Laboratories, Inc. (See Stanton, Willard J., assignor.)

Associated Electric Laboratories, Inc. (See Stonebridge, George E., assignor.)

Associated Electric Laboratories, Inc. (See Tharp, Victor S., assignor.)

Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)

Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)

Associated Electric Laboratories, Inc. (See Willis, Bernard D., assignor.)

Associated Electrical Industries Limited. (See Brown, Walter J., assignor.)

Associated Electrical Industries Limited. (See Hinchcliffe, W., and Scott, assignors.)

Associated Electrical Industries Limited. (See Hoseason, Donald B., assignor.)

Associated Electrical Industries Limited. (See Ollard, E. A., and Robinson, assignors.)

Associated Electrical Industries Limited. (See Robinson, Ernest Y., assignor.)

Associated Electrical Industries Limited. (See Robinson, E. Y., and Burch, assignors.)

Associated Electrical Industries Limited. (See Saunders, Norman F. T., assignor.)

Associated Engineering and Supply Company. (See Hughes, Howard R., assignor.)

Associated Engineers Company. (See Higgins, Dana D., assignor.)

Associated Engineers Company. (See Peck, Irving K., assignor.)

Associated Engineers Company. (See Stevens, Earl E., assignor.)

Associated Ice & Dairies Limited. (See Ware, Herbert M., assignor.)

Associated Ice & Dairies Limited. (See Wilson, Cyril J., assignor.)

Associated Manufacturers Corporation of America. (See Edwards, James M., assignor.)

Associated Manufacturers, Inc. (See Borton, Alwyn E., assignor.)

Associated, Merchandising Corporation. (See Boetzel, Rozane, assignor.)
Associated Merchandising Corporation. (See Brenner, Ida, assignor.)
Associated Merchandising Corporation. (See Brollet, Jean, assignor.)
Associated Merchandising Corporation. (See Burns, Frederick M. R., assignor.)
Associated Merchandising Corporation. (See Casabona, Bettina, assignor.)
Associated Merchandising Corporation. (See Feintuch, Rose, assignor.)
Associated Merchandising Corporation. (See Ferranti, Julia, assignor.)
Associated Merchandising Corporation. (See Fields, Pauline E., assignor.)
Associated Merchandising Corporation. (See Gans, Gussie, assignor.)
Associated Merchandising Corporation. (See Geffen, Bertha, assignor.)
Associated Merchandising Corporation. (See Gordon, William, assignor.)
Associated Merchandising Corporation. (See Greenberg, Max, assignor.)
Associated Merchandising Corporation. (See Griffith, Jeane, assignor.)
Associated Merchandising Corporation. (See Holt, Ida, assignor.)
Associated Merchandising Corporation. (See Howard, Charles, assignor.)
Associated Merchandising Corporation. (See Lasher, Alfred W., assignor.)
Associated Merchandising Corporation. (See Marve, Murray, assignor.)
Associated Merchandising Corporation. (See Milgrim, Salley, assignor.)
Associated Merchandising Corporation. (See Milgrim, Sally, assignor.)
Associated Merchandising Corporation. (See Shacter, Harry, assignor.)
Associated Merchandising Corporation. (See Shapiro, Jennie, assignor.)
Associated Merchandising Corporation. (See Silverman, Etta, assignor.)
Associated Merchandising Corporation. (See Simpson, Addie S., assignor.)
Associated Merchandising Corporation. (See Smithline, Adele, assignor.)
Associated Merchandising Corporation. (See Vettori, Marina, assignor.)
Associated Merchandising Corporation. (See Wolff, Malvina, assignor.)
Associated Merchandising Corporation. (See Xifo, Jennie, assignor.)
Associated Oil Company. (See Lazar, Arthur, assignor.)
Associated Oil Company. (See Stark, David D., assignor.)
Associated Parts, Inc. (See Hadley, Harold F., assignor.)
Associated Telephone and Telegraph Company. (See Beale, C. E., and Deyes, assignors.)
Associated Telephone & Telegraph Company. (See Caswell, Arthur E., assignor.)
Associated Telephone & Telegraph Company. (See Fenley, Alfred E, assignor.)
Associated Telephone & Telegraph Company. (See Gilling, Charles, assignor.)
Associated Telephone & Telegraph Company. (See Jackson, Herbert, assignor.)
Associated Telephone and Telegraph Company. (See Kessler, F., and Woodland, assignors.)
Associated Telephone and Telegraph Company. (See Ostline, John E., assignor.)
Associated Telephone and Telegraph Company. (See Ostline, J. E., Taylor, and Beale, assignors.)
Associated Telephone & Telegraph Company. (See Rice, Thomas G., assignor.)
Associated Telephone and Telegraph Company. (See Pearce, O. A., and Simpson, assignors.)
Associated Telephone and Telegraph Company. (See Simpson, Lancelot M., assignor.)
Associated Telephone and Telegraph Company. (See Smith, J., and Turton, assignors.)
Associated Telephone & Telegraph Company. (See Stehlik, Rudolph F., assignor.)
Associated Telephone and Telegraph Company. (See Taylor, E., and Beale, assignors.)
Associated Telephone and Telegraph Company. (See Taylor, R., and Comyn, assignors.)
Associated Telephone & Telegraph Company. (See Turney, Trevor H., assignor.)
Association of American Soap and Glycerine Producers, Inc. (See Hoover, Kenneth H., assignor.)
Association of American Soap & Glycerine Producers, Inc. (See Segur, J. B., and Hoover, assignors.)
Aste, Anthony L., Brooklyn, assignor to Griffin Manufacturing Company, Inc., New York, N. Y. Dauber. 1,867,437; July 12.
Aster, Stanley, Philadelphia, Pa. Combination lock. 1,863,537; June 14.
Astle, William. (See Feldmeler, H., and Astle.)
Astley, Albert E., Des Moines, Iowa. Attachment for paint cans or the like. 1,865,736; July 5.

Astley, John William, Prescot, assignor to British Cables Insulated Limited, Prescot, Lancashire, England. Connecting device for use with stranded metal cables. 1,885,316; Nov. 1.
Aston, James, and A. H. Beale, assignors, by mesne assignments, to A. M. Byers Company, Pittsburgh, Pa. Making wrought iron. 1,890,637; Dec. 13.
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y. Hot metal car. 1,870,220; Aug. 9.
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y. Quick opening and closing door for retorts and the like. 1,871,834; Aug. 16.
Astrup Company, The. (See Ackerman, J. Otto, assignor.)
Astrup Company, The. (See Astrup, Walter C., assignor.)
Astrup Company, The. (See Heiser, Henry C., assignor.)
Astrup, Walter C., assignor to The Astrup Company, Cleveland, Ohio. Awning rod elbow. Des. 86,005; Jan. 19.
Ateliers de Constructions Electriques de Charleroi. (See Cornu, Maurice, assignor.)
Ateliers de Constructions Mechaniques l'Aster. (See Monard, Alfred, assignor.)
Ateliers T. Robatel J. Buffaud & Cie. (See Robatel, Philibert T., assignor.)
Aten, Charles R., Berwick, Pa. Tractor hitch. 1,840,181; Jan. 5.
Athans, Jacquelyn H., assignor to Leander Development Corporation, New York, N. Y. Heat indicator for automobiles. Des. 85,971; Jan. 12.
Athenia Steel Company, The. (See Fornelius, Harvey, assignor.)
Atherton, Alfred L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Battery-charging means. 1,876,548; Sept. 13.
Atherton, Edward, Warwick, England. Manufacture of gelatin. 1,892,599; Dec. 27.
Atherton, Lucile B., Springfield, Mass. Child's garment. 1,853,396; Apr. 12.
Athey, Isaac H., assignor to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,844,933; Feb. 16.
Athey, Robert T., Armona, Calif. Renewable fuse. 1,857,581; May 10.
Athey Truss Wheel Co. (See Athey, Isaac H., assignor.)
Athey Truss Wheel Co. (See Kuchar, Joseph, assignor.)
Athimon, Francis, Paris, France. Servo-brake. 1,890,446; Dec. 13.
Athol Manufacturing Company. (See Mitchell, Rowland B., assignor.)
Atkins, Don C., Los Angeles, Calif. Apparatus for removing gases from petroleum. 1,864,037; June 21.
Atkins, E. C., & Company. (See Gimmel, Dewey E., assignor.)
Atkins, Harry F., Peterborough, England. Machine for dressing revolving grinding wheels. 1,877,637; Sept. 13.
Atkins, Mack, et al. (See Gordon, William S., assignor.)
Atkins, Thomas J., North Arlington, assignor to Carrier Research Corporation, Newark, N. J. Control system. 1,882,726; Oct. 11.
Atkins, Vaol E., Akron Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing apparatus. 1,842,646; Jan. 26.
Atkinson, Albert E., Upper Burma, British India. Drilling of boreholes. 1,848,762; Mar. 8.
Atkinson, Albert E., Upper Burma, British India. Drilling of oil wells and the like. 1,859,490; May 24.
Atkinson, George E., Proctorville, Ohio, assignor, by mesne assignments, to Armstrong Appliance Corporation. Cooking range. 1,860,006; May 24.
Atkinson, George E., Proctorville, Ohio, assignor, by mesne assignments, to Armstrong Appliance Corporation. Reversible electric range. 1,869,649; Aug. 2.
Atkinson, Jerome T., Long Island, assignor to R. H. Macy & Co., Inc., New York, N. Y. Stabilizer for bedsprings. 1,842,063; Jan. 19.
Atkinson, John R., and R. Goodell, Los Angeles, and J. K. Stege, Huntington Park, Calif.; said Goodell and Stege assignors to said Atkinson. Clutch mechanism. 1,841,392; Jan. 19.
Atkinson & Long Mfg. Co. (See Long, Allen T., assignor.)
Atkinson, Ralph R., Princeton, Ind. Mine timbering machine. 1,886,620; Nov. 8.
Atkinson, Ralph W., Perth Amboy, N. J., assignor, by mesne assignments, to General Cable Corporation. High voltage bushing. 1,868,962; July 26.
Atkinson, Ralph W., Perth Amboy, N. J., assignor, by mesne assignments, to General Cable Corporation. Oil-cooled terminal. 1,878,094; Sept. 20.
Atkinson, Samuel C., Columbus, N. J. Cutter. 1,889,624; Nov. 29.
Atkinson, Spencer R., Pasadena, Calif. Orthodontic appliance. 1,869,733; Aug. 2.
Atkinson, Wade & Co. (See Fauser, Gustave M., assignor.)
Atlanta Table Co. (See Reed, Ralph L., assignor.)
Atlantic Bottle Company. (See Ganter, Henry C., assignor.)
Atlantic Broadcasting Corporation. (See Brugger, Emile, assignor.)
Atlantic Carton Corporation. (See Turner, Walter E., assignor.)
Atlantic Coast Fisheries Company. (See Cooke, Alexander H., assignor.)

Atlantic Coast Fisheries Company, The. (See Taylor, Harden F., assignor.)
Atlantic Manufacturing Company, The. (See Hauton, Paul S., assignor.)
Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)
Atlantic Refining Company, The. (See Funsten, S. R., and Perkins, assignors.)
Atlantic Refining Company, The. (See Henderson, L. M., and Ferris, assignors.)
Atlantic Refining Company, The. (See Hill, Joseph, assignor.)
Atlantic Refining Company, The. (See Hill, Joseph B., assignor.)
Atlantic Refining Company. (See Hoel, Archie B., assignor.)
Atlantic Refining Company, The. (See Peterkin, A. G., jr., and Smith, assignors.)
Atlantic Refining Company, The. (See Schott, John E., assignor.)
Atlantic Refining Company, The. (See Smith, L. B., and Ten Broeck, assignors.)
Atlantic Service Company. (See Schaefer, Adolph O., assignor.)
Atlas Aco Chemische Fabrik, Aktiengesellschaft. (See Scholz, Victor, assignor.)
Atlas-Austin Company, The. (See Wittstein, Herman L., assignor.)
Atlas Bolt & Screw Company. (See Schellentrager, Eugene W., assignor.)
Atlas Bolt & Screw Company. (See Schellentrager, E. W., and Clarkson, assignors.)
Atlas Conveyor Company. (See Reed, Percival K., assignor.)
Atlas Conveyor Company. (See Weygandt, L. G., and Reed, assignors.)
Atlas Electric Devices Co. (See Jameson, Clarence W., assignor.)
Atlas Indicator Works, Incorporated. (See Elliott, Lloyd B., assignor.)
Atlas Leather Products Corporation. (See Sockett, Phillip, assignor.)
Atlas Manufacturing Company. (See Bleam, Edgar W., assignor.)
Atlas Manufacturing Company. (See Gaines, Eugene F., assignor.)
Atlas Powder Company. (See Bashford, Raymond I., assignor.)
Atlas Powder Company. (See Farren, William R., assignor.)
Atlas Powder Company. (See Hill, Roy L., assignor.)
Atlas Powder Company. (See Pollock, Frank S., assignor.)
Atlas Powder Company. (See Rolland, Guy F., assignor.)
Atlas Powder Company. (See Stratton, Richard H., assignor.)
Atlas Powder Company. (See Swenehart, John, assignor.)
Atlas Press Company. (See Collins, James G., assignor.)
Atlas Tack Corporation. (See Calloway, Frank S., assignor.)
Atlas Tack Corporation. (See Jacques, George W., assignor.)
Atlas Valve Company. (See Davis, Verner F., assignor.)
Atlas-Werke Aktiengesellschaft. (See Wiesse, Diedrich, assignor.)
Atmospheric Nitrogen Corporation. (See Kniskern, Walter H., assignor.)
Atmospheric Nitrogen Corporation. (See Porter, Frank, assignor.)
Atmospheric Nitrogen Corporation. (See Trotter, Arthur H., assignor.)
Atterbury, Oscar W., San Antonio, Tex. Grass shears, 1,869,295; July 26.
Attl, Ralph, Union City, N. J., assignor to C. T. Rice, New York, N. Y. Typewriter. 1,854,521; June 28.
Attias, Isidor, New York, N. Y. Dumbwaiter doorlock. 1,873,509; Aug. 23.
Attwood, Frank A., assignor to R. A. Lister & Company, Limited, Dursley, England. Electric charging plant. 1,853,850; Mar. 22.
Atwater, Harry A., Kansas City, Mo. Air preheating construction for furnaces. 1,875,693; Sept. 6.
Atwater, Harry H., Pueblo, Colo. Amusement device. 1,844,141; Feb. 9.
Atwater Kent Manufacturing Company. (See Bradley, Charles S., assignor.)
Atwater Kent Manufacturing Company. (See Gilbert, Walter E., assignor.)
Atwater Kent Manufacturing Company. (See Higginbotham, William E., assignor.)
Atwater Kent Manufacturing Company. (See Kingsford, Russell T., assignor.)
Atwater Kent Manufacturing Company. (See MacNabb, Vernon C., assignor.)
Atwater Kent Manufacturing Company. (See McLaughlin, Kenneth M., assignor.)
Atwater Kent Manufacturing Company. (See Miller, John M., assignor.)
Atwater Kent Manufacturing Company. (See Schade, Otto H., assignor.)
Atwater Kent Manufacturing Company. (See Schaeffer, William H., assignor.)
Atwater Kent Manufacturing Company. (See Silva, Albert D., assignor.)
Atwater Kent Manufacturing Company. (See Tarzian, Sarkes, assignor.)
Atwell, Harold V., assignor to Standard Oil Company, Whiting, Ind. Prevention of evaporation losses. 1,852,141; Apr. 5.
Atwell, Harold V., assignor to Standard Oil Company, Whiting, Ind. Distilling petroleum residuum. 1,856,861; May 3.
Atwell, Harold V., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Seal. 1,871,943; Aug. 16.
Atwell, Harold V., et al., trustees. (See Hamblen, J. B., and Kay, assignors.)
Atwill, Gilbert C., and J. O. Browder, assignors of one-third to C. Richter, La Junta, Colo. Vanity case designed for night use. 1,844,878; Feb. 9.
Atwood, Francis C., Newton, Mass. Method of and apparatus for applying a liquid coating to a surface. 1,867,558; July 19.
Atwood, Francis C., Newtonville, Mass., assignor by mesne assignments, to Technicolor, Inc., New York, N. Y. Hardening gelatine films and surfaces and resulting product. 1,865,497; July 5.
Atwood, George D., Brooklyn, N. Y. Spool. 1,853,029; Apr. 12.
Atwood, George D., Brooklyn, N. Y. Spool and making same. 1,865,423; July 5.
Atwood, James T., Rockford, Ill. Outer member of a covered joint hinge. Des. 87,865; Oct. 4.
Atwood, James T., Rockford, Ill. Hinge. Des. 87,866; Oct. 4.
Atwood, James T., Rockford, Ill. Hinge. Des. 87,867; Oct. 4.
Atwood, James T., Rockford, Ill. Hinge and making the same. 1,874,415; Aug. 30.
Atwood, James T., Rockford, Ill. Door bumper. 1,884,505; Oct. 25.
Atwood, Joel H., and C. S. Proctor, assignors to E. H. Priest Ayer, Mass. Box motion for looms. 1,842,305; Jan. 19.
Atwood, Joel H., and Carl S. Proctor, assignors to Edith H. Priest, Ayer, Mass. Head motion for looms. 1,877,759; Sept. 20.
Atwood, Jules E., Darien, Ga. Turpentine cup. 1,855,661; Apr. 26.
Atwood Machine Company, The. (See Bachmann, E. P., and Lasch, assignors.)
Atwood Machine Company, The. (See Rowe, Irving R., assignor.)
Atwood, Seth B., Rockford, Ill. Door bumper. 1,884,506; Oct. 25.
Atwood, Seth B., Rockford, Ill. Door bumper. 1,886,934; Nov. 8.
Atwood, Winfield A., Yeadon, Pa., assignor to General Electric Company. Electric switch. 1,887,535; Nov. 15.
Auble, Robert N., Indianapolis, Ind. Circuit for radio communication. 1,859,016; May 17.
Aubort, Edouard, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Method and apparatus for suppressing harmonics in direct current systems. 1,873,932; Aug. 30.
Aubrey, William H. (See Buehler, L., jr., and Aubrey.)
Auburn, Hubert, Mount Healthy, Ohio. Book or binder. 1,890,159; Dec. 6.
Auburn, Hubert, Mount Healthy, Ohio. Binder for loose leaves or sheets. 1,891,037; Dec. 13.
Audibert, Etienne, assignor to Societe Nationale de Recherches sur le Traitement des Combustibles, Senlis, France. Device for producing exothermic reactions between gases by contact with a solid catalyzer. 1,870,665; Aug. 9.
Audiffren, Marcel, Cannes, and A. Singrün, Epinal, France. Rotary refrigerating machine. 1,889,817; Dec. 6.
Audiffren Refrigerating Machine Company. (See Karr, A. D., and Perkins, assignors.)
Audio Cinema. (See Lane, George, assignor.)
Auditone Company. (See Kiel, John R., assignor.)
Auditorium Ventilating Corporation. (See Buensod, Alfred C., assignor.)
Aufley Engineering Company Limited. (See Leach, Robert W., assignor.)
Auerbach, Fred. (See Madigan, Thomas J., assignor.)
Auerbach, Rudolf, Berlin-Neuenhagen, assignor to W. Steinhorst, Leipzig, Germany. Coating material for metal articles. 1,855,377; Apr. 26.
Auerbach, Zonach, New York, N. Y. Index or filing system. 1,868,156; July 19.
Auerbacher, William, St. Paul, Minn. Broom mop. 1,845,696; Feb. 16.
Auerbacher, William, St. Paul, Minn. Broom mop. 1,845,780; Feb. 16.
Auerhaan, Joseph J., assignor to J. H. Worthington, Brooklyn, N. Y. Amplifying horn. 1,885,403; Nov. 1.
Aufderheide, Fred C., St. Louis, Mo. Wall veneer. 1,886,363; Nov. 8.
Aufiero, John M., Brooklyn, N. Y. Bracket. Des. 87,702; Sept. 6.
Aufiero, John M., Brooklyn, N. Y. Motor and motor horn. 1,845,575; Feb. 16.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn. 1,874,078; Aug. 30.

Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn. 1,883,458; Oct. 18.

Aufuldish, John B., assignor to The Multiple Valve & Manufacturing Company, Dayton, Ohio. Valve mechanism. 1,844,086; Feb. 9.

Auger, Joseph T., assignor of one-third to E. O. Voyer and one-third to R. H. Monahan, Minneapolis, Minn. Rolls for corrugating sheet material. 1,868,302; July 19.

Augner, Paul, Philadelphia, Pa. Propeller. 1,853,890; Apr. 12.

August, Andrew A., Chicago, and B. J. Victor, Oak Park, assignors to Victor Manufacturing and Gasket Company, Chicago, Ill. Protecting device. 1,862,651; June 14.

Augustin, William F., Chicago, Ill. Garment support. 1,852,977; Oct. 18.

Auker, Hubert H., Ashtabula, and C. W. Stevens, Jefferson, assignors of one-third to H. A. Gleason, Conneaut, Ohio. Radiator and engine jacket clean-out device. 1,887,906; Nov. 15.

Aulbach, Charles J. (See Punte, W. F., and Aulbach.)

Auld, D. L., Company, The. (See Hyatt, Raymond D., assignor.)

Auld, D. L., Company, The. (See Moats, DeWitt T., assignor.)

Auld, George R., assignor to Frigidaire Corporation, Dayton, Ohio. Method and apparatus for making heat interchangers. 1,884,964; Oct. 25.

Auld's Superpotato. (See Carney, Harry E., assignor.)

Ault, Harry. (See Decker, J. C., and Ault.)

Ault, Wilson, jr. (See Washington, B., and Ault.)

Ault, Wilson, jr., Astoria, N. Y. Grid suppressor for stabilising radiofrequency amplifiers. 1,851,078; Mar. 29.

Ault, Wilson, jr., Astoria, N. Y. Remote control apparatus. 1,881,394; Oct. 4.

Ault, Wilson, jr., Astoria, N. Y. Radioreception. 1,881,395; Oct. 4.

Aulmann, Theodore, Des Moines, Iowa. Elevator cage. 1,854,500; Apr. 19.

Aulson, Philip G., assignor to The Aulson Tanning Machinery Company, Salem, Mass. Leather finishing machine. 1,847,741; Mar. 1.

Aulson Tanning Machinery Company, The. (See Aulson, Philip G., assignor.)

Ault, Frank, assignor to The Salem Pottery Company, Salem, Ohio. Apparatus for underglaze decorating print ware. 1,840,008; Jan. 5.

Ault, Harvey W., Seattle, Wash. Coat and trousers hanger. 1,852,391; Apr. 5.

Aurand, Frank E., Oak Park, Ill. Slotting machine. 1,848,817; Mar. 8.

Aurand, Frank H., Chicago, Ill. Portable surface cleaning tool. 1,874,220; Aug. 30.

Aurelius, Bernard E. (See Aurelius, Eugene A., assignor.)

Aurelius, Eugene A., assignor of one-half to B. E. Aurelius, Braham, Minn. Egg beater. 1,848,925; Mar. 8.

Auren, John W., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resilient shaft coupling. 1,874,152; Aug. 30.

Aurig, Max, and G. Brücklmayer, assignors to L. and F. H. Thaussen, Munich, Germany. Apparatus for centrifugally treating gases, vapors, and the like. 1,858,570; May 17.

Auringer, George, New Rockford, N. Dak. Pipe cleaner. 1,863,460; June 14.

Auriol, Louis P. A., assignor to Société Francaise des Munitions de Chasse, de Tir et de Guerre, Paris, France. Fuse of specially responsive type for projectiles. 1,852,951; Apr. 5.

Auriol, Paul, Paris, France. Internal combustion engine with stated compression and expansion. 1,845,862; Feb. 16.

Aurlie, Hans J., Spring Valley, Minn. Sash holder. 1,845,014; Feb. 16.

Aurora Metal Cabinet Co. (See Fohn, Adolph E., assignor.)

Aurora Sign Company. (See Gross, Joseph E., assignor.)

Aurora Steel Products Company. (See Furnas, Don R., assignor.)

Aurora X-Ray Corporation. See Humphreys, Edwin S., assignor.)

Aurori, Frank F., Jackson Heights, and C. G. G. Schmidt, Lyubrook, assignors to Charles G. G. Schmidt & Company, Inc., New York, N. Y. Sand papering machine. 1,881,162; Oct. 4.

Aurvansen, Frederick, Jamaica, N. Y. Bridge. 1,866,613; July 12.

Austen, Frederick H., Leicester, England. Radiator. 1,888,900; Nov. 22.

Auster, Louis, New York, N. Y. Hand protector for golfers. 1,887,278; Nov. 8.

Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission tower having insulating sections with protecting gaps or resistance. 1,847,421; Mar. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments to The Ohio Brass Company, Mansfield, Ohio. Transmission line construction. 1,847,422; Mar. 1.

Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Increasing flash-over voltage and resistance between high tension conductors and ground. 1,847,460; Mar. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,847,461; Mar. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line support. 1,847,462; Mar. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,847,463; Mar. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line. 1,847,464; Mar. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Air break switch. 1,856,121; May 3.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electrostatic coupling. 1,856,122; May 3.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Heater for insulators. 1,856,123; May 3.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Heater for insulators. 1,856,124; May 3.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Heater for insulators. 1,856,125; May 3.

Austin, Arthur O., near Barberton, assignor, by mesne assignments to The Ohio Brass Company, Mansfield, Ohio. Current transformer. 1,861,076; May 31.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Protection of wood poles by an interrupted or shunt path. 1,863,080; June 14.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Compensating strut type insulation. 1,868,479; July 26.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Current transformer. 1,868,481; July 26.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,868,482; July 26.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transformer. 1,868,483; July 26.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transformer. 1,868,484; July 26.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Pole fitting. 1,869,877; Aug. 2.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Current transformer. 1,869,878; Aug. 2.

Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Wood support for conductors. 1,876,577; Sept. 13.

Austin, Arthur O., Barberton, assignor, by mesne assignments to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,876,578; Sept. 13.

Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,876,579; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,876,580; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Heavy current bushing. 1,876,581; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Coating and heat treating. 1,876,582; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,876,583; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Conductor clamp. 1,876,584; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for cables and other devices. 1,876,585; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for insulators. 1,876,586; Sept. 13.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,882,728; Oct. 25.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line support. 1,885,317; Nov. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line support. 1,885,318; Nov. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line. 1,885,504; Nov. 1.

Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Hygrometer. 1,890,565; Dec. 13.

Austin, Bascum O., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Selector switch. 1,856,741; May 3.

Austin, Bascum O., and N. H. Willby, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Automatic series-parallel control for self-propelled vehicles. 1,860,528; May 31.

Austin, Bert H., Los Angeles, Calif. Button fastener. 1,845,737; Feb. 16.

Austin, Dwight E., Los Angeles, Calif. Automobile. Des. 87,502; Aug. 9.

Austin, Dwight E., Los Angeles, Calif. Vehicle top inclosure means. 1,839,727; Jan. 5.

Austin, Dwight E., Los Angeles, Calif. Vehicle and sleeping berth construction. 1,864,710; June 28.

Austin, Francis S., assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Controlling the supply of oxygen to blowpipes. 1,853,329; Apr. 12.

Austin, Francis S., assignor to Carbo-Oxygen Company, Pittsburgh, Pa., Blowpipe. 1,857,344; May 10.

Austin, Frederick, Bayside, N. Y. Agricultural implement. 1,856,065; May 3.

Austin, Gilbert, and J. C. and W. A. MacFarlane, Glasgow, Scotland. Constant current electric generator. 1,879,014; Sept. 27.

Austin, Harry M., Chestnut Hill., assignor to Charles Blum, Philadelphia, Pa. Coin-controlled drink dispensing apparatus. 1,864,175; June 21.

Austin, Harry M., Chestnut Hill, assignor to Charles Blum, Philadelphia, Pa. Moving sign. 1,865,498; July 5.

Austin, Herbert, Bromsgrove, England. Vehicle body having a sliding top. 1,854,982; Apr. 19.

Austin, Herbert, Bromsgrove, England. Change speed gear for motor vehicles. 1,876,587; Sept. 13.

Austin, Herbert, Bromsgrove, England. Motor car body fitted with collapsible or folding top. 1,876,588; Sept. 13.

Austin, John B., East Cleveland, Ohio. High speed welding electrode. 1,882,311; Oct. 11.

Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Tracker mechanism for musical instruments. 1,879,015; Sept. 27.

Austin, Joseph H., Louisville, Ky., assignor to P. Lorillard Company, New York, N. Y. Threshing machine for tobacco. 1,879,016; Sept. 27.

Austin Machinery Corporation. (See Bentson, Hans J., assignor.)

Austin Machinery Corporation. (See Swanson, Hilbert E., assignor.)

Austin Manufacturing Co. (See Wilson, Fred D., assignor.)

Austin, Miner M., Waukegan, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Pressure welding electrode. 1,878,095; Sept. 20.

Austin Organ Company, The. (See Austin, John T., assignor.)

Austin, Ralph W., Weymouth, Mass. Fire extinguisher charge. 1,863,321; June 14.

Austin, Walter S., Grand Rapids, Mich. Two-speed axle gearing. 1,874,153; Aug. 30.

Austin, William E. (See Caspe, J., and Austin.)

Austin, William J., Council Bluffs, Iowa. Animal trap. 1,854,739; Feb. 9.

Austral Window Company. (See Ellison, Edward H., assignor.)

Auten, Claude I., assignor to Truscon Steel Company, Youngstown, Ohio. Building structure. 1,839,512; Nov. 29.

Auth, Charles, assignor to Auth Electrical Specialty Co. Inc., New York, N. Y. Directory type push button assembly. 1,851,145; Mar. 29.

Auth Electrical Specialty Co., Inc. (See Auth, Charles, assignor.)

Autocall Company, The. (See Richmond, Louis E., assignor.)

Autocraft Company, The. (See Smith, Boyd H., assignor.)

Autocraft Box Corporation. (See Adamson, Allan A., assignor.)

Autofind Corporation. (See Smith, Harry C., assignor.)

Autofont Company, The. (See Olsen, Henry H., assignor.)

Auto Fount Limited. (See McLellan, James H., assignor.)

Autogas Corporation. (See Wetherbee, Ashur U., assignor.)

Autogiro Company of America. (See de la Cierva, Juan, assignor.)

Autogiro Company of America. (See Morse, Roy W., assignor.)

Autogiro Company of America. (See Pecker, Joseph S., assignor.)

Autogiro Company of America. (See Pitcairn, Harold F., assignor.)

Autogiro Company of America. (See Pitcairn, H. F., and de la Cierva, assignors.)

Autogiro Company of America. (See Stanley, Paul H., assignor.)

Autograf Tooth Brush Co. (See Marogg, Richard, assignor.)

Autographic Register Company. (See Brenn, Carl W., assignor.)

Autographic Register Company. (See Schultz, Frank, assignor.)

Autokal Syndicate Limited, The. (See Isherwood, Harold, assignor.)

Autokraft Box Corporation. (See Adamson, Allan A., assignor.)

Automat Molding & Folding Company, The. (See Aldrich, J. P., and Morris, assignors.)

Automat Molding & Folding Company, The. (See Morris, Howard A., assignor.)

Automatic Brake Corporation. (See Libbey, Frederick I., assignor.)

Automatic Burner Corporation. (See Perry, Stanley, assignor.)

Automatic Centrifugal Company. (See Herr, Homer A., assignor.)

Automatic Clutch & Machine Co. (See Lake, David, assignor.)

Automatic Coal Burner Co. (See Ousdahl, Adolph, assignor.)

Automatic Coal Burner Company. (See Peltz, G. M., and Jackson, assignors.)

Automatic Coinwrapping Machine Corporation. (See Seemel, Bruno E., assignor.)

Automatic Electric Company. (See Turney, Trevor H., assignor.)

Automatic Electric Heater Company. (See Clark, Gordon H. and W. F., assignors.)

Automatic Electric Heater Company. (See Clark, Warren F., assignor.)

Automatic Fire Extinguisher & Alarm Co. (See Pohl, Ernest F., assignor.)

Automatic Food Machinery Corporation. (See Hall, Charles G., assignor.)

Automatic Food Machinery Corporation. (See Starks, Charles W., assignor.)

Automatic Freezer Corporation. (See Loranger, Hubert R., assignor.)

Automatic Gas Steam Radiator Company. (See Blackmore, George W., assignor.)

Automatic Gas Steam Radiator Company. (See Blackmore, James S., assignor.)

Automatic Humidifier Company. (See Galloway, James W., assignor.)

Automatic Machine Products Corp. (See Smith, Arthur C., assignor.)

Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)

Automatic Musical Instrument Company. (See Kenyon, B. C., Roe, and Orton, assignors.)

Automatic Musical Instrument Company. (See Yelder, Harry A., assignor.)

Automatic Nut-Thread Corporation. (See Safford, Lewis A., assignor.)

Automatic Paper Machinery Co. (See Marcalus, Nicholas, assignor.)

Automatic Parking Systems, Inc. (See Becker, Alfonse N., assignor.)

Automatic Pearl Button Co. (See Keffio, Albert F., assignor.)

Automatic Products Company. (See Taylor, Frank C., assignor.)

Automatic Projector-Operator Inc. (See Fenner, H. H., and Silvis, assignors.)

Automatic Radio Corporation. (See Riegel, Guy E., assignor.)

Automatic Recording Safe Company, The. (See Anderson, Edward A., assignor.)

Automatic Recording Safe Company, The. (See Grunwald, Albert C., assignor.)

Automatic Research and Manufacturing Company. (See Rodie, Clifton R., assignor.)

Automatic Safety Signal Gate Co. (See Dilley, M. M., and Fraser, assignors.)

Automatic Sprinkler Company. (See Lowe, Ernest A., assignor.)

Automatic Sprinkler Company. (See Lowe, E. A., and Hamilton, assignors.)

Automatic Sprinkler Company of America. (See Lowe, Ernest A., assignor.)

Automatic Sprinkler Company of America. (See Lowe, E. A., and Hamilton, assignors.)

Automatic Telephone Manufacturing Company Limited. (See Rosby, Philip N., assignor.)

Automatic Transmission Company. (See Lyman, Kenneth E., assignor.)

Automatic Transportation Company, The. (See Gfrorer, Albert H., assignor.)

Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)

Auto-Meter Company. (See Huggins, Merion J., assignor.)

Automobile Storage Elevator Company, The. (See Goddard, Charles Franklin, assignor.)

Auto Mop Manufacturing Company. (See Larberg, George O., assignor.)

Automotive Accessories Company. (See Parr, Harry L., assignor.)

Automotive Devices Corporation. (See Cunnius, Calvin T., assignor.)

Automotive Engineering Corporation. (See Fageol, Rollie B., assignor.)

Automotive Engineering Corporation. (See Marcum, Arthur I., assignor.)

Automotive Engineering Corporation. (See Rayburn, Alden G., assignor.)
Automotive Engineering Corporation. (See Rayburn, Alden G. and E. M., assignors.)
Automotive Engineering Corporation et al. (See Rayburn, Elwyn M. and A. G., assignors.)
Automotive Engineering Corporation. (See Rayburn, Alden G. and E. M., and Sumner, assignors.)
Automotive Fan & Bearing Co. (See Gardner, Archibald D., assignor.)
Automotive Maintenance Machinery Company. (See Strand, H., and Jackson, assignors.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Automotive Patent Holding Company. (See Ahlm, Charles E. F., assignor.)
Automotive Patent Holding Company. (See Soule, George M., assignor.)
Automotive Process Corporation. (See John, Robert, assignor.)
Automotive Research Corporation, The. (See Ahlm, Charles E. F., assignor.)
Automotive Research Corporation. (See Swenson, Carl E., assignor.)
Automotive Research Corporation. (See Thompson, Fred C., assignor.)
Auto-Ordnance Corporation. (See Payne, Oscar V., assignor.)
Autopoint Company. (See Deli, F. C., and Foth, assignors.)
Autopoint Company. (See Deli, F. C., Groseclose, and Foth, assignors.)
Autoposts Company Inc. (See Condon, Edward T., assignor.)
Auto Radiator Manufacturing Company. (See Kirsch, Benjamin, assignor.)
Auto Radiator Manufacturing Company. (See Medville, Albert B., assignor.)
Auto Radiator Manufacturing Company. (See Pardee, H. S., and Kirsch, assignors.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Auto Research Corporation. (See Kocher, Edward H., assignor.)
Auto Research Corporation. (See Thomas, Thomas R., assignor.)
Auto-Sales Corporation. (See Grant, Garnet P., assignor.)
Auto Shift Corporation. (See Pitman, H. L., and Kurowski, assignors.)
Auto Specialties Manufacturing Company. (See Lucker, Millard B., assignor.)
Auto Spring Control Company. (See Thayer, Allan A., assignor.)
Auto Truck Equipment Company. (See Styslinger, Leo J., assignor.)
Auto Wheel Lift Corporation. (See Zimmerman, Samuel R., assignor.)
Autoyre Company, Inc., The. (See Mosgrove, Charles A., assignor.)
Auzin, John M., Warwick, R. I. Spark plug for internal combustion engines. 1,870,981; Aug. 9.
Avakian, Arsen H., Long Beach, Calif. Precipitating silica from solution in alkali brines. 1,888,484; Nov. 22.
Avakian, Neshan, Detroit, Mich. Signal operating mechanism. 1,876,829; Sept. 13.
Avallone, Matteo D., East Boston, Mass. Scaffolding. 1,868,187; July 19.
Avedon, William C., New York, N. Y., assignor to D. Dyresen, Somerville, Mass. Closure for garments and other purposes. Re18,571; Aug. 23.
Averell, Sylvester G., assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,840,347; Jan. 12.
Averell, Sylvester G., assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,847,231; Mar. 1.
Averell, Sylvester G., New York, N. Y., and R. B. Wasson, Cranford, N. J., assignors to John Chatillon & Sons, New York, N. Y. Spring scale. 1,840,346; Jan. 12.
Avery, Alfred H., Malden, assignor to North American Chemical Company, Boston, Mass. Shoe filler piece. 1,868,041; July 19.
Avery, Alfred H., Malden, assignor to North American Chemical Company, Cambridge, Mass. Tool for laying shoe filler. 1,882,729; Oct. 18.
Avery, B. F., & Sons. (See Ray, Charles T., assignor.)
Avery, Charles E. (See Hubbell, H., jr., and Avery.)
Avery, Charles E., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Push through socket. 1,882,055; Oct. 11.
Avery, Harold T, San Luis Obispo, Calif. Automatic navigator. 1,854,391; Apr. 19.
Avery, Harold T., San Luis Obispo, Calif. Automatic steering device. 1,882,730; Oct. 18.
Avery, Harold T., Oakland, Calif. Altitude control. 1,860,402; Jan. 31.
Avery, Harold T., Oakland, Calif. Automatic banking control. 1,889,273; Nov. 29.
Avery, James H. (See Wentworth, P. C., and Avery.)
Avery, John, New Lexington, Ohio. Clinometer. 1,851,886; Mar. 29.
Avery, K & T., Limited. (See Timson, William, assignor.)
Avery Power Machinery Company. (See Hill, J. E., and Troutman, assignors.)
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Window bag. 1,857,010; May 3.
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Foil lined bag. 1,885,670; Nov. 1.
Avery, W. & T., Limited. (See Bradley, Leslie C., assignor.)
Avery, W. & T., Limited. (See Sykes, Cameron M., assignor.)
Avery, W. & T., Limited. (See Taylor, John W., assignor.)
Avery, W. & T., Limited. (See Timson, William, assignor.)
Avery, William L., assignor to The India Rubber Gutta Percha and Telegraph Works Company Limited, London, England. Fluid operated friction brake. 1,872,615; Aug. 16.
Avery, William L., assignor to The India Rubber Gutta Percha and Telegraph Works Company Limited, London, England. Producing fluid pressure. 1,887,880; Nov. 15.
Aviation Patent and Research Corporation, The. (See Depew, Richard H., jr., assignor.)
Aviation Patent and Research Corporation, The. (See Markey, Roscoe I., assignor.)
Aviation Patent and Research Corporation, The. (See Miller, Roy G., assignor.)
Aviation Patent and Research Corporation, The. (See Rivers, Elmer J., assignor.)
Avigdor, Rifat, Berlin-Charlottenburg, Germany. Delivery-pump for liquids. 1,883,459; Oct. 18.
Avilla, Philip, Daly City, Calif. Meat cutting band saw. 1,848,300; Mar. 8.
Avilla, Philip, Daly City, assignor of two-fifths to T. E. Hinde, Burlingame, Calif. Band saw pulley drive. 1,863,822; June 21.
Avis, Samuel W., Millbrook, Greenwich, Conn., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Dial arrangement for nut making apparatus. 1,885,215; Nov. 1.
Avis, Samuel W., Greenwich, Conn., and M. H. Ames, Waltham, Mass., assignors to Russell Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Tool holder for nut making apparatus. 1,874,416; Aug. 30.
Avon, James Wm., The T. D. Mason's Drummoyne, New South Wales, Australia. Blade holder for safety razors whereby the stropping is facilitated. 1,852,280; Apr. 5.
Avon Sole Company. (See Cary, William H., assignor.)
Avon Sole Company. (See Packard, Everett T., assignor.)
Awbrey, Ethel. (See Awbrey, Samuel C., assignor.)
Awbrey, Samuel C., assignor to Ethel Awbrey, Kansas City, Mo. Carpet securing device. 1,847,373; Mar. 1.
Axe, Roy T. (See Edwards, O. M., and Axe.)
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sash holder with antirattler means. 1,869,650; Aug. 2.
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window and window sash construction. 1,885,216; Nov. 1.
Axelson, Arthur E., and R. B. Schwartz, Portland, Oreg. Vending machine. 1,852,392; Apr. 5.
Axien, Johann H., Hamburg, assignor to H. Springer, Altona, Germany. Can filling machine. 1,857,931; May 10.
Axt, Joseph and Paul, Milwaukee, Wis. Spirit level. 1,878,751; Sept. 20.
Axt, Paul. (See Axt, Joseph and P.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can filling device. 1,846,827; Feb. 23.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can washing and feeding mechanism. 1,850,067; Mar. 22.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can filling machine. 1,883,460; Oct. 18.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Liquid supply mechanism. 1,888,212; Nov. 22.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Ayer, Raymond B., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 1,848,092; Mar. 1.
Ayers, Bernard H., Norfolk, Va. Automatic producing valve. 1,881,163; Oct. 4.
Ayers, Bernard H., Nobe, W. Va. Automatic producing valve. 1,892,455; Dec. 27.
Ayers, Bert M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,870,553; Aug. 16.
Ayers, Florence, Topeka, Kans. Garment. Des. 88,065; Oct. 25.
Ayers, Gerald B., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Supporting and operating means for doors. 1,881,014; Oct. 4.
Ayers, Gerald B., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Supporting and operating means for doors. 1,881,015; Oct. 4.
Ayers, Harrison, assignor of one-half to H. Burnley, Nashville, Tenn. Water purifying apparatus. 1,861,896; June 7.
Ayerst, Harry C., Seattle, Wash. Process and mechanism for forming hollow ware articles. 1,859,325; May 24.
Aylsworth, Selden B., assignor to The Union Switch & Signal Company, Swissvale, Pa. Transformer relay. 1,866,147; July 5.

Aynge, William E., London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y. Magazine of typographical line composing machines. 1,860,882; May 31.

Ayotte, Joseph R., assignor to The Norlipp Company, Chicago, Ill. Electric cigar lighter. 1,849,781; Feb. 23.

Ayres, Eugene E., jr., Swarthmore, assignor to The B. A. S. Company, Philadelphia, Pa. Esterification. 1,869,837; Aug. 2.

Ayres, Eugene E., jr., Swarthmore, assignor to The B. A. S. Company, Philadelphia, Pa. Producing alcohols from gasoline. 1,869,928; Aug. 2.

Ayres, Seymour A., assignor to Reo Motor Car Company, Lansing, Mich. Article handling device. 1,859,233; May 24.

Azarraga, Luis, Hempstead, N. Y. Camera. 1,885,102; Nov. 1.

Azopardi, Emanuel, Detroit, Mich. Road clearance device. 1,860,217; May 24.

B. A. S. Company, The. (See Ayres, Eugene E., jr., assignor.)

B B Corporation. (See Baumheckel, William M., assignor.)

B. & B. Shoe Company. (See Bernstein, Julius, assignor.)

B. E. G. Z. Company. (See East, W. H., and H. F. and W. H. Zent, assignors.)

B. H. P. By-Products Proprietary Limited. (See Broadhead, C. F., and Andrews, assignors.)

B-L Electric Manufacturing Company, The. (See Hambuechen, Carl, assignor.)

B. & N. Ring Manufacturing Company. (See Nichols, John M., assignor.)

B. O. T. Manufacturing Company. (See Tilden, Bert O., assignor.)

B R E Manufacturing Co. (See Leslie, Howard C., assignor.)

Baardseth, Sigvart, Coronation, Alberta, Canada. Adjustable pump jack balance. 1,844,815; Feb. 9.

Baars, Ernest S. H., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Cooling and ice tank coils. 1,863,892; June 21.

Baars, Ernst S. H., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Cooling and ice tank coils. 1,869,792; Aug. 2.

Baars, Ernst S. H., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerating apparatus. 1,880,653; Oct. 4.

Baash, Clarence P., Los Angeles, E. Burns and G. B. Garrard, Long Beach, Calif. Packer for casing heads. 1,845,219; Feb. 16.

Baash, Clarence P., and W. H. Maxwell, Los Angeles, Calif. Tongs. 1,845,389; Feb. 16.

Baash, Lawrence F., E. Burns, Los Angeles, and G. B. Garrard, Long Beach, Calif. Packer for casing heads. 1,872,219; Aug. 16.

Baash-Ross Tool Company. (See Burns, Erwin, assignor.)

Baba, Kumee, Hitachi-Machi, Taga-Gun, assignor to Kabushiki Kaisha Hitachi Seisakusho, Tokyo, Japan. Electrode for electrolytic apparatus. 1,851,481; Mar. 29.

Babare, George, Tacoma, Wash. Woodworking machinery. 1,840,803; Jan. 12.

Babb, Edwin Antman, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa. Making conduits or the like. 1,870,444; Sept. 6.

Babb, James M. (See Wm. Hudson, jr.)

Babb, Polk C. (See Wingo, W. W., Smedley, and Babb.)

Babb, Walter A., Glendale, Calif. Hammer. 1,867,201; Jul. 12.

Babb, Walter A., Glendale, Calif. Atomizing oil burner. 1,874,848; Aug. 30.

Babbitt, Bethel J., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for determining magnetic properties of materials. 1,855,849; Apr. 26.

Babcock, Earl, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Method of and apparatus for producing continuous refrigeration. 1,865,813; July 5.

Babcock, George H., assignor to Rayner Decalcomania Company, Chicago, Ill. Applying sign characters. 1,875,409; Aug. 9.

Babcock, George H., assignor to Rayner Decalcomania Company, Chicago, Ill. Apparatus for applying sign characters. 1,875,410; Sept. 6.

Babcock, Justin K., Cleveland, Ohio. Coupling. 1,888,966; Nov. 22.

Babcock, Leon W., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing fermentable sugars and alcohol from wood. 1,855,464; Apr. 26.

Babcock Manufacturing Co. (See Reynolds, Arthur W., assignor.)

Babcock, Richard J., Los Angeles, Calif. Rotary cooker. 1,870,476; Aug. 9.

Babcock & Wilcox Company, The. (See Black, John E., assignor.)

Babcock & Wilcox Company. (See Cassidy, Perry R., assignor.)

Babcock & Wilcox Company, The. (See Collins, Thomas, assignor.)

Babcock & Wilcox Company, The. (See Cooper, Lester H., assignor.)

Babcock & Wilcox Company, The. (See Daniels, George H., assignor.)

Babcock & Wilcox Company, The. (See Davy, Christopher H., assignor.)

Babcock & Wilcox Company, The. (See Ebbets, George D., assignor.)

Babcock & Wilcox Company, The. (See Eckroate, Otto F., assignor.)

Babcock & Wilcox Company, The. (See Hall-Brown, A., and Jones, assignors.)

Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)

Babcock & Wilcox Company, The. (See Horsman, Henry S., assignor.)

Babcock & Wilcox Company, The. (See Hoxie, Vivian W., assignor.)

Babcock & Wilcox Company, The. (See Hoxie, William D., assignor.)

Babcock & Wilcox Company, The. (See Hubbard, Norman, assignor.)

Babcock & Wilcox Company. (See Iangvand, Ivar L., assignor.)

Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)

Babcock and Wilcox Company, The. (See Jacobus, D. S., and Jones, assignors.)

Babcock & Wilcox Company, The. (See Johnson, Charles H., assignor.)

Babcock & Wilcox Company, The. (See Jones, William A., assignor.)

Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)

Babcock & Wilcox Company. (See Kerr, H. J., and Fletcher, assignors.)

Babcock & Wilcox Company, The. (See Kerr, H. J., and Silvoye, assignors.)

Babcock & Wilcox Company, The. (See Kerr, H. J., and Trainer, assignors.)

Babcock & Wilcox Company, The. (See Kölling, Johann, assignor.)

Babcock & Wilcox Company, The. (See Langvand, Ivar L., assignor.)

Babcock & Wilcox Company, The. (See Langvand, I. L., and Kerr, assignors.)

Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)

Babcock & Wilcox Company, The. (See Lucke, C. E., and Hick, assignors.)

Babcock & Wilcox Company, The. (See Lulofs, Warner, assignor.)

Babcock & Wilcox Company, The. (See Noble, Ernest E., assignor.)

Babcock & Wilcox Company, The. (See Parker, J. W., and Black, assignors.)

Babcock & Wilcox Company, The. (See Penman, Robert, assignor.)

Babcock & Wilcox Company, The. (See Ramsthaler, Louis, assignor.)

Babcock & Wilcox Company, The. (See Springer, William O., assignor.)

Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)

Babcock & Wilcox Company, The. (See Thorn, J. L., assignor.)

Babcock & Wilcox Company, The. (See Trainer, J. E., and Jones, assignors.)

Babcock & Wilcox Company, The. (See Trainer, J. E., and Langvand, assignors.)

Babcock & Wilcox Company, The. (See Valladares, Frank, assignor.)

Babcock & Wilcox Company, The. (See Whittam, Benjamin B., assignor.)

Babcock & Wilcox Company, The. (See Wilcoxson, Leslie S., assignor.)

Babel, Elmer H. (See Robers, C. R., Babel, and Broderson.)

Baber Company. (See Baber, John L., jr., assignor.)

Baber, John L., jr., Lynchburg, Va. Accounting system and apparatus. 1,857,123; May 10.

Baber, John L., jr., New York, N. Y., assignor to Baber Company, Boston, Mass. Article handling mechanism. 1,868,074; June 21.

Babin, Maurice J., New York, N. Y. Lift pump. 1,871,577; Aug. 16.

Babin, Telesphore, Houma, La. Safety heater. 1,892,563; Dec. 27.

Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Fuel and air pump. 1,857,675; May 10.

Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Pump drive. 1,857,676; May 10.

Bitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Pump combination. 1,889,396; Nov. 29.

Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Fuel pump operating part. 1,891,902; Dec. 27.

Babitt, Joseph F., Wellington, Ohio. Safety appliance for ladders. 1,879,017; Sept. 27.

Babo, Kurt C. (See McCleary, F. E., Babo, and Rayner.)

Babst, Carl M., Cleveland, Ohio. Railway track and tie raising device. 1,843,103; Feb. 2.

Babula, Maciej M. A., Greenwich, Conn. Buoyant aeroplane. 1,853,653; Apr. 12.

Baccaro. John P., assignor of one-half to Rosario Camuglia, Rochester, N. Y. Garment pocket. 1,833,461; Oct. 18.

Bacchus, Thomas W., assignor to Hercules Powder Company, Wilmington, Del. Treating fibrous materials. 1,856,453; May 3.

Bach, George W., assignor to Union Iron Works, Erie, Pa. Water tube steam boiler. 1,840,426; Jan. 12.

Bacharach, George, assignor of thirty per cent to Radio Patents Corporation, New York, N. Y. Manufacture of cinnamic acid. 1,853,030; Apr. 12.

Bacharach Industrial Instrument Company. (See Stein, J. A. and Vayda, assignors.)

Bachbuber, Leo. (See Fitz, C. L., and Bachbuber.)

Bacheldor, William. (See Cahoon, S. E., and Bacheldor.)

Bacheldor, William H. (See Wood, W. E., and Bacheldor.)

Bachelet, Albert E. (See Buhl, F. S., and Bachelet.)

Bachelet, Albert E., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for reduction discharge devices. 1,841,394; Jan. 19.

Bacheller, Raymond G., assignor to Hartford-Empire Company, Hartford, Conn. Conveying mechanism for glassware and the like. 1,840,201; Jan. 12.

Bachelor, Charles D. (See Miller, A. H., and Bachelor.)

Bachler, Mary. (See Konikow, Israel G., assignor.)

Bachman, Rollin L., Lakewood, assignor to The United States Air Compressor Company, Cleveland, Ohio. Grease gun. 1,851,342; Mar. 29.

Bacher, Rollin L., Lakewood, assignor to The U. S. Air Compressor Company, Cleveland, Ohio. Power pump. 1,884,507; Oct. 25.

Bacher, Rollin L. and W. R. Bauman, Lakewood, assignors to The United States Air Compressor Company, Cleveland, Ohio. Pump for spraying apparatus. 1,844,416; Feb. 9.

Bachland, Victor, Worcester, Mass. Shoe skate. 1,844,025; Feb. 9.

Bachmann, Eugene P., and W. H. Lasch, Philadelphia, Pa., assignors, by mesne assignments, to The Atwood Machine Company, Jersey City, N. J. Method and apparatus for treating or moistening yarn. 1,850,047; Mar. 15.

Bachmann, Heinrich, Magdeburg, Germany. Taper pin. 1,849,728; Mar. 15.

Bachrach, Joseph. (See Nilsson, O. F., and Bachrach.)

Bacigalupi, Joseph M., Oakland, Calif., assignor to Marchant Calculating Machine Company. Work feeding device. 1,844,922; Feb. 23.

Back, Robert, assignor to The Wahl Company, Chicago, Ill. Band for a fountain pen or the like. Des. 86,438; Mar. 8.

Back, Robert, assignor to The Wahl Company, Chicago, Ill. Fountain pen. Des. 87,378; July 19.

Back, Robert, assignor to The Wahl Company, Chicago, Ill. Desk pen receptacle. Des. 87,953; Oct. 18.

Backer, Christian B., Ottawa, Ontario, Canada. Tubular heater terminal. 1,857,614; May 10.

Backer, Christian B., Ottawa, Ontario, Canada. Tubular heater. 1,857,615; May 10.

Backes, Peter. (See Hentrich, W., Tietze, Ossenbeck, and Backes.)

Backstay Welt Company. (See Barr, Glen G., assignor.)

Backstay Welt Company. (See Jansen, Stanley W., assignor.)

Bäckström, Sigurd M. (See Munters, C. G., and Bäckström.)

Backus, John C., deceased, Hamlin Bank & Trust Company, and F. Bieve, Spokane, Wash., executors. Controller for pin setting apparatus. 1,846,934; Feb. 23.

Backus, Standish, et al, executors. (See Boyer, Joseph.)

Bacle, Paul, La Pommerale, near Pouzauges, France. Transshaling machine. 1,848,065; Mar. 8.

Bacon Banjo Company. (See Day, David L., assignor.)

Bacon, Charles F., Brattleboro, Vt., assignor to Millers Falls Company, Millers Falls, Mass. Bottle capping machine. 1,855,465; Apr. 26.

Bacon, Elbridge F., assignor to A C Spark Plug Company, Flint, Mich. Temperature compensated speedometer. 1,848,052; Mar. 1.

Bacon, Elbridge F., assignor to A C Spark Plug Company, Flint, Mich. Altimeter. 1,848,053; Mar. 1.

Bacon, Elbridge F., assignor to A C Spark Plug Company, Flint, Mich. Tachometer jewel frame and drive shaft retainer. 1,862,997; June 14.

Bacon, Frank M., North Adams, Mass. Machine for winding cloth, etc., on cloth boards. 1,857,037; May 3.

Bacon, Henry M., assignor to The Gates Rubber Company, Denver, Colo. Loom picker. 1,851,232; Mar. 29.

Bacon, Job L., and F. H. Lobb, assignors to Whitall Tatum Company, Millville, N. J. Bottle making machine. 1,852,172; Oct. 11.

Bacon, Joseph B., Macomb, Ill. Surgical apparatus. 1,863,234; June 14.

Bacon, Joseph B., Macomb, Ill. Surgical apparatus. 1,837,392; Nov. 8.

Bacon, Myrtle M. (See Bacon, William J., assignor.)

Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from sulphur dioxide. 1,840,076; Jan. 5.

Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from roaster gases. 1,842,230; Jan. 19.

Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from roaster gases. 1,852,637; Apr. 5.

Bacon, Raymond F., Bronxville, and I. Bencowitz, New York, N. Y.; said Bencowitz assignor to said Bacon. Recovery of sulphur. 1,870,477; Aug. 9.

Bacon, Raymond F., Bronxville, and I. Bencowitz, New York, N. Y.; said Bencowitz assignor to said Bacon. Recovery of sulphur. 1,870,475; Aug. 9.

Bacon, Raymond F., Bronxville, and I. Bencowitz, New York, N. Y.; said Bencowitz assignor to said Bacon. Recovery of sulphur. 1,870,476; Aug. 9.

Bacon, Raymond F., Bronxville, and H. T. Hotchkiss, jr., New Rochelle, N. Y.; said Hotchkiss, jr., assignor to said Bacon. Recovery of sulphur. 1,864,290; June 21.

Bacon, Raymond F., Bronxville, and H. T. Hotchkiss, jr., New Rochelle, N. Y.; said Hotchkiss, jr., assignor to said Bacon. Recovery of sulphur. 1,864,480; June 21.

Bacon, Robert. (See Hooper, Frederick E., assignor.)

Bacon, William J., assignor to M. M. Bacon, Memphis, Tenn. Radiator cover. 1,856,404; May 3.

Bacon, William J., assignor to M. M. Bacon, Memphis, Tenn. Filter pad. 1,874,734; Aug. 30.

Baczynski, Michael. (See Wenz, S., and Baczynski.)

Badanes, Saul, Brooklyn, N. Y. Counting card. 1,857,038; May 3.

Baddiley, James, and J. Hill, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Secondary disazo dyestuffs. 1,833,325; Oct. 18.

Bader, Ferdinand, Hamburg, Germany. Sound record receptacle. 1,878,659; Sept. 20.

Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric or similar article. Des. 86,006; Jan. 19.

Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric or similar article. Des. 86,007; Jan. 19.

Bader, Walter. (See Dreyfus, H., and Bader.)

Badger, Arthur C., Newton, Mass. Fire extinguisher. 1,844,198; Feb. 2.

Badger, Arthur C., Newton, Mass. Fire extinguisher. 1,890,140; Dec. 6.

Badger, E. B., & Sons Company. (See Hall, Walter T., assignor.)

Badger, E. B., & Sons Company. (See Leslie, Eugent H., assignor.)

Badger, E. B., & Sons Company. (See Lord, Lyman L., assignor.)

Badger Equipment Company. (See Rosenfeld, Joseph E., assignor.)

Badger, Floyd E., assignor to Detroit Steel Products Company, Detroit, Mich. Device for lubricating vehicle leaf springs and shock absorber therefor. 1,868,739; July 26.

Badger Meter Manufacturing Company. (See Miller, Jacob C., assignor.)

Badger, Walter L., Ann Arbor, Mich., assignor to Swenson Evaporator Company, Harvey, Ill. Evaporator. 1,869,651; Aug. 2.

Badger, Walter L., Ann Arbor, Mich., assignor to Swenson Evaporator Company, Harvey, Ill. Entrainment separator. 1,872,554; Aug. 16.

Badgett, Billie B., administratrix. (See Badgett, Fred L.)

Badgett, Fred L., deceased, Chickasha, Okla.; B. B. Badgett, administratrix. Steam pressure governor. 1,878,660; Sept. 20.

Badgett, Fred L., deceased, Chickasha, Okla.; B. B. Badgett, administratrix. Sight feed device. 1,887,393; Nov. 8.

Badía, José M., Barcelona, Spain. Loom. 1,868,128; July 19.

Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff. (See Henninger, Ludwig, assignor.)

Badum, Ernst. (See Goes, K., and Badum.)

Baeck, Adolph, Lake Ronkonkoma, N. Y. Tire. 1,867,438; July 12.

Baehr, Hans, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of sulphur bearing gases and recovery of sulphates and sulphur. 1,889,942; Dec. 6.

Baehr, Justus W., Minneapolis, Minn. Artificial hand. 1,861,678; June 7.

Backeland, Leo H., Yonkers, assignor to Bakelite Corporation, New York, N. Y. Preparation of thermoplastic sheets. 1,842,647; Jan. 26.

Baensch, Walter, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Packing for the stuffing-boxes and covers or lids of apparatus and machines subjected to a high gas-pressure. 1,887,006; Nov. 8.

Baer, Abram K., Baltimore, Md., assignor to The Strause-Baer Company. Gymnasium suit. Des. 86,846; Mar. 1.

Baer, Alfred, Berlin, Germany. Packing for the rotary valves of internal combustion engines. 1,841,344; Jan. 12.

Baer, Alvin H., assignor to Frick Company, Waynesboro, Pa. Quick freeze tunnel. 1,867,546; July 19.

Baer, Ellen K. (See Baer, Samuel I., assignor.)

Baer, Jean, Basel, Switzerland. Manufacture of elastic-plastic material. 1,869,834; Aug. 2.

Baer, Julius, New York, N. Y. Portable ferris wheel. 1,857,996; July 19.

Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Collar holder. 1,874,851; Aug. 30.
Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Necktie holder. 1,874,852; Aug. 30.
Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Tie holder. 1,874,853; Aug. 30.
Baer, Lawrence E., assignor to Baer & Wilde Company, Attleboro, Mass., Holder for the points of soft collars. 1,881,039; Oct. 4.
Baer, Samuel L., assignor to E. K. Baer, Youngstown, Ohio. Frosted window sash. 1,846,704; Feb. 23.
Baer, Samuel L., assignor to E. K. Baer, Youngstown, Ohio. Tilting window device. 1,859,491; May 24.
Baer & Wilde Company, The. (See Baer, Lawrence E., assignor.)
Baer & Wilde Company, The. (See Metcalf, Alpha H., assignor.)
Baerulfsen, Karl M., Oslo, Norway. Folding baby carriage. 1,880,167; Sept. 27.
Baetz, Henry, St. Louis, Mo. Air heater. 1,849,396; Mar. 15.
Bafetti, Nicolino, Chicago, Ill. Crayon holder. 1,861,466; June 7.
Bagby, Robert T. (See Ramsay, A. C., and Bagby.)
Baggarly, Andrew R., Portsmouth, Va. Aeroplane brake. 1,852,912; Apr. 5.
Baggett, Henry T. (See Scott, F. L., and Baggett.)
Baggett, Henry T., and L. E. Garfield, assignors to Hughes Tool Company, Houston, Tex. Seal ring for conical cutters. 1,884,965; Oct. 25.
Bagglolini, John, Soledad, Calif. Rolling and loading hayrake. 1,887,080; Nov. 8.
Bagley, Robert M., Hadensville, assignor to The R. M. Hollingshead Co., Camden, N. J. Liquid sprayer construction. 1,875,841; Sept. 6.
Bagley and Sewall Company, The. (See Valentine, C. W., and Helin, assignors.)
Bagley, Walter G., Pueblo, Colo. Gas burner. 1,879,916; Sept. 27.
Bagnall, Edwin, Toronto, Ontario, Canada, assignor, by mesne assignments, to Cooper Spring Service Company, Detroit, Mich., a corp. of Mich. 1,863,094; June 14.
Bagno, Samuel M., Bronx, N. Y., assignor to Radio Corporation of America. Sound recording. 1,862,327; June 7.
Bagnulo, Alberto, Paris, France. Liquid fuel engine for mines. 1,850,489; Mar. 22.
Bagwill, William L., Long Beach, Calif. Cracking still and process. 1,849,279; Nov. 8.
Bahan Textile Machinery Company. (See Bahan, William H., assignor.)
Bahan Textile Machinery Company. (See Spearman, Earnest S., assignor.)
Bahan, William H., assignor to Bahan Textile Machinery Company, Greenville, S. C. Temple. 1,839,635; Jan. 5.
Bahelka, Joseph, Linden, N. J., assignor to Stanco, Incorporated. Label press. 1,892,647; Dec. 27.
Bahima, Fuig, Jose M. and S. J. Gnacon, Barcelona, Spain. Improved warping frame. 1,869,277; July 26.
Bahl, Errold G., deceased, Los Angeles, Calif.; Gladys Bahl, executrix. Airport. 1,850,490; Mar. 22.
Bahl, Gladys, executrix of Errold G. Bahl, dec'd. (See Bahl, Errold G.)
Babtke, William H., assignor to Standard Oil Company, Whiting, Ind. Distilling hydrocarbon oils. 1,847,858; Mar. 1.
Babls, Otto, Long Island City, N. Y. Refrigerating device. 1,866,389; July 5.
Babnann Inc. Works Company, The. (See Wentzel, Clifford E., assignor.)
Babney, Robert H., Massillon, assignor to Republic Steel Corporation, Youngstown, Ohio. Recording method and apparatus. 1,850,969; Mar. 22.
Babnson Company, The. (See Babnson, Frederic F., assignor.)
Babnson, Frederic F., assignor to The Babnson Company, Winston-Salem, N. C. Humidity controlled valve. 1,891,133; Dec. 13.
Babnzyk, Joseph, Chicago, Ill. Ignition switch protector. 1,889,343; Nov. 29.
Babr, Gustave F., Fairfield, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Winding mechanism. 1,885,885; Nov. 1.
Bähr, Hans, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Franfort-on-the-Main, Germany. Production of nitric and sulphuric acid. 1,868,868; July 26.
Bahr, William. (See Nelson, A. E., and Bahr.)
Baia, Dumitru, Aurora, Ill. Safety window for automobiles, airplanes, and street cars, etc. 1,842,004; Jan. 19
Baia, Dumitru, Aurora, Ill. Safety window for automobiles, airplanes, street cars, etc. 1,842,005; Jan. 19.
Baier, Alvin H., Waynesboro, Pa. Cooling unit. 1,883,462; Oct. 18.
Bailer, Thomas A. (See Pace, R. W., and Bailer.)
Bailer, Warren A., Atlanta, Ga. Fruit picker's bag. 1,859,274; May 24.
Bailey, Addison S., Houston, Tex., assignor to The Texas Company, New York, N. Y. Continuous filter apparatus. 1,859,282; May 24.
Bailey, Adelbert D., Hammond, Ind. Packing ring. 1,873,859; Aug. 23.
Bailey, Admiral R. (See Bodoh, F. J., and Sarff, assignors.)
Bailey, Albert R., San Bernardino, Calif. Locomotive lubricator. 1,886,622; Nov. 8.
Bailey, Allen E., jr. (See Elder, F. R., Bailey, and La Roque.)
Bailey, Arnold B., Lynn, Mass. Refrigeration motor and pump. 1,885,793; Nov. 1.
Bailey, Austin, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Direction finder for radiowaves. 1,839,290; Jan. 5.
Bailey, Austin, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Radio telephone and telegraph system. 1,843,189; Feb. 2.
Bailey, Banks & Biddle Company, The. (See Meell, George A., assignor.)
Bailey, Carl, Indianapolis, Ind. Lawn mower sharpener. 1,887,394; Nov. 8.
Bailey, Charles E., Mascoutah, Ill. Mixer. 1,855,275; Apr. 26.
Bailey, Charles E., Mascoutah, Ill. Oil vaporizing apparatus. 1,855,276; Apr. 26.
Bailey, Charles M., San Francisco, Calif. Control apparatus for vacuum heating systems. 1,886,366; Nov. 8.
Bailey, Christopher E. G., London, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. High frequency amplifier. 1,850,784; Mar. 22.
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,844,052; Feb. 9.
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. All-metal gasket. 1,863,893; June 21.
Bailey, Clyde H., St. Paul, assignor to General Mills, Inc., Minneapolis, Minn. Fermentation cabinet. 1,859,613; May 24.
Bailey, David C., Amesbury, Mass. Apparatus for applying material to rotary operating devices. 1,859,275; May 24.
Bailey, Edgar L., Detroit, Mich. Heating a conductive body. 1,873,808; Aug. 23.
Bailey, Edwin W. M., Amesbury, Mass. Automatic buffing machine. 1,857,532; May 10.
Bailey, Edwin W. M., Amesbury, Mass. Lubricated window glass runway. 1,873,529; Aug. 23.
Bailey, Elisha E. Detachable metallic socket and mold for amalgam dies. 1,867,300; July 12.
Bailey, Ervin G., Easton, Pa., assignor to Fuller Lehigh Company. Refractory arch for furnaces and producing the same. Re18,302; Jan. 19.
Bailey, Ervin G., Easton, assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace. 1,863,181; June 14.
Bailey, Ervin G., Easton, assignor to Fuller Lehigh Company, Fullerton, Pa. Distributor for gases carrying solids in suspension. 1,882,056; Oct. 11.
Bailey, Frederick W., Penpark, Ontario, assignor to The Steel Equipment Company, Limited, Ottawa, Ontario, Canada. Bookshelf. 1,853,840; Apr. 12.
Bailey, George B., Sharon, assignor to Thermox Incorporated, Boston, Mass., apparatus for drying paper and the like. 1,847,915; Mar. 1.
Bailey, George C., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of cyanogen chloride and substituted guanidines. 1,884,509; Oct. 25.
Bailey, Guy D., Narberth, Pa., assignor to Mergenthaler Linotype Company. Printing galley. 1,862,998; June 14.
Bailey, Harrison, Mount Carmel, Pa. Foot rest accelerator control. 1,862,453; June 7.
Bailey, Harvey W., Portland, Oreg. Buffer. 1,869,793; Aug 2.
Bailey, Henry H., assignor to Mechanical Royalties Corporation, Oklahoma City, Okla. Actuator for sliding doors. 1,850,091; Mar. 22.
Bailey, Henry H., and J. L. Thomas, assignors to Mechanical Royalties Corporation, Oklahoma City, Okla. Apparatus for controlling steam engines. 1,859,647; May 24.
Bailey, Henry O., Baltimore, Md. Hedge shears. 1,890,355; Dec. 6.
Bailey, Howard S., Denver, Colo. Ore oxidizing muffled retort furnace. 1,884,510; Oct. 25.
Bailey, James, assignor to Corning Glass Works, Corning, N. Y. Handling glass articles. 1,868,480; July 26.
Bailey, James, assignor to Corning Glass Works, Corning, N. Y. Working glass. 1,892,128; Dec. 27.
Bailey, Joseph E., Dayton, Ohio. Automobile hood lock. 1,863,461; June 14.
Bailey, Joseph O., Atlanta, Ga. Self-aligning bearing. 1,844,552; Feb. 9.

Bailey, Joseph Oswell, Atlanta, Ga. Vertical conveyer elevator. 1,867,245; July 12.

Bailey, Lloyd F., La Porte City, Iowa. Smoker's appliance. 1,858,425; May 17.

Bailey Meter Company. (See Gorrie, Harvard H., assignor.)

Bailey Meter Company. (See Johnson, Clarence, assignor.)

Bailey Meter Company. (See Woolley, Rew E., assignor.)

Bailey, Percy S., Beach Bluff, Mass., assignor to General Electric Company. Light projector. 1,860,165; May 24.

Bailey, R. W., et al. (See Schurtz, Ralph E., assignor.)

Bailey, Rand S., Montclair, and N. D. Newby, Woodridge, N. J., and D. L. Moody, Hempstead, N. Y., assignors to American Telephone and Telegraph Company. Signaling system. 1,860,446; May 31.

Bailey, Richard O. (See Gray, D., Bailey, and Murray.)

Bailey, Samuel W. (See Cleveland, A. B., and Bailey.)

Bailey, Vernon, Washington, D. C. Trap. 1,860,378; May 31.

Bailey, Vernon, Washington, D. C. Animal trap. 1,862,892; Nov. 8.

Bailey-Walker China Company, The. (See Walker, Albert M., assignor.)

Bailey, Walter C., Norwalk, Calif. Hydraulic driving apparatus for wells. 1,885,794; Nov. 1.

Bailey, William J., New York, N. Y. Fruit squeezer. 1,840,182; Jan. 5.

Bailey, William H. (See Proctor J. A., and Bailey.)

Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,849,522; Mar. 15.

Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,849,523; Mar. 15.

Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Improved capacitor. 1,881,164; Oct. 4.

Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Electrical capacitor. 1,859,522; Nov. 29.

Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Electrical device and forming insulating dielectrics therein. 1,892,375; Dec. 27.

Bailleul, Gustav, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Activation of carbonaceous material. 1,865,667; July 5.

Bailor, Silas E., Dill, Okla. Cotton harvester. 1,843,190; Feb. 2.

Bailor, Silas E., Dill, Okla. Cultivator lifting gear. 1,856,368; May 3.

Baily, Robert W., Philadelphia, Pa. Traffic sign. 1,859,578; May 24.

Baily, Robert W., Philadelphia, Pa. Vibrator mechanism. 1,876,271; Sept. 6.

Baily, Thaddeus F., Alliance, Ohio. Electric furnace. 1,874,417; Aug. 30.

Baily, Thaddeus F., Alliance, assignor to The Electric Furnace Company, Salem, Ohio. Metallic resistor for electric furnaces. 1,864,334; June 21.

Bain, Clarence I. (See Fulgerson, W. A., and Bain.)

Bain, Robert D., and Jay Nelson, assignors to Lamson Paragon Supply Company, Limited, London, England. Mold and the production of printing plates from rubber. 1,858,973; May 17.

Bain, William H., University City, Mo. Making shoes. 1,858,574; Nov. 1.

Bair, Clarence M., San Francisco, Calif. Hair drier. 1,840,929; Jan. 12.

Bair, George L., Hanover, Pa. Floor construction. 1,870,100; Aug. 2.

Bair, Richard H., Camp Hill, Pa. Pencil sharpener. 1,878,617; Sept. 20.

Bair, William E., Chillicothe, assignor to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,875,208; Aug. 30.

Baird, Albert E., Los Angeles, Calif. Incinerator spark arrester. 1,843,160; Apr. 12.

Baird, Berton G., Newark, N. J., and C. Klagges, South Ozone Park, N. Y. Stethoscope and parts therefor. 1,841,978; Jan. 19.

Baird, Dudley. (See Hartley, H. J., and Baird.)

Baird, Dudley, Berkeley, and G. E. Connolly, Oakland, Calif., assignors, by mesne assignments, to Nichols Engineering and Research Corporation, New York, N. Y. Roasting furnace construction. 1,852,600; Apr. 5.

Baird, Edward, Los Angeles, Calif. Footwear cushion. 1,880,654; Oct. 4.

Baird, Grover C., Lusk, Wyo. Automatically lubricating windmill. 1,891,863; Dec. 20.

Baird, John L., assignor to Television Limited, London England. Television and like apparatus. 1,869,735, Aug. 2.

Baird, John L., assignor to Television Limited, London England. Television or like system and apparatus. 1,890,558; Dec. 13.

Baird, John W., Glen Ellyn, Ill. Shock absorber. 1,854,442; Apr. 19.

Baird, Lynne D., Tulsa, Okla. Wrist pin puller. 1,840,382; Jan. 12.

Baird Machine Company, The. (See Lewis, Arthur J., assignor.)

Baird-Warner, Incorporated. (See Warner, Charles L., assignor.)

Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Muffler for internal combustion engines. 1,839,192; Jan. 5.

Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Brake operating mechanism. 1,844,939; Feb. 16.

Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Rear axle assembly. 1,880,655; Oct. 4.

Bakelite Corporation. (See Baekeland, Leo H., assignor.)

Bakelite Corporation. (See Byck, Lawrence, assignor.)

Bakelite Corporation. (See Cheetham, Harold C., assignor.)

Bakelite Corporation. (See Courtney, R. P., and Meharg, assignors.)

Bakelite Corporation. (See Groff, Frazier, assignor.)

Bakelite Corporation. (See Nash, Clarence A., assignor.)

Bakelite Corporation. (See Swan, H., and Higgins, assignors.)

Bakelite Gesellschaft m. b. H., et al. (See Scheiber, Wilhelm H. O. J., assignor.)

Bakelite Gesellschaft mit beschrankter Haftung. (See Elbel, E., and Seebach, assignors.)

Bakelite Gesellschaft mit beschrankter Haftung. (See Seebach, Fritz, assignor.)

Baken, William P. (See Hurst, George P., assignor.)

Baker, Alfred Z., Newark, N. J. Toy firearm. 1,891,219; Dec. 20.

Baker, Arthur B. H., Portage La Prairie, Manitoba, Canada. Grain car door. 1,888,213; Nov. 22.

Baker, Arthur J., assignor to The Willys-Overland Company, Toledo, Ohio. Combined automobile fender and head lamp. Des. 88,064; Oct. 25.

Baker, Arthur J., assignor to The Willys-Overland Company, Toledo, Ohio. Automobile. Des. 88,723; Dec. 20.

Baker, Arthur J., Toledo, Ohio, assignor to Bendix Brake Company, Chicago, Ill. Brake for motor vehicles. 1,843,594; Feb. 2.

Baker, Arthur R., assignor to I. T. Swartz, Indianapolis, Ind. Carburetor. 1,877,112; Sept. 13.

Baker, Benjamin P. (See McGee, J. E., and Baker.)

Baker, Benjamin P., Turtle Creek, and R. C. Dickinson, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit breaker. 1,872,387; Aug. 16.

Baker, Bert F. (See Knox, H. A., and Baker.)

Baker Box Company. (See Curtis, Philip N., assignor.)

Baker Brothers, Inc. (See Hallenbeck, George E., assignor.)

Baker, Charles M., Youngstown, Ohio. Manure collecting device for barns. 1,885,069; Oct. 25.

Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cooling device. 1,846,828; Feb. 23.

Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Motor connection. 1,875,798; Sept. 6.

Baker, Charles W. (See Peebles, F. W. L., and Baker.)

Baker & Company. (See Colby, Edward A., assignor.)

Baker & Company. (See Reville, Stephen J., assignor.)

Baker & Company. (See Simmeth, Karl J., assignor.)

Baker & Co. Inc. (See Simpson, Harrison D., assignor.)

Baker & Co. Inc. (See Van Allen, George L., assignor.)

Baker, Daniel C., Compton, Calif. Foldable or collapsible tent pole. 1,840,689; Jan. 12.

Baker, David B., and N. O. Pansegrau, Chicago, Ill., assignors to International Harvester Company. Oil and dirt seal for gear casings. 1,878,804; Sept. 20.

Baker, David B., and N. O. Pansegrau, Chicago, Ill., assignors to International Harvester Company. Oil and dirt seal for tractor truck rollers. 1,886,147; Nov. 1.

Baker, David S., Greenwich, Conn. Apparatus for handling materials. 1,842,237; Jan. 12.

Baker, David S., Greenwich, Conn. Apparatus for handling materials. 1,842,231; Jan. 19.

Baker, David S., Greenwich, Conn., and Kemp M. Simpson, New York, N. Y., said Simpson assignor to said Baker. Apparatus for handling materials. 1,851,534; Mar. 29.

Baker, Dexter, C., et al. (See Parr, Webster A., assignor.)

Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Winding machine. 1,865,075; June 28.

Baker, Edward C. et al. (See Baker, George B., assignor.)

Baker, Edward C. (See Baker, George B., H. B., and E. C.)

Baker, Edwin M. (See Leslie, Eugene H., and Baker.)

Baker, Erle K., Chicago, Ill. Tie rod construction. 1,845,697; Feb. 16.

Baker, Erle K., Chicago, Ill. Tie rod end connection. 1,883,748; Oct. 18.

Baker, Eugene L., Taunton, Mass. Elevator. 1,891,300; Dec. 20.

Baker, Floyd J., Washington, D. C. Stove-cabinet. 1,885,041; Oct. 25.

Baker, Frank E., assignor of one-half to L. Will, Syracuse, N. Y. Ironing press. 1,883,861; Oct. 25.

Baker, Frank E., assignor of one-half to L. Will, Syracuse, N. Y. Garment pressing machine. 1,883,862. Oct. 25.

Baker, Frank E., assignor of one-half to L. Will, Syracuse, N. Y. Ironing press. 1,883,863; Oct. 25.

Baker, Fred, Farmington, Calif. Milk bottle holder 1,839,656; Jan. 5.

Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Flexible driving mechanism. 1,844,836; Feb. 9.

Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Disk wheel. 1,854,728; Apr. 19.

Baker, Frederick W., Oldswinford, Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Demountable wheel rim. 1,892,127; Dec. 27.

Baker, Freind F., Los Angeles, Calif. Kite. 1,849,133; Mar. 15.

Baker, Geoffrey D. (See Mitchell, Maxim, assignor.)

Baker, George B., et al. (See Baker, George B., assignor.)

Baker, George B., assignor, by mesne assignments, to E. C. and G. B. Baker, Brockton, Mass., as surviving joint tenants. Tack machine. 1,864,269; June 21.

Baker, George B., H. B., and E. C., assignors, by mesne assignments, to G. B. and E. C. Baker, Brockton, Mass., as surviving joint tenants. Tack machine. 1,864,266; June 21.

Baker, George B., H. B., and E. C., assignors, by mesne assignments, to G. B. and E. C. Baker, Brockton, Mass., as surviving joint tenants. Tack machine. 1,864,267; June 21.

Baker, George B., H. B., and E. C., assignors, by mesne assignments, to G. B. and E. C. Baker, Brockton, Mass., as surviving joint tenants. Tack machine. 1,864,268; June 21.

Baker, George L. (See Myers, P. B., and Baker.)

Baker, George R. (See Guggenheim, M. M., and Baker.)

Baker, George R., London, England, Wallingham, and G. W. Perks, Southport, England, assignors to Baker Perkins Co. Inc., Saginaw, Mich. Reconditioning chocolate-fat coating confectionery and the like. 1,843,859; Feb. 2.

Baker, George R., and J. C. Paterson, Willesden, London, England, assignors to Baker Perkins Company Inc., Saginaw, Mich. Apparatus for making or baking wafers and the like. 1,870,480; Aug. 9.

Baker, Hale A. (See Walther, Rupp, and Baker.)

Baker, Harold H., Milwaukee, Wis. Kit bat. 1,869,652; Aug. 2.

Baker, Harold U., Los Angeles, assignor of three-eighths to E. D. Jones, Long Beach, and three-eighths to W. S. Jones, Brea, Calif. Perforator. 1,839,459; Jan. 5.

Baker, Harry A. (See Wright, Baker, and Baker.)

Baker, Harry A., assignor to The Lapointe Machine Tool Company, Hudson, Mich. Broach. 1,880,656; Oct. 4.

Baker, Harry L. (See Baker, Raymond R., assignor.)

Baker, Herbert B. (See Baker, George B., H. B., and E. C.)

Baker, Herbert H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for the manufacture of laminated glass. 1,864,176; June 21.

Baker, Herbert K., Detroit, Mich. Manufacture of expanded metal. 1,890,173; Dec. 6.

Baker, Herbert K., Detroit, Mich. Apparatus for the manufacture of expanded metal. 1,890,276; Dec. 6.

Baker, Herbert K., Detroit, Mich., assignor to Penn Metal Company, Parkersburg, W. Va. Metal lath expander. 1,850,636; May 3.

Baker, Herbert K., Detroit, Mich., assignor to Penn Metal Company, Parkersburg, W. Va. Apparatus for slitting and forming metal sheets. 1,889,989; Dec. 6.

Baker, Herbert K., Detroit, Mich., assignor to Penn Metal Company, Parkersburg, W. Va. Expanded metal lathing. 1,890,141; Dec. 6.

Baker, Hubert E., Muskegon, Mich., assignor to The Brady Conveyors Corporation, Chicago, Ill. Skip loading apparatus. 1,855,190; Apr. 12.

Baker, Hubert E., Cleveland, Ohio, assignor to The Brady Conveyors Corporation, Chicago, Ill. Electrical gate control. 1,856,942; May 3.

Baker Ice Machine Co. (See Ecabert, Walter R., assignor.)

Baker Ice Machine Co. (See Hartmann, Frederick E., assignor.)

Baker Ice Machine Co. (See Hoffman, John F., assignor.)

Baker Ice Machine Co. Inc. (See Hartmann, Frederick E., assignor.)

Baker Ice Machine Co. Inc. (See Hoffman, John F., assignor.)

Baker, Irving C., assignor to York Ice Machinery Corporation, York, Pa. Air conditioning. 1,878,618; Sept. 20.

Baker, J. M., Pattern Company. (See Corley, John T., assignor.)

Baker, J. T., Chemical Co. (See Baker, John T., assignor.)

Baker, James D., Berkeley, Calif., assignor to Johns-Manville Corporation, New York, N. Y. Waterproof floor covering and laying same. 1,880,661; Oct. 4.

Baker, James E. (See Baker, Thomas R., assignor.)

Baker, James N., Towson, Md. Printing telegraph system. 1,869,994; Aug. 2.

Baker, Jay E., et al. (See Parr, Webster A., assignor.)

Baker, John A. (See Pavelec, W., and Baker.)

Baker, John A., Westport, Conn., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Adjustable overflow lip for sedimentation apparatus. 1,870,435; Aug. 9.

Baker, John A., assignor to Delco Products Corporation, Dayton, Ohio. Universal joint. 1,889,657; Oct. 4.

Baker, John C., Montclair, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Making hypochlorite solutions. 1,850,975; Mar. 22.

Baker, John C., Montclair, and F. C. Schmelkes, Bloomfield, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Making di-chloramine. 1,850,957; Mar. 15.

Baker, John C., Montclair, and F. C. Schmelkes, North Arlington, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Improving the taste and odor of water. 1,866,524; July 12.

Baker, John F. L., assignor to Wickes Boiler Co., Saginaw, Mich. Boiler. 1,839,911; Jan. 5.

Baker, John F. L., assignor to Wickes Boiler Co., Saginaw, Mich. Cylinder-forming machine. 1,852,101; Apr. 5.

Baker, John H., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Pipe welding mandrel. 1,857,802; May 10.

Baker, John H. E., Ardwyck, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic or semiautomatic telephone system. 1,851,482; Mar. 29.

Baker, John H. E., and L. B. Haigh, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Automatic or semi-automatic telephone system. 1,857,831; May 10.

Baker, John S., Evansville, Wis. Windmill construction. 1,884,511; Oct. 25.

Baker, John T., assignor to J. T. Baker Chemical Co., Phillipsburg, N. J. Packing box. 1,839,860; Jan. 5.

Baker, Judd S., Hastings-on-Hudson, N. Y., assignor to General Electric Company. Amplifying system. 1,890,489; Dec. 13.

Baker, Leo F., Fort Dodge, assignor of one-half to A. W. Mandelko, Webster County, Iowa. Combination tool. 1,845,755; Feb. 2.

Baker, Leon M., assignor to The Hunter Fan & Motor Company, Fulton, N. Y. Adjustable fan. 1,866,017; Apr. 26.

Baker, Lewis T., assignor to L. A. Gray, Jacksonville, Fla. Turpentine cup. 1,867,439; July 19.

Baker Manufacturing Company, The. (See Buffington, Harry C., assignor.)

Baker, Marshall W., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,864; Oct. 25.

Baker Nagle Company. (See Nagle, Walter G., assignor.)

Baker, Nelson M. (See Desmond, D., and Baker.)

Baker, Nelson M. (See Tillyer, E. D., and Baker.)

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. Des. 81,189; June 21.

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Bridge for an ophthalmic mounting. Des. 85,905; Jan. 5.

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. Des. 88,616; Dec. 13.

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Bridge for an ophthalmic mounting. Des. 88,617; Dec. 13.

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. Des. 88,618; Dec. 13.

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,879,780; Sept. 27.

Baker Oil Tools, Inc. (See Baker, Reuben, assignor.)

Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)

Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)

Baker Oil Tools, Inc. (See Little, John Q., assignor.)

Baker Oil Tools, Inc. (See Mellin, Oscar A., assignor.)

Baker Perkins Company. (See Eggert, Gustav B., assignor.)

Baker Perkins Company. (See Guggenheim, M. M., and Baker, assignors.)

Baker Perkins Company. (See Harber, L. S., and Pointon, assignors.)

Baker Perkins Company. (See Horn, E., and Florian, assignors.)

Baker Perkins Company. (See Hulme, Andrew G., assignor.)

Baker Perkins Company. (See Kempter, Fritz, assignor.)

Baker Perkins Company. (See Klenk, Willy, assignor.)

Baker Perkins Company. (See MacFarlane, R. F., and Prescott, assignors.)

Baker Perkins Company. (See Paterson, J. C., and Wilson, assignors.)

Baker Perkins Company. (See Reese, Louis C., assignor.)

Baker Perkins Company. (See Savy, Robert, assignor.)

Baker Perkins Company. (See Silbury, John F., assignor.)

Baker Perkins Company. (See Thurm, Richard, assignor.)

Baker Perkins Co. Inc. (See Baker, G. R., Epps, and Perks, assignors.)

Baker Perkins Company Inc. (See Baker, G. R., and Jamieson, assignors.)
Baker Perkins Company, Inc. (See Engels, Eugene O., assignor.)
Baker Perkins Company Incorporated. (See Pointon, John E., assignor.)
Baker Perkins, Limited. (See Dewhurst, Frank, assignor.)
Baker-Raulang Company, The. (See Hertner, John H., assignor.)
Baker-Raulang Company, The. (See Remde, Edward H., assignor.)
Baker-Raulang Company, The. (See Stahl, Edward J., assignor.)
Baker-Raulang Company, The. (See Stoner, Frank, assignor.)
Baker, Reuben C., Coalinga, Calif. Cementing plug. 1,852,901 ; Jan. 5.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Hydraulic underreamer. 1,857,616 ; May 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Cementing plug. 1,858,215 ; May 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing device. 1,859,045 ; May 24.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Floating and cementing device for well casings. 1,863,613 ; June 21.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Pitman bearing. 1,890,207 ; Dec. 6.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Walking beam swivel. 1,890,208 ; Dec. 6.
Baker, Robert. (See Murray, T. E., and Baker.)
Baker, Robert E. (See Frick, C. A., and Baker.)
Baker, Robert M., Toledo, Ohio. Vacuum cleaning apparatus. 1,869,658 ; Oct. 4.
Baker, Robert N. S. (See Rossell, H. E., and Baker.)
Baker, Rollyn H., et al. (See Boyer, Frederick G. L., assignor.)
Baker, Roy C., Wollaston, assignor of one-fifth to L. A. Jones, Belmont, Mass. Method of and apparatus for producing matrices. 1,870,431 ; Aug. 9.
Baker, Roy C., Wollaston, assignor of one-fifth to L. A. Jones, Belmont, Mass. Bookbinding. 1,870,482 ; Aug. 9.
Baker, Roy E., Reading, Mass. Railway traffic controlling apparatus. 1,864,481 ; June 21.
Baker, Russell A., Toronto, Ontario, Canada. Display sign. 1,871,648 ; Aug. 16.
Baker, Russell W. (See Shippy, L. C., and Baker.)
Baker, Sadie, Waynesburg, Pa. Toilet stool. 1,856,687 ; May 3.
Baker, Samuel S., Webster Groves, Mo. Heat regulator for gas stoves. 1,875,548 ; Sept. 6.
Baker, Stephen D., New York, N. Y. Combination soap holder and grab rail. Des. 86,694 ; Apr. 12.
Baker, Thomas R., assignor of one-half to J. E. Baker, Chicago, Ill. Antiskid system. 1,878,257 ; Sept. 20.
Baker, Thomas T., Hatch End, assignor to Harold Wade, London, England. Color photography. 1,860,218 ; May 24.
Baker, Thomas T., Hatch End, England, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Three-color photography. 1,867,301 ; July 12.
Baker, Thomas T., Hatch End, Middlesex, assignor to Spicers Limited, London, England. Sound-record cinematograph film. 1,890,557 ; Dec. 13.
Baker, Thomas W. (See Magee, Frederick W., assignor.)
Baker, W. J. Company. (See Baker, W. J., and Konen, assignors.)
Baker, Walter C., et al, trustees. (See Code, George A., assignor.)
Baker, Walter J., Wyckoff, N. J. Ladder shoe. 1,862,171 ; June 7.
Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Polyphase radio frequency system. 1,848,866 ; Mar. 8.
Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,859,066 ; May 17.
Baker, Webster E. B., York Haven, Pa. Making sodium lignosulphonate. 1,847,709 ; Mar. 1.
Baker, Webster E. B., Brooklyn, N. Y., and H. Weaver, York Haven, Pa. Adhesive composition. 1,842,893 ; Jan. 26.
Baker, Webster N., and B. A. Masten, Glens Falls, N. Y., assignors to International Paper Company. Dressing grindstones. 1,888,614 ; Nov. 22.
Baker, William A., jr., Kuhlman, assignors to The American Temperature Indicating Company, Toledo, Ohio. Telethermometer. 1,867,870 ; July 19.
Baker, William E., Erie, Pa. Water level indicator. 1,854,095 ; Apr. 12.
Baker, William J., Newport, Ky. Utility flash-light. 1,876,385 ; Sept. 6.
Baker, William J., Newport, and H. A. Konen, Clifton, assignors to W. J. Baker Company, Newport, Ky. Roll-screen holding device. 1,871,141 ; Aug. 9.
Baker, William L., and C. F. Greiner, New Orleans, La. Washing and cooking machine. 1,855,540 ; Apr. 26.
Baker, William T., Louisville, Ky. Safety device for cocks, etc. 1,865,296 ; June 28.
Bakerics Service Corporation. (See Marr, William S., assignor.)
Bakers Service Bureau, Inc. (See Hines, John E., assignor.)
Bakewell, Harding F., Los Angeles, Calif. Power application and control means. 1,855,174 ; Apr. 26.
Bakhaus, Orville F. (See Fitzgerald, John R., assignor.)
Bakken, Andrew H., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bushing structure. 1,871,356 ; Aug. 9.
Bakos, Joseph Mimico, Ontario, Canada. Wheel puller. 1,854,877 ; Apr. 19.
Balassa, Carl E., Los Angeles, Calif. Method of and apparatus for treating photographic baths. 1,876,830 ; Sept. 13.
Balaun, John J., Canton, Ohio. Bottle capper. 1,882,731 ; Oct. 18.
Balaxinos, Louis, East Portchester, Conn. Gas cock. 1,840,348 ; Jan. 12.
Balch, Jack H., Chicago, Ill. Fabricated golf club head. 1,864,513 ; June 28.
Balch, Lute W., and E. De Wagenaere, Minneapolis, Minn. Pneumatic socket for artificial limbs. 1,868,203 ; July 19.
Balch, Thomas V., Shaker Heights, and J. A. Bohnsack, Cleveland Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Glazing construction for metal partition panels. 1,855,164 ; Apr. 19.
Baldi, Cino. (See Lombardoni, D., and Baldi.)
Baldinger, Irving, Brooklyn, N. Y. Tufting device. 1,849,062 ; Mar. 15.
Baldut, Bruno E., Chicago, Ill. Sound insulating floor construction. 1,861,189 ; Dec. 13.
Baldut, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Building insulation. 1,845,975 ; Feb. 16.
Baldut, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Insulated railway track construction. 1,852,177 ; Apr. 26.
Baldus, Berta, geb. Dedreux. Karlsruhe, Germany. Button in two portions. 1,848,687 ; Mar. 8.
Baldwin, Arthur S. See Richmond, E. E., and Baldwin.)
Baldwin, Arthur S., Stratford, Conn. Overrunning clutch. 1,867,302 ; July 12.
Baldwin, Charles A., Ritzville, Wash. Rail bond. 1,843,501 ; Feb. 2.
Baldwin Company, The. (See Knoblaugh, Armand F., assignor.)
Baldwin, Edward, North Charleston, S. C. Car journal bearing. 1,877,638 ; Sept. 13.
Baldwin, Edward E., New York, N. Y. Marine craft. 1,857,380 ; Sept. 13.
Baldwin, Edward N., Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Safety device for elevators. 1,873,604 ; Aug. 23.
Baldwin, Elmer E., Chicago, Ill. Scale. 1,887,986 ; Nov. 15.
Baldwin, Elnora E., Denver, Colo. Hair curler. 1,872,644 ; Aug. 23.
Baldwin, George E., Lima, Ohio, assignor to J. Robinson, New York, N. Y. Automatic train pipe coupling. 1,890,356 ; Dec. 20.
Baldwin, George T., Thornton Heath, assignor to Rembrandt Intaglio Printing Company Limited, London, England. Printing and other cylinder and means for securing sheets thereto. 1,860,765 ; May 31.
Baldwin, Henry du P., and C. L. Stafford, assignors to Southern Public Service Company, Greensboro, N. C. Dispensing station. 1,851,535 ; Mar. 25.
Baldwin, John D., jr., assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Making pipe couplings. 1,851,031 ; May 29.
Baldwin, John D., jr., assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Making pipe couplings or fittings. 1,860,604 ; May 31.
Baldwin, John D., jr., assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Making pipe fittings for hydraulic brake systems. 1,860,605 ; May 31.
Baldwin, John D., jr., assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Hydraulic coupling. 1,885,042 ; Oct. 25.
Baldwin, John D., jr., Bratenahl, assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Securing means. 1,875,209 ; Aug. 30.
Baldwin, Julian T., West Chester, assignor to Sandura Company, Inc., Philadelphia, Pa. Floor covering. 1,856,369 ; May 3.
Baldwin, Julian T., West Chester, assignor to Sandura Company, Inc., Philadelphia, Pa. Smooth surfaced floor covering. 1,856,370 ; May 3.
Baldwin, Julian T., West Chester, assignor to Sandura Company, Inc., Philadelphia, Pa. Smooth surfaced floor covering. 1,856,371 ; May 3.
Baldwin, Julian T., West Chester, assignor to Sandura Company, Inc., Philadelphia, Pa. Floor covering. 1,858,655 ; May 17.
Baldwin, Wayne A., Watertown, N. Y., assignor to The New York Air Brake Company. Dust separator. 1,870,216 ; Aug. 9.
Balemeister, Fred, Fowler, Ind. Vegetable slicer. 1,849,782 ; Mar. 15.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Furniture foot. 1,843,261; Feb. 2.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Folding chair. 1,843,293; Feb. 2.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker construction. 1,843,264; Feb. 2.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Tool stand. 1,854,777; Apr. 19.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair. 1,876,549; Sept. 13.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Rack. 1,883,827; Oct. 18.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Desk tray. 1,890,143; Dec. 6.

Bales, James E., and J. B. O'Connor, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Shelving. 1,843,262; Feb. 2.

Bales, James E., and C. T. Christensen, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Folding table and matching the same. 1,860,644; May 31.

Balestra, Joseph, New York, N. Y. Soap holder. 1,859,492; May 24.

Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Sheet metal punch machine. 1,843,438; Feb. 2.

Balga, Ladislav, Poughkeepsie, N. Y. Razor blade sharpener. 1,846,925; Feb. 23.

Balga, Louis, Bridgeport, Conn., assignor of one-half to J. Gonda, Poughkeepsie, N. Y. Tailor's chalk sharpener. 1,842,306; Jan. 19.

Balinger, Lee O., Lakewood, assignor of one-third to W. J. Wesseler, East Cleveland, Ohio. Cleaning device. 1,887,447; Nov. 8.

Balinkin, Isay A., and C. F. Muth, Cincinnati, Ohio. Irradiation process. 1,868,042; July 19.

Balke, Clarence W., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Butt-welding. 1,844,495; Feb. 9.

Ballenger, Bert B., et al. (See Clark, Malcom S., assignor.)

Ballwill, Wesley J. (See Benham, L. L., Ferree, and Ballwill.)

Ball, Albert P., Detroit, Mich. Door dovetail. 1,842,373; Jan. 26.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Screen construction for automobiles. 1,851,235; Mar. 29.

Ball, Albert P., assignor to Square D Company, Detroit, Mich. Electrical switch. 1,852,871; Apr. 5.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Door construction. 1,876,589; Sept. 13.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Ventilator construction. 1,883,464; Oct. 18.

Ball, Alfred J. (See Gourley, G. T., and Ball.)

Ball & Ball Carburetor Company. (See Ball, Frederick O. and T. M., assignors.)

Ball, Birtley A., Milton, Wash. Eye exerciser. 1,861,897; June 7.

Ball Brothers Company. (See Petty, Fred J., assignor.)

Ball, Charles A. (See Peek, C. F., and Ball.)

Ball, Charles E., Chicago, Ill., assignor to Ball Wagon Grader Company, Stockton, Calif. Tractor chain. 1,849,729; Mar. 15.

Ball, Charles E., Chicago, Ill., assignor to Ball Wagon Grader Co. End gate control mechanism for scraper bowls. 1,851,234; Mar. 29.

Ball, Charles E., Chicago, Ill., assignor to Ball Wagon Grader Co. Combined grader and bulldozer. 1,856,148; May 3.

Ball, Charles E., Chicago, Ill., assignor to Ball Wagon Grader Co. Scraper bowl construction. 1,886,780; Nov. 8.

Ball, Charles F. (See Foster, A., jr., and Ball.)

Ball, Charles F. (See Shafer, S. jr., and Ball.)

Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Lock for tilting drum concrete mixers. 1,855,117; Apr. 19.

Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for starting internal combustion engines. 1,862,999; June 14.

Ball, Charles W., Bellingham, Wash. Clothes washing device. 1,879,018; Sept. 27.

Ball, Frederick O., and T. M., Detroit, Mich. Carburetion. 1,852,638; Apr. 5.

Ball, Frederick O. and T. M., Detroit, Mich. Carburetor. 1,872,555; Aug. 16.

Ball, Frederick O., and T. M. Ball, Detroit, Mich. Carburetor. 1,873,919; Aug. 23.

Ball, Frederick O. and T. M., assignors to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. 1,851,343; Mar. 29.

Ball, Frederick O. and T. M., assignors to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. 1,851,256; Oct. 4.

Ball, George E., Cranston, R. I., assignor to The American Thermos Bottle Company, Norwich, Conn. Jug. Des. 87,613; Aug. 23.

Ball, George E., Cranston, R. I., assignor to The American Thermos Bottle Company, Norwich, Conn. Jug. Des. 87,614; Aug. 23.

Ball, Hallock C., C. R. Jackson, W. B. Keller, and J. Z. Winder, assignors to Richmond Fireproof Door Company, Richmond, Ind. Safety device for suspended doors. 1,863,961; June 21.

Ball, Harry V., Concord, Mass., and J. R. Tomlin, Brooklyn, assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 1,840,009; Jan. 5.

Ball, Howard, Long Beach, Calif. Collapsible scaffold. 1,856,149; May 3.

Ball, Ivan J., and S. H. Ingram, assignors of one-third to Smith-Emery Company, Los Angeles, Calif. Device for sampling liquid. 1,870,436; Aug. 9.

Ball, James W. (See Dillman, Carl H., assignor.)

Ball, James W., Clayburn, British Columbia, Canada. Downdraft kiln. 1,863,596; Apr. 12.

Ball, John P., Chicago, Ill. Breakwater wall construction. 1,847,043; Feb. 23.

Ball, Joseph A., Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Boston, Mass. Color cinematography. 1,844,377; Feb. 9.

Ball, Joseph A., Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Boston, Mass. Optical apparatus. 1,862,950; June 14.

Ball, Joseph A., Los Angeles, Calif., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Three-color cinematographic camera. 1,871,649; Aug. 16.

Ball, Joseph A., Los Angeles, Calif., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Achromatic optical system and method. 1,873,258; Aug. 23.

Ball, Joseph A., Los Angeles, Calif., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Color cinematographic apparatus. 1,873,259; Aug. 23.

Ball, Joseph A., Los Angeles, Calif., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Multicolor photography with bi-packs. 1,889,030; Nov. 29.

Ball, Ralph L., South Berwick, Me. Clothespin. 1,863,588; June 21.

Ball, Reginald D., and H. A. Brown, Stafford, assignors to The English Electric Company Limited, London, England. Construction of dynamo electric machines. 1,850,578; Mar. 22.

Ball & Socket Manufacturing Company, The. (See Jeralds, George I., assignor.)

Ball, Thomas F., Kansas City, Mo. Meat and food grinders. 1,864,575; June 28.

Ball, Thomas M. (See Ball, Frederick O. and T. M.)

Ball Wagon Grader Co. (See Ball, Charles E., assignor.)

Ball, William C., et al. (See Gray, Joseph M., assignor.)

Ballamos, Elizabeth M., Pontiac, Mich. Coincidental lock. 1,845,782; Feb. 23.

Ballantine, Stuart, Mountain Lakes, assignor to Boonton Research Corporation, Boonton, N. J. Automatic control for audion amplifiers. 1,869,331; July 26.

Ballantine, Stuart, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound reproducer. 1,876,331; Sept. 13.

Ballantine, Stuart, White Haven, Pa., assignor to Boonton Research Corporation, Boonton, N. J. Audion circuit. 1,844,456; Feb. 9.

Ballantine, Stuart, and L. M. Hull, Mountain Lakes, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Demodulator and method of demodulation. Re18,579; Aug. 23.

Ballantine, Stuart, White Haven, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Reducing retroactive currents in audion amplifiers. 1,839,741; Dec. 29.

Ballantyne, P., & Sons. (See Frelinghuysen, George G., assignor.)

Ballard, Arthur H., Incorporated. (See Ballard, Arthur H., assignor.)

Ballard, Arthur H., Incorporated. (See Goodridge, George E., assignor.)

Ballard, Arthur H., assignor to A. H. Ballard, Incorporated, Boston, Mass. Liquid fuel burner. 1,865,390; June 28.

Ballard & Ballard Company. (See Willoughby, Lively B., assignor.)

Ballard, Bernard T. (See McNeil, W. M., and Ballard.)

Ballard, Clifford D., et al. (See Johnson, Frederick W., assignor.)

Ballard, Ernest S., Eureka, Calif. Preparation of photogravure copy and the like. 1,841,274; Jan. 12.

Ballard, Ernest S., assignor to Ballard Process Co., San Francisco, Calif. Electroplating metallic cylinders. 1,884,512; Oct. 25.

Ballard, Foscoe F. (See Warner, A. W., and Ballard.)

Ballard, Harrie, A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,857,424; May 10.

Ballard, Joseph W., Greenfield, assignor to Griswoldville Manufacturing Company, Griswoldville, Mass. Making composite fabrics. 1,861,044; May 31.

Ballard, Joseph W., assignor to Griswoldville Manufacturing Company, Griswoldville, Mass. Reenforced paper. 1,866,513; July 5.

Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,866,918; July 12.

Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Releasing device. 1,875,322; Sept. 6.

Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,875,799; Sept. 6.

Ballard Process Co. (See Ballard, Ernest S.)

Ballard, Roscoe F. (See Warner, A. W., and Ballard.)

Ballars, Arthur H. (See Stadler, George J.)

Ballauf, Fritz. (See Schweizer, A., Ballauf and Hefner.)

Ballauf, Fritz. (See Thauss, A., and Ballauf.)

Ballauf, Fritz. (See Tschunkur, E., Ballauf, and Herdieckerhoff.)

Ballauf, Fritz, and A. Schmelzer, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Ortho-hydroxy-carboxylic acid of fluorene. 1,867,049; July 12.

Balle, Gerhard. (See Ernst, Otto, Spensel, and Balle.)

Balle, Gerhard. (See Persiel, H. Balle, and Sponsel.)

Balle, Gerhard, and Karl Ort, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose ethers and preparing them. 1,867,050; July 12.

Ballein, Henry J., Byron, assignor of one-half to Philip W. Moninger, Philadelphia, Pa. Slicing machine. 1,882,732; Oct. 18.

Ballentine, Earle W., Chicago, Ill., assignor to Solar Industries, Inc. Electric air heater. 1,879,019; Sept. 27.

Ballentine, Earle W., Chicago, Ill., assignor to Solar Industries, Inc. Electric air heater. 1,879,889; Sept. 27.

Ballentine, Edwin C., Schenectady, N. Y., assignor to General Electric Company. Picture transmitting apparatus. 1,854,014; Apr. 12.

Ballert, Gertrude F., Scotia, N. Y. Bottle holder. 1,859,123; May 17.

Balletti, John C., assignor to American Can Company, San Francisco, Calif. Body blank sorting apparatus for plate slitting machines. 1,841,426; Jan. 19.

Balletti, John C., assignor to American Can Company, San Francisco, Calif. Tin plate sorting machine. 1,873,860; Aug. 23.

Ballew, Elmer L., Chicago, Ill. Racing apparatus. 1,850,164; Mar. 22.

Ballew, Elmer L., Chicago, Ill. Racing apparatus. 1,888,106; Nov. 15.

Ballhorn, Kurt, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,845,215; Feb. 16.

Ballief, A. H., Corporation. (See Neely, Frank R., assignor.)

Ballief, Harry P., Sistedale, Pa. Table. 1,881,306; Oct. 4.

Ballman, Edwin C., St. Louis, Mo. Feeding mechanism for arc lamps. 1,842,233; Jan. 19.

Ballman, Edwin C., St. Louis, Mo. Mounting for ball bearings. 1,850,068; Mar. 22.

Ballman, Edwin C., St. Louis, Mo. Alternating current motor. 1,865,160; June 28.

Ballman, Edwin C., St. Louis, Mo. Single phase condenser motor. 1,882,733; Oct. 18.

Ballou, B. A. & Co. (See Vetter, Louis J., assignor.)

Ballou, Harry R., Rutland, Vt., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,852,100; Apr. 5.

Ballou, Harry R., Canton, Ohio, assignor to The Hoover Company. Dust separator. 1,859,861; May 24.

Ballou, John M. (See Ford, H. C., Ballou, and Balzer.)

Ballou, John M., Forest Hills, N. Y., assignor to Merrill Aircraft Company, Dover, Del. Airplane. 1,849,652; Mar. 15.

Bally, Oscar, P. Grossmann, and F. Felix, assignors to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs of the anthraquinone series and making same. 1,856,802; May 3.

Balmer, Harry T., Collingdale, assignor of one-half to R. S. Hamric, Philadelphia, Pa. Rifle support. 1,883,465; Oct. 18.

Balmer, J. H., Co. (See Jones, Daniel L., assignor.)

Balmer, Leslie G., St. Louis, Mo. Pencil lead indicator. 1,865,751; Nov. 1.

Balmos, Edward J., Devine, Tex. Folding chair for sewing machines. 1,867,799; July 19.

Balough, Charles, assignor to Hercules Motors Corporation, Canton, Ohio. Engine cooling apparatus. 1,840,010; Jan. 5.

Balough, Charles, assignor to Hercules Motors Corporation, Canton, Ohio. 1,845,015; Feb. 16.

Balsam, Maurice M., assignor to H. H. Rubin, New York, N. Y. Apparatus for and method of attaching pompons or the like. 1,854,501; Apr. 19.

Balsamo Mariano, assignor to Fruit Supply Company, St. Louis, Mo. Basket. 1,875,694; Sept. 6.

Balschuweit, Wilhelm, New York, N. Y. Extension table. 1,870,222; Aug. 9.

Balsiger, Harold E. (See Ott, C. L., and Balsiger.)

Balsiger, Harold E. (See Steiner, A. P., and Balsiger.)

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Automatic by-pass valve. 1,879,020; Sept. 27.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Tarry mechanism for grinding machines. 1,885,070; Oct. 25.

Balsley, James R., Beverly Hills, assignor to Fox Film Corporation, Hollywood, Calif. Sound recording system. 1,881,040; Oct. 4.

Balthasar, Kurt, Klingenfurt, assignor of undivided four-fifths to R. Krause, Vienna, A. Zingl, C. Derflinger, and J. Ortis, Klagenfurt, Austria. Manufacture of cement. 1,844,940; Feb. 16.

Balthazard, John N., et al. (See Strackbein, Conrad, assignor.)

Balthis, Ben D. (See Thomas, J. V., and Balthis.)

Baltimore Bottle Machine Company, The. (See Nixon, Clarence R., assignor.)

Baltimore Paper Company. (See Winkler, A., and Dünnebier, assignors.)

Baltzley, Louis E., Glen Ridge, N. J. Binder clip. 1,865,453; July 5.

Baltzley, Louis E., Glen Ridge, N. J. Cap wrench. 1,887,615; Nov. 15.

Baltzley, Louis E., Glen Ridge, N. J. Binder clip. 1,891,494; Dec. 20.

Baltzley, Oren F., Hagerstown, Md. Soap holder. Des. 86,990; May 24.

Balz, Otto, and W. Wagner, Ludwigshafen-on-the-Rhine, Germany. Decomposition of crude phosphates. 1,860,879; Aug. 2.

Balzer, Paul, assignor to M. & B. Manufacturing Co., Inc., Leonia, N. J. Connecting branch sleeve. 1,843,191; Feb. 2.

Balzer, Paul, assignor to M. & B. Manufacturing Co., Inc., Leonia, N. J. Fitting and making the same. 1,843,192; Feb. 2.

Balzer, Fred, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Unloading net for extractors. 1,871,402; Aug. 9.

Balzer, Fritz, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,862,652; June 14.

Balzer, Vernon W. (See Ford, H. C., Ballou, and Balzer.)

Balzhiser, E. C., et al. (See Fabbro, Louis M., assignor.)

Bamberg, Edward C., Tujunga, and L. M. Sykes, Los Angeles, Calif. Oven rack operating mechanism. 1,885,404; Nov. 1.

Bamberger, Kurt. (See Mieg, W., and Bamberger.)

Bamberger, Kurt. (See Schmidt, R. E., Stein, and Bamberger.)

Bamblett, Frederick, assignor to Packard Motor Car Company, Detroit, Mich. Treatment of metal articles. 1,878,096; Sept. 20.

Bambrick, Irving L., Boston, Mass. Golf club guide. 1,854,392; Apr. 19.

Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Combined tail-light, stop light and backing light for motor vehicles. 1,883,466; Oct. 18.

Bamkin, John W., Leicester, England. Improved loop inserting machine. 1,855,541; Apr. 26.

Bamsch, Alois E., assignor to Clowe & Cowan, Inc., Amarillo, Tex. Lock for boxes. 1,878,362; Sept. 20.

Banbury, Fernley H., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Rubber working machine. 1,881,994; Oct. 11.

Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,853,189; Apr. 12.

Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,868,622; July 26.

Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,886,516; Nov. 8.

Bancel, Paul A., Montclair, N. J., and J. Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Condensing system. 1,854,288; Apr. 19.

Banck, Hans J. E., assignor to Springfield Boiler Co., Springfield, Ill. Steam generator. 1,885,071; Oct. 25.

Bancroft, Albert F., West Newton, Mass. Shoe. Des. 86,101; Feb. 2.

Bancroft, Albert F., West Newton, Mass. Shoe. Des. 86,347; Mar. 1.

Bancroft, Albert F., West Newton, Mass. Shoe. Des. 86,758; Apr. 19.

Bancroft, Albert F., West Newton, Mass. Shoe. Des. 86,759; Apr. 19.

Bancroft, Albert F., West Newton, Mass. Shoe. Des. 87,141; June 14.

Bancroft, Albert F., West Newton, Mass. Shoe. Des. 88,066; Oct. 25.

Bancroft, Albert F., West Newton, assignor to Bancroft-Waist Company, Boston, Mass. Footwear. 1,890,209; Dec. 6.

Bancroft, Everett C., Hamilton, N. Y. Apparatus for lifting invalids. 1,876,822; Sept. 13.

Bancroft Holdings Limited. (See Johns, Henry S., assignor.)

Bancroft, Joseph, & Sons Co. (See Macadam, John, jr., assignor.)

Bancroft-Walker Company. (See Bancroft, Albert F., assignor.)

Bancroft, Walter H. (See Ford, B., and Bancroft.)

Bancroft, William, Pawtucket, R. I. Tennis racket frame. 1,871,578; Aug. 16.

Bandemer, William E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid depth indicating device. 1,876,500; Sept. 13.
Bandini, Michele A. (See Bruzzone, Luigi, assignor.)
Bandoly, Erich, assignor to Central Scientific Company, Chicago, Ill. Making oil traps for vacuum pumps and similar articles. 1,845,216; Feb. 16.
Bandonill, Placido H., Vigan, Ilocos Sur, Philippine Islands. Combination call bell and blotter holder. 1,870,160; Aug. 2.
Bandfield, Thomas H., Portland, Oreg. Coal burning stoker. 1,844,026; Feb. 9.
Banfield, Thomas H., Portland, Oreg. Doorcheck. 1,877,639; Sept. 13.
Bang, Harold E., New York, N. Y. Refrigerated bed and couch. 1,891,903; Dec. 27.
Bang, Paul Yonkers, N. Y. Airplane. 1,875,210; Aug. 30.
Bangs, Owen M., Brooklyn, N. Y. Seal lock. 1,854,574; Apr. 19.
Bangs, Owen M., New York, N. Y. Hinge. 1,878,363; Sept. 20.
Bangser, William, New York, N. Y., assignor to H. Maimin Company, Incorporated. Cloth-cutting machine. 1,846,019; Feb. 23.
Bangser, William, New York, N. Y., assignor to H. Maimin Company, Incorporated. Cloth-cutting machine. 1,846,020; Feb. 23.
Banigan, Thomas P., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Apparatus for guiding threads. 1,878,455; Sept. 20.
Baninger, John H., assignor of The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,851,561; Mar. 29.
Bank, Abraham, Newgnor to S. Bank, Jersey City, N. J. Upholstery construction. 1,864,514; June 28.
Bank of America et al., executors. (See Sperry, Lawrence L.)
Bank, Sylvia. (See Bank, Albert M., assignor.)
Banker, Oscar H., Philadelphia, Pa. Multicolor printing press. 1,879,197; Sept. 27.
Banker, Oscar H., Philadelphia, Pa., assignor to Continental Illinois Bank & Trust Company, Chicago, Ill. Automatic transmission. 1,843,193; Feb. 2.
Banker, Oscar H., Philadelphia, Pa., assignor to Continental Illinois Bank & Trust Company, Chicago, Ill., trustees. Automatic clutch. 1,851,146; Mar. 29.
Banker, Oscar H., Philadelphia, Pa., assignor to Continental Illinois Bank & Trust Company as trustee, Chicago, Ill. Automatic clutch. 1,861,830; June 7.
Banker, Oscar H., assignor to Continental Illinois Bank & Trust Company, Chicago, Ill. Variable speed transmission. 1,843,194; Feb. 2.
Banker, Oscar H., assignor to Continental Illinois Bank & Trust Company, Chicago, Ill. Automatic change speed transmission. 1,843,195; Feb. 2.
Banker, Oscar H., assignor to Continental Illinois Bank & Trust Company, Chicago, Ill., as trustees. Making planetary gearing. 1,851,147; Mar. 29.
Banker, Otto. (See Sheppard, S., and Banker.)
Bankers Electric Protective Association. (See Flagg, Clarence L., assignor.)
Bankers Thrift Corporation. (See Kusel, Abraham J., assignor.)
Bankert, Fred H., Ottawa, assignor to Chicago Retort and Fire Brick Company, Chicago, Ill. Brick press. 1,869,935; Aug. 2.
Banks, Charles G. (See Hirsch, Frank G., assignor.)
Banks, Charles G., Los Angeles, Calif. Universal connection for all metal rotary hose for oil wells. 1,885,966; Nov. 1.
Banks, Charles L., St. Louis, Mo. Finger massage machine. 1,885,575; Nov. 1.
Banks, Frederick E., assignor to The Kennedy Valve Mfg. Co., Elmira, N. Y. Breakable ring for hydrants, street lamp columns, metal or concrete posts, etc. 1,883,467; Oct. 18.
Banks, Harry N., Long Beach, Calif. Tilting in-lay table top. 1,851,299; Mar. 29.
Banks, Harry P., G. Davidson, I. F. Laucks, and H. F. Rippey, assignors to I. F. Laucks Inc., Seattle, Wash. Emulsifying agent. 1,855,934; Apr. 26.
Banks, Harvey W., 3d, Norcton, Conn., assignor to Loomis, Stump & Banks, New York, N. Y. Colloidal fungicidal metallic composition and making the same. 1,853,397; Apr. 12.
Banks, Millard S., New York, N. Y. Device for use in blowing smoke rings. 1,891,466; Dec. 20.
Banks, William E., and A. F. Stone, St. Louis, Mo. Connecter. 1,856,455; May 3.
Bankson, William R., Pittsburgh, Pa. Street indicator. 1,853,841; Apr. 12.
Bannan, George, Harrison, Nebr. Pipe clamp or dog. 1,866,075; July 5.
Banner, Frank H., assignor to General Railway Signal Company, Rochester, N. Y. Making wrist pins. 1,876,550; Sept. 13.
Banner Rock Corporation. (See Powell, Edward R., assignor.)
Banning, Ephraim, trustee. (See Berger, Louis A., assignor.)
Banning, Ephraim, trustee. (See Cuyle, Joseph L., assignor.)
Banning, Thomas A., jr., Wilmette, Ill., assignor to Dryice Equipment Corporation New York, N. Y. Refrigeration and storage and carriage of gasoline and other volatile materials. 1,858,610; May 17.
Banning, Thomas A., jr., Wilmette, Ill., assignor to Dryice Equipment Corporation, New York, N. Y. Refrigeration and the like. 1,873,101; Aug. 23.
Bannister, Albert R. (See Chubb, G. C. P., Colmer, and Bannister.)
Bannister, William J. (See Simms, C. W., Bannister, and Swallen.)
Banshak, Sylvester, W., Rowes Run, Pa. Car coupling. 1,847,806; Mar. 1.
Banta, Len A., Clearfield, Pa. Building wall. 1,865,424; July 5.
Bantam Ball Bearing Company, The. (See Herrmann, Karl L., assignor.)
Bantly, Mossi B., Los Angeles, Calif. Dispensing device for powdered substances. 1,855,378; Apr. 26.
Bantly, Mossi B., Los Angeles, Calif. Draft protector. 1,870,483; Aug. 9.
Banton, Albert W. (See Forbes, J. C., and Banton.)
Bantz, John E., and R. Smith, Perrysville, Ind., said Smith assignor to said Bantz. Sanitary chicken feeder. 1,874,418; Aug. 30.
Bany, Herman, Yeadon, Pa., assignor to General Electric Company. Automatic control equipment. 1,860,166; May 24.
Bany, Herman, and Harold T. Seeley, Yeadon, Pa., assignors to General Electric Company. Automatic switching arrangement. 1,860,167; May 24.
Baptiste, Robert H., Catskill, N. Y. Dispensing device. 1,841,275; Jan. 12.
Baracete, Stephen, Troy, N. Y. Electric roll laundry iron. 1,850,910; Mar. 22.
Barad, Alexander, assignor to Hunter Candy Corporation, New York, N. Y. Box. 1,892,092; Dec. 27.
Baraswanath, William C., Lexington, Mass. Curtain control. 1,857,682; May 10.
Barasowski, Kazimierz, Paris, France, assignor, by mesne assignments, to Einstein's Electrical Chemical Process Limited, London England. Electrical conductor preparation. 1,850,738; Mar. 22.
Barb, Clark F. (See Bacon, Tom, R. C., and Barb.)
Barbarou, Marius J. B., Paris, France. Connecting rod of engines with radially arranged cylinders. 1,858,798; May 17.
Barbarou, Marius J.-B., Paris, France. Internal-combustion engine. 1,866,873; July 12.
Barber Asphalt Company, The. (See Browne, Frank A., assignor.)
Barber Asphalt Company, The. (See Hayden, Harold P., assignor.)
Barber Asphalt Company, The. (See Smith, Preston R., assignor.)
Barber, Benjamin R., Jacksonville, Fla. Latch for railroad switches. 1,877,788; Sept. 20.
Barber, Charles E. (See Berlin, M. H., Barber, and Wilt.)
Barber, Clifford L., assignor to Kester Solder Company, Chicago, Ill. Soldering flux. 1,832,734; Nov. 15.
Barber, Clifford L., assignor to Kester Solder Company, Chicago, Ill. Soldering fluid. 1,882,735; Oct. 18.
Barber-Colman Company. (See Breer, John P., assignor.)
Barber-Colman Company. (See Colman, Howard D., assignor.)
Barber-Colman Company. (See Cummings, Preston W., assignor.)
Barber-Colman Company. (See Edgar, John, assignor.)
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Lateral motion freight car truck. 1,857,345; May 10.
Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Lateral motion freight car truck. 1,872,102; Aug. 16.
Barber, George B., Sparks, assignor of one-half to Melvin E. Jepson, Reno, Nev. Bed. 1,870,704; Aug. 9.
Barber, George H., New Rochelle, N. Y., assignor to Bond Electric Corporation, Jersey City, N. J. Flash light bottom cap with banner. 1,853,151; June 7.
Barber, George H., New Rochelle, assignor to Bond Electric Corporation, New York, N. Y. Flash light. 1,870,829; Aug. 9.
Barber Greene Company. (See Barber, Harry H., assignor.)
Barber-Greene Company. (See Garbe, Edmund M., assignor.)
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Co. Sifter mechanism for conveyers. 1,846,668; Feb. 23.
Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Screening mechanism. 1,846,669; Feb. 23.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Conveyer. 1,846,829; Feb. 23.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Loading machine. 1,868,789; July 12.
Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Portable conveyer. 1,866,834; July 12.
Barber, Harry H., assignor to Barber Greene Company, Aurora, Ill. Scraper for ditching machines. 1,868,515; July 26.
Barber, Harry H., assignor to Barber Greene Company, Aurora, Ill. Scraper control. 1,882,736; Oct. 18.

Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Weighing hopper. 1,882,737; Oct. 18.

Barber, Horace G., and H. B. Muckleston, Vancouver, British Columbia, Canada. Supporting tunnel roofs and walls in unstable ground and shields therefor. 1,855,466; Apr. 26.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Flat sheet delivery for printing presses. 1,888,783; Nov. 22.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Self-adjusting feed roll. 1,889,523; Nov. 29.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Self-adjusting feed roll. 1,889,524; Nov. 29.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Self-adjusting feed roll. 1,889,525; Nov. 29.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Self-adjusting feed roll. 1,889,526; Nov. 29.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Self-adjusting feed roll. 1,889,527; Nov. 29.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Self-adjusting feed roll. 1,889,528; Nov. 29.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet delivery mechanism for printing presses. 1,840,011; Jan. 5.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Multicolor rotary printing press. 1,847,639; Mar. 1.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Multicolor rotary printing press. 1,847,708; Mar. 1.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web printing rotary press. 1,864,166; June 21.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web printing rotary press. 1,864,167; June 21.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Multicolor rotary printing press. 1,868,963; July 26.

Barber, Hugh B. (See de Coriolis, E. G., and Barber, assignors.)

Barber, Hugh B., assignor to Surface Combustion Corporation, Toledo, Ohio. Combustion of gaseous fuel. 1,841,698; Jan. 19.

Barber, Hugh B., and Ernest G. de Coriolis, assignors to Surface Combustion Corporation, Toledo, Ohio. Safety pilot apparatus. 1,841,463; Jan. 19.

Barber, James, and Bill London, England. Valve or cock. 1,890,357; Dec. 6.

Barber, James H., Detroit, Mich., assignor to Budd Wheel Company, Detroit, Mich. Attaching fairing to aeroplane wheels. 1,861,432; June 7.

Barber, John A., Olean, N. Y. Aeroplane parachute. 1,849,970; Mar. 15.

Barber, John W., assignor to Barber Mfg. Company, Anderson, Ind. Seat spring construction. 1,874,221; Aug. 30.

Barber, Joseph L., Greeley, Colo. Automatic photographic printing machine. 1,885,055; Oct. 25.

Barber, Lee W., assignor to Standard Car Truck Co., Chicago, Ill. Roller side bearing for cars. 1,845,940; Feb. 9.

Barber Mfg. Company. (See Barber, John W., assignor.)

Barber Manufacturing Company. (See Jones, Roy S., assignor.)

Barber, Martin A., Cleveland, Ohio, assignor to Consolidated Patent Corporation, Wilmington, Del. Automatic train pipe connecter. 1,879,021; Sept. 27.

Barber, Orren E., et al. (See Anderson, Carlton.)

Barber, Roland B., Wheeler Road, Md. Spring compressor for removing poppet valves. 1,862,454; June 7.

Barber, Thomas S., Shelbyville, Tenn. Watch-hand gauge. 1,892,564; Dec. 27.

Barber, Thomas W., London, England. Mixing apparatus. 1,846,577; Feb. 23.

Barber, William, Brooklyn, N. Y. Dust bag and coupling for vacuum cleaners. 1,871,024; Aug. 9.

Barberau, Fayet, France. Assignor to Pencil Mechanism Corporation, New York, N. Y. Mechanical pencil. 1,864,038; June 21.

Barbet, Emile A., Paris, France. Apparatus for the fractionation of heavy oils. 1,873,734; Aug. 23.

Barbier, Henri, Geneva, Switzerland. Nitroderivative of butylycmene and preparing the same. 1,892,128; Dec. 27.

Barbieri, Angelo, Milan, Italy. Electrically driven system of instruments through keyboard and pedals. 1,874,154; Aug. 30.

Barbieri, Cesare, New York, N. Y., assignor to Vortex Cup Company, Chicago, Ill. Cup dispenser. 1,839,637; Jan. 5.

Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Capping machine for containers. 1,843,536; Feb. 2.

Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Cup machine. 1,846,244; Feb. 23.

Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Securing caps in cups with rolled edges. 1,846,670; Feb. 23.

Barbieri, Cesare, New York, N. Y., assignor to Vortex Cup Company, Chicago, Ill. Cup and blank therefor. 1,870,223; Aug. 9.

Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Printing and cup forming machine. 1,880,662; Oct. 4.

Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Filling and capping machine for containers. 1,880,663; Oct. 4.

Barbieri, Cesare, New York, N. Y. Mixer and dispenser. 1,880,664; Oct. 4.

Barbiers, Ferdinand S., assignor to The Hocking Glass Company, Lancaster, Ohio. Jar. Des. 86,656; Apr. 5.

Barbiers, Ferdinand S., Lancaster, Ohio, assignor, by mesne assignments, to Marion Lambert, Inc., St. Louis, Mo. Bottle or similar container. Des. 87,142; June 14.

Barbiers, Ferdinand S., assignor to The Hocking Glass Company, Lancaster, Ohio. Glass pail. Des. 87,453; Aug. 2.

Barbiglio, Peter. (See Gunn, Fred M., assignor.)

Barbour, Fred P., Denver, Colo. Combined desk and invalid's table. 1,839,291; Jan. 5.

Barbour, Howard C., and R. H. Zellman, Elyria, assignors to The Thew Shovel Company, Lorain, Ohio. Grapple. 1,854,325; Apr. 19.

Barbour, James G., assignor to The Metropolitan Paving Brick Company, Canton, Ohio. Trickling filter floor construction. 1,883,468; Oct. 18.

Barbour, John E., Paterson, N. J., assignor to National Net & Twine Co. Inc., Boston, Mass. Delivering and winding strands, etc. 1,866,148; July 5.

Barbour, Perley E. (See Greene, Percy W., assignor.)

Barbour, Perley E., Quincy, Mass. Welting and its manufacture. 1,872,220; Aug. 16.

Barbour Welting Company. (See Greene, Percy W., assignor.)

Barbulesco, Constantin D., assignor to P. S. Edwards, Dayton, Ohio. Constant frequency circuits. 1,874,222; Aug. 30.

Barcalo, Edward J., Buffalo, N. Y. End frame for swings or similar article. Des. 87,823; Sept. 27.

Barcalo, Edward J., Buffalo, N. Y. Pillow or cushion. 1,890,358; Dec. 6.

Barce, John O., Chicago, Ill. Shower bath cabinet. 1,854,443; Apr. 19.

Barce, John O., Chicago, Ill. Shower bath cabinet. 1,859,017; May 17.

Barce, John O., Chicago, Ill. Valve. 1,873,260; Aug. 23.

Barce, John O., Chicago, Ill. Shower bath cabinet. 1,879,782; Sept. 27.

Barcelo, Andrés P., Santiago, Cuba. Egg opener. 1,849,912; Dec. 24.

Barclay Davit Company Limited. (See Barclay, John S., assignor.)

Barclay, Earle H. (See Patrick, W. A., and Barclay.)

Barclay, Earle H., Hamilton, Ohio, assignor to The Silica Gel Corporation, Baltimore, Md. Adsorbent and/or catalytic gels and making same. 1,864,628; June 28.

Barclay, Earle H., assignor to The Silica Gel Corporation, Baltimore, Md. Catalytic gel and making same. 1,879,022; Sept. 27.

Barclay, Edward P., Los Angeles, Calif. Drill shaft buffer. 1,841,929; Jan. 19.

Barclay, Edward P., Los Angeles, Calif. Coupler. 1,861,822; June 21.

Barclay, John S., assignor to Barclay Davit Company Limited, London, England. Chock for ships' boats. 1,868,943; July 26.

Barclay, McClelland, New York, N. Y. Ash receiver or similar article. Des. 86,434; Mar. 8.

Barclay, McClelland, New York, N. Y. Electrolier for telephone instrument. Des. 86,556; Mar. 22.

Barclay, McClelland, Los Angeles, Calif. Automobile. Des. 87,774; Sept. 20.

Barclay, Robert, Glasgow, Scotland. Transmission mechanism. 1,855,899; Apr. 26.

Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Sign. 1,873,261; Aug. 23.

Barclay, Robert H., New York, N. Y. Message holder for telephones. 1,889,742; Dec. 6.

Barclay, William R. (See Gouldbourn, J., Ricks, and Barclay.)

Barclay, William R., and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel seat fitting machine. 1,847,289; Mar. 1.

Barclay, Wright, New York, N. Y. Ramp. 1,884,513; Oct. 25.

Barco Manufacturing Company. (See Bertram, Clarence C., assignor.)

Barcy-Nicholson Company. (See Wood, Joseph, assignor.)

Bard, Francis N., Highland Park, Ill. Fluid delivery. 1,849,702; Mar. 15.

Bard, Francis N., Highland Park, Ill. Pipe coupling and insulation therefor. 1,866,835; July 12.

Bard, Francis N., Highland Park, Ill. Reverse gear mechanism. 1,869,363; Aug. 2.

Bard, Francis N., Highland Park, Ill. Steam pipe coupling. 1,883,469; Oct. 18.

Bard, Francis N., Highland Park, Ill., assignor to Walworth Patents Inc., Boston, Mass. Lubricated plug valve. 1,858,207; Nov. 22.
Bardeu, Earl M., assignor to Packard Motor Car Company, Detroit, Mich. Stencil. 1,860,219; May 24.
Bardeu, Earl M., assignor to Packard Motor Car Company, Detroit, Mich. Painting instrument. 1,886,863; Nov. 8.
Bardeu, John L., New York Mills, Minn. Well rod gripper. 1,852,039; Apr. 5.
Bardeu, William A., New York, N. Y. Ground-gripping device for shoes. 1,874,205; Aug. 30.
Bardet, George A., and G. V. Bardet, Berkeley, assignors to M. J. B. Co., San Francisco, Calif. Master valve mechism for vacuum sealing machines. 1,874,854; Aug. 30.
Bardet, George G. (See Bardet, George A. and G. V.)
Bardgett, William B. (See Barr, W., and Bardgett.)
Bardsley, Carleton P. (See Weiss, M. L., and Bardsley.)
Bardsley, George H., Dover, N. J. Fuse for projectiles. 1,850,196; Mar. 22.
Bardsley, Willard W., Providence, assignors to Wardwell Braiding Machine Company, Central Falls, R. I. Insulating and wrapping machine. 1,858,909; Apr. 26.
Bardwell, Martin W., Belchertown, Mass. Portable electric saw. 1,845,644; Feb. 16.
Bareis, Charles J., Milwaukee, Wis. Advertising sign. 1,867,051; July 12.
Bareiss, Max, Watertown, Mass. and E. Wiegand, Berlin-Waidmannslust, Germany, assignors to General Electric Company. Introducing mercury into discharge tubes and apparatus therefor. 1,855,901; Apr. 26.
Barelli, Henry G. (See Beard, H. G. Justus, and Barelli.)
Barels, James, Chicago, Ill. Container. 1,839,728; Jan. 5.
Barels, James, Chicago, Ill. Container and stand therefor. 1,839,729; Jan. 5.
Barels, James, Chicago, Ill. Carburetor regulating mechanism. 1,866,076; July 5.
Barels, James, Milwaukee, Wis. Carburetor. 1,840,999; Jan. 12.
Barendse, Simon, Paris, and L. Garreau, Maisons Laffitte, France, assignors to Kodak Pathé. 1,870,941; Aug. 9.
Barényi, Árpád, Berlin-Lichterfelde, Germany. Photographic shutter. 1,843,265; Feb. 2.
Barényi, Árpád, Berlin-Lichterfelde. Germany. Photographic shutter. 1,848,926; Mar. 8.
Barényi, Árpád, Berlin-Lichterfelde, Germany. Photographic shutter. 1,856,308; May 3.
Barényi, Árpád, Berlin-Lichterfelde, Germany. Photographic shutter. 1,861,256; May 31.
Barényi, Árpád. Berlin-Lichterfelde, Germany. Photographic shutter. 1,861,257; May 31.
Barényi, Árpád, Berlin-Lichterfelde, Germany. Photographic shutter. 1,865,078; June 28.
Baresch, William F., College Point, N. Y. Igniter for gas burners. 1,859,589; May 29.
Barfoed, Svend, San Francisco, Calif. High tension insulator. 1,858,611; May 17.
Barger, Frederick C., Columbus, Ohio, assignor to Pines Winterfront Company, Chicago, Ill. Shutter control for internal combustion engines. 1,839,525; Jan. 5.
Barger, George K. (See Troft, T., and Barger.)
Barghausen, John F., Washington, D. C., dedicated by assignments to the Government and the people of the United States of America, apparatus for branding the grade on cheese. 1,856,530; May 3.
Barham, Frank F. (See McDevitt, Edward L., assignor.)
Barill, Arthur E., Los Angeles, Calif. Stuffed pastry machine. 1,844,142; Feb. 9.
Baringer, Le Roy E., Webber, Kans. Fence staple applying tool. 1,848,763; Mar. 8.
Barlagud, Georges, Paris, France. Carburetor. 1,887,795; Nov. 15.
Barish, Thomas, Jamestown, N. Y. Apparatus for truing grinding balls. 1,874,156; Aug. 30.
Barium Reduction Corporation. (See Pierce, James B., Jr., assignor.)
Barium Reduction Corporation. (See Pierce, J. B., Jr., and Curnes, assignors.)
Barkdoll, Orman R., Ben Avon, Pa. Compression case for playing balls. 1,861,948; June 7.
Barkeij, Jean A. H., Altadena, Calif. Sleeve-valve internal combustion engine. 1,874,223; Aug. 30.
Barkeij, Jean A. H., Altadena, Calif. Internal combustion engine. 1,885,576; Nov. 1.
Barkeij, Jean A. H., Los Angeles, Calif. Internal combustion engine. 1,861,106; May 31.
Barkeij, Jean A. H., Los Angeles, Calif. Internal combustion engine. 1,874,419; Aug. 30.
Barkeij, Jean A. H., Los Angeles, Calif., assignor to G. C. Arvedson, New York, N. Y. Internal combustion engine. 1,892,129; Dec. 27.
Barkelew, James T. (See Ingman, T. M., Garbutt, and Barkelew.)
Barkelew, James T., Pasadena, Calif., assignor to Paramount Publix Corporation, New York, N. Y. Film developing system. 1,890,026; Dec. 6.
Barkelew, James T., Pasadena, Calif., assignor to Paramount Publix Corporation, New York, N. Y. Film developing system. 1,890,490; Dec. 13.
Barker, Charles D., Jackson, Mich., assignor to I. J. Adams, New York, N. Y. Electrical display device. 1,860,979; May 31.
Barker, David J., Seattle, Wash. Casement window swinging means. 1,864,790; June 28.
Barker, Edward. (See Lewis, Lawrence W., assignor.)
Barker, Edwin H., Moylan, Pa., assignor to A. H. Wirz, Inc., Chester, Pa. Dispensing tube. Re18,433; Apr. 19.
Barker, Eros V., assignor to J. F. Martin, Bellevue, Ohio. Vehicle accessory rear bracket. 1,859,424; May 24.
Barker, Eros V., assignor to J. F. Martin, Bellevue, Ohio. Reserve wheel element mounting. 1,860,920; May 31.
Barker, Eugene. (See Speck, W. C., and Barker.)
Barker, Galen D., Dowagiac, Mich. Heater control. 1,854,289; Apr. 19.
Barker, Harry. (See Douglas, Edwin R., assignor.)
Barker, Harry J., Chicago, Ill. Poultry fount and feeder. 1,872,645; Aug. 23.
Barker, Howard F., assignor to Remington Rand Inc., Buffalo, N. Y. Index device. 1,868,188; July 19.
Barker, John S., Washington, D. C. Fuse for airplane flares. 1,857,131; May 10.
Barker, Joseph R., Fall Brook, Calif., assignor to International Harvester Company. Tractor disk harrow. 1,878,805; Sept. 20.
Barker, Maurice E., Edgewood, Md. Apparatus and process for muffling and purifying exhaust gases. 1,855,165; Apr. 19.
Barker, Norris. (See Manners, W. H., and Barker.)
Barker, Percy E., Shaker Heights, assignor to The Cinderella Washing Machine Company, Cleveland, Ohio. Combination washing machine and dust collector. 1,850,665; Oct. 4.
Barker, Raymond L., Chicago, Ill. Wearing apparel. 1,854,821; Apr. 19.
Barker, Richard. (See Jones, T., Barker, and Murray.)
Barker, Virgil D., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for producing electrical resistance elements. 1,855,870; Apr. 26.
Barker, Ward T., Kansas City, Mo. Recirculation system. 1,875,549; Sept. 6.
Barker, Wayne M. (See Smith, F., and Barker.)
Barker, William T., jr. (See Peiler, K. E., and Barker.)
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Mold charge delivery apparatus. 1,861,285; Mar. 29.
Barker, William T., jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Obtaining variegated glass. 1,873,486; Aug. 23.
Barkey, Isaac H., Brooklyn, assignor to General Talking Pictures Corporation, New York, N. Y. Exciter lamp. 1,883,152; June 14.
Barks, Frank S., St. Louis, Mo. Lubricator. 1,888,064; Nov. 15.
Barks, Frank S., St. Louis, Mo. Pump. 1,858,979; May 17.
Barks, Theo. R. (See Guyton, Raymond E., assignor.)
Barlow, Ernest E., London, England, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,850,911; Mar. 22.
Barlow, George E., Wilmington, Del. Duplex thermostatic trap for vapor heating systems. 1,844,553; Feb. 9.
Barlow, H. T. (See Hannan, G. R., and Goldman, assignors.)
Barlow, Horace J. A., Fendalton, and R. D. Cargill, Christchurch, New Zealand. Apparatus for recording and reproducing disk records for talking machines. 1,862,524; June 14.
Barlow, Thomas M. (See Lyon, G., Fairey, and Barlow.)
Barmer Maschinenfabrik Aktiengesellschaft. (See Sieper, Fritz, assignor.)
Barnack, Oskar, assignor to the Firm Ernst Leitz, Optische Werke, Wetzlar, Germany. Device for developing film rolls. 1,840,427; Jan. 12.
Barnack, Oskar, assignor to Ernst Leitz Optische Werke, Wetzlar, Germany. Adjusting device for the parts of optical instruments. 1,849,445; Mar. 15.
Barnack, Oskar, assignor to Ernst Leitz Optische Werke, Wetzlar, Germany. Photographic camera. 1,858,385; May 17.
Barnak, William, Nanticoke, Pa. Firearm. 1,843,061; Jan. 26.
Barnard, Arthur E., Norristown, Pa., assignor to Dispersions Process, Inc., Dover, Del. Process of reclaiming vulcanized rubber and product of same. 1,870,886; Aug. 9.
Barnard, Dean S., Hinsdale, Ill., assignor to The Rome Company, Inc. Means to secure coiled springs to a support. 1,871,440; Aug. 16.
Barnard, Dean S., Hinsdale, Ill., assignor to The Rome Company, Inc. Coiled spring cushion. 1,883,470; Oct. 18.
Barnard, Dean S., Hinsdale, and W. Empacher, Chicago, Ill., assignors to The Rome Company, Inc. Spring cushion and frame. 1,853,031; Apr. 12.
Barnard, Dudley J., Barking, England. Grab. 1,853,250; Apr. 12.
Barnard, Edgar A., Washington, D. C. Lamp. Des. 87,043; May 31.
Barnard, Ethel. (See McCarten, Helen, assignor.)

Barnard, Florence, Brookline, assignor to Milton Bradley Company, Springfield, Mass. Game board or the like. Des. 87,143; June 14.

Barnard, Harry, and W. H. Cotton, assignors to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,844,238; Feb. 9.

Barnard, Thomas H. (See Goodwin, A. C., and Barnard.)

Barnecut, William J., Highland Park, Mich. Television scanning device. 1,862,455; June 7.

Barner, Lawrence D. (See Hacker, M. L., Wells, Hacker, and Barner.)

Barner, Lawrence D., Beaumont, Tex. Gate valve mechanism. Des. 86,906; Mar. 8.

Barnes, Albert F., deceased, Brooklyn, N. Y., A. Barnes, Brooklyn, N. Y., executrix. Apparatus for the formation of concrete tubes in situ. 1,843,301; Mar. 8.

Barnes, Alvin P., assignor to Serv-Rite Corporation, Minneapolis, Minn. Fruit holder. Des. 87,824; Sept. 27.

Barnes, Annabel, executrix. (See Barnes, Albert F.)

Barnes Drill Company. (See Johnson, Albert M., assignor.)

Barnes, Eugene L., Buffalo, N. Y. Refrigerating apparatus and method of refrigerating. 1,875,211; Aug. 30.

Barnes, Eugene L., Buffalo, N. Y. Evaporating unit. 1,855,671; Nov. 1.

Barnes, Fred J., Detroit, Mich. Coat and trousers press. 1,890,895; Dec. 13.

Barnes, George D., Penn Yan, N. Y. Cigarette extinguisher. 1,863,017; June 14.

Barnes, George L., Los Angeles, Calif. Lighting fixture. 1,875,550; Sept. 6.

Barnes, George W., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bending tool. 1,846,933; Feb. 23.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Gun. 1,845,217; Feb. 16.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Gun. 1,845,218; Feb. 16.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Lubricating system. 1,848,302; Mar. 8.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Valve actuating mechanism. 1,848,303; Mar. 8.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Recoil and counter recoil mechanism for guns. 1,848,304; Mar. 8.

Barnes, Gladeon M., Hastings, Mich. Leveling mechanism. 1,861,744; May 29.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Gun mount and carriage. 1,861,831; June 7.

Barnes, Gladeon M., Hastings, Mich. System of fire control. 1,861,832; June 7.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Gun. 1,877,118; Sept. 13.

Barnes, Gladeon M., U. S. Army, Hastings, Mich. Vehicle. 1,888,420; Nov. 22.

Barnes, Hyrum K., Ogden, Utah. Vehicle brake. 1,845,115; Feb. 16.

Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Water tube boiler. 1,842,295; Jan. 19.

Barnes, John S., and J. A. Sands, Ann Arbor, Mich. Window screen. 1,847,746; Mar. 1.

Barnes, John S., and R. B. Billingham, assignors to W. F. and John Barnes Company, Rockford, Ill. Boring machine. 1,880,666; Oct. 4.

Barnes, Joseph E., Chicago, Ill. Lighter. 1,883,752; Oct. 18.

Barnes, Leslie W. (See Bunnell, E. C., and Barnes.)

Barnes Manufacturing Company, The. (See Gorman, James C., assignor.)

Barnes Manufacturing Company, The. (See Saxe, A. C., and Smith, assignors.)

Barnes, Mary F., Hudson, Ohio. Educational toy. 1,848,598; Mar. 8.

Barnes, Nevin C., Cleveland, Ohio. Spring shackle. 1,859,943; Jn. W.

Barnes, Noah E., Smallett, Mo. Plow. 1,892,230; Dec. 27.

Barnes, Richard P., Spindale, N. C. Knife hook adjusting sleeve. 1,892,231; Dec. 27.

Barnes Scale Company. (See King, Bert W., assignor.)

Barnes, Stanley H. (See Buccini, H. A., and Barnes.)

Barnes, W. F. and John, Company. (See Barnes, J. S., and Billingham.)

Barnes, William A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Novelty beverage dispenser. Des. 86,008; Jan. 19.

Barnes, William A., Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company. Double door structure. 1,842,708; Jan. 26.

Barnes, William A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Liquid dispensing apparatus. 1,859,619; May 24.

Barnes, William A., and M. O. Wilkinson, assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric toaster. 1,866,078; July 12.

Barnes, William B., Auburn, Ind., assignor to Universal Gear Shift Corporation. Gear shifting mechanism. 1,880,066; Sept. 27.

Barnett, Charles and W., Hatfield, Herts, England. Manufacture of brooms and brushes. 1,867,487; July 12.

Barnett, Charles and W., Hatfield, Herts, England. Brush-making machinery. 1,875,551; Sept. 6.

Barnett, George M., Riverton, Ala. Train order delivery crane. 1,858,129; May 10.

Barnett, Harry B., Cleveland, assignor to Dayton Scale Company, Dayton, Ohio. Shipping bracket. 1,880,395; Oct. 4.

Barnett, Harry J., and H. P. Trusty, Bridgeport, Conn., assignors to McLaurin-Jones Company, Brookfield, Mass. Automatic scaling machine. 1,874,224; Aug. 30.

Barnett, Isaac, Bronx, N. Y. Display fixture. 1,885,103; Nov. 1.

Barnett, Louis, Brooklyn, N. Y. Electric switch or junction box. 1,850,165; Mar. 22.

Barnett, Louis, Brooklyn, N. Y. Electric outlet-box support. 1,850,616; Mar. 22.

Barnett, Louis, Brooklyn, N. Y. Fused attachment plug fitting. 1,863,824; June 21.

Barnett, Louis, Brooklyn, N. Y. Convertible cap plug. 1,879,783; Sept. 27.

Barnett, William. (See Barnett, Charles and W.)

Barnett, William, Los Angeles, Calif. Launching device. 1,840,804; Jan. 12.

Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,870,086; Aug. 2.

Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,865; Oct. 25.

Barney, Freeman. (See Lee, J. E., Barney, and Beatty.)

Barnhart Bros. & Spindler. (See Murray, Charles R., assignor.)

Barnhart, George, Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blue sulphur color and making the same. 1,867,202; July 12.

Barnhart, George E., Pasadena, Calif. Archer's bow. 1,853,294; Apr. 12.

Barnhart, George E., Pasadena, Calif. Airplane wing construction. 1,854,444; Apr. 19.

Barnhart, George E., Pasadena, Calif. Tube drawing machine. 1,891,904; Dec. 27.

Barnhart, Job E., assignor of one-half to W. M. Scott, Lakewood, and one-half to R. E. Tresise, Cleveland Heights, Ohio. Tube checker. 1,851,658; Mar. 29.

Barnhart, John W., Bronxville, assignor to News Syndicate Co. Inc., New York, N. Y. Printing plate and underlay and producing the same. 1,842,774; Jan. 26.

Barnhart, Nelson M. (See Hedgpeth, Theron L., assignor.)

Barnhart, Robert M., Spokane, Wash. Front wheel drive. 1,873,810; Aug. 23.

Barnholdt, Harold L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inclosed fan-cooled motor. 1,858,261; May 17.

Barnitt, Jesse B., assignor to Aluminum Company of America, Pittsburgh, Pa. Adsorbent material and producing the same. 1,868,869; July 26.

Barnitt, Jesse B., Pittsburgh, and R. B. Derr, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Heat insulator. 1,870,437; Aug. 9.

Barnowitz, Harry, Brooklyn, N. Y. Garter. 1,840,302; Jan. 12.

Barnsley, Frank Herbert, Smethwick, Birmingham, England, assignor to Imperial Chemical Industries Limited. Extrusion press. 1,868,139; July 19.

Barnum, Howard N., Cleveland, Ohio, assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Drummer toy. 1,892,546; Dec. 27.

Barnum, Marvin C. (See Fonseca, E. L., Hunt, and Barnum.)

Barocas, Abraham J., Brooklyn, N. Y. Electric light attachment set. 1,891,341; Dec. 20.

Barok, George D., and B. H. Slater, assignors to The Aspirin Machine Company, Inc., Columbus, Ohio. Container for vending machine goods. 1,863,001; June 14.

Baron, Charles S., Tiffin, Ohio. Collar for connecting container bodies to their lids. 1,851,483; Mar. 29.

Baron, Charles S., Tiffin, Ohio. Closure for containers. 1,865,737; July 5.

Baron, Louis, New York, N. Y. Ice box. Des. 87,299; July 26.

Baron von Girsewald, Conway. (See von Girsewald, C., Wiedmann, Roesner.)

Barone, Antonio, Brooklyn, N. Y. Toy sand pail. Des. 86,917; Mar 17.

Barone, Russell J., Rochester, N. Y. Lamp. Des. 87,503; Aug. 9.

Barr, Andrew K., Waukegan, assignor to Waukegan Foundry Company, North Chicago, Ill. Combined base and standard for stool. Des. 86,189; Feb. 16.

Barr, Archibald, Anniesland, Glasgow, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Apparatus for plotting maps from air photographs. 1,889,042; Nov. 29.

Barr, Clarence D., Birmingham, Ala., assignor to Sand Spun Patents Corporation, Wilmington, Del. Flask. 1,873,176; Aug. 23.

Barr, Glen G., assignor to Backstay Welt Company, Union City, Ind. Gasket. 1,869,039; July 26.

Barr, Harry, Ironwood, Mich. Fish lock. 1,872,556; Aug. 16.

Barr, Jesse P., Humboldt, Tenn. Camera film and spool loading device. 1,867,488; July 12.

Barr, John F., et al. (See de Lange, Henri M., assignor.)

Barr, John Fillans. (See Skorkovsky, Jaroslav, assignor.)

Barr, John H., assignor to Barr-Morse Corporation, Ithaca, N. Y. Typewriter. 1,845,716; Oct. 25.
Barr, Joseph C., Pittsburgh, Pa. Gravel cleaner. 1,841,079; Jan. 12.
Barr-Morse Corporation. (See Barr, John H., assignor.)
Barr and Stroud, Limited. (See Barr, Archibald, assignor.)
Barr and Stroud, Limited. (See French, James W., assignor.)
Barr, Walter A., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Charging apparatus for gas generators. 1,842,234; Jan. 19.
Barr, Walter A., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Apparatus for charging fuel. 1,868,970; July 26.
Barr, William, Philadelphia, Pa. Lockable regulating device. 1,890,896; Dec. 13.
Barr, William, Hamilton, and W. E. Bardgett, Glasgow, assignors to Colvilles Limited, Glasgow, Scotland. Determining the safe working stress of metals at elevated temperatures. 1,863,233; June 22.
Barratt, William T., assignor to Charles Cooper Company, Inc., Bennington, Vt. Circular knitting machine. 1,843,412; Feb. 2.
Bar-Ray Products, Inc. (See Lapof, Samuel, assignor.)
Barredo, José B., Los Angeles, Calif. Musical string instrument. 1,885,672; Nov. 1.
Barrel Fitting and Seal Corporation of America. (See Schwariz, Henry, assignor.)
Barrett, Alfred W., assignor to Miller Printing Machinery Company, Pittsburgh, Pa. Sheet detector. 1,883,471; Oct. 18.
Barrett, Charles A., Bridgeport, Conn. Automobile stop. 1,877,789; Sept. 20.
Barrett Company, The. (See Bywater, Wilfred M., assignor.)
Barrett Company, The. (See Cowdery, Arthur B., assignor.)
Barrett Company, The. (See Darwin, Walton P., assignor.)
Barrett Company. (See Downs, Charles R., assignor.)
Barrett Company, The. (See Brewsen, Pierre, assignor.)
Barrett Company, The. (See Eckert, Clarence R., assignor.)
Barrett Company, The. (See Elms, Edward H., assignor.)
Barrett Company, The. (See Emery, Harry A., assignor.)
Barrett Company, The. (See Forrest, L. R., and Conklin, assignors.)
Barrett Company, The. (See Hamlin, Marston L., assignor.)
Barrett Company, The. (See Harvey, Edward W., assignor.)
Barrett Company. The. (See Hill, Joseph B., assignor.)
Barrett Company. (See Kratoville, John C., assignor.)
Barrett Company, The. (See Leaper, Joseph M. F., assignor.)
Barrett Company, The. (See McCloskey, Gregory E., assignor.)
Barrett Company. The. (See McCloskey, G. E., and Wingert, assignors.)
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett Company. (See Miller, S. P., and Elms.)
Barrett Company, The. (See Moses, F. G., Hess, and Perkins, assignors.)
Barrett Company, The. (See Radasch, Arthur H., assignor.)
Barrett Company, The. (See Ragan, Louis A., assignor.)
Barrett Company, The. (See Robert, John, assignor.)
Barrett Company, The. (See Rogers, Allen, assignor.)
Barrett & Company. (See Schubert, Adolf, assignor.)
Barrett Company, The. (See Steere, Frank W., assignor.)
Barrett Company, The. (See Talbott, Charles G., assignor.)
Barrett Company, The. (See Weiss, John M., assignor.)
Barrett Company, The. (See Wittenberg, Lester, assignor.)
Barrett Company, The. (See Woodcock, Joseph C., assignor.)
Barrett Company, The. (See Yeager, Frank W., assignor.)
Barrett Co., The. (See Zavertnik, Joseph, jr., assignor.)
Barrett Company, The. (See Zavertnik, J., and MacCubbin, assignors.)
Barrett, Cornelius P., Pittsburgh, Pa. Tongue brush and scraper. 1,891,864; Dec. 20.
Barrett, Edward L., assignor to Utah Radio Products Co., Chicago, Ill. Alternating current motor. 1,858,571; May 17.
Barrett, Edward R., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Gravity dump body hoist. 1,883,472; Oct. 18.
Barrett, Edward R., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Adjustable tail gate. 1,883,473; Oct. 18.
Barrett, Edward R., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Three-way dumping body construction. 1,883,474; Oct. 18.
Barrett, Eugene V. (See Peck, J. S., and Barrett.)
Barrett, Frederic W., Springfield, Ohio. Separable buckle. 1,848,407; Mar. 8.
Barrett, George E., Laurel Springs, N. J. Windlass and capstan driving mechanism. 1,856,903; May 3.
Barrett, George J., Beaumont, and S. Robichaux, Saratoga, Tex. Core taking apparatus. 1,847,424; Mar. 1.
Barrett, George J., Beaumont, and S. Robichaux, Saratoga, Tex., assignors of seven per cent to W. J. Miller. Core taking device. 1,847,423; Mar. 1.
Barrett, Harold G., Wilmette, assignor to Pyratone Products Corporation, Chicago, Ill. Shaft for golf clubs. 1,846,671; Feb. 23.
Barrett, Harold G., Wilmette, assignor to Pyratone Products Corporation, Chicago, Ill. Apparatus for tapering tubular shafts for golf clubs and the like. 1,871,490; Aug. 16.
Barrett, Harry B., Los Angeles, Calif. Brake relining machine. 1,852,109; Oct. 11.
Barrett, Herbert J. R., Los Angeles, Calif. Wall surface construction. 1,857,490; May 10.
Barrett, Joseph E., Company, The. (See McKenny, Charles A., assignor.)
Barrett, Joseph M., Fostoria, assignor to The Swartwout Company, Cleveland, Ohio. Method and apparatus for varying excess feed with pressure. 1,850,623; Mar. 22.
Barrett, Joseph R., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric generating and distributing system. 1,879,969; Sept. 27.
Barrett, Lawrence A., and J. P. Ferris, Milwaukee; said Ferris assignor to The Oilgear Company, Milwaukee, Wis. Pump rig. 1,890,244; Dec. 6.
Barrett, Walter A., Fort Wayne, Ind. Liquid temperature checking device. 1,861,292; May 31.
Barrett, Walter A., Fort Wayne, Ind. Pasteurizing apparatus. 1,878,364; Sept. 20.
Barringer, Elmer D., Cleveland, Ohio. Threshold. 1,849,979; Jan. 12.
Barringer, Elmer D., Cleveland, Ohio. Weather strip. 1,846,176; Feb. 23.
Barringer, Elmer D., Cleveland, Ohio. Window construction. 1,849,265; Mar. 15.
Barringer, Lorne M. (See Uhden, C. F., Schultheis, and Barringer.)
Barrington, Arthur H., et al. (See Foss, Leland L., assignor.)
Barroll, Henry, & Co. Inc. (See Barroll, Henry E., assignor.)
Barroll, Henry E., assignor to Henry Barroll & Co. Inc., Chicago, Ill. Container. 1,845,040; Feb. 16.
Barroll, Henry E., assignor to Henry Barroll & Co., Inc., Chicago, Ill. Pouring nozzle. 1,889,529; Nov. 29.
Barron Gray Packing Company. (See Gardner, George D., assignor.)
Barron, Joseph P., Knoxville, Pa. Combined traffic indicator and advertising device. 1,870,161; Aug. 2.
Barron, William L., Laurence Harbor, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bobbin-thread tension-device for sewing machines. 1,879,023; Sept. 27.
Barros, Ramón, Cordova, Argentina. Automatic filler. 1,891,038; Dec. 13.
Barrow, Charles J., Albany, N. Y. Cutting glass. 1,867,974; Nov. 15.
Barrow, George M. (See Miller, F. H., and Barrow.)
Barrow, George M., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connecter. 1,870,490; Aug. 9.
Barrow, George M., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Article of manufacture. 1,872,857; Aug. 16.
Barrowman, William L., and G. L. Hull, Albuquerque, N. Mex. Vehicle jack. 1,874,420; Aug. 30.
Barrows, Alford C., and G. W. Langford, assignors to Economy Baler Company, Ann Arbor, Mich. Baling press. 1,843,736; Feb. 2.
Barrows, Allan S., Los Angeles, Calif., assignor to The Youngstown Steel Door Co., Cleveland, Ohio. Car door. 1,851,693; Mar. 29.
Barrows, Allan S., Los Angeles, Calif., assignor to The Youngstown Steel Door Co., Cleveland, Ohio. Car door. 1,878,365; Sept. 20.
Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Railway truck. 1,842,307; Jan. 19.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,843,860; Feb. 2.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,845,220; Feb. 16.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,852,142; Apr. 5.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,852,143; Apr. 5.
Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Truck bolster. 1,852,393; Apr. 5.
Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Cushioning mechanism. 1,866,341; July 5.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,866,919; July 12.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,868,405; July 19.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,882,057; Oct. 11.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,882,058; Oct. 11.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,884,515; Oct. 25.

Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Cushioning mechanism. 1,884,516; Oct. 25.

Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Cushioning mechanism. 1,884,517; Oct. 25.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Retaining device. 1,884,519; Oct. 25.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Cushioning mechanism. 1,884,520; Oct. 25.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,884,521; Oct. 25.

Barrows, Donald S., and G. F. Couch, Rochester, assignors to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,884,518; Oct. 25.

Barrows, Earl M., Minneapolis, Minn. Vehicle. 1,895,795; Nov. 1.

Barrows, Grace A., administratrix. (See Barrows, R. Y., and Curtis.)

Barrows, Leon D., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Contact mechanism. 1,841,428; Jan. 19.

Barrows, Nesley E., Bangor, Me. Fireplace damper. 1,852,456; Apr. 5.

Barrows, Robert Y., deceased, Rutherford, by G. A. Barrows, East Orange, N. J., administratrix, and H. P. Curtis, Jardine, Mont. Phonograph. 1,865,550; July 5.

Barrows, Vern, and F. D. Marsh, Rochester, N. Y. Tire-rim tool. 1,847,164; Mar. 1.

Barry, Garrett J., Toledo, Ohio. Signal system. 1,868,489; July 26.

Barry, James J., Halifax, Nova Scotia, assignor to Maritime Fish Corporation Limited, Montreal, Quebec, Canada. Filleting machine. 1,845,645; Feb. 16.

Barry, James J., Dartmouth, Nova Scotia, assignor to Maritime Fish Corporation Limited, Montreal, Quebec, Canada. Apparatus for freezing foodstuffs. 1,855,467; Apr. 26.

Barry, Manley, Orono, Me. Gas economizer for internal combustion engines. 1,865,076; June 28.

Barry-Wehmiller Machinery Company. (See Schuchardt, W., and Herold, assignors.)

Barry William O., Columbus, Ohio. Glass tumbler. Des. 87,461; Aug. 2.

Barry, William W. Portland, Oreg. Dual control for aeroplanes. 1,845,953; Feb. 16.

Barsch, Wilhelm, Paris, France. Device for sharpening the blades of safety razors. 1,862,457; June 7.

Barsch, Wilhelm, assignor to Allegro Machine Co., Paris, France. Device for sharpening the blades of safety razors. 1,863,431; June 14.

Barsky, George, assignor to American Cyanamid Company, New York, N. Y. Making urea. 1,889,944; Dec. 6.

Barsky, George, New York, N. Y., and R. V. Heuser, Cranford, N. J., assignors to American Cyanamid Company, New York, N. Y. Making dithiophosphates. 1,889,943; Dec. 6.

Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Preparing anhydrous magnesium chloride from magnesium oxychloride cement mixtures. 1,865,228; June 28.

Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Contacting solid and gaseous materials. 1,852,227; Apr. 5.

Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Distilling hydrogen halides. 1,853,380; Apr. 12.

Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Synthesis of hydrochloric acid. 1,874,223; Aug. 30.

Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of hydrochloric acid. 1,874,692; Aug. 30.

Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Dehydrating magnesium chloride. 1,874,735; Aug. 30.

Barstow, Edwin O., and G. H. Dressel, assignors to The Dow Chemical Company, Midland, Mich. Gas purification. 1,876,551; Sept. 13.

Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Calcium-magnesium-chloride product and method of making same. 1,884,522; Oct. 25.

Barstow, John M., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Measuring apparatus. 1,862,458; June 7.

Bart, Blasius, East Orange, N. J., assignor to The Frink Corporation, Long Island City, N. Y. Depositing on chromium. 1,871,770; Aug. 16.

Bart, Blasius, East Orange, N. J., assignor to The Frink Corporation, Long Island City, N. Y. Method and apparatus for forming molds and articles produced thereby. 1,872,221; Aug. 16.

Bartel, Englebert A., assignor to P-W Device Corporation, Brooklyn, N. Y. Feed board for printing presses. 1,839,292; Jan. 5.

Bartel, Hans, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric condenser. 1,842,648; Jan. 26.

Bartel, Rudolph F., New York, N. Y. Buckle. 1,865,077; June 28.

Bartel, Rudolph F., New York, N. Y. Lacing tab. 1,889,550; Dec. 6.

Bartell, Ernest J., Canastota, assignor to General Cable Corporation, New York, N. Y. Capstan. 1,888,193; Nov. 15.

Bartelme, Ferdinand M., Glencoe, Ill. Transmission mechanism for motor vehicles. 1,864,522; June 28.

Bartelme, Ferdinand M., Chicago, Ill. Gear shifting mechanism. 1,871,771; Aug. 16.

Bartels, Carl. (See Bartels, Edwin J. and C.)

Bartels, Edwin J. and C., assignors to The Mosler Safe Company, Hamilton, Ohio. Constructing heavy metal objects. 1,848,599; Mar. 8.

Bartels, Henry, Chicago, Ill. Combined bed and mantle. 1,856,456; May 3.

Bartels, Henry, Chicago, Ill. Attaching tile facings to walls. 1,857,113; May 10.

Bartels, Reinhard B., Melrose, Mass. Shoe and shank stiffener therefor. 1,862,734; June 14.

Bartenfeld, Wilford G., Lorain, Ohio. Channel construction for bulkheads. 1,880,667; Oct. 4.

Barter, Franklin D., assignor to Purity Bakeries Service Corp., Chicago, Ill. Display stand. 1,899,625; Nov. 29.

Bartels Brothers Company, The. (See Lupton, Elmer H., assignor.)

Barth, Elmer J., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Shifting means for transmission mechanism. 1,861,776; June 7.

Barth, Herman, New York, N. Y. Electrical connecter and terminal. 1,856,020; Apr. 26.

Barthel, Erich H., Darby, Pa., assignor to Aircraft Control Corporation. Indicating apparatus. 1,891,134; Dec. 13.

Barthelemy, Henri L., Rome, Ga. Hollow artificial silk of low luster and preparing the same. 1,876,130; Sept. 6.

Barthélemy, Henri L., Milan, Italy. Manufacture of cellulose acetate. 1,880,067; Sept. 27.

Barthelemy, Henri L., Milan, Italy, assignor to Ruth Aldo Company, Inc., New York, N. Y. Treatment of cellulose acetate solution. 1,844,417; Feb. 9.

Barthelemy, Henri L., Arcelli Piemont, Italy, assignor to Ruth Aldo Company, Inc., New York, N. Y. Esterification of cellulose. 1,839,912; Jan. 5.

Barthelemy, Paul P., St. Paul, Minn., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,853,716; Apr. 12.

Barthelemy, Paul P., St. Paul, Minn., assignor to Universal Draft Gear Attachment Company. Car axle protector. 1,872,222; Aug. 16.

Barthelemy, René, Fontenay-aux-Roses, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, Seine, France. Television device. 1,854,682; Apr. 19.

Barthelmess, Emil, Duesseldorf-Oberkassel, assignor to Paul Rosin, Dresden, Germany. Pneumatic drying of materials. 1,866,744; July 12.

Barthels, Charles F., Menominee, Mich. Thermometer shaker. 1,839,944; Jan. 5.

Barthels Manufacturing Company. (See Buschhaus, Adolf, assignor.)

Barthelt, Hans, Berlin-Wilmersdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. High-tension switch plant. 1,843,659; Feb. 2.

Bartholomae, Barth E., and I. D. Kinley, Pittsburgh, Pa. Adjustable display shelf. 1,851,965; Apr. 5.

Bartholomay, Edward P., Rochester, N. Y. Gas meter. 1,851,326; Apr. 29.

Bartholomew, Charles H. (See Simpson, L. E., and Bartholomew.)

Bartholomew, Gilbert A., assignor to The Motor Saver Corporation, Cleveland, Ohio. Superheating humidifier for explosion engines. 1,850,998; Mar. 29.

Bartholomew, William F. (See McVey, E. E., and Bartholomew.)

Bartikoski, Wesley, Duluth, Minn. Clock. 1,891,967; Dec. 27.

Bartkus, John A., assignor to A. Teiszerski, Chicago, Ill. Vegetable cutter. 1,851,887; Mar. 29.

Bartky, Walter, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Ball. 1,890,566; Dec. 13.

Bartshangh, Benjamin C., Wheeling, W. Va. Gas burner. 1,874,691; Aug. 30.

Bartlett, C. O., and Snow Company, The. (See First, Mahlon E., assignor.)

Bartlett, C. O., & Snow Company, The. (See Snow, Karl F., assignor.)

Bartlett, Carleton T., Berkeley, Calif. Pack bag. 1,839,862; Jan. 5.
Bartlett, Carleton T., Berkeley, Calif. Carrier device. 1,847,425; Mar. 1.
Bartlett, Charles F., Havelock, Nebr. Wall cabinet table. 1,849,446; Mar. 15.
Bartlett-Collins Company. (See Evans, Charles M., assignor.)
Bartlett-Collins Company. (See Young, Carl R., assignor.)
Bartlett, Edwin S. (See Jeppsson, I., and Bartlett.)
Bartlett, Ernest, Calgary, Alberta, Canada. Bottle cleaner. 1,851,079; Mar. 29.
Bartlett Hayward Company, The. (See Genter, Albert L., assignor.)
Bartlett Hayward Company, The. (See Harper, Robert B., assignor.)
Bartlett Hayward Company, The. (See Meyer, Henry C. A., assignor.)
Bartlett Hayward Company, The. (See Santos, John R., assignor.)
Bartlett Hayward Company, The. (See Strobridge, William, assignor.)
Bartlett-Hayward Company, The. (See Thomas, Walter C. assignor.)
Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
Bartlett, James H., assignor of one-third to J. C. Hinkson, Chester, Pa. Apparatus for making cellulose xanthogenate. 1,848,095; Mar. 8.
Bartlett, Kent W., assignor to Jenkins Petroleum Process Company, Chicago, Ill. Treatment of hydrocarbon dephlegmation products. 1,832,269; Oct. 11.
Bartlett, Oscar L., Mound City, Ill. Setting up form for stayed containers. 1,861,293; May 31.
Bartlett, Oscar L., Mound City, Ill. Closure plug for rolls. 1,861,294; May 31.
Bartlett, William D. (See Kelleher, D., and Bartlett.)
Bartlett, William D., Cincinnati, Ohio. Coin controlled vending machine. 1,833,403; Oct. 11.
Bartlett, William D., and D. Kelleher, assignors to The Ross Manufacturing Company, Cleveland, Ohio. Abrasive wheel truing device. 1,849,344; Mar. 15.
Bartlett, William D., Cleveland, and D. Kelleher, Berea, assignors to The Ross Manufacturing Company, Cleveland, Ohio. Grinding wheel dresser tool. 1,852,639; Apr. 5.
Bartley, Charles B., Pittsburgh, Pa. Signaling mechanism. 1,850,130; Mar. 22.
Bartling, Friedrich, Hugding, Germany. Apparatus for separating flowing mediums. 1,865,425; July 5.
Bartling, Friedrich, Hugding, Germany. Conservation of unstable, hygroscopic or volatile granular masses. 1,869,235; July 26.
Bartling, Friedrich, Hugding, Germany. Ammonia-soda process for the production of sodium hydroxide, NaOH, with simultaneous production of ammonia. 1,877,489; Sept. 13.
Bartling, Friedrich, Munich, Germany. Rotary annular sole oven. 1,885,673; Nov. 1.
Barto, Edward R., assignor to K-D Manufacturing Company, Lancaster, Pa. Valve jack or prop. 1,879,024; Sept. 27.
Barton, Ben D., assignor to American Steam Pump Company, Battle Creek, Mich. Primer for pumps. 1,859,283; May 24.
Barton Corporation, The. (See Labisky, Arthur H., assignor.)
Barton, Roger, Chicago, Ill. Radiant heat apparatus. 1,891,039; Dec. 13.
Barton, Stephen, Astoria, N. Y. Rotary transmission or brake. 1,886,624; Nov. 8.
Bartosz, Joseph A., assignor of one-half to W. J. Braun and C. R. Braun, Salem, Oreg. Rake. 1,847,587; Mar. 1.
Bartsch, Beatrice F., Chicago, Ill. Return envelope and blank therefor. 1,883,475; Oct. 18.
Bartsch, Henry G. (See Fagel, C. J., and Kulick, assignors.)
Bartsch, Henry G., Washington, D. C. Radio antenna. 1,883,476; Oct. 18.
Bartunek, Richard. (See Stöckly, J. J., and Bartunek.)
Baruch, Herbert M., Los Angeles, Calif. Starting marker for phonograph records. 1,867,997; July 19.
Bärwold, Richard, Gera, Germany. Gas cooker. 1,855,124; Apr. 19.
Bar-Zinc Toy Manufacturing Co. Inc. (See Zimmerman, Harry, assignor.)
Bascle, Joseph A., Ponchatoula, La. Internal combustion engine. 1,879,025; Sept. 27.
Bascom, Calvin F., and C. Wolf, St. Louis, Mo. Coal drill. 1,846,177; Feb. 23.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone office alarm circuit. 1,860,007; May 24.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Relay. 1,868,559; July 26.
Bascom, Henry M., and S. F. Nelson, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Signaling arrangement for telephone systems. 1,844,027; Feb. 9.
Bäseler, Wolfgang, Munich, Germany. Car retarding apparatus. 1,846,830; Feb. 23.
Bäseler, Wolfgang, and U. Meyer, Berlin-Schoeneberg, Germany. Car retarding apparatus. 1,846,831; Feb. 23.
Bäseler, Wolfgäng, and F. Hofmann, Munich, Germany. Device for the optical transmission of signals. 1,851,236; Mar. 29.
Baseman, Ernest, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Dustproof bearing. 1,860,305; May 24.
Bash, Thomas B., Kansas City, Mo. Guy anchor. 1,883,477; Oct. 18.
Basham, James E., assignor of one-half to E. G. Matson, Denver, Colo. Weatherstrip. 1,879,026; Sept. 27.
Basharu, Samuel P., Houston, Tex. Float valve. 1,871,579; Aug. 16.
Bashford, Frederick G. C., Montreal, Quebec, assignor of one-half to W. P. McLaren, Montreal, Quebec, Canada. Humidified air supercheater for explosion engines. 1,848,455; Mar. 8.
Bashford, Raymond S., Philadelphia, Pa., assignor, by mesne assignments, to Atlas Powder Company. Low density explosive. 1,881,307; Oct. 4.
Bashioun, Jacob C., assignor to Uniflow Manufacturing Company, Erie, Pa. Switch. 1,878,456; Sept. 20.
Basic Dolomite, Incorporated. (See McCaughey, William J., assignor.)
Basil, Joseph, and C. Bongiorno, Detroit, Mich. Sound reproducing apparatus. 1,878,806; Sept. 20.
Basile, Joseph, New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Couch day bed. 1,848,688; Mar. 8.
Basile, Joseph, New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Couch day bed. 1,875,976; Sept. 6.
Baskerville, John E., assignor to The Impactograph Corporation, Roanoke, Va. Impact recorder. 1,846,985; Feb. 23.
Baskill, Inc. (See Morgan, Robert E., assignor.)
Basman, Joseph. (See Szakacs, Joseph, assignor.)
Basow, Hayman S., assignor to Rapidryer Manufacturing Company, Inc., Bryn Mawr, Pa. Drier for typewriting machines and the like. 1,842,775; Jan. 26.
Basquin, Olin H. (See Meyercord, G. R., and Basquin.)
Basquin, Olin H., assignor to G. R. Meyercord, Chicago, Ill. Cotton harvesting appliance. 1,885,405; Nov. 1.
Bass, Alfred. (See Helmut, O., Bass, and Meier.)
Bass, G. H., & Co. (See Gogin, Russell L., assignor.)
Bass, Olen E. (See Eagen, Joe, assignor.)
Bass, Shailer L. (See Britton, E. C., and Bass.)
Bass, Shailer L., and H. N. Fenn, assignor to The Dow Chemical Company, Midland, Mich. Phenylsalicylic acid and making same. 1,839,526; Jan. 5.
Basseches, Jacob T. (See Levin, Michael, assignor.)
Basseches, Jacob T. (See Ruiz, Vincent, assignor.)
Bassett, Charles K. (See Ryder, Earl R., assignor.)
Bassett, Cyrus W., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Door operating mechanism. 1,849,417; Mar. 15.
Bassett, Cyrus W., and I. Fear, Montclair, assignors to Elevator Supplies Company, Inc., Hoboken, N. J. System of control for elevators. 1,862,291; June 7.
Bassett, Gerald L., Toledo, Ohio, assignor to The Conklin Pen Company of Toledo, Ohio. Fountain pen desk set. 1,876,197; Sept. 6.
Bassett, Harry P., Cynthiana, Ky. Treating cellulose material. 1,842,649; Jan. 26.
Bassett, Harry P., Cynthiana, Ky. Preparation of cellulose solutions. 1,869,040; July 26.
Bassett, Harry P., Cynthiana, Ky. Purifying cellulose material. 1,883,478; Oct. 18.
Bassett, Harry P., Cynthiana, Ky. Recovery of tin. 1,890,859; Dec. 13.
Bassett, Harry P., Philadelphia, Pa. Oil cracking apparatus. 1,843,861; Feb. 2.
Bassett, Preston R. (See Mills, C. B., and Bassett.)
Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,855,277; Apr. 26.
Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,883,360; Nov. 22.
Bassett, Rudolph A., Los Angeles, Calif. Apparatus for treating and cleaning pile fabric materials. 1,880,668; Oct. 4.
Bassett, William H., Jr., Scarsdale, N. Y., assignor to The American Brass Company, Waterbury, Conn. Wrought metal article. 1,881,237; Oct. 4.
Bassett, William H., Jr., Scarsdale, N. Y., and R. H. Leach, Fairfield, Conn., assignors to Anaconda Wire & Cable Company, New York, N. Y. Alloy. 1,891,495; Dec. 20.
Bassi, Adolph G., Chicago, Ill. Ink well. 1,868,375; July 19.
Bassic Company, The. (See McArthur, Leslie, assignor.)
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bassick Company, The. (See Duffy, Tom I., assignor.)
Bassick Company, The. (See Herold, Walter F., assignor.)
Bassick Company, The. (See Moore, Raymond G., assignor.)
Bassick Company, The. (See Moore, R. G., and Claud-Mantle, assignors.)
Bassick Company, The. (See Wiley, William R., assignor.)

Bassler, Carlos J., assignor to American Liquid Meter Company, Alhambra, Calif. Displacement meter. 1,886,364; Nov. 8.

Bassler, Edwin M., assignor to D. J. Murray Manufacturing Company, Wausau, Wis. Heat transfer unit. 1,840,651; Jan. 12.

Bassler, Edwin M., assignor to D. J. Murray Manufacturing Company, Wausau, Wis. Ventilating apparatus. 1,860,068; May 24.

Bassler, Edwin M., Chicago, Ill., assignor to D. J. Murray Manufacturing Company, Wausau, Wis. Heat transfer apparatus. 1,860,125; May 24.

Bassler, Kurt, Berlin-Westend, Germany, assignor to General Electric Company. Bridge band for blade groups of turbine rotors. 1,842,957; Jan. 26.

Bassler, Kurt, Berlin-Westend, Germany, assignor to General Electric Company. Internal combustion engine. 1,845,901; Feb. 16.

Bassler, Kurt, Berlin-Westend, Germany, assignor to General Electric Company. Internal combustion engine and the like. 1,879,027; Sept. 27.

Basso, Luigi, Harrison, N. Y. Trap. 1,857,932; May 10.

Basson, Joseph A., Brooklyn, N. Y. Combined shutter and ventilator. 1,883,753; Oct. 18.

Bassow, S. H., et al. (See Dobbins, Timothy C., assignor.)

Bast, Frank J., and R. M. Wilhelm, assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Automatic controller. 1,852,301; Apr. 5.

Bastin, James O., Oak Park, Ill. Twin tire pressure control means. 1,870,484; Aug. 9.

Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)

Bastian-Blessing Company, The. (See Buttner, William C., assignor.)

Bastian-Blessing Company, The. (See Stein, Edward P., assignor.)

Bastian Brothers Company. (See Bott, Joseph, assignor.)

Bastian Brothers Company. (See Mitchel, Charles F., assignor.)

Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Two stage regulator. 1,842,236; Jan. 19.

Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Gas shut off device. 1,851,415; Mar. 29.

Bastian-Morley Company. (See Ginther, Howard E., assignor.)

Bastian-Morley Company. (See Lonergan, Simon J., assignor.)

Bastian-Morley Co. (See Lonergan, S. J., and Ginther, assignors.)

Bastian-Morley Company. (See Morley, James P., assignor.)

Bastian-Morley Co. (See Morley, J. P., and Lonergan, assignors.)

Baston, Cyril E., and R. C. Jones, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control apparatus. 1,880,669; Oct. 4.

Bastow, Harry, Pittsburgh, Pa. Display sign. 1,843,148; Feb. 2.

Bataille, Gerald S. (See McCord, D. C., and Bataille.)

Batchelder, Charles A., St. Albans, Me. Hosiery form. 1,864,788; June 28.

Batchelder, Fred S., North Cambridge, Mass. Apparatus for drying and stretching stockings. 1,887,255; Nov. 8.

Batchelder, James W., Brookline, Mass. Gearless speed change mechanism. 1,871,835; Aug. 16.

Batchell, George W., et al. (See Bulask, Francis J., assignor.)

Batchell, George W., Toledo, Ohio. Feeding molten glass. 1,863,095; June 14.

Batcheller, Hugh W., Worcester, Mass. Electric switch. 1,870,599; Aug. 9.

Batcheller, Hugh W., Worcester, Mass. Electric switch. 1,886,517; Nov. 8.

Batcheller, Hugh W., Worcester, Mass. Toggle switch. 1,888,444; Nov. 22.

Batcheller, Hugh W., Worcester, Mass. Toggle switch. 1,888,445; Nov. 22.

Batdorf, Charles S., Brooklyn, N. Y. Automatic telephone signal transmitting method and device. 1,891,633; Dec. 20.

Bate, John W., assignor to Walker Manufacturing Company, Racine, Wis. Balloon tire jack. 1,844,629; Feb. 9.

Bateholts, Clinton, assignor to Colasta Company, Inc., Hoosick Falls, N. Y. Moldable composition of matter and making the same. 1,853,332; Apr. 12

Bateman, Charles S., et al. (See Wagner, James S., assignor.)

Bateman, Errol I., Gulfport, Miss. Railroad crossing gate. 1,865,297; June 28.

Bateman, Fred H., Grenloch, N. J., and I. Trolley, York, assignors to Fred H. Bateman Company, Philadelphia, Pa. Power sprayer. 1,883,479; Oct. 18.

Bateman, Fred H., Company. (See Bateman, F. H., and Trolley, assignors.)

Bateman, Frederick H., Grenloch, N. J. Fertilizer-disseminating device. 1,847,327; Mar. 1.

Bateman, Ralph C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making tire molds. 1,866,790; July 12.

Bateman, Ralph C., assignor to The Goodrear Tire and Rubber Company, Akron, Ohio. Mold cleaning solution. 1,875,552; Sept. 6.

Bateman, Talbot O., Dallas, Tex. Variable electric contact for advertising purposes. 1,841,080; Jan. 12.

Baten, Gordon D. (See Hamm, Hugh J., assignor.)

Baten, William L., and J. B. Bevill, Haynesville, La. Safety valve. 1,839,730; Jan. 5.

Bates, Albert H., Rockford, Ill. Hydrocarbon burner. 1,839,527; Jan. 5.

Bates, Albert H., Rockford, Ill., assignor to Burd High Compression Ring Company. Heater. 1,853,331; Apr. 12.

Bates, Albert H., assignor to Burd High Compression Ring Company, Rockford, Ill. Heater for motor vehicles. 1,853,333; Apr. 12.

Bates, Albert H., assignor to Burd High Compression Ring Company, Rockford, Ill. Automotive heating system. 1,881,068; Oct. 4.

Bates, Albert H., Shaker Heights, and R. H. McBean, Berea, Ohio, assignors to Motor Terminals Company, Wilmington, Del. Controller for locks of demountable confiners. 1,887,709; Nov. 15.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for use in covering heels. 1,897,177; May 10.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on stitchdown shoes. 1,861,653; June 7.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,864,629; June 28.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 1,864,630; June 28.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,866,245; July 5.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for forming heel seats of shoes. 1,889,234; Nov. 29.

Bates, Charles F. W., Cleveland, Ohio. Electric tube. 1,841,427; Jan. 19.

Bates, Charles J., Jr., Englewood, N. J., assignor to The Mosler Safe Company, Hamilton, Ohio. Fireproof joint construction. 1,868,485; July 26.

Bates, Dory R. (See Moeller, B. J., and Bates.)

Bates, E. V., Machine Company. (See Bates, Eddo V., assignor.)

Bates, Eddo V., assignor to E. V. Bates Machine Company, Lowell, Mass. Set of cards with flat wire tummer. 1,880,670; Oct. 4.

Bates, Harry R., Atlanta, Ga., assignor to International Agricultural Corporation. Process for producing fertilizing material. 1,872,024; Aug. 16.

Bates, Lawrence G., Cleveland, Ohio. Key holder. 1,859,276; May 24.

Bates, Lloyd G., West Hartford, Conn., and F. E. Haskell, Holyoke, Mass., assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 1,853,842; Apr. 12.

Bates, Lloyd G., West Hartford, Conn., and F. E. Haskell, Holyoke, Mass., assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 1,853,843; Apr. 12.

Bates Manufacturing Company, The. (See Hinman, George L., assignor.)

Bates, Mortimer F., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Constant speed device. 1,875,678; Feb. 23.

Bates, Mortimer F., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Directional gyroscope. 1,851,536; Mar. 29.

Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bomb sight alignment and rudder control. 1,880,671; Oct. 4.

Bates, Phillo D., and M. C. Hutto, assignors to Hutto Engineering Company, Inc., Detroit, Mich. Abrasive mounting for grinding devices. 1,874,855; Aug. 30.

Bates, Sidney E., assignor to Maintenance Equipment Company, Chicago, Ill. Lubricating device. 1,839,190; Jan. 5.

Bates, Sidney E., and E. Overmier, assignors to Maintenance Equipment Company, Chicago, Ill. Wheel flange oiler. 1,880,672; Oct. 4.

Bates, Walter A., assignor to Gary Structural Steel Company, Gary, Ind. Grating turning machine. 1,860,980; May 31.

Bates, William E. P., Orlando, Fla. Basket. 1,885,104; Nov. 1.

Bath, John. (See Allison, Harvey M., assignor.)

Bath, John. (See Allison, H. M., and Walker, assignors.)

Bath, John. (See Bath, Stanley W., assignor.)

Bath, John. (See Bath, S. W., and Allison, assignors.)

Bath, John. (See Walker, Ernest A., assignor.)

Bath, John, Worcester, Mass. Apparatus for grinding threaded work. 1,842,650; Jan. 26.

Bath, John, Worcester, Mass. Worktable for grinding machines. 1,880,673; Oct. 4.

Bath, Stanley W., assignor to John Bath, Worcester, Mass. Truing mechanism for grinding machines. 1,873,530; Aug. 23.

Bath, Stanley W., Shrewsbury, assignor to John Bath, Worcester, Mass. Head-stock for machine tools. 1,891,220; Dec. 20.

Bath, Stanley W., and H. M. Allison, assignors to J. Bath, Worcester, Mass. Grinding machine. 1,842,651; Jan. 26.

Bathrick, Charles E., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Feeding fuel to an internal combustion engine. 1,856,066; May 3.

Bathrick, Walter H., Boston, Mass. Electric cooking device. 1,855,507; Apr. 26.

Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Balanced vehicle wheel. 1,842,141; Jan. 19.

Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming wheel hubs. 1,853,952; Apr. 12.

Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for advancing articles through a furnace. 1,868,790; July 26.

Batina, Charles C., Chicago, Ill. Latch. 1,864,177; June 21.

Batke, Richard, Berlin-Weissensee, Germany. Card file. 1,852,872; Apr. 5.

Batkin, Herbert W., et al. (See Wilson, John, assignor.)

Batsel, Max C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. 1,865,426; July 5.

Batt, Jacob G., New York, N. Y., assignor to The American Aquadrine Co., Melrose, Conn. Water craft. 1,888,311; Nov. 15.

Battelger, Joseph H. (See Hunt, H. M., and Battelger.)

Batterman, Herman, Chicago, Ill., assignor of one-half to A. H. Hunt. Preparation of bentonite compositions. 1,873,262; Aug. 23.

Battey, Bryan M., et al. (See Ludlow, Israel, assignor.)

Battey, William C., Haverford, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Coal breaker. 1,855,379; Apr. 26.

Battey, William C., Haverford, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Crushing machinery. 1,884,523; Oct. 25.

Battisto, John C., Manistee, Mich. Clothespin. 1,848,512; Mar. 8.

Battin, Cora B., New York, N. Y., assignor to G. F. Bradford and Rodridge, N. J. Garment supporter. 1,889,768; Dec. 6.

Battin, Harold T., Ridgewood, N. J., assignor to Morgan & Wright, Detroit, Mich. Endless mandrel. 1,871,296; Aug. 9.

Battin, William I. (See Rusby, J. M., and Battin.)

Battistini, Alfonso, Baltimore, assignor to Sanitation Holding Corporation, New York, N. Y. Removing rust, scale, and sediment from the interior of metal surfaces. 1,892,039; Dec. 27.

Battle Creek Bread Wrapping Machine Co. (See Littlefield, Carl, assignor.)

Battle, John B., Ardmore, Pa., assignor to Gun-Fil Corporation, Lubricator. 1,891,632; Dec. 20.

Batts, John T., Pasadena, Calif. Automobile. Des. 87,954; Oct. 18.

Batty, Bernard R., Indianapolis, Ind., assignor to E. M. Hicks, Lebanon, Ind. Speed boat construction. 1,858,030; May 10.

Batz, George C., Topeka, Kans. Spacing tool for helical springs. 1,844,306; Feb. 9.

Bauch, William H., Shelbyville, assignor to Indiana Foundry, Machine & Supply Company, Brazil, Ind. Machine tool. 1,860,700; May 31.

Bauchman, Remsen C., Woodcliff Lake, N. J. Transmission gear shifting mechanism. 1,873,991; Aug. 30.

Baudry, René A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Mfg. Company. Thrust bearing. 1,870,830; Aug. 9.

Baudry, René A. M., Wilkinsburg, and C. J. Fechheimer, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. 1,847,207; Mar. 1.

Bauer, Bruno, Vienna, Austria. Ventilation and construction of dye works. 1,866,875; July 12.

Bauer, Bruno, Vienna, Austria. Concrete-and-iron multiple-floored building. 1,874,157; Aug. 30.

Bauer, Carl H. Schafer, trustee in bankruptcy, assignor to M. Zimmermann, Leipzig, Germany. Pasting machine. 1,854,878; Apr. 19.

Bauer, Conrad Mount Oliver, Pa. Flexible blind structure. 1,852,941; Apr. 5.

Bauer, Edward G., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Can feeding apparatus. 1,869,653; Aug. 2.

Bauer, Frank, Ewing, Nebr. Cattle guard. 1,860,571; May 31.

Bauer, Fred C., Irvington, N. J. Fountain. 1,888,784; Nov. 22.

Bauer, Gustav, Hamburg, Germany. Scavenging mechanism for two-cycle engines. 1,880,674; Oct. 4.

Bauer, Gustav, Hamburg, assignor to Deutsche Schiff- und Maschinenbau Aktiengeselischaft, Bremen, Germany. Turbine installation. 1,868,131; July 19.

Bauer, Gustav, and W. Brose, Hamburg, Germany. Hydraulic power transmitter. 1,860,701; May 31.

Bauer, Gustav, Hamburg, and J. N. Klep, Altona, Germany. Hydraulic gear and coupling. 1,868,120; July 19.

Bauer, Gustav, and W. Brose, Hamburg, Germany. Control device for engines and rotors driven thereby. 1,868,130; July 19.

Bauer, Gustav F. C., Tonawanda, assignor to National Police Signal Company, Buffalo, N. Y. Sound reproducing apparatus. 1,871,253; Aug. 9.

Bauer Ignition Company, The. (See Herbster, George, assignor.)

Bauer, Imre, Nagykoni, Hungary, assignor to Steven Kranitcz, Brantford, Ontario, Canada. Automatic railroad gate. 1,842,928; Jan. 26.

Bauer, Jacob L., Wauwatosa, assignor of fifteen per cent to A. Raasch, Milwaukee, and twenty-five per cent to L. Reunzel, Wauwatosa, Wis. Float valve. 1,883,480; Oct. 18.

Bauer, John A., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,883,845; Oct. 18.

Bauer, Jordan, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Self-igniting explosion motor. 1,851,418; Mar. 29.

Bauer, Joseph, Cincinnati, Ohio. Bonding stellite to bronze or brass. 1,848,408; Mar. 8.

Bauer, Karl, Berlin-Germany, Girder. 1,855,902; Apr. 26.

Bauer, Walter, assignor to Libby, McNeil & Libby, Chicago, Ill. Meat stuffing machine. 1,860,220; May 24.

Bauer, Walter, assignor to Rohm & Haas Aktiengesellschaft, Darmstadt, Germany. Producing acrylic acid esters. 1,864,884; June 28.

Bauer, Walter, assignor to Rohm & Haas Aktiengesellschaft, Darmstadt, Germany. Producing acrylic acid esters. 1,890,277; Dec. 6.

Bauer, Wilhelm. (See Wieners, F., and Bauer.)

Bauer, Wilhelm, J. Haller, and L. Zei, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New water soluble sulfuric acid esters of leuco derivatives of indigoid vat dyestuffs. 1,879,028; Sept. 27.

Bauer, Wilhelm, and J. Haller, Leverkusen-Wiesdorf, and G. Rösch, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the thionaphthene-indigoid series. 1,890,718; Dec. 13.

Bauermeister, Wilhelm, Brunswick, Germany. Rotary shutter for Röntgen apparatus. 1,890,360; Dec. 6.

Bauersfeld, Walther, assignor to Firm Carl Zeiss, Jena, Germany. Coordinate transformer. 1,864,576; June 28.

Bauersfeld, Walther, Jena, and H. Küppenbender, Dresden, assignors to Firm Carl Zeiss, Jena, Germany. Instrument for observing stereoscopical images. 1,843,439; Feb. 2.

Baughan, Phoebe C., Chamblee, Ga. Ratchet operator for copyholders. 1,849,971; Mar. 15.

Baughman, Edson C., Kansas City, Mo. Ice cream dipper. 1,842,709; Jan. 26.

Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling trains. 1,861,077; May 31.

Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Ascertaining the integrity of two line conductors. 1,864,749; June 28.

Baughman, George W., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling system. 1,867,724; July 19.

Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Supplying current to track sections. 1,868,000; July 26.

Baughman, George W., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,888,845; Nov. 22.

Baughman, Leonidas H., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Wire bound packing box. 1,880,396; Oct. 4.

Baum, Charles, assignor to E. Pueter & Co., Irvington, N. J. Bag lock. 1,849,606; Mar. 15.

Baum, Charles, assignor to E. Pueter & Co., Irvington, N. J. Bag lock. 1,883,481; Oct. 18.

Baum, Clifford E., Sycamore, Ohio. Advertising sign for fences. 1,845,022; Feb. 16.

Baum, Erich. (See Herrmann, W. O., and Baum.)

Baum, Frank G., Cassel, Calif. Cooling electric apparatus. 1,865,499; July 5.

Baum, Gustav, Weissenstein-on-the-Drau, Austria, assignor to The Niagara Electro Chemical Company, Inc., New York, N. Y. Making hydrogen peroxide. 1,854,327; Apr. 19.

Baum, Harry, New York, N. Y., assignor to Polymet Manufacturing Corporation. Electrical apparatus and making the same. 1,841,930; Jan. 19.

Baum, Howard C. (See Bausman, A. L., and Baum.)

Baum, Howard C., Mount Vernon, N. Y., assignor to National Equipment Company, Springfield, Mass. Confection making apparatus. 1,839,731; Jan. 5.

Baum, Howard W., Kearny, N. J. Transmission mechanism for hoisting apparatus. 1,839,368; Jan. 5.

Baum, Isaac A., Chicago, Ill. Window sill. 1,842,956; Jan. 26.

Baum, Isaac A., Chicago, Ill. Metal buck and jamb for all plaster walls. 1,848,287; Mar. 8.

Baum, Isaac A., Chicago, Ill. Metal buck and wood frame. 1,852,731; Apr. 5.

Baum, Isaac A., Chicago, Ill. Metal jamb for unplastered walls. 1,856,150; May 3.

Baum, Isaac A., Chicago, Ill. Doorstop. 1,864,577 ; June 28.

Baum, Isaac A., Chicago, Ill. Molding for metal frames. 1,878,807 ; Sept. 20.

Baum, Leo, Estate, The. (See Kessler, Frank, assignor.)

Baum, Lorin D. (See Watkins, T., and Baum.)

Bauman, Joseph J., Chicago, Ill. Closure check. 1,851,344 ; Mar. 29.

Bauman, Walter R. (See Bacher, R. L., and Bauman.)

Baumann, William T., assignor to Universal Form Clamp Co., Chicago, Ill. Bar support and spacer. 1,841,699 ; Jan. 19.

Baumann, William T., assignor to Universal Form Clamp Co., Chicago, Ill. High-chair for concrete reinforcing systems. 1,841,700 ; Jan. 19.

Baumann, Adolf, Wettingen, Switzerland. Refrigerating system. 1,889,191 ; Nov. 29.

Baumann, Adolf, and C. P. Horlacher, St. Louis, Mo., assignor, by mesne assignments, to The American Exchange National Bank of St. Louis. Driving mechanism for calculating machines. 1,863,646 ; June 21.

Baumann, Adolf, and C. P. Horlacher, St. Louis, Mo., assignors, by mesne assignments, to The American Exchange National Bank of St. Louis. Calculating machine. 1,886,148 ; Nov. 1.

Baumann, Fritz. (See Bruns, H., Baumann, and Kugel.)

Baumann, Fritz. (See Gassner, S., and Baumann.)

Baumann, Fritz, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone acridone series. 1,840,383 ; Jan. 12.

Baumann, Fritz, Leverkusen-on-the-Rhine, assignor to General Aniline Works, Inc., New York, N. Y. Aluminum lakes of 1.4-dihydroxy-and 1-amino-4- hydroxy-anthraquinone-disulphonic acids. 1,868,593 ; July 26.

Baumann, Fritz, Leverkusen-on-the-Rhine, H. Friedrich and L. Zeh, Wiesdorf-on-the-Rhine, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxyalkylamino-anthraquinones and their o-sulphonic acids. 1,843,312 ; Feb. 2.

Baumann, Fritz, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New derivatives of 1.2.7.8 - diphthaloylcarbazole. 1,885,172 ; Nov. 1.

Baumann, John F., North Bergen, N. J. Combined screen and awning. 1,837,765 ; Aug. 18.

Baumann, Karl, Urmston, England. Evaporator for generating high pressure steam. 1,869,236 ; July 26.

Baumann, Karl, Urmston, England. Steam generator. 1,877,919 ; Sept. 20.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,852,040 ; Apr. 5.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Power plant. 1,856,634 ; May 3.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. System of reheating in a power plant. 1,889,307 ; Nov. 29.

Baumann, Karl, Urmston, and J. E. Jolley, Stretford, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Fluid pressure governing mechanism. 1,887,536 ; Nov. 15.

Baumbach, Emil J., Chicago, Ill. Packing die sets. 1,863,894 ; June 21.

Baumbach, Friedrich, assignor to Zellstoff Fabrik Waldhof, Mannheim-Waldhof, Germany. Bark peeling machine. 1,854,920 ; Apr. 19.

Baumberger, Ernst, and E. Heusser, assignors to Fabrik Electrischer Apparate Sprecher & Schuh, Aktien-Gesellschaft, Aarau, Switzerland. Time limit relay. 1,891,135 ; Dec. 13.

Baumberger, William J. (See York, H. H., and Baumberger.)

Baumé, Edwall J., Santa Monica, Calif. Lock. 1,880,675 ; Oct. 4.

Baumgard, George, Carlstadt, N. J., assignor to Eagle Pencil Company, New York, N. Y. Pencil display carton. 1,879,029 ; Sept. 27.

Baumgardner, Versal F., Celina, Ohio. Wheeled machine. 1,854,571 ; Apr. 19.

Baumgardner, Versal F., Celina, Ohio. Spreading machine. 1,885,319 ; Nov. 1.

Baumgartner, Floyd, Cedar Rapids, Iowa. Mechanical teeing device. 1,888,256 ; Nov. 22.

Baumgartner, Fred, Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Safety device. 1,870,217 ; Aug. 9.

Baumgartner, Godfrey, Astoria, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic controlling apparatus. 1,858,874 ; May 17.

Baumgartner, Henry H., Belleville, N. J., assignor to Drake Non-Clinkering Furnace Block Company, Inc., New York, N. Y. Furnace. 1,884,524 ; Oct. 25.

Baumheckel, William M., Connersville, Ind., assignor to B B B Corporation, Detroit, Mich. Water pump packing. 1,889,397 ; Nov. 29.

Baumhüter, Peter, Batenhorst, near Wiedenbruck, Germany. Protecting envelope for balls of string for binding sheaves. 1,889,011 ; Nov. 29.

Baumler, Jacob J., Minneapolis, Minn. Oil retainer for steering gears. 1,880,659 ; Oct. 4.

Baur, Ottmar, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Injection nozzle for internal combustion engines. 1,862,459 ; June 7.

Baur, Ottmar, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Oil pump. 1,871,872 ; Aug. 16.

Baur, Ottmar, assignor to Robert Bosch, Aktiengesellschaft, Stuttgart, Germany. Spring loaded valve. 1,883,866 ; Oct. 25.

Bauriedel, Gotthard, and A. Hartmann, Barmen, Germany, assignors to the Firm American Bemberg Corporation, New York, N. Y. Machine for spinning artificial silk. 1,880,068 ; Sept. 27.

Baurmann, Fred W., Cartagena, Colombia. Expansion joint for well liners. 1,846,539 ; Feb. 23.

Bausch, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric switch. 1,853,251 ; Apr. 12.

Bausch, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Journal bearing. 1,880,660 ; Oct. 4.

Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and making same. 1,878,366 ; Sept. 20.

Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Telescopic goggles. 1,892,444 ; Dec. 27.

Bausch, Ewald, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanisms. 1,845,033 ; Feb. 16.

Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)

Bausch & Lomb Optical Company. (See Bausch, William, assignor.)

Bausch & Lomb Optical Company. (See Bausch, W., and Powell, assignors.)

Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)

Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)

Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)

Bausch & Lomb Optical Company. (See Hommel, George L., assignor.)

Bausch & Lomb Optical Company. (See McCabe, Joseph J., assignor.)

Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)

Bausch & Lomb Optical Company. (See Poser, Max, assignor.)

Bausch & Lomb Optical Company. (See Rayton, Wilbur B., assignor.)

Bausch & Lomb Optical Company. (See Sabel, John C., assignor.)

Bausch & Lomb Optical Co. (See Schnabl, Franz, assignor.)

Bausch & Lomb Optical Company. (See Swan, Birger E., assignor.)

Bausch & Lomb Optical Company. (See Teague, Walter D., assignor.)

Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)

Bausch, Viktor, and K. Frenzel, Berlin, Germany. Transparent foils of paper, fabric, webs, and the like. 1,856,067 ; May 3.

Bausch, Viktor, Berlin, and A. Schroth, Mecklenburg-Schwerin, assignors to Felix Schoeller & Bausch, Neu-Kaliss/Mecklenburg, Germany. Production of papers for security purposes. 1,864,116 ; June 21.

Bausch, William, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Rear vision mirror. 1,869,456 ; Aug. 2.

Bausch, William, and J. R. Powell, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for fusing multifocal lenses. 1,889,769 ; Dec. 6.

Bauschlicher, August, Pankow, near Berlin, Germany, assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar machine. 1,880,009 ; Sept. 27.

Baush Machine Tool Company. (See Reynolds, George D., assignor.)

Bausher, Jeremiah L., assignor to Infant Socks, Inc., Reading, Pa. Stocking. 1,873,811 ; Aug. 23.

Bausman, Alonzo L., Springfield, Mass. Timing device for laundry machines. 1,851,484 ; Mar. 29.

Bausman, Alonzo L., Springfield, and E. D. Rapisarda, Agawam, assignors to National Equipment Company, Springfield, Mass. Forging machine. 1,874,158 ; Aug. 30.

Bausman, Alonzo L., Springfield, Mass., and H. C. Baum, Mount Vernon, N. Y., assignors to National Equipment Company, Springfield, Mass. Confection making apparatus. 1,883,482 ; Oct. 18.

Baustoff, Picklin G. m. b. H. (See Pick, Ernst, assignor.)

Bautista, Leopoldo L., Chicago, Ill. Safety pin. 1,884,525 ; Oct. 25.

Baverey, François, assignor to Etablissements Lyonnais Rochet-Schneider, Lyon, France. Internal combustion engine feeding arrangement. 1,890,567 ; Dec. 13.

Bawden William E., Long Beach, Calif. Pillow. 1,876,591 ; Sept. 13.

Baxter, Burke M., Grand Rapids, Mich. Paper pulp beating machine. 1,878,661 ; Sept. 20.

Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Oil immersed current distributing panel. 1,851,890; Mar. 29.
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Distributing panel. 1,868,122; July 19.
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Oil-immersed distributing panel. 1,889,203; Nov. 29.
Baxter, Harold G., Baldwin, N. Y., and G. G. Shannonhouse, Wilmington, Del., assignors to Westinghouse Electric & Manufacturing Company. Oil immersed power panel. 1,871,651; Aug. 16.
Baxter, James. (See Tivendale, W., and Baxter, J.)
Baxter, Jesse B. Tool design. Liquor to Covert Manufacturing Company, Watervliet, N. Y. Snap hook. 1,847,165; Mar. 1.
Baxter, John B., Troy, assignor to Covert Manufacturing Company, Watervliet, N. Y. Snap hook. 1,847,166; Mar. 1.
Baxter, John B., Troy, assignor to Covert Manufacturing Company, Watervliet, N. Y. Snap hook. 1,847,206; Mar. 1.
Baxter, John B., Troy, assignor to Covert Manufacturing Company, Watervliet, N. Y. Snap hook. 1,852,689; Apr. 5.
Baxter, William C., assignor to Trimble Nursery and Furniture, Inc., Rochester, N. Y. Folding structure. 1,854,096; Apr. 12.
Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon end portions of shoes. 1,861,832; June 7.
Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole slashing machine. 1,864,011; June 28.
Bay, Albert M., De Soto, Mo. Adjustable delivery box. 1,858,179; May 10.
Bay-Caram Co. (See Dyer, James E., assignor.)
Bay, Carl O., et al. (See Anderson, Christ, assignor.)
Bay, Frank N. (See Appleman, W. O., and Bay.)
Bayan, Lawrence M., Edgewood, R. I. Smoker's package. 1,862,333; June 7.
Bayer, A. J., Company. (See Hutter, John, assignor.)
Bayer, Joseph V., Floresville, Tex. Fog penetrating television. 1,876,272; Sept. 6.
Bayer, Matthew F., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead construction. 1,849,930; Mar. 15.
Bayer, Matthew F., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding bed or like structure. 1,850,967; Apr. 26.
Bayer, Otto. (See Kalischer, G., Ritter, Scheyer, and Bayer.)
Bayer, Otto, Frankfort-on-the-Main, Germany, assignor to General Aniline Works Inc., New York, N. Y. Sulphur vat dyestuffs. 1,845,390; Feb. 16.
Bayer, Otto, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Ketones of the anthraquinone series and making same. 1,877,790; Sept. 20.
Bayer, Otto, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series. 1,877,791; Sept. 20.
Bayer, Otto, Frankfort-on-the-Main, W. Hohenemser, Frankfort-on-the-Main-Fechenheim, and K. Larbig, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New sulphur-dyestuffs and a process of preparing them. 1,886,365; Nov. 8.
Bayer, William J. (See Sweet, C. C., and Bayer.)
Bayerische Stickstoffwerke A.-G. (See Ipatiew, Wladimir N., assignor.)
Bayerl, Alfons. (See Heimann, H., Opfermann, Petersen, and Bayerl.)
Bayerl, Alfons. (See Heimann, H., Petersen, Bayerl, and Seefried.)
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Control valve. 1,846,832; Feb. 23.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for rock drills. 1,865,609; July 5.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cleansing fluid conveying tube. 1,868,684; July 26.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device for rock drills. 1,868,685; July 26.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill column. 1,879,030; Sept. 27.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Percussion tool. 1,881,258; Oct. 4.
Bayless, Jess K. (See Widders, O. and Bayless.)
Bayley, Elden. (See Bayley, W. D. and E.)
Bayley, Guy L., assignor to Bevel Gear Grinding Company, Detroit, Mich. Machine for generating curved gear teeth. 1,855,662; Apr. 26.
Bayley, Richard W., Elyria, Ohio. Valve seater. 1,851,971; Apr. 5.
Bayley & Sons, Inc. (See Andrews, William F., assignor.)
Bayley, William D., Springfield, Ohio. Farrowing house. 1,858,699; May 17.
Bayley, William D., Springfield, Ohio. Farrowing house. 1,879,781; Sept. 27.
Bayley, William D. and E., Springfield, Ohio. Sheet metal house. 1,848,690; Mar. 8.
Baylis, Albert W., Scarsdale, N. Y. Terry cloth products. 1,847,807; Mar. 1.
Baylis, Daniel L. (See Angelus, L., and Baylis.)
Baylis, Robert N., Caldwell, assignor to Smoksador Manufacturing Co., Inc., Bloomfield, N. J. Smoker's stand. Des. 88,619; Dec. 13.
Baylis, Walter S. (See Kelley, William, assignor.)
Baylis, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Filtrol Company of California. Treating petroleum oil. 1,849,653; Mar. 15.
Baylis, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Filtrol Company of California. Reclaiming used lubricating oils. 1,849,654; Mar. 15.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Treatment of lubricating oils with an activated clay and water. 1,866,590; July 12.
Baylis, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Filtrol Company of California. Making a superior oil. 1,866,591; July 12.
Baylis, Walter S., and C. Tietig, assignors to Filtrol Company of California, Los Angeles, Calif. Fat-splitting adsorbent and making same. 1,849,655; Mar. 15.
Baynard, William H., Boston, assignor to H. H. Beckwith, Brookline, Mass. Molding mechanism. 1,850,999; Mar. 29.
Baynard, William H., Boston, assignor to H. H. Beckwith, Brookline, Mass. Counter heater. 1,870,666; Aug. 9.
Baynard, William H., Boston, and H. G. McMurray, Wakefield, assignors to Beckwith Manufacturing Company, Boston, Mass. Safety box toe and protector. 1,872,025; Aug. 16.
Baynes, Edward C., Birmingham, Mich. Making bolt holding devices. 1,876,386; Sept. 6.
Bayrer, Orson D., assignor to Travelers Insurance Company, Hartford, Conn. Safety guard for plunger machines. 1,843,077; Jan. 26.
Bayrer, Orson D., assignor to The Travelers Insurance Company, Hartford, Conn. Safety device for printing presses. 1,871,772; Aug. 16.
Bay State Fishing Company. (See Malcolm, John C., assignor.)
Bay State Optical Company. (See Nerney, George E., assignor.)
Bay State Tool & Machine Co. (See Gaudreau, Charles D., assignor.)
Bayuk Cigars Incorporated. (See Touton, Rush D., assignor.)
Bazeley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,848,689; Mar. 8.
Bazylewicz-Kniazykowski, Eugeniusz, and K. Partyka, Sochaczew, Poland. Producing smokeless gunpowder. 1,889,462; Nov. 29.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Covered heel and making same. 1,847,290; Mar. 1.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel cover trimming machine. 1,850,645; May 31.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and heel covering and uniting the same. 1,862,878; June 14.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 1,864,791; June 28.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for grooving heels. 1,871,373; Aug. 16.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in covering heels. 1,871,374; Aug. 16.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heels. 1,872,385; Aug. 16.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel grooving machine. 1,874,421; Aug. 30.
Beach and Arthur, Incorporated. (See Ristow, Caro, assignor.)
Beach, Benjamin B., Battle Creek, Mich. Turn and stop signal. 1,848,927; Mar. 8.
Beach, Chester H., assignor, by mesne assignment, to S. C. Johnson & Son, Racine, Wis. Floor polishing machine. 1,849,218; Mar. 15.
Beach, Chester H., Racine, Wis., assignor to The Dumore Company, Electric grinder. 1,859,068; May 17.
Beach, Chester H., assignor, by mesne assignments, to S. C. Johnson & Son, Racine, Wis. Floor polishing machine. 1,882,270; Oct. 11.
Beach, Chester H., assignor, by mesne assignments, to S. C. Johnson & Son, Racine, Wis. Floor polishing machine. 1,882,471; Oct. 11.
Beach, H. D., Company, The. (See Gibson, Francis W., assignor.)

Beach, Harry L., Coshocton, Ohio. Display rack. 1,865,298; June 28.
Beach, Henry L., New York, N. Y. Coaster. 1,891,077; Dec. 13.
Beach, Letcher L., and C. G. Wright, Cambridge, Ohio, assignors to American Sheet and Tin Plate Company. Sheet handling apparatus. 1,868,560; July 26.
Beach, Ralph A., Butler, Pa. Valve structure. 1,848,691; Mar. 8.
Beach, Richard W., Noblesville, Ind. Paper napkin or similar article. Des. 87,190; June 21.
Beach, Richard W., Noblesville, Ind. Paper napkin or similar article. Des. 87,191; June 21.
Beach, W. B., jr., assignor to L. W. Alexander, Wichita Falls, Tex. Cleaner. 1,861,899; June 7.
Beach, Winifred W., New York, N. Y. Hat. 1,840,557; Jan. 12.
Beacham, Edwin B., Easton, Pa. Hosiery. 1,849,783; Mar. 15.
Beacham, Thomas E. (See Garland, C. S., Beacham, and Pickard.)
Beacham, Thomas E. (See Hele-Shaw, H. S., Beacham, and Mills.)
Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
Bead Chain Manufacturing Company, The. (See Nelson, Ole G., assignor.)
Beadle, Eugene E., Waterbury, Conn. Sack holder. 1,868,269; July 19.
Beadle, John J., Corydon, Iowa. Closure fastener. 1,871,180; Aug. 16.
Beadle, Lynn C., assignor, by mesne assignments, to Timken Silent Automatic Company, Detroit, Mich. Draft stabilizer. 1,868,486; July 26.
Beadle, Lynn C., assignor, by mesne assignments, to Timken Silent Automatic Company, Detroit, Mich. Liquid fuel burner. 1,885,674; Nov. 1.
Beadle, Lynn C., N. Sutherlin, and J. A. Wilson, assignors, by mesne assignments, to Timken Silent Automatic Company, Detroit, Mich. Gas ignition means for liquid fuel burners. 1,864,515; June 28.
Beal, Carl H., San Mateo, and C. E. Miller, San Francisco, Calif., assignors, by mesne assignments, to Western Company. Determining the location of substances having a different electrical conductivity from surrounding media. 1,839,732; Jan. 5.
Beal, Gail L. (See Sheppard, Samuel E., and Beal.)
Beal, Fay, assignor to Kingston Products Corporation, Kokomo, Ind. Doorlock. 1,845,646; Feb. 16.
Beal, George D., and R. R. McGregor, Pittsburgh, Pa., assignors to Mellon Institute of Industrial Research, trustee. Carroting fur. 1,885,887; Nov. 1.
Beal, George D., and R. R. McGregor, Pittsburgh, Pa., assignors to Mellon Institute of Industrial Research, trustee. Carroting fur. 1,885,888; Nov. 1.
Beale, Addison H. (See Aston, J., and Beale.)
Beale, Addison H. (See Pellin, Paul, Taylor, and Beale.)
Beale, Charles E. (See Taylor, R., and Beale.)
Beale, Charles E., and H. S. Deyes, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,855,701; Apr. 26.
Beall, Charles R., Edgewood Borough, and R. M. Gilson, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Alternating current relay. 1,851,485; Mar. 29.
Beall, Clifford A., Raymond, Wash. Paper folding machine. 1,863,709; June 21.
Beall, Isaac N., assignor to John C. W. Beall, Washington, D. C. Oil and natural gas conversion process. 1,859,193; May 17.
Beall, John C. W. (See Beall, Isaac N., assignor.)
Beall, John S., Portland, Oreg. Food preserving cabinet. 1,868,487; July 26.
Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Dispensing mechanism. 1,868,516; July 26.
Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Grain planter. 1,886,149; Nov. 1.
Beall, William W., Muncie, Ind. Automobile transmission. 1,861,376; May 31.
Beals, Albert R., Kansas City, Mo., E. E. Pudge, and F. A. Pudge, assignors to Universal Rotary Motors Co., Ulysses, Kans. Rotary engine. 1,839,638; Jan. 5.
Beam, Harry J., Otter, Mont. Aircraft landing float. 1,885,889; Nov. 1.
Beam, Vlynn O. (See Branche, N. T., and Beam.)
Beaman, George B., Crafton, assignor to Superior Paper Products Company, Carnegie, Pa. Spacing pad. 1,852,832; Apr. 5.
Beaman, Walter L., assignor to Gem Crib & Cradle Company, Gardner, Mass. Child's crib or bassinet. 1,847,916; Mar. 1.
Beamer, Frank H., Buffalo, N. Y. Resilient centering device. 1,883,258; Oct. 4.
Beamer, Jennie J., trustee. (See Beamer, Joseph W., assignor.)
Beamer, Joseph W., Chicago, Ill., assignor to Jennie J. Beamer, trustee. Muffler. 1,866,004; July 5.
Bean, Charles E., Stafford Springs, Conn. Automatic time and valve controlling apparatus for yarn dyeing and washing machines. 1,850,124; Mar. 22.
Bean, Ivan L. (See Bean, Louis A., assignor.)

Bean, Louis A., Denver, Colo. Reflector. 1,889,188; Nov. 29.
Bean, Louis A., assignor to I. L. Bean, Denver, Colo. Electric soldering means. 1,862,653; June 14.
Bean, Maurice E., and W. W. Herbst, Detroit, Mich. Bottle cap reforming device. 1,840,428; Jan. 12.
Bean, William H., Oakland, Calif. Automatic work gripper. 1,869,554; Aug. 2.
Beanblossom, Walter E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Production of thionyl chloride. 1,861,900; June 7.
Beaney Rubber Company. (See Beaney, Thomas A., assignor.)
Beaney, Thomas A., Poughkeepsie, N. Y., assignor to Beaney Rubber Company, New York, N. Y. Transmission mechanisms. 1,841,177; Jan. 19.
Beans, John F., Massillon, Ohio. Heating furnace. 1,859,760; May 24.
Bear Manufacturing Company. (See North, George H., assignor.)
Bear Manufacturing Company. (See Wochner, Henry, assignor.)
Bear, Paul S., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,872,223; Aug. 16.
Bear, Ralston E., Los Angeles, Calif., assignor to General Electric Company. Indicating system. 1,840,077; Jan. 5.
Beard, George M., Auburn, Ind. Wind motor. 1,877,622; Sept. 13.
Beard, Henry G., D. E. Justus and A. Barelli, Kansas City, Mo. Insert for tills. 1,875,695; Sept. 6.
Beard, Joseph H., and C. O. Hem, assignors to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,850,397; Oct. 4.
Beard, Lawrence O., Lancaster, Pa. Reamer. 1,852,690; Apr. 5.
Beard, Lawrence O., Lancaster, Pa. Chuck. 1,863,096; June 14.
Beard, Lawrence O., Lancaster, Pa. Reamer. 1,873,177; Aug. 23.
Beard, Lawrence O., Lancaster, Pa. Abrading tool. 1,874,656; Aug. 30.
Beard, William H., Beaumont, Tex. Thermometer. 1,876,592; Sept. 13.
Beardsley Chandelier Manufacturing Company. (See Ohm, Albert J. D., assignor.)
Beardsley, Alfred, Montevideo, Uruguay. Multicolor fountain pen. 1,875,553; Sept. 6.
Beardsley, Alfred S., Montevideo, Uruguay. Padlock. 1,888,108; Nov. 15.
Beardsley, Alling P., and M. L. Dolt, Plainfield, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Catalytic contact mass. 1,880,678; Oct. 4.
Beardsley, Bruce, Brooklyn, and W. C. Chadbourne, Elmhurst, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y. Transfer mechanism for strap conveyers. 1,858,320; May 17.
Beardsley Chandelier Manufacturing Company. (See Ohm, Albert J. D., assignor.)
Beardsley, Edwin W., Texas City, Tex., assignor to Petroleum Conversion Corporation, New York, N. Y. Converting hydrocarbon compounds. 1,841,589; Jan. 19.
Beardsley, Edwin W., Texas City, Tex., assignor to Petroleum Conversion Corporation, New York, N. Y. Vaporizer and superheater. 1,842,320; Jan. 19.
Beardsley, Edwin W., Texas City, Tex., assignor to Petroleum Conversion Corporation, New York, N. Y. Conversion of hydrocarbon oils. 1,883,744; Oct. 18.
Beardsley, Edwin W., and M. W. Colony, Texas City, Tex., assignors, by mesne assignments, to Petroleum Conversion Corporation, New York, N. Y. Method and apparatus for treating hydrocarbons. 1,842,318; Jan. 19.
Beardsley, Edwin W., Texas City, Tex., and M. W. Colony, Los Angeles, Calif., assignors to Petroleum Conversion Corporation, New York, N. Y. Converting hydrocarbon compounds. 1,842,319; Jan. 19.
Beardsley, Edwin W., Los Angeles, Calif., and A. P. Sachs, Brooklyn, assignors to Petroleum Conversion Corporation, New York, N. Y. Converting oils and simultaneously recovering asphalt. 1,851,745; Mar. 29.
Beardsley, Lester A., assignor to Norwich Wire Works, Inc., Norwich, N. Y. Pin board. 1,883,483; Oct. 18.
Beardsley & Piper Company, The. (See Naylor, Walter E., assignor.)
Beardsley & Piper Company, The. (See Stratford, Nathaniel W., assignor.)
Beardsley & Wolcott Mfg. Co., The. (See Lucia, Louis V., assignor.)
Beardsley & Wolcott Manufacturing Company, The. (See Walder, Emil, assignor.)
Beardsley & Wolcott Mfg. Co., The. (See Wolcott, Frank E., assignor.)
Beardsley & Wolcott Mfg., Co., The. (See Wolcott, F. E., and Lucia, assignors.)
Bearly, Fred D., Tulsa, Okla. Derrick leg coupling. 1,880,231; Oct. 4.
Bears, Daniel S., Edgewood, R. I., assignor to Reliance Manufacturing Company. Link unit for a chain, bracelet, pendant, or the like. Des. 86,435; Mar. 8.
Beasley, Ira V. (See Leriche, W., and Beasley.)

Beasley, Starley F. (See Meadows, Claude C., assignor.)
Beath, Charles F., La Grange, and H. M. E. Heinicke, Elgin, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Producing magnetic materials. 1,859,067; May 17.
Beaton, John Lorne, Parkland, Alberta, assignor of one-fourth to G. E. A. Malchow, Stavely, Canada. Grease gun filler. 1,877,381; Sept. 13.
Beatson, Francis H. P., Paisley, Scotland. Carburetor. 1,841,778; Jan. 19.
Beattey, Earle J. R., Edgewood, assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,858,238; May 17.
Beattie, James, Sydney, New South Wales, Australia. Two-way elevating truck. 1,890,361; Dec. 6.
Beatty, Dana C., assignor to Gynex Corporation, New York, N. Y. Cartridge. 1,870,942; Aug. 9.
Beatty, Floyd A., Corliss Station, assignor to Lewis Foundry & Machine Company, Groveton, Pa. Automatic centering and shearing machine. 1,865,320; Nov. 1.
Beatty, George W. (See Smith, Francis X., assignor.)
Beatty, Howard, and C. Monzere, assignors to Glidden Food Products Company, Chicago, Ill. Edible coating for frozen products. 1,883,484; Oct. 18.
Beatty, James, L. P. Uphoff, and F. A. Sims, San Jose, Calif. Coating device. 1,861,345; Oct. 4.
Beatty, Mack A., Garden Grove, Calif. Spark control. 1,892,600; Dec. 27.
Beatty, Philip J. (See Lee, J. E., Barney, and Beatty.)
Beatty, Richard C., Chicago, Ill. Packaged multisheet article. 1,874,857; Aug. 30.
Beatty, Robert J., assignor to The Federal Glass Company, Columbus, Ohio. Method and apparatus for completing pressed blown ware or blown ware. 1,857,491; May 10.
Beatty, Robert J., assignor to The Federal Glass Company, Columbus, Ohio. Method and apparatus for completing pressed blown ware or blown ware. 1,857,492; May 10.
Beatty, Robert S., Toms River, N. J. Power take off. 1,884,526; Oct. 25.
Beatty, Stanley, Highland, N. Y. Brake mechanism. 1,859,044; Mar. 22.
Beatty, Thomas W., Columbiana, assignor to Porcelier Manufacturing Company, East Liverpool, Ohio. Cover for vitreous vessels. 1,844,053; Feb. 9.
Beatty, William G., Anderson, Ind. Air conditioning apparatus. 1,850,069; Mar. 22.
Beaty, Evan J. and J. C. W., Weslaco, Tex. Tappoon. 1,843,201; Feb. 2.
Beaty, James T., Charlotte, N. C. Cotton conveyer. 1,866,005; July 5.
Beaty, John C. W. (See Beaty, E. J. and J. C. W.)
Beauchamp, George, Alhambra, Calif. Ornamental portable fence. Des. 86,991; May 24.
Beauchamp, Gilbert W. and H. B., Stratton on the Fosse, England. Temperature maintaining apparatus. 1,855,817; Apr. 26.
Beauchamp, Ross S. B. (See Beauchamp, G. W. B. and R. S. B.)
Beauchamp, Wilfred A., assignor to Camel Company, Chicago, Ill. Car construction. 1,874,226; Aug. 30.
Beauchamp, Wilfred A., assignor to Camel Company, Chicago, Ill. Door lock. 1,877,263; Sept. 13.
Beauchamp, Wilfred A. and A. Wasberg, assignors to Camel Company, Chicago, Ill. Door elevating mechanism. 1,874,227; Aug. 30.
Beaujean, Camille, Brussels, assignor to Société Anonyme d'Ougree Marihaye, Ougree, Belgium. Sheet piling. 1,860,766; May 31.
Beaumont, R. H., Company. (See Hale, William E., assignor.)
Beaumont, Robert H., Radnor, Pa. Double roll crusher. 1,847,850; Mar. 1.
Beaumont, Thomas E., and J. N. Waring, London, England. Apparatus for the hydraulic transmission of power. 1,862,045; June 7.
Beauregard, Alexandre. (See Hannon, J. T., and Beauregard.)
Beauvais, Georges, and J. Beauvais, Montreal, Quebec, Canada. Extensible and reversible table. 1,874,693; Aug. 30.
Beauvais, Jacques. (See Beauvais, Georges, and J.)
Beavan, Herbert G., Lane Cove, near Sydney, New South Wales, Australia. Smoothing iron attachment. 1,847,808; Mar. 1.
Beaver, Earnest, Mcalester, Okla. Aeroplane. 1,878,808; Sept. 20.
Beaver, John G. (See Bricken, John.)
Beaver Manufacturing Company. (See Slade, H. E., and Gehring, assignors.)
Bebb, Harry T., assignor to The Canton Stamping & Enameling Company, Canton, Ohio. Burning rack. Re18,402; Mar. 29.
Bebb, Harry T., assignor to The Canton Stamping & Enameling Company, Canton, Ohio. Continuous enamel ware manufacture. 1,890,597; Dec. 13.
Bebbington, William E., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,856,617; May 3.
Bebel, Abraham, New York, N. Y. Safety removable fastener. 1,856,843; May 3.
Beble, Edwin W., Hawthorne, N. J. Cap for tubular bodies or cores. 1,889,139; Nov. 29.
Becher, Ernest F., Buffalo, N. Y. Seat cushion. 1,843,893; Feb. 2.
Becher, Hubert L. (See Harvey, H. C., and Becher.)
Becher, Hubert L. (See Landt, G., and Becher.)
Béchereau, Louis, Paris, assignor to Societe Anonyme: Aviona Kellner-Bechereau, Boulogune, Sur-Seine, France. Manufacture of hollow bodies. 1,885,406; Nov. 1.
Bechert, Fred J., Stamford, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring end connection. Re18,664; Nov. 22.
Bechert, Fred J., Stamford, assignor to The Fafnir Bearing Company, New Britain, Conn. Spring end connection. 1,862,501; June 7.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Paper folding machine. 1,871,102; Aug. 23.
Bechstein, Carl, jr. (See Moore, E., Bechstein, and Gravenstein.)
Becht, Robert, assignor to The Robert Becht Company, Cincinnati, Ohio. Machine for coating cans. 1,854,245; Apr. 19.
Becht, Robert, Company, The. (See Becht, Robert, assignor.)
Bechtel, Theodore B., Salem, Ohio. Electric furnace. 1,878,619; Sept. 20.
Bechtol, Archie H., Daytona Beach, Fla., and W. A. Tratsch, Chicago, Ill. Game board. Des. 87,379; July 19.
Bechtol, Archie H., Daytona Beach, Fla., and W. A. Tratsch, Chicago, Ill. Dispensing cabinet. Des. 87,380; July 19.
Bechtol, Archie H., Daytona Beach, Fla., and W. A. Tratsch, Chicago, Ill. Game board. Des. 87,700; Aug. 30.
Bechtold, Josef, Coleman Station, N. Y. Egg counter for hens. 1,855,072; Oct. 25.
Bechtold, Reuben O., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Air eliminator for liquid. 1,868,444; July 19.
Beck, Adolf, Bitterfeld, Germany. Production of castings of magnesium and magnesium alloys in permanent molds. 1,861,592; June 7.
Beck, Adolf, and W. Schmidt, Bitterfeld, and H. Dibelka, Dusseldorf-Oberkassel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Grinding etching plates made of magnesium alloys for phonographic printing. 1,861,092; June 14.
Beck, Adolf, Bitterfeld, and H. Dibelka, Dusseldorf-Oberkassel, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. Treatment of articles made of magnesium or high percentage magnesium alloys. 1,876,131; Sept. 6.
Beck, Carl, Springfield, and H. B. Burton, Longmeadow, assignors to Rolls Royce of America, Inc., Springfield, Mass. Sub-frame for automobile bodies. 1,872,671; Aug. 23.
Beck, Carl H., Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control device. 1,874,749; Apr. 19.
Beck, Charles J., Philadelphia, Pa. Cutting mechanism for cutting and folding machines. 1,862,460; June 7.
Beck, Christoph, Ludwigshafen-on-the-Rhine, and H. Wissbach, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of nitric acid. 1,857,346; May 10.
Beck, Christoph, and F. Krenp, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of organic acids. 1,860,677; Oct. 4.
Beck, Elmer E., Lititz, Pa. Convertible stool steps. 1,863,614; June 21.
Beck, Ernest J., assignor to Blackwell & Sunde, Incorporated. Long Beach, Calif. Oil saver. 1,867,559; July 19.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Table fork or similar article. Des. 86,009; Jan. 19.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork, or other article of flatware. Des. 86,348. Mar. 1.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork, or other article of flatware. Des. 86,507; Mar. 15.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Table knife or similar article. Des. 86,508; Mar. 15.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork, or other article of flatware. Des. 86,695; Apr. 12.
Beck, Gustaf, Minneapolis, Minn., assignor of forty-nine one hundredths to G. O. Barrow, Mission San Jose, Calif. Valve for internal combustion engines. 1,881,259; Oct. 4.
Beck, Gustaf C. F., Minneapolis, Minn., assignor of forty-nine one-hundredths to G. O. Barrow, Mission San Jose, Calif. Pliers. 1,891,865; Dec. 20.
Beck, Harvey W., and R. M. Bell, Danville, Pa. Single needle joining folder. 1,890,447; Dec. 13.
Beck, Henry P. C., San Francisco, Calif. Toothpick holder. 1,870,162; Aug. 2.
Beck, Jakob, Berlin, Germany. File. 1,883,754; Oct. 18.
Beck, John, Ashland, Wis. Refrigerator. 1,891,905; Dec. 27.
Beck, Julius S., Los Angeles, Calif. Rotary jar. 1,885,043; Oct. 25.

Beck, Koller & Company. (See Hönel, Herbert, assignor.)
Beck, Lenny O., Regina, Saskatchewan, Canada. Road scraper. 1,854,167 ; Apr. 19.
Beck, Leo L., Jackson Heights, assignor to Claude Neon Lights, Inc., New York, N. Y. Discharge tube. 1,872,567 ; Aug. 16.
Beck, Leo L., Jackson Heights, assignor to Claude Neon Lights, Inc., New York, N. Y. Vacuum tube. 1,888,421 ; Nov. 22.
Beck, Leo L., Westfield, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Motion study. 1,877,713 ; Sept. 13.
Beck, Leo L., Westfield, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Fixture. 1,878,247 ; Sept. 20.
Beck, Leo L., Westfield, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Luminescent tube lighting. 1,880,230 ; Oct. 4.
Beck, Leo L., Linden, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Fixture for vacuum tube lights. 1,878,229 ; Sept. 20.
Beck, Morris B., New York, and J. D. Whittaker, Babylon, N. Y., assignors to Welsbach Street Lighting Company of America, Philadelphia, Pa. Street illumination. 1,891,136 ; Dec. 13.
Beck, Morris B., New York, and J. D. Whittaker, Babylon, N. Y., assignors to Welsbach Street Lighting Company of America, Philadelphia, Pa. Street illumination. 1,891,137 ; Dec. 13.
Beck, Nelson P., Rochester, N. Y. Deck of playing cards. Des. 87,455 ; Aug. 2.
Beck, Rudolf, Brooklyn, assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Gauge. 1,846,705 ; Feb. 23.
Beck, Rudolph H. (See Price, W. F., and Beck.)
Beck, William O., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric test connecter. 1,869,181 ; July 26.
Beck, William O., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controlling device. 1,880,676 ; Oct. 4.
Beckeman, Eric W., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine nozzle block. 1,883,868 ; Oct. 25.
Becker, Albert E., Ogden, Utah. Separating extracts from grain. 1,882,738 ; Oct. 18.
Becker, Alfonse N., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Leveling device for carriers. 1,840,828 ; Jan. 12.
Becker, Alfred C., Oberschoneweide, near Berlin, Germany. Electric heated utensil. 1,842,062 ; Jan. 19.
Becker, Aloysius W., assignor to Econobest Company, Chicago, Ill. Space heater. 1,848,150 ; Mar. 8.
Becker, Alvin C., St. Maries, Idaho. Tractor. 1,844,237 ; Feb. 9.
Becker, Arman E., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating composition containing thiphosphites. 1,885,974 ; Nov. 29.
Becker, August M., New York, N. Y. Guide finger for machines for coating webs with adhesives. 1,842,063 ; Jan. 19.
Becker, Bernard C., Canton, Ohio, assignor to The Hoover Company. Cord protector. 1,880,069 ; Sept. 27.
Becker, Bernard C., York, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,883,327 ; Oct. 18.
Becker, Carl E., Camden, N. J. Tooth mold. 1,846,012 ; Feb. 23.
Becker, Charles M., Brooklyn, N. Y. Cigarette lighter. 1,844,537 ; Feb. 9.
Becker & Co. (1924) Limited. (See Wieger, Bruno, assignor.)
Becker, Dean B., Fort Atkinson, Wis. Bracket for magnifying instruments. 1,845,405 ; Feb. 23.
Becker, Edmund H. (See Martus, M. L., Becker, and Ross.)
Becker, Elmer H. W., Dupo, Ill. Piston gripping tool. 1,842,142 ; Jan. 19.
Becker, Enno, Bremen, Germany. Sheet piling for heavy loads. 1,841,779 ; Jan. 19.
Becker, Ernst, Hamburg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing vulcanized fibers. 1,879,031 ; Sept. 27.
Becker, Frank V., Malden, Mass. Calculating instrument. 1,881,124 ; Oct. 4.
Becker, George D., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Packing. 1,845,815 ; Feb. 23.
Becker, George L. (See Kunkelman, H. C., and Becker.)
Becker, Harry, Baltimore, Md. Lamp. 1,853,491 ; Apr. 12.
Becker, Harry G., Albany, N. Y. Rail lubricating device. 1,864,000 ; June 21.
Becker, Harry G., Albany, N. Y. Driving shoebox oiling mechanism. 1,868,561 ; July 26.
Becker, Harry S., River Forest, assignor to American Flyer Manufacturing Company, Chicago, Ill. Semaphore and track for toy railways. 1,857,933 ; May 10.
Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Car coupler. 1,874,228 ; Aug. 30.
Becker, Heinrich, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Pump. 1,873,812 ; Aug. 23.
Becker, Heinz, Hamburg, Germany. Smoking process. 1,879,032 ; Sept. 27.
Becker, Henry M., New York, N. Y. Game. 1,845,473 ; Feb. 16.
Becker, Howard L., Schenectady, N. Y., assignor to General Electric Company. Tuned electrical circuits. 1,853,955 ; Apr. 12.
Becker, Jacob, Portland, Oreg. Door opener. 1,847,464 ; Mar. 1.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Apparatus for charging of coking retorts. 1,841,000 ; Jan. 12.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Retort discharge cooling system. 1,845,221 ; Feb. 16.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Quenching station and operating the same. 1,848,818 ; Mar. 8.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,865,161 ; June 28.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Operating a coke oven battery. 1,865,162 ; June 28.
Becker, Joseph, Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Providing fuel gas for coking retort ovens. 1,876,037 ; Sept. 6.
Becker, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Distillation of tar. 1,876,594 ; Sept. 13.
Becker, Julius. (See Dunkle, H. E., and Becker.)
Becker, Julius, Syracuse, assignor to Semet-Solvay Engineering Corporation, Solvay, N. Y. Flue system for retort coke ovens. 1,876,593 ; Sept. 13.
Becker, Julius H. (See Davis, Trayharn, assignor.)
Becker, Karl. (See Pfeuni, M., Becker, and Heger.)
Becker, Logan A., and J. M. Munson, Lakewood, assignors to The Dobeckmun Company, Cleveland, Ohio. Manufacturing containers. 1,845,391 ; Feb. 16.
Becker, Logan A., and J. M. Munson, Lakewood, assignors to The Dobeckmun Company, Cleveland, Ohio. Cutting web material. 1,852,394 ; Apr. 5.
Becker, Nathan, New York, N. Y. Fastening means for force cups. 1,852,071 ; Apr. 5.
Becker, Otto, et al. (See Wlefelsputz, Heinrich, assignor.)
Becker, Otto, Zuffenhausen, Germany. Safety belt. 1,851,080 ; Mar. 29.
Becker, Ralph K., assignor of forty-five one-hundredths to B. & Keil, Cleveland, Ohio. 1,842,237 ; Jan. 19.
Becker, Smith & Page, Incorporated. (See Hesse, Curt O., assignor.)
Becker, William, Chicago, Ill. Belt buckle. 1,891,519 ; Dec. 20.
Becker, William E., Chicago, Ill., assignor to Goss Printing Press Company, Chicago. 1,880,070 ; Sept. 27.
Beckerman, Florence, Atlantic City, N. J. High-chair tray attachment. 1,887,987 ; Nov. 15.
Beckert, Frank R., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,863,390 ; June 14.
Beckert, Richard E., Revere, Mass. Fountain brush. 1,863,309 ; Nov. 29.
Becket, Alan L., East Orange, N. J. Electric iron. 1,864,010 ; June 21.
Becket, Alan L., East Orange, N. J. Golf tee and making the same. 1,864,516 ; June 28.
Beckett, Ernest G. (See Loveluck, R. J., Beckett, and Thomas.)
Beckett, Harold E., London, England. Apparatus for cleaning and polishing metal ware. 1,840,429 ; Jan. 12.
Beckett, Laycock & Watkinson Limited. (See Watkinson, Arthur, assignor.)
Beckett, William A., Kingsville, Ontario, Canada. Gas burning apparatus. 1,857,525 ; May 10.
Beckett, William F., Belleville, Ill. Casket lowering device safety attachment. 1,860,767 ; May 31.
Beckette, Edmund S. (See Harley, J. J., and Beckette.)
Beckette, Edmund S., East St. Louis, assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck and bolster locking device. 1,885,890 ; Nov. 1.
Beckley-Ralston Co., The. (See Beckley, Welcome L., assignor.)
Beckley, Welcome L., Santa Monica, Calif., assignor to The Beckley-Ralston Co., Chicago, Ill. Golf club. 1,866,615 ; July 12.
Beckman, Bernard C., Chicago, Ill., assignor, by mesne assignments, to The Patents and Licensing Corporation, Boston, Mass. Strip shingle and making the same. 1,851,300 ; Mar. 29.
Beckman, Herman C., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Feeding cows during milking. 1,845,072 ; Feb. 16.
Beckman, John W., Oakland, Calif. Extracting oils. Re18,601 ; Sept. 20.
Beckner, Wallace E., et al. (See King, George W., assignor.)
Beckstrom, Robert C., and C. F. Barb, Golden, Colo. Viscosimeter. 1,848,928 ; Mar. 8.
Beckwith, Arthur C. (See Edwards, F. W., and Beckwith.)
Beckwith, Charles P., Flushing, and C. C. Main, Piermont, assignors to Aqua Systems Incorporated, New York, N. Y. Liquid supply system. 1,874,858 ; Aug. 30.
Beckwith, Charles P., assignor to Johns-Manville Corporation, New York, N. Y. Laminated sheet building material. 1,883,485 ; Oct. 18.

Beckwith, Charles J., Brooklyn, assignor to Johns-Manville Corporation, New York, N. Y. Laminated sheet material. 1,883,486; Oct. 18.

Beckwith, Clinton H., Geneva, assignor to Crane Co., Chicago, Ill. Air motor valve. 1,886,518; Nov. 8.

Beckwith, Harry H. (See Baynard, William H., assignor.)

Beckwith, Harry H. (See Jennings, Melvin O., assignor.)

Beckwith, Harry H. (See Jennings, M. O., and Alley, assignors.)

Beckwith, Harry H. (See Woodruff, Frank O., assignor.)

Beckwith, Henry C., assignor to The Byers Machine Company, Ravenna, Ohio. Excavating machine. 1,889,590; Nov. 29.

Beckwith, Louis I., Dorchester, Mass. Supporting structure. 1,870,087; Aug. 2.

Beckwith, Louis I., Dorchester, Mass. Refrigerating installation. 1,883,487; Oct. 18.

Beckwith, Louis I., Brookline, Mass. Refrigerating apparatus. 1,870,088; Aug. 2.

Beckwith, Louis I., Brookline, Mass. Refrigerating apparatus. 1,875,977; Sept. 6.

Beckwith Manufacturing Company. (See Baynard, W. H., and Murray, assignors.)

Beckwith Manufacturing Company. (See Daly, John J., assignor.)

Beckwith Manufacturing Company. (See Jennings, Melvin O., assignor.)

Beckwith Manufacturing Company. (See Pratt, William B., assignor.)

Beckwith, Theodore D. (See Bovard, P. F., and Beckwith.)

Becraft, Frank W., Denver, Colo., assignor, by mesne assignments, to The Arrow Company, Inc., New York, N. Y. Multiplex rotary drum filter. 1,870,485; Aug. 9.

Bedard, Ludger J., Minneapolis, Minn. Floor treating apparatus. 1,860,168; May 24.

Bedell, Carl E., Sherrard, and A. J. Castle, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Apparatus for receiving strip material. 1,869,094; July 26.

Bedell, Theodore, Freeport, N. Y. Folding anchor. 1,865,163; June 28.

Bedford, Alan V., Schenectady, N. Y., assignor to General Electric Company. Diaphragm for loud speakers. 1,846,937; Feb. 23.

Bedford, Alda V., Collingswood, N. J., assignor to General Electric Company. Picture transmission. 1,849,818; Mar. 15.

Bedford, Alda V., Merchantville, N. J., assignor to General Electric Company. Sound recording and reproducing apparatus. 1,849,819; Mar. 15.

Bedford & Armstrong Corporation. (See Zachert, Arthur R., assignor.)

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Power measuring and telemetering apparatus. 1,869,128; July 26.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric amplifying circuits. 1,874,169; Aug. 30.

Bedford, Charles M., Brooklyn, N. Y. Necktie and tying same. 1,858,429; May 17.

Bedford, Clayton D., New York, N. Y. Coupling. 1,859,018; May 17.

Bedford, Clayton W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,855,788; Apr. 26.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 87,326; July 12.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 87,327; July 12.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 87,703; Sept. 6.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 87,704; Sept. 6.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 87,705; Sept. 6.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 87,706; Sept. 6.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 87,860; Oct. 4.

Bedford, Edward B., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 87,861; Oct. 4.

Bedford, Frederick G. H., executor. (See Cook, S. S., Bennett, and Parsons.)

Bedford, Frederick G. H., et al., legal representatives. (See Parsons, Charles A.)

Bedford, Frederick G. H., et al., legal representatives. (See Parsons, C. A., Carnegie, and Gardner.)

Bedford, Frederick G. H., et al., legal representatives. (See Parsons, C. A., Cook and Douglas.)

Bedford, Frederick G. H., et al., legal representatives. (See Parsons, C. A., and Duncan.)

Bedford, Frederick G. H., et al., legal representatives. (See Parsons, C. A., and Rosen.)

Bedford, John A., et al. (See Parrish, Richard, assignor.)

Bedford, John S., Twickenham, England. Door attachment for vehicles. 1,891,496; Dec. 20.

Bedford Pulp & Paper Company. (See Brydges, W., and Foster, assignors.)

Bedur, George K., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible coupling. 1,890,278; Dec. 6.

Bedworth, Arthur H., Everett, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Paper container. 1,876,434; Sept. 6.

Bedworth, Robert E. (See Pilling, N. B., and Bedworth.)

Bee, May P., Chicago, Ill. Handkerchief or similar article. Des. 86,992; May 24.

Beebe, Anton, El Cerrito, Calif. Spray gun. 1,875,411; Sept. 6.

Beebe, Daniel S., et al., trustees. (See Eisenstein, Julius, assignor.)

Beebe, Ernest W. (See Kittel, John J., assignor.)

Beebe, Fredrick, jr., Euclid, Ohio. Control valve. 1,850,371; Mar. 22.

Beebe, John D., Akron, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Impeller blade. 1,869,655; Aug. 2.

Beebe, Leslie W., Oak Park, Ill. Hot and cold water wash sink and lavatory faucet fixture. 1,848,456; Mar. 8.

Beebe, William A., New Orleans, La. Hydroplane ship. 1,857,347; May 10.

Beecher, Brazier K. (See Lynn, G., Allen, and Beecher.)

Beecher, Eugene L., East Cleveland, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 1,865,688; July 5.

Beecher, Eugene L., East Cleveland, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 1,876,552; Sept. 13.

Beecher, Eugene L., East Cleveland, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 1,883,488; Oct. 18.

Beecher, Henry W., Seattle, Wash., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace. 1,840,306; Jan. 12.

Beechyn, John T., Worcester, Mass. Package picker. 1,858,572; May 17.

Beech-Nut Packing Company. (See Hambrecht, Edward J., assignor.)

Beech-Nut Packing Company. (See McBean, Douglas M., assignor.)

Beecroft, Henry J., San Francisco, Calif. Lighter. 1,852,110; Oct. 19.

Beede, Herbert G., Pawtucket, R. I. Garment pressing machine. 1,842,499; Jan. 26.

Beede, Herbert G., Pawtucket, R. I. Vacuum valve ejector. 1,842,500; Jan. 26.

Beede, Herbert G., assignor to Pantex Pressing Machine, Inc., Pawtucket, R. I. Steaming board. 1,879,033; Sept. 27.

Beedle, Fred P., and H. T. Kingsbury, Keene, N. H. Cultivator. 1,883,499; Oct. 18.

Beedle, Raymond E., East St. Louis, Ill. Spike. 1,868,964; July 26.

Beehl, Louis, and W. E. Schwarzmann, Longmeadow, assignors to United American Bosch Corporation, Springfield Mass. Flywheel magneto. 1,890,898; Dec. 13.

Beehler, William, Baltimore, Md. Automobile umbrella holder. 1,892,601; Dec. 27.

Beehler, William, Baltimore, Md. Automobile umbrella holder. 1,892,602; Dec. 27.

Beehler, William, Baltimore, Md. Automobile umbrella holder. 1,892,603; Dec. 27.

Beehler, William, Baltimore, Md. Umbrella holder for vehicles. 1,892,604; Dec. 27.

Beeken, Axel V. (See Brenzinger, Julius, assignor.)

Beekley, John S., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydrogen. 1,866,246; July 5.

Beekley, John S., Charleston, W. Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of hydrogen. 1,889,530; Nov. 29.

Beekman, Royce A., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,859,060; May 17.

Beekman, Royce A., Schenectady, N. Y., assignor to General Electric Company. Power plant. 1,886,625; Nov. 8.

Beeler, Ivan E., San Francisco, Calif. Door closer. 1,881,114; Oct. 4.

Beemack Furnace Company. (See MacDougall, Robert, assignor.)

Beeman, Edwin R. (See Futscher, Leroy T., assignor.)

Been, Paul, assignor to Harnischfeger Corporation, Milwaukee, Wis. Apparatus for handling and storing. 1,874,859; Aug. 30.

Beers, Burton B. (See Labadie, H. H., and Beers.)

Beers, George L., Collingswood, N. J., assignor, by mesne assignments, to Corporation of America, New York, N. Y. Amplifying system. 1,883,490; Oct. 18.

Beers, Roland F., Belmont, assignor to Submarine Signal Company, Boston, Mass. Resonator. 1,848,041; Mar. 1.

Beers, Roland F., Boston, assignor to Raytheon, Inc., Cambridge, Mass. Electron discharge device. 1,886,150; Nov. 1.

Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Hopper construction for stokers. 1,839,826; Jan. 5.

Beetem, Frank G., Philadelphia, Pa. Controlling the charge of storage batteries. Re18,516; July 12.

Beetem, Frank G., Philadelphia, Pa. Emergency lighting system, 1,882,472; Oct. 11.

Beetem, Frank G., Philadelphia, Pa. Emergency lighting system. 1,882,473; Oct. 11.

Begeman, Henry W. New York, N. Y. Muffle kiln. 1,875,365; Sept. 6.

Begerow, Otto, Bad Kreuznach, and O. Fuchs, Konstanz, assignors, by mesne assignments, to the Firm of Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Process and apparatus for activating carbonaceous material. 1,843,941; Feb. 9.

Begg, Russell S., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Combined disk wheel and hub cap. Des. 86,904; May 16.

Begg, Russell S., Indianapolis, Ind., assignor to Budd Wheel Company, Philadelphia, Pa. Hub shell construction. 1,853,967; Feb. 9.

Beghetti, Peter, San Francisco, Calif. Wire twister. 1,844,343; Feb. 9.

Beghetti, Peter, San Francisco, Calif. Concrete form apparatus. 1,875,366; Sept. 6.

Bégin, Lucien, Paris, France, assignor of one-half to W. B. Weaver, Birmingham, Ala., and H. F. Wilhelm, New York, N. Y. Electric signaling. 1,862,106; June 7.

Bégin, Lucien, Paris, France, assignor of one-half to W. B. Weaver, Birmingham, Ala., and H. F. Wilhelm, New York, N. Y. Electric signaling. 1,878,752; Sept. 20.

Bégin, Lucien, Paris, France, assignor of one-half to William B. Weaver, Birmingham, Ala., and Harold F. Wilhelm, New York, N. Y. Electron discharge device. 1,885,217; Nov. 1.

Begle, Ned G., Greenwich, Conn., assignor to Berst-Forster-Dixfield Company, Dixfield, Me. Dispensing container for paper rolls. 1,887,912; Nov. 15.

Begovich y Garcia, Juan, Santa Julia, Mexico City, Mexico. Phonograph. 1,859,209; July 6.

Begtrup, Edward F., Jersey City, N. J. Crucible for aluminothermic reactions. 1,872,391; Aug. 16.

Begtrup, Edward F. Jersey City, N. J. Rail clamp. 1,878,098; Sept. 20.

Begtrup, Edward F., Jersey City, N. J. Crucible for aluminothermic reactions. 1,885,763; Oct. 25.

Begtrup, Edward F., Jersey City, N. J. Method and apparatus for pressure butt-welding tubes and the like. 1,886,120; Nov. 22.

Begtrup, Edward F., Jersey City, N. J. Mold for welding rails. 1,892,376; Dec. 27.

Behan, Thomas W., assignor to Nineteen Hundred Corporation, Elizabeth, N. J. Combined washing machine casing and drier. Des. 87,098; June 7.

Behimer, Otto, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for making gasoline. 1,840,012; Jan. 5.

Behimer, Otto, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,874,861; Aug. 30.

Behimer, Otto, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Making gasoline. 1,883,850; Oct. 18.

Behimer, Otto, Chicago, Ill., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,874,860; Aug. 30.

Behimer, Otto, Oak Park, Ill., assignor to The Texas Company, New York, N. Y. Converting hydrocarbon oils. 1,883,491; Oct. 18.

Behle, Joseph, assignor to The Murray Company, Dallas, Tex. Press door clamping device. 1,845,117; Feb. 16.

Behle, Joseph, assignor to The Murray Company, Dallas, Tex. Gin rib grinding machine. 1,845,118; Feb. 16.

Behle, Joseph, and C. W. Hodde, assignors to The Murray Company, Dallas, Tex. Heat treating machine. 1,808,812; July 26.

Behling, William G., North Bergen, N. J. Lift cart. 1,873,163; Aug. 23.

Behm, Rudolf. (See Hanyzer, B., and Behm.)

Behneman, F. J. (See Rexworthy, Harold S., assignor.)

Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,858,980; May 17.

Behnke, Guy E., Houston, Tex., and R. Giesey, Oklahoma City, Okla., assignors to Reed Roller Bit Company, Houston, Tex. Drill cutter mounting. 1,879,034; Sept. 27.

Behr, Leo, assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for electrical measurement control. 1,870,982; Aug. 9.

Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)

Behrend, Oswald, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber and products obtained thereby. 1,881,166; Oct. 4.

Behrend, Oswald, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacturing vulcanized rubber and products obtained thereby. 1,891,743; Dec. 20.

Behrends, Christian, Winnipeg, Manitoba, Canada. Lock. 1,875,978; Sept. 6.

Behrendt, Robert, Altoona, Pa. Keyhole protector. 1,845,078; Feb. 23.

Behrens, Heinz, Kiel, assignor to Fried Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Elastic shaft coupling. 1,853,757; Apr. 12.

Behrens, Henry J., Lowville, N. Y. Scale. 1,872,646; Aug. 23.

Behringer, Benjamin F., West Caldwell, N. J. Washing machine for rugs, carpets, etc. 1,877,156; Sept. 13.

Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Container. 1,887,448; Nov. 8.

Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Container. 1,887,449; Nov. 8.

Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Container. 1,887,485; Nov. 8.

Behrlenz, Joseph, Hamburg, assignor to the Firm of Neuerburgsche Verwaltungsgesellschaft G. m. b. H., Cologne-on-the-Rhine, Germany. Tobacco feeding apparatus for cigarette machines. 1,856,688; May 3.

Behrman, Abraham S., Chicago, Ill. Manufacture of hypochloric acid. 1,843,196; Feb. 2.

Behrman, Abraham S., Chicago, Ill. Halogen recovery. 1,843,354; Feb. 2.

Behrman, Abraham S., Chicago, Ill. Halide preparation. 1,843,355; Feb. 2.

Behrman, Abraham S., Chicago, Ill. Manufacture of hypobromic acid. 1,870,308; Aug. 9.

Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Base exchange material and preparting same. 1,869,087; July 26.

Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor. Des. 87,192; June 21.

Behrman, Marcus B., assignor to Lox Seal Corporation, Brooklyn, N. Y. File wire. 1,882,739; Oct. 18.

Behrsin, August, Huntington Park, Calif. Oil burner. 1,861,997; June 7.

Behrsin, August, Huntington Park, Calif. Oil burner. 1,861,997; Nov. 8.

Behse, Joseph E., assignor of one-fourth to G. C. Willcox, Saginaw, Mich. Roller tail-skid for airplanes. 1,874,260; Aug. 30.

Beidler, Donald C. and A. J. Viken, Manhasset, N. Y., assignors to said Donald C. Beidler as trustee. Stand for camera and the like. 1,844,113; Feb. 9.

Beidler, George C., Rochester, N. Y. Photographing and film treating apparatus. 1,847,809; Mar. 1.

Beidler, George C., Rochester, N. Y. Photographing apparatus. 1,859,253; May 17.

Beidler, George C., Rochester, N. Y. Photographing apparatus for duplex film. 1,882,111; Oct. 11.

Beidler, George C., Rochester, N. Y. Photographic developing apparatus. 1,891,814; Dec. 6.

Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Folding card table. 1,873,263; Aug. 23.

Beisler, Christian G., Gonzonville, Pa. Molasses distributor. 1,869,296; July 26.

Beilfuss, George A. (See Eiseman, M. C., and Beilfuss.)

Beilgard, Harvey A., Los Angeles, Calif. Combination landing gear, stabilizer, and revolving bumper for hydroairplanes. 1,852,691; Apr. 5.

Beilgard, Harvey A., Hollywood, Calif. Ice cream cutting device. 1,860,646; May 31.

Beilhartz, Emil, assignor to Firm Gesellschaft fur elektrische Isolierungen G. m. b. H., Zehdenick, near Berlin, Germany. Apparatus for the production of fibrous tubing. 1,854,168; Apr. 19.

Beilock, David, New York, N. Y. Toothbrush holder. 1,870,276; Aug. 9.

Beinert, Henry, et al. (See Johnson, Frederick W., assignor.)

Beisel, Rex B., East Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aeroplane landing gear. 1,850,964; Mar. 22.

Beisel, Rex B., Tulsa, Okla., assignor to Curtiss Aeroplane & Motor Company, Inc. Gun mount. 1,874,422; Aug. 30.

Beisner, Lawrence F. (See Morton, W. B., and Beisner.)

Beisser, Harry, Detroit, Mich. Key machine. 1,850,311; Mar. 22.

Beistle, Martin L., Shippensburg, Pa. Camera mounting. 1,870,766; Aug. 9.

Beitman, Albert B., Cleveland Heights, Ohio. Doorcheck. 1,861,679; June 7.

Bek, Ernest G. (See Koenig, Paul, assignor.)

Bekeart, Philip B., San Francisco, Calif. Container for fly hooks and plain hooks. 1,888,304; Nov. 22.

Beker Oil Tools, Inc. (See Burt, Clarence E., assignor.)

Bel Geddes, Norman, New York, N. Y. Race game. 1,889,531; Nov. 29.

Belanger, Albert P. D., Chicago, Ill. Drier for food products. 1,864,178; June 21.

Belber, Edmond H., Philadelphia, Pa., assignor to Fashioniox, Incorporated, Dover, Del. Full-fashioned stocking and making same. 1,853,398; Apr. 12.

Belber Trunk & Bag Company, The. (See Suelflow, E. O., and Meidl, assignors.)

Belcher, Alva. (See Feil, J. T., and Belcher.)

Belcher, Daniel, assignor to Bemis Bro. Bag. Co., Minneapolis, Minn. Method of and apparatus for closing and sealing containers. 1,868,686; July 26.

Belcher, Harry M. (See Macdonald, William J., assignor.)

Belcher, Robert F. (See Carter, Samuel C., assignor.)

Belden, Albert G., Worcester, Mass., and J. R. Whittles, Rockford, Ill., assignors to Norton Company, Worcester, Mass. Forming attachment for roll grinder. 1,847,167; Mar. 1.
Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
Belden Manufacturing Company. (See Winkelman, Charles M., assignor.)
Beldimano, Alexander, Rotterdam, Netherlands. Generating electric power by means of wind. 1,876,595; Sept. 13.
Belding, George A., assignor to Aluminum Company of America, Pittsburgh, Pa. Roof gutter and hanger therefor. 1,876,553; Sept. 13.
Belding, Harry H., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator door. 1,876,598; Sept. 13.
Belding-Heminway Company. (See Knoche, Bernhard N., assignor.)
Belding Heminway Company. (See Radford George S., assignor.)
Beldue, William J. (See Stickel, C. W., and Beldue.)
Belenson, Ben, Detroit, Mich., assignor, by mesne assignments, to The Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,849,063; Mar. 15.
Belin, Edouard, Paris, France. Method and apparatus for coding and decoding. 1,851,748; Mar. 29.
Belin, Henry, 3d., assignor to The Scranton Lace Company, Scranton, Pa. Lace. 1,888,650; Nov. 22.
Beling, Earl H., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator. 1,862,735; June 14.
Belisle, Fernand, Ottawa, Ontario, Canada. Socket-counter machine. 1,876,038; Sept. 6.
Belkan, Samuel L., Los Angeles, Calif. Double door floor safe. 1,887,866; Nov. 15.
Belkoff, Michael A., et al. (See Bihler, Rober, assignor.)
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Reclining seat. 1,853,844; Apr. 12.
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Collapsible arm rest for seats. 1,879,035; Sept. 27.
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Reclining chair. 1,879,036; Sept. 27.
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Car chair. 1,879,037; Sept. 27.
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Locking device for car seats. 1,879,038; Sept. 27.
Bell, Antoinette, New Hartford, N. Y. Bed. 1,858,657; May 17.
Bell, Arthur W., assignor, by mesne assignments, to Kraft-Phenix Cheese Corporation, Chicago, Ill. Apparatus for rotting cheese. 1,862,564; June 14.
Bell, Benjamin W., St. Louis County, Mo. Safety switch. 1,889,344; Nov. 29.
Bell, Bruce, executor. (See Bell, Walter J.)
Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,864,179; June 21.
Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,880,032; Sept. 27.
Bell, Charles W., Buffalo, assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Battery charging system. 1,883,492; Oct. 18.
Bell, Edwin F. (See Anton, F. A., and Bell.)
Bell, Elmer. (See Blackmore, William, and E. Bell, assignors.)
Bell, Eugene C. (See Bell, F. W. and E. C.)
Bell, Frank W., and E. C. Bell, Sacramento, Calif. Bicycle lock. 1,881,346; Oct. 4.
Bell, Fred C., Alameda, assignor to Thyle Machinery Company, San Francisco, Calif. Pressure regulating valve. 1,858,612; May 17.
Bell, George A., assignor to Rutenber Electric Company, Marion, Ind. Electric sadiron. 1,840,652; Jan. 12.
Bell, George W., Detroit, Mich. Antivibration device for automobiles and like vehicles. 1,844,001; Jan. 12
Bell, George W., Detroit, Mich. Brake system. 1,866,791; July 12.
Bell, Harry D., New York, N. Y. Toothbrush. 1,859,425; May 24.
Bell, Harry D., New York, N. Y. Tooth brush. 1,887,913; Nov. 15.
Bell, Harvey W., Ardsley-on-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Steering mechanism for motor vehicles. 1,848,096; Mar. 8.
Bell, Harvey W., Ardsley-on-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Spring suspension. 1,860,831; May 31.
Bell, Harvey W., Ardsley-on-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Vehicle suspension means. 1,871,025; Aug. 9.
Bell, Henry G., Brisbin, Pa. Ornament. 1,864,792; June 28.
Bell, Holton C., Beverly, Mass. Dispensing device. 1,853,493; Apr. 12.
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell & Howell Company, The. (See Steehbart, Bruno, assignor.)
Bell & Howell Company. (See Zuber, John G., assignor.)
Bell, Ivan C., Dallas, Tex. Suction supporting device. 1,842,383; Jan. 26.
Bell, James A., Shelbyville, Ky. Automobile signal. 1,882,740; Oct. 18.
Bell, James H. (See Bonine, Charles E., assignor.)
Bell, James H. (See Eubank, William S., assignor.)
Bell, James H. (See Remington, Joseph P., assignor.)
Bell, John E., deceased Brooklyn; L. R. Bell, executrix, assignor to Foster Wheeler Corporation, New York, N. Y. Steam generating and superheating apparatus. 1,888,975; Nov. 29.
Bell, John E., deceased, Brooklyn; L. R. Bell, executrix, Jackson Heights, assignor to Foster Wheeler Corporation, New York, N. Y. Steam generation and superheating. 1,889,031; Nov. 29.
Bell, John P., Baltimore, Md. Fender lamp for automobiles, etc. 1,877,792; Sept. 20.
Bell, Joseph D., San Francisco, Calif. Dressing tent for invalides. 1,841,902; Jan. 12.
Bell, Joseph D., San Francisco, Calif. Elevated transportation system. 1,846,021; Feb. 23.
Bell, Joseph D., San Francisco, Calif. Storage building for automobiles. 1,869,794; Aug. 2.
Bell, Kenneth E., Marblehead, assignor to A. C. Lawrence Leather Company, Boston, Mass. Drier. 1,885,505; Nov. 1.
Bell, Kenneth G. (See Rosenstein, L., and Bell.)
Bell, Lois R., executrix. (See Bell, John E.)
Bell, Norman W., Waterloo, Iowa. Hoisting and loading device. 1,854,973; Apr. 19.
Bell Punch and Printing Company Limited. (See Chubb, G. C. P., Colmer, and Bannister, assignors.)
Bell Punch and Printing Co. Limited, The. (See Webb, Christopher F., assignor.)
Bell, Ralph, Lamar, S. C. Cotton press. 1,857,707; May 10.
Bell, Robert J., Baltimore, Md. Collapsible barrel. 1,852,281; Apr. 5.
Bell, Robert M. (See Beck, H. W., and Bell.)
Bell, Sidney. (See Bell, S. R., and Wardwell, assignor.)
Bell, Sidney R., New York, N. Y., and G. W. Wardwell, South Norwalk, Conn.; said Wardwell assignor of his right to S. Bell, Rutherford, N. J. Cord dispensing device. 1,878,940; Sept. 20.
Bell Telephone Laboratories, Incorporated. (See Adolph, Walter J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Allison, S. W., and McCullagh, assignors.)
Bell Telephone Laboratories, Incorporated. (See Arnold, Harold D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Arnold, Henry B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bachelet, Albert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bausch, Ewald, assignor.)
Bell Telephone Laboratories, Incorporated. (See Beck, William O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bennett, Arthur F. assignor.)
Bell Telephone Laboratories, Incorporated. (See Bennett, William R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Berrian, John A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bescherer, E. A., and Zimmann, assignors.)
Bell Telephone Laboratories, Incorporated. (See Bishop, Walter M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Björnson, B. G., Horton, and Worwine, assignors.)
Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bostwick, Lee G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bouton, George M., assignor.)
Bell Telephone Laboratories, Incorpovated. (See Boving, Henrik, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bowne, Langford J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bragg, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Broadwell, Howard, assignor.)
Bell Telephone Laboratories, Incorporated. (See Brown, Horatio G. W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
Bell Telephone Laboratories, Incorporated. (See Buckley, Oliver E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burchett, George W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burgess, Harry A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burns Robert M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burr George W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Butterfield, Joseph T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Callahan, Vincent T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Carlton, R. C., Tinus, and Vadersen, assignors.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., and Collis, assignors.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W. and Dahl, assignors.)
Bell Telephone Laboratories, Incorporated. (See Casper, William L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Castner, Theodore G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Catogge, Joseph J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ceccarini, Olindo O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Chesnut, R. W., Terry and Kannenberg, assignors.)
Bell Telephone Laboratories, Incorporated. (See Christopher, Arthur J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cioffi, Paul B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clark, Edgar H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clarke, Harry R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cole, Ira E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Crawford, Allen L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Crawford, A. L., and Glass, assignors.)
Bell Telephone Laboratories, Incorporated. (See Curley, Thomas V., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, Austen, assignor.)
Bell Telephone Laboratories, Incorporated. (See Dahl, Jack F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dahl, J. F., and Carpenter, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dixon, Andrew G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dixon, J. B., and Hayford, assignors.)
Bell Telephone Laboratories, Incorporated. (See Doba, Stephen, assignor.)
Bell Telephone Laboratories, Incorporated. (See Doba, Stephen, jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dunham, Ernest G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Eighmey, David T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ellis, William C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Elmen, Gustaf W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Elmer, Lloyd A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Entz, F. S., and Bachelet, assignors.)
Bell Telephone Laboratories, Incorporated. (See Erickson, Elmer C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Eyring, C. F. Hanson, and MacNair assignors.)
Bell Telephone Laboratories, Incorporated. (See Ferguson, James S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Flanders, Paul B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Flanders, P. B. and Harrison, assignors.)
Bell Telephone Laboratories, Incorporated. (See Folkner, George W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fondiller, William, assignor.)
Bell Telephone Laboratories, Incorporated. (See Fracker, Edward G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Friis, Harald T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fry, Jacob R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ganz, Albert G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gargan, John O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gastonguay, A., and Fuller, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gent, E. W., and Potts, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gilbert, John J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gillett, Glenn D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goff, Harold W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goodeham, John W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goodrum, Charles L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gorton, William S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Graham, Frank H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Greenidge, Ralph M. C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Grimley, Donald G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hague, Alfred E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hall, Arthur G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hall, Howard, assignor.)
Bell Telephone Laboratories, Incorporated. (See Haring, Horace E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harris, J. E., and White, assignors.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hayford, Walter S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, R. A., and Farrington, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hibbard, Frank H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hinrichsen, Edward E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoer bel, P. C., and Doba, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hogg, J. L., and Doba, assignors.)
Bell Telephone Laboratories, Incorporated. (See Holland, Newman H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Arthur W., jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoyt, Frederick A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hunt, A. E., and Lang, assignors.)
Bell Telephone Laboratories, Incorporated. (See Irvine, Frank S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Irvine, F. S., and Roberts, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, H. E., and Gray, assignors.)
Bell Telephone Laboratories, Incorporated. (See Jaycox, Edwin K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, Lewis H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, L. H., and Gibson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Jones, H. L., and Veazie, assignors.)
Bell Telephone Laboratories, Incorporated. (See Jones, Warren C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keckler, C. W., and Hague, assignors.)
Bell Telephone Laboratories, Incorporated. (See Keith, Clyde R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keller, Arthur E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kerner, Sebastian, assignor.)
Bell Telephone Laboratories, Incorporated. (See King, Donald Y., assignor.)
Bell Telephone Laboratories, Incorporated. (See King, G. V., and Bonomi, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kitts, Howard L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Koechling, Charles D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kuhn, John J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lambert, Kenneth B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lane, Clarence E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lathrop, Hubbel, assignor.)
Bell Telephone Laboratories, Incorporated. (See Legg, Victor E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Linton, Grant, assignor.)
Bell Telephone Laboratories, Incorporated. (See Linton, G., and Townsend, assignors.)
Bell Telephone Laboratories, Incorporated. (See Locke, George A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lutomirski, Karel, assignor.)
Bell Telephone Laboratories, Incorporated. (See MacNair, Walter A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mandenfeld, Emanuel C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Marrison, Warren A., assignor.)
Bell Telephone Laboratories Incorporated. (See Marrison, W. A., and Horton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Marshall, Tola A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Martin, H. T., and Hoyt, assignors.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Massonneau, R. F., and Roberts, assignors.)
Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mathes, R. C., and Horton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Matthies, William H., assignor.)
Bell Telephone Laboratories, Incorporated. (See McKim, James B., assignor.)
Bell Telephone Laboratories, Incorporated. (See McNally, James O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mead, Edward L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Merriam, Francis F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Meyer, Arthur, assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Daniel B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Olmer R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Robert A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morton, E. R., and Stoller, assignors.)
Bell Telephone Laboratories, Incorporated. (See Murphy, Paul B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nebel, Charles N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Olpin, Albert R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Owens, Conrad, assignor.)
Bell Telephone Laboratories, Incorporated. (See Paine, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Parsons, Ian H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peek, Sir R., and Hippersley, assignors.)
Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)
Bell Telephone Laboratories, Incorporated. (See Pfannenstiehl, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Polkinghorn, Frank A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Porter, Leslie F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ports, Earl C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Potts, Louis M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Prince, William B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pritchard, William T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Quarles, Donald A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Quass, Ralph L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Raymond, E., and Scully, assignors.)
Bell Telephone Laboratories, Incorporated. (See Rettenmeyer, Francis X., assignor.)
Bell Telephone Laboratories, Incorporated. (See Road, R. A., and Redmond, assignors.)
Bell Telephone Laboratories, Incorporated. (See Roberts, John G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Roberts, Thomas H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rose, Charles F. P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Runyon, Benjamin F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Saillard, John H., assignor.)
Bell Telephone Laboratories, Incorporated. (See St. John, Everett, assignor.)
Bell Telephone Laboratories, Incorporated. (See Sarros, James B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schelleng, John C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schlenker, Vesper A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schwerin, Paul, assignor.)
Bell Telephone Laboratories, Incorporated. (See Seasongood, C. C., and McWilliams, assignors.)
Bell Telephone Laboratories, Incorporated. (See Siegahn, Humphreys O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smith, Edward M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smythe, Edwin H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Snook, Homer C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sole, John H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Soreny, Ernest, assignor.)
Bell Telephone Laboratories, Incorporated. (See Sprague, Clarence A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stacy, Leland J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Steinberg, John C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sterba, Ernest J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stevens, William E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stevenson, George H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stokeley, Ray L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stoller, H. M., and Morton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Tarr, James E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Templeton, Bryce O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Terry, Roy V., assignor.)
Bell Telephone Laboratories, Incorporated. (See Thuras, Albert L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Thurston, George M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Trebes, Bruno M. A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ulrich, Horace W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vadersen, Herbert, assignor.)
Bell Telephone Laboratories, Incorporated. (See Van Voorhis, Frank, jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wager, Harold N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wagel, Raymond L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Waterman, John S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wegel, Raymond L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Weinhart, H. W., and Hill, assignors.)
Bell Telephone Laboratories, Incorporated. (See Wentz, Jesse F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)
Bell Telephone Laboratories, Incorporated. (See White, J. R., and Wahl, assignors.)
Bell Telephone Laboratories, Incorporated. (See Whitney, Wiley, assignor.)
Bell Telephone Laboratories, Incorporated. (See White, Horace, assignor.)
Bell, Thomas P., Yonkers, assignor to Thermophor Manufacturing Company, Incorporated, New York, N. Y. Thermophoric mixture and making the same. 1,850,166; Mar. 22.
Bell, Thomas P., Yonkers, N. Y., assignor to Thermophor Mfg. Company, Inc. Thermophoric mixture. 1,887,618; Nov. 15.
Bell & Valentine Proprietary Limited. (See Bell, William R., assignor.)
Bell, Walter J., deceased; B. D. Bell, executor, Los Angeles, Calif. Mirror bracket structure. 1,875,554; Sept. 6.
Bell, William D., assignor of one-fourth to E. P. Corbett, Columbus, Ohio. Pumping mechanism. 1,852,252; Apr. 12.
Bell, William E., assignor of one-half to L. L. McCandless, Honolulu, Hawaii. Toilet flush valve. 1,889,626; Nov. 29.
Bell, William E. H., Glenside, assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Dyeing machine. 1,860,351; May 31.
Bell, William F. (See Hind, B. S., and Bell.)
Bell, William I., Chelsea, London, England. System of storing motor road vehicles. 1,860,008; May 24.

Bell, William M., Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Shipping container. 1,854,730; Apr. 19.

Bell, William R., Terre Haute, Ind. Poster moistening machine. 1,855,468; Apr. 26.

Bell, William R., assignor to Bell & Valentine Proprietary Limited, South Melbourne, Victoria, Australia. Paper ruling, cutting, and folding machine. 1,853,494; Apr. 12.

Bell, William R., assignor to Poster Parts Company, Terre Haute, Ind. Poster process. 1,874,862; Aug. 30.

Bellak, Henry, assignor to Empire Knitting Mills, Chicago, Ill. Slipper sock. Des. 86,152; Feb. 9.

Bellak, Henry, assignor to Empire Knitting Mills, Chicago, Ill. Knitted article and making same. 1,841,518; Jan. 19.

Bellamore, David H., New York, N. Y., assigner, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Disk wheel. 1,846,079; Feb. 23.

Bellamore, David H., New York, N. Y., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Disk wheel. 1,872,244; Aug. 16.

Bellamy, John L., Brookfield, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,839,460; Jan. 5.

Bellamy, John L., Brookfield, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,846,468; Feb. 23.

Bellamy, John L., Brookfield, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,872,558; Aug. 16.

Bellanca, Giuseppe M., New Castle, Del. Exhaust manifold. 1,845,474; Feb. 16.

Bellanca, Giuseppe M., New Castle, Del. Wing structure. 1,850,823; Mar. 22.

Bellanca, Giuseppe M., New Castle, Del. Strut construction. 1,853,492; Apr. 12.

Bellanca, Giuseppe M., New Castle, Del. Airplane engine arrangement. 1,854,464; Apr. 19.

Bellanca, Giuseppe M., New Castle, Del. Airplane engine arrangement. 1,858,726; May 17.

Bellanca, Giuseppe M., New Castle, Del. Airplane engine arrangement. 1,858,761; May 17.

Bellanca, Giuseppe M., New Castle, Del. Airplane engine arrangement. 1,858,762; May 17.

Bellanca, Giuseppe M., New Castle, Del. Fuselage construction. 1,859,077; May 17.

Bellanca, Giuseppe M., New Castle, Del. Strut construction. 1,861,901; June 7.

Bellanca, Giuseppe M., New Castle, Del. Strut construction. 1,861,902; June 7.

Bellanca, Giuseppe M., New Castle, Del. Wing structure. 1,867,401; July 12.

Bellanca, Giuseppe M., New Castle, Del. Airplane construction. 1,879,039; Sept. 27.

Bellanca, Giuseppe M., New Castle, Del. Airplane construction. 1,888,902; Nov. 22.

Bellando, Louis, Warren, Ohio. Shoe finishing machine. 1,861,903; June 7.

Bellasdi, Peter L. (See Hodnette, J. K., and Bellaschi.)

Belle City Malleable Iron Company. (See Svoboda, Joseph, jr., assignor.)

Beller, Hans, Ludwigshafen-on-the-Rhine, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of emulsifying agents. 1,862,741; Oct. 18.

Beller, Oscar, assignor of one-half to S. Deich, New York, N. Y. Air pump. 1,872,225; Aug. 16.

Belleville, Harry C., Oakland, Calif. Aircraft landing. 1,874,423; Aug. 30.

Belli, Augusto, near Santa Cruz, Calif. Machine for disposing of artichoke plants. 1,871,026; Aug. 9.

Bellinghausen, Walter, and M. Vanderkloot, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Meat press. 1,888,446; Nov. 22.

Bellis, Arthur E., Branford, Conn. Electric furnace. 1,864,844; June 28.

Belliveau, Alfred H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Remote control system. 1,872,647; Aug. 23.

Bellman, Edward L., Rockford, Ill. Swimming device. 1,868,270; July 19.

Bellmer, William, Brooklyn, N. Y. Milk dispenser. 1,861,619; June 7.

Belloni, Angelo, Portovenere, Italy. Submarine rescue emerging compartment. 1,847,996; Mar. 1.

Belloni, Angelo, Portovenere, Italy. Life-saving hood. 1,878,434; Sept. 20.

Bellow, Edward A., St. Leonards-on-Sea, England. Golf and like bag. 1,890,362; Dec. 6.

Bellows, Earl S., Portland, Oreg. Rubber shoe sole. Des. 86,102; Feb. 2.

Bellows, Earl S., assignor to Huntington Rubber Mills, Portland, Oreg. Bootlift cap. 1,863,081; June 14.

Bellows, Paul M., Glendale, Calif. Apparatus for applying draft gears to railroad cars. 1,843,968; Feb. 9.

Belluche, Elmer W., assignor to Christensen Machine Company, Racine, Wis. Signature stitching machine. 1,879,040; Sept. 27.

Belluche, Frank R., Racine, Wis. Bronzing machine. 1,839,915; Jan. 5.

Belluche, Frank R., Racine, Wis. Printing press. 1,849,219; Mar. 15.

Belluche, Frank R., Racine, Wis. Sheet transfer mechanism. 1,869,403; Aug. 2.

Belluche, Frank R., Racine, Wis. Bronzing machine. 1,878,089; Sept. 20.

Belluche, Frank R., Racine, Wis. Bronzing machine. 1,882,743; Oct. 18.

Belluche, Frank R., Racine, Wis. Bronzing machine. 1,882,744; Oct. 18.

Belluche, Frank R., assignor to Christensen Machine Company, Racine, Wis. Bronzing machine. 1,890,666; Dec. 13.

Belluzzo, Giuseppe, Rome Italy. Reversing steam turbine with variable velocity. 1,865,551; July 5.

Belluzzo, Giuseppe, Rome, assignor to Societa Italiana Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Turbine locomotive. 1,887,178; Nov. 8.

Belville, James R., Kansas City, Mo. Carburetor. 1,870,438; Aug. 9.

Belmont Casher Manufacturing Company, The. (See Neff, Harry A., assignor.)

Belmont, Louis A., Merion, Pa. Ironing machine. 1,835,044; Oct. 25.

Belnap, Nuel D., Winnetka, Ill. Oil retainer. 1,875,842; Sept. 6.

Beloit Iron Works. (See Aldrich, A., and Berry, assignors.)

Beloit Iron Works. (See Berry, Earl E., assignor.)

Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)

Beloit Iron Works. (See Reeve, Sidney A., assignor.)

Beloit Iron Works. (See Simpson, James R., assignor.)

Beloit Iron Works. (See Staege, S. A., and Berry, assignors.)

Belokopytoff, Alexander J., South Norwalk, assignor, by mesne assignments, to K. L. Mayehoff, Norwalk, Conn. Dyeing textile materials. 1,854,654; Apr. 12.

Beloyt Corporation, The. (See Bell, Harvey W., assignor.)

Belshaw, Charles F., Dearborn, Mich. Ice refrigerating device. 1,874,161; Aug. 30.

Belson, Herman, Chicago, Ill. Collar attachment. 1,881,124; Oct. 4.

Belt, John W., West Chester, Pa. Time controlled switch. 1,852,742; Oct. 5.

Belt, Joseph S. (See Sullivan, Edward G., assignor.)

Belt, Joseph S., Amarillo, Tex. Bath apparatus. 1,860,009; May 24.

Belt, Joseph S., Amarillo, Tex. Producing solid carbon dioxide. 1,863,263; June 14.

Belt, Thomas A. E., Schenectady, N. Y., assignor to General Electric Company. Combination electrical regulator. 1,849,820; Mar. 15.

Belt, Thomas A. E., Schenectady, N. Y., assignor to General Electric Company. Light-sensitive apparatus. 1,860,169; May 24.

Belt, William O. (See Woodman, George A., assignor.)

Beltz, Irving M. (See Connell, T. H., and Beltz.)

Beltz, John S., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Headlight and switch. 1,882,745; Oct. 18.

Beluche, Fernaud E. (See Brace, W. F., and Beluche.)

Bem, Joseph P., assignor to Pacific Pitting Machine Company Inc., Fresno, Calif. Pitting machine. 1,884,527; Oct. 25.

Bemam, Spencer S., Winnetka, Ill. Heating apparatus. 1,839,461; Jan. 5.

Bemberg, Otto E., Paris, France. Automatic aerodynamic stabilizer for airplanes. 1,890,363; Dec. 6.

Bemies, James F. (See Smith, S. N., and Bemies.)

Bemis, Albert F., Newton, assignor to Bemis Industries Inc., Boston, Mass. Wall construction. 1,865,500; July 5.

Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building frame. 1,873,264; Aug. 23.

Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 1,876,198; Sept. 6.

Bemis, Albert F., Newton, assignor to Bemis Industries Incorporated, Boston, Mass. Building construction. 1,878,367; Sept. 20.

Bemis Bro. Bag Co. (See Belcher, Daniel, assignor.)

Bemis Bro. Bag Company. (See Brady, Charles V., assignor.)

Bemis Bro. Bag Co. (See Litchfield, Isaac W., assignor.)

Bemis Bro. Bag Co. (See Morrill, P. E., and Brady, assignors.)

Bemis Industries Inc. (See Bemis, Albert F., assignor.)

Bemis Industries, Incorporated. (See Brown, Horatio, assignor.)

Bemis Industries, Incorporated. (See Frobisher, Ralph S., assignor.)

Bemis Industries, Incorporated. (See Litchfield, Isaac W., assignor.)

Bemis, Ken E., Oakland, Calif., assignor, by mesne assignments, to Fountain Products Corporation. Preparing buns for sandwiches. 1,842,576; Jan. 26.

Bemis, Ken E., Los Angeles, Calif., assignor, by mesne assignments, to Fountain Products Corporation. Sandwich assembling device. 1,873,920; Aug. 23.

Bemis, Kenneth E., Glendale, Calif. Paste tube cap. Des. 87,249; June 28.

Bemis, Kenneth E., Glendale, Calif. Store front. Des. 87,501; Oct. 11.

Bemis, Kenneth E., Glendale, Calif. Collapsible tube spigot. 1,852,198; Apr. 5.

Bemis, Kenneth E., Glendale, Calif. Liquid dispenser. 1,876,554; Sept. 13.
Bemis, Kenneth B., Glendale, Calif. Sandwich toaster. 1,878,258; Sept. 20.
Benander, George B., Yalesville, assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Electrical fitting and making the same. 1,857,178; May 10.
Benard, Arthur G., Rochester, N. Y., assignor to The Locke Insulator Corporation, Baltimore, Md. Multiple insulator trimming machine. 1,866,792; July 12.
Bénard, Henri L. M. J., assignor to Anciens Etablissements Hutter, Benard & Turenne, Societe Anonyme, Paris, France. Episcopic projecting apparatus. 1,842,855; Jan. 26.
Benard, Henri L. M. J., and A. J. Marcelin, Paris, France. Device for acoustically detecting and tracing aircraft. 1,861,680; June 7.
Benbow, James D., and J. B. Green, assignors to Western Wheeled Scraper Company, Aurora, Ill. Dump wagon. 1,887,914; Nov. 15.
Benbow, James D., and J. B. Green, assignors to Western Wheeled Scraper Company, Aurora, Ill. Dump wagon door. 1,871,652; Aug. 16.
Ben-Hurk, Incorporated. (See Berkowitz, Hyman C., assignor.)
Benchley, Inez G., et al. (See Benchley, William W., assignor.)
Benchley, William W., assignor of one-half to I. G. Benchley, Oakland, and one-half to W. P. Dwyer, Sacramento, Calif. Certificate holder. 1,840,763; Jan. 12.
Bencowitz, Inc. (See Bacon, R. F., and Bencowitz.)
Benda, Louis, Mainkur, near Frankfort-on-the-Main, and O. Sievers, Hohe Tanne, near Hanau-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Production of alkoxy acridinium compounds, and the products. 1,863,647; June 21.
Bender, Frank M. (See McCormick, J. H., Allen, and Bender.)
Bender, Jacob A., Union City, N. J. Dispensing device. 1,858,803; May 17.
Bender, Sydney E., Brooklyn, N. Y. Sample color card. 1,879,041; Sept. 27.
Bender, William, Downers Grove, Ill., assignor to American Brake Materials Corporation, New York, N. Y. Board for board drop hammers. 1,845,738; Feb. 16.
Bender, William, Downers Grove, Ill., assignors to Rampao Ajax Corporation, New York, N. Y. Making forged compromise bars. 1,857,582; May 10.
Bendetson, Nathan. (See Bobbin, L., Simon, and Bendetson.)
Benditt, Louis C., Kansas City, Mo. Pulley. 1,887,279; Nov. 8.
Bendix Aviation Corporation. (See Allen, Joseph W., assignor.)
Bendix Aviation Corporation. (See Bendix, Vincent, assignor.)
Bendix Aviation Corporation. (See Calvignac, Germain, assignor.)
Bendix Aviation Corporation. (See Carbonara, Victor E., assignor.)
Bendix Aviation Corporation. (See Cardoza, John B. N., assignor.)
Bendix Aviation Corporation. (See Dodge, Adiel Y., assignor.)
Bendix Aviation Corporation. (See Hay, John D., assignor.)
Bendix Aviation Corporation. (See Kruesi, Geoffrey G., assignor.)
Bendix Aviation Corporation. (See Leonard, Howard M., assignor.)
Bendix Aviation Corporation. (See Lorenzen, Christian, assignor.)
Bendix Aviation Corporation. (See McGrath, William L., assignor.)
Bendix Aviation Corporation. (See Norton, Raymond J., assignor.)
Bendix Aviation Corporation. (See Perrot, Henri, assignor.)
Bendix Aviation Corporation. (See Perrot, H., and Calvignac, assignors.)
Bendix Aviation Corporation. (See Semmes, Harry H., assignor.)
Bendix Aviation Corporation. (See Smith, Marshall A., jr., assignor.)
Bendix Brake Company. (See Altive, George F., assignor.)
Bendix Brake Company. (See Andres, William J., assignor.)
Bendix Brake Company. (See Apple, Vincent G., assignor.)
Bendix Brake Company. (See Apple, V. G., and Cotterman, assignors.)
Bendix Brake Company. (See Apple, V. G., and Hukill, assignors.)
Bendix Brake Company. (See Baker, Arthur J., assignor.)
Bendix Brake Company. (See Bellamore, David H., assignor.)
Bendix Brake Company. (See Bendix, Vincent, assignor.)
Bendix Brake Company. (See Bendix, V., and La Brie, assignors.)
Bendix Brake Company. (See Cautley, John R., assignor.)
Bendix Brake Company. (See Cunningham, Marion M. assignor.)
Bendix Brake Company. (See Delahaye, Walter H., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See Dodge, A. Y., and Taylor, assignors.)
Bendix Brake Company. (See Frank, Frederick C., assignor.)
Bendix Brake Company. (See Frankland, Edwin, assignor.)
Bendix Brake Company. (See Gallup, David L., assignor.)
Bendix Brake Company. (See Goepfrich, Rudolph A., assignor.)
Bendix Brake Company. (See Goepfrich, R. A., and Taylor, assignors.)
Bendix Brake Company. (See Hillerman, William C., assignor.)
Bendix Brake Company. (See Hirvonen, Erik, assignor.)
Bendix Brake Company. (See Hirvonen, Erik J., assignor.)
Bendix Brake Company. (See Hofer, Alfred H., assignor.)
Bendix Brake Company. (See House, Bryan E., assignor.)
Bendix Brake Company. (See House, B. E., and Parker, assignor.)
Bendix Brake Company. (See Hunt, George H., assignor.)
Bendix Brake Company. (See Kohr, Robert F., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See Laddon, I. M., and Lyon, assignors.)
Bendix Brake Company. (See Linsley, Douglas F., assignor.)
Bendix Brake Company. (See Lyman, Kenneth E., assignor.)
Bendix Brake Company. (See Lyman, K. E., and McConkey, assignors.)
Bendix Brake Company. (See McCann, George K., assignor.)
Bendix Brake Company. (See McConkey, Montgomery W., assignor.)
Bendix Brake Company. (See McConkey, M. W., and McDonald, assignors.)
Bendix Brake Company. (See McDonald, Eugene G., assignor.)
Bendix Brake Company. (See Michael, Gus F., assignor.)
Bendix Brake Company. (See Norton, Raymond J., assignor.)
Bendix Brake Company. (See Parker, Humphrey F., assignor.)
Bendix Brake Company. (See Peterson, John W., assignor.)
Bendix Brake Company. (See Renaux, Eugène P., assignor.)
Bendix Brake Company. (See Reppen, Joseph N., assignor.)
Bendix Brake Company. (See Ring, W. A., and Laddon, assignors.)
Bendix Brake Company. (See Rosner, Adolph, assignor.)
Bendix Brake Company. (See St. James, Robert T., assignor.)
Bendix Brake Company. (See Sanford, Bert J., assignor.)
Bendix Brake Company. (See Sanford, Roy S., assignor.)
Bendix Brake Company. (See Seaholm, E. W., Parker, and Stahlhuth, assignors.)
Bendix Brake Company. (See Starr, Albert C., assignor.)
Bendix Brake Company. (See Stats, Robert J., assignor.)
Bendix Brake Company. (See Stinson, Edward A., assignor.)
Bendix Brake Company. (See Taylor, Cecil H., assignor.)
Bendix Brake Company. (See Taylor, Eugene V., assignor.)
Bendix Brake Company. (See Thomas, George J., assignor.)
Bendix Brake Company. (See Van Buskirk, Robert N., assignor.)
Bendix Brake Company. (See Watts, William S., assignor.)
Bendix Brake Company. (See White, D'Orsay M., assignor.)
Bendix Brake Company. (See White, William W.)
Bendix Brake Company. (See Whitworth, Stanley, assignor.)
Bendix Brake Company. (See Whitworth, S., and Long, assignors.)
Bendix Brake Company. (See Wilmot, Fred W., assignor.)
Bendix Carburetor Company. (See Diemer, John A., assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Cowdrey, Charles H., assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Dodge, Adiel Y., assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Graham, L. L., and Flood, assignors.)
Bendix-Cowdrey Brake Tester Inc. (See Rossetter, Charles F., assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Semmes, Harry H., assignor.)
Bendix Cowdrey Brake Tester, Inc. (See Wilkes, Don Q., assignor.)
Bendix Research Corporation. (See Haas, Harold, assignor.)
Bendix Research Corporation. (See Havill, Clinton H., assignor.)

Bendix Research Corporation. (See Houston, George F., assignor.)
Bendix Research Corporation. (See Johnson, Carl V., assignor.)
Bendix Stromberg Carburetor Company. (See Chambers, Reed M., assignor.)
Bendix-Stromberg Carburetor Company. (See Chandler, M. E., assignor, and Cole.)
Bendix Stromberg Carburetor Company. (See Dalrymple, William P., assignor.)
Bendix Stromberg Carburetor Company. (See Hobbs, Leonard S., assignor.)
Bendix Stromberg Carburetor Company. (See Mabee, A. C., and Whitsett, assignors.)
Bendix Stromberg Carburetor Company. (See Miller, Jeptha M., assignor.)
Bendix Stromberg Carburetor Company. (See Mock, Frank C., assignor.)
Bendix Stromberg Carburetor Company. (See Mock, F. C., Gustafson, and Chandler, assignors.)
Bendix, Vincent, assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,846,980; Feb. 23.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,848,084; Mar. 1.
Bendix, Vincent, assignor to National Brake Service, Inc., Chicago, Ill. Brake-testing apparatus. 1,848,457; Mar. 8.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,852,103; Apr. 5.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Magnetic servo brake. 1,853,295; Apr. 12.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind. Propeller. 1,858,913; May 17.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,871,441; Aug. 16.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Braking system. 1,872,226; Aug. 16.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Support. 1,872,872; Aug. 23.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating connection. 1,872,873; Aug. 23.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,872,874; Aug. 23.
Bendix, Vincent, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,873,103; Aug. 23.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,874,863; Aug. 30.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Electromagnetic equalizing brake. 1,882,746; Oct. 18.
Bendix, Vincent, Chicago, Ill., and L. E. La Brie, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,840,829; Jan. 12.
Bendixen, Niels, assignor to J. C. Vredenburg, London, England. Apparatus for emulsification of immiscible ingredients. 1,890,106; Dec. 6.
Bene, John, & Sons, Inc. (See Kratky, Anton, assignor.)
Benecke, Heinrich, Berlin-Pankow, Germany, assignor to General Electric Company. Acoustic device. 1,879,042; Sept. 27.
Benedek, Elek, Milwaukee, Wis., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Pump. 1,876,833; Sept. 13.
Benedetto, Giuseppe, Novara, Italy, assignor to Omes Holding Company Limited, London, England. Forging. 1,857,708; May 10.
Benedetto, Giuseppe, Novara, Italy, assignor to Omes Holding Company Limited, London, England. Transformer for use in electric welding and like operations. 1,863,462; June 14.
Benedetto, Giuseppe, Novara, Italy, assignor to The Omes Holding Company Limited, London, England. Electric upsetting apparatus. 1,867,935; July 19.
Benedetto, Giuseppe, Novara, Italy, assignor to The Omes Holding Company Limited, London, England. Electric upsetting apparatus. 1,867,936; July 19.
Benedetto, Giuseppe, Novara, Italy, assignor to The Omes Holding Company Limited, London, England. Effecting the pressing of metals and apparatus therefor. 1,878,810; Sept. 20.
Benedetto, Giuseppe, Novara, Italy, assignor to Omes Holding Company Limited, London, England. Electric upsetting machine. 1,887,179; Nov. 8.
Benedict, Edward L., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Knockdown receptacle. 1,840,472; Mar. 15.
Benedict, Edward L., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reenforced plastic structure. 1,850,092; Mar. 22.
Benedict, Edward L., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reenforcing fabric. 1,882,747; Oct. 18.
Benedict, Frank, Rutherford, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,852,395; Apr. 5.
Benedict, William H., Cos Cob, Conn., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Spring handle attachment for rock drills. 1,845,825; Feb. 16.
Beneduce, Pasquale, Hoboken, N. J., assignor to A. Paladini & Company, New York, N. Y. Plaque. Des. 86,748; Dec. 27.
Benesh, Matthew E., Cicero, Ill. Method of and apparatus for measuring fluids. 1,842,238; Jan. 19.
Bengston, Helmer, assignor, by mesne assignments, to Aluminum Colors Incorporated, Indianapolis, Ind. Coated aluminum. 1,869,041; July 26.
Bengston, Helmer, assignor, by mesne assignments, to Aluminum Colors Incorporated, Indianapolis, Ind. Coating aluminum. 1,869,042; July 26.
Bengston, Helmer, assignor to Aluminum Colors Incorporated, Indianapolis, Ind. Coating. 1,891,703; Dec. 20.
Bengtsson, Carl O., Huntingdon, Pa. Nonremovable display holder. 1,842,741; Jan. 26.
Benham, Leon L., Irondequoit, H. L. Ferree, and W. J. Balkwill, assignors to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,892,547; Dec. 27.
Benilz, Leo C., Philadelphia, Pa. Headrest holder. 1,858,234; May 17.
Benjamin, Abraham S. (See Carr, J. O., and Benjamin.)
Benjamin Air Rifle Company. (See Mihalyi, Frank, assignor.)
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cotton cleaning device. 1,846,467; Feb. 23.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cotton cultivator. 1,854,822; Apr. 19.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor cultivator. 1,854,879; Apr. 19.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Bundle carrier for harvesters. 1,859,124; May 17.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor harvester. 1,864,291; June 21.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cotton cleaner. 1,878,662; Sept. 20.
Benjamin, Bert R., Oak Park, and W. R. Peterson, Park Ridge, Ill., assignors to International Harvester Company. Traction wheel. 1,878,811; Sept. 20.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cotton stripper. 1,886,151; Nov. 1.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor row-crop harvester. 1,886,152; Nov. 1.
Benjamin, Edward O., Newark, N. J. Apparatus for generating gas from liquid hydrocarbons. 1,846,833; Feb. 23.
Benjamin, Edward O., Newark, N. J. Injector. 1,846,938; Feb. 23.
Benjamin, Edward O., Newark, N. J. Apparatus for generating gas from fluid hydrocarbons. 1,846,939; Feb. 23.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin Electric Mfg. Company. (See McIver, William K., assignor.)
Benjamin Electric Manufacturing Company. (See Phillips, Paul D., assignor.)
Benjamin Electric Mfg. Company. (See Sutter, John H., assignor.)
Benjamin, Foster H., Washington, D. C., dedicated to the free use of the Public. Extracting organisms from organic or inorganic substances. 1,884,980; Oct. 25.
Benjamin, Harry S., Utica, N. Y. Vending machine. 1,851,681; Mar. 29.
Benjamin, James H., Chicago, Ill. Self-operating talking machine. 1,841,593; Jan. 19.
Benjamin, James I., assignor to Pilot Radio and Tube Corporation, Lawrence, Mass. Cabinet for radio receivers. Des. 86,509; Mar. 15.
Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,867,560; July 19.
Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling mechanism. 1,882,781; Oct. 18.
Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Electric iron construction. 1,854,533; Apr. 19.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric iron. 1,878,663; Sept. 20.
Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Mfg. Co., Des Plaines, Ill. Floodlight. 1,880,399; Oct. 4.
Benjamin, Victor C., Los Angeles, Calif. Device for producing and treating thin liquid films. 1,881,041; Oct. 4.
Benjamin, William H., Binghamton, N. Y. Milk strainer. 1,844,554; Feb. 9.
Benke, Henry, Pleasantville, N. Y. Paper receptacle. 1,853,191; Apr. 12.
Benke, Henry, Pleasantville, N. Y. Collapsible form. 1,853,192; Apr. 12.
Benline, George A. (See Wright, J. E., and Benline.)

Benn, Alonzo N., Chicago, Ill. Smokehouse trolley. 1,866,793 ; July 12.
Benn, Alonzo N., Chicago, Ill. Method and apparatus for shaping meat. 1,880,679 ; Oct. 4.
Benn, Alonzo N., Chicago, Ill. Meat forming carrier. 1,880,680 ; Oct. 4.
Benn, Alonzo N., Chicago, Ill. Apparatus for preparing meat for smoking. 1,891,467 ; Dec. 20.
Benn, Alonzo N., Chicago, Ill. Apparatus for smoking meat. 1,891,906 ; Dec. 27.
Benn, Alonzo N., Chicago, Ill. Apparatus for smoking meat. 1,891,907 ; Dec. 27.
Benn, Edward H., assignor to Rumbletop Corporation, Boston, Mass. Top for rumble seats of automobiles. 1,880,630 ; Oct. 29.
Benn, Edward H., assignor to Rumbletop Corporation, Boston, Mass. Top for rumble seats of automobiles. 1,880,632 ; Nov. 29.
Benn, Edward H., assignor to Rumbletop Corporation, Boston, Mass. Top for rumble seats for automobiles. 1,880,633 ; Nov. 29.
Benn, Edward H., assignor to Rumbletop Corporation, Boston, Mass. Top for rumble seats of automobiles. 1,891,009 ; Dec. 13.
Benn, Howard H., Jackson, assignor to F. L. Parsons, Detroit, Mich. Pipe coupling. 1,885,321 ; Nov. 1.
Benn, Stephen J., assignor to Merchant & Evans Company, Philadelphia, Pa. Bottle-type water cooler. Des. 87,902 ; Oct. 11.
Benn, Stephen J., assignor to Merchant & Evans Company, Philadelphia, Pa. Multiple-opening ice-cream container. Des. 87,955 ; Oct. 18.
Benn, Stephen J., assignor to Merchant & Evans Company, Philadelphia, Pa. Ice cream container. Des. 87,956 ; Oct. 18.
Benn, Stephen J., assignor to Merchant & Evans Company, Philadelphia, Pa. Cap for water coolers. Des. 88,140 ; Nov. 1.
Benner, Arnold R. and A. W., Louise, Tex. 1,840,805 ; Jan. 12.
Benner, August W. (See Benner, Arnold, and A. W.)
Benner, Benjamin F., Philadelphia, Pa. Water-pressure reducing valve. 1,859,597 ; Apr. 12.
Benner, Harry P. (See Egloff, G., and Benner.)
Benner, Harry P., and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for producing suspensions. 1,848,100 ; Mar. 8.
Benner, John F. (See Sundstrand, G. D., and Benner.)
Benner, Raymond C., Bayside, and L. C. Werking, New York, N. Y., assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Storage battery. 1,861,467 ; June 7.
Benner, Raymond C., and G. J. Easter, Niagara Falls, N. Y., and C. E. Hawke, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Electric furnace and operating the same. 1,867,646 ; July 19.
Benner, Raymond C., P. H. Walker, and William G. Soley, assignors to The Carborundum Company, Niagara Falls, N. Y. Forming articles from granular mixes. 1,884,128 ; Oct. 25.
Benner, Raymond C., P. H. Walker, and William G. Soley, assignors to The Carborundum Company, Niagara Falls, N. Y. Consolidating granular materials. 1,884,529 ; Oct. 25.
Benner, Russell E., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,849,064 ; Mar. 15.
Benner, Stanley J., Springfield, Mass. Conveyer chain. 1,866,993 ; July 12.
Bennet, John L., et al. (See Nelson, John V., assignor.)
Bennet, William, A. Farrar, Christchurch, and P. MacKinnon, Sidney Quay, Kaiapoi, New Zealand. Edge trimming attachment for lawn mowers. 1,858,031 ; May 10.
Bennetch, Harry C., Los Angeles, Calif. Book support. 1,876,387 ; Sept. 6.
Bennett, Alfred J., (See Hansen, H. C., and Bennett.)
Bennett, Andrew Philip. (See Cook, S. S., Bennett, and Parks.)
Bennett, Arthur F., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone pay station. 1,863,322 ; June 14.
Bennett, Charles A., Washington County, Miss., assignor to The Government and the People of the United States of America. Apparatus for drying seed-cotton. 1,871,773 ; Aug. 16.
Bennett, Charles E., Decatur, Ga. Suspended excess potential drain. 1,840,011 ; Jan. 26.
Bennett, Charles E., Decatur, Ga. Combined fuse and disconnecting switch. 1,859,194 ; May 17.
Bennett, Charles E., Decatur, Ga. Superpotential drain. 1,872,212 ; Aug. 16.
Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Lead pressing. 1,879,807 ; Sept. 27.
Bennett, Charles E., Paterson, assignor to The Okonite Company, Passaic, N. J. Lead press. 1,885,045 ; Oct. 25.
Bennett, Charles H. (See Lyndon, Alford S., assignor.)
Bennett, Charles W. (See Mack, E. L., and Bennett.)
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Wheel alignment gauge. 1,878,664 ; Sept. 20.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Apparatus for bending axles. 1,878,665 ; Sept. 20.
Bennett, Claude W. (See Swanson, A. W., and Bennett.)
Bennett, Cleo, North Tonawanda, N. Y. Doll or similar article. Des. 86,696 ; Apr. 12.
Bennett, David D., et al. (See Galvin, Michael J., assignor.)
Bennett Day Importing Company. (See Good, Harold C., assignor.)
Bennett, Douglas T. (See Murkham, L. W., and Bennett.)
Bennett, Douglas T., Winchmore Hill, England. Preparation of photographic sound records. 1,844,880 ; Feb. 9.
Bennett, Edwin O. (See Schater, K. C., and Bennett.)
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Flexible stuffing box assembly. 1,885,046 ; Oct. 25.
Bennett, Emmett L., Cincinnati, Ohio. Oil draining device for automotive engines. 1,856,826 ; May 3.
Bennett, Floyd W., Lombard, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Inclosure for devices. 1,847,208 ; Mar. 1.
Bennett, Frank. (See Hallowell, H. T., and Bennett.)
Bennett, George A., San Francisco, Calif. Attacement for the wheels of vehicles. Des. 86,153 ; Feb. 9.
Bennett, George L., Cleveland Heights, Ohio. Sheet metal roofing. 1,861,098 ; June 7.
Bennett, George L., Cleveland Heights, Ohio. Roofing. 1,862,292 ; June 7.
Bennett, George L., Cleveland Heights, Ohio. Sheet metal roof. 1,876,597 ; Sept. 13.
Bennett, George W., Cincinnati, Ohio. Composition and process for rubber blanket printing. 1,888,109 ; Nov. 15.
Bennett, Gratten G., Los Angeles, Calif. Hay loading machine. 1,853,253 ; Apr. 12.
Bennett, Harry J., Phoenix, Ariz. Locomotive driving gear. 1,867,246 ; July 12.
Bennett, Harry T., Tulsa, Okla. Lubricant. 1,889,168 ; Nov. 29.
Bennett, Harvey S., and A. J. Schmiedeskamp, Berkeley, assignors of one-half to A. Taylor, thirty one-hundredths to H. D. Turner, and one-fifth to said Harvey S. Bennett, Oakland, Calif. Process and apparatus for dry ore separation. 1,848,151 ; Mar. 8.
Bennett, Henry E., Chicago, Ill. Support for books and the like. 1,888,287 ; Nov. 22.
Bennett, Hubert D., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,880,208 ; Oct. 4.
Bennett, Irving T. (See Phelps, G. H., and Bennett.)
Bennett, Irving T., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,873,673 ; Feb. 16.
Bennett, Irving T., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Inclosure for radiator. 1,855,965 ; Apr. 26.
Bennett, Irving T., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Heating apparatus. 1,890,667 ; Dec. 13.
Bennett, Irving T., Brooklyn, and Frank C. Reynolds, New York, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,865,427 ; July 5.
Bennett, Jess B., Ramsey, N. J. Clutch and transmission mechanism. 1,856,457 ; May 3.
Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Tassil for popping corn and the like. 1,860,799 ; May 31.
Bennett, Joseph S., assignor to American Engineering Company, Philadelphia, Pa. Side wall tube removal construction. 1,855,842 ; Apr. 26.
Bennett, Joseph S., assignor to American Engineering Company, Philadelphia, Pa. Water wall and air cooled refractory construction. 1,856,036 ; Apr. 26.
Bennett, Joseph S., assignor to American Engineering Company, Philadelphia, Pa. Air-cooled furnace wall. 1,890,364 ; Dec. 6.
Bennett-Mack Corporation. (See Mack, E. L., and Bennett, assignors.)
Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury Conn. Apparatus for testing condensers. 1,845,576 ; Feb. 16.
Bennett, Morris H., assignor to Scoville Manufacturing Company, Waterbury, Conn. Method of and apparatus for testing condensers. 1,867,131 ; July 12.
Bennett, Nicholas, Appleton, H. Dodd, Glazebrook, Manchester, W. C. Sprent, Cressington, and F. Holt, Weybridge, England, assignors to Imperial Chemical Industries Limited. Manufacture of benzyl chloride. 1,872,227 ; Aug. 16.
Bennett, Nicholas, Appleton, Widnes, H. Dodd, Glazebrook, near Manchester, and W. C. Sprent, Cressington, Liverpool, assignors to Imperial Chemical Industries Limited. Nobel House, Buckingham Gate, London, England. Manufacture and production of aromatic acid chlorides. 1,880,169 ; Sept. 27.
Bennett, Paul G., Philadelphia, Pa. Grandstand for race tracks. 1,842,239 ; Jan. 19.
Bennett, Percy H., A. W. Lyle, and M. Scanlen, Seattle, Wash. Lubricating means. 1,841,429 ; Jan. 19.
Bennett Pumps Corporation. (See Bennett, Thomas B., assignor.)

Bennett Pumps Corporation. (See McGregor, Clarence E., assignor.)

Bennett Pumps Corporation. (See Retsema, Jay, assignor.)

Bennett, Raisley B. M., La Jolla, Calif. Spring expander. 1,862,172; June 7.

Bennett, Raymond A., East Weymouth, Mass., assignor to Boothby Fibre Can Company, Boston, Mass. Apparatus for making paper cans and the like. 1,855,216; Apr. 26.

Bennett, Raymond F., Portland, Me. Laying underwater pipe and apparatus therefor. 1,852,796; Apr. 5.

Bennett, Reuel W., Indianapolis, Ind. Irodometer. 1,891,041; Dec. 13.

Bennett, Robert, and S. B. Bowman, Zanesville, Ohio, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Storing and supplying glass batches of uniform mixture. 1,867,489; July 12.

Bennett, Robert S., Glens Falls, N. Y. Holder. 1,858,130; May 10.

Bennett, Stevens A., Chicago, Ill. Can. 1,848,101; Mar. 8.

Bennett, Thomas, assignor to Kaustine Company, Inc., Perry, N. Y. Pipe connection. 1,840,430; Jan. 12.

Bennett, Thomas A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reducing garment and making the same. 1,802,040; June 7.

Bennett, Thomas B., assignor to Bennett Pumps Corporation, Muskegon, Mich. Oil pump. 1,846,046; Feb. 23.

Bennett, Thomas F., assignor to Matthiessen & Hegeler Zinc Co., La Salle, Ill. Grate bar structure for sintering machines. 1,841,081; Jan. 12.

Bennett, Thomas W., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,850,824; Mar. 22.

Bennett, Viola D., and Clark, Calvin C., assignor.)

Bennett, Waldo G., Scappoose, Oreg. Ellipsograph compass. 1,847,997; Mar. 1.

Bennett, William C. et al. (See Parrish, Richard, assignor.)

Bennett, William G., Epsom, and A. M. Peake, London, England, assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Treatment of molasses for yeast growth. 1,860,832; May 31.

Bennett, William D., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 1,849,656; Mar. 15.

Bennhold, Walter, Furstenwalde, Germany. Water gas generator. 1,886,010; Sept. 27.

Bennhold, Walter, Furstenwalde, Germany. Apparatus for producing water gas. 1,892,456; Dec. 27.

Beninger, Robert, et al., directors. (See Smiley, Alfred M., assignor.)

Beningfield, Leonard, Okmulgee, Okla. Top lift fastening for slush pump bowls. 1,872,648; Aug. 23.

Benninghoff, William G., Cleveland Heights, Ohio. Boring bar for use upon pipe coupling blanks or the like. 1,849,452; Dec. 13.

Bennis, Alfred W., Bolton, England. Turbulent burner. 1,870,164; Aug. 2.

Bennis, Alfred W., Bolton, England. Furnace grate. 1,875,213; Aug. 30.

Bennis, Alfred W., Bolton, England. Furnace grate. 1,888,110; Nov. 15.

Bennis, Alfred W., Bolton, England. Furnace grate. 1,890,210; Dec. 6.

Bennis, Alfred W., Bolton, England. Furnace grate. 1,891,211; Dec. 6.

Benoit, Arthur B., Lawrence, Mass. Strainer. 1,854,015; Apr. 12.

Benoit, Edmund L., San Jose, Calif. Ratchet lift. 1,839,528; Jan. 5.

Benoit, Joseph F., Wells, Me. Chicken feeder. 1,891,042; Dec. 13.

Benoit, Leo H., Revere, Mass., assignor to General Electric Company. Welding and cutting machine. 1,887,670; Nov. 15.

Benoit, Leon. (See Coyle, Joseph L., assignor.)

Benoit, Leon. (See Levine, Henry, assignor.)

Benoit, Leon, Chicago, Ill. Egg carton. 1,865,454; July 5.

Benoit, Leon, Chicago, Ill. Apparatus for handling eggs. 1,865,457; Aug. 2.

Benoit, Leon, Chicago, Ill. Filler for eggs and the like. 1,874,162; Aug. 30.

Benoit, Leon, and E. J. Kanabay, Chicago, Ill.; said Kanabay assignor to said Benoit. Wrapping packages. 1,889,534; Nov. 29.

Benoit, Mary L., Detroit, Mich. Bottle support. 1,841,385; Jan. 19.

Benowitz, Aaron, assignor, by mesne assignments, to Synthetic Fur Mills Corp., New York, N. Y. Manufacturing a simulating material. 1,872,389; Aug. 16.

Benz, Samuel J., assignor to Chain Saw Corporation, New York, N. Y. Chain or link belt. 1,870,165; Aug. 2.

Benzabat, Alfred. (See Rico, Gerardo G., assignor.)

Bensberg, Isabel. (See Hoover, Thomas A., assignor.)

Bensel, Duryea, Nutley, N. J. Motion picture film. 1,842,240; Jan. 19.

Bensing, Le Rue F., assignor to Lebanon Steel Foundry, Lebanon, Pa. Mold for high temperature castings. 1,886,249; Nov. 1.

Bensinger, Norman E. (See Davis, George W., assignor.)

Benson, Arthur E., Boston, Mass., assignor to Draper Corporation, Hopedale, Mass. Loom filling fork delaying mechanism. 1,844,054; Feb. 9.

Benson, Arthur L., Dundee, Angus, Scotland. Spinning and like textile frames. 1,855,437; Apr. 26.

Benson, Arthur L., Dundee, Angus, Scotland. Bobbin drag arrangement for spinning and like textile frames. 1,876,445; Sept. 6.

Benson, Bennie, Jamestown, N. Y. Extension table. 1,887,114; Nov. 8.

Benson, Bernhart A., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Latch for duplex waffle iron. 1,873,104; Aug. 23.

Benson, Clyde A., Portland, Me., assignor to Raffold Process Corporation, Andover, Mass. Paper manufacture. 1,847,291; Mar. 1.

Benson, Edward E., Woodcliff-on-Hudson, N. J. Collapsible bracket. 1,874,424; Aug. 30.

Benson, Edwin A., Oakland, Calif. Reaming and counterboring bit. 1,845,119; Feb. 16.

Benson, Edwin P., New York, N. Y. Safety paper. Des. 87,250; June 28.

Benson, Emil M., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Dry pipe exhauster. 1,861,777; June 7.

Benson, Flenner C., Hopewell, Va. Soldering iron. 1,845,475; Feb. 16.

Benson, Irving N., Melrose, Mass., assignor to Ingersoll-Rand Company, Jersey City, N. J. Carriage for spike drivers. 1,880,338; Oct. 4.

Benson, James A., Mineral Point, Wis. Aeroplane propeller. 1,846,463; Feb. 23.

Benson, Lee H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cooled electron discharge device. 1,890,310; Dec. 6.

Benson, Melvin B., Corporation. (See Benson, Melvin B., assignor.)

Benson, Melvin B., New York, assignor to Melvin B. Benson Corporation, New York, N. Y. Radio receiving and reproduction system. 1,840,013; Jan. 5.

Benson, Melvin B., assignor, by mesne assignments, to W. W. Seligsberg, New York, N. Y. Constant tension winch, variable load motor control system, and the like. 1,892,130; Dec. 27.

Benson, Thomas J., Melcher, Iowa. Wheel lock. 1,863,235; June 14.

Benson, William E., Boston, assignor to Kalix Cup Company, West Upton, Mass. Package filling machine. 1,867,998; July 19.

Benson, Willis J., and L. M. Desamais, Douglas, Ariz. Copper treating furnace. 1,859,777; May 24.

Bent, Franklin A., Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif. Removal of nitric oxide from gases. 1,888,547; Nov. 22.

Bent, George H., Battle Creek, Mich. Carrion feeding machine. 1,883,228; Oct. 18.

Bent, George H., Battle Creek, Mich. Wrapping machine. 1,883,229; Oct. 18.

Bent, Lauren A., Janesville, Wis. Sterilizer. 1,873,265; Aug. 23.

Bent, Leavitt N., Holly Oak, assignor to Hercules Powder Company, Wilmington, Del. Quick drying lacquer. 1,839,529; Jan. 5.

Bent, Leavitt N., Holly Oak, assignor to Hercules Powder Company, Wilmington, Del. Extracting resinous material from plant tissue. 1,888,025; Nov. 15.

Bent, Leavitt N., Holly Oak, assignor to Hercules Powder Company, Wilmington, Del. Recovering rosin from rosin-containing soap produced in the manufacture of paper pulp from rosin-containing wood. 1,888,581; Nov. 22.

Bente, Henry K., assignor of one-half to Martin Phillips, Sedalia, Mo. Highway guard. 1,849,167; Mar. 15.

Benthall, Edward C., and Spencer, Londdon, assignor.) Bentley, Beulah N. (See Gardner, Florinda, assignor.)

Bentley Brake Corporation. (See Bentley, Henry M., assignor.)

Bentley, Henry M., Santa Rita, N. Mex., assignor, by mesne assignments, to Bentley Brake Corporation. Shock actuator. 1,884,530; Oct. 25.

Bentley, Henry M., Santa Rita, N. Mex., assignor, by mesne assignments, to Bentley Brake Corporation. Pneumatic brake actuator. 1,884,531; Oct. 25.

Bentley & Jackson Limited. (See Nuttall, Thomas D., assignor.)

Bentley, John F., Detroit, Mich. Faucet. 1,856,458; May 3.

Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Elastic fluid turbine. 1,884,485; Nov. 1.

Bentley, Percival A., C. F. Manger, and C. H. Wainwright, Leicester, England. Circular knitting machine. 1,870,550; Aug. 9.

Bentley, Percival A., C. F. Manger, and C. H. Wainwright, Leicester, England. Knitting machine. 1,885,222; Nov. 1.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Double pole snap switch. 1,850,785; Mar. 22.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Radio toggle switch. 1,887,573; Nov. 15.

Bentley, Wray E. (See Farrar, M. G., and Bentley.)

Benton, Donald L. (See Miller, Chester D., assignor.)

Benton, Henry O., Greenville, Tex. Beehive. 1,857,709; May 10.
Benton-Dixon Company. (See Olson, Elmer T., assignor.)
Bentson, Hans J., Los Angeles, Calif., assignor to Austin Machinery Corporation, Muskegon, Mich. Trench widener. 1,858,727; May 17.
Bentz, Frank J. (See Wheeler, H. A., and Bentz.)
Bentz, Frank J., et al. (See Wheeler, H. A., assignor, and Bentz.)
Bentz, Frank J., Miami, Fla. Store front. Des. 87,615; Aug. 23.
Bentz, Frank J., Miami, Fla. Hot water storage tank. 1,849,266; Mar. 15.
Bentz, Frank J., Miami, Fla. Truck. 1,886,782; Nov. 8.
Bentz, L. E., et al. (See Wheeler, H. A., assignor, and Bentz.)
Bentz, Michael L., Dillsburg, Pa. Window shade bracket. 1,850,491; Apr. 5.
Benz, Henry J., Racine, Wis. Flowerpot support and irrigating device. 1,879,784; Sept. 27.
Benz, William A., Farnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Extrusion apparatus. 1,841,396; Jan. 19.
Benze, John W., Ashtabula, Ohio. Card table top. Des. 86,510; Mar. 15.
Benzee, Karl A., Toledo, Ohio. Curtain roller. 1,856,742; May 3.
Benzee, Karl A., assignor of one-half to B. A. Keeler, Toledo, Ohio. Locking mechanism for doors. 1,871,442; Aug. 16.
Benziger Brothers. (See Hirschmann, William F., assignor.)
Ber, George J., Rayne, La. Soft collar holder. 1,880,168; Sept. 27.
Beran, Charles F., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Apparatus for carrying out chemical reactions. 1,854,732; Apr. 19.
Beran, Charles F., Tuckahoe, N. Y., assignor to Celanese Corporation of America. Heat exchanger. 1,884,532; Oct. 25.
Berbeck, Trian, Baltimore, Md. Airplane. 1,850,786; Mar. 22.
Berbeck, Trian, Baltimore, Md. Airfoil. 1,850,954; Mar. 22.
Berbcka, Karol, Lwow, Poland. Apparatus for the grading of flour. 1,846,783; Feb. 23.
Berby, Ola L. (See McGiffert, J. R., and Berby.)
Berchtold, Frank J., and L. Cleven, Washington, D. C. Furnace heat control. Nov. 1.
Berck, Arthur S., Hastings, Nebr. Hydraulic valve lifter. 1,855,508; Apr. 26.
Berdan, Jacob A., Port Huron, Mich. Windshield wiper attachment. 1,888,370; Nov. 22.
Berdon, Albert E., East Orange, N. J. Clothes rack. 1,857,617; May 10.
Berdon, Albert E., East Orange, N. J., assignor to A C Spark Plug Company, Flint, Mich. Liquid fuel feeding system. 1,888,615; Nov. 22.
Berenbaum, Preston C., Lakewood, Ohio. Universal joint. 1,859,426; May 24.
Berenbruch, Albert, Neurossen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for carrying out exothermic catalytic gas reactions. 1,869,736; Aug. 2.
Berendsen, Rudolf, Elberfeld-Sonnborn, and F. Mietzsch, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Double compounds of diphenol lactins and quinoline or isoquinoline bases. 1,861,904; June 7.
Berenstein, Frank, assignor to Panco Rubber Company, Chelsea, Mass. Making rubber heels. 1,897,132; July 12.
Berenyi, Ludwig. (See Herzog, R. O., and Berenyi.)
Berg, Albert W., New York, N. Y. Transferring and transporting apparatus. 1,883,493; Oct. 18.
Berg, Alfred J., Portsmouth, N. H., assignor of one-third to P. F. Foster, U. S. N., and one-third to J. O. Huse, Baltimore, Md. Apparatus for securing metal fins to tubes or cylinders. 1,863,553; June 14.
Berg, Alfred J., Portsmouth, N. H., assignor of one-third to P. F. Foster, U. S. N., and one-third to J. O. Huse, Baltimore, Md. Apparatus for securing metal fins to tubes or cylinders. 1,863,553; June 14.
Berg, Charles C., assignor of one-half to M. E. Murray, Detroit, Mich. Increasing the efficiency of gas burners. 1,861,733; June 7.
Berg, Charles, and C. F. Cookson, Lyndhurst, N. J., assignors to Counter Cooking Machine Corporation, New York, N. Y. Coffee machine. 1,863,710; June 21.
Berg, Christy L., St. Louis, Mo. Lowering and handling apparatus for burial vaults. 1,855,469; Apr. 26.
Berg, Didley, Hellerup, near Copenhagen, Denmark. Non-dazzling headlight for automobiles and the like. 1,887,574; Nov. 15.
Berg, Erdman V., Fraser, Mich. Jewelry tray. 1,872,649; Aug. 23.
Berg, Frederick A., and W. W. Harper, Chicago, Ill. Photo-electric tube. 1,889,451; Nov. 29.
Berg, Gladys, Chicago, Ill. Cantilever device. 1,854,893; Apr. 19.
Berg, John T., Pequannock, N. J. Folding ironing board. 1,890,448; Dec. 13.
Berg, Joseph, Duluth, Minn. Collapsible receptacle. 1,848,929; Mar. 8.
Berg, Magnus, Cushing, Okla. Boom attachment for tractors. 1,855,217; Apr. 26.
Berg, Mathilde C., Washington, D. C. Collapsible shoe bag. 1,847,066; Mar. 1.
Berg, Morris F., Los Angeles, Calif. Latch for baling press doors. 1,856,531; May 3.
Berg, Wilhelm, Beilefeld, Germany. Multiple-spindle automatic lathe. 1,850,681; Oct. 4.
Bergamo, Joseph. (See White, Frank B., assignor.)
Bergandi, Frank, Los Angeles, Calif. Wire bending machine. 1,852,396; Apr. 5.
Bergaud, Félicie E. A. W., Paris, France. Fancy bottle. Des. 88,067; Oct. 25.
Bergaud, Félicie E. A. W., Paris, France. Box. Des. 88,068; Oct. 25.
Bergaud, Félicie E. A. W., Paris, France. Medallion for containers, stoppers and the like. Des. 88,069; Oct. 25.
Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,860,447; May 31.
Berge, Joseph, Montclair, N. J. Fastener. 1,887,616; Nov. 15.
Berge, Joseph, Montclair, assignor to National Lock Washer Company, Newark, N. J. Spring washer. 1,876,834; Sept. 13.
Berge, Joseph, Montclair, assignor to National Lock Washer Company, Newark, N. J. Spring washer. 1,876,835; Sept. 13.
Berge, Joseph, Montclair, assignor to National Lock Washer Company, Newark, N. J. Helical lock washer for straight counterbores. 1,876,836; Sept. 13.
Bergé, Jullen, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Centrifugal method for treating sugars of all kinds. 1,839,733; Jan. 5.
Bergen Building Block Company. (See Parker, Henry C., assignor.)
Bergen, Gustav, F. Engelhardt, and R. Steckhan, assignors to "Mag" Muhlenbau und Industrie Aktiengesellschaft, Brunswick, Germany. Manufacturing white Portland cement, etc. 1,869,418; July 26.
Bergen Point Iron Works. (See Massa, William J., assignor.)
Bergen Point Iron Works. (See Smith, Augustus, assignor.)
Bergen, Ruben S., Scandinavia, assignor to Plant Food Appliance Company, Waupaca, Wis. Hand fertilizer applier. 1,874,425; Aug. 30.
Bergen, William V., Hillsboro, and A. C. Shute, assignors to Niterday Sign Co., Portland, Oreg. Reflector and fastening therefor. 1,891,138; Dec. 13.
Berger, Aloysius N., and P. Seel, Altoona, Pa. Securing device for vehicles. 1,850,563; Mar 31.
Berger, Augusta M., Brooklyn, N. Y. Shoe lace fastener. 1,876,505; Sept. 6.
Berger Brothers Company. (See Kumpf, August D., assignor.)
Berger Brothers Company, The. (See Versoy, Irving R., assignor.)
Berger, David, Philadelphia, Pa. Smoker's appliance. 1,864,400; June 21.
Berger, Emerick, Bridgeport, Conn. Vernier scale guard mounting device. 1,888,305; Nov. 22.
Berger, Emil, Salzburg, Austria. Swimming device with automatic gas filling. 1,879,726; Sept. 27.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Hosiery. Des. 86,349; Mar. 1.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Knitted fabric. 1,841,701; Jan. 19.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Yarn moistening and tenioning device. 1,843,078; Jan. 26.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Form for drying hosiery and the like. 1,858,858; May 17.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Yarn moistening device. 1,883,494; Oct. 18.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills Lansdale, Pa., Garter top stocking. 1,883,495; Oct. 18.
Berger, Friedrich W. F., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,864,228; June 21.
Berger, George. (See Angell, Edward C., assignor.)
Berger, George P., Belleville, N. J. Paint strainer. 1,852,873; Apr. 5.
Berger, Henry L., Asbeville, La. Calculating machine attachment. 1,865,553; July 5.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,843,197; Feb. 2.
Berger, Knute, Seattle, Wash. Hoisting and conveying apparatus. 1,850,440; Mar. 22.
Berger, Louis A., assignor of A. Banning trustee, Chicago, Ill. Ceiling. 1,878,812; Sept. 20.
Berger, Martin, Dresden-Freital, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Cutting device for cigarette strand machines. 1,852,397; Apr. 5.
Berger, Max, assignor to the Firm Carl Zeiss, Jena, Germany. Microscope stand. 1,892,131; Dec. 27.
Berger, Samuel I., Newark, N. J. Toy. 1,855,702; Apr. 26.
Berger, Samuel I., Newark, N. J. Toy tank. 1,871,297; Aug. 9.

Berger, Sol, Brooklyn, N. Y. Combination tissue container. 1,889,012; Nov. 29.
Berger, Waldemar, Frankfort-on-the-Main-Hochst, assignor to G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Device for measuring liquids. 1,872,650; Aug. 23.
Bergersen, Ole B., New York, N. Y. Preparing circular letters. 1,845,120; Feb. 16.
Bergfeld, Emil, Oberhausen, Germany. Automatic indicating target. 1,847,465; Mar. 1.
Berggren, Eric N., assignor, by mesne assignments, to Chicago Cutting Die Company, Chicago, Ill. Spray gun. 1,852,271; Oct. 11
Berggren, John L., Denver, Colo. Sign. 1,853,399; Apr. 12.
Berggren, Karl J., Spokane, Wash. Hinge. 1,874,426; Aug. 30.
Bergh, Edwin H., Sterling, Ill. Musical instrument. 1,841,397; Jan. 19.
Bergh, Edwin H., Sterling, assignor to Gamble Hinged Music Co., Chicago, Ill. Practice violin. 1,841,398; Jan. 19.
Bergh, Emil M., Crockett, Calif. Control for evaporating apparatus. 1,849,267; Mar. 15.
Bergh, Johan A., and F. W. Turner, Northfield, Minn. Direction signal switch. 1,840,073; Jan. 5.
Berghausen, Alfred, assignor to E. Berghausen Chemical Co., Cincinnati, Ohio. Foam stabilizer for fire extinguishers. 1,848,042; Mar. 1.
Berghausen, E., Chemical Co. (See Berghausen, Alfred, assignor.)
Bergius, Friedrich, F. Koch, and E. Faerber, assignors to the Firm Holzhydrolyse Aktiengesellschaft, Heidelberg, Germany. Consolidated lignin and producing the same. 1,890,464; Dec. 13.
Bergl, Klemens. (See Dietrich, W., and Bergl.)
Bergland, Einar G., Richmond Hill, N. Y. Automobile bed. 1,853,032; Apr. 12.
Berglund, Sven A. son, Berlin-Lankwitz, Germany, assignor to N. V. Kuchenmeisters Internationale Maatschappij Voor Sprekende Films, Amsterdam, Netherlands. Method of and apparatus for making photophonograms. 1,889,627; Nov. 29.
Bergman, Henry J., Peoria, Ill. Mower guard and knife. 1,865,738; July 5.
Bergman, Jerome E., Buffalo, and F. P. Ego, Kenmore, assignors to Bergman Tool Mfg. Co., Buffalo, N. Y. Battery tool. 1,880,172; Sept. 27.
Bergman Tool Mfg. Co. (See Bergman, J. E., and Ego, assignors.)
Bergman, Charles H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Program service system. 1,873,813; Aug. 23.
Bergman, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Receptacle filling apparatus. 1,861,734; June 7.
Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Plunger valve for receptacle filling apparatus. 1,872,103; Aug. 16.
Bergmann, Jean. (See Martin, Rudolf, assignor.)
Bergmann, Jean, Berlin Germany. Calculating machine. 1,883,853; Oct. 18.
Bergmann Packaging Machine Company. (See Bergmann, Christian N., assignor.)
Bergmann, Reinhard, West Allis, assignor to Harnischfeger Corporation, Milwaukee, Wis. Container hoist. 1,865,739; July 5.
Bergner, John C., Lansdowne, Pa., assignor to Doughnut Machine Corporation, New York, N. Y. Ailment forming device. 1,849,031; Mar. 8.
Bergquist, Carl, New York, N. Y., assignor to International Patents Development Company, Wilmington, Del. Modified starches and making same. 1,851,749; Mar. 29.
Bergquist, Carl, New York, N. Y., assignor to International Patents Development Company, Wilmington, Del. Thin boiling starch and making same. 1,871,027; Aug. 9.
Bergquist, John A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Railway signal with electrical disengaging relays. 1,846,979; Feb. 23.
Bergren, Lloyd R., assignor to The Louden Machinery Company, Fairfield, Iowa. Hanger for rails. 1,846,178; Feb. 23.
Bergsjaad, Karl, Brooklyn, N. Y. Stuffing box. 1,892,377; Dec. 27.
Bergstedt, Sakrie R., Duluth, Minn. Fish lure. 1,861,905; June 7.
Bergstein, Milton, assignor of one-half to Radio Patents Corporation, New York, N. Y. Train indicator system. 1,849,019; Jan. 5.
Bergstein, Paul, Cincinnati, Ohio. Machine and process for making paper boxes or the like. 1,868,871; July 26.
Bergstein, Samuel, assignor, to The Interstate Folding Box Company, Middletown, Ohio. Joining materials together or the like. 1,847,998; Mar. 1.
Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Machine for making paper boxes or the like. 1,864,632; June 28.
Bergstein, Samuel, Middletown, Ohio. Paper box making machine. 1,868,872; July 26.
Bergstein, Samuel, Cincinnati, Ohio. Machine for opening cartons or trays. 1,868,873; July 26.
Bergsten, Frank R., Anoka, Minn. Cow-tail holder. 1,879,043; Sept. 27.
Bergstrand, Frank O., Worcester, Mass. Coasting attachment for shoes. 1,866,006; July 5.
Bergstrand, Frank O., Worcester, Mass. Mechanical toy. 1,867,052; July 12.
Bergstresser, Edwin L. (See Torok, J., and Bergstresser.)
Bergstrom, Carl A. (See Wickstrom, Alfred, assignor.)
Bergstrom, Nathan H., Neenah, Wis. Pulp distributor 1,847,426; Mar. 1.
Bergstrom, William A., assignor to Nanfeldt Corporation, Ltd., Los Angeles, Calif. Self locking nut. 1,861,833; June 7.
Berguerand, Lucien, Stolberg, Germany, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for regulating the density of fluids containing solid particles. 1,843,198; Feb. 2.
Bergval, Royal C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage-stabilizing means for direct-current generators. 1,872,163; Aug. 16.
Bergwall, Ernst, Varnamo, Sweden. Lawn mower. 1,856,233; May 3.
Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Step down drive gear. 1,848,988; Mar. 8.
Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Clutch mechanism for synchronizing transmission. 1,849,032; Mar. 8.
Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Change speed transmission mechanism for motor vehicles. 1,856,275; May 3.
Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Clutch. 1,875,696; Sept. 6.
Beringer, Roscoe, and E. W., Seabolm, assignors to General Motors Corporation, Detroit, Mich. Overgear transmission. 1,883,869; Oct. 25.
Berkander, George F. (See Biber, Mary E., assignor.)
Berke, Peter L. (See Hedworth, Frederic C, assignor.)
Berkeley, Byron H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,841,519; Jan. 19.
Berkley, Laurence J., Cleveland, Ohio. Carburetor. 1,858,573; May 17.
Berkenhoff & Drebes Aktiengesellschaft. (See Diehl, Johannes F. assignor.)
Berkey, Hugh S., assignor of one-fourth to A. L. Segelhorst, Huntington Beach, Calif. Combination pump and gas lift. 1,861,736; June 7.
Berkley, Clarence E. (See Weld, L. M., Obler, and Berkley.)
Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Tool for lifting and compressing springs. 1,846,469; Feb. 23.
Berkowitz, Eugene M., Kansas City, Mo. Savings bank envelope. 1,872,651; Aug. 23.
Berkowitz, Hyman C., assignor to Ben-Burk, Incorporated, Boston, Mass. Bottle or similar article. Des. 88,745; Dec. 27.
Berkshire Knitting Mills. (See Hemmerich, Hugo, assignor.)
Berkshire Knitting Mills. (See Ischinger, Alfred E., assignor.)
Berkshire Knitting Mills. (See Schmidt, Paul, assignor.)
Berkshire Knitting Mills. (See Zwicky, Melchior, assignor.)
Berl, Ernst, Darmstadt, Germany. Manufacture of activated carbon. 1,851,888; Mar. 29.
Berlein, Milton W., New York, N. Y. Pillow cover or the like. Des. 88,070; Oct. 25.
Berlein, Milton W., New York, N. Y. Pillow cover or the like. Des. 88,206; Nov. 1.
Berliawsky, Hyman, Baltimore, Md. Automobile shade. 1,845,577; Feb. 16.
Berliet, Marius, assignor to Societe Anonyme; Automobiles M. Berliet, Venissieux, France. Nonslipping device for the wheels of motor vehicles. 1,842,742; Jan. 26.
Berliet, Marius, assignor to Societe Anonyme des Automobiles M. Berliet, Lyon, France. Spare wheel for motor vehicles. 1,846,580; Feb. 23.
Berliet, Marius, assignor to Societe Anonyme des Automobiles, M. Berliet, Lyon, France. Operation of motor vehicles. 1,879,044; Sept. 27.
Berlin, David W., Rasunda, Sweden. Peat fuels and the like. 1,887,671; Nov. 15.
Berlin, Frederick A., Washington, D. C., assignor to American Chemical Company. Varied temperature refrigerator. 1,862,252; June 7.
Berlin, Henry, New York, N. Y., assignor to International Patents Development Company, Wilmington, Del. Treatment of corn gluten. 1,888,785; Nov. 22.
Berlin, John, et al. (See Navarro, Richard A., assignor.)
Berlin-Karlsruher Industrie-Werke A. G. (See Lampart, Hugo, assignor.)
Berlin, Ludwig W. (See Krämzlein, G., Müller, and Berlin.)
Berlin, Maurice H., C. E. Barber, and C. D. Wilt, Chicago, Ill.; said Barber and said Wilt assignors to said Berlin. Accordion case. 1,881,396; Oct. 4.
Berliner, Robert. (See Mieg, W., and Berliner.)

Berliner, Robert. (See Schmidt, R. E., and Berliner.)
Berliner, Robert, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone acridone series. 1,851,082; Mar. 29.
Berliner, Robert, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs of the anthraquinone series. 1,857,232; May 10.
Berliner, Rudolph, Los Angeles, Calif. Combined table and rack. Des. 86,760; Apr. 19.
Berman, Barry, Brooklyn, N. Y. Baby carriage. 1,870,983; Aug. 9.
Berman, Louis, New York, N. Y. Parathyroid extraction. 1,854,502; Apr. 19.
Berman, Louis, New York, N. Y. Preparing parathyrin. 1,865,164; June 28.
Berman, Morris, Brooklyn, N. Y. Ventilating fan. Re18,489; June 7.
Berman, Morris, Brooklyn, N. Y. Stress determining scale. 1,880,683; Oct. 4.
Berman, Oscar A., assignor to Morris & Company, Inc., Baltimore, Md. Uniform dress. 1,885,047; Oct. 25.
Berman, Oscar N., Forest Hills, assignor to Standard Devices, Inc., New York, N. Y. Pocket cigar lighter. 1,886,461; Nov. 8.
Berman, Paul, Philadelphia, Pa., assignor to Koelmer Brothers. Christmas tree holder. 1,848,556; Mar. 8.
Berman, Phoebus, Los Angeles, Calif. Bottle nozzle. 1,843,347; Feb. 9.
Berman, Phoebus, Los Angeles, Calif. Nozzle for aseptic discharge of liquids. 1,885,218; Nov. 1.
Bernan, Rita, New York, N. Y. Bed desk. Des. 88,746; Dec. 27.
Bern, Frank, Cleveland, Ohio. Mask member for photographing lighting devices. Des. 85,972; Jan. 12.
Bern, Harry A., Chicago, Ill. Thermostatic mixing valve. 1,862,564; June 14.
Bernard, Raoul, assignor to Societe d'Etudes et de Construction d'Appareils de Telemecanique, Neuilly, France. Electromagnetically controlled reversing gear. 1,858,450; May 24.
Bernard, Charles E., Beaverton, Oreg. Hay press discharge apparatus. 1,863,648; June 21.
Bernard, Hans, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Paint. 1,879,045; Sept. 27.
Bernardez, Manuel. (See Vasquez, J., and Bernardez.)
Bernardin Bottle Cap Company. (See Spahn, August C., assignor.)
Bernat, Frank, Hammond, Ind. Garment hanger. Des. 87,707; Sept. 6.
Bernat, Raoul, Bordeaux, France. Compressor. 1,856,019; Apr. 26.
Bernát, Samuel, Uzhorod, Czechoslovakia. Silencer. 1,854,974; Apr. 19.
Bernau, Frederick W., Hillside, assignor to Ellis Adding Typewriter Company, Orkwood, N. J. Carriage control of ribbon shift mechanisms. 1,875,913; Sept. 6.
Berne, Celestin, Bridgeport, Conn., assignor of one-half to M. Daniells, Milford, Conn. Detachable spring hinge. 1,863,323; June 14.
Berne, James P. (See Shields, George F., assignor.)
Bernemann, Bruno, Milwaukee, assignor to the Firm Vereinigte Schuhfabriken Berneis-Wessels A.-G., Augsburg-Oberhausen, Germany. Turn camelhair shoe with felt and leather sole and with solid heel counter. 1,842,064; Jan. 19.
Berner, Leo, South Milwaukee, and P. Lohr, Milwaukee, Wis. Combustion engine. 1,877,760; Sept. 20.
Berner, Otto, New York, N. Y. Composite thread restoring tool. 1,889,013; Nov. 29.
Bernert, George, Milwaukee, Wis. Pneumatic conveying apparatus. 1,860,127; May 24.
Berney, John L., assignor to E. R. Hawke, Modesto, Calif. Atomizer attachment for airplane engine exhausts. 1,892,132; Dec. 27.
Bernfeld, Maurice M., St. Paul, Minn., assignor, by mesne assignments, to himself and Clarence C. Mashovitz, New York. Splitting wood. 1,870,190; Aug. 2.
Bernhard, Benjamin S., Boston, Mass. Door closer and check. 1,840,558; Jan. 12.
Bernhard, Fritz, Frankfort-on-the-Main, and V. Hilcken, Gersthofen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Distillation of crude turpentine. 1,860,126; May 24.
Bernhard, Fred, New York, N. Y. Vacuum cleaner. 1,870,887; Aug. 9.
Bernhard, Heinrich. (See Straub, F., Schneider, and Bernhard.)
Bernhard, Joseph, assignor to Consolidated Trimming Corporation, New York, N. Y. Display card. Des. 86,993; Dec. 24.
Bernhauer, Konrad, and L. Schulhof, Prague, Czechoslovakia, assignors to Charles Pfizer & Company, of New York, N. Y. Gluconic acid. 1,849,053; Mar. 15.
Bernhelm, Georges, Paris, France. Apparatus for the comparison and measurement of luminosity. 1,849,607; Mar. 15.
Bernier, George. (See St. Marie, U., and Bernier.)
Bernier, Henri, Oakland, assignor to California Packing Corporation, San Francisco, Calif. Method of and apparatus for scrubbing vegetables. 1,889,189; Nov. 29.
Bernier, Henry. (See Dufault, Homer D., assignor.)
Bernier, Henry, et al. (See Dufault, Homer D., assignor.)
Bernier, Hiram. (See Dufault, Homer D., assignor.)
Bernier, Hiram, et al. (See Dufault, Homer D., assignor.)
Bernier, Joseph J., Cambridge, Mass. Finger ring. 1,855,331; Apr. 26.
Bernitz, Ernest, jr., La Mesa, Calif. Utility device 1849,538; Mar. 15.
Bernitz Furnace Appliance Company. (See Nygaard, Oscar, assignor.)
Bernitz Furnace Appliance Company. (See Nygaard, O., and Smith, assignors.)
Bernitz Furnace Appliance Company. (See Smith, Arthur E., assignor.)
Bernitz Furnace Appliance Company. (See Smith, Arthur E., and Snow, assignors.)
Bernlöhr, Eugen, Dolnu/Halle, Germany. Machine for dividing and working dough. 1,864,401; June 21.
Berno, Karl E., Detroit, Mich. Clock frame. Des. 86,940; Dec. 6.
Bernotow, Dominick M., assignor to Bunte Brothers, Chicago, Ill. Handling candy goods. 1,891,908; Dec. 27.
Bernstein, Edward, New York, N. Y. Combined heating and cooking stove. 1,870,600; Aug. 9.
Bernstein, Edward A., Brooklyn, N. Y. Advertising display apparatus. 1,851,905; Oct. 11.
Bernstein, Emil, Kosice, Czechoslovakia. Sign holder. 1,873,178; Aug. 23.
Bernstein, Joseph, Chicago, Ill. Guard for gas stoves. 1,891,078; Dec. 13.
Bernstein, Joseph L. (See Bloom, M. B., and Bernstein.)
Bernstein, Julius, assignor to B. B. Box Company, Chicago, Ill. Carton or similar container. Des. 87,044; May 31.
Bernstein, Phillip G. (See Seavers, H. L., and Bernstein.)
Bernstein, Samuel S., Beverly Hills, Calif. Connection for webbed bottom seats. 1,888,582; Nov. 22.
Bernstein, Sarah B., Washington, D. C. Handkerchief. 1,874,564; Aug. 30.
Bernstein, Sarah E., Washington, D. C. Tent construction. 1,892,378; Dec. 27.
Berntson, Arthur J., and C. J. Zimmerman, Salt Lake City, Utah. Pliers. 1,843,314; Feb. 2.
Berntson, Arthur H., and C. J. Zimmerman, Salt Lake City, Utah. Ear tag. 1,861,000; May 29.
Berray, Kenneth E. (See Illig, G. D., Roberts, and Berray.)
Berres, Karl. (See Weiler, M., and Berres.)
Berrian, John A., Dade City, Fla., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical controlling apparatus. 1,861,064; May 31.
Berrigan, John B., administrator. (See Berrigan, John B. and J. J.)
Berrigan, John B., and J. J. Berrigan, deceased; John B. Berrigan, administrator, Oak Park, Ill., assignors to The Press & Drier Co. Settling and filtering means for sludge. 1,859,930; Jan. 12.
Berrigan, John B., Oak Park, and J. Harrington, Riverside, assignors to The Press & Drier Co., Chicago, Ill. Sludge drier. 1,851,906; Mar. 29.
Berrigan, John J. (See Berrigan, John B. and J. J.)
Berry Aircraft, Ltd. (See Berry, Glenn A., assignor.)
Berry, Benjamin F., assignor to Berry Machine Company, St. Louis, Mo. Starting and stopping device. 1,865,814; July 5.
Berry, Bert C., Moline, Ill. Corn serving dish. Des. 86,948; May 17.
Berry, Charles F., Boston, Mass. Cupboard for kitchenettes. 1,882,540; Oct. 11.
Berry Dental Laboratory Co. (See Schwartz, Jacob C., assignor.)
Berry, Earl E. (See Aldrich, A., and Berry.)
Berry, Earl E. (See Stange, S. A., and Berry.)
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Wire vibrator. 1,841,702; Jan. 19.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Apparatus for handling rolls. 1,870,224; Aug. 9.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper winding apparatus. 1,870,225; Aug. 9.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper machine. 1,880,685; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper making machine and making web material. 1,880,686; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Press felt suction roll. 1,880,687; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper making machine. 1,880,688; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Press roll gearing. 1,880,689; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Press roll gearing differential. 1,880,690; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper making machine and making paper. 1,880,691; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Method of and apparatus for making paper. 1,880,692; Oct. 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Delivering stock for web forming. 1,889,819; Dec. 6.
Berry, Edgar H., Harpers Ferry, W. Va. Container closure and applying the same. 1,866,920; July 12.

Berry, Eugene G., and H. G. Woodhead, assignors to B. F. Gump Co., Chicago, Ill. Coffee mill. 1,880,684; Oct. 4.

Berry, Frank C., Downey, Calif. Hay press. 1,887,537; Nov. 15.

Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Heater. 1,844,457; Feb. 9.

Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Power brake mechanism. 1,846,061; Feb. 23.

Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum brake operating mechanism. 1,865,315; July 5.

Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Friction servo brake. 1,865,316; July 5.

Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum brake. 1,865,317; July 5.

Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum servo brake. 1,872,390; Aug. 16.

Berry, George W., Santa Paula, Calif. Rind removing machine. 1,878,457; Sept. 20.

Berry, Glenn A., assignor to Berry Aircraft, Ltd., San Francisco, Calif. Airplane. 1,854,365; Apr. 19.

Berry, Guy E., assignor to L. B. Hamel Leather Co., Haverhill, Mass. Tack-removing device for skin drying holders. 1,857,834; May 10.

Berry, Harold O. (See White, F. E., Berry, and Bradbury.)

Berry, Harold O., Gardner, Mass., and W. T. Bradbury, Kankakee, Ill., assignors to Florence Stove Company, Gardner, Mass. Valve stand for liquid fuel burners. Des. 88,495; Dec. 6.

Berry, Harold O., and F. E. White, assignors to Florence Stove Company, Gardner, Mass. Combined liquid fuel reservoir and bowl. Des. 88,497; Dec. 6.

Berry, Herbert C., assignor, by mesne assignments, to National Supply Company, Minneapolis, Minn. Tackle box. 1,859,228; May 17.

Berry, Herbert H., London, England. Electric imitation fire. 1,851,889; Mar. 29.

Berry, James W., Marine City, Mich., and R. McKnight, Sarnia, Ontario, Canada. Switch throwing means. 1,864,117; June 21.

Berry, John F., Lewis, Iowa. Variable pitch propeller for airplanes. 1,840,148; Jan. 5.

Berry Machine Company. (See Berry, Benjamin F., assignor.)

Berry, Norman H. (See Lowry, John D., assignor.)

Berry, Otto C., Flint, Mich. Piston for internal combustion engines. 1,865,299; June 28.

Berry, Otto C., Flint, assignor to General Motors Company, Detroit, Mich. Combustion chamber for internal combustion engines. 1,861,045; May 31.

Berry, Otto C., Indianapolis, Ind. Piston. 1,877,490; Sept. 13.

Berry, Simon, Seattle, Wash. Machine for molding blocks. 1,882,205; Oct. 11.

Berry, William, Passaic, N. J. Clip for tentering machines and the like. 1,890,449; Dec. 13.

Berryman, Harry H., Elmhurst, Ill. Transmission clutch. 1,868,965; July 26.

Berryman, Marsden L., deceased, Joliet, Ill., George Walters, administrator. Bubble cap for oil distilling apparatus. 1,865,818; July 5.

Bersie, Hugh G., Wilmette, Ill., assignor to Haskelite Manufacturing Corporation. Evaporating fumigants. 1,861,786; June 7.

Bersot, Sam, New York. N. Y. Combination floor and scale construction. 1,883,496; Oct. 18.

Berssenbrugge, William, Whitefish Bay, Wis. Applying corner-irons to tables. 1,851,614; Mar. 29.

Berssenbrugge, William H., Milwaukee, Wis. Folding table. 1,888,651; Nov. 22.

Berst-Forester-Dixfield Company. (See Begle, Ned G., assignor.)

Bersted Manufacturing Company. (See Bersted, Martin, assignor.)

Bersted, Martin, Oak Park, assignor to Bersted Manufacturing Company, Chicago, Ill. Toaster. 1,852,398; Apr. 5.

Bersted, Martin C., San Diego, Calif. Self-aligning terminal socket. 1,847,085; Mar. 1.

Berta, Alexander, Port Colborne, Ontario, Canada. Collapsible or extensible table. 1,852,914; Apr. 5.

Bertandeau, Gaston, assignor to Societe Stac-Nord, Paris, France. Apparatus for the manufacture of objects consisting of agglomerated substances by centrifugal force. 1,857,233; May 10.

Bertaut, Paul A., Eau Gallie, Fla. Gasoline tank protector. 1,858,799; May 17.

Bertel, Rudolf, Vienna, Austria. Manufacture of dry yeast. 1,859,250; May 17.

Bertell, Paul, Kenmore, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Bracket and means of attaching same to a cloth covered member. 1,853,254; Apr. 12.

Bertels, William R., Wilkes-Barre, Pa. Cover for containers. 1,861,377; May 31.

Berthet, Jean L., and G. Michel, San Sebastian, Spain, assignors to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz Société Anonyme Francaise, Montrouge, France. Liquid meter. 1,893,133. July 19.

Berthold, Erich. (See Kunz, M. A., Koeberle, and Berthold.)

Berthold, Erich. (See Kunz, M. A., Kraenzlein, Koeberle, Coreli, Berthold, and Vollmann.)

Berthold, Hans, Berlin-Tegel, assignor to G. R. Paslen, Berlin, Germany. Electric liquid heater. 1,854,880; Apr. 19.

Berthold, Hermann, and P. Rabe, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc. Dyeing acetate silk. 1,855,278; Apr. 26.

Berthold, Rudolf G. (See Rudenberg, R., Berthold, Donat, and Espe.)

Berthold, Rudolf G., Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube. 1,839,863; Jan. 5.

Berthold, Rudolf G., Berlin-Siemenestadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Control method and apparatus. 1,870,888; Aug. 9.

Berthold, Rudolf G., Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Space current device. 1,871,443; Aug. 16.

Berthon, Rodolphe, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Film for color cinematography. 1,843,595; Feb. 2.

Berthon, Rodolphe, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Film goffering machine. 1,844,418; Feb. 9.

Berthon, Rodolphe, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Selector filter for color photography. 1,849,473; Mar. 15.

Berthon, Rodolphe, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Diaphragm for optical systems. 1,857,132; May 10.

Berthon, Rodolphe, Neuilly, France, assignor to Kislyn Corporation, New York, N. Y. Apparatus for photography and cinematography in natural colors. 1,863,739; June 21.

Bertomeu, Salvador, New York. N. Y. Remote control. 1,880,693; Oct. 4.

Bertoncini, Michele, Milwaukee, and W. Blatter, Shorewood; said Blatter assignor to M. Angeli, Milwaukee, Wis. Cigarette container. Des. 87,099; June 7.

Bertram, Clarence C., assignor to Barco Manufacturing Company, Chicago, Ill. Reversing gear mechanism. 1,859,909; May 24.

Bertram, Clarence C., assignor to Barco Manufacturing Company, Chicago, Ill. Reversing gear mechanism. 1,862,173; June 7.

Bertram, Clarence C., assignor to Barco Manufacturing Company, Chicago, Ill. Reversing gear mechanism. 1,885,173; Nov. 1.

Bertram, Frank, Roslindale, Mass. Fireplace screen. 1,860,566; May 31.

Bertram, Benjamin H. and J. A., Los Angeles, Calif. Preparing holes for concrete footings. 1,854,823; Apr. 19.

Bertran, Josie A. (See Bertran, Benjamin E. and J. A.)

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on soles or other parts of shoes. 1,840,359; Jan. 12.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Treadle mechanism. 1,853,435; Apr. 12.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buffing machine. 1,856,170; May 3.

Bertsch, Heinrich, assignor to H. Th. Bohme Aktiengesellschaft, Chemnitz, Germany. Fat cleavage. 1,840,349; Jan. 12.

Bertsch, Heinrich, assignor to H. Th. Bohme A. G., Chemnitz, Germany. Chemical compound for textile finishing processes and the like. 1,848,819; Mar. 8.

Bertsch, Heinrich, assignor to H. Th. Bohme Aktiengesellschaft, Chemnitz, Germany. Increasing the wetting and penetrating capacity of treatment liquids. 1,856,020; Apr. 26.

Bertsch, Heinrich, assignor to H. Th. Bohme Aktiengesellschaft, Chemnitz, Germany. Textile treatment liquid. 1,868,376; July 26.

Bertsch, Heinrich, assignor to H. Th. Bohme A. G., Chemnitz, Germany. Rendering higher alcohols soluble. 1,881,347; Oct. 4.

Bertsch, Heinrich, assignor to H. Th. Bohme Aktiengesellschaft, Chemnitz, Germany. Textile treatment liquid. 1,856,020; Oct. 4.

Bertsch, Heinrich, assignor to H. Th. Böhme A. G., Chemnitz, Germany. Wetting agent. 1,883,860; Oct. 25.

Bertsch, Heinrich, assignor to H. Th. Böhme A.-G., Chemnitz, Germany. Improving the efficiency of refining baths of the textile art, the refining bath, and the process of refining textile material. 1,890,492; Dec. 13.

Bertsch, Johann A. (See Jaeger, A. O., and Bertsch.)

Bertsche, Ralph, jr., assignor to Delco-Remy Corporation, Anderson, Ind. Engine starter. 1,869,088; July 26.

Bertsch, Johann A., St. Louis, Mo., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Treatment of rubber. 1,889,327; Nov. 29.

Berwick, Frederick W. (See Quick, W., Thomas, and Berwick.)
Berwind Fuel Company of Delaware. (See Komarek, Gustav, assignor.)
Berwind-White Coal Mining Company, The. (See Newbaker, Edward J., assignor.)
Beryllium Development Corporation. (See Claflin, Harry C., assignor.)
Beryllium Development Company. (See Smith, Joseph K., assignor.)
Berzon, Louis, assignor to Philadelphia Ice Cream Cone Machinery Company, Philadelphia, Pa. Disher. 1,847,328; Mar. 1.
Besch, Ernst, assignor to Luftschiffbau Zeppelin Gesellschaft beschränkter Haftung, Friedrichshafen, Germany. Device for drying lifting gas for airships. 1,842,710; Jan. 26.
Bescherer, Edwin A., Brooklyn, and A. Zitzmann, Ozone Park, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined table and cover for telegraph printer. Des. 87,286; June 28.
Beshara, John J., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Thermocouple well. 1,847,059; Feb. 23.
Beskind, Morris M., and J. Mayper, Brooklyn, assignors to Washington Garter Corp., New York, N. Y. Stitchless garter clasp. 1,863,324; June 14.
Besler, William J., Plainfield, N. J. Brake mechanism for motor vehicles. 1,892,034; Dec. 27.
Besocke, Richard, Chicago, Ill., assignor, by mesne assignments, to Archking Corporation. Tweezers. 1,840,369; Jan. 12.
Besonson, Walter, Raymond, Wash. Power take-off. 1,858,700; May 17.
Bessent, John S., Bigfork, Mont. Combination vacuum cleaner and burner. 1,864,633; June 28.
Bessler Disappearing Stairway Company, The. (See Bessler, Frank E., assignor.)
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,858,981; May 17.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,867,904; July 19.
Bessmer, William A., assignor to Hammermill Paper Co., Erie, Pa. Pulp heater. 1,847,374; Mar. 1.
Bessmer, William A., Erie, Pa. Extinguisher for cigarettes and the like. 1,889,601; Dec. 6.
Bessom, Alfred A., Mount Vernon, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat forming machine for off-the-last work. 1,887,617; Nov. 15.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Best, Frank E., Wilmington, Del., assignor to Frank E. Best, Inc., Seattle, Wash. Lock. 1,866,342; July 5.
Best, Archie E., Tiffin, Ohio. Sinker. 1,848,600; Mar. 8.
Best Foods, Inc., The. (See Jones, John H., assignor.)
Best Foods, Inc., The. (See Nelson, Benjamin F., assignor.)
Best Foods, Inc. (See Schnub, Jacob, assignor.)
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Sectional key plug for locks. 1,892,419; Dec. 27.
Best, Frank M., New York, N. Y. Sound record and making the same. 1,847,860; Mar. 1.
Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Transmission measuring system. 1,871,944; Aug. 16.
Best, Harry S., assignor to J. H. Best & Sons, Galva, Ill. Dietary stand. 1,848,394; Nov. 29.
Best, John H., & Sons. (See Best, Harry S., assignor.)
Best, Millard W., Hamilton, Ontario, Canada. Stoker feeding mechanism. 1,871,053; Aug. 16.
Best, Norman A., Shreveport, La. Cabinet inclosure. 1,872,652; Aug. 23.
Best, Norman A., Midland, Mich. Jack. 1,890,144; Dec. 6.
Best, Richard C., assignor of one-half to H. Sweeney, Newark, N. J. Attachment for lawn mowers. 1,873,266; Aug. 23.
Bestea, Albert D., Highland, Mich. Cushion safety hitch. 1,859,649; May 24.
Bether, Anna A. (See Bether, Chester E., assignor.)
Bether, Chester E., assignor to A. A. Bether, Minneapolis, Minn. Charging device for furnaces. 1,887,975; Nov. 15.
Bethel, Albert R., Huntington Park, Calif. Gas burner. 1,863,003; June 14.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Truck structure. 1,842,241; Jan. 19.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Integral mining locomotive. 1,872,875; Aug. 23.
Bethel, Maywood, Hext, Tex. Cotton lint tramper. 1,842,006; Jan. 19.
Bethenod, Joseph, Paris, France. Protection of electrical apparatus. 1,859,125; May 17.
Bethenod, Joseph, Paris, France. Antenna construction. 1,860,128; May 24.
Bethenod, Joseph, Paris, France. Electric piano harp. 1,865,428; July 5.
Bethlehem Shipbuilding Corporation. (See Towle, Howard C., assignor.)
Bethlehem Steel Company. (See Daniels, Fred C. T., assignor.)
Bethlehem Steel Company. (See Dougherty, Robert S. A., assignor.)
Bethlehem Steel Company. (See Dougherty, R. S. A., and Greenwell, assignors.)
Bethlehem Steel Company. (See Faunce, B. F., and Statler, assignors.)
Bethlehem Steel Company. (See Florance, Warren M., assignor.)
Bethlehem Steel Company. (See Froelich, Clarence H., assignor.)
Bethlehem Steel Company. (See Froelich, C. H., and McCarty, assignors.)
Bethlehem Steel Company. (See George, Heber T., assignor.)
Bethlehem Steel Company. (See Greenwell, Nevil, assignor.)
Bethlehem Steel Company. (See Johnson, Carl E., assignor.)
Bethlehem Steel Company. (See Keller, Albert T., assignor.)
Bethlehem Steel Company. (See Kenney, Edward F., assignor.)
Bethlehem Steel Company. (See Kinney, James A., assignor.)
Bethlehem Steel Company. (See Little, J. E., Kichline, and Ehrgott, assignors.)
Bethlehem Steel Company. (See McCarty, Richard J., jr., assignor.)
Bethlehem Steel Company. (See McGinnis, Harry, assignor.)
Bethlehem Steel Company. (See Miller, Louis G., assignor.)
Bethlehem Steel Company. (See Nieman, Henry W., assignor.)
Bethlehem Steel Company. (See Parker, H. E., and Stewart, assignors.)
Bethlehem Steel Company. (See Portuondo, Aurelio, assignor.)
Bethlehem Steel Company. (See Schulz, P. A., and Maxwell, assignors.)
Bethlehem Steel Company. (See Spigelmire, C. E., and Walters, assignors.)
Bethlehem Steel Company. (See Stevens, Richard H., assignor.)
Bethune, John. (See Thomas, H. T., Bethune, and Hays.)
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Gearing. 1,861,258; May 31.
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Two speed drive axle. 1,873,385; Sept. 6.
Bettencourt, Theodore R., assignor to John I. Paulding, Inc., New Bedford, Mass. Lighting fixture. Des. 88,498; Dec. 6.
Bettencourt, Theodore R., assignor to John I. Paulding, Inc., New Bedford, Mass. Lighting fixture. Des. 88,499; Dec. 6.
Bettencourt, Theodore R., assignor to John I. Paulding, Inc., New Bedford, Mass. Lighting fixture. Des. 88,500; Dec. 6.
Bettendorf Company, The. (See Claser, Claus J. W., assignor.)
Bettendorf Company, The. (See Hammett, Merton H., assignor.)
Better-Built Pumps, Inc. (See Brown, Ernest L., assignor.)
Better Packages, Inc. (See Hebiz, Henry C., assignor.)
Better Packages, Inc. (See Krueger, Theodore H., assignor.)
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting & Refining Company, New York, N. Y. Liquation of copper. 1,843,413; Feb. 2.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Removal of bismuth from lead. 1,853,534; Apr. 12.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Metal refining. 1,853,535; Apr. 12.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Metal refining. 1,853,536; Apr. 12.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Metal refining. 1,853,537; Apr. 12.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Removing bismuth from metals. 1,853,538; Apr. 12.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Removal of bismuth from lead. 1,853,539; Apr. 12.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Manufacture of lead and zinc alloys. 1,860,524; May 31.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Forming metal alloys. 1,882,749; Oct. 18.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for desinceing lead. 1,884,533; Oct. 25.

Betterton, Jesse O., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Debismuthizing lead. 1,853,540; Apr. 12.

Betterton, Jesse O., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Liquation of metals. 1,853,541; Apr. 12.

Betterton, Thomas B., Chattanooga, Tenn. Fabric forming machine and making ornamental designs. 1,845,976; Feb. 16.

Bettinger, Ina L., National City, Calif. Electrical cord take-up device. 1,888,258; Nov. 22.

Bettis, Irvin H. (See Scott, F. L., and Bettis.)

Bettis, William L., Los Angeles, Calif. Casing protector. 1,863,740; June 21.

Bettison, Percy R., Newark, N. J., assignor to American Hair & Felt Company, Chicago, Ill. Floor covering and forming the same. 1,846,940; Feb. 23.

Bettison, Percy R., assignor to American Hair & Felt Company, Chicago, Ill. Floor covering. 1,872,653; Aug. 23.

Bettle, Periscope, Gladwyn, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Aircraft construction. 1,879,046; Sept. 27.

Bettman, Henry L., Portland, Oreg. Nonglaring reversible mirror. 1,887,706; Nov. 15.

Betts, Benjamin B. (See Miller, H., and Betts.)

Betts, Hobart D., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Conduit box. 1,887,192; Nov. 8.

Betts, Thomas & Co., The. (See McMurtrie, Adnah, assignor.)

Betts, William B., Binghamton, N. Y. Coin controlled mechanism. 1,860,221; May 24.

Betts, William B., Binghamton, N. Y. Vending machine. 1,879,047; Sept. 27.

Bettschart, Anton, Neuhausen, Switzerland, and O. Nydegger, Bergheim-Erft, Germany. Reducing the attacks by aniline liquids on straining cloths. 1,876,837; Sept. 13.

Betz, Harry D., Kansas City, Mo. Portable air-conditioning device. 1,884,534; Oct. 25.

Betz, John O., Adrian, Mich. Paper box. 1,842,501; Jan. 26.

Betzler, Paul, Jackson Heights, N. Y. Wall construction. 1,892,605; Dec. 27.

Beulwitz, Frederick H., Milwaukee, Wis., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Indexing device. 1,865,552; July 5.

Beurdeley, André, Paris, France. Vehicle suspension spring. 1,879,048; Sept. 27.

Beurrier, Leon L., Levallois-Perret, France. Linkage device. 1,849,564; Mar. 15.

Beusch, Willi, Zug, Switzerland. Registering apparatus. 1,861,179; May 31.

Beutel, Albert P., assignor to The Dow Chemical Company, Midland, Mich. Liquid heating and vaporizing. 1,856,002; Apr. 26.

Beutel, Robert J., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Enveloping cigar. 1,866,979; Sept. 20.

Beuthner, Kurt, Krefeld, Germany. Base closure for vertical gas retorts and gas chambers. 1,843,798; Feb. 2.

Beutner, Richard, and A. Hilte, Neugersdorf, Germany. Driving mechanism for the roughing rolls of a card roughing machine. 1,864,635; June 28.

Bevans, Earl C., Monticello, Mo. Emasculator. 1,865,429; July 5.

Bevel Gear Grinding Company. (See Bayley, Guy L., assignor.)

Bever, Miles E., Anaheim, Calif. Reglet and flashing on roofings. 1,886,462; Nov. 8.

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling. 1,849,908; Mar. 15.

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Acoustic combining system. 1,874,865; Aug. 30.

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Differential volume control for diversity reception. 1,888,065; Nov. 15.

Beverage, Harold H., and H. O. Peterson, Riverhead, N. Y., assignors to Radio Corporation of America. Eliminating fading on short wave lengths. 1,874,866; Aug. 30.

Beveridge Paper Company. (See Ross, Harry M., assignor.)

Bevier, Abram M., Duluth, Minn. Weight indicating support. 1,860,647; May 31.

Bevier, Abram M., Duluth, Minn. Portable power unit. 1,890,927; Dec. 13.

Bevilacqua, Dominick, Long Island City, N. Y., assignor to I. Miller & Sons, Incorporated. Jack stand. 1,839,734; Jan. 5.

Bevill, Joseph R. (See Baten, W. L., and Bevill.)

Bewley, William C. Macon, Ga. Protective device for fruits and vegetables in packing crates. 1,854,097; Apr. 12.

Beyer, Charles E., Rosamond, Calif. Liquid fuel burner. 1,880,695; Oct. 4.

Beyer, Henry L., Newark, N. J. Making grids. 1,884,535; Oct. 25.

Beyer, Paul P., Park Ridge, assignor to Rand McNally & Company, Chicago, Ill. Packaging tickets. 1,848,764; Mar. 8.

Beyer, Paul P., Park Ridge, assignor to Rand, McNally & Company, Chicago, Ill. Ticket container. 1,869,043; July 26.

Beynon, Donald E., Toronto, Ontario, Canada, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Boat fender. 1,877,793; Sept. 20.

Beynon, Rees. (See Simpson, E. G., and Beynon.)

Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Header strip. 1,880,696; Oct. 4.

Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Channel strip and making the same. 1,880,697; Oct. 4.

Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Channel strip. 1,880,698; Oct. 4.

Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Channel strip. 1,880,700; Oct. 4.

Beynon, Rees, Chicago, and G. C. Reeves, Glen Ellyn, assignors to Dryden Rubber Company, Chicago, Ill. Channel strip. 1,880,699; Oct. 4.

Bezzenberger, Fred K. (See Giesler, J. V., and Bezzenberger.)

Bhagwat, Madhav R., Brooklyn, assignor to Combustion Utilities Corporation, New York, N. Y. Precipitation of resin from residual oils. 1,873,105; Aug. 23.

Bhosys, Charles W., New York, N. Y. Photographic background. 1,867,800; July 19.

Bianchana, Eugene, Brooklyn, N. Y. Bottle heating attachment. 1,887,280; Nov. 8.

Bianchi, Dante, and H. De Vriese, Hawthorne, N. J. Doorstop. 1,871,142; Aug. 9.

Bianchi, Luis, Olavarria, Argentina. Necktie. 1,857,271; May 10.

Bianchini, Ferier, Société en nom collectif. (See Férier, Albert, assignor.)

Bianco, Henry, assignor to Campbell Metal Window Corporation, Baltimore, Md. Sealing mechanism for windows. 1,848,043; Mar. 1.

Bianco, Henry, assignor to Campbell Metal Window Corporation, Baltimore, Md. Absorbent weather stripping for windows. 1,853,845; Apr. 12.

Bias Cutting Machine Corporation. (See Draher, J., and Rouk, assignor.)

Bibb Manufacturing Company. (See Jordan, Carl C., assignor.)

Bibb, S. T., et al. (See Hamilton S. A. B., and Lausen.)

Bibby, James, London, England, assignor to The Falk Corporation, Milwaukee, Wis. Power transmission coupling. 1,891,969; Dec. 27.

Biber, Mary E., assignor to G. F. Berkander, Providence, R. I. Ornament. 1,864,523; June 28.

Bichelani, Habib M., Bayonne, N. J. Glove. 1,844,881; Feb. 9.

Bicheroux, Max., Aachen, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Process and apparatus for the manufacture and leering of glass sheets. 1,869,297; July 26.

Bichler, Charles H., Paris, France. Apparatus for the prevention of fire by back-firing in internal combustion engines, and for preventing the obstruction of the suction conduits by frost. 1,870,483; Aug. 9.

Bichler, E., et al. (See Bichler, Alfred, assignor.)

Bickel, Henry F., Plainfield, N. J., assignor to The New York Air Brake Company. Air brake. 1,870,191; Aug. 2.

Bickel, Henry F., Plainfield, N. J., assignor to The New York Air Brake Company. Air brake. 1,870,218; Aug. 9.

Bickelhaupt, Carroll O., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling apparatus for recording systems. 1,845,034; Feb. 16.

Bickelhaupt, Carroll O., New York, N. Y., and C. E. Penuel, Atlanta, Ga., assignors to American Telephone and Telegraph Company. Communication system. 1,869,558; Aug. 2.

Bickell, Charles H. (See Hayes, Fred L., assignor.)

Bickerstaff, Samuel W., assignor to The Henderson-Ames Company, Kalamazoo, Mich. Buckle. 1,865,501; July 5.

Bickerstaff, William O., Smithville, W. Va. Gripping device. 1,843,587; Feb. 2.

Bickford, Den A., assignor to Ideal School Supply Company, Chicago, Ill. Easel. 1,864,972; June 28.

Bicking, George W., Washington, D. C. Apparatus for and method of making deckled edged paper. 1,858,131; May 10.

Bicknell, Arthur, et al., legal representative. (See Degenhardt, W. R., De Fraine, and Bicknell.)

Bicknell, Delosse E., St. Joseph, Mich. Blowtorch nozzle. 1,859,103; Apr. 12.

Bicknell, George M., St. Louis, Mo. Combustion chamber for internal combustion engines. 1,870,397; Aug. 9.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,845,392; Feb. 16.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,858,614; May 17.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,858,615; May 17.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,872,559; Aug. 16.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,872,654; Aug. 23.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,881,996; Oct. 11.

Bicknell, R. F. (See Dalton, Frederick C., assignor.)
Bicknell, Richard S., Red Bank, and R. H. Ranger, Newark, N. J., assignors to Radio Corporation of America. Pyroreccording paper. 1,844,199; Feb. 9.
Bicknell, Robert A. W. et al., legal representative. (See Degenhardt, W. R., De Fraine, and Bicknell.)
Bicknell, Robert H. (See Degenhardt, W. R., De Fraine, and Bicknell.)
Bichnell, Roscoe G., Worchester, Mass. Locking device for clothes driers. 1,883,497; Oct. 18.
Bicks, Jean W., Evanston, assignor to F. A. Bliehert Manufacturing Company, Chicago, Ill. Bottle. Des. 86,657; Apr. 5.
Bicks, Jean W., Evanston, assignor to F. A. Blichert Manufacturing Company, Chicago, Ill. Bottle. Des. 86,658; Apr. 5.
Bidaud, Florentin, Roussillon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Making cellulose acetate. 1,859,579; May 24.
Biddle, William C. (See Corbin, Elbert A., jr., assignor.)
Biddulph, Hugh, Coventry, assignor to Courtaulds Limited, London, England. Winding of threads and in apparatus therefor. 1,885,058; Oct. 25.
Bidwell, Edgar M., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strand material. 1,857,835; May 10.
Bidwell, William C., and A. L. Cutler, Portland, Oreg. Loud-speaker apparatus. 1,893,968; Dec. 27.
Biederman, Frank A., Chicago, Ill., assignor to Paper Patents Company, Neenah, Wis. Container. 1,849,065; Mar. 15.
Biederman, Frank A., Chicago, Ill., assignor to Paper Patents Company, Neenah, Wis. Article for display. 1,873,867; Aug. 23.
Biedermann, Paul R. G., San Francisco, Calif. Metallic sucker rod guide. 1,875,555; Sept. 6.
Biedinger, John R., Cincinnati, assignor to Carthage Mills, Incorporated, Carthage, Ohio. Rack. 1,888,153; Nov. 15.
Bieger, John J., assignor to Signal Engineering and Manufacturing Company, New York, N. Y. High voltage protective device. 1,848,152; Mar. 8.
Bielecky, Conrad, Elmhurst, N. Y. Chair. 1,872,056; Aug. 16.
Bieler, Oscar, Pittsburgh, Pa. Suspension means for oil well derricks. 1,856,844 May 3.
Bieler, Oscar, Pittsburgh, Pa. Suspension apparatus for well drilling operations. 1,880,071; Sept. 27.
Bielicke, Willy F., Berlin-Halensee, Germany. Objective lens system. 1,858,156; Nov. 15.
Bieloussa, Elias, assignor to Henry A. Gardner Laboratory, Inc., Washington, D. C. Synthetic resin and preparing same. 1,866,962; July 12.
Bielski, Joseph E., Oak Park, Ill. Advertising sign and the like. 1,878,368; Sept. 20.
Bienaimé, Robert, Paris, France. Lock. 1,847,686; Mar. 1.
Bienaimé, Jacques, Paris, France. Multiple disconnectible clasp chiefly for necklaces and the like pieces of jewelry. 1,853,111; Apr. 12.
Bienenstamm, Andreas, assignor to The Conklin Pen Company, Toledo, Ohio. Pencil. Des. 86,297; Feb. 23.
Bienenstein, Andreas, Toledo, Ohio, and W. Douglas, Port Angeles, Wash.; said Bienenstein assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen filling attachment for ink bottles or the like. 1,867,801; July 19.
Biener, Alfred B., Schenectady, N. Y. Clothesline cleaner. 1,860,306; May 24.
Bienert, Berthold. (See Gassner, S., and Bienert.)
Bienert, Karl, Berlin-Spandau, Germany, assignor to Merzenthaler Linotype Company, Brooklyn, N. Y. Typographical composing and line casting machine. 1,869,353; Aug. 2.
Bierce, Fred E., Cincinnati, Ohio. Anchor. 1,853,400; Apr. 12.
Bierd, Harry E. (See Halpin, R. L., and Bierd.)
Bierlich, J. H., et al. (See Bierlich, Kenneth G., assignor.)
Bierlich, John Harald, Bennington, Vt., assignor of one-half to C. E. Dooley, Philmont, N. Y., and one-fourth to E. Bierlich, Bennington, Vt. Collapsible stove and cooking utensil. 1,879,837; Sept. 27.
Bierlich, K. G., et al. (See Bierlich, John H., assignor.)
Bierlich, Kenneth G., assignor of one-fourth to J. H. Bierlich, Bennington, Vt., and one-half to C. E. Dooley, Philmont, N. Y. Solidified alcoholic fuel. 1,863,962; June 21.
Biermer, Frank H., Minneapolis, Minn. Lawn mower sharpening machine. 1,866,794; July 12.
Biertuempfel, Albert H., Newark, N. J. Cake display device. 1,881,887; Oct. 11.
Biery, Walter L. (See Greis, Alphonse M., assignor.)
Biever, Fred, et al., executors. (See Backus, John C.)
Biffar, Charles F., Long Eddy, N. Y. Antiskid chain. 1,880,170; Sept. 27.
Bigelow, Frank B., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Furnace wall. 1,845,902; Feb. 16.
Bigelow, Frank B., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Furnace wall. 1,859,650; May 24.
Bigelow, Frank B., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Furnace-wall structure. 1,861,737; June 7.
Bigelow, George E. et al. (See Wels, Arthur R., assignor.)
Bigelow, George E., and A. R. Wels, assignors of one-half to Pacific Pump Works, Huntington Park, Calif. Cooling arrangement for packing boxes. 1,873,267; Aug. 23.
Bigelow, Joseph P., Lunenburg, Mass. Sign. 1,856,349; May 3.
Bigelow, Leon G., assignor to Quality Park Box Company, St. Paul, Minn. Box. 1,880,191; Oct. 4.
Bigelow-Liptak Corporation. (See Bigelow, Frank B., assignor.)
Bigelow Sanford Carpet Co. (See Lehner, Charles, assignor.)
Bigelow Sanford Carpet Co. (See McCabe, William F., assignor.)
Bigelow Sanford Carpet Co. (See Moffat, John B., assignor.)
Bigelow Sanford Carpet Co. (See Murphy, Francis, assignor.)
Bigelow-Sanford Carpet Co. (See Petersen, Elliott I., assignor.)
Bigelow-Sanford Carpet Co., (See Phoenix, Ernest T., assignor.)
Bigelow-Sanford Carpet Co. (See Podlysky, Dmytro, assignor.)
Bigelow-Sanford Carpet Co. (See Simonson, G. H., and Grennor, assignors.)
Bigelow Sanford Carpet Co. (See Smidlein, Anthony E., assignor.)
Bigelow-Sanford Carpet Co. (See Stone, Edwin W., assignor.)
Bigelow-Sanford Carpet Co. (See Stone, E. W., and Grennor, assignors.)
Bigelow Sanford Carpet Co. (See Travis, John S., assignor.)
Bigelow Sanford Carpet Co. (See Vetter, Ignatius J., assignor.)
Bigelow-Sanford Carpet Co. (See Wicke, Carl, assignor.)
Bigelow-Sanford Carpet Co., Inc. (See Frohlich, Charles, assignor.)
Bigger, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Clutch. 1,846,179; Feb. 23.
Bigger, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Motor control system. 1,847,232; Mar. 1.
Bigger, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rotary shear. 1,843,238; Mar. 8.
Bigger, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rotary flying shear mechanism. 1,852,282; Apr. 5.
Bigger, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Tensioning apparatus. 1,854,016; Apr. 12.
Bigger, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for feeding metal to shearing devices. 1,860,340; May 24.
Bigger, Florence C., jr., Crafton, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Flying cutter. 1,876,838; Sept. 13.
Bigger, Florence C., jr., Crafton, L. Johnson, Ingram, and H. H. Talbot, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Reel. 1,850,312; Mar. 22.
Biggins, Leo F., Adrian, Mich. Air circulating apparatus for incubators or the like. 1,848,409; Mar. 8.
Biggs, Frank, London, assignor of one-half to Lowe, Bevan and Company, Limited, Chislehurst, England. Window for automobiles. 1,856,060; Apr. 26.
Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,865,502; July 5.
Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,865,503; July 5.
Biggs, Leonard A., Haworth, N. J., and S. R. Goldstein, Brooklyn, N. Y. Key tag and directory. 1,841,780; Jan. 19.
Biggs, Leonard R., Scotia, N. Y., assignor to General Electric Company. Electrical regulator. 1,841,082; Jan. 12.
Bigos, Norris W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Expansible core and method of making the same. 1,842,652; Jan. 26.
Bigsby, George A. (See Cook, Charles A., assignor.)
Bigsow, Leonard B., Smooth Rock Falls, Ontario, Canada. Electric hydrant thawer. 1,850,256; Mar. 22.
Bignard, Pierre, Paris, assignor to Societe Industrielle de Mecanique Automobile et de Radio-Electricite. Levallois-Perret, France. Clutch. 1,862,951; June 14.
Bigney, S. O., & Co. (See Bigney, S. O., and Arvidson, assignors.)
Bigney, Sidney O., and C. Arvidson, Attleboro, Mass., assignors to S. O. Bigney & Company. Bracelet buckle. 1,893,917; June 21.
Big Rock Ranch Company. (See Thomas, Frank, assignor.)
Bignet, Jacques, Lyon, France, assignor to Radio Corporation of America, New York, N. Y. Three electrode vacuum tubes. 1,861,107; May 31.
Bihl, William E., assignor, by mesne assignments, to Zerozone, Incorporated, Chicago, Ill. Refrigerator. 1,883,329; Oct. 18.

Bihl, William E., and A. Ramclaw, Chicago, Ill. Shaft seal. 1,860,981; May 31.

Bihl, William E., and A. Ramclaw, assignors to Zerozone Corporation, Chicago, Ill. Dispensing machine. 1,846,941: Feb. 23.

Bihl, William E., and A. Ramclau, assignors to Iron Mountain Co., Chicago, Ill. Dispensing apparatus. 1,848,238: Mar. 8.

Bihl, William E., and A. Ramclaw, assignors to Zerozone Incorporated, Chicago, Ill. Evaporator. 1,880,682; Oct. 4.

Bihl, William E., and A. Ramclaw, assignors by mesne assignments, to Zerozone, Incorporated, Chicago, Ill. Compressor. 1,883,328; Oct. 18.

Bihl, William E. and A. Ramclaw, assignors, by mesne assignments, to Zerozone, Incorporated, Chicago, Ill. Compressor mounting. 1,883,330; Oct. 18.

Bihler, Roger, assignor to M. A. Belkoff, College Point, and A. A. Slade, Flushing, N. Y. Powder puff and making the same. 1,864,886; June 28.

Bihlman, Victor W. (See Williams, H. M., and Bihlman.)

Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Conduit installation on vehicles. 1,845,826; Feb. 16.

Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Chassis lubrication. 1,845,827; Feb. 16.

Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Chassis lubrication. 1,862,488; June 7.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Steering knuckle lubrication. 1,862,513: June 7.

Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Spring eye suspension. 1,868,687; July 26.

Bijur, Joseph, New York, assignor, by mesne assignments, to Eclipse Machine Company, Elmira, N. Y. 1,883,331; Oct. 18.

Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Central lubrication. 1,888,422; Nov. 22.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Chassis lubrication. 1,888,970; Nov. 29.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Supply installation for central chassis lubrication. 1,892,183; Dec. 27.

Bilby, Ernest E., assignor to Hemingray Glass Company, Muncie, Ind. Bottle or similar article. Des. 86,059; Apr. 19.

Bilde, Erik. (See Engberg, A. O., and Bilde.)

Bilde, Tord E. D. (See Engberg, Axel O., and Bilde, assignors.)

Bilde, Tord E. D., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,847,233: Mar. 1.

Bilde, Tord E. D., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,860,883; May 31.

Bilde, Tord E. D., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,860,884; May 31.

Bilde, Tord E. D., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,860,885; May 31.

Bilderback, Henry S., Elk City, Okla., and I. B. McCullough, Ballinger, Tex. Conveyer bearing. 1,866,077; July 5.

Biles, Edgar V., assignor to B. Moore, jr., San Antonio, Tex. Transporting means for road rollers. 1,886,367; Nov. 8.

Billheimer, Earl L., Bonne Terre, Mo., assignor to St. Joseph Lead Company, New York, N. Y. Punching tool for primer cartridges. 1,849,474; Mar. 15.

Billard, Felix, Mayon, France. Braiding machine. 1,854,685; Apr. 19.

Billek, August. (See Marsh, A. C., and Billek.)

Billerman, William G., Newark, N. J. Cover for percolators. 1,840,303; Jan. 12.

Billborn, Paul G., Manchester, Iowa. Gate. 1,865,079; June 28.

Billig, Fred W. (See Johnson, L. E., Winchell, Hardick, and Billig.)

Billig, Kurt. (See Schirmacher, Karl and W., Schaich, Wolfram, Tampka, and Billig.)

Billingham, Ralph B. (See Barnes, J. S., and Billingham.)

Billingmann, Peter, assignor to Deutsche Maschinenfabrik Aktiengesellschaft, Duisburg, Germany. Adjustable bearing for roll straightening machines. 1,844,555; Feb. 9.

Billings, Clarence E., New Haven, and D. S. Sammis, Stratford, assignors to The New Haven Sand Blast Company, New Haven, Conn. Sand blast apparatus. 1,887,395; Nov. 8.

Billings, Glen, Cody, Wyo. Haystacker. 1,860,222; May 24.

Billings, Howard J., South Acton, assignor to A. D. Little, Incorporated, Cambridge, Mass. Translucent printing. 1,874,427; Aug. 30.

Billingsley, John P., Wilmington, and T. A. Kellum, Claymont, Del., assignors to General Chemical Company, New York, N. Y. Brake. 1,883,498; Oct. 18.

Billingsley, John W. (See Kilbury, Paul D., assignor.)

Billington, James H., Company. (See Hall, Washington L., assignor.)

Billman, Carl H., Logansport, Ind., assignor of one-half to J. W. Ball, Logansport, Ind. Sand blast apparatus. 1,882,541; Oct. 11.

Bilner, Karl P., New York, N. Y. Building construction and making the same. 1,890,432; Dec. 6.

Bills, Charles E., assignor to Mead Johnson & Company, Evansville, Ind. Preparing ergosterol. 1,842,929; Jan. 26.

Bills, Charles E., assignor to Mead Johnson & Company, Evansville, Ind. Irradiation. 1,848,305; Mar. 8.

Bills, Charles E., assignor to Mead Johnson & Company, Evansville, Ind. Insolating apparatus. 1,877,382; Sept. 13.

Bills, Claud H., La Habra, and G. G. Griswold, Pico, Calif. Spray hend. 1,885,219; Nov. 1.

Bills, Claud H., and G. G. Griswold, Los Angeles, Calif. Distributor head. 1,887,747; Nov. 15.

Bills, Claud H., and G. G. Griswold, Los Angeles, Calif. Cooling system. 1,890,072; Dec. 6.

Bills, Claud H., La Habra, and G. G. Griswold, Pico, Calif. Automatic spray head. 1,891,909; Dec. 27.

Bills, Louis W., Lexington, Mass. Fire alarm recording device. 1,840,653; Jan. 12.

Billstrom, Gustavis A., Read, Colo. Rotary hammer drill. 1,845,074; Feb. 16.

Bilstein, Hans. (See Bilstein, Julius H., assignor.)

Bilton, Percy, Beckenham, England. Door. 1,855,470; Apr. 26.

Bilt-Rite Manufacturing Company. (See Costa, Anthony P., assignor.)

Bimber, Heinrich, Lauf, assignor to Steatit-Magnesia Aktiengesellschaft, Berlin-Pankow, Germany. Filling apparatus for powdered or granular material. 1,858,032; May 10.

Bincer, Hans. (See Wendt, B., and Bincer.)

Binder, Charles F., Atlanta, Ga. Battery post extension. 1,854,328; Apr. 19.

Binder, Gottfried H., Orange, assignor to Zenitherm Company, Inc., Kearny, N. J. Wall construction. 1,851,890; Mar. 29.

Binder, Ludwig, Dresden, and H. Heyne, Dresden, Blasewitz, Germany. Measuring high electrical potentials. 1,854,640; Apr. 19.

Bindschedler, Theodore S., assignor to Burroughs Adding Machine Company, Detroit, Mich. Universal motor. 1,860,728; May 31.

Binford, Edwin B., Beverly Hills, assignor of one-half to Continental Building Specialties Inc., Los Angeles, Calif. Cutting and grooving machine. 1,877,443; Sept. 13.

Bing, Joseph M., New York, N. Y. Photometric calculator. 1,864,180; June 21.

Bing, Joseph M., assignor to Drem Products Corporation, New York, N. Y. Camera tripod-clutch. 1,846,382; Feb. 23.

Bingesser, Carl. (See Wolf, John M., assignor.)

Binggeli, Arnold R., Kansas City, Mo. Article dispenser. 1,861,654; June 7.

Bingham, Arthur, London, England. Sheet registering device for use in printing and the like machinery. 1,850,053; Mar. 22.

Bingham, Arthur, Deptford, London, England. Delivery apparatus for stacking cards or the like in counted batches. 1,850,223; May 24.

Bingham, Frederick C., New York, assignor to Boorum & Pease Company, Brooklyn, N. Y. Loose leaf binder. 1,858,132; May 10.

Bingham, George C., Maldon, England. Machine for plucking birds. 1,875,980; Sept. 6.

Binghampton Foundry & Machine Co. Inc. (See Holford, Harry E., assignor.)

Binkley, William J., Chicago, Ill. Corridor partition wireway. 1,844,269; Feb. 9.

Binks Manufacturing Company. (See Binks, M. J., and Hersleb, assignors.)

Binks Manufacturing Company. (See Bramsen, S., Hersleb, and Wahlin, assignors.)

Binks Manufacturing Co. (See Sanders, Carl, assignor.)

Binks Manufacturing Co. (See Wyzenbeek, Andrew, assignor.)

Binks, Melvin J., Oak Park, and W. Hersleb, assignors to Binks Manufacturing Company, Chicago, Ill. Spray gun head. 1,850,129; May 24.

Binmore, Thomas V., Long Island City, N. Y., and Harold de B. Rice, Bristol, assignors to National India Rubber Company, Bristol, R. I. Making insulated wire and product obtained thereby. 1,872,228; Aug. 16.

Binnie, John A., Philadelphia, Pa. Aerial device. 1,860,982; May 31.

Binnie, Robert T., Glasgow, assignor of one-half to W. Miller, Edinburgh, Scotland. Apparatus for extracting liquid from solid or semi-solid matter by pressure. 1,870,033; Aug. 2.

Binns, Edward H., Pittsburgh, Pa. Paving tile. 1,869,880; Aug. 2.

Binns, Ernest W., Roosevelt, N. Y. Concealed bath and shower fixture. 1,847,917; Mar. 1.

Binns, Frederick W., Wollaston, and J. M. Lurie, Jamaica Plain, Mass., assignors to Virginia Smelting Company, Portland, Me. Method for effecting bisulphite reactions with sulphur dioxide in substantially neutral solutions. 1,880,701; Oct. 4.

Binns, George W. (See Harrison, R. E. W., Haas, and Binns.)
Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,847,466; Mar. 1.
Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,850,872; Mar. 22.
Binns, George W., assignor to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,864,578; June 28.
Binns, George W., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,891,661; Dec. 20.
Binswanger, Richard M., assignor to Olmstead Corporation of Springfield, Springfield, Mass. Corset and other foundation garment. 1,854,520; Apr. 19.
Binus, David J., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Roller guide. 1,866,149; July 5.
Birbaum, Joseph. (See Full, G. D., Neitz, Muntner, Buttner, and Birbaum.)
Birch, Alvin L., Binghurst, N. Y., and J. E. Ott, Hinsdale, assignors to Acme Steel Company, Chicago, Ill. Bale tie buckle. 1,849,784; Mar. 15.
Birch, Charles E. (See Johnson, S. N., and Birch.)
Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Catenary hanger. 1,886,463; Nov. 8.
Birch, Stanley F., and W. D. Scott, Sunbury-on-Thames, assignor to Anglo-Persian Oil Company, Limited, London, England. Production of mono alkyl ethers of glycol. 1,882,564; Oct. 11.
Birchall, Dixon, and S. Coffey, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Manufacture of N-thio derivatives of amines. 1,842,711; Jan. 26.
Bircher Company, Inc. (See Keiser, Arthur J., assignor.)
Bird, Arthur L., Orwell, and H. C. Lindsley, Brandon, Vt. Windshield heater. 1,876,389; Sept. 6.
Bird, David B., Chicago, Ill. Ventilator. 1,845,954; Feb. 16.
Bird, Hugh V., Neath, South Wales. Cooking utensil and the like. 1,875,223; Aug. 30.
Bird, John C., assignor to Union Steam Pump Company, Battle Creek, Mich. Rotary pump. 1,865,504; July 5.
Bird, Jesse Rook Spring, Ga. Combined ground working and pulverizing machine. 1,858,948; May 17.
Bird, Len O., Glendale, Calif. Control mechanism. 1,843,266; Feb. 2.
Bird, Lester C., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Mounting for rectifier plates. 1,860,069; May 24.
Bird, Lester C., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Alternating current vapor electrical device. 1,874,428; Aug. 30.
Bird Machine Company. (See Flynn, Mortimer F., assignor.)
Bird & Son, Inc. (See Graham, James E., assignor.)
Bird & Son, Inc. (See Wyman, George R., assignor.)
Birdsall, Edward T., assignor to The Butler Manufacturing Company, Cleveland, Ohio. Street sweeping apparatus. 1,861,681; June 7.
Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projector. 1,843,502; Feb. 2.
Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. View changing apparatus. 1,856,234; May 3.
Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projector. 1,868,722; July 26.
Birdsboro Steel Foundry & Machine Company. (See Laussucq, Henri P. L., assignor.)
Birdsboro Steel Foundry and Machine Company. (See Martin, Mark H., assignor.)
Birdsboro Steel Foundry and Machine Company. (See Peterson, Edward T., assignor.)
Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Plaster board and making same. 1,870,439; Aug. 9.
Birdseye, Clarence, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Consumer package. 1,852,228; Apr. 5.
Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,850,232; Oct. 4.
Birett, Walter, Berlin-Charlottenburg, Germany, assignor to United Chromium, Incorporated, New York, N. Y. Electroplating apparatus. 1,844,556; Feb. 9.
Birgbauer, Conrad F., Detroit, Mich. Lapping device. 1,865,229; June 28.
Birkebak, Christian A. (See Alden, C. R., and Birkebak.)
Birkebak, Christian A., assignor to Ex-Cell-O Aircraft and Tool Corporation, Detroit, Mich. Tool retainer. 1,858,476; May 17.
Birkel, L., and Sons. (See App, Andrew J., assignor.)
Birkenbeuel, Edward B., Portland, Oreg. Bucket tooth. 1,867,871; July 19.
Birkenbeuel, Julia H. (See Glessner, Charles E., assignor.)
Birkenmaier, Theodore. (See Boll, L. P., and Birkenmaier.)
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St Louis, Mo. Cable clamp. 1,846,444; Feb. 23.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Anchor. 1,849,268; Mar. 15.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Connecter. 1,849,999; Mar. 15.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,852,283; Apr. 5.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Grapple. 1,853,598; Apr. 12.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Grapple. 1,853,599; Apr. 12.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Clamp. 1,853,891; Apr. 12.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse link head. 1,880,702; Oct. 4.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Grip. 1,891,497; Dec. 20.
Birkenmaier, Theodore, St. Louis, L. P. Boll, Maplewood, and H. H. Wefelr, assignors to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,848,239; Mar. 8.
Birkigt, Marc, Bois Colombes, France. Resilient packing. 1,860,274; May 24.
Birkigt, Marc, Bois-Colombes, France. Crank-shaft casing. 1,868,377; July 19.
Birman, Isidor, Peekskill, N. Y. Hospital bed attachment. 1,866,696; July 12.
Birmingham, Thomas F., Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Making return bends. 1,854,109; Apr. 12.
Birn, Ludwig J., Minneapolis, Minn. Hoe. 1,845,222; Feb. 16.
Birnbaum, Charles, Brooklyn, N. Y. Attaching means for interchangeable letters of initial rings or the like. 1,877,750; Sept. 13.
Biro, Carl G., Marblehead, Ohio. Band-saw meat cutter construction. 1,864,517; June 28.
Birrell, James, La Porte, Tex. Bottle stopper. 1,845,698; Feb. 16.
Birtel, Wilhelm, Dusseldorf-Rath, Germany. Boring and tapping tool. 1,862,461; June 7.
Birtles, Arthur B., Louisville, Ky. Method and apparatus for producing plywood. 1,883,499; Oct. 18.
Birtley Iron Company, The. (See Appleyard, K. C., Holmes, and Bramwell, assignors.)
Birtley Iron Company Limited, The. (See Bramwell, Ivor L., assignor.)
Birtley Iron Company, The. (See Holmes, Colin W. H., assignor.)
Birtwistle, Arthur E., and A. Roeser, Brooklyn, N. Y. Stall gate for race tracks. 1,876,839; Sept. 13.
Birum, Herbert L., jr. (See Birum, Herbert L., sr., and H. L., jr.)
Birum, Herbert L., sr., and H. L. Birum, jr., Trenton, N. J. Apparatus for making stuffed bars. 1,859,913; Dec. 6.
Biscayne Trust Company et al., executors. (See Gold, E. B., and Russell.)
Bischof, Bernhard, Winterthur, Switzerland. Packing for rotating shafts. 1,851,032; Mar. 29.
Bischoff, Heinrich. (See Hall, Otto, and Bischoff.)
Bischoff, Theodore C., G. W. Chubb, and A. Rettig, Detroit, Mich. Automobile trailer. 1,880,703; Oct. 4.
Bischoper, Robert, Allison Park, Pa. Hair waving appliance. 1,885,577; Nov. 1.
Bishman, Walter A., and H. G. Lien, Minneapolis, Minn. Wrench for automobile hub caps. 1,872,392; Aug. 16.
Bishop & Babcock Mfg. Company, The. (See Lippitt, George R., assignor.)
Bishop & Babcock Mfg. Co., The. (See Zimmerman, Wilbur R., assignor.)
Bishop, Donald B., assignor to Electric Welding Company, Pittsburgh, Pa. Road building spacer. 1,851,615; Mar. 29.
Bishop, Edwin B. (See Jenkins, C. W., and Bishop.)
Bishop, Francis C., Calcutta, Ind. Combination lock. 1,876,132; Sept. 6.
Bishop, Frederic L. (See Pierce, L. J., and Bishop.)
Bishop, Frederick E., Union City, N. Y. Pile fabric and lining the same. 1,865,238; June 28.
Bishop, George E., Cleveland Heights, Ohio. Automobile door curtain. 1,860,983; May 31.
Bishop, George E., Cleveland Heights, Ohio. Automatic side inclosures adapted for ventilating and hand-hole purposes. 1,874,867; Aug. 30.
Bishop, Harvey L., Jacksonville, Fla., and Bishop.)
Bishop, Howard M., Toronto, Ontario, Canada. Securing together slats, staves, or other sectional devices 1,890,597; Dec. 13.
Bishop, Hugh E., Udell, Iowa. Check row planter. 1,872,393; Aug. 16.
Bishop, James O. (See Grau, W. S., and Bishop.)
Bishop, John S., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil and manufacturing it. 1,889,398; Nov. 29.
Bishop, Joseph W., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Floor surfacing machine. 1,855,737; Apr. 26.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill. Clutch. 1,870,226; Aug. 9.

Bishop, Joseph W., Muskegon Heights, Mich., assignor to United Research Corporation. Phonograph. 1,888,652; Nov. 22.

Bishop, Joseph W., Muskegon Heights, Mich., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Press. 1,892,134; Dec. 27.

Bishop, Nathaniel, Bridgeport, Conn. Amplitude limiting device for amplifying systems. 1,863,895; June 21.

Bishop, Serena W., Long Beach, Calif. Tire deflation alarm. 1,886,160; Nov. 1.

Bishop, Walter M., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacture of continuously loaded conductors. 1,844,114; Feb. 9.

Bishop, William K., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Adjustable vehicle seat. 1,857,106; May 3.

Bisler, G. A., Inc. (See Dunn, Frank J., assignor.)

Bisley, William F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 86,660; Apr. 5.

Bisschop, Eelco, Berlin-Siemensstadt, H. Ulbrich, Berlin-assignors to Siemens-Schukertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Blow striking implement. 1,841,781; Jan. 19.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Automatic emergency selective switch. 1,866,997; July 19.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Resynchronizing means for traffic signalling system. 1,875,367; Sept. 6.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Lamp changing mechanism for beacons. 1,877,810; Sept. 20.

Bissell Carpet Sweeper Company. (See Owen, Ira J., assignor.)

Bissell Carpet Sweeper Company. (See Pullen, F. W., and Hall, assignors.)

Bissell, Guy F., assignor of one-half to R. C. Bissell, Morton Grove, Ill. Pressure fluid generator. 1,840,690; Jan. 12.

Bissell, Richard E., assignor to Thompson Products, Inc., Cleveland, Ohio. Alloy. 1,866,836; July 12.

Bissell, Richard E., Cleveland Heights, assignor to Thompson Products Inc., Cleveland, Ohio. Making valves. 1,880,704; Oct. 4.

Bissell, Roy C. (See Bissell, Guy F., assignor.)

Bissell, W. E., Company. (See Wardley, Timothy C., assignor.)

Bisset, John D., Aberdeen, Scotland. Fish skinning machine. 1,867,133; July 12.

Bisset, Wallace A., Bloomsburg, Pa., and J. W. Sheffer, Glen Ridge, N. J., assignors to American Car and Foundry Company, New York, N. Y. Electric heater. 1,870,500; Aug. 9.

Bisscett, Enid, assignor to Malden Form Brassiere Co., Inc., New York, N. Y. Brassière. 1,874,868; Aug. 30.

Bissnatz, Fred, Galion, assignor to Marion Vault Manufacturing Company, Marion, Ohio. Grave vault. 1,856,309; May 3.

Bitton, James. (See Wittum, George F., assignor.)

Bitner, Mary, New York, N. Y. Picture tape. 1,880,705; Oct. 4.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,870,487; Aug. 9.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Screed for use in laying concrete and the like. 1,880,706; Oct. 4.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,880,707; Oct. 4.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,880,708; Oct. 4.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Insert anchor. 1,880,709; Oct. 4.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Reenforce support. 1,880,710; Oct. 4.

Bitter, Jack L. (See Schaeffer, K. T., and Bitter.)

Bitter, Jack L., and R. Elssner, Johnson City, Tenn., assignors to American Glanzstoff Corpo ation, New York, N. Y. Yarn treatment. 1,867,609; July 19.

Bitter, Jack L., Elizabeth, and R. Elsner, Johnson City, Tenn., assignors to American Glanzstoff Corporation, New York, N. Y. Treatment of artificial filaments. 1,867,610; July 19.

Bitterli, Emile V. (See McNeil, R. S., and Bitterli.)

Bittner, John W., West Forest Hills, L. I., assignor to Intertype Corporation, Brooklyn, N. Y. Line casting machine. 1,866,445; July 5.

Bittorf, Louis A., Sterling, assignor to National Manufacturing Company, Sterling, Ill. Sliding door structure. 1,856,235; May 3.

Bittorf, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Friction hinge. 1,867,346; July 12.

Bittorf, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Door holding device. 1,880,711; Oct. 4.

Bittorf, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Door holding device. 1,880,712; Oct. 4.

Bittorf, Louis A., assignor to National Manufacturing Company, Sterling Ill. Door holding device. 1,880,713; Oct. 4.

Bixby, Edward C., Salina, N. Y. Timer mechanism. 1,873,531; Aug. 23.

Bixby, Leo A., assignor to Unit Corporation of America, Milwaukee, Wis. Disk clutch. 1,863,182; June 14.

Bixby, Leo A., assignor to Fuller & Sons Manufacturing Co., Kalamazoo, Mich. Clutch. 1,874,229; Aug. 30.

Bixby, Leo A., assignor to Fuller & Sons Manufacturing Co., Kalamazoo, Mich. Transmission. 1,877,794; Sept. 20.

Bixby, Leo A., assignor to Unit Corporation of America, Milwaukee, Wis. Speed transmission. 1,886,154; Nov. 1.

Bixby, Leo A., assignor to Unit Corporation of America, Milwaukee, Wis. Multiple disk clutch. 1,886,865; Nov. 8.

Bixby, Walter. (See Hathaway, E. F., and Bixby.)

Bixby, Walter, Boston, Mass. Tube frame spool. 1,880,400; Oct. 4.

Bizzarri, Anthony, New York, N. Y. Lubricating device and the like. 1,857,803; May 10.

Bizzarri, Anthony, New York, N. Y. Hydraulic grease dispensing system. 1,885,220; Nov. 1.

Bizzell, Carey K., Elizabeth, N. J., and J. E. Bizzell, Brooklyn, N. Y. Treating edible nuts. Re18,703; Dec. 27.

Bizzell, Carey K., Elizabeth, N. J., and J. E. Bizzell, Brooklyn, N. Y. Treating edible nuts. 1,887,256; Nov. 8.

Bizzell, James Eustace. (See Bizzell, Carey K.)

Bizzell, James E. (See Bizzell, Carey K., and J. E.)

Björkman, George E., Djursholm, Sweden. Control for hair waving apparatus. 1,849,931; Jan. 12.

Björkman, George E., Djursholm, Sweden, and J. Geloso, New York, N. Y. Permanent waving apparatus. 1,879,653; Sept. 27.

Bjorkstedt, William G., Jamaica, assignor to Doherty Research Company, New York, N. Y. Zircon refractory. 1,872,876; Aug. 23.

Bjora, Aleth, Brooklyn, assignor to N. L. Whitaker, Fulton, and R. S. Ament, New York, N. Y. Photographic lens and applying the same. 1,849,931; Jan. 12.

Björndal, Magnus, Salt Lake City, N. J., and E. A. Wick, Brooklyn, N. Y. Variable speed gearing. 1,883,500; Oct. 18.

Bjornseth, Jacob J., Kelvin, N. Dak. Lock and anchor for wolf snares. 1,841,872; Jan. 19.

Björnson, Bernard T., Duluth, Minn. Vending machine. 1,885,324; Nov. 1.

Bjornson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuit. 1,870,015; Jan. 5.

Björnson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated relay circuits. 1,873,268; Aug. 17.

Björnson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,873,268; Aug. 23.

Bjornson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated repeater circuit. 1,866,559; July 12.

Bjornson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,873,268; Aug. 23.

Björnson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas-filled tube circuits. 1,880,714; Oct. 4.

Björnson, Björn G., New York, N. Y., A. W. Horton, jr., East Orange, and A. C. Norwine, Passaic, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,880,715; Oct. 4.

Bjorson, Carl J. (See Siebert, O. W., and Bjorson, assignors.)

Bjornstad, Milo L., Duluth, Minn. Cigarette ash and spark protector. 1,858,180; May 10.

Black-Clawson Company. (See Whistler, David B., assignor.)

Black, Charles E. (See Robinson, A. E., and Black.)

Black-Clauson Company, The. (See Brooks, H. L., and O'Fynn, assignors.)

Black-Clawson Company. (See Crawford, Cliff R., assignor.)

Black-Clawson Company, The. (See Martindale, Homer D., assignor.)

Black-Clawson Company, The. (See Spayd, Noah P., assignor.)

Black, Corydon W., Council Grove, Kans. Electrical sound reproducer. 1,866,921; July 12.

Black, Cyrus A. (See Mayrott, Fred, assignor.)

Black and Decker Electric Company, The. (See Spielman, Milton H., assignor.)

Black & Decker Manufacturing Company, The. (See Connell, Edwin L., assignor.)

Black and Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)

Black & Decker Manufacturing Company, The. (See Fleming, Jared B., assignor.)

Black & Decker Manufacturing Company, The. (See Raney, Blaine B., assignor.)

Black & Decker Manufacturing Company, The. (See Schouten, Frank, assignor.)

Black & Decker Manufacturing Company, The. (See Tschudi, Erwin W., assignor.)
Black, Edward R., assignor to Black Systems Inc., Chicago, Ill. Roofing shingle. 1,849,785; Mar. 15.
Black, Edward R., assignor to Black Systems, Inc., Chicago, Ill. Building covering. 1,890,928; Dec. 13.
Black, Ernest W., and G. L. Hall, Washington, D. C., assignors to Swimsafe Products Company, Memphis, Tenn. Buoyant garment construction. 1,842,653; Jan. 26.
Black, George E. Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Fastening device or clip. 1,889,770; Dec. 6.
Black, George W., Olivia, Minn. Surfacing tool. 1,846,180; Feb 23.
Black, Harold M., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Cylindrical tank furnace. 1,841,464; Jan. 19.
Black, Harold S., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuits for electric discharge devices. 1,859,494; May 24.
Black, Horace D., (See Webb, Christopher F., assignor.)
Black, Horace D., Uxbridge, England. Ticket-issuing machine. 1,886,626; Nov. 8.
Black, Horace D., Uxbridge, England. Ticket-issuing machine. 1,886,627; Nov. 8.
Black, James E., assignor to National Pavements, Incorporated, Kansas City, Mo. Paving mixture. 1,862,502; June 7.
Black, James E., East Orange, N. J., assignor to Black Systems, Inc., Chicago, Ill. Building covering. 1,873,944; Aug. 23.
Black, John C., Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Heating oils. Re18,517; July 12.
Black, John C., Los Angeles, Calif., assignor to Gasoline Products Company, Inc., Newark, N. J. Liner for cracking apparatus. 1,851,999; Apr. 5.
Black, John C., Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc. Heating coil for cracking hydrocarbon oil. 1,880,716; Oct. 4.
Black, John C., Destrehan, Louisiana, assignor to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for heating oil. 1,869,838; Aug. 2.
Black, John C., Beverly Hills, Calif., assignor to Gasoline Products Company, Inc., Wilmington, Del. Cracking and processing petroleum. 1,880,717; Oct. 4.
Black, John C., Los Angeles, W. D. Rial, county of Los Angeles, and J. R. Whittier, assignors, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Imparting a green fluorescence to lubricating oil. 1,849,856; Jan. 26.
Black, John C., Los Angeles, and E. W. Gard, Palos Verdes Estates, Calif. Apparatus for heating and cracking oil. 1,853,739; Feb. 16.
Black, John C., Destrehan, La., and E. W. Gard, Long Beach, Calif. Heating and cracking oil. 1,859,691; May 24.
Black, John C., Los Angeles, W. D. Rial, Los Angeles County, and J. R. McConnell, Whittier, assignors, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Treating lubricating oil stocks. 1,859,692; May 24.
Black, John E. (See Locke, C. E., and Black.)
Black, John E. (See Parker, J. W., and Black.)
Black, John E., Rumson, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchange device. 1,882,474; Oct. 11.
Black, John E., Rumson, assignor to The Babcock & Wilson Company, Bayonne, N. J. Steam generator and process. 1,852,750; Oct. 18.
Black, John E., Rumson, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam temperature regulator. 1,890,245; Dec. 6.
Black, Joseph J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 88,620; Dec. 13.
Black, Joseph J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 1,869,656; Aug. 2.
Black, Joseph J., and C. F. Ofensend, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 88,621; Dec. 13.
Black, Jotham F., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Forehearth. 1,890,174; Dec. 6.
Black, Julia, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 87,193; June 21.
Black, Julia, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 87,194; June 21.
Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Rectifier circuit. 1,869,089; July 26.
Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Control apparatus. 1,869,536; Aug. 2.
Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Combined rectifier and amplifier circuit. 1,876,841; Sept. 13.
Black, Lee J., Beaumount, Tex. Brake. 1,850,912; Mar. 22.
Black, Lee J., Beaumont, Tex. Oil bath construction for rotaries. 1,851,799; Mar. 29.
Black, Lee J., Beaumont, Tex. Control head for oil or gas well. 1,872,104; Aug. 16.
Black, Lee J., Beaumont, Tex. Pressure control head. 1,872,105; Aug. 16.
Black, Lee J., Beaumont, Tex. Water cooled winding drum. 1,879,049; Sept. 27.
Black, Lee J., Beaumont, Tex. Walking beam. 1,885,675; Nov. 1.
Black, Lester C., Los Angeles, Calif. Pump piston. 1,840,880; Jan. 12.
Black, Millard R., Huntington Park, Calif. Drill pipe. 1,843,199; Feb. 2.
Black, Otto E., assignor to The Dayton Air Compressor Company, Dayton, Ohio. Air compressor. 1,849,609; Mar. 15.
Black, Paul T., Dormont, and W. P. Boettner, McKees Rocks, Pa. Drive connection. 1,868,594; July 26.
Black Products Company. (See Lorimer, George W., assignor.)
Black, Robert S., Highland Park, assignor to Pfanstiehl Chemical Company, Waukegan, Ill. Production of galactonic acid and its lactone. 1,864,229; June 21.
Black, Russell, assignor to Commercial Patents Development Company, Huntington, W. Va. Ejector. 1,854,098; Apr. 12.
Black, S. Duncan, et al., executors. (See Brogan, Graham W.)
Black-Sivalls & Bryson Manufacturing Company. (See Kunert, Max J., assignor.)
Black Systems Inc. (See Black, Edward R., assignor.)
Black Systems, Inc. (See Black, James E., assignor.)
Black, Theodore J., and G. E. Young, Canton, Ohio. Pickling basket. 1,883,201; Oct. 18.
Black, Wayne N. (See Parrish, B. E., and Black.)
Black, William A., Montclair, assignor to Travis Process Corporation, Jersey City, N. J. Dispersion machine. 1,874,079; Aug. 30.
Black, William H., New York, N. Y. Safety-razor. 1,859,913; Mar. 22.
Black, William M., Fresno, Calif. Calculating machine. 1,870,705; Aug. 9.
Blackburn, Guy W., assignor to F. W. Gusie, Elgin, Ill. Cigarette case. 1,863,082; June 14.
Blackburn, Jasper, Webster Groves, Mo. Toy. 1,866,697; July 12.
Blackburn, Jasper, Webster Groves, Mo. Cable hanger. 1,875,697; Sept. 6.
Blackburn, Jasper, Webster Groves, Mo. Guy wire clamp and connection. 1,876,133; Oct. 4.
Blackburn, Merrill M., Davenport, Iowa. Score card holder. 1,857,934; May 10.
Blackburn, T. H. (See Douthitt, Walter S., assignor.)
Black Diamond Steamship Corporation. (See Hanlon, Michael J., assignor.)
Blacker, Latham V. S., London, England. Machine gun and small arm. 1,877,237; Apr. 26.
Blackford Window Glass Company. (See Boush, John A., assignor.)
Blackhall, John R. (See Pardee, Harvey S., assignor.)
Blackhall, John R., Highland Park, and H. S. Pardee, Ravinia, Ill.; said Pardee assignor to said Blackhall. Railway car. 1,845,223; Feb. 16.
Blackhall, John R., Highland Park, and H. S. Pardee, Ravinia, Ill.; said Pardee assignor to said Blackhall. Railway car. 1,851,049; Mar. 29.
Blackhall, John R., Highland Park, and H. S. Pardee, Ravinia, Ill.; said Pardee assignor to said Blackhall. Railway car. 1,861,778; June 7.
Blackhall, John R., Highland Park, and H. S. Pardee, Ravinia, Ill.; said Pardee assignor to said Blackhall. Railway car. 1,870,227; Aug. 9.
Blackhawk Manufacturing Company, The. (See Pfauser, Edward M., assignor.)
Blackie, Alfred, London, England. The method and apparatus for the measurement of heat. 1,868,623; July 26.
Blackley, Franklin O. M., Serum Company, The. (See Wright, M. G., and Wootton, assignors.)
Blackman, Alexander, Pensacola, Fla., assignor to Patent Finance and Holding Company. Rotary engine. 1,849,269; Mar. 15.
Blackman, Edward L., Brooklyn, N. Y. Fore and aft rigged vessel. 1,856,459; May 3.
Blackman, Edward L., Brooklyn, N. Y. Fore and aft rigged vessel. 1,856,803; May 3.
Blackman, Edward L., Brooklyn, N. Y. Fore and aft rigged vessel. 1,856,804; May 3.
Blackman, Horace L., Janesville, Wis., assignor, by mesne assignments, to Pen Desk Set Company. Securing means for receiving receptacles for pens. 1,892,499; Dec. 27.
Blackman, Laurence E., Hartsville, S. C. Float preventer for looms. 1,857,936; May 10.
Blackman, Laurence E., Hartsville, S. C. Combined stop motion and float preventer for looms. 1,857,837; May 10.
Blackmer, Albert L., Peterson, Iowa. Automobile heater. 1,892,201; Dec. 27.
Blackmore, Charles C., assignor to The Dayton Toy & Specialty Company, Dayton, Ohio. Connecting device for securing a tire to the rim of a vehicle wheel. 1,846,082; Feb. 23.

Blackmore, Charles C., assignor to The Dayton Toy & Specialty Company, Dayton, Ohio. Bolster for toy vehicles. 1,880,718; Oct. 4.

Blackmore, George W., assignor to Automatic Gas Steam Radiator Company, Pittsburgh, Pa. Radiator attachment. 1,867,305; July 12.

Blackmore, James C., assignor to Automatic Gas Steam Radiator Company, Pittsburgh, Pa. Vent pipe. 1,890,930; Dec. 13.

Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Booster brake. 1,863,825; June 21.

Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Oil filter. 1,872,229; Aug. 16.

Blackmore, Lloyd, assignor to Terastedt Manufacturing Company, Detroit, Mich. Hood latch. 1,874,230; Aug. 30.

Blackmore, William, and E. Bell, Sharon, Pa., assignors of one-third to W. C. Blackmore, Cleveland, Ohio. Combined spring clip and snubber. 1,867,203; July 12.

Blackmore, William C. (See Blackmore, William, and E. Bell, assignors.)

Black Rose Manufacturing Company, The. (See Messinger, Lester H., jr., assignor.)

Blackshere, Lewis D., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,865,819; July 5.

Blackstock, Gibbs, Toronto, Ontario, Canada. Change gear device. 1,877,383; Sept. 13.

Blackstone Manufacturing Company. (See More, Glenn, assignor.)

Blackwell, Stephen R., East St. Louis, Ill. Puddling machine. 1,849,903; Mar. 15.

Blackwell and Sunde Better Surveys, Limited. (See McCoy, A. G., and Sunde, assignors.)

Blackwell & Sunde, Incorporated. (See Beck, Ernest J., assignor.)

Blackwood, Conover. (See Garber, L. H., Hall, and Blackwood, assignors.)

Blackwood, Oswald H., and P. G. Exline, Pittsburgh, Pa., assignors to The Koppers Company of Delaware. Method of and apparatus for measuring vapor. 1,880,720; Oct. 4.

Bladholm, George L., Chicago, Ill. Multiple electric fuse. 1,855,986; Apr. 19.

Bladorn, Herbert W. (See Moore, Frank H., assignor.)

Blahnik, Charles J., West Allis, Wis. Aircraft. 1,871,961; Aug. 16.

Blahut, Otto, assignor of one-half to W. B. Hall, High Point, N. C. Chart holder. 1,850,654; Mar. 22.

Blaich, John, assignor to National Advertising Service Company, Inc., Miami, Fla. Drinking fountain. Des. 87,616; Aug. 23.

Blair, Alfred A., Yonkers, N. Y., assignor to Westinchouse Electric Elevator Company, Chicago, Ill. Signaling system for elevators. 1,865,166; June 28.

Blair, Duane A. (See Webb, J. B., and Blair.)

Blair, Duane A., and Sink, Blair, and Sink.)

Blair, Emil. (See Ellis, Herbert L., assignor.)

Blair, George W. (See Hutter, C. J., and Blair.)

Blair, Harold J., Pleasant Ridge, assignor to Ford Motor Company, Dearborn, Mich. Radiator shell construction. 1,840,881; Jan. 12.

Blair, Henry D., and Wm. West, Johnson City, assignors to Endicott Johnson Corporation, Endicott, N. Y. Gauge for shoe nailing machines. 1,856,626; Nov. 8.

Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,848,102; Mar. 8.

Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming and annealing sheet glass. 1,848,103; Mar. 8.

Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process of and apparatus for producing sheet glass. 1,848,153; Mar. 8.

Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for the manufacture of sheet glass. 1,848,154; Mar. 8.

Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing means. 1,854,394; Apr. 19.

Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for the manufacture of glass. 1,865,820; July 5.

Blair, Mark L., assignor to C. C. Stark Plug Company, Flint, Mich. By-pass for air cleaners. 1,853,496; Apr. 12.

Blair, Robert C., Stamford, Conn. Wave motor. 1,868,087; July 19.

Blair, Robert S. (See Dieterich, Ludwig M., assignor.)

Blair, Robert S., Stamford, Conn. Art and apparatus for indelible marking. 1,865,610; July 5.

Blair, Robert S., Stamford, Conn. Case for toilet articles and the like. 1,867,347; July 12.

Blair, Robert S., Stamford, Conn. Art and apparatus for games. 1,868,088; July 19.

Blair, Robert S., Stamford, Conn. Claw hammer. 1,869,129; July 26.

Blair, Robert S., Stamford, Conn. Soap making. 1,891,744; Dec. 20.

Blair, Robert S., Stamford, Conn., assignor to Evans Case Company, North Attleboro, Mass. Lighter construction. 1,891,020; Dec. 13.

Blair, Rolandis A., Columbus City, Ind. Rail anchor 1,882,654; Oct. 18.

Blair, Russell M., Norwood, assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radio telegraph circuit. 1,855,509; Apr. 26.

Blair Strip Steel Company. (See Lewis, Lester L., assignor.)

Blair, William M. (See Miller, Royal R., assignor.)

Blair, William M. (See North, R. B., Hough, and Miller, assignors.)

Blair, William R., and L. Cohen, Washington, D. C. Radio signaling. 1,884,536; Oct. 25.

Blair, William R., and L. Dunn, Washington, D. C. Radio signaling. 1,884,537; Oct. 25.

Blaisdell, Sidney B., Wyncote, assignor to Fidelity Machine Company, Philadelphia, Pa. Bonded brake lining and machine for making same. 1,885,676; Nov. 1.

Blaisdell, Sidney B., Wyncote, assignor to Fidelity Machine Company, Philadelphia, Pa. Braided product and making the same. 1,891,211; Dec. 13.

Blake, Arthur J., and F. J. Tiffany, assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Electric switch. 1,866,922; July 12.

Blake, Cecil J., Manchester, N. H., assignor to J. Hammond Stewart, Lynn, Mass. Counter machine with flange plate waxing means. 1,874,429; Aug. 30.

Blake, Clifton F. (See La Payne, Rex.)

Blake, David K., Scotia, N. Y., assignor to General Electric Company. System of electric distribution. 1,853,954; Apr. 12.

Blake, Dennis B. D., assignor of one-half to D. E. Willard, Danville, Ill. Shock absorber. 1,890,311; Dec. 6.

Blake, Earl L., Tacoma, Wash. Friction brake. 1,882,173; Oct. 11.

Blake, J. J., Buffalo, assignor, by mesne assignments, to Simplix Equipment Company, Inc., New York, N. Y. Turbine generator set. 1,862,919; June 14.

Blake, Ill J., Buffalo, assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electrical switch arrangement. 1,886,629; Nov. 8.

Blake, Frank W., Chicago, Ill., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Drop pit apparatus. 1,849,972; Mar. 15.

Blake, Fred, Indianapolis, Ind. Bicycle and motorcycle seat. 1,858,477; May 17.

Blake, Frederick W. (See Steeley, D. G., and Blake.)

Blake, George E., assignor to Forsythe Metal Goods Company, Inc., East Aurora, N. Y. Automobile heater. 1,884,538; Oct. 25.

Blake, Joseph E., Gardner, Mass. Toy handcuffs. 1,883,502; Oct. 18.

Blake, Maurice A., assignor to New Jersey State Agricultural Experiment Station, New Brunswick, N. J. Peach. Pl. Pt. 31; Oct. 4.

Blake, Ralph A. (See King, R. J., and Blake.)

Blake, Thomas E., Santa Monica, Calif. Water sled. 1,872,200; Aug. 16.

Blakely, Clarence E., Mapleton, Iowa. Curtain rod. 1,841,357; Jan. 19.

Blakely, Sidney R., Boston, Mass. Die. 1,848,821. Mar. 8.

Blakely, William W., Dexter, Mich. Vehicle holddown. 1,848,920; Mar. 8.

Blakely, William W., Dexter, Mich. Vehicle holddown. 1,848,989; Mar. 8.

Blakeman, Arthur C., North Arlington, N. J., assignor to Westinghouse Lamp Company. Electrode spacer member for electron discharge devices. 1,870,943; Aug. 9.

Blakeslee, Arthur L., assignor to Kalamazoo Stove Company, Kalamazoo, Mich. Cooking stove or similar article. Des. 87,456; Aug. 2.

Blakeslee, Fred J., assignor to American Seating Company, Grand Rapids, Mich. Furniture construction. 1,875,698; Sept. 6.

Blakeslee, G. S., & Co. (See Anstiss, George P., assignor.)

Blakeslee, George R. (See Noll, Joseph C., assignor.)

Blakeslee, Henry J., Marlboro, Conn. Teapot. 1,879,654; Sept. 27.

Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Electrical terminal block. 1,891,212; Dec. 13.

Blakeslee, Jerome K., assignor to American Steel Foundries, Chicago, Ill. Slack adjuster. 1,844,115; Feb. 9.

Blakeslee, Jerome K., assignor to American Steel Foundries, Chicago, Ill. Pin lock. 1,872,655; Aug. 23.

Blakesley, George W., Kansas City, Mo. Gas burner. 1,880,719; Oct. 4.

Blakesley, George W., Kansas City, Mo. Gas burner. 1,886,866; Nov. 8.

Blake-Smith, L. (See Meinzer, Gotthold H., assignor.)

Blaker, David T. (See Gottschalk, C., and Blakey.)

Blalock, James E., Pacific Palisades, Calif. Liquid meter. 1,873,106; Aug. 23.

Blanc, Gian A., Rome, Italy. Separation of aluminum nitrate from potassium, sodium, iron, calcium, magnesium nitrates, present in mixed solutions of these salts. 1,845,224; Feb. 16.

Blanc, Gian A., Rome, Italy. Removal of colloidal silica from mixed solutions obtained during the treatment of silicates with acids. 1,851,033; Mar. 29.

Blanch, Eric A., Strand, London, England, assignor to Williams Sealing Corporation, Decatur, Ill. Cap for closing bottles, jars and other containers. 1,871,945; Aug. 16.

Blanchard, Edward C., Washington, D. C. Closure cap for gasoline tanks. 1,889,056; Nov. 29.
Blanchard, Frederick C., Detroit, Mich. Oiling system. 1,852,229; Apr. 5.
Blanchard, Frederick C., Detroit, Mich. Feeding lubricant. 1,889,235; Nov. 29.
Blanchard, Frederick W., Montreal, Quebec, assignor to John S. Metcalf Company Limited, Montreal, Canada. Clutch control mechanism. 1,880,721; Oct. 4.
Blanchard, George N., assignor to Veitch Manufacturing Company, Oakland, Calif. Adjuster. 1,848,601; Mar. 8.
Blanchard, Harold F., Tuckahoe, N. Y. Accelerometer. 1,842,044; Jan. 26.
Blanchard, James F., Huntington Park, Calif. Therapeutic gas generator. 1,839,193; Jan. 5.
Blanchard, Leonard S. (See Willshaw, H., and Blanchard.)
Blanchard, Maybelle J. (See Blanchard, Owen W. and M. J.)
Blanchard, Owen W. and M. J., Chicago, Ill. Bowling alley. 1,859,284; May 24.
Blanchard, Robert L., assignor to Van Kannel Revolving Door Company, New York, N. Y. Full collapsible panic-proof revolving door. 1,890,365; Dec. 6.
Blanchard, Walter P., Winthrop, Mass., assignor to General Electric Company. Recording instrument. 1,847,918; Mar. 1.
Blanchard, Werner J., Hempstead, N. Y., assignor to Curtis Aeroplane & Motor Company, Inc. Propeller. 1,869,182; July 26.
Blanchet, Orilla J., New Bedford, Mass. Induction electric furnace. 1,878,438; Sept. 20.
Blanck, Joseph F., Lansdowne, Md. Game. 1,867,053; July 12.
Blanck, August C., Chicago, Ill. Air inlet valve for internal combustion engines. 1,883,368; Nov. 8.
Blanckertz, Rudolf, assignor to Firm Heintze & Blanckertz, Berlin, Germany. Engraving tool. 1,850,655; Mar. 22.
Blandford, Francis W., Prince Albert, Saskatchewan, Canada. Shock absorber. 1,879,050; Sept. 27.
Blanding, Robert L., Providence, R. I. Water heater. 1,866,078; July 5.
Blaney, William T., Detroit, Mich., assignor of one-half to J. R. Sanders, London, Ontario, Canada. Street sweeper. 1,845,740; Feb. 16.
Blanford, Florence. (See Dewitz, Paul W. H., assignor.)
Blank, Anna M. (née Lechner). (See Blank, Rudolph, assignor.)
Blank, Carl, Bonn-on-the-Rhine, Germany. Surgical bandage. 1,852,040; Apr. 5.
Blank, Charles E., Allied Inst. N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Variable clearance pocket for compressors. 1,856,460; May 3.
Blank, George W., Newark, N. J. Toy. 1,844,713; Feb. 9.
Blank, Rudolph, assignor to A. M. Blank, née Lechner, Emerson, N. J. Exercising apparatus. 1,877,218; Sept. 13.
Blankenhagen, Albert, Akron, Ohio. Fire extinguisher. 1,878,869; Sept. 20.
Blann, Jesse A., Syracuse, N. Y. Toilet roll labeling machine. 1,839,827; Jan. 5.
Blanton, William B., Westfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Call distributing system for concentration circuits. 1,880,722; Oct. 4.
Blanton, William B., Westfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Message distributing system for simplex printer concentration units. 1,880,723; Oct. 4.
Blanton, William B., Westfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Locating an operator working any line. 1,880,724; Oct. 4.
Blashfield, Floyd A., assignor to Scanlon-Morris Company, Middlison, Wis. Electric switch. 1,873,269; Aug. 23.
Blashill, Arthur B., Montreal, Quebec, Canada. Mechanism for supplying lengths of wire. 1,843,104; Feb. 2.
Blaskewitz, William, and J. Ironside, assignors, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Fire pot structure. 1,846,013; Feb. 23.
Blatter, Donald L., assignor to Erie City Iron Works, Erie, Pa. Fine fuel controlling means. 1,851,034; Mar. 29.
Blatter, Walter. (See Bertoncini, M., and Blatter, assignors.)
Blatterman, Albert S., Asbury Park, N. J. Remote control system for radioreceivers. 1,856,310; May 3.
Blattler, Louis, Mohriand, Utah. Water diverting system. 1,843,799; Feb. 9.
Blattner, Carl F., Los Angeles, Calif. Dispensing attachment for bottles, jugs, or the like. 1,887,881; Nov. 15.
Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,853,955; Apr. 12.
Blattner, Emil H., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Railway truck. 1,842,007; Jan. 19.
Blattner, Emil H., Rochester, assignor to The Symington Company, New York, N. Y. Draft gear. 1,884,539; Oct. 25.
Blatz, Peter A., Westover Hills, Del. Treating leather. 1,877,119; Sept. 13.
Blau, Henry H., assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Incandescent electric lamp bulbs. 1,875,981; Sept. 6.
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Torsion balance. 1,861,229; May 31.
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Apparatus for measuring relative values of gravity. 1,888,976; Nov. 29.
Blauner, John. (See Bryant, F. D., and Blauner.)
Blauvelt, Harry A., New York, and J. E. Schelberg, Roscdale, N. Y. Printing press sheet delivery frame. 1,851,972; Apr. 5.
Blaw-Knox Company. (See Andrews, R. W., and Bradshaw, assignors.)
Blaw-Knox Company. (See Bradshaw, Grant D., assignor.)
Blaw-Knox Company. (See Bradshaw, G. D., and Andrews, assignors.)
Blaw-Knox Company. (See French, Alfred W., assignor.)
Blaw-Knox Company. (See Jenner, R. L., and Chester, assignors.)
Blaw-Knox Company. (See McCrery, Harold E., assignor.)
Blaw-Knox Company. (See McDonnell, Edward J., assignor.)
Blaw-Knox Company. (See Miscampbell, Hugh, assignor.)
Blaw-Knox Company. (See Moler, Harry A., assignor.)
Blaw-Knox Company. (See Robertson, Ralph N., assignor.)
Blaw-Knox Company. (See Robertson, R. N., and Miner, assignors.)
Blaw-Knox Company. (See Robinson, George L., assignor.)
Blaw-Knox Company. (See Venable, William M.)
Blaw-Knox Company. (See Venable, William M., assignor.)
Blaw-Knox Company. (See Wolf, Anthony S., assignor.)
Blayney, Wilson L., assignor to Marshall Field & Company, Chicago, Ill. Scarf and making the same. 1,865,821; July 5.
Blazek, John Y., Cleveland, assignor to Lempco Products, Inc., Maple Heights, Ohio. Brake drum and shield assembly. 1,887,478; Nov. 8.
Blazer, Earl H., Merriam, Kans. Pin fastener. 1,873,270; Aug. 23.
Blázquez, Augustin, Central Baguanos, Cuba. Vehicle tire. 1,856,983; May 3.
Blenn, Edgar W., Philadelphia, Pa., assignor to Atlas Manufacturing Company. Meat sawing apparatus. 1,872,656; Aug. 23.
Blichfoisen, and Dukatfabrik K. G. (See Eisenlohr, Friedrich, assignor.)
Blick, Henry B., Waukegan, Ill. Air cell expansion joint. 1,882,225; Oct. 4.
Bleckley, Frederick W., East Orange, N. J. Supporting device for kitchen utensils and the like. 1,892,500; Dec. 27.
Bledsoe, Calvin H., assignor of twenty-five per cent to G. Williams and twenty-four per cent to F. Williams, Hazard, Ky. Automatic air-hand brake. 1,889,014; Nov. 29.
Bledsoe, Carl F., assignor to Ogle Construction Co., Chicago, Ill. Coal handling plant. 1,867,547; July 19.
Bleecher, Warren H., Boulder, Colo. Treating petroleum. 1,862,952; June 14.
Blehert, Maurice B., St. Paul, Minn. Garment. 1,891,400; Dec. 27.
Bleibler, Ernst, Winterthur, Switzerland, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Apparatus for drying webs, strips, films, or sheets as manufactured from cellulose products. 1,890,568; Dec. 13.
Bleich, Morris. (See Longbotham, T., and Bleich.)
Bleicher, Adolph & Co. A.-G. (See Rubin, Adolf, assignor.)
Bleicher, Clarence E., assignor to Chrysler Corporation, Detroit, Mich. Projection welding. 1,872,394; Aug. 16.
Bleichert, Adolf, & Co., A.-G. (See Muller, Max, assignor.)
Bleil, Clarence J., Los Angeles, Calif. Extracting oils. 1,840,149; Jan. 5.
Blenker, John, Neenah, Wis. Combination service tray and plate. 58,283; Nov. 15.
Blenko, Walter J., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Rotary inlaying machine. 1,857,619; May 10.
Blessing, Alexander F., Indiana, Pa. Post saw. 1,847,919; Mar. 1.
Blesso, Rocco, Hartford, Conn. Street outlet box for electrical connections. 1,843,569; Feb. 9.
Bletcher, Ralph E., and E. H. Bucknell, Los Angeles, Calif. Combined mixing and diverting valve. 1,878,097; Sept. 20.
Bletso, Bruce N., Cleveland Heights, and F. W. Lorig, Lakewood, Ohio. Rod reeling mechanism. 1,850,492; Mar. 22.
Bletso, Bruce N., Cleveland Heights, and W. V. Magee, Lakewood, Ohio. Rod bundle transfer mechanism. 1,869,354; Aug. 2.
Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,873,271; Aug. 23.
Bleustein, Ben. New York, N. Y. Infant's folding bathtub. 1,870,488; Aug. 9.
Blevins, Leonard C., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Watthour meter ratchet. 1,843,538; Feb. 2.

Bleveny, John C., New Rochelle, N. Y. Stapling machine. 1,859,951; May 24.
Bley, Gustav. (See Harron, J. A., Diamond, and Bley.)
Bleyer, Charles F., Lorain, Ohio. Furnace pressure regulator. 1,853,497; Apr. 12.
Bleyer, Lloyd G., assignor to Chain Belt Company, Milwaukee, Wis. Endless traveling water screen. 1,874,736; Aug. 30.
Blichert, F. A., Manufacturing Company. (See Bicks, Jens W., assignee.)
Blickhahn, George R., Chicago, Ill. Belt buckle. 1,882,475; Oct. 11.
Blier, Isaak F., New York, N. Y. Roasting apparatus. 1,871,654; Aug. 16.
Blink, Peter, West Allis, assignor to Mitchell Manufacturing Co., Milwaukee, Wis. Revolving swing construction. 1,854,173; Apr. 19.
Blinn, Harry M., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Sugared doughnut and its manufacture. 1,855,818; Apr. 26.
Blinn, Harry M., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Spray coating for alimentary products. 1,882,476; Oct. 11.
Blish, Russell A., and A. P. Jorgenson, assignors, by mesne assignments, to Hamilton Beach Manufacturing Company, Racine, Wis. Drink mixer. 1,843,315; Feb. 2.
Bliss, Andrew R., jr., Memphis, Tenn., and G. S. Bliss, Brooklyn, N. Y. Animal cage. 1,878,459; Sept. 20.
Bliss, E. W., Company. (See Crane, Edward V., assignor.)
Bliss, E. W. Company. (See Dieter, William, assignor.)
Bliss, E. W., Company. (See Gueritey, Charles, assignor.)
Bliss, E. W. Company. (See Kruse, Peter, assignor.)
Bliss, E. W., Company. (See Page, Frank C. B., assignor.)
Bliss, E. W., Company. (See Strout, Robert W., assignor.)
Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Device for measuring cubic capacity of shoes. 1,873,532; Aug. 23.
Bliss, George S. (See Bliss, Andrew R., jr., and G. S.)
Bliss, H. R., Co. (See Bliss, H. R., and Allen, assignors.)
Bliss, H. R. Company Inc. (See Bliss, H. R., and Allen, assignors.)
Bliss, Harry G., Richfield Springs, N. Y. Garment hanger attachment. 1,863,649; June 21.
Bliss, Herbert R., and H. G. Allen, assignors to H. R. Bliss Company, Niagara Falls, N. Y. Apparatus for sealing shipping cases. 1,846,945; Feb. 23.
Bliss, Herbert R., and H. G. Allen, assignors to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Portable wire stitching machine. 1,855,178; Apr. 26.
Bliss, Herbert R., and H. G. Allen, assignors to H. R. Bliss Co., Inc., Niagara Falls, N. Y. Drum container. 1,869,692; Aug. 2.
Bliss, Herbert R., and H. G. Allen, assignors to H. R. Bliss Co., Inc., Niagara Falls, N. Y. Stitching machine. 1,869,736; Aug. 2.
Bliss, Malcolm G., North Grafton, assignor to Heywood Boot & Shoe Company, Worcester, Mass. Filler inserting machine. 1,866,917; July 12.
Bliss, Robert H., East Syracuse, N. Y. Metallic window construction. 1,844,002; Feb. 9.
Blitch, Marius J., Scotia, Calif. Golf bag construction. 1,840,183; Jan. 5.
Bliven, Charles E., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass scoring device. 1,853,498; Apr. 12.
Blizard, John, Garden City, assignor to Foster Wheel Corporation, New York, N. Y. Fuel burner. 1,879,652; Sept. 27.
Bloch Freres, Inc. (See Tansley, Thomas W., assignor.)
Bloch, Isabelle H. M., Chicago, Ill. Combined flashlight and reading glass. 1,854,968; Oct. 25.
Bloch, Jacob, and A. G. Wagner, assignors to The Wolf Machine Company, Cincinnati, Ohio. Cloth cutting machine. 1,866,977; July 12.
Bloch, Leon, Cleveland, Ohio, assignor, by mesne assignments, to Speakman Company, Wilmington, Del. Shower bath head. 1,863,548; June 14.
Bloch, Samuel M., Cleveland, Ohio, assignor to The Fintex Corporation, Detroit, Mich. Cloth laying machine. 1,841,703; Jan. 19.
Block, David J., Chicago, assignor to Apollo Metal Works, La Salle, Ill. Chromium plating process. 1,852,797; Apr. 5.
Block, Harold H. (See Wood, R. T., and Block.)
Block, Herman W., New York, and B. H. Christenson, North White Plains, assignors to S. Stein & Co., New York, N. Y. Display container. 1,878,813; Sept. 20.
Block, Joseph, Brooklyn, N. Y. Illuminated device. 1,876,448; Sept. 6.
Block, Joseph, Brooklyn, N. Y. Electric illuminating device. 1,844,738; Nov. 15.
Block, Joseph, Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Tree support. 1,853,164; Apr. 12.
Block, Joseph, Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Decorative illuminating device. 1,869,321; July 26.
Block, Leon, Cleveland Heights, Ohio. Waste pipe fitting. 1,879,089; Aug. 2.
Block, William L., Chicago, Ill., assignor to American Can Company. New York, N. Y. Display device. 1,884,540; Oct. 25.
Blodgett, Charles A., assignor to Eastern Manufacturing Company, South Brewer, Me. Purification and bleaching of cellulosic materials. 1,855,332; Apr. 26.
Blodgett Nut Company. (See Pickett, Edwin, assignor.)
Bloede, Victor G., Catonsville, and E. L. Greensfelder, assignors to Victor G. Bloede Company, Baltimore, Md. Treating seeds to remove the seed coats and to separate out the endosperms. 1,849,786; Mar. 15.
Bloede, Victor G., Company. (See Bloede, V. G., and Greensfelder, assignors.)
Blohm, August H., Orange, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Feeding device. 1,845,476; Feb. 16.
Blohm, August H., Orange, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Opaque projection screen. 1,859,761; May 24.
Blohm, Carl jr., Silvis, Ill. Clinker extractor. 1,884,541; Oct. 25.
Blomberg, Knut H., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Switching arrangement in telephone plants. 1,855,037; Apr. 19.
Blomberg, Knut H., Appelviken, and S. D. Vigren, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Switching arrangement for telephone plants. 1,868,378; July 19.
Blome, August B., St. George, assignor to The Superheater Company, New York, N. Y. Water tube fire-box baffle. 1,852,284; Apr. 5.
Blome, Harry L., Stonington, Ill. Tongs. 1,843,660; Feb. 2.
Blomén, Torsten A. (See Blomquist, J. V., and Blomén.)
Blomquist, Anders B., Detroit, Mich. Dial indicator. 1,842,502; Jan. 26.
Blomquist, August R., Cleveland Heights, assignor to The Blomquist Manufacturing Company, Cleveland, Ohio. Manicuring machine. Des. 86,511; Mar. 15.
Blomquist, Ernst, Lombard, Ill. Fuse. 1,887,281; Nov. 8.
Bloomquist, Ernst, Lombard, Ill. Fuse. 1,887,369; Nov. 8.
Blomquist, Johan V., assignor to Aktiebolaget Atmos, Stockholm, Sweden. Rotating boiler. 1,882,379; Oct. 11.
Blomquist, Johan V., Stockholm, Sweden, and M. Ehlinger, Mulhouse, France, assignors to Aktiebolaget Atmos, Stockholm, Sweden. Rotating steam boiler. 1,855,819; Apr. 26.
Blomquist, Johan V., and T. A. Blomén, assignors to Aktiebolaget Atmos, Stockholm, Sweden. Rotating steam generator. 1,857,710; May 10.
Blomquist Manufacturing Company, The. (See Blomquist, August R. R., assignor.)
Blomstrom, Lowell C., assignor to Federal-Mogul Corporation, Detroit, Mich. Apparatus for verifying articles produced in quantity. 1,862,908; May 5.
Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Forming half bearing shells and resultant article. 1,868,655; July 26.
Blondel, André, Paris, France. Synchronized remote control system. 1,874,430; Aug. 30.
Blondin, Joseph, Los Angeles, Calif. Canard type airplane. 1,839,194; Jan. 5.
Blondin, Joseph, Los Angeles, Calif. Composite control surface for airplanes. 1,862,199; Apr. 5.
Blondin, Joseph, Los Angeles, Calif. Outrigger frame, fore and aft control type airplane. 1,856,532; May 3.
Blondin, Joseph, Los Angeles, Calif. Thermoaerostat. 1,866,079; July 5.
Blondin, Michel C., Meudon, France. Massaging device. 1,889,345; Nov. 29.
Blondin, Peter E., North Tonawanda, N. Y. Stringed musical instrument. 1,883,503; Oct. 18.
Blood, George E., assignor to The Foote Company, Inc., Nunda, N. Y. Water measuring tank for concrete pavers. 1,879,051; Sept. 27.
Blood, Harold L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Fluid actuated device. 1,880,727; Oct. 4.
Blood, Harold L., Oak Park, and H. O. Olson, La Grange Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,855,877; Apr. 26.
Blood, Howard E., assignor to Norge Corporation, Detroit, Mich. Water cooler. 1,860,379; May 31.
Blood, Howard E., assignor to Norge Corporation, Detroit, Mich. Water reservoir. 1,867,130; July 12.
Blood, Howard E., Detroit, Mich., assignor to Norge Corporation. Freezer. 1,882,751; Oct. 18.
Blood, Howard E., Detroit, Mich., assignor to Norge Corporation. Electric refrigerator assembly. 1,882,752; Oct. 18.
Blood, Howard E., and R. G. Nelson, Detroit, Mich., assignors to Norge Corporation. Direct connected motor and compressor. 1,870,228; Aug. 9.
Blood, Louis H., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Broaching machine. 1,848,044; Mar. 1.
Bloodgood, John Van S., Setauket, N. Y. Fly paper support. 1,861,378; May 31.
Bloom, Edward, Paterson N. J. Shuttle. 1,881,167; Oct. 4.
Bloom, Harry. (See Bloom, M. B., and Bernstein, assignors.)
Bloom, Karl. New York, N. Y. Collapsible table. 1,839,783; Jan. 5.

Bloom, Morris B., and J. L. Bernstein, assignors of one-third to Harry Bloom, Hartford, Conn. Switch. 1,840,691; Jan. 12.
Bloom, Simon, New York, N. Y. Headgear. 1,883,756; Oct. 18.
Bloomer Bros. Company. (See Inman. Harry A., assignor.)
Bloomsburg Silk Mill. (See Gentile, Robert, assignor.)
Bloss, Richard R., Columbus, Ohio. Fluid cooled brake drum. 1,853,401; Apr. 12.
Bloss, Richard R., and R. C. Pfeil, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Method and apparatus for forming corrugated metal. 1,856,151; May 3.
Blosser, Herman G. (See Nicholson, F. H., and Blosser,)
Blosser, John B., Cooks, Mich. Stepladder. 1,873,107; Aug. 23.
Blott, John F. (See Gabriel, L. G., and Blott.)
Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand working apparatus. 1,860,076; May 24.
Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand working machine. 1,860,130; May 24.
Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drilling mechanism. 1,880,728; Oct. 4.
Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping mechanism. 1,880,729; Oct. 4.
Blow, George, New York, N. Y. Combustion engine. 1,876,599; Sept. 13.
Bludworth, Timothy F., Summit, N. J. Electric control apparatus. 1,854,683; Apr. 19.
Blue, Edward W. (See Phillips, S. Blue, and Phillips.)
Blue, Frank S., Carthage, N. C. Combined bulletin and blackboard. 1,852,000; Apr. 5.
Blue, Glenn A., assignor of one-half to R. G. Roberts, Emporia, Kans. Combined coffin latch and support. 1,854,576; Apr. 19.
Blue, Harry N., Big Spring, Tex. Box and bearing for railway vehicles. 1,869,795; Aug. 2.
Blue, Sidney, New York, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Undergarment. 1,878,981; Sept. 20.
Bluemel, Gustave, assignor to Drying Systems, Inc., Chicago, Ill. Heater. 1,863,383; June 14.
Blue Ridge Glass Corporation. (See Fond, Leander N., assignor.)
Blum, August, et al. (See Manteufel, August, assignor.)
Blum, Charles. (See Austin, Harry M., assignor.)
Blum, Charles, and E. C. Moore, jr., assignors to Charles Blum Advertising Service, Philadelphia, Pa. Advertising folder. 1,871,774; Aug. 16.
Blum, Charles, Advertising Corporation. (See Blum, C., and Moore, assignors.)
Blum, Ferdinand, Frankfort-on-the-Majn, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Therapeutically valuable substances of the thyroid gland and preparing them. 1,856,533; May 3.
Blum, Gus, and O. Walther, Pass Christian, Miss. Mail loading and unloading crane. 1,876,199; Sept. 6.
Blum, Harry, and F. J. Farley, McKees Rocks, Pa. Automobile signal switch. 1,857,935; May 10.
Blum, Hermann. (See Dicker, Fritz, Greissinger, and Dietrich.)
Blum, Michael, New York, N. Y. Light fixture for dial telephones. 1,868,344; July 19.
Blum, Peter, Halle-on-the-Saale, Germany. Dough dividing machine. 1,859,762; May 24.
Blum, Richard J. (See Kirk, S. W., Blum, and Meuttman.)
Blum, Walter A., Chicago, Ill. Helicopter. 1,848,306; Mar. 8.
Blumm, Louis, Brooklyn, N. Y. Fuse plug. 1,845,225; Feb. 16.
Blume, Henry, Tulare, S. Dak. Tractor guiding device. 1,881,704; Dec. 20.
Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Voltage regulating method and system. 1,847,920; Mar. 1.
Blume, William A., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,867,496; Feb. 9.
Blume, William A., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Friction clamping and making. 1,866,287; July 5.
Blume, William A., Detroit, Mich. assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,867,348; July 12.
Blumenfeld, Arthur A., assignor to General Talking Pictures Corporation, New York, N. Y. Apparatus for microscopic adjusting of optical systems. 1,874,231; Aug. 30.
Blumenfeld, Joseph, Paris, France, assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Preparation of titanium hydroxide. 1,851,487; Mar. 29.
Blumenstock, Louis, Brooklyn, assignor to Spear Box Company, New York, N. Y. Shirt envelope. 1,868,458; July 19.
Blumenthal, Henry S. (See Switzer, Floyd R., assignor.)
Blumenthal, Maurice, Brooklyn, N. Y. Picture hook. 1,858,875; May 17.
Blumenthal, Maurice, Brooklyn, N. Y. Caisson and sinking the same. 1,880,233; Oct. 4.
Blumenthal, Sidney, & Co. (See Ray, Marian, assignor.)
Blumenthal, Sidney, & Co. (See Todd, Juanita, assignor.)
Blumenthal, Sidney, & Co. Inc. (See Holland, Arthur G., assignor.)
Blumer, Alexis. (See Scheiber, J., Sandig, and Blumer.)
Blundell, Beatrice B., Los Angeles, Calif. Piston construction. 1,878,574; Sept. 20.
Blunt, James G. (See Hightchman, James W., assignor.)
Blunt, James G., Schenectady, N. Y. Locomotive boiler support. 1,861,949; June 7.
Blunt, James G., Schenectady, N. Y. Locomotive. 1,871,028; Aug. 9.
Blunt, James G., Schenectady, N. Y., assignor of one-half to J. W. Highleyman, Pocatello, Idaho. Expansion support for locomotive crosshead guides. 1,868,157; July 19.
Blydenburgh, Harold L., assignor to The Moto-Mower Company, Detroit, Mich. Bearing construction. 1,863,615; June 21.
Blyth, John F., Newark, and C. Ellis, Montclair, N. J., assignors to Chadeloid Chemical Company, New York, N. Y. Making arsenical insecticides. 1,884,542; Oct. 25.
Blythe, William E., Birmingham, Mich., assignor to Driver-Harris Company, Harrison, N. J. Heat-treating furnace. 1,843,440; Feb. 2.
Boa, Wilmur W. (See Kenyon, B. C., Boa, and Green.)
Boabands Limited. (See Bradley, Daniel A., assignor.)
Boag, David, Seattle, Wash. Fertilizer sprinkler. 1,873,992; Aug. 30.
Boake, A., Roberts and Company Limited. (See Boake, E. J., and Townsend, assignors.)
Boake, A., Roberts and Company Limited. (See Durrans, Thomas H., assignor.)
Boake, Edmond Johnson, and L. W. E. Townsend, Stratford, London, assignors to A. Boake, Roberts and Company Limited, London, England. Conduct of exothermic acetaldehyde condensation reactions. 1,885,221; Nov. 1.
Board, Edward, assignor to Budd Wheel Company, Philadelphia, Pa. Rim riveting machine. 1,841,004; Jan. 12.
Boardman, Frederick S., assignor to The Fuller Brush Company, Hartford, Conn. Brush making machine. 1,851,537; Mar. 29.
Boardman, Harry C., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Tank. 1,865,822; July 5.
Board of Trustees of Leland Stanford Junior University, The. (See Hamlin, Paul A., assignor.)
Boarts, Otto B., Iowa City, Iowa. Neck grip automatic milk bottle lock. 1,851,891; Mar. 29.
Bobman, Charles A., Waterloo, Iowa. Golf tee. 1,858,800; May 17.
Boatwright, John T., Los Angeles, assignor of one-half to G. E. Heinze, Huntington Park, Calif. Collapsible traffic signal. 1,888,447; Nov. 22.
Bob, Herman D., Brooklyn, N. Y. Soft collar. 1,864,181; June 21.
Bobbin, Louis, A. Simon, and N. Benderson, Troy, N. Y. Baking oven. 1,863,432; June 14.
Bobrick, Arthur L., Los Angeles, Calif. Soap dispenser. 1,845,257; Feb. 9.
Bobrick, Arthur L., Los Angeles, Calif. Wrapping and packing bottles and the like. 1,867,561; July 19.
Bobrick, Arthur L., Los Angeles, Calif. Dispenser for dry materials. 1,885,978; Nov. 1.
Bobrick, Arthur L., Los Angeles, Calif. Soap dispenser. 1,885,979; Nov. 1.
Bobrick Chemical Corporation. (See Palmer, John F., assignor.)
Bobrick, Mayo A., Cleveland Heights, Ohio. Bottle cap. 1,891,794; Dec. 20.
Bobroff, Bornett L., Milwaukee, Wis. Hospital signaling system. 1,867,134; July 12.
Bobroff, Bornett L., Racine, Wis. Switch construction for signaling systems. 1,872,395; Aug. 16.
Bobroff, Bornett L., Racine, Wis. Switch for signaling systems for vehicles. 1,886,078; Nov. 1.
Bobroff, Bornett L., Racine, Wis. Switch for signaling systems for automotive vehicles. 1,886,519; Nov. 8.
Bobrovsky, Igor S., Rochester, N. Y. Sound reproducer. 1,862,174; June 7.
Bocchieri, Corinna, et al. (See Maniscalco, Pietro, assignor.)
Bocchieri, Corinna, et al. (See Maniscalco, P. and J., assignors.)
Bocchieri, Joseph, et al. (See Maniscalco, Pietro, assignor.)
Bocchieri, Joseph, et al. (See Maniscalco, P. and J., assignors.)
Bocchino, Ernest, Newark, N. J. Fire escape ladder. 1,848,557; Mar. 8.
Bocchino, Ernest, Newark, N. J. Roasting pan attachment. 1,888,616; Nov. 22.
Bocek, Tomas. (See Samuels, M. M., and Bocek.)
Bock, Ashley, P., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,876,555; Sept. 15.
Bock, Carl J., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Mounting for power plants. 1,845,393; Feb. 16.
Bock, Charles, assignor to Andrew Hoffman Mfg. Co., Chicago, Ill. Screen. 1,851,616; Mar. 29.

Bock, Herman, et al. (See Abbott, Scot M., assignor.)
Bock, Leon, assignor to S. Wein, New York, N. Y. Ring. Dec. 8,681; Mar. 29.
Bock, Walter. (See Tschunkur, E., and Bock.)
Bock, Wilhelm, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Knitting machine. 1,841,704; Jan. 19.
Bock, Wilhelm, Gwynedd, assignor to Turbo Knitting Machine Company, Lansdale, Pa. Welt turning mechanism for knitting machines. 1,841,705; Jan. 19.
Bock, Wilhelm, Gwynedd, assignor to Turbo Knitting Machine Company, Lansdale, Pa. Form for drying hosiery and the like. 1,841,706; Jan. 19.
Bock, Wilhelm, Gwynedd, and H. W. Matthews, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Drying and shaping form for hosiery and the like. 1,868,875; July 26.
Bockmühl, Max, G. Ehrhart, and L. Stein, Frankfort-on-the-Main, Germany. Compound of the 1-phenyl-2-alkylamino-alcohol-1 series hydroxylated in the phenyl residue and preparing them. 1,877,756; Sept. 20.
Bockmühl, Max, G. Ehrhart, and L., Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 1-phenyl-2-aminoalcohols (1) hydroxylated in the phenyl nucleus and preparing them. 1,877,795; Sept. 20.
Bocz, Alexander J., Detroit, Mich. Harmonic antivibrator. 1,886,246; Nov. 1.
Boda, Joseph E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow elevating mechanism. 1,865,431; July 5.
Boda, Joseph E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk harrow. 1,879,785; Sept. 27.
Bodde, Theodore, assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,843,894; Feb. 2.
Bodde, Theodore, assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 1,843,895; Feb. 2.
Bodde, Theodore. (See Curtis, R. C., and Bodde.)
Bode, John, Chicago, Ill. Laundry receptacle and the like. 1,860,224; May 24.
Bodell, Frederic G., et al. (See Minnard, Paul, assignor.)
Bodemuller, Robert, Nederland, Tex., assignor to The Texas Company, New York, N. Y. Automatic liquid-level regulator. 1,864,402; June 21.
Boden, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Assembling roller bearings. 1,885,980; Nov. 1.
Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Pin package. 1,842,065; Jan. 19.
Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-locking pin fastener. 1,843,703; Feb. 2.
Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Window screen. 1,844,087; Feb. 9.
Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Window locking device. 1,876,556; Sept. 13.
Boden, Oliver, Birmingham, England. Combined air heater and cleaner for internal combustion engines. 1,853,892; Apr. 12.
Bodendieck, Henry W., Taylorville, Ill. Equipment for handling aerial wires. 1,833,600; Apr. 12.
Bodendieck, Henry W., assignor to Tip's Tool Company, Incorporated, Taylorville, Ill. Fuse puller. 1,840,150; Jan. 5.
Bodendieck, Henry W., assignor to Tip's Tool Company, Inc., Taylorville, Ill. Fuse and switch handling device. 1,858,133; May 10.
Bodendieck, Henry W., assignor to Tips' Tool Company, Inc., Taylorville, Ill. Disconnecting switch. 1,873,272; Aug. 23.
Bodenham, Frank, assignor of one-half to T. B. Preston, Fort Wayne, Ind. Automobile free wheeling device. 1,850,197; Mar. 22.
Bodenstab, John A. C., Detroit, Mich. Instantaneous electric water heater. 1,864,887; June 28.
Bodenstein, Jacob, Herkimer, N. Y. Drawer for furniture. 1,876,557; Sept. 13.
Boder, Ernst, Olten, Switzerland. Electrical distant control. 1,844,558; Feb. 9.
Boder, Ernst, Olten, Switzerland. Electrical distant control. 1,844,559; Feb. 9.
Bodge, Horace A., White Plains, N. Y. Bake oven. 1,845,578; Feb. 16.
Bodge, William, Nutley, N. J., assignor to L. Stone, Brockton, Mass. Envelope machine. 1,860,984; May 31.
Bodin, George, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,875,914; Sept. 6.
Bodine, Alfred V., Fairfield, Conn. Phonograph record. 1,851,659; Mar. 29.
Bodine, Alfred V., assignor to Dictophone Corporation, Bridgeport, Conn. Phonograph and the like. 1,866,288; July 5.
Bodine, Alfred V., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,876,273; Sept. 6.
Bodkin, Harold T., Chicago, Ill. Combined workbench, cabinet and tool support. 1,860,071; May 24.
Bodkin, Irving S., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Utility knife. 1,843,970; Feb. 9.
Bodkin, John A., New York, N. Y. Flange and rail lubricator. 1,878,259; Sept. 20.
Boemm, Walter L., New York, N. Y. Heat insulating block. 1,839,914; Jan. 5.
Bodmer, Albert. (See Heberlein, G., and Bodmer.)
Bodmer, Ernst, assignor to the Firm of Durand & Huguenin S. A., Basel, Switzerland. Preparation of mordant disazo-dyestuffs. 1,841,873; Jan. 19.
Bodmer, Ernst, and E. Neitzel, assignors to the Firm of Durand & Huguenin S. A., Basel, Switzerland. Manufacture of mordant azo dyestuffs. 1,888,903; Nov. 22.
Company, Jersey City, N. J. Service indicating system
Bodogion, Kimon, Chicago, Ill. Display tray. 1,861,835; June 7.
Bodoh, Frank J., and A. O. Sarff, assignors of one-third to A. R. Bailey, Walker, Minn. Radio aerial. 1,850,914; Mar. 22.
Bodolay, Stephen. (See Smith, E. L., Langhammer, and Bodolay.)
Bodony, Andrew, New York, N. Y. Manufacturing tubes, containers, cups, and the like. 1,855,041; Apr. 19.
Bodor, Andrew, Newark, N. J., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Spinner for paper containers. 1,891,866; Dec. 20.
Boe, Henry L., Minneapolis, Minn. Garment hanger. 1,877,550; Sept. 13.
Boe Manufacturing Company. (See Henlon, Walter R., assignor.)
Boeck, Alfred A., Berlin, Germany. Window shade. 1,847,077; Mar. 1.
Boeckler, B. C. (See Carlsmith, L. E., Boeckeler, and Krchma.)
Boeckeler, Benjamin C. (See Swallen, L. C., and Boeckler.)
Boeckermann, Bernard J., assignor, by mesne assignments, to The Cappel Upholstering Company, Dayton, Ohio. Resilient furniture slat support. 1,879,786; Sept. 27.
Boecking, Ewald. (See Fix, Christian S., and Boecking.)
Boecking, Ewald. (See Kindelmann, A., and Boecking.)
Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Elevator signaling system. 1,851,488; Mar. 29.
Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company Jersey City, N. J. Service indicating system for elevators. 1,888,486; Nov. 22.
Boegehold, Alfred L. (See Williams, H. M., and Boegeboldt.)
Boegehold, Alfred L., assignor to General Motors Research Corporation, Detroit, Mich. Composite brake shoe. 1,859,823; July 5.
Boegehold, Alfred L., assignor to General Motors Research Corporation, Detroit, Mich. Cupola furnace. 1,872,057; Aug. 16.
Boegehold, Alfred L., assignor to General Motors Research Corporation, Detroit, Mich. Operating a cupola furnace. 1,872,059; Aug. 16.
Boehler, John D., Bristol, Pa. Memorandum pad attachment for telephones. 1,848,240; Mar. 8.
Boehler, Raymond F., jr., Springfield, Ohio. Steel wool machine. 1,883,677; Nov. 1.
Boehm, Albert Frank, Lake Villa, Ill. Fish lure. 1,866,289; July 5.
Boehm, Arthur S., Baltimore, Md. Solenoid. 1,857,349; May 10.
Boehm, Frederik, assignor to Schutte & Koerting Company, Philadelphia, Pa. Heat exchanger. 1,868,271; July 19.
Boehm, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling. 1,844,941; Feb. 16.
Boehme, Gustav, Berlin-Zehlendorf, Germany. Toy aircraft. 1,877,120; Sept. 13.
Boehme, H. O., Inc. (See Boehme, H. O., Knopp, and Kunc, assignors.)
Boehme, H. O., Inc. (See Knopp, E., and Kunc., assignors.)
Boehme, H. O., Inc. (See Kunc., F., and Knopp, assignors.)
Boehme, Herman O., Leonia, N. J., E. Knopp, Bronx, and F. Kunc, New Rochelle, assignors to H. O. Boehme, Inc., New York, N. Y. Power transmission. 1,844,239; Feb. 9.
Boehmer, Elmer J. (See Small, C. M., Sublette, and Boehmer.)
Boehmer, Gustavus H., St. Louis, Mo. Shoe. 1,855,270; Apr. 26.
Boehmer, Norris, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Esters of secondary butyl alcohol. 1,848,155; Mar. 8.
Boehne, Eugene W., Scotia, N. Y., assignor to General Electric Company. Protective apparatus. 1,865,409; June 28.
Boehner, Georg. (See Lüttringhaus, A., Neresheimer, Eichholz, Boehner, and Schneider.)
Boehringer, C. F., & Soehne G. m. b. H. (See Müller, R., and Holzer, assignors.)
Boehringer, C. F., & Soehne G. m. b. H. (See Muller, R., and Voeller, assignors.)
Boehringer, C. H., Sohn, the Firm. (See Schreiber, Hermann, assignor.)

Boeing Airplane Company. (See Butler, Leo M., assignor.)
Boeing Airplane Company. (See Emery, Elliott G., jr., assignor.)
Boeing Airplane Company. (See Minshall, Robert J., assignor.)
Boeing Airplane Company. (See Monteith, Charles N., assignor.)
Boeing Airplane Company. (See Monteith, C. N., and Canada, assignors.)
Boeing Airplane Company. (See Monteith, C. N., Minshaal, and Sanders, assignors.)
Boeing Airplane Company. (See Mullgardt, Alexander S., assignor.)
Boelter, August D., Appleton, Wis. Cake pan. 1,864,888; June 28.
Boening, Joseph, Macklin, Saskatchewan, Canada. Combined washing machine and wringer. 1,889,628; Nov. 29.
Boenker, Benton D., and W. S. Hutchinson, assignors of one-third to R. B. Naes, St. Louis, Mo. Air gauge. 1,850,088; Apr. 19.
Boenning, William M., Manitowoc, Wis. Folding furniture leg. 1,876,446; Sept. 6.
Boenning, William M., Manitowoc, Wis. Folding table. 1,876,447; Sept. 6.
Boer, Izak, Hzn., Arnhem, Netherlands. Aerial photographic mapping. 1,848,558; Mar. 8.
Boere, Kornelis, Capelle, Netherlands. Clod cutter. 1,887,796; Nov. 15.
Boerlage, Hermann, Wiesbaden, Germany. Reciprocating piston lubrication for pumps. 1,889,591; Nov. 29.
Boerner, Frederick W. (See Foerster, Walter F., assignor.)
Boersen, John A., Ocheyedan, Iowa. Wire reel. 1,876,390; Sept. 6.
Boery, Jean, Paris, France. Adjustable seat back. 1,846,334; May 3.
Boesé, Quincy W., New York, N. Y., assignor to Stapling Machine Co. Wire joining tool. 1,871,029; Aug. 9.
Boesel, Otto A., Ansonia, assignor to The H. A. Matthews Manufacturing Company, Seymour, Conn. Hasp for luggage locks. 1,842,385; Jan. 26.
Boesel, Otto A., Ansonia, assignor to The H. A. Matthews Manufacturing Company, Seymour, Conn. Spool or reel. 1,845,741; Feb. 16.
Boesgen, George A., Fairview Village, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Dust collector. 1,868,876; July 26.
Boessenecker, Johann C., Munich, Germany. Motorcycle internal combustion engine. 1,849,220; Mar. 15.
Boettcher, Henry, assignor to Armstrong Cork Company, Lancaster, Pa. Building construction. 1,858,701; May 17.
Boettner, William P. (See Black, P. T., and Boettner.)
Boetzel, Rozane, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. No. 86,010; Jan. 19.
Boetzel, Rozane, assignor to Fred Greenberg Dress Corporation, New York, N. Y. Dress. Des. 86,298; Feb. 23.
Boeuf, Pierre E., Ermont, France. Cock. 1,859,126; May 17.
Boever, Anne M., Cambridge, Mass., assignor to The Silex Company. Coffee maker or the like. 1,843,476; Feb. 2.
Boever, Anne M., Hartford, Conn., assignor to The Silex Company. Handle for coffee makers and the like. 1,859,614; May 24.
Boeye, Paul F., assignor to Waldorf Paper Products Company, Paul, Minn. Box. 1,853,430; Apr. 12.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Separator. 1,860,567; May 31.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container for batteries or the like. 1,882,565; Oct. 11.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 1,890,965; Dec. 13.
Boffino, Charles, Los Angeles, Calif. Package seal. 1,876,891; Sept. 13.
Bogardus, Charles C., Los Angeles, Calif. Upper cylinder oiler. 1,885,981; Nov. 1.
Bogart, Fred H., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Chuck. 1,845,226; Feb. 16.
Bogart, Fred H., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Tool controlling mechanism for machine tools. 1,846,014; Feb. 23.
Bogart, Fred H., assignor to The Warner & Swasey Company, Cleveland, Ohio. Coupling boring and threading machine. 1,846,986; Feb. 23.
Bogart, John C., Bay City, Mich. Traction sprayer. 1,886,369; Nov. 8.
Bogdanffy, George W., Clifton, assignor of one-fourth to B. Eastwood, Paterson, N. J. Loom and method of weaving. 1,859,955; May 24.
Böger, Otto, Dessau-in-Anhelm, and O. Meissner, Uerdingen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. New dyestuffs of the diamino-triphenylmethane series. 1,876,842; Sept. 13.
Bogert, Clara, Akron, Ohio. Exhaust gas and odor eliminator for motor vehicles. 1,867,802; July 19.
Boggess, Karl, Peoria, Ill. Insulated cable staple. 1,841,553; Jan. 19.
Boggs Manufacturing Corporation. (See Ghent, William E., assignor.)
Boggs Plow Company. (See Neufang, Henry J., assignor.)
Bogia, Louis F., assignor of one-third to W. A. Weaver and one-third to Vincent, Philadelphia, Pa. Electric motor. 1,863,294; June 14.
Bogle, John C., Grosse Pointe, Mich., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas burner system. 1,853,194; Apr. 12.
Bogle, John C., River Forest, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas burner control system. 1,853,195; Apr. 12.
Bogle, John C., River Forest, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas burner control system. 1,853,196; Apr. 12.
Bogle, John C., River Forest, Ill., assignor by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Oil burner control system. 1,883,242; Oct. 18.
Bogle, John C., River Forest, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control apparatus and system. 1,883,243; Oct. 18.
Bogle, John C., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical switch. 1,883,245; Oct. 18.
Bogle, Preston P., Chicago, Ill. Broiler plate. 1,885,325; Nov. 1.
Bogopolsky, Jacques, Acacias-Geneva, Switzerland. Semiautomatic apparatus for cutting, preparing, and sticking cinematographic films. 1,851,800; Mar. 29.
Bogopolsky, Jacques, Geneva, Switzerland. Automatic apparatus for taking cinematographic pictures. 1,857,392; Sept. 6.
Bogoslowsky, Boris, Stratford, Conn., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Fluid strut. 1,845,776; Jan. 26.
Bogoslowsky, Boris, Ferguson, assignor to The Universal Match Corporation, St. Louis, Mo. Combined advertising and dispensing device. 1,842,390; Jan. 26.
Bogoslowsky, Boris, Ferguson, assignor to The Universal Match Corporation, St. Louis, Mo. Stacking machine. 1,887,008; Nov. 8.
Bogstrand, Ole K., Brooklyn, N. Y. Boiler tube blower. 1,888,214; Nov. 22.
Bohan, James H. (See Boyce, Charles, assignor.)
Bohan, Joseph H., Chicago, Ill. Display frame. 1,842,580; Jan. 26.
Bohen, Edwin J., Chicago, Ill., assignor to Standard Oil Company, Whitney, Ind. Lubricating high temperature equipment for cooking food. 1,877,491; Sept. 13.
Bohen, Mark D. (See Sandberg, Egnar, assignor.)
Böhle, Karl, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Drawing press. 1,856,935; Nov. 8.
Bohlin, Charles, jr., assignor to International Motor Company, New York, N. Y. Leveling mechanism for fire ladders. 1,886,783; Nov. 8.
Bohlin, Olof G., assignor to Helsingborgs Gummifabriks Aktiebolag, Helsingborg, Sweden. Regeneration of vulcanized rubber. 1,887,598; Nov. 15.
Böhling, Rudolf H., assignor to Firm Rohrbogenwerk Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Apparatus for straightening out the ends of bent pipes. 1,857,583; May 10.
Bohlman, Ernest A., assignor to Jefferson Electric Company, Chicago, Ill. Fuse wrench. 1,886,155; Nov. 1.
Bohlman, Ernest A., and Fred Brachtl, assignors, by mesne assignments, to Appleton Electric Company, Chicago, Ill. Outlet box. 1,888,343; Nov. 22.
Böhm, Otto, assignor to Telefunken für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling by frequency modulation. 1,874,869; Aug. 30.
Böhme, Erhard. (See Lodge, L., and Böhme.)
Bohme, H. Th., Aktiengesellschaft. (See Bertsch, Heinrich, assignor.)
Bohmer, Adam, and G. Gebhardt, assignors to Seitz-Werke G. m. b. H., Bad Kreuznach, Germany. Filling and sealing bottles, vessels, and the like. 1,889,629; Nov. 29.
Bohmker, John C., Kankakee, Ill. Corn planter. 1,879,787; Sept. 27.
Bohmker, John C., Bradley, assignor to Sears, Roebuck and Co., Chicago, Ill. Brooder. 1,853,500; Apr. 12.
Bohn Aluminum and Brass Corporation. (See Anderson, David E., assignor.)
Bohn Aluminum & Brass Corporation. (See Diamond, James E., assignor.)
Bohn Aluminum & Brass Corporation. (See Flegel, William J., assignor.)
Bohn Aluminum and Brass Corporation. (See Flegel, W. J., and Enderich, assignors.)
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Bohn Aluminum & Brass Corporation. (See Smith, John W., assignor.)
Bohn, August W., assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating current motor. 1,870,229; Aug. 9.
Bohn, Gebhard C., St. Paul, Minn. Refrigerator. 1,863,219; June 14.
Bohn, Gebhard C., St. Paul, Minn. Refrigerator frame. 1,875,843; Sept. 6.

Bohn, Harry. (See Roberts, Charles, assignor.)
Bohn, Harry. (See Wales, N. B., and Roberts, assignors.)
Bohn, Harry, Dayton, Ohio. Cabinet for a domestic refrigerator. Des. 86,661; Apr. 5.
Bohn, Karl, Maspeth, N. Y. Draft hood. 1,887,575; Nov. 15.
Bohne, William A., assignor to E. F. Houghton & Company, Philadelphia, Pa. Automatic lathe. 1,852,915; Apr. 5.
Bohne, William A., assignor to E. F. Houghton & Company, Philadelphia, Pa. Testing machine. 1,864,413; June 21.
Bohnenblust, Arnold, Riley, Kans. Pump. 1,860,768; May 31.
Bohnenblust, Arnold, Riley, Kans. Pump construction. 1,857,180; Nov. 8.
Böhner, George. (See Neresheimer, H., Honold, and Bohner.)
Bohner, Sarah E., San Francisco, Calif. Eyelid guard. 1,873,928; Aug. 23.
Bohnet, Herman C., Lansing, Mich. Ventilated stop signal. 1,885,012; Nov. 1.
Bohnhardt, Charles F. H., Lynwood, assignor to Julian A. Campbell, Long Beach, Calif. Air-cooled floating roof. Re18,381; Mar. 8.
Bohnhardt, Charles F. H., Lynwood, assignor to J. A. Campbell, Long Beach, Calif. Liquid level gage. 1,867,204; July 12.
Bohnsack, John A. (See Balch, T. V., and Bohnsack.)
Bohnsack, John A. (See Hauserman, E. F., Mowery, and Bohnsack.)
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Panel unit connecting clip. 1,842,144; Jan. 19.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Joint between cellular building units. 1,842,208; Jan. 19.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Metallic building element. 1,865,670; June 28.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Interlocking construction for metal partitions. 1,883,871; Oct. 25.
Bohraus, Werner, Montreal, Quebec, Canada. Back-fire trap for rectifiers or converters. 1,858,616; May 17.
Boiardi, Hector, Cleveland, Ohio. Receptacle. 1,875,412; Sept. 6.
Boidin, Albert R., Seclin, and I. A. Effront, Marcq en Baroeul, France. Manufacture of proteolytic enzymes by means of microorganisms. 1,882,112; Oct. 11.
Boileau, Arthur H., assignor to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Batch freezer mechanism. 1,880,731; Oct. 4.
Boisselier, Earl D., Chicago, Ill. Toe pad. 1,874,737; Aug. 30.
Boisselier, Earl D., assignor to American Flyer Mfg. Co., Chicago, Ill. Coupler for toy cars. 1,852,916; Apr. 5.
Boisselier, Earl D., assignor to American Flyer Mfg. Co., Chicago, Ill. Bell ringing device for toy locomotives. 1,887,988; Nov. 15.
Boissonnault, Gaston, Valley Stream, assignor to C. P. Kimmey, trustee, New York, N. Y. Lock protection. 1,869,404; Aug. 2.
Boissou, Pierre, Pont-A-Mousson, France, assignor to Societe Anonyme des Hauts-Fourneaux et Fonderies de Pont-A-Mousson, Pont-A-Mousson (Meurthe-&-Moselle). Apparatus for the manufacture of metal tubes. 1,849,054; Mar. 8.
Boisvert, N. E., et al. (See Brosius, John, jr., assignor.)
Boivin, Joseph A. C., Nashua, N. H. Antitheft device. 1,841,358; Jan. 19.
Bokan, Frank, St. Louis, Mo. Convertible closure. 1,860,648; May 31.
Bokenkroger, William, Edgewater, N. J. Filter for gaseous mixtures. 1,857,348; May 10.
Boker, H., & Co. (See Hidde, Albert, assignor.)
Bokovoy, Samuel A. (See Harness, L. B., and Bokovoy.)
Bokum, William F. (See Gebhardt, G. H., and Bokum.)
Bokum, William F., Jenkintown, and J. H. Senior, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Voluminal feeder for fibrous materials. 1,854,099; Apr. 12.
Bol, Cornelis, Eindhoven, Netherlands, assignor to Radio Corporation of America. Inductance coil. 1,892,204; Dec. 27.
Bol, Cornelis, Klaas Posthumus, J. M. Unk and C. H. Morel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Wireless receiving set. 1,872,231; Aug. 16.
Bolacek, Frank, Foley, Minn. Receptacle cleaner. 1,857,584; May 10.
Boland, Jerome W., Belle Vernon, Pa. Blast furnace tuyère. 1,868,306; July 19.
Boland, John E., and M. C. Vivian, Arnold, assignors of one-third to W. W. Null, Springdale, Pa. Clothes line cleaner and pin carrier. 1,882,174; Oct. 11.
Boland, Joseph J., Keyport, N. J., assignor to Aeromarine Plane & Motor Company, Inc. Lubricating system. 1,850,528; Mar. 22.
Boland, Joseph J., assignor, by mesne assignments, to Aeromarine Plane & Motor Company, Inc., Keyport, N. J. Lubricating system. 1,885,222; Nov. 1.
Bolandi, Raphael, assignor to J. Landauer, Incorporated, New York, N. Y. Sewing machine. 1,840,270; Jan. 5.
Bolard, Alfred J. G. (See Rustin, L. D. A., and Bolard.)
Bolard, Edmond, Paris, France. Extensible shutter. 1,858,801; May 17.
Bolen, Charles C., Marion, Ohio. Railway brake. 1,875,223; Sept. 6.
Bolen, Frank J., Van Hook, N. Dak. Tractor hitch. 1,872,106; Aug. 16.
Bolens, Harry W. (See Giblin, Marc A., assignor.)
Bolens, Harry W., Port Washington, Wis. Chair iron. 1,866,498; July 5.
Bolens, Harry W., Port Washington, Wis. Hydraulic jack. 1,880,732; Oct. 4.
Boley, Roy A., Kenmore, N. Y., assignor to Oxweld Acetylene Company. Acetylene generating device. 1,860,225; May 24.
Bolgár, László, assignors to Laszlo d'Antal, Budapest, Hungary. Manufacture of a composition of linoleum. 1,842,857; Jan. 26.
Bolger, Robert S., New York, N. Y. Container. 1,849,270; Mar. 15.
Bolhuis, Frank, Holland, Mich. Cupboard unit construction. 1,880,733; Oct. 4.
Bolin, Charles D., St. Louis, Mo. Indicating device. 1,892,379; Dec. 27.
Bolinas, André, jr., Legazpi Albay, P. I. Folding steering wheel and lock. 1,847,209; Mar. 1.
Bolinders J. & C. G. Mekaniska Verkstads Aktiebolag. (See Österberg, Karl E. R., assignor.)
Bolinger, Judd A., Kingsport, Tenn. Advertising novelty. 1,852,463; June 14.
Boll, Lester P. (See Birkenmaier, T., Boll, and Wefeler.)
Boll, Lester P., Maplewood, and A. C. Hansen, jr., assignors to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,840,016; Jan. 5.
Boll, Lester P., University City, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Disconnecting switch. 1,880,734; Oct. 4.
Bollam, Richard E., Portland, Oreg. Elevator bomb rack for aeroplanes. 1,890,162; Dec. 6.
Boller, C. W., et al. (See Ligon, Vann M., assignor.)
Boller, Ernest R., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 1,853,703; Mar. 15.
Boller, Ernest R., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 1,849,704; Mar. 15.
Boller, Ernest R., Arden, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of corrosion. 1,875,845; Sept. 6.
Bolles, Archibald L., Brooklyn, N. Y. Revolving window sash. 1,842,242; Jan. 19.
Bolles, Dorothy J., et al. (See Bolles, Edgar S., assignor.)
Bolles, Edgar S., jr., et al. (See Bolles, Edgar S., assignor.)
Bolles, Edgar S., assignor to D. J. Bolles and E. S. Bolles, jr., Monument Beach, Mass. Combined closet and table. 1,883,504; Oct. 18.
Bolling, Jacob, Peoria, Ill. Sash holder. 1,855,510; Apr. 26.
Bolling, Robert, Detroit, Mich. Bake oven. 1,876,843; Sept. 13.
Bollinger, Howard M., Washington, D. C., assignor to American Telephone and Telegraph Company. Telephone pay station apparatus. 1,887,576; Nov. 15.
Bollinger, William A., Pittsburgh, Pa. Heating apparatus. 1,855,566; Apr. 26.
Bollman, Martin, Berlin, Company, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Esters of polyvalent alcohols. 1,841,430; Jan. 19.
Bollman, Roland R., assignor to The Munny Manufacturing Company, Cincinnati, Ohio. Creasing apparatus. 1,889,432; Nov. 29.
Bollweg, Bernhard. (See Kramer, E., Bollweg and Zeh.)
Bollweg, Bernhard. (See Kramer, E., and Bollweg.)
Bollweg, Bernhard, Leverkusen-on-the-Rhine, L. Zeh, Wiesdorf-on-the-Rhine, and E. Kramer, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen substitution product of dinaphthylene-dioxide. 1,878,666; Sept. 20.
Bolt, Ernest J., El Paso, assignor of one-third to R. Lander and one-third to Caven L. Newton, El Paso, Tex. Waste trap. 1,845,121; Feb. 16.
Bolt, Joseph C., Boston, and C. J. Johnson, Worcester, Mass., assignors to Time Recording Machine Company, Endicott, N. Y. Distance control device. 1,870,230; Aug. 9.
Bolton, Andrew C., Miami, Fla. Knife gauge. 1,883,505; Oct. 18.
Bolton, Arthur T., Pelham, N. Y. Computing device. 1,886,370; Nov. 8.
Bolton, Becher B., Glendale, Calif., assignor to W. Steen, Brea, Calif. Tile block. Des. 86,075; Jan. 26.
Bolton, Becher B., Glendale, Calif., assignor to W. Steen, Brea, Calif. Tile block. Des. 86,076; Jan. 26.
Bolton, Edgar A. (See Gray, T. F., and Bolton.)
Bolton, Edgar A., and T. F. Gray, assignors to Victory Valves Limited, Aldwood, Stockport, England. Parallel slide valve. 1,863,650; June 21.
Bolton, Eric N. (See Bolton, P. H., and Bolton.)
Bolton, Floyd G., assignor to McMillan Book Company, Syracuse, N. Y. Book cover. 1,850,059; Mar. 15.

Bolton, Paul H., and E. N. Bolton, Youngstown, Ohio. Process for food products. 1,871,641; Sept. 13.
Bolton, William J., Oakmont, Pa. Valve apparatus. 1,870,090; Aug. 2.
Boltuch, Max, Brooklyn, assignor, by mesne assignments, to H. B. Imbro, New York, N. Y. Electric lighting appliance. 1,845,035; Feb. 16.
Boltz, Fred S., Mansfield, Mass. Tank. 1,853,112; Apr. 12.
Bolz, Charles, Jersey City, N. J. Collapsible tube dispensing means. 1,854,543; Oct. 25.
Bolz, George, Brooklyn, N. Y. Window seat. 1,864,118; June 21.
Bolz, William A., sr., Trenton, N. J. Four-wheel steering construction. 1,852,202; Apr. 5.
Boman, Chas W., Brooklyn, assignor to Eagle Pencil Company, New York, N. Y. Pencil. 1,886,371; Nov. 8.
Boman, Tom G. (See Patterson, Harrey L., assignor.)
Bomhoff, Cornelius, Rockaway, N. J., assignor to Gotham Silk Hosiery Company, Inc., New York, N. Y. Knitting apparatus. 1,877,492; Sept. 13.
Bommer, Emil, (See Bommer, Gustav, assignor.)
Bommer, Emil, Brooklyn, N. Y. Door check and closer. 1,857,133; May 10.
Bommer, Emil, Brooklyn, N. Y. Door check and closer. 1,859,763; May 24.
Bommer, Emil, Brooklyn, N. Y. Doorcheck and closer. 1,871,030; Aug. 9.
Bommer, Fred W., and C. E. Clarke, Winchester, assignors by mesne assignments to Stowe-Woodward, Inc., Newton, Mass., Apparatus for forming rubber threads or strips. 1,876,600; Sept. 13.
Bommer, Gustav, assignor to E. Bommer, Brooklyn, N. Y. Door hinge. 1,854,477; Feb. 16.
Bommer, Gustav, assignor to E. Bommer, Brooklyn, N. Y. Hinge construction. 1,871,051; Aug. 9.
Bommer, Gustav, assignor to E. Bommer, Brooklyn, N. Y. Spring hinge. 1,883,506; Oct. 18.
Bommer, Max, R. Haller, Riehen, near Basel, and E. Pool, Basel, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Obtaining fast tints on the fiber. 1,879,727; Sept. 27.
Bon, Ubero, Venice, Italy. Production of reliefs and of colored pictures. 1,888,344; Nov. 22.
Bonan, Salvator. (See Cohen, Issakbar, assignor.)
Bonardi, Joseph, Rock Falls, Ill. Brush lock. 1,889,970; Dec. 6.
Bonat & Bro., Samuel. (See Lippert, Walter E., assignor.)
Bonat, Harry, New York, N. Y. Heater. 1,839,369; Jan. 5.
Bonat, Harry, New York, N. Y. Hair permanent waving apparatus. 1,843,749; Feb. 2.
Bonat, Harry, New York, N. Y. Hair waving apparatus. 1,868,089; July 19.
Bonath, Richard, Bussum, The Netherlands, assignor to Werkspoor, N. V. Apparatus for the heat treatment of sugar solutions either completely or partly crystallized. 1,868,406; July 19.
Bond, A. Russell, executor. (See Kessler, Frank.)
Bond, Alfred F. (See Bond, Percy C. and A. F., and Orlando.)
Bond, Charles L., Los Angeles, Calif. Nondrip liquid dispenser. 1,871,655; Aug. 16.
Bond Electric Corporation. (See Barber, George H., assignor.)
Bond Electric Corporation. (See Pratt, Goodrich B., assignor.)
Bond Electric Corporation. (See Stimson, Frank G., assignor.)
Bond, George D. (See Glover, W. H., and Bond.)
Bond, Harlan A., Meuchen, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Temperature control of exothermic reactions. 1,888,066; Nov. 15.
Bond, Joseph B., Appleton, Wis. Refining and circulating device for paper stock. 1,842,577; Jan. 26.
Bond, Joseph E., Appleton, Wis. Agitator. 1,854,881; Apr. 19.
Bond Manufacturing Corporation. (See Bond, Samuel C., assignor.)
Bond Manufacturing Corporation. (See Rogers, Louis F., assignor.)
Bond, Martin L., jr., Sand Springs, Okla. Device and method for treating oil containing bottom settlings from oil wells. 1,855,492; Apr. 19.
Bond, Oscar, Sapulpa, Okla. Oil well shooting equipment for use on automobiles. 1,874,870; Aug. 30.
Bond, Percy C. and A. F., and E. Orlando, Detroit, Mich., assignors to P. C. Bond, trustee for P. C. Bond, E. F. Rauss, and A. F. Bond. Meter container. 1,883,507; Oct. 18.
Bond, Percy C., trustee, et al. (See Bond, Percy C. and A. F., and Orlando, assignors.)
Bond, Samuel C., Holly Oak, Del., assignor to The Henry P. Scott Company, as trustee. Preparing comminuted cork. 1,870,166; Aug. 2.
Bond, Samuel C., Holly Oak, assignor to Bond Manufacturing Corporation, Wilmington, Del. Gun wad. 1,872,107; Aug. 16.
Bond, William L., Schenectady, N. Y., assignor to General Electric Company. Coupling. 1,887,538; Nov. 15.
Bondsy, Frederick W., Baltimore, Md. Aerial support. 1,883,508; Oct. 18.
Bone, Evan P., Cincinnati, Ohio, assignor to The National Colortype Company, Bellevue, Ky. Light reflecting device. 1,872,648; Aug. 16.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,862,209; June 7.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,868,517; July 26.
Bone, Herbert L., Swissvale, and J. W. Livingston, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,888,548; Nov. 22.
Bone, Kenneth S. C., assignor to Wilson Brothers Bobbin Company, Limited, Barston, Liverpool, England. Production of active carbon. 1,839,735; Jan. 5.
Bonell, Ralph K. (See Holden, W. H. T., and Bonell.)
Bonell, George A., Kingman, Ariz. Pneumatic spring. 1,865,740; July 5.
Bonem, Frank X. (See Oswald, E. P., and Bonem.)
Bonewitz, Clarence, Dayton, Ohio. Increasing the acoustic qualities of violins. 1,861,682; June 7.
Bonewitz, Clarence, Dayton, Ohio. Stringed musical instrument. 1,876,558; Sept. 13.
Bonfield, Alfred R., Brooklyn, N. Y. Arch support. 1,853,296; Apr. 12.
Bong, Adolf, Gloggnitz, assignor to the Firm Aktiengesellschaft Der Oesterreichischen Pezfabriken, Vienna, Austria. Joint for endless bands such as felts. 1,852,732; Apr. 5.
Bonzero, Miguel, Mieres, Spain. Separating device. 1,865,167; June 28.
Bongiorno, Cosimo. (See Basli, J., and Bongiorno.)
Bonham, Earl D., Spokane, Wash. Pressure operated switch. 1,880,401; Oct. 4.
Bonham, Guy L., West Hartford, Conn. Game apparatus. 1,871,143; Aug. 9.
Bonham, Walter R., Palo Alto, Calif. Speed indicator. 1,840,806; Jan. 12.
Bonhôte, Gérald, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuffs and making same. 1,867,439; July 12.
Bonhôte, Gérald, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Stable diazo preparations and process of making same. 1,867,937; July 19.
Bonhôte, Gérald, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,871,946; Aug. 16.
Bonhôte, Gérald, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,871,947; Aug. 16.
Bonhôte, Gérald, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuff and making the same. 1,871,948; Aug. 16.
Bonhôte, Gérald, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,873,533; Aug. 23.
Bonhôte, Gérald, assignor to Firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs. 1,892,480; Dec. 27.
Bonifacc, Addison O., Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire extinguisher. 1,862,379; June 14.
Bonine, Charles E., Melrose Park, Cheltenham Township, Montgomery County, assignor to James H. Bell, Philadelphia, Pa. Liquid cooling apparatus. 1,859,229; May 17.
Bonine, Charles E., Melrose Park, assignor to J. H. Bell, Philadelphia, Pa. Refrigerator. 1,880,735; Oct. 4.
Bonnemann, Franz, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Treating coal gases. 1,848,156; Mar. 8.
Bonner, Daniel B., Philadelphia, Pa. Thread printing apparatus. 1,852,641; Apr. 5.
Bonner, Daniel B., Philadelphia, Pa. Thread printing apparatus. 1,854,366; Apr. 19.
Bonner, Robert. (See Butler, E. A., and Olive, assignors.)
Bonnet, James H., Champaign, Ill. Fabric canopy support. 1,863,963; June 21.
Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)
Bonney-Floyd Company, The. (See Gregg, Alfred W., assignor.)
Bonney-Floyd Company, The. (See Gregg, A. W., and Frank, assignors.)
Bonney-Floyd Company, The. (See Mitchell, A., and Gregg, assignors.)
Bonney-Floyd Company, The. (See Mitchell, H. A., Gregg, and Frank, assignors.)
Bonney, Lyan F. (See Wright, J. C., and Bonney.)
Bonney, Victor B., and P. A. Clifford, Washington, D. C., dedicated to the Government and the people of the United States of America. Apparatus for testing and measuring the hardness and toughness of fruits and vegetables. 1,887,850; Nov. 15.
Bonnot Company, The. (See Lents, George W., assignor.)
Bonom, Alfred, Mondovi, Italy. Turbine. 1,845,955; Feb. 16.
Bonomi, Felix A. (See King. G. V., and Bonomi.)
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,842,931; Jan. 26.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Running board construction for freight cars. 1,847,375; Mar. 1.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,847,467; Mar. 1.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,848,410; Mar. 8.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,848,411; Mar. 8.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,849,787; Mar. 15.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,851,051; Mar. 29.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Metal car roof. 1,853,630; Apr. 12.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,853,656; Apr. 12.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,853,796; Apr. 12.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Carline. 1,853,797; Apr. 12.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,855,535; Apr. 29.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,856,602; May 17.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Refrigerator car. 1,859,902; May 17.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,866,539; July 12.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,866,540; July 12.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,868,134; July 19.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,868,158; July 19.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,868,159; July 19.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,868,190; July 19.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,868,191; July 19.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,870,398; Aug. 9.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,882,477; Oct. 11.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Removable gondola car roof. 1,888,653; Nov. 22.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,888,654; Nov. 22.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,888,655; Nov. 22.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,888,901; Nov. 22.

Bonsch, Rodolphe F., Paris, France. Rotary printing machine. 1,865,611; July 5.

Bonsiakos, Michael N., San Francisco, Calif. Centrifugal separator. 1,858,574; May 17.

Bonsiakos, Michael N., San Francisco, Calif. Washing machine. 1,890,493; Dec. 13.

Bonsieur, Le, assignor to The General Industries Company, Elyria, Ohio. Fishing reel. 1,856,043; May 3.

Bonsieur, Le, assignor to The General Industries Company, Elyria, Ohio. Covering a turntable. 1,891,745; Dec. 20.

Bonslett, William, McHenry, Ill. Heat reclaimer. 1,892,232; Dec. 27.

Bonte, Frederick R., Beaver Falls, Pa. Manufacture of tubes. 1,881,069; Oct. 4.

Bontempi, Giuseppe. (See Guidetti, F., and Bontempi.)

Bontempi, Giuseppe, Coytesville, N. J. Salvage unit. 1,851,092; Mar. 29.

Boock, Alfred C. (See Jahnke, C. B., and Boock.)

Boock, Alfred C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Shaft-mounting means. 1,864,518; June 28.

Boock, Alfred C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine base construction. 1,876,844; Sept. 13.

Boody, Erwin H. (See Parsons, W. E., and Boody.)

Booker, Homer N. (See Wessel, L. H., and Booker.)

Books, Otho L., Kansas City, Mo. Folding hanger for traveling cases. 1,866,150; July 5.

Boon, Guthrie B., Austin, Tex., assignor to R. R. Stolley, Inc. Clarification system for dry-cleaning solvents. 1,866,187; July 5.

Boone, Benjamin F., Daytona Beach, Fla. Automobile brake. 1,883,757; Oct. 18.

Boone, Charles G., assignor to Magic City Specialty Company, Tulsa, Okla. Deep well pump. 1,851,801; Mar. 29.

Boone, Charles G., assignor to Magic City Specialty Company, Tulsa, Okla. Double acting deep well pump. 1,851,802; Mar. 29.

Boone, Charles G., assignor to Magic City Specialty Company, Tulsa, Okla. Pipe union. 1,883,509; Oct. 18.

Boone, Douglas, Los Angeles, Calif. Garment hanger. 1,859,353; May 24.

Boone, Harry S., assignor to McClintic-Marshall Company, Pottstown, Pa. Template holding device. 1,890,073; Dec. 6.

Boonton Full Fashion Hosiery Mills. (See Fichtner, George E., assignor.)

Boonton Research Corporation. (See Ballantine, Stuart, assignor.)

Boor, Theodore A., Ashville, Ohio. Traffic signal. 1,846,987; Feb. 23.

Boorum & Pease Company. (See Bingham, Frederick C., assignor.)

Boorum & Pease Company. (See Dupree, Edmond G., assignor.)

Boorum & Pease Company. (See Finley, Charles A., assignor.)

Boos, August N. E., New York, N. Y. Recording apparatus. 1,871,032; Aug. 9.

Boos, Francis H., Schofield Barracks, Hawaii. Spur. 1,882,059; Oct. 11.

Boose, Harry B., Philadelphia, Pa., assignor to American Telephone and Telegraph Company. Printing telegraph system. 1,880,311; Oct. 4.

Boosey, Edward W. N., Detroit, Mich. Rain water conductor offset. 1,855,438; Apr. 26.

Boosey, Edward W. N., Detroit, Mich. Gutter or roof drain. 1,862,184; June 7.

Boosey, Edward W. N., Detroit, Mich. Drainage fitting and valve construction therefor. 1,873,273; Aug. 23.

Boosey, Edward W. N., Detroit, Mich. Adjustable test connection for plumbing systems. 1,873,274; Aug. 23.

Boosey, Edward W. N., Detroit, Mich. Drainage fitting. 1,873,275; Aug. 23.

Booth, Byron C., Muskegon Heights, Mich., assignor to United Research Corporation. Control device for variable instruments. 1,850,656; Mar. 22.

Booth, Charles F. (See Huntress, E. H., McCullough, and Booth.)

Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,847,079; Jan. 26.

Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,847,588; Mar. 1.

Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,850,373; Mar. 22.

Booth, Clement, assignor to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,891,663; Dec. 20.

Booth, Clement, and F. S. Haas, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,880,736; Oct. 4.

Booth, Clement, and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,891,662; Dec. 20.

Booth, Earl C. (See Noblitt, Q. C., and Booth.)

Booth, Earl C., Columbus, Ind. Heater casing. Des. 87,870; Oct. 4.

Booth, Earl C., Indianapolis, assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Heater casing. Des. 87,100; June 7.

Booth, Emmons R., Cincinnati, Ohio. Mechanism for converting reciprocating motion into rotary motion. 1,850,070; Mar. 22.

Booth, George E. (See Green, G., Booth, and De Nault.)

Booth, George M. (See Booth, Lewis M. and G. M.)

Booth, Herbert. (See McCullough, C. R., and Booth.)

Booth, Herbert N., and O. L. Westgate, Rochester, N. Y. Combined cap and dental floss container. 1,858,134; May 10.

Booth, Lawrence A., Tyler, Tex. Bermuda grass plow. 1,848,931; Mar. 8.

Booth, Lewis M. and G. M., Plainfield, assignors to Wallace & Tiernan Company, Inc., Belleville, N. J. Feeding device for solid substances. 1,847,292; Mar. 1.

Booth, Margaret, New York, N. Y. Cabinet bar. 1,862,654; June 14.

Booth, Raymond, City Island, N. Y. Collapsible tube and cover. 1,860,131; May 24.

Booth, Samuel C., Montreal, Quebec, Canada. Animal trap. 1,877,264; Sept. 13.

Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Severing machine. 1,839,828; Jan. 5.

Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire wheel. 1,839,829; Jan. 5.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire wheel. 1,844,458; Feb. 9.
Booth, William N., assignor to Kelsey & Hayes Wheel Corporation, Detroit, Mich. Manufacturing vehicle wheel hub shells. 1,854,246; Apr. 19.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Securing wheel bodies to wheel hubs. 1,856,236; May 3.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for riveting spokes of vehicle wire wheels. 1,856,237; May 3.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,860,226; May 24.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Tire carrying rim. 1,863,464; June 14.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for the assembly of wire wheels. 1,864,335; June 21.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,871,144; Aug. 9.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,871,145; Aug. 9.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Making wheel hubs. 1,876,393; Sept. 6.
Booth, William N., assignor to Kelsey-hayes Corporation, Detroit, Mich. Vehicle wheel. 1,876,394; Sept. 6.
Boothby Fibre Can Company. (See Bennett, Raymond A., assignor.)
Boothe, John F., Portland, Oreg. Combined latching and locking device for doors. 1,855,089; Apr. 19.
Boothroyd, John A. See Boothroyd, and Boothroyd.)
Boott Mills. (See O'Donoghue, James F., assignor.)
Booz, William A. (See Huntington, H. E., and Booz.)
Bopp, Edward C., assignor to Beem & Company, Moline, Ill. Disk harrow. 1,872,108; Aug. 16.
Boppenhausen, Willi, assignor to Andreas Daub A.-G., Ludwigshafen-on-Rhein, Germany. Chain. 1,866,784; Nov. 8.
Bora, Frank W., et al. (See Arey, Fred C., assignor.)
Borax Consolidated Limited. (See Kelly, Andrew, assignor.)
Borba, Joseph R., Lathrop, Calif. Bank safety lock. 1,852,642; Apr. 5.
Borchers, Alvin, assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Short circuiter for electric motors. 1,887,672; Nov. 15.
Borchers, Rolf. (See Krebs, H., and Borchers.)
Borchers, Wilhelm. (See Stimson, R. W., and Borchers.)
Borchert, Fred L., Rockford, Ill. Terminal puller. 1,853,846; Apr. 12.
Borchert, Fred L., Rockford, Ill. Cutting and coating machine. 1,869,090; July 26.
Borchert, William, assignor to The Tagit Company, Rockford, Ill. Clip. 1,872,232; Aug. 16.
Borchgrevink, Otto F., assignor to Orkla Grube-Aktiebolag, Lokken Verk, near Trondhjem, Norway. Loading boreholes with explosives, and means for working said method. 1,841,874; Jan. 19.
Borcholt, Albert, and O. Meyer, Bergedorf, near Hamburg, Germany, assignors to Firm Gebr. Heinkessler, Hamburg, Germany. Arrangement for teasing and layering spun glass. 1,887,673; Nov. 15.
Bordeaux, Claude G., Slingerlands, N. Y. Heating system. 1,885,225; Nov. 1.
Bordeaux, Ephriam P., assignor to Perfection Steel Body Company, Galion, Ohio. Truck body. 1,891,301; Dec. 20.
Borden, Bradford T., Lakewood, assignor to The Borden Company, Warren, Ohio. Diestock. 1,844,419; Feb. 9.
Borden, Bradford T., Lakewood, assignor, by mesne assignments, to The Borden Company, Warren, Ohio. Workholder. 1,853,255; Apr. 12.
Borden, Bradford T., Lakewood, Cleveland, assignor of one-fourth to W. A. Neracher and one-half to The Borden Company, Warren, Ohio. Workholder for diestocks and the like. 1,858,849; May 17.
Borden, Bradford T., Lakewood, assignor of one-half to The Borden Company and one-half to W. A. Neracher, Warren, Ohio. Pipe guide for diestocks. 1,858,850; May 17.
Borden, Bradford T., Lakewood, assignor of one-half to W. A. Neracher and one-half to The Borden Company, Warren, Ohio. Die stock. 1,883,332; Oct. 18.
Borden, Bradford T., Lakewood, assignor of one-half to W. A. Neracher and one-half to The Borden Company, Warren, Ohio. Die stock. 1,883,333; Oct. 18.
Borden, Bradford T., Lakewood, assignor of one-half to W. A. Neracher and one-half to The Borden Company, Warren, Ohio. Diestock. 1,883,334; Oct. 18.
Borden, Charles R. C., Boston, Mass. Ventilator. 1,871,298; Aug. 9.
Borden Company, The. (See Borden, Bradford T., assignor.)
Borden Company, The, et al. (See Borden, Bradford T., assignor.)
Borden Company, The, et al. (See Borden, B. T., and Neracher.)
Borden Company, The. (See Green, Lee B., assignor.)
Borden Company, The. (See Lockwood, Edwin J., assignor.)
Borden Company, The. (See McClatchie, John M., assignor.)
Borden Company, The. (See Mitton, William E., assignor.)
Borden Company, The. (See Nonneman, Ira W., assignor.)
Borden Company, The. (See Pealer, Robert B., assignor.)
Borden Company, The. (See Pennington, Mary E., assignor.)
Borden Company, The. (See Schibsted, Helge, assignor.)
Borden Company, The. (See Sprague, Alson J., assignor.)
Borden Company, The. (See Stevenson, Albert F., assignor.)
Borden, Edward R., Junction, Tex. Ice scoring machine. 1,844,628; Feb. 9.
Borden, Fred W., San Francisco, Calif. Illuminating cabinet. 1,891,498; Dec. 20.
Borden, Max, New York, N. Y. Toy. 1,886,785; Nov. 8.
Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Double-indicating double-recording gauge. 1,878,460; Sept. 20.
Borden, Perry A., assignor to The Bristol Company, Waterbury, Conn. Valve device. 1,890,494; Dec. 13.
Borden, Stephen W. (See Roe, Ralph C., assignor.)
Borden, Stephen W., Summit, N. J. Electrical bonding device. 1,860,800; May 31.
Borden, Stephen W., Summit, N. J. Bonding bushing. 1,860,801; May 31.
Borden, Stephen W., Summit, N. J. Conduit bonding fitting. 1,860,802; May 31.
Borden, Stephen W., Summit, N. J. Ground resistance meter. 1,876,324; Sept. 6.
Borden, Stephen W., Summit, N. J. Earth electrode meter. 1,882,113; Oct. 11.
Borden, Stephen W., Summit, N. J. Earth ohmmeter. 1,891,915; Nov. 15.
Bordman, Morris, Philadelphia, Pa. Antimoth cake. 1,848,412; Mar. 8.
Bordman, Morris, Philadelphia, Pa. Packaged antimoth cake and deodorant. Des. 88,622; Dec. 13.
Borel, Charles, Chene-Bougeries, near Geneva, Switzerland. Installation for registering data by perforation by manual and automatic means. 1,863,097; June 14.
Borel, Charles, Geneva, Switzerland. Apparatus for computing statistical data. 1,863,098; June 14.
Borer, Josef, Breitenbach, near Basel, Switzerland. Apparatus for the manufacture of mica sheets. 1,842,008; Jan. 19.
Borg & Beck Company, The. (See Anderson, Arthur W., assignor.)
Borg & Beck Company, The. (See Gamble, David E., assignor.)
Borg & Beck Company, The. (See Reed, Harold V., assignor.)
Borg, Erik, et al. (See Anderson, Carl J., assignor.)
Borg, Gustaf H., Hallingsjo, Sweden. Antiskid device for tires. 1,855,270; Apr. 26.
Borg, Henry L., Stamford, Conn., assignor to General Foods Corporation. Molding chocolate. 1,856,153; May 3.
Borg-Warner Corporation. (See Lyman, Kenneth E., assignor.)
Borgeson, Peter O., Miami, Fla. Window hinge. 1,853,659; Jan. 5.
Borgeson, Sidney E., Rome, assignor to General Cable Corporation, New York, N. Y. Apparatus for serving strand material. 1,889,269; Nov. 29.
Borggräfe, Friedrich, Weldenau-on-the-Sieg, Germany. Manufacturing sheet-resisting iron such as iron for diecasting nuts, iron for screws, and the like. 1,860,568; May 31.
Borglin, Joseph N., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Purifying rosin. 1,849,537; Mar. 15.
Borgstrom, Parry, assignor to L. L. Reeves, Washington, D. C. Refining clay. 1,890,269; Jan. 5.
Borgstrom, Wilhelm M., and O. E. Haglund, Minneapolis, Minn. Mud shoe for motor vehicle wheels. 1,869,298; July 26.
Borias, Paul, Paris, France. Multistage amplifiers. 1,872,109; Aug. 16.
Boring, Charles E., Plano, Ill. Convertible raking and sweeping machine. 1,846,507; Feb. 23.
Boring, Mac O. (See Forney, S. G., and Boring.)
Borkent, Roelof H., The Hague, Netherlands. Current transformer. 1,865,430; July 5.
Borland, Bruce, Chicago, Ill. Seal. 1,850,825; Mar. 22.
Borland, John A., St. Paul, Minn., assignor to Borland Transportation and Manufacturing Company. Roller bearing. 1,880,738; Oct. 4.
Borland, John A., St. Paul, Minn., assignor to Borland Transportation and Manufacturing Company. Block signal checking device for railroads. 1,880,739; Oct. 4.
Borland, Joseph H. T., Kilmarnock, Scotland. Emergency sluice gate. 1,887,674; Nov. 15.
Borland Transportation and Manufacturing Company. (See Borland, John A., assignor.)

Bo:m, Ferdinand H., Chicago, Ill. Razor stropping machine. 1,841,782; Jan. 19.
Borm, Ferdinand H., Chicago, Ill. Razor stropper. 1,870,657; Aug. 9.
Borman, Tony, Brooklyn, assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch carrier. 1,844,650; Feb. 9.
Bormann, Harry, Seguin, Tex. Tractor attachment. 1,870,485; Sept. 6.
Bormann, Karl, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Uniform dyeing of viscose. 1,853,501; Apr. 12.
Bormans, Emile, Villemomble, assignor to Georges Touranchet, Vincennes, France. Utilizing ivory scrap. 1,885,563; Nov. 1.
Born, Adolph, Lawrence, Mass. Shear machine. 1,867,205; July 12.
Born, Arthur C. (See Oldberg, V., and Born.)
Born, Arthur C. (See Spaulding, R. C., Oldberg, and Born.)
Born, Harry, Merchantville, N. J., assignor to A. M. Collins Manufacturing Co., Philadelphia, Pa. Binder. 1,840,184; Jan. 5.
Born, Julius M., assignor of one-half to J. J. Danner, St. Paul, Minn. Widow bracket. 1,853,502; Apr. 12.
Born, William G. (See Mohr, J. S., and Born.)
Bornemann, Joseph, Trenton, N. J. Safety razor. 1,868,379; July 19.
Bornhauser, Oskar, Frankfort-on-the-Main, Germany. Photographic film picture and producing the same. 1,886,266; Nov. 1.
Bornhauser, Otto E., assignor to Her-Born Engineering and Manufacturing Company, Sandusky, Ohio. Coal pulverizer and feeder. 1,861,779; June 7.
Bornhoft, Eugene M., Chicago, Ill. Directory board. 1,860,985; May 31.
Bornkessel, Bruno, Essen, assignor to Fried. Krupp Aktiengesellschaft Essen-on-the-Ruhr, Germany. Printing mechanism for cash registers. 1,879,838; Sept. 27.
Bornkessel, Bruno, E. Breitling, K. A. Lehmann, and A. Varrea, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cash register. 1,865,883; July 5.
Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Printing frame. 1,840,307; Jan. 12.
Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Film and plate hanger. 1,858,576; May 17.
Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Enlarging apparatus. 1,883,510; Oct. 18.
Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Film holder for cameras. 1,883,511; Oct. 18.
Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Focusing device for cameras. 1,885,982; Nov. 1.
Bornmann, Carl A., assignor to Agfa Ansco Corporation, Binghamton, N. Y. Camera body. 1,858,575; May 17.
Bornmann, Carl A., assignor to Agfa Ansco Corporation, Binghamton, N. Y. Camera front. 1,883,512; Oct. 18.
Borochoff, Louis, Atlanta, Ga. Automobile tire pump. 1,846,784; Feb. 23.
Borough, Willard L., Los Angeles, Calif. Self aligning pump adjuster. 1,854,290; Apr. 19.
Borovec, Joseph, Berwyn, and R. H. Kuehmsted, Highland Park, assignors to Thompson & Jameson Corporation, Chicago, Ill. Governor for variable speed generators. 1,855,333; Apr. 26.
Borowsky, Peter, assignor of one-ninth to A. Muldoon, one-ninth to J. Stanton, one-ninth to T. Muldoon, one-ninth to W. Curley, Detroit, and one-ninth to M. Muldoon, Highland Park, Mich. Station indicator. 1,846,039; Feb. 23.
Borregard, Ernst, Great Neck, assignor to Leo H. Fuller, Inc., Long Island City, N. Y. Advertising device. 1,860,380; May 31.
Borreson, Helge A., Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,843,596; Feb. 2.
Borrello, Frank, Everett, Mass. Garment hanger. 1,867,247; July 12.
Borrmann, George R., Oakland, Calif. Storage rack. 1,870,911; July 19.
Borro, Edward F., Totowa Borough, assignor to Mack Molding Co., Wayne, N. J. Cap for containers. 1,842,309; Jan. 19.
Borroughs, Joseph N. (See McCormick, Herbert S., assignor.)
Borrowdale, Russell W., Chicago, Ill., assignor, by mesne assignments, to The Jogger Manufacturing Company. Automatic jogger. 1,863,465; June 14.
Borsetti, Gaspare, Biella, Italy. Fire extinguisher. 1,866,746; July 12.
Borsky, Harry, and H. Freedman, New York, N. Y. All metal partition. 1,852,833; Apr. 5.
Borson, Sophus P. C., Loveland, Colo. Garter. 1,859,070; May 17.
Borthwick, Harold H., Lititz, assignor to Armstrong Cork Company, Lancaster, Pa. Flooring unit. 1,845,579; Feb. 16.
Bortkewicz, Louie, Racoon, Pa. Bit-forging machine. 1,857,011; May 3.
Borton, Alwyn E., South Orange, assignor to Associated Manufacturers, Inc., Ampere, N. J. Cutting and forming machine. 1,883,513; Oct. 18.
Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Hammer crusher. 1,872,233; Aug. 16.
Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,877,121; Sept. 13.
Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Crushing machinery. 1,884,544; Oct. 25.
Borton, Harry, Beloit, Ohio. Drop forge die adjuster. 1,839,370; Jan. 5.
Bortone, Frank, assignor to The Dorin Corporation, Jersey City, N. J. Packing and making same. 1,860,649; May 31.
Boruff, Clair S. (See Buswell, A. M., and Boruff.)
Borup, Henri E. A. (See Haigh, L. B., and Borner.)
Borzin, Milon H., Chicago, Ill. Permutation lock. 1,857,797; Nov. 15.
Bosch, Henry, jr., San Francisco, Calif. Combination pencil pointer and refuse receptacle. 1,863,616; June 21.
Bosch, Robert, Aktiengesellschaft. (See Allendorff, Fritz, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Baur, Ottmar, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Breitbart, H., Kurz, and Walther, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Brodbeck, G., and Rehm, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Callsen, Albert, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Durst, Ernst, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Kazenmaier, August, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Kazenmaier, A., and Dorn, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Klaiber, Erich, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Kleinert, Karl, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Lang, Franz, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Lorenz, K., and Schiesswohl, assignors.)
Bosh, Robert, Aktiengesellschaft. (See Menael, Friedrich, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Mohrle, Artur, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Rall, M., and Allendorff, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Rall, M., and Bischoff, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Rehm, Alfred, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Rehm, A., and Sachs, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Rehm, A., Wolff, and Walther, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Schweizer, Karl.)
Bosch, Robert, Aktiengesellschaft. (See Selling, Otto, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Steinhart, Hermann, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Steinhart, H., and Arnold, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Stockmeyer, Friedrich W., assignor.)
Bosch, Robert, Aktiengesellschaft. (See Sturm, Wilhelm, assignor.)
Boschert, Rufus E., Syracuse, N. Y. Hydraulic baling press. 1,861,468; June 7.
Bosco, George B., Chicago, Ill. Form clamp. 1,849,397; Mar. 15.
Bosh, Frank, La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Relay. 1,850,374; Mar. 22.
Bosler, George A., Chicago, Ill. Brush handle. 1,871,146; Aug. 9.
Bosler, Wilson T., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Apparatus for cooling coke. 1,857,618; May 10.
Bosque, José V., Habana, Cuba. Speedometer. 1,849,447; Mar. 15.
Boss, Edward. (See Wood, A. A., and Boss.)
Boss Manufacturing Company, The. (See Shimer, Calvin J., assignor.)
Bossard, Gisbert L., assignor to General Kontrolar Company, Inc., Dayton, Ohio. Electric motor. 1,851,543; Mar. 29.
Bossard, Gisbert L., assignor, by mesne assignments, to The Leland Electric Company, Dayton, Ohio. Circuit interrupter. 1,880,740; Oct. 4.
Bossard, Theodore, Salt Lake City, Utah. Carburetor. 1,847,747; Mar. 1.
Bossart, John, Los Angeles, Calif. Hydraulic torque converter. 1,877,796; Sept. 20.
Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,843,477; Feb. 2.

Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Coding apparatus. 1,858,876; May 17.

Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controlling apparatus. 1,880,033; Sept. 27.

Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,886,372; Nov. 8.

Bosse, August, Herford, Germany. Preparation of a cellular raw material suitable for artificial materials, particularly artificial silk. 1,882,175; Oct. 11.

Bossert, Edward, East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Vehicle wheel. 1,865,432; July 5.

Bossert, Theodore W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Controlling grain growth in aluminum manganese alloys. 1,845,781; Feb. 16.

Bossert, Theodore W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Controlling grain growth in aluminum manganese alloys. 1,869,906; Aug. 2.

Bossert, William F. (See Burke, William R., assignor.)

Bossert, Walter F. (See Shelton, Maurice C., assignor.)

Bossert, William F., assignor to Signal Accessories Corporation, Utica, N. Y. Pipe carrier support. 1,878,100; Sept. 20.

Bossetta, Gaspar R., New Orleans, La. Aquarium. 1,858,142; May 10.

Bosshard, Arnold, Arbon, Switzerland, assignor to Sir James Farmer Norton & Company Limited, Lancashire, England. Mercerizing machine. 1,875,984; Sept. 6.

Bossini, Raoul F. (See Mainri, Ilo, and Bossini.)

Bost, William D., assignor to Orange-Brush Company, Chicago, Ill. Apparatus for producing citrus fruit juices. 1,878,099; Sept. 20.

Bostic, Ralph R., Long Beach, Calif. Operating rod guide. 1,891,615; Dec. 20.

Bostock, Edgar H., Nutley, N. J. Mine car. 1,865,352; June 28.

Boston Gear Works, Inc. (See Johnson, Karl E., assignor.)

Boston Gear Works, Inc. (See Schumb, M. T., and Tougas, assignors.)

Boston Machine Works Company. (See Osgood, Walter P., assignor.)

Boston Metal Company. (See Gyourko, Joseph E.)

Boston, William, et al. (See Morgan, Toney W., assignor.)

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)

Boston Woven Hose & Rubber Company. (See Bruner, Herbert L., assignor.)

Bostwick, Henry C. (See Hudson, C. B., and Bostwick.)

Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire core. 1,862,655; June 14.

Bostwick, Henry C., assignor to The Akron Standard Mold Co., Akron, Ohio. Segmental drum. 1,866,390; July 5.

Bostwick, Henry C., assignor to The Akron Standard Mold Co., Akron, Ohio. Hinged forming drum. 1,866,391; July 5.

Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire core and chuck. 1,866,994; July 12.

Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire core extractor. 1,877,751; Sept. 13.

Bostwick, Henry C., Kenmore, assignor to The Akron Standard Mold Company, Akron, Ohio. Method and apparatus for splicing unvulcanized inner tubes. 1,865,669; July 5.

Bostwick, Lee D., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 1,868,090; July 19.

Bostwick, Lee G., Chatham, N. J., assignor to American Telephone and Telegraph Company. Amplifying system. 1,869,459; Aug. 2.

Bostwick Steel Lath Company, The. (See Purser, William J., assignor.)

Boswell, Fox M., et al. (See Smith, William A., assignor.)

Boswell, Fox M. (See Vock, W. A., and Boswell.)

Boswell, Maitland C., Toronto, Ont., Canada. Reduction of sulphur dioxide. 1,880,741; Oct. 4.

Bosworth, Cyrus M. (See Dickinson, Henry A., assignor.)

Bosworth, Cyrus M., Riverside, Ill. Cutting tool head. 1,880,742; Oct. 4.

Bosworth, Harry J., assignor to Harry J. Bosworth Company, Chicago, Ill. Mount for X-ray films and the like. 1,859,197; Apr. 12.

Bosworth, Harry J., Company. (See Bosworth, Harry J., assignor.)

Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Bucket cleanout mechanism for conveyers. 1,853,717; Apr. 12.

Both, Tonjes A., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Mercury switch. 1,878,667; Sept. 20.

Bothe, Clarence W. (See Cleveland, W. H., and Bothe.)

Bothwell, Melvin, Atlantic City, N. J. Counter-sunk ash tray for card tables. 1,876,559; Sept. 13.

Botnick, Maurice M., assignor to J. W. Wunsch and S. Wunsch, co-partners doing business as Silent Hoist Winch & Crane Co., Brooklyn, N. Y. Ash hoist and lowering attachment. 1,868,878; July 26.

Botscheider, George F., and H. H. Schuder, Los Angeles, Calif. Permanent hair waver. 1,853,023; Apr. 12.

Bott, George R., assignor to Norma-Hoffmann Bearings Corporation. Stamford, Conn. Antifriction bearing. 1,871,033; Aug. 9.

Bott, George R., assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Antifriction bearing. 1,888,215; Nov. 22.

Bott, Joseph, assignor to Bastian Brothers Company, Rochester, N. Y. Badge. 1,849,904; Mar. 15.

Bott, Joseph, assignor to Bastian Brothers Company, Rochester, N. Y. Badge. 1,851,964; July 29.

Botten, Henry W., Lakewood, assignor to The Owen Bucket Company, Cleveland, Ohio. Clamshell bucket. 1,884,793; June 28.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Record card ejector and deflector for autographic registers. 1,870,231; Aug. 9.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding device. 1,870,277; Aug. 9.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Indicator. 1,882,313; Oct. 11.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding device. 1,888,216; Nov. 22.

Bottle, Harry L. (See Olsen, J. C., jr., and Bottle.)

Bottle, Harry L. (See Olsen, J. C., jr., Bottle, and Johns.)

Bottle Tops, Inc. (See Crookshank, Clarence W., assignor.)

Bottoms, Robert R., assignor, by mesne assignments, to The Gridder Corporation, Louisville, Ky. Pressure control valve. 1,849,475; Mar. 15.

Bottoms, Robert R., assignor to The Helium Company, Louisville, Ky. Extracting helium. 1,850,529; Mar. 22.

Bottoms, Robert R., assignor to The Helium Company, Louisville, Ky. Extracting helium. 1,851,115; Oct. 4.

Bottoms, Robert R., assignor to The Helium Company, Louisville, Ky. Apparatus for the extraction of helium from gaseous mixtures. 1,851,116; Oct. 4.

Bottrell, Elbert C., Milwaukee, Wis. Folding crate. 1,891,342; Dec. 20.

Bottrell, Henry T., Sydney, Australia, assignor to Repulso, Inc. Rodent repellant and insecticidal composition and process of producing the same. 1,871,949; Aug. 16.

Bottrell, David H., assignor to Thermwell Controls Limited, Montreal, Quebec, Canada. Wire connecting device. 1,888,945; Nov. 22.

Botts, Edward W., Chicago, Ill. Automatic switch. 1,880,743; Oct. 4.

Bouchard, Alice M., administratrix. (See Bouchard, Homer J.)

Bouchard, Elisée, St. Pascal, Quebec, Canada. Combination pipe and tapping means. 1,866,446; July 5.

Bouchard, Frank M., St. Elmo, Ala. Oil stick wiper. 1,871,268; Aug. 9.

Bouchard, Homer J., deceased, Chicago, Ill., A. M. Bouchard, administratrix. Cigar lighter. 1,880,744; Oct. 4.

Bouchard, John J., Bedford, Pa. Combined pipe cutter and threader. 1,877,797; Sept. 20.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frame. Des. 86,011; Jan. 19.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bridge for an ophthalmic mounting. Des. 86,190; Feb. 16.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Mat material for ophthalmic mountings. Des. 87,825; Sept. 27.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,844,143; Feb. 9.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and attaching same. 1,878,370; Sept. 20.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and making same. 1,878,371; Sept. 20.

Boucher, Adam. (See Dufault, Homer D., assignor.)

Boucher, Adam, et al. (See Dufault, Homer D., assignor.)

Boucher, Morris, March Field, Calif. Lubricating system. 1,859,549; May 24.

Boucher, William. (See Karls, W. N., and Boucher.)

Boucherot, Paul, and G. Claude, Paris, France. Submarine water-duct. 1,871,034; Aug. 9.

Boudette, Clayton M., Revere, Mass. Combined envelope sealer and opener. 1,885,105; Nov. 1.

Boudin, Louis, St. Gobain, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for making sheet glass. 1,859,862; May 24.

Boudion, William M., New York, N. Y. Circuit breaker. 1,859,377; May 24.

Boudrot, Augustus H. (See Fausse, J., and Boudrot.)

Bouese, Albert, Bremen, Germany. Arch supporting insole. 1,847,810; Mar. 1.

Bouer, Bernard L. (See Kaplan, H. E., and Bouer.)
Bouffier, Charles A. (See Epstein, D., Fowler, and Bouffier.)
Bouget, Yves A., East Orange, and L. O. Reichelt, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting arbor. 1,861,562; June 7.
Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Colored composite insulating material. 1,845,260; Aug. 30.
Bougon, Georges H., San Francisco, Calif. Magnetic device. 1,859,764; May 24.
Boulard, Samuel L., assignor to A. Whittell, San Francisco, Calif. Sealing plug. 1,880,745; Oct. 4.
Boulade, Antonin, assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,874,233; Aug. 30.
Boulanger, Anthony D., and F. F. Hubrich, assignors of one-third to F. D. Boulanger, 2d, Ridgefield Park, N. J. Safety razor blade carrier. 1,845,956; Feb. 16.
Boulanger, Frank D., 2d. (See Boulanger, A. D., and Hubrich, assignors.)
Boulanger, Jacques L., otherwise known as Jacques Deval, and L. A. Dugeon, Paris, France. Apparatus for synchronous cinematographic projection and phonographic audition. 1,864,519; June 28.
Boulard, Constance, New York, N. Y. Making plaques and the like. 1,869,939; Aug. 2.
Boulet, Georges, Nevres, France. Valve operating mechanism. 1,855,796; May 3.
Boulet, Robert L., Scranton, Pa., and W. E. Boulet, Canton, N. Y. Shoe fastening device. 1,862,047; June 7.
Boulet, William E. (See Boulet, Robert L., and W. E.)
Bounce, Paul R., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air-cooled oil-insulated transformer. 1,841,053; Jan. 12.
Bound, Harry H. (See Krantz, H. W., Holden, and Bound.)
Bounds, Benjamin F., Rosston, Okla., assignor of one-half to O. Wear, Englewood, Kans. Hitch. 1,879,052; Sept. 27.
Boundy, Ray H. (See Grebe, J. J., and Boundy.)
Bourbonnais, Joseph A., Holyoke, Mass. Air supply control means for oil burners. 1,872,396; Aug. 16.
Bourdon, Pierre M. A., Clermont-Ferrand, Michelin et Cie., Clermont-Ferrand, France. Vehicle wheel. 1,892,606; Dec. 27.
Bourdon, Andreas A. (See Deliginnes, T. N., and Bourdes.)
Bourdet, Amédée L. R., Bordeaux, France. Actuating a water flushing device. 1,875,983; Sept. 6.
Bourdon, Augustus C., Altoona, Pa. Garbage pail. 1,886,630; Nov. 8.
Bourgeois, Adelord. (See Sherman, O. L., and Bourgeois.)
Bourgeois, Adelord, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rounding and channeling machine. 1,861,654; June 7.
Bourn, Frederick J., P. L. Crane, and C. D. Vest, Los Angeles, Calif. Display container. 1,850,441; Mar. 22.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,839,462; Jan. 5.
Bourne, Roland B., assignor, by mesne assignments, to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,845,903; Feb. 16.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Engine oscillation controller. 1,860,569; May 31.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Window ventilator and silencer. 1,888,711; Nov. 22.
Bourquin, Edgard, Bry-sur-Marne, France. Automatic change speed mechanism. 1,860,010; May 24.
Bourquin, Paul M., Philadelphia, Pa., assignor to The Dictatype Shorthand Machine Company, Inc. Feeding and receiving basket for multiple impression typewriters. 1,841,824; Jan. 19.
Bousel, Morris, et al. (See Gilowitz, Benjamin, assignor.)
Boush, John A., assignor to Blackford Window Glass Company, Vincennes, Ind. Glass cutting mechanism. 1,869,44; July 26.
Bouslog, John G., Long Beach, Calif. Rod rack. 1,885,223; Nov. 1.
Bousman, Samuel I., Denver, Colo., assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation device. 1,892,648; Dec. 27.
Boutelle, William H. (See Stimson, R. L., and Boutelle.)
Bouthillon, Léon, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Directional antenna system. 1,863,741; June 21.
Boutin, Raoul L., Newburyport, Mass. Cigarette package and opening device therefor. 1,884,545; Oct. 25.
Bouton, Edgar. (See Kinnard, L. J., and Bouton.)
Bouton, Edgar M., Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company. Gate and door sequence. 1,888,712; Nov. 22.
Bouton, Edgar M., Chicago, Ill., and W. F. Eames, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Elevator control system. 1,871,656; Aug. 16.
Bouton, George M., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lead alloy. 1,880,746; Oct. 4.
Bouvier, Harold K., and F. Wells, La Grange, assignors to Temple Corporation, Chicago, Ill. Sound emitting device. 1,866,188; July 5.
Bouwers, Albert, assignor to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. Portable high tension transformer. 1,891,139; Dec. 13.
Bovard, Paul F., and T. D. Beckwith, Berkeley, Calif. Paper making technique. 1,884,546; Oct. 25.
Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,850,915; Mar. 22.
Boving, Henrik, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulated electric conductor. 1,845,041; Feb. 16.
Boving, Henrik, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulation for electrical conductors. 1,845,073; Feb. 16.
Boving, Jens O., Westminster, London, England. Reversible absorption or adsorption refrigerating apparatus. 1,854,778; Apr. 19.
Bovis (1923) Limited. (See Pinto, Edward H., assignor.)
Bowden, Harry C., Los Angeles, Calif. Blade sharpener. 1,859,030; Nov. 29.
Bowden, Orlis V. (See Emery, E. A., and Bowden.)
Bowditch, Frederick T., Lakewood, Ohio, assignor to National Carbon Company, Inc. Automatic battery charging system. 1,846,246; Feb. 23.
Bowen, Adna G., Medina, N. Y. Gear differential. 1,859,195; Jan. 5.
Bowen, Adna G., Medina, N. Y. Universal joint. 1,865,300; June 28.
Bowen, Daniel V., Attleboro, Mass., assignor to C. A. Marsh & Co., Inc. Swivel mounting for penholder. Des. 85,906; Jan. 5.
Bowen, Daniel V., Attleboro, Mass., assignor, by mesne assignments, to L. E. Waterman Company, New York, N. Y. Desk stand. Des. 86,077; Jan. 26.
Bowen, Daniel V., Attleboro, Mass., assignor, by mesne assignments, to L. E. Waterman Company, New York, N. Y. Penholder for writing instruments. 1,842,503; Jan. 26.
Bowen, Jr., Francis J. (See Brotherman, Bernard, and Bowen, jr.)
Bowen, Henry B., Montreal, Quebec, Canada, assignor to The Superheater Company, New York, N. Y. Mud ring. 1,851,544; Mar. 29.
Bowen, Herbert C., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Valve. 1,841,354; Jan. 19.
Bowen, Herbert C., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Taxicab door closure. 1,855,043; Apr. 19.
Bowen, Herbert C., Royal Oak, assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure operated brake mechanism. 1,886,936; Nov. 8.
Bowen, Herbert C., and J. R. Heidloff, Detroit, Mich., assignors to Hydraulic Brake Company, Los Angeles, Calif. Brake mechanism. 1,885,134; Nov. 1.
Bowen, John C., Hunters, Wash. Milk draining tube. 1,888,977; Nov. 29.
Bowen, John E. (See Bowen, Robert S. and J. E.)
Bowen, Kenneth H., assignor to Henry and Allen, Auburn, N. Y. Heater for water-cooled engines. 1,855,512; Apr. 26.
Bowen, Lester W., Larchmont, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection system and projection lens system therefor. 1,863,099; June 14.
Bowen, Percy P., North Tonawanda, N. Y. Hammer mill blade. 1,841,355; Jan. 19.
Bowen Products Corporation. (See Gleason, Frederick H., assignor.)
Bowen, Robert S., and J. E., West Newton, Mass. Motion picture apparatus. 1,876,845; Sept. 13.
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Spool and the like. 1,842,143; Jan. 19.
Bowen, Troy A. L., Tulsa, Okla. Adjustable jack or Samson post. 1,853,256; Apr. 12.
Bowen, William S., Westfield, N. J. Cooling system for fluid-actuated turbines. 1,880,747; Oct. 4.
Bower, George D., Columbia Heights, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 1,845,227; Feb. 16.
Bower, George D., Columbia Heights, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch for magnetically operable devices. 1,861,046; May 31.
Bower, Joseph E., Milwaukee, Wis. Hydraulically operated clutch. 1,880,748; Oct. 4.
Bower, Nicholas, Gasport, N. Y. Fruit grader. 1,867,054; July 12.
Bower Roller Bearing Company. (See Strickland, Silas A., assignor.)
Bower, Sigmund, Brooklyn, N. Y. Clothespin. 1,874,871; Aug. 30.
Bower, Ward E., Washington, D. C. Oscillation generator. 1,849,271; Mar. 15.
Bower, Ward E., Washington, D. C. Electromechanical vibrator mounting. 1,875,324; Sept. 6.
Bower, Ward E., Washington, D. C. Electrical generating system. 1,884,547; Oct. 25.
Bowerman, James B., Baltimore, Md. System for recording. 1,860,227; May 24.
Bowers, Anny B., New York, N. Y. Double serving compact. 1,841,933; Jan. 19.
Bowers, Dana W., et al. (See Bowers, Ernest F., assignor.)

Bowers, Edward C., et al., receivers. (See Browning, Roger M., assignor.)
Bowers, Edward C., et al, receivers. (See King, Vernon C., assignor.)
Bowers, Edward C., et al. (See Ward, R. H., and Bowers.)
Bowers, Edward W., Medina, N. Y. Mooring apparatus for airships. 1,861,780; June 7.
Bowers, Ernest F., Lansdale, assignor of one-third to D. W. Bowers and one-third to C. T. Asbury, Philadelphia, Pa. Aluminum alloy soldering flux. 1,859,651; May 24.
Bowers, Frank. (See Snow, N. L., Bowers, and Howse.)
Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,468; Mar. 1.
Bowers, Frank, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 1,865,080; June 28.
Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,877,719; Sept. 13.
Bowers, Frank, and N. L. Snow, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,865,419; June 28.
Bowers, Frank E., Drexel Hill, Pa., assignor to Wall & Orbs, Incorporated, Philadelphia, Pa. Ophthalmic mounting. Des. 87,617; Aug. 23.
Bowers, Frederick M., Chester, Pa. Sand-blaster's helmet. 1,872,877; Aug. 23.
Bowers, Frederick M., Chester, Pa. Welder's mask. 1,874,872; Aug. 30.
Bowers, Frederick U., San Francisco, and A. T. Lockwood, Fresno, Calif. Rebasing artificial dentures. 1,887,749; Nov. 15.
Bowers, Harold E., Chicago, Ill., assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,869,657; Aug. 2.
Bowers, William W., assignor to H. S. Jack, Detroit, Mich. Spring for hood. 1,847,902; Mar. 1.
Bowes, Laurence C., Chicago, Ill., assignor by mesne assignments to U. S. Oil and Service Corporation, New York, N. Y. Pulverized fuel supplying means for internal combustion engines. 1,861,379; May 31.
Bowie, Augustus J., San Francisco, Calif. Electric fuse. 1,862,140; June 7.
Bowker, Ervin, Fall River, Mass. Bearing bolster for spindles. 1,868,688; July 26.
Bowker, Lorraine W., Chicago, N. Y. Automatic conveyer control. 1,846,083; Feb. 23.
Bowker, John E., Ivanhoe, near Melbourne, Victoria, Australia. Developing unit for X-ray and other photographic films. 1,890,366; Dec. 6.
Bowker, William. (See Walsh, J. F., and Bowker.)
Bowker, William, Newark, and John Walsh, East Orange, N. J., assignors to Celluloid Corporation. Decorative material. 1,864,794; June 28.
Bowlby, Sherry V., Wichita, Kans. Sander. 1,887,620; Nov. 15.
Bowles, Edward L., Wellesley Farms, Mass. Phonograph record. 1,869,682; June 21.
Bowles, Leslie B. (See Joyner, R. T., Bowles, and Freed.)
Bowles, Raymond A., Columbus, Ga. Card distributor. 1,839,640; Jan. 5.
Bowley, Edward J., assignor to Rubber & Celluloid Products Co., Newark, N. J. Coloring cellulosic plastics. 1,891,520; Dec. 20.
Bowling, Robert T., assignor, by mesne assignments, to Potlatch Forests, Inc., Lewiston, Idaho. Briquetting machine. 1,881,397; Oct. 4.
Bowlus, Glenn H., Alhambra, Calif. Mud fluid pressure gauge. 1,861,999; June 7.
Bowlus, Glenn H., Alhambra, Calif. Oil well surveying device. 1,891,451; Dec. 20.
Bowman, A. B. (See Anderson, Robert H., assignor.)
Bowman, Archibald M., G. Graham, and J. D. Nixon, assignors to The Texas Company, World Sales Corporation, Houston, Tex. Standing valve. 1,873,735; Aug. 23.
Bowman, Clifton, Hampton, Va. Valve grinder. 1,866,447; July 6.
Bowman, Frederic C., assignor to A. R. Maas Chemical Co., Los Angeles, Calif. Trisodium phosphate-sodium nitrate. 1,890,453; Dec. 13.
Bowman, Harold M., Summit, N. J., and R. W. Fentress, Elizabeth, N. J., assignors to Standard Oil Development Company. Container valve. 1,875,325; Sept. 6.
Bowman, Henry V. (See Woolsey, C. A., and Bowman.)
Bowman, Hugh R., Salem, Mont. Weeder. 1,855,820; Apr. 26.
Bowman, Hyman D., Pittsburgh, Pa. Air-conditioner for internal combustion engines. 1,890,107; Dec. 6.
Bowman, James H., Honolulu, Hawaii. Bill book. 1,876,043; Sept. 6.
Bowman, John C. (See Bunch, Jacob W., assignor.)
Bowman, John M., Santa Ana, Calif. Fender for agricultural implements. 1,855,174; Apr. 19.
Bowman, Louis G., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Presser foot mechanism. 1,880,749; Oct. 4.
Bowman, Myrtle A., Rochester, Minn. Colostomy belt. 1,857,179; May 10.
Bowman, Oliver S., Colorado Springs, Colo. Fireproof floor construction. 1,844,310; Feb. 9.
Bowman, Oliver S., Colorado Springs, Colo. Coal carbonizing power plant and reducing coal. 1,858,135; May 10.
Bowman, Reginald G. (See Johnson, G. E., Bowman, and Knox.)
Bowman, Robert H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Safety valve. 1,880,402; Oct. 4.
Bowman, Samuel B. (See Bennett, R., and Bowman.)
Bowman, William F., Ocean Park, Calif. Rocker bearing for walking beam end-connections. 1,869,405; Aug. 2.
Bown, Gilbert C., and E. J. McCarthy, Long Beach, N. Y. Lubricating bearings. 1,879,839; Sept. 27.
Bown, Lewis H., East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 87,594; Aug. 9.
Bown, Lewis H., East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 87,595; Aug. 9.
Bown, Lewis H., East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 87,596; Aug. 9.
Bown, Lewis H., East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 87,708; Sept. 6.
Bown, Lewis H., assignor to Buffalo Pottery Company, Buffalo, N. Y. Making ceramic articles. 1,849,272; Mar. 15.
Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Telephone system. 1,859,910; May 24.
Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,882,753; Oct. 18.
Bowser, S. F., & Company. (See Brace, W. F., and Beluche, assignors.)
Bowser, S. F., & Company. (See Giffith, C. P., and Worden, assignors.)
Box Blank Corporation. (See Andrews, Champe S., assignor.)
Box Crane & Holst Corporation. (See Winterer, F. J., and Hogrebe, assignors.)
Box, John V., Los Angeles, assignor of one-half to Charles A. Dailey, Torrence, Calif. Safety deep well pump assembly. 1,878,372; Sept. 20.
Boyajian, Aram. (See McCarty, O. P., and Boyajian.)
Boyajian, Aram, Pittsfield, Mass., assignor to General Electric Company. Electric valve circuits. 1,866,343; July 5.
Boyajian, Aram, and E. V. De Bleux, Pittsfield, Mass., assignors to General Electric Company. Electrical regulator. 1,870,093; Aug. 2.
Boyar, Harry, assignor to Boyar Schultz Corporation, Chicago, Ill. Display stand or similar article. Des. 86,994; May 24.
Boyar Schultz Corporation. (See Boyar, Harry, assignor.)
Boyce, Charles, assignor of one-half to J. H. Bohan, Minneapolis, Minn. Leak stop. 1,865,079; July 5.
Boyce, Edward C., New York, N. Y. Article support. 1,839,293; Jan. 5.
Boyce, Edward C., assignor of one-half to E. Q. Moses, New York, N. Y. Golf bag. 1,849,610; Mar. 15.
Boyce, Erskine E., Gastonia, N. C. Sewing machine. 1,880,192; Oct. 4.
Boyce, Harrison H., New York, N. Y. Motor heat indicator. 1,844,055; Feb. 9.
Boyce, Harrison H., Jericho, N. Y. Thermometer. 1,860,986; May 31.
Boyce, James, Laketon, Mich., assignor to Chicago Glass Novelty Corporation, Marion, Ind. Sign and sign character. 1,859,911; May 24.
Boyce, John A., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,843,441; Feb. 2.
Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,842,469; Jan. 26.
Boyce, Leonard D., Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,879,053; Sept. 27.
Boyce, William H., assignor to The Delta-Star Electric Company, Chicago, Ill. Insulating support. 1,868,723; July 26.
Boyce, William S., Chicago, Ill. Angle bar for rail joints. 1,856,921; Apr. 19.
Boyce, William S., Chicago, Ill. Tie-plate. 1,870,440; Aug. 9.
Boyd, Arthur S., Topeka, Kans. Golf target. 1,862,462; June 7.
Boyd, Clarence A., Barnesville, assignor to The Watt Car and Wheel Company, Barnesville, Ohio. Mine car. 1,870,167; Aug. 2.
Boyd, Fred C. (See Littlejohn, Charles F., assignor.)
Boyd, George W., Edinburgh, Scotland. Liquid fuel burner. 1,864,795; June 28.
Boyd, Harold A., Glasgow, Scotland. Preventing ballooning of the yarn in flyer spinning and like frames. 1,879,054; Sept. 27.
Boyd, Landon B., assignor to The De Luxe Products Corporation, La Porte, Ind. Piston. 1,852,105; Apr. 5.
Boyd, Newton C., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Charge for high explosive shells. 1,840,431; Jan. 12.
Boyd, Newton C. Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Loading high explosive shells. 1,847,520; Mar. 1.

Boyd, Peter, Beaver, Pa., assignor to National Tube Company. Apparatus for making butt-weld pipe. 1,872,235; Aug. 16.

Boyd, Richard N. (See Snelling, W. O., and Boyd.)

Boyd, Robert H. (See Faries, R., and Boyd, assignors.)

Boyd, Stoits H., Venice, Calif. Door and window frame construction. 1,862,880; June 14.

Boyd, Thomas A., W. G. Lovell, and J. M. Campbell, assignors to General Motors Research Corporation, Detroit, Mich. Exhaust gas treatment. 1,845,990; Mar. 8.

Boyd, Thomas B., Butler, Pa. Metal coating furnace. 1,866,765; July 12.

Boyd, Thompson, assignor to Whitin Machine Works, Whitinsville, Mass. Cotton distributing mechanism. 1,873,179; Aug. 23.

Boyd, Truman O., et al. (See Ross, Warren A., assignor.)

Boyd, William N., Wilmington, Calif. Foot exerciser. 1,850,862; Mar. 22.

Boyden, Roland W., et al. (See Butterfield, Percy L.)

Boyden, Roland W., et al., receivers. (See Wakefield, Ernest A., assignor.)

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Hanger for wearing apparel. 1,839,894; Jan. 5.

Boye, James H., assignor to J. H. Boye Manufacturing Company, Chicago, Ill. Putting game appliance. 1,878,873; Aug. 30.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain crane support. 1,885,407; Nov. 1.

Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)

Boye Needle Company, The. (See Carlson, Gustaf A., assignor.)

Boye Needle Company, The. (See Davis, Edward D., assignor.)

Boye Needle Company, The. (See Davis, E. D., and Carlson, assignors.)

Boye Needle Company, The. (See Hall, George F., assignor.)

Boyer, Earle G., Philadelphia, Pa. Expanding internal milling machine. 1,852,601; Apr. 5.

Boyer, Hubert E., Thorntown, Ind. Chicken feeder. 1,859,728; May 24.

Boyer, Frederick G. L., Dayton, Ohio. Paper roll renewing device. 1,856,161; Mar. 22.

Boyer, Frederick G. L., assignor to R. H. Baker and G. W. Nicholas, Dayton, Ohio. Vending machine. 1,842,243; Jan. 19.

Boyer, Frederick G. L., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Weighing device. 1,850,754; Oct. 18.

Boyer, Frederick G. L., Dayton, Ohio. Transfer machine. 1,890,598; Dec. 13.

Boyer, Harold H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,864,182; June 21.

Boyer, Harold R., Grosse Pointe Farms, Mich. Carbonating device. 1,859,378; Nov. 1.

Boyer, Howard A., Bloomfield, N. J. Tank valve. 1,842,066; Jan. 19.

Boyer, Joseph, deceased, Detroit, Mich., by Detroit Trust Company; H. E. Candler, and S. Backus, executors, assignors to Burroughs Adding Machine Company, Detroit, Mich. Thermostatic dashpot. 1,883,514; Oct. 18.

Boyer, Otto F., Los Angeles, Calif. Apparatus for cooling liquids. 1,859,953; May 24.

Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Marking quartz. 1,862,366; June 7.

Boyer, Sylvester, Portland, Me., assignor to S. D. Warren Company, Boston, Mass. Manufacture of transparent paper. 1,862,656; June 14.

Boyes, Walter N., Epsom, Auckland, New Zealand. Manufacturing cereal meals. 1,846,581; Feb. 23.

Boykin, Charles E., et al. (See Smith, Richard F., assignor.)

Boykin, Christopher C., Norfolk, Va. Seed planting machine. 1,879,055; Sept. 27.

Boykow, Johann M., assignor to Messgerate Boykow, G. m. b. H., Berlin-Lichterfelde-West, Germany. Stabilizing apparatus. 1,869,840; Aug. 2.

Boykow, Johann M., Berlin-Lichterfelde-West, Germany. Apparatus for use in controlling aircraft. 1,885,578; Nov. 1.

Boylan, Glen. (See Gleason, O., and Boylan.)

Boyle, Blanchard, Indianapolis, Ind. Burglar alarm. 1,888,371; Nov. 22.

Boyle, Charles H., New Haven, Conn. Coring device. 1,844,538; Feb. 9.

Boyle, Eldridge R., Boston, Mass. Furring bracket. 1,856,205; May 3.

Boyle, Frank A., Poughkeepsie, N. Y. Automobile ventilator, windshield, and handwheel heater. 1,842,244; Jan. 19.

Boyle, Norman T., an T. F. Slattery, assignors to Holley Safety Window Inc., New York, N. Y. Window. 1,856,311; May 3.

Boynton, Alexander, San Antonio, Tex. Casing head. 1,848,307; Mar. 8.

Boynton, Alexander, San Antonio, Tex. Casing head. 1,862,920; June 14.

Boynton, Alexander, San Antonio, Tex. Automatic well flowing device. 1,882,060; Oct. 11.

Boynton, Alexander, San Antonio, Tex. Automatic stage lift flowing apparatus for wells. 1,884,548; Oct. 25.

Boynton, Alexander, San Antonio, Tex. Stage lift-flowing device. 1,884,549; Oct. 25.

Boynton, Alexander, San Antonio, Tex. Stage lift flowing device. 1,884,550; Oct. 25.

Boynton, Alexander, San Antonio, Tex. Casing head. 1,884,551; Oct. 25.

Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Hot blast stove. 1,849,657; Mar. 15.

Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for cleaning gases. 1,878,608; Sept. 20.

Boynton, Arthur J., assignor to H. A. Brassert & Company, Chicago, Ill. Checkerbrick and checkerwork construction. 1,880,011; Sept. 27.

Boynton, Charles T., assignor to Outing Manufacturing Company, Inc., Elkhart, Ind. Tackle box. 1,882,756; Oct. 18.

Boynton, Earl S., East Orange, N. J., assignor to Photomaten, Inc., New York, N. Y. Cooling means for photographic film tanks. 1,851,010; May 10.

Boynton, Frederick L., Sycamore, Ill. Differential gear. 1,888,656; Nov. 22.

Boynton, John E., Oakpark, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sealing joints. 1,882,757; Oct. 18.

Boynton, Stanley E., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing assembling fixtures. 1,882,755; Oct. 18.

Boynton, Walter, assignor to May 10 F. Weir, Carthage, N. Y. Tappet adjusting tool. 1,885,579; Nov. 1.

Boysen, George D., Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 85,973; Jan. 12.

Boysen, George D., Pawtucket, R. I., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 86,824; Apr. 26.

Boyton, John C., Cleveland, Ohio. Weather cap. 1,841,945; Jan. 5.

Bozeman, Virgil F., assignor to Deere & Company, Moline, Ill. Rotary hoe. 1,844,560; Feb. 9.

Bozeman, Virgin F., assignor to Deere & Company, Moline, Ill. Rotary hoe. 1,852,718; Apr. 12.

Bozorth, Harry S., jr., Philadelphia, Pa. Garment supporter. 1,856,152; May 3.

Brasch, August D. (See Smith, H. W., Brassch, and Walton.)

Braten, Edward O., and O. R. Harmer, Northfield, Minn. Storm window opening and closing device. 1,841,359; Jan. 19.

Braband, Karl, Berlin, Germany, assignor to General Electric Company, Cathode mounting for mercury vapor devices. 1,869,130; July 26.

Brabbée, Charles W., Bronxville, assignor to American Radiator Company, New York, N. Y. Boiler. 1,868,445; July 19.

Brabbée, Charles W., Bronxville, assignor to American Radiator Company, New York, N. Y. Radiator. 1,876,601; Sept. 13.

Brabbée, Charles W., Bronxville, and B. Goerg, Mount Vernon, assignors to American Radiator Company, New York, N. Y. Boiler. 1,885,175; Nov. 1.

Brabson, Frank, Newark, N. J. Furniture support. 1,867,283; Nov. 8.

Bracco, Frederick, Lyndhurst, N. J. Internal combustion engine. 1,849,398; Mar. 15.

Brace, Eugene O., Mayville, N. Y. Integral clutch and transmission control. 1,861,108; May 31.

Brace, Harry, Detroit, Mich. Metallic corner or joint. 1,860,650; May 31.

Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Producing alloys. 1,849,476; Mar. 15.

Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Preparing and purifying alloys. 1,858,386; May 17.

Brace, Porter H., Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,862,293; June 7.

Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Photoelectric tube. 1,871,357; Aug. 9.

Brace, William F., and F. E. Beluche, Buffalo, N. Y., assignors to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Filtering apparatus. 1,867,897; July 12.

Bracey, Horace E. P., Lithgow, New South Wales, Australia, Insect-proof jam jar and other food container. 1,886,373; Nov. 8.

Brach, E. J., & Sons. (See Petrovic, Frank, assignor.)

Brach, Leon S., East Orange, N. J., assignor, by mesne assignments, to General Railway Signal Company. Lightning arrester. 1,876,513; Sept. 6.

Brach, Leon S., East Orange, N. J., assignor, by mesne assignments, to General Railway Signal Company. Lightning arrester. 1,876,514; Sept. 6.

Bracht, Harold E., Everett, assignor to J. de Bracht, Bedford, Pa. Pancake turner. 1,869,299; July 26.

Brachtl, Henry. (See Bohlman, E. A., and Brachtl.)

Brachtl, Henry, assignor to Universal Products Machine Company, Inc., Chicago, Ill. Cigar lighter. Des. 86,103; Feb. 2.

Brack, John D., assignor of one-half to J. R. Richardson, Sulphur, La. Back pressure valve, 1,849,168; Mar 15.
Bracke, Robert F., (see Bradbury, C. C., and Bracke.)
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor, 1,841,707; Jan. 19.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor, 1,856,238; May 3.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Carburation and fuel feed system, 1,901,781; June 7.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor, 1,890,145; Dec. 6.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Conditioning fuel for internal combustion engines, 1,874,874; Aug. 30.
Bracke, Robert F., Chicago, assignor to C. B. Camp, Glencoe, Ill., trustee. Carburetor, 1,874,875; Aug. 30.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Fuel feed system for motor vehicles, 1,885,408; Nov. 1.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor, 1,890,145; Dec. 6.
Brackelsberg, Auguste, administrator. (See Brackelsberg, Karl.)
Brackelsberg, Carl, Milspe, Germany. Rotary drum furnace for melting metals, 1,881,117; Oct. 4.
Brackelsberg, Karl, Schwelm, Germany; Auguste Brackelsberg, administrator, Milspe, Germany. Process and apparatus for melting down easily fusible alloys, 1,845,222; Feb. 16.
Bracken, Thomas H., Rye, N. Y. Luggage tray, 1,842,578; Jan. 26.
Bracken, William A., Eldorado, assignor of one-half to W. B. Bracken, Augusta, Kans. Combined supporting and ratchet bracket, 1,860,228; May 24.
Bracken, William A., Eldorado, assignor of one-half to W. B. Bracken, Augusta, Kans. Combined supporting and ratchet bracket, 1,860,921; May 31.
Brackett, Clare L., Detroit, Mich. Apparatus for forming valve seats, 1,891,521; Dec. 20.
Brackett, Fred M. (See Kushera, W. H., and Brackett.)
Brackett, Fred M., and L. C. Williams, assignors to The Bracket Stripping Machine Co., Topeka, Kans. Trimming machine, 1,858,033; May 10.
Brackett, Fred M., L. C. Williams, and D. Daneke, assignors to The Brackett Stripping Machine Co., Topeka, Kans. End sheet folding apparatus, 1,858,034; May 10.
Brackett, George G., Rochester, Wash. Gravel spreader, 1,848,308; Mar. 8.
Brackett Stripping Machine Co., The. (See Brackett, F. M., and Williams, assignors.)
Bracket Stripping Machine Co., The. (See Brackett, F. M., Williams, and Daneke, assignors.)
Brackett Stripping Machine Co., The. (See Kushera, W. H., and Brackett, assignors.)
Brackett, Thomas J., Greenland, N. H. Road map holder, 1,842,743; Jan. 26.
Brackett, Tracy F., Highland Park, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake block composition, 1,851,036; Mar. 29.
Brackett, Tracy F., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake, 1,857,124; May 10.
Brackett, Tracy F., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake shoe, 1,857,125; May 10.
Brackett, Tracy F., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake, 1,880,750; Oct. 4.
Bradburn, Lunnan H., Eureka, Mont. Telescopic coach and jack, 1,861,906; June 7.
Bradbury, Carrie J., executrix. (See Bradbury, Frank C.)
Bradbury, Clifford C., Glencoe, assignor to C. B. Camp, trustee, Glencoe, Ill. Fuel feed system for carburetors, 1,858,388; May 17.
Bradbury, Clifford C., Glencoe, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Rectifier circuit, 1,878,101; Sept. 20.
Bradbury, Clifford C., Glencoe, Ill., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake mechanism, 1,885,580; Nov. 1.
Bradbury, Clifford C., Glencoe, and R. F. Bracke, Chicago, assignors to C. B. Camp, trustee, Glencoe, Ill. Carburetor, 1,858,387; May 17.
Bradbury, Frank C., deceased, by Carrie Landon Bradbury, executrix, Riverside, Ill., assignor to Oliver C. Chicago, Ill. Water jacketed smoke hood, 1,866,290; July 5.
Bradbury, Frederick G., Los Angeles, Calif. Transporting perishable produce, 1,853,719; Apr. 12.
Bradbury, Henry M., Brooklyn, N. Y. Automobile ventilator, 1,847,861; Mar. 1.
Bradbury, James G., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting, 1,885,581; Nov. 1.
Bradbury, John H. (See Russell, F. C., and Bradbury.)
Bradbury, Tennyson F. (See Hall, H. C., and Bradbury.)
Bradbury, Walter S., and A. L. Lowe, Ilion, N. Y., assignors to Remington Arms Company, Inc. Firearm, 1,869,537; Aug. 2.
Bradbury, William T. (See Berry, H. O., and Bradbury.)
Bradbury, William T. (See Kahn, B. B., and Bradbury.)
Bradbury, William T. (See White, F. B., Berry, and Bradbury.)
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Boston, Mass. Gas stove. Des. 86,436; Mar. 8.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Boston, Mass. Gas stove. Des. 86,437; Mar. 8.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Boston, Mass. Gas stove. Des. 86,438; Mar. 8.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Heating stove. Des. 87,957; Oct. 18.
Braddock, William J., and C. W. Haller, Wheeling, W. Va., assignors to Wheeling Bronze Casting Company. Pickling crate, 1,858,430; May 17.
Braddock, William J., and C. W. Haller, Wheeling, W. Va., assignors to Wheeling Bronze Casting Company. Pickling apparatus. 1,858,431; May 17.
Braddock, William J., G. Bruhn, and C. W. Haller, Wheeling, W. Va., assignors to Wheeling Bronze Casting Company. Pickling apparatus. 1,880,751; Oct. 4.
Braden, Albert A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making dies, 1,883,335; Oct. 18.
Braden, Coe E., Winthrop, Iowa. Elevator for soy-bean harvesters. 1,847,234; Mar. 1.
Braden Copper Company. (See Engblom, Emil, assignor.)
Braden, Elmer A., Springfield, Ill. Self contained oil seal. 1,849,359; Mar. 15.
Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Local-distant radio receiver. 1,874,234; Aug. 30.
Braden Steel & Winch Company. (See Schuetz, Thomas J., assignor.)
Bradford, Edward S., jr., Longmeadow, assignor to Springfield Wire & Tinsel Co., Springfield, Mass. Scouring utensil. 1,853,541; Apr. 12.
Bradford, Edward S., jr., Longmeadow, assignor to Springfield Wire & Tinsel Co., Springfield, Mass. Scouring utensil. 1,853,542; Apr. 12.
Bradford, Edward S., jr., Longmeadow, assignor to Springfield Wire & Tinsel Company, Springfield, Mass. Material for scouring utensils. 1,853,543; Apr. 12.
Bradford, Edward S., jr., Longmeadow, assignor of one-half to Springfield Wire & Tinsel Co., Springfield, Mass., and one-half to Metal Textile Corporation, Orange, N. J. Scouring utensil. 1,864,579; June 28.
Bradford, Gustavus A., Bemidji, Minn. Lens for line casting machines. 1,860,628; Dec. 13.
Bradford, John B., assignor of one-half to C. J. Heyler, Los Angeles, Calif. Lawn mower sharpener. 1,863,038; June 14.
Bradford Machine Tool Company, The. (See Watson, Sydney C., assignor.)
Bradford, Nathan T. (See McHardie, E. H., and Bradford.)
Bradford, Thomas J., assignor of two-fifths to E. Sharp, Cottage Grove, Oreg. Saw gauge. 1,864,634; June 28.
Bradford, William G., Corrance, assignor to J. E. Oliver, Fullerton, Calif. Oil saver. 1,871,836; Aug. 16.
Bradford, Winslow P., Buffalo, N. Y. Valve. 1,865,824; July 5.
Bradford, Zerbe C., assignor to Delco Products Corporation, Dayton, Ohio. Motor control. 1,871,875; Aug. 16.
Bradford, Zerbe C., assignor to Delco Products Corporation, Dayton, Ohio. Centrifugal switch. 1,873,180; Aug. 23.
Bradford, Zerbe C., assignor to Delco Products Corporation, Dayton, Ohio. Clutch. 1,883,872; Oct. 25.
Bradka Holding Corporation. (See Brady, Jessica M., assignor.)
Bradley, Charles B., Cleveland, Ohio. House anchor. 1,864,403; June 21.
Bradley, Chester, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber soled shoes and making same. 1,853,034; Apr. 12.
Bradley, Chester H., and C. E. Nelson, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Waterproofed leather and composition for treating same. 1,860,651; May 31.
Bradley, Charles S., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Cabinet for radio receiving apparatus. Des. 85,974; Jan. 12.
Bradley, Daniel A., assignor to Boabandes Limited, London, England. Fastener for bands and the like. 1,855,007; Apr. 19.
Bradley, Edgar B., Gastonia, N. C. Detachable top for rumble seats of motor vehicles. 1,878,461; Sept. 20.
Bradley, Eric H., assignor to National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 1,840,079; Jan. 5.
Bradley, Eric H., assignor to National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 1,850,739; Mar. 22.
Bradley, Eric H., assignor to The National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 1,858,035; May 10.
Bradley, Eric H., assignor to National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 1,874,431; Aug. 30.
Bradley, Ernest M., Weedsport, N. Y. Metal planking for railway crossings. 1,843,062; Jan. 26.
Bradley, Evelyn G., et al. (See Martens, John B., assignor.)

Bradley-Fitch Company. (See Bradley, Wilson, assignor.)
Bradley-Fitch Company. (See Kobe, Kenneth A., assignor.)
Bradley, Franklin F., Chicago, Ill. Molding device. 1,862,525; June 14.
Bradley, Harry, assignor to The British Boot, Shoe and Allied Trades Research Association, London, England. Apparatus for the measurement of feet, lasts, and the like. 1,858,914; May 17.
Bradley, Harry L., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Resistor unit. 1,864,336; June 21.
Bradley, Harry L., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Rheostat. 1,869,538; Aug. 2.
Bradley, James E., Chicago, Ill. Aeroplane safety device. 1,844,740; Feb. 9.
Bradley, Jessie C., Oakland, Calif. Syringe nozzle holder. 1,850,442; Mar. 22.
Bradley, John C., assignor to The American Brass Company, Waterbury, Conn. Continuous electric strip annealing furnace. 1,856,631; Nov. 8.
Bradley, John H., Philadelphia, Pa. Crib. 1,884,552; Oct. 25.
Bradley, Leslie C., assignor to W. & T. Avery Limited, Birmingham, England. Dashpot controlled mechanism. 1,853,956; Apr. 12.
Bradley, Linn, Montclair, N. J. and E. P. McKeefe, New York, N. Y. Manufacture of wood pulp, etc. 1,842,712; Jan. 26.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of wood pulp, etc. 1,843,704; Feb. 2.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignor to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp. 1,846,672; Feb. 23.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, assignors to Bradley-McKeefe Corporation, New York, N. Y. Manufacture of wood pulp, etc. 1,848,602; Mar. 8.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Manufacture of pulp, etc. 1,860,570; May 31.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp, etc. 1,860,803; May 31.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Manufacture of pulp, etc. 1,860,848; May 31.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp, etc. 1,870,944; Aug. 9.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, N. Y. Production of chemical pulp. 1,877,219; Sept. 13.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp. 1,887,899; Nov. 15.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburgh, assignors to Bradley-McKeefe Corporation, New York, N. Y. Treatment of a sodium carbonate-sodium sulphid residual liquor. 1,892,100; Dec. 27.
Bradley Lumber Company of Arkansas. (See Rockwell, Byron, assignor.)
Bradley, Lynde, assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Resistor unit and forming same. 1,845,828; Feb. 16.
Bradley, Maurice B. (See Andersen, N. P. E., and Bradley.)
Bradley-McKeefe Corporation. (See Bradley, L., and McKeefe, assignors.)
Bradley, Milton, Company. (See Barnard, Florence, assignor.)
Bradley, Milton, Company. (See Ingersoll, Robert N., assignor.)
Bradley Pulverizer Company. (See Bibson, William A., assignor.)
Bradley, Richard C., Chicago, Ill. Piston type liquid meter. 1,841,567; Jan. 19.
Bradley, Richard C., Chicago, Ill. Piston type liquid meter. 1,841,606; Jan. 19.
Bradley, Samuel S., New York, N. Y., assignor to Manufacturers Aircraft Association, Inc. Medallion or similar article. Des. 87,425; July 26.
Bradley, Theodore F., Westfield, N. J. Compositions containing nitrocellulose. 1,863,264; June 14.
Bradley, Theodore F., Westfield, N. J. Composition intended for coating, decorating, and printing wood, metal, paper, cloth and other surfaces. 1,884,553; Oct. 25.
Bradley, Theodore F., Westfield, assignor to Ellis-Foster Company, Montclair, N. J. Finger nail detergent. 1,878,102; Sept. 20.
Bradley, Theodore F., Westfield, assignor to Ellis-Foster Company, Montclair, N. J. Finger nail glossifier. 1,878,103; Sept. 20.
Bradley, Theodore F., Westfield, N. J., assignor to American Cyanamid Company New York, N. Y. Polyhydric alcohol-polybasic acid resin. 1,890,668; Dec. 13.
Bradley, William, London, R. J. Lovcluck, and R. F. Thomson, Grangemouth, England, assignors to Imperial Chemical Industries Limited, Production of anthraquinone derivatives. 1,863,265; June 14.
Bradley, William F. (See Schindler, T. J., and Bradley.)
Bradley, Wilson, Deerwood, assignor to Bradley-Fitch Company, Minneapolis, Minn. Boiling fine grained material for sintering. 1,865,554; July 5.
Bradnack, John H., New Haven, Conn., assignor, by mesne assignments, to The Winchester Manufacturing Co., Bloomfield, N. J. Ash receiving device. 1,851,417; Mar. 29.
Brading, Donald B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anti-fouling coating composition. 1,843,010; Jan. 26.
Bradner, H. T. (See Lees, Ernest J., assignor.)
Bradshaw, Alfred, Drumheller, Alberta, Canada. Landing gear for dirigible airships. 1,845,229; Feb. 16.
Bradshaw, Charles, and N. Taylor, Los Angeles, Calif. Island structure. 1,856,312; May 3.
Bradshaw, David J., Elwood, Victoria, Australia. Machine for the retail marketing of block cheese and the like. 1,864,404; June 21.
Bradshaw, Grant D. (See Andrews, Roger W., and Bradshaw.)
Bradshaw, Grant D., Beaver, Pa. Feed water regulator. 1,870,706; Aug. 9.
Bradshaw, Grant D., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,847,305; Mar. 1.
Bradshaw, Grant D., Beaver, and R. W. Andrews, Wilkinsburg, assignors, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,847,304; Mar. 1.
Bradshaw, Herbert W., Huntington Park, assignor of one-half to R. D. Pearson, Los Angeles, Calif. Deep well pump. 1,854,175; Apr. 19.
Bradshaw, Robert. (See Wilkinson, M. L., and Bradshaw.)
Bradshaw, William M., Wilkinsburg, and A. R. Rutter, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Testing system. 1,853,657; Apr. 12.
Bradt, Merritt B. (See Schneider, E. J., and Bradt.)
Brady, Charles Y. (See Brady, P. B., and Brady.)
Brady, Charles V., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Fastening. 1,853,013; Apr. 5.
Brady Conveyors Corporation, The. (See Baker, Hubert E., assignor.)
Brady, Edmund W., assignor to The Brady Electric & Manufacturing Company, New Britain, Conn. Detachable insulator. 1,867,942; July 12.
Brady, Edmund W., assignor to The Brady Electric & Manufacturing Company, New Britain, Conn. Detachable insulator for lamp bulbs. 1,881,168; Oct. 4.
Brady Electric & Manufacturing Company, The. (See Brady, Edmund W., assignor.)
Brady, George H., assignor to Improved Fire Detector Corporation, Baltimore, Md. Thermostatic circuit closer. 1,875,699; Sept. 6.
Brady, George H., assignor to Improved Fire Detector Corporation, Baltimore, Md. Metal alloy for electric contact terminals. 1,882,114; Oct. 11.
Brady, Herbert F., Winona, Minn. Wrench. 1,877,642; Sept. 13.
Brady, Hugh S., and J. J. Williams, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Closure for containers. 1,859,495; May 24.
Brady, James W., Jr., assignor of one-third to Millard Reese, Brunswick, Ga. Method and apparatus for producing and maintaining rotary motion of constant speed. 1,867,284; Nov. 8.
Brady, Jessica M., Mamaroneck, assignor to Bradka Holding Corporation, Rye, N. Y. Traveling bag. 1,849,565; Mar. 15.
Brady, Thomas, Caldwell, N. J. Guide rail lubricator. 1,883,515; Oct. 18.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Interlocking mechanism. 1,845,904; Feb. 16.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator guide. 1,854,970; Apr. 19.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Lubricating mechanism. 1,863,183; June 14.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Gate operating mechanism. 1,864,796; June 28.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 1,866,392; July 5.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Indicator. 1,886,079; Nov. 1.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 1,892,420; Dec. 27.
Brady, Virgil L., et al. (See Stassart, Joseph D., assignor.)
Braemer, William G. R., Haddonfield, N. J., assignor, by mesne assignments, to Airite Corporation, Dover, Del. Portable humidifier. 1,864,797; June 28.

Braeutigam, Henry P., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,862,816; June 14.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,840,882; Jan. 12.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,841,708; Jan. 19.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,844,631; Feb. 9.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,844,632; Feb. 9.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath, Corporation, Long Island City, N. Y. Power actuator. 1,846,022; Feb. 23.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,846,023; Feb. 23.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,847,999; Mar. 1.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,848,000; Mar. 1.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Controlling valve mechanism for vacuum brake systems. 1,848,413; Mar. 8.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,848,414; Mar. 8.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,849,458; Mar. 15.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignor to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism. 1,852,287; Apr. 5.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignor to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,854,367; Apr. 19.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. **1,862,294; June 7.**

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Vacuum brake system for automotive vehicles. 1,865,505; July 5.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,865,725; July 5.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,871,299; Aug. 9.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,872,397; Aug. 16.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,872,657; Aug. 23.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,872,658; Aug. 23.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,872,659; Aug. 23.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,872,660; Aug. 23.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,879,598; Sept. 27.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator for brake mechanism for automotive vehicles. 1,882,543; Oct. 11.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,882,544; Oct. 11.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,887,750; Nov. 15.

Bragg, Herbert E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York. 1,841,994; Jan. 12.

Bragg, Herbert E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,864,524; June 28.

Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)

Bragg-Kliesrath Corporation. (See Price, Harold W., assignor.)

Bragg, Philip R., Neptune, N. J. Oil gauge wiper and record holder. 1,879,078; Aug. 23.

Bragg, R. E., Washington, D. C. Souvenir emblem or similar article. Des. 86,949; May 17.

Bragg, Thomas A., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,885,409; Nov. 1.

Braham, John E. (See Hughes, G. E., Waring, and Braham.)

Brahy, Charles, assignor to C. E. Marlon, New York, N. Y. Coin slot closer. 1,850,443; Mar. 22.

Brahy, Charles, Staten Is., assignor to C. E. Marlon, New York, N. Y. Stop mechanism. 1,857,996; May 10.

Braidwood, Chester A., Perth Amboy, N. J. Fish lure. 1,849,965; Mar. 15.

Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Unitary water closet bowl and tank. Des. 86,995; May 24.

Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Shelf back lavatory. Des. 88,748; Dec. 27.

Brainard, Elmer, Enid, Okla. Harrow hitch. 1,843,381; Feb. 2.

Braine, Daniel L., Brooklyn, and D. J. Irish, Richmond, assignors to Foster Wheeler Corporation, New York, N. Y. Method and apparatus for burning powdered fuel. 1,860,987; May 31.

Brainich, Ernst, Wendsbek, near Hamburg, Germany. Tank car for conveying volatile liquids. 1,843,382; Feb. 2.

Braithwaite, G. Forest. (See Battin, Cora B., assignor.)

Braithwaite, Isaac, & Son Engineers Limited. (See Tanner, Harold, assignor.)

Brake Synchrometer Co. (See Langbein, Harold W., assignor.)

Brake, William H., Rocky Mount, N. C. Pecan. Pl. Pt. 47; Nov. 29.

Brallier, Paul S. (See Muggleton, G. D., Brallier, Van Calder, and Webber.)

Braly, Homer B., Nardin, Okla. Well casing cleaning device. 1,875,413; Sept. 6.

Braly, Norman B., Redwood City, Calif. Hose coupling. 1,861,296; May 31.

Braly, Thomas E., Chattanooga, Tenn. Stabilizer for dental motor controls. 1,853,402; Apr. 12.

Bramberry, Harry M., Newcastle, assignor to The Perfect Circle Company, Hagerstown, Ind. Piston for internal combustion engines and the like. 1,852,602; Apr. 5.

Bramhall, Fay B. (See Milnor, J. W., Demonet, and Bramhall.)

Bramhall, William A. jr., Washington, D. C. Display device. 1,872,661; Aug. 23.

Bramley-Moore, Swinfen, White Plains, N. Y. Flavoring machine. 1,843,647; Feb. 2.

Bramming, Carl. (See De Foe, E. G., and Bramming.)

Bramsen, Svend, W. Hersleb, and F. Wahlin, assignors to Binks Manufacturing Company, Chicago, Ill. Car washer gun. 1,872,058; Aug. 16.

Bramsen, Svend, and F. Wahlin, assignors to Binks Manufacturing Company, Chicago, Ill. Paint spraying appliance. 1,878,435; Sept. 20.

Bramson, Mogens A., assignor of one-half to Aero Syndicate Limited, London, England. Engine or pump. 1,858,182; May 10.

Bramwell, Balfour, Belfast, Ireland. Filter. 1,861,295; May 31.

Bramwell, Ivor L. (See Appleyard, K. C., Holmes, and Bramwell.)

Bramwell, Ivor L., assignor of one-half to The Birtley Iron Company, Limited, Birtley, England. Separation of dry materials. 1,888,372; Nov. 22.

Brancart, Yvon, Ronquieres, Belgium. Process and apparatus for rolling thick plates of glass. 1,851,803; Mar. 29.

Brancart, Yvon, Ronquieres, Belgium. Process and means for rolling glass. 1,851,804; Mar. 29.

Brancart, Yvon, Ronquieres, Belgium. Adjusting the thickness of glass plates and sheets. 1,854,641; Apr. 19.

Branch, Le Roy P., assignor of one-half to A. G. McCaleb, Evanston, Ill. Knife holder and sharpener. 1,861,683; June 7.

Branch, Robert F., Chicago, Ill., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Desk stand. Des. 86,825; Apr. 26.

Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner. 1,841,465; Jan. 19.

Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Heat radiator. 1,868,446; July 19.

Branche, Nelson T., and V. O. Beam, assignors to Surface Combustion Corporation, Toledo, Ohio. Controlling mechanism for gas burning apparatus. 1,847,376; Mar. 1.

Branche, Nelson T., and V. O. Beam, assignors to Surface Combustion Corporation, Toledo, Ohio. Safety pilot mechanism for gas burning apparatus. 1,866,541; July 12.

Branchu, Paul J., Grenoble, France. Electric arc discruptor. 1,851,098; Mar. 29.

Brand, Achill W., Morro Bay, Calif. Exercise and massage cushion. 1,869,460; Aug. 2.

Brand, Andrew J., New Hyde Park, N. Y. Game apparatus. 1,887,900; Nov. 15.

Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,854,975; Apr. 19.

Brand, Frederick F., and J. X. Mathieu, Pittsfield, Mass., assignor to General Electric Company. Electric switch. 1,863,392; June 14.

Brand, Harry R., New York, N. Y. Food preparing and delivery machine. 1,848,104; Mar. 8.

Brand, Harry R., New York, N. Y. Commodity controlling machine. 1,850,093; Mar. 22.

Brand, Harry R., New York, N. Y. Food preparing machine. 1,869,539; Aug. 2.

Brand, Harry R., New York, N. Y. Food handling mechanism for cooking machines. 1,869,540; Aug. 2.

Brand, Harry R., New York, N. Y. Food preparing machine. 1,869,541; Aug. 2.

Brand, Harry R., New York, N. Y. Dispensing mechanism. 1,870,839; Aug. 9.

Brand, Harry R., New York, N. Y. Dispensing apparatus. 1,872,110; Aug. 16.

Brand, Harry R., New York, N. Y. Dispensing mechanism. 1,886,201; Oct. 4.

Brand, Harry R., New York, N. Y. Automatic sales system. 1,883,516; Oct. 18.

Brand, Harry R., New York, N. Y. Automatic sales system. 1,883,517; Oct. 18.

Brand, James C. (See Chase, L. W., Zybach, and Brand.)

Brand, James C., and L. W. Chase, assignors to Chase Plow Company, Lincoln, Nebr. Two-row lister. 1,855,439; Apr. 26.

Brand, Joseph, Yonkers, N. Y., assignor of one-third to A. H. Pemberton, Roseville, and one-third to G. C. Earle, Zanesville, Ohio. Vesiculated brick and similar article and making the same. 1,851,600; Mar. 29.

Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,839,371; Jan. 5.

Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,164; Aug. 30.

Brand, Smart, Brooklyn, and P. Mertz, Bellerose Manor, N. Y., assignor to American Telephone and Telegraph Company. Multiplex phase discrimination transmission system. 1,854,247; Apr. 19.

Brand, Smart, Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulation. 1,885,798; Nov. 1.

Brand, Baptiste, Marseille, France. Machine for cracking and sorting nuts. 1,869,658; Aug. 2.

Brandenburg, Francis C., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Method and apparatus for bending wood. 1,873,276; Aug. 23.

Brandenburg, Hermann, assignor to J. Gruenberg and F. A. Scheu Gesellschaft mit beschrankter Haftung, Berlin, Germany. Hydraulic printing and stamping press. 1,845,232; Feb. 16.

Brandenburg, Hermann, assignor to J. Gruenberg and F. A. Scheu Gesellschaft mit beschrankter Haftung, Berlin, Germany. Hydraulic printing and impressing or stamping press. 1,868,380; July 19.

Brandenburg, Joseph F., et al. (See Matthews, Percy W., assignor.)

Brandenstein, Errol W., Erie, Pa., assignor to General Electric Company. Power system. 1,852,798; Apr. 5.

Brandes, David. (See Whitfield, J., and Brander.)

Brander, William, New York, N. Y. Indicating the derangement of electrical illuminating apparatus. 1,868,689; July 26.

Brander, William, New York, N. Y. Signaling system and apparatus. 1,869,091; July 26.

Brandfon, Samuel, and J. P. Katz, New York, N. Y. Fountainette. Des. 87,826; Sept. 27.

Brandhorst, Alma E., Cincinnati, Ohio. Parking light. Des. 87,101; June 7.

Brandl, Hans, and C. Marischka, Vienna, Austria, assignors to B. M. Gasmesser Aktiengesellschaft, Luxemburg, Luxemburg. Wet gas meter. 1,889,190; Nov. 29.

Brandl, Lillian, executrix. (See Brandle, Robert B.)

Brandle, Robert B., deceased, St. Paul, Minn., L. Brandl, executrix. Door structure for grain bins or the like. 1,841,560; Jan. 19.

Brandle, T. C. (See McDonald, Harry H., assignor.)

Brandon, Julian R., San Francisco, Calif. Safety lock. 1,844,459; Feb. 9.

Brandstetter, Josef, assignor to J. L. Younghusband, Chicago, Ill. Loose powder container. 1,843,912; Feb. 9.

Brandt, Albrecht, Ensley, Ala. Cigar support and ash tray. 1,842,644; Jan. 26.

Brandt, Albrecht, Ensley, Ala. Ash tray and cigar rest. 1,850,752; Oct. 4.

Brandt Automatic Cashier Company. (See Brandt, Edward J., assignor.)

Brandt Automatic Cashier Company. (See Schwartz, Carl, assignor.)

Brandt, Carl, Jamaica Plain, Mass. Window shade. 1,840,017; Jan. 5.

Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Return bend. 1,853,012; Apr. 5.

Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Constant pressure and temperature distillation. 1,872,879; Aug. 23.

Brandt, Edgar W., Paris, France. Fuse for rotating projectiles. 1,861,521; June 7.

Brandt, Edgar W., Paris, France. Projectile with automatic driving band. 1,861,522; June 7.

Brandt, Edgar W., Paris, France. Projectile. 1,871,985; Sept. 6.

Brandt, Edgar W., Paris, France. Bladed projectile. 1,879,840; Sept. 27.

Brandt, Edgar W., Paris, France. Bladed projectile. 1,886,758; Oct. 18.

Brandt, Edgar W., Paris, France. Projectile having guide tails. 1,890,175; Dec. 6.

Brandt, Edgar W., Paris, France. Mechanical delay fuse for rotative projectiles. 1,890,176; Dec. 6.

Brandt, Edward J., assignor to Brandt Automatic Cashier Co., Watertown, Wis. Coin delivery apparatus locking means. 1,839,944; Jan. 5.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Money sorting machine. 1,850,148; Mar. 22.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Money handling machine. 1,850,198; Mar. 22.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Change making machine. 1,850,257; Mar. 22.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Money handling machine. 1,850,258; Mar. 22.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Money handling machine. 1,850,313; Mar. 22.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin delivery machine. 1,868,272; July 19.

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin delivery chute. 1,885,582; Nov. 1.

Brandt, Eugene, Geneva, Switzerland. Locking device. 1,868,345; July 19.

Brandt, Fokko, Kansas City, Mo. Rod or pipe clamp. 1,868,922; Nov. 29.

Brandt, Henry E., North St. Paul, assignor to Northwestern Metalware Company, Minneapolis, Minn. Liquid fuel burner stove. 1,841,563; Jan. 19.

Brandt, Henry P., San Francisco, Calif. Engine tester. 1,856,023; Apr. 26.

Brandt, Jacob. (See Fait, William A., assignor.)

Brandt, John W., Elyria, Ohio. Saddle clamp. 1,849,360; Mar. 15.

Brandt, John W., Elyria, Ohio. Cycle saddle. 1,886,867; Nov. 8.

Brandt, John W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle. 1,851,973; Apr. 5.

Brandt, Leopold, Dortmund-Horde, assignor to Vereinigte Stahlwerke Aktiengeselischaft, Dusseldorf, Germany. Producing ironcarbonyl. 1,868,044; July 19.

Brandt, Leopold, Dortmund-Horde, Germany, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Welding agent. 1,876,846; Sept. 13.

Brandt, Lewis, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Plaster and stucco ground. 1,871,491; Aug. 16.

Brandt, Richard, Bergedorf, near Hamburg, Germany. Obtaining potassium and/or sodium ferro-cyanide in the purification of coal gas. 1,855,000; Apr. 19.

Brandtjen and Kluge, Inc. (See Kluge, Abel and E., assignors.)

Brandwood, John, Birkdale, Southport, England. Production of artificial threads. 1,846,627; Feb. 23.

Branica, Fortunato, Brooklyn, N. Y. Coin controlled vending apparatus. 1,885,797; Nov. 1.

Branigan, Paul, assignor to Seneca Falls Machine Company. Seneca Falls, N. Y. Work-driving device. 1,849,539; Mar. 15.

Brannan, Homer H., Parks, Tex., assignor to The Texas Company, New York, N. Y. Well pumping apparatus. 1,865,054; June 28.

Branning, Ernest H., Akron, Ohio. Reel. 1,883,518; Oct. 18.

Brannon, John W., Alsea, Oreg. Metal tempering process. 1,843,200; Feb. 2.

Brannon, Roy E., and N. W. Kenison, Bexley, Ohio. Hair curling device. 1,870,496; Aug. 9.

Branson, David E. (See Weaver, A., and Branson.)

Branson, Samuel J., Evanston, assignor, by mesne assignments, to The Branson System, Inc., Chicago, Ill. Reenforced concrete structure. 1,840,304; Jan. 12.

Branson System, Inc., The. (See Branson, Samuel J., assignor.)

Brant, David O., Owensmouth, Calif. Crank mechanism for reciprocating engines. 1,888,448; Nov. 22.

Brantferger, Ernest F., Denver, Colo. Novelty lunch stand. 1,871,405; May 31.

Branthwaite, Isaac, Passaic, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric conductor. 1,874,255; Aug. 30.

Branthwaite, Isaac, Passaic, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable. 1,896,789; Nov. 8.

Braren, Cornelius. (See Kimball, W. D., and Braren.)

Braren, Lorenz K., Munich, Germany. Gear transmission. 1,867,492; July 12.

Braren, Lorenz K., Munich, assignor to F. Deckel, Fabrik für Präsisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. 1,867,490; July 12.

Braren, Lorenz K., assignor to the Firm: Friedrich Deckel, Prazisionsmechanik, und Maschinenbau, Munich, Bavaria, Germany. Injection of liquid fuel in internal combustion engines. 1,867,491; July 12.

Brasch, Wilhelm, Frankfort-on-the-Main, Germany. Machine tool driven by an electric motor. 1,842,009; Jan. 15.

Braselton, Chester H. (See Whitacre, Clarence J., assignor.)

Braselton, Chester H., New York, and F. B. MacLaren, Malba, N. Y. inertia pump. 1,870,707; Aug. 9.

Braselton, Chester H., New York, N. Y., and F. B. MacLaren, New Haven, Conn., said MacLaren, assignor to said Braselton. Fuel feed system. Re18,518; July 12.

Braselton, Chester H., Corporation. (See Knight, Charles Y., assignor.)

Brasington, John M., Cherawy, assignor of one-half to C. S. McCall, Bennettsville, S. C. Dusting apparatus. 1,872,020; Aug. 30.

Brassert, H. A., & Company. (See Andrews, Charles W., assignor.)

Brassert, H. A., & Company. (See Andrews, C. W., and Hulse, assignors.)

Brassert, H. A., & Company. (See Boynton, Arthur J., assignor.)

Brassert, H. A., & Company. (See Brassert, Herman A., assignor.)

Brassert, H. A., & Company. (See Brassert, H. A., and Dougan, assignors.)

Brassert, H. A., & Company. (See Brassert, H. A., Kinney, and Wetherbee, assignors.)

Brassert, H. A., & Company. (See Grilli, John P., assignor.)

Brassert, H. A., & Company. (See Ives, Edward L., assignor.)

Brassert, H. A., & Company. (See Seaver, Jay J., assignor.)

Brassert, H. A., & Co. (See von Maltitz, Edmund, assignor.)

Brassert, H. A., & Company. (See Zimmermann, Paul, assignor.)

Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for treatment of iron ore. 1,849,658; Mar. 15.

Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Melting furnace. 1,880,012; Sept. 27.

Brassert, Herman A., Kenilworth, assignor to H. A. Brassert & Company, Chicago, Ill. Checker construction. 1,879,055; Sept. 27.

Brassert, Herman A., and C. Dougan, assignors to H. A. Brassert & Company, Chicago, Ill. Apparatus for washing gas. 1,840,054; Jan. 12.

Brassert, Herman A., S. P. Kinney, and H. L. Wetherbee, assignors to H. A. Brassert & Company, Chicago, Ill. Furnace. 1,847,710; Mar. 1.

Brassert, Walter, Kalamazoo, Mich., and G. V. Gladville, Nashville, Tenn., assignors to Concrete Silo Company, Bloomfield, Ind. Tile silo. 1,844,497; Feb. 9.

Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Sheet feeding apparatus. 1,843,118; Feb. 2.

Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Ink pad for duplicating machines. 1,848,241; Mar. 8.

Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Sheet manipulator. 1,861,259; May 31.

Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Stencilling material. 1,861,260; May 31.

Brass Goods Mf'g. Co. (See Craz, Albert G., assignor.)

Bratring, Kurt, Berckem, Antwerp, Belgium, assignor to Julius E. Kiefer, Milwaukee, Wis. Transparent paper, making the same, and composition for rendering the same transparent. 1,872,662; Aug. 23.

Bratrud, Ole M., Kensett, Iowa. Corn planter. 1,845,394; Feb. 16.

Bratson Corporation. (See Kelley, Maude T., assignor.)

Bratten, Philip M., Fort Worth, Tex., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,843,913; Feb. 9.

Bratton, Clair R., and C. S. Miner, Burlingame, Kans. Incubator. 1,881,118; Oct. 4.

Bratrud, Henry, Hanlontown, Iowa. Honey box assembling device. 1,876,395; Sept. 6.

Bratz, Otto. (See Burd, G. C., and Bratz.)

Brauchler, Charles A., Canton, Ohio. Forging propeller blade. 1,883,519; Oct. 18.

Brauckmeyer, Rudolf, assignor to Deutsche Wollen-Waren-Manufaktur Aktiengesellschaft, Grunberg, Germany. Preparation of wool containing fabrics for dyeing purposes. 1,851,893; Mar. 29.

Braudes, Clarence A., Brooklyn, N. Y. Looping and tufting machine. 1,855,175; Apr. 26.

Braudes, Clarence A., Brooklyn, N. Y. Tensioning device. 1,860,072; May 24.

Brauer, Arthur J., and F. P. Wagner, St. Louis, Mo. Process and apparatus for forming the heel end of a sole. 1,852,288; Apr. 5.

Brauer, Arthur J., and F. P. Wagner, St. Louis, Mo. Process and apparatus for forming the heel end of a sole. 1,886,187; Nov. 1.

Brauer, Carl Fr., G. m. b. H., The Firm of. (See Bürkhoidt, Herbert, assignor.)

Bräuer, Ernst, Volgtsdorf in Riesengebirge, Germany. Station calling device. 1,888,904; Nov. 22.

Brauks, Leslie D., St. Louis, Mo. Internal expanding brake. 1,860,011; May 24.

Braunmuler, George C., Newark, N. J. Bone-holder. 1,859,954; May 24.

Braun, Carl A., Otto, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Automatic saw cut-off. 1,844,837; Feb. 9.

Braun, Frank C. (See Watts, George, assignor.)

Braun, Fredrick A., Jenkintown, assignor to Frank Sharp, Glenside, Pa. Beetle trap. 1,882,380; Oct. 11.

Braun, Georg, Prague, Czechoslovakia, assignor to the Firm Carl Zeiss, Jena, Germany. Instruments for the examination of the reaction of the eye pupils when different parts of the retina are illuminated. 1,837,115; Nov. 8.

Braun, George, St. Louis, Mo. Sand separator and blender. 1,850,375; Mar. 22.

Braun, Herman F. (See Smith, W. J., and Braun.)

Braun, Herman F., Lakewood, S. L. Laughlin, Cleveland, and W. J. Smith, Lakewood, assignors to The Cleveland Steel Products Corporation, Cleveland, Ohio. Firebox construction for furnaces. 1,881,600; Oct. 4.

Braun, Philip N., assignor to Prosperity Company Inc., Syracuse, N. Y. Pressing machine. 1,841,055; Jan. 12.

Braun, Philip N., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Cuff holder for garment presses. 1,863,530; June 14.

Braun, Philip N., assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine. 1,864,525; June 28.

Braun, Philip N., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,874,876; Aug. 30.

Braun, Philip N., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine with work support. 1,875,579; Sept. 6.

Braun, Philip N., assignor to The Prosperity Company Inc., Syracuse, N. Y. Dampening means for pressing machines. 1,876,602; Sept. 13.

Braun, Philip N., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Air curtain for pressing machines. 1,889,140; Nov. 29.

Braun, Rudolf M., Vienna, Austria. Call-answering device for telephone stations. 1,864,119; June 21.

Braun, Victor F., Milwaukee, Wis. Method and apparatus for forming rings. 1,839,530; Jan. 5.

Braun, Victor F., Milwaukee, Wis. Apparatus for rough forging rings. 1,839,531; Jan. 5.

Braun, W. J., et al. (See Bartosz, Joseph A., assignor.)

Braun, Winona, R., et al. (See Bartosz, Joseph A., assignor.)

Braunagel, Robert, Victoria, British Columbia, Canada. Electric heating device. 1,875,844; Sept. 6.

Braund, John J., Washington, D. C. Embossing machine. 1,860,729; May 31.

Braund, John J., Washington, D. C. Producing relief maps. 1,866,448; July 5.

Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Coincidental lock. 1,863,742; June 21.

Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Plug retainer. 1,874,877; Aug. 30.

Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,885,983; Nov. 1.

Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Master-keyed lock. 1,888,946; Nov. 22.

Braünlich, Friedrich, Aussig A/E, Czechoslovakia, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Preparation of new mouth washes and dentifrices. 1,869,406; Aug. 2.

Braunlich, William E., Pittsburgh, Pa. Chain or ornament holding unit. 1,873,736; Aug. 23.

Braunsdorf, Otto. (See Eckert, W., and Braunsdorf.)

Braunsdorf, Otto. (See Holzapfel, E., Braunsdorf, and Lange.)

Braus, Karl, Oppau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Removal of acetylene hydrocarbons from gases. 1,842,010; Jan. 19.

Brawn, Roy E., assignor to Brown Company, Berlin, N. H. Making fiber webs and wet-machine therefor. 1,864,580; June 28.

Bray, Freeman M., Columbus, Kans. Automobile direction signal. 1,879,057; Sept. 27.

Bray, George, assignor to Geo. Bray & Company Limited, Leeds, England. Electrical heating element. 1,879,728; Sept. 27.

Bray, George, assignor to Geo. Bray & Company Limited, Leeds, England. Electrical heating element. 1,892,298; Dec. 27.

Bray, Geo., & Company Limited. (See Bray, George, assignor.)

Bray, Roy H., Cuyahoga Falls, Ohio. Nozzle or end for push type grease guns. 1,870,890; Aug. 9.

Bray, Joseph G., assignor to The McKay Company, Pittsburgh, Pa. Automobile bumper. Des. 87,871; Oct. 4.

Bray, Patrick H., Long Beach, Calif. Pump. 1,840,432; Jan. 12.

Brayman, Noah D., and A. Folino, assignors to International Aerdrome and Seadrome Corporation, Rochester, N. Y. Seadrome or airplane landing. 1,847,551; Mar. 1.

Brayton Morton, trustee. (See Crane, Newton, assignor.)

Brazeau, Guy S., and H. P. Madsen, assignors to Appleton Machine Company, Appleton, Wis. Paper-stock-refining engine. 1,863,184; June 14.

Brazee, Ralph A., Lexington, Mass. Windshield wiper. 1,865,782; June 28.

Brazelton, William. (See Mahaney, R., and Brazelton.)

Braziel, Levi M. (See Walker, C. O., and Braziel.)

Brazier, Arthur G., and Ernest Preston, London, England. Core for electric induction coils. 1,863,325; June 14.

Breaden, Carroll E., assignor to Dayton Scale Company, Dayton, Ohio. Scale platform. 1,858,198; Apr. 12.

Brear, Owen W., East Newark, assignor to E. S. Hammond, Inc., Newark, N. J. Automatic stop valve for oil burners. 1,856,408; May 3.

Brearley, Walter E. (See Sutton, William V., assignor.)

Brecher, Adolph, Elmhurst, N. Y. Strainer. 1,840,883; Jan. 12.

Brecht, Andrew J., assignor to A. P. W. Paper Co., Albany, N. Y. Dispensing apparatus. 1,863,083; June 14.

Breckel, Harry F., Cincinnati, Ohio. Thermionic relay and circuits therefor. 1,883,520; Oct. 18.

Breckenridge, Albert, Chicago, Ill., assignor to Superior Felt and Bedding Co., Garnett or batting machine. 1,857,039; May 3.

Brecker, Henry W. (See Adams, Ervin, assignor.)

Breckman, Beatrice L., executrix. (See Breckman, Samuel and J.)

Breckman, Julius. (See Breckman, Samuel and J.)

Breckman, Samuel, Bonderwyk, London, and J. Breckman, London, England; B. L. Breckman executrix of the estate of said Samuel Breckman. Collapsible bed and the like. 1,882,468; Oct. 11.

Bredel, Frederick, deceased, assignor of thirty one-hundredths to T. D. Miller, St. Louis, Mo.; L. W. Grant, administrator. Heating muffles, retorts and the like. 1,885,583; Nov. 1.

Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to the Sheridan Iron Works, and one-half to T. W. & C. B. Sheridan Company. Manufacture of books. 1,867,803; July 19.

Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works, and one-half to T. W. & C. B. Sheridan Company. Book headbanding mechanism. 1,874,165; Aug. 30.

Bredouw, Homer L., Kansas City, Mo. Ground speed and course indicator. 1,842,067; Jan. 19.

Brehwold, Paul A., assignor of one-half to W. P. Hoy, Chicago, Ill. Cabinet filing drawer. 1,887,882; Nov. 15.

Breed, Carroll M., Ypsilanti, Mich. Wick oil burner. 1,846,084; Feb. 23.

Breeden, Alfred J., Grinnell, Iowa. Buncher attachment for combined harvesters and thrashers. 1,844,344; Feb. 9.

Bredouw, Homer L., Kansas City, Mo. Ground speed and course indicator. 1,842,067; Jan. 19.

Breeze, Daniel A., Hunkers, Pa. Valve. 1,842,894; Jan. 26.

Breen, Henry, Oakland, assignor of one-half to A. St. J. Williamson, Berkeley, Calif. Weeding pick. 1,865,671; July 5.

Breen, John B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,521; Oct. 18.

Breen, William F. (See Fuller, George L., and Breen.)

Breer, Carl, Detroit, Mich. Bending tool. 1,879,868; Sept. 27.

Breer, Carl, Detroit, Mich. Bending tool. 1,879,869; Sept. 27.

Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Dampener. 1,840,080; Jan. 5.

Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Chain. 1,840,081; Jan. 5.

Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Muffler. 1,840,082; Jan. 5.

Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vibration dampener. 1,840,655; Jan. 12.

Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vibration dampener. 1,840,656; Jan. 12.

Breer, Carl, assignor to Chrysler Corporation, Detroit, Mich. Piston ring testing machine. 1,883,522; Oct. 18.

Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Fuel control for a hydrocarbon burner. 1,845,999; Feb. 16.

Breese, James L., jr., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Chicago, Ill. Heater. 1,885,891; Nov. 1.

Breese, James L., jr., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Chicago, Ill. Heater. 1,886,156; Nov. 1.

Breeser, Edwin C., Philadelphia, Pa. Toy building construction. 1,878,373; Sept. 20.

Bregman, George J., Cleveland, Ohio. Rotary cutting device. 1,855,663; Apr. 26.

Breguet, Louis, assignor to Societe Anonyme des Ateliers D'Aviation Louis Breguet, Paris, France. Landing gear. 1,852,230; Apr. 5.

Brehany, Charles J., Middletown, Ohio. One knob control for radio receiving sets. 1,871,876; Aug. 16.

Breidenthal, Charles H., Barrington, assignor to General Fire Extinguisher Company, Providence, R. I. Refrigerating system and apparatus therefor. 1,862,657; June 14.

Breisky, John V., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective system. 1,872,560; Aug. 16.

Breisky, John V., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,878,669; Sept. 20.

Breisky, John V., Pittsburgh, and E. O. Erickson, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control of grid glow tubes. 1,839,864; Jan. 5.

Breisky, John V., Pittsburgh, and T. Draper, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Fuel burner control system. 1,872,880; Aug. 23.

Breit, Charles A., Houston, Tex. Vehicle door control. 1,840,020; Jan. 5.

Breitbart, Hans, E. Kurz, and W. Walther, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition apparatus. 1,883,873; Oct. 25.

Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die head. 1,872,059; Aug. 16.

Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Adjustable die head. 1,872,060; Aug. 16.

Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die-head. 1,886,067; Nov. 15.

Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Movable-chaser tap. 1,886,816; Nov. 22.

Breitenstein, Arthur L., deceased, Akron, Ohio; M. E. Breitenstein, administratrix. Mold engraving machine. 1,842,145; Jan. 19.

Breitenstein, Maude E., administratrix. (See Breitenstein, Arthur L.)

Breiting, Ernst, et al. (See Bornkessel, B., Breiting, Lehmann, and Varren.)

Breitling, Ernst. (See Lehmann, K. A., and Breitling.)

Breitling, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Driving gear for cash registers and calculating machines. 1,846,785; Feb. 23.

Breitwieser, Edward, assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Gas stove burner-bar and slide-plate support. 1,851,150; Mar. 29.

Breitwieser, Edward, assignor to Buffalo Co-operative Stove Co., Buffalo, N. Y. Feed hopper for incinerator flues. 1,880,370; Oct. 4.

Breitwieser, Heinrich, Griesheim, near Darmstadt, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Lifting device. 1,861,078; May 31.

Brekke, Marshall T. (See Marshburn, P. W., and Brekke.)

Brekke, Marshall T., Scarsdale, assignor to Northam Warren Corporation, New York, N. Y. Bottle. Des. 87,426; July 26.

Brekke, Marshall T., Scarsdale, assignor to Northam Warren Corporation, New York, N. Y. Finger rest. Des. 87,660; Aug. 30.

Breisford, Harry E., Detroit, Mich., and N. L. Snow, New Canaan, Conn., assignors to Diamond Power Specialty Corporation, Detroit, Mich. Apparatus for separating dust from gases. 1,839,289; June 14.

Bremer, William S., Chicago, Ill. Cooking utensil thermometer. 1,863,918; June 21.

Bremer, William S., Chicago, Ill. Heat reflecting and conducting bowl for heaters. 1,879,970; Sept. 27.

Bre Miller, Clifford E., assignor to Cook Laboratories, Inc., Chicago, Ill. Grading machine. 1,840,560; Jan. 12.

Bre Miller, Clifford E., assignor to Cook Laboratories, Inc., Chicago, Ill. Receptacle. 1,840,561; Jan. 12.

Bre Miller, Clifford E., assignor to Cook Laboratories, Chicago, Ill. Machine for heat treating glass tubes and the like. 1,883,523; Oct. 18.

Bre Miller, Clifford E., assignor to Cook Laboratories, Inc., Chicago, Ill. Stopper inserting machine. 1,883,524; Oct. 18.
Brenaman, Harry A. (See Schmidt, V. F., and Brenaman.)
Brenchley, Asbury C. (See Forrest, J., and Brenchley, assignors.)
Brendlin, Herman J. (See Hayward, J., and Brendlin.)
Brenek, Hans. (See Rothe, F., and Brenek.)
Brenneman, Marvin F., Detroit, Mich. Air jack. 1,868,935; July 26.
Brenneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Door and latch construction. 1,856,689; May 3.
Brenhelts, Roy, Columbus, Ohio. Combination bench and table. 1,891,665; Dec. 20.
Brenizer, Orson W., Philadelphia, Pa. Wire splicing device. 1,891,664; Dec. 20.
Brenizer, Orson W., assignor of three-eighths to Andrew V. Groupe, Philadelphia, Pa. Cable support. 1,869,407; Aug. 2.
Brenkert, Joseph W. (See Brenkert, K., and Brenkert.)
Brenkert, Karl, and J. W. Brenkert, Detroit, Mich. Combination projector. 1,857,135; May 10.
Brenn, Carl W., Montclair, N. J. Manifolding book. Re18,509; June 28.
Brenn, Carl W., Montclair, N. J. Manifolding book. 1,848,459; Mar. 8.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Printing press punching attachment. 1,856,982; May 17.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 1,868,487; Nov. 29.
Brennan, Arthur T., Detroit, Mich. Window structure. 1,860,888; May 31.
Brennan, Thomas E., Waterbury, Conn. Cut-off mechanism for heading machines. 1,857,997; May 10.
Brennan, Daniel A., Chicago, Ill. Fastener. 1,850,376; Mar. 22.
Brennan, Edward J., Hasbrouck Heights, N. J. Container cap. Des. 87,709; Sept. 6.
Brennan, Harry. (See Crosthwait, D. N., jr., and Brennan.)
Brennan, John J., Lansing, Mich. Hobbyhorse. 1,863,393; June 14.
Brennan, Mark F., assignor to International Textbook Company, Scranton, Pa. Stock feeding magazine for printing presses. 1,842,310; Jan. 19.
Brennan, Roy Lynn. (See Thomas J., assignor.)
Brennan, Rose M. (See Ferris, W. C., and Brennan.)
Brennan, Thomas, 2d, and C. R. Davis, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis. Agricultural implement. 1,840,018; Jan. 5.
Brennan, William J., Los Angeles, Calif. Disconnect switch. 1,849,124; Mar. 8.
Brennecke, Robert A., Chicago, Ill. Forming molded articles. 1,871,492; Aug. 16.
Brenneis, Louis, assignor to Brenneis Manufacturing Company, Oxnard, Calif. Bearing construction. 1,885,410; Nov. 1.
Brenneis Manufacturing Company. (See Brenneis, Louis, assignor.)
Brenneis Manufacturing Company. (See Furrer, Samuel S., assignor.)
Brenner, Alphonse, Company. (See Brenner, Charles M., assignor.)
Brenner, Bert. (See Waltenberg, R. G., Holbrook, and Brenner.)
Brenner, Charles M., Shreveport, La. Refrigerator. 1,862,464; June 7.
Brenner, Charles M., assignor to Alphonse Brenner Company, Inc., Shreveport, La. Coupling. 1,858,136; May 10.
Brenner, Guillermo E., Dusseldorf-Oberkassel, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Rubbish cart. 1,863,964; June 21.
Brenner, Ida, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,192; Feb. 16.
Brenner, Ida, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,193; Feb. 16.
Brenner, Ruth, New York, N. Y. Stage decorating. 1,848,692; Mar. 8.
Brenni, Clarence, et al. (See Rossi, Joseph P., assignor.)
Brent, George R., Orange, Tex., assignor of thirty-seven and one-half one-hundredths to E. W. Brown, jr., eleven one-hundredths to W. E. Lea, ten one-hundredths to C. R. Steele, and four one-hundredths to C. C. Leedy, Chicago, Ill. Hydraulic brake. 1,880,194; Oct. 4.
Brenzinger, Julius, Fairfield, Conn., assignor to Axel V. Beeken, Bloomfield, N. J. Producing artificial silk or the like. 1,878,374; Sept. 20.
Bresee, Clarence, assignor to Walter M. Murphy Motors Company, Pasadena, Calif. Door for automobile. 1,855,621; Apr. 26.
Breslov, Jack. (See Stoddard, Hart A., assignor.)
Breslin, Walter, New York, N. Y. Garter pad form and hook. 1,891,910; Dec. 27.
Bressler, Max, Chicago, Ill. Electric lighter. Des. 86,350; Mar. 1.
Bressler, Robert E., Oregon, Ill. Automatic stoker. 1,840,019; Jan. 5.
Bretaud, Joseph Y., assignor to Swedish Crucible Steel Company, Detroit, Mich. Rear axle assembly for motor trucks. 1,856,461; May 3.
Breth, Walter, assignor to The General Tire & Rubber Company, Akron, Ohio. Valve holder for tube vulcanizers. 1,871,551; Aug. 16.
Brethen, Charles A., assignor to All Metal Products Company, Wyandotte, Mich. Hinge construction. 1,873,534; Aug. 23.
Breton, Rene J., Fresno, Calif. Shipping package for perishable objects. 1,886,374; Nov. 8.
Brett, George J., Lancaster, Pa. Anesthetizer. 1,846,834; Feb. 23.
Brett, Roy C., Cleveland Heights, Ohio, assignor to The Eagle-Picher Lead Company, Chicago, Ill. Furnace construction. 1,886,937; Nov. 8.
Brett, Roy C., Cleveland Heights, Ohio, and J. E. Doyle, Webb City, Mo., assignors to The Eagle-Picher Lead Company, Chicago, Ill. Reclaiming lead. 1,886,938; Nov. 8.
Brett, William H., Shaker Heights, assignor to The Enamel Products Company, Cleveland, Ohio. Metal sign. 1,849,361; Mar. 15.
Brettmon, Jacques, Paris, France. Luminescent discharge device. 1,870,831; Aug. 9.
Brettschneider, William F., St. Paul, Minn. Traffic signal. 1,875,556; Sept. 6.
Bretz, John S. (See Gabel, William J., assignor.)
Breuer, Adam A., Chicago, Ill. Sprayer. 1,868,518; July 26.
Breuer, Adam A., Chicago, Ill. Portable suction cleaner. 1,868,519; July 26.
Breuer, Adam A., Chicago, Ill. Portable heat blower. 1,869,737; Aug. 9.
Breuer Electric Mfg. Co. (See John, Tage G., assignor.)
Breuer, Fred, Chicago, Ill. Ambulatory toy. 1,847,052; Feb. 23.
Breuer, John P., assignor to Barber-Colman Company, Rockford, Ill. Cutter. 1,847,054; Feb. 23.
Breuseli, Adolph, New York, N. Y. Flash light and medical heater. 1,891,746; Dec. 20.
Breuss, Edward B., Willows, Calif. Trailer hitch. 1,866,796; July 12.
Brevetti, S. A., Italiani Esteri S. A. B. I. E. (See Ricchiardi, Pier C., assignor.)
Brewer, Albert Thurston, Hawk, S. Dak. Support for seats. 1,892,380; Dec. 27.
Brewer, Alice L., East Hartford, Conn. Pad holder. 1,849,840; Dec. 13.
Brewer, Charles A., Noroton Heights, Conn., and P. J. Kury, Arverne, N. Y.; said Brewer assignor to said Kury. Butter chip cutter. 1,850,704; Mar. 22.
Brewer, Chas. A., & Sons. (See Brewer, Kenneth E., assignor.)
Brewer, Clarence W., Decatur, Ill. Casement window lock. 1,849,812; Oct. 4.
Brewer, Elliott, St. Davids, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Forming container closures. 1,850,495; Mar. 22.
Brewer, Elliott, St. Davids, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Container closure. 1,850,494; Mar. 22.
Brewer, Harry W., St. Louis, Mo. Mailing parcel. 1,867,612; July 19.
Brewer, Harry W., St. Louis, Mo. Process and apparatus for color-striping pencils and the like. 1,875,700; Sept. 6.
Brewer, Joseph, Bronx, N. Y. Screen. 1,857,425; May 10.
Brewer, Kenneth E., assignor to Chas. A. Brewer & Sons, Chicago, Ill. Game board. 1,850,072; Mar. 22.
Brewer, Reuben G., Spokane, Wash. Window display fixture. Des. 86,104; Feb. 2.
Brewer, Robert E., Valley Falls, Kans. Sickle blade reinforcer. 1,864,405; June 21.
Brewer, Robert W. A., Jenkintown, Pa. Manifolding system for internal combustion engines. 1,840,220; Jan. 5.
Brewer, Robert W. A., Jenkintown, Pa. Internal combustion engine. 1,861,380; May 31.
Brewer-Titchener Corporation, The. (See Bishop, William K., assignor.)
Brewer-Titchener Corporation, The. (See Johannsen, Udo K., assignor.)
Brewer-Titchener Corporation, The. (See Stannard, Bruce M., assignor.)
Brewer-Titchener Corporation, The. (See Winans, Daniel M., assignor.)
Brewster, Charles H., Middletown, Conn. Windshield warmer. 1,860,073; May 24.
Brewster, Ellis W., Plymouth, assignor to Plymouth Cordage Company, North Plymouth, Mass. Center for wire ropes. 1,839,463; Jan. 5.
Brewster, Harry C., Shreveport, La. Coupling for drill pipe. 1,873,514; Aug. 23.
Brewster, Jack A., Redlands, Calif. Harness for picking sacks and the like. 1,865,353; June 28.
Brewster, Nehemiah H. (See Teague, M. C., and Brewster.)
Brewster, Oswald C. (See Cooke, T. S., and Brewster.)
Brewster, Oswald C., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oils. 1,871,148; Aug. 9.
Brewster, Percy D., East Orange, N. J. Color photography. 1,860,525; May 31.
Brewster, William H., jr., Verona, N. J. Toy pistol. 1,887,916; Nov. 15.
Brey, Harold E., assignor to Koebring Company, Milwaukee, Wis. Combined power operated dipper trip and tag line. 1,850,167; Mar. 22.

Brey, Harold E., assignor to Koehring Company, Milwaukee, Wis. Traction drive mechanism for worm drive shovels. 1,853,374; Oct. 25.

Brey & Kraus Manufacturing Company. (See Pudliner, John, assignor.)

Breyfogel, Albert W., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Synchronizer circuit for synchronous telegraph systems. 1,855,380; Apr. 26.

Brezin, Joseph, assignor to Philadelphia Ice Cream Cone Machinery Company, Philadelphia, Pa. Dispensing device. 1,868,656; July 26.

Briant Specialty Company. (See Sando, B., and George, assignors.)

Brice, Arthur T., jr., Washington, D. C. Colorimeter. 1,859,278; May 24.

Brice, [illegible]. (See Mathews, M. L., and Brice.)

Brice, John T., assignor of one-fourth to L. E. Kanne, one-fourth to M. E. Lake, Fellows, and one-fourth to J. E. Lilly, Bakersfield, Calif. Control device for internal combustion engines. 1,855,594; Apr. 26.

Brice, Mary. (See Nicolino, Costanzo, assignor.)

Bricken, John, West Orange, assignor to E. F. Britten, jr., Maplewood, N. J. Submersible pump set. 1,872,111; Aug. 16.

Bricken, John, now by judicial change of name to John G. Beaver,) East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,872,188; Aug. 16.

Bricker, Paul E., Michigan City, Ind. Headlight attachment. 1,874,432; Aug. 30.

Brickman, Allen E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spring stand for dobby looms. 1,847,748; Mar. 1.

Brickman, Allen E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lifter rod for shuttle drop boxes. 1,852,072; Apr. 5.

Brickner, Arthur J., assignor to Brickner-Kropf Machine Company, Muskegon Heights, Mich. Cylinder lap. 1,852,834; Apr. 5.

Brickner-Kropf Machine Company. (See Brickner, Arthur J., assignor.)

Bricout, François, Calais, France. Lace. Des. 86,592; Mar. 29.

Bricout, François, Calais, France. Lace. Des. 86,593; Mar. 29.

Bridge, Ellis H., Cuyahoga Falls, Ohio, assignor to The Electrical Storage Battery Company, Philadelphia, Pa. Clip for electrical connections. 1,842,817; Jan. 26.

Bridge, Ellis H., Akron, Ohio, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery handle. 1,864,168; June 21.

Bridgeman, Frank J., assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Mechanical system for gas and smoke protection. 1,863,965; June 21.

Bridgeman, Frank J., assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Foot control contact. 1,869,045; July 26.

Bridgeman, Frank J., assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Gun. 1,890,669; Dec. 13.

Bridgeman, Frank J., assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Mechanical gas gun protective system. 1,890,670; Dec. 13.

Bridgeman, Frank J., assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Foot control for mechanically operated gas and smoke discharge systems for daylight holdup robberies. 1,890,671; Dec. 13.

Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)

Bridgeport Brass Company. (See Brown, Gregory, assignor.)

Bridgeport Brass Company. (See Downs, William P., assignor.)

Bridgeport Brass Company. (See Ickrath, Alfred M., assignor.)

Bridgeport Brass Company. (See Monroe, Kenneth C., assignor.)

Bridgeport Brass Company. (See Turner, Charles E., assignor.)

Bridgeport-City Trust Company, The. (See Carlson, Philip, assignor.)

Bridgeport-City Trust Co., executor. (See Lyhne, Anker S.)

Bridgeport Hardware Manufacturing Corporation, The. (See Curtis, H. B., and Keating, assignors.)

Bridgeport Metal Goods Manufacturing Company, The. (See Lyhne, Anker S., assignor.)

Bridger, Theo E., Auckland, New Zealand. Method of and apparatus for creating metallic spray. 1,887,577; Nov. 15.

Bridgers, Burke H., Wilmington, N. C. Game apparatus. 1,870,168; Aug. 2.

Bridges, Edward G., Anderson, Ind., assignor to Lynch Glass Machine Company. Method of and apparatus for gathering molten glass in molds. 1,867,440; July 12.

Bridges, Elisha. (See Kaumans, J. N., and Bridges.)

Bridges, Ernest P., Oklahoma City, Okla. Fin or casing element for metallic window frames. 1,840,221; Jan. 5.

Bridges, Lewis B., Brooklyn, assignor to Dardelet Threadlock Corporation, New York, N. Y. Cutting dardelet threads. 1,846,508; Feb. 23.

Bridges, Lewis B., Brooklyn, assignor to Dardelet Threadlock Corporation, New York, N. Y. Thread cutter. 1,846,509; Feb. 23.

Bridges, Lewis B., Brooklyn, assignor to Dardelet Threadlock Corporation, New York, N. Y. Tight holding coupling. 1,849,066; Mar. 15.

Bridges, Lewis B., Madison, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,067; Mar. 15.

Bridges, Lewis B., Madison, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,068; Mar. 15.

Bridges, Lewis B., Madison, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,069; Mar. 15.

Bridges, Neal, Melrose, and T. T. Moore, Cassoday, Kans. Ballast liner. 1,864,183; June 21.

Bridges, Ralph W., Freeport, assignor to Aluminum Company of America, Pittsburgh, Pa. Heat-treating aluminum and articles thereby. 1,845,962; Jan. 12.

Bridges, William C., Benton, Ark. Stacking apparatus. 1,858,183; May 10.

Bridgewater, Horace M., Stratford, Conn., assignor to The Artistic Bronze Company, Bridgeport, Conn. Combination bottle opener and dispensing apparatus. Des. 87,619; Aug. 23.

Bridgham, Arthur L., Boston, assignor to C. H. Sherburne, Boston, Mass. Whistle and the like. 1,890,212; Dec. 6.

Bridgman, Michael J., Jerome, Idaho. Making food compounds. 1,856,206; May 3.

Bridgman, Neil E., Sunnyside, Wash. Feeder. 1,878,814; Sept. 20.

Bridi, Basilio, Zurich, Switzerland. Heel for boots. 1,888,617; Nov. 22.

Bridier, Fernand, Paris, France. Textile fabric or similar article. Des. 88,625; Dec. 13.

Bridier, Fernand, Paris, France. Textile fabric or similar article. Des. 88,729; Dec. 20.

Bridier, Fernand, Paris, France. Textile fabric or similar article. Des. 88,730; Dec. 20.

Bridier, Fernand, Paris, France, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,623; Dec. 13.

Bridier, Fernand, Paris, France, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,624; Dec. 13.

Bridier, Fernand, Paris, France, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,626; Dec. 13.

Bridier, Fernand, Paris, France, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,749; Dec. 27.

Briechle, Ambrosius. (See Lutz, F. W., and Briechle.)

Briechle, Ambrosius, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. View finder. 1,848,693; Mar. 8.

Briechle, Ambrosius, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Film positioning device for aerial cameras. 1,870,091; Aug. 2.

Briechle, Ambrosius, Brooklyn, N. Y., F. W. Lutz, Floral Park, and G. Rattray, Mineola, assignors to Fairchild Aerial Camera Corporation, New York, N. Y. Multilens aerial camera. 1,890,074; Dec. 6.

Bried, Julien A., Oakland, Calif. Tile floor. 1,865,825; July 5.

Briel, Conrad G., assignor to Cinema Development Company, Chicago, Ill. Producing composite pictures. 1,863,826; June 21.

Briel, Conrad G., assignor to Cinema Development Company, Chicago, Ill. Producing composite pictures. 1,863,827; June 21.

Brien, Joseph R., assignor of one-fourth to H. Ste Marie and E. Ste Marie, Montreal, Quebec, Canada. Oil burning system. 1,843,757; Feb. 2.

Brienza, Joseph, Cincinnati, Ohio. Shoulder measuring instrument. 1,863,236; June 14.

Brier, John C., and G. B. Watkins, Ann Arbor, Mich., and W. F. Brown, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,872,683; Aug. 23.

Brière, Wilfrid, Montreal, Quebec, Canada. Holder and ejector for cigarettes and cigars. 1,880,754; Oct. 4.

Brierley, Joseph L., and R. H. Lankton, Los Angeles, Calif. Inverted dancing apparatus. 1,859,615; May 24.

Brierly, Ralph C. (See Kirtland, F. D., Broshek, Brierly, and Evans.)

Briest, Bruno A., Toledo, Ohio. Metal working machine. 1,840,657; Jan. 12.

Briggs, Alfred A., assignor of one-half to J. A. Briggs, New York, N. Y. Flush tank fixture. 1,863,589; June 21.

Briggs, Arthur J., Syracuse, N. Y., assignor to American Fabrics Company. Label cutting and folding machine. 1,854,977; Apr. 19.

Briggs, Arthur J., Syracuse, N. Y., assignor to National Carbon Company. Making depolarizers. 1,884,554; Oct. 25.

Briggs, Arthur J., Syracuse, assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 1,886,520; Nov. 8.

Briggs, George L., Brooklyn, N. Y. Vanity case. 1,874,433; Aug. 30.

Briggs, John J., Indianapolis, Ind. Treatment of diseases of the genito-urinary tract. 1,885,106; Nov. 1.

Briggs, Josiah A. (See Briggs, Alfred A., assignor.)

Briggs Manufacturing Company. (See Ball, Albert P., assignor.

Briggs Manufacturing Company. (See Ross, Frederick N., assignor.)

Briggs, Robert E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Sand blast conveyer. 1,851,380; Mar. 29.

Briggs, Robert W., and J. N. Summers, Pharr, Tex. Scraper for subgrading machines. 1,853,035; Apr. 12.

Briggs, Southwick W., Glenmont, Md. Pressure filter. 1,860,229; May 24.

Briggs, Stephen F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,853,036; Apr. 12.

Briggs, Stephen F., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Lock. 1,853,403; Apr. 12.

Briggs, Stephen F., and F. J. Stuckert, Milwaukee, Wis. Crank handle. 1,877,798; Sept. 20.

Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)

Briggs & Stratton Corporation. (See Brown, Jerome, assignor.)

Briggs & Stratton Corporation. (See Fitzgerald, John W., assignor.)

Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)

Briggs & Stratton Corporation. (See Mack, Perry E., assignor.)

Briggs & Stratton Corporation. (See Nicholson, Stanley W., assignor.)

Brigham, Dorothea C., et al. (See Brigham, Lawrence M., assignor.)

Brigham, Edmund D., jr., Highland Park, assignor to North American Car Corporation, Chicago, Ill. Refrigerator car. 1,854,779; Apr. 19.

Brigham, Frederick L., Upper Montclair, N. J. Elastic thread and fabric made therefrom. 1,868,690; July 26.

Brigham, Lawrence M., Upper Montclair, N. J. Fabric. 1,877,799; Sept. 20.

Brigham, Lawrence M., Los Angeles, assignor of one-half to H. Shaffer, and one-half to D. C. Brigham, Los Angeles, Calif. Rotary drill bit. 1,882,545; Oct. 11.

Bright, Claude H., jr., Memphis, Tenn. Ink pad. 1,841,783; Jan. 19.

Bright, Graham. (See Grierson, P. S., and Bright.)

Bright, Grant W., Chicago. (See Chiros 7, assignor.)

Bright, Jesse L., assignor to Crown Stove Works, Cicero, Ill. Automatic lighter for gas stoves. 1,841,399; Jan. 19.

Bright, John W., Grand Junction, Colo., assignor to The Colorado Beet Harvester Company. Beet harvester and topping machine. 1,852,048; June 7.

Bright, John W., Grand Junction, Colo., assignor to P. D. Q. Auto Jack Mfg. Co. Automobile lift. 1,867,055; July 12.

Bright, Lacy L., New York, N. Y. Golf club cover. 1,880,464; Nov. 8.

Bright, Samuel. (See Oman, J. P., and Bright.)

Brightman, Rainald, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Dyeing regenerated cellulose rayon. 1,868,036; July 26.

Brightman, Rainald, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Azo dyestuffs and preparing same. 1,869,930; Aug. 2.

Brightman, Rainald, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Dyeing viscose rayon and the dyed material thus obtained. 1,876,000; Sept. 13.

Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Azo dyes adapted for dyeing regenerated cellulose materials. 1,873,277; Aug. 23.

Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Dyeing of regenerated cellulose materials. 1,873,278; Aug. 23.

Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Manufacture of new azo dyes. 1,876,848; Sept. 13.

Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Azo dyes and their production. 1,877,800; Sept. 20.

Bright Star Battery Company. (See Corigliano, Peter, assignor.)

Bright Star Battery Company. (See Koretzky, H., Horowitz, and Desimone, assignors.)

Brignolo, Cyrill, East Boston, Mass. Mop holder. 1,855,218; Apr. 26.

Brill, August C., Oberursel, near Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me. Cheeking machine. 1,842,584; Jan. 26.

Brill, Harry C., Newark, N. J. Frame for display cartons. 1,889,346; Nov. 29.

Brill, J. G., Company, The. (See Latshaw, Elmer, assignor.)

Brill, J. G., Company, The. (See Rosebrook, Guy L., assignor.)

Brillo Manufacturing Company. (See Field, Crosby, assignor.)

Brillo Manufacturing Company. (See Field, C., and Campbell, assignors.)

Brim, Hiller A., Chicago, Ill. Rotary scrubbing machine. 1,870,232; Aug. 9.

Brimer, Charles, Margaretville, N. Y. Plant compressing and binding device. 1,877,548; Sept. 13.

Brinck, Harry O., Los Angeles, assignor, by mesne assignments, to R. Rosenburg, Los Angeles County, Calif. Golf tee. 1,860,307; May 24.

Brindley, James W., Johannesburg, Transvaal Province, Union of South Africa. Valve, cock, and the like. 1,872,632; Aug. 16.

Brindley, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio-control system. 1,870,832; Aug. 9.

Brindley, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound amplifying system. 1,872,239; Aug. 16.

Briner, Emil A., East Orange, N. J. Aircraft and method of flight. 1,890,931; Dec. 13.

Briner, Emil A., East Orange, N. J. Variable-pitch propeller. 1,890,932; Dec. 13.

Briney, Mark R., Brodhaven, N. Y. Car-actuated circuit controller for crossing signals. 1,845,395; Feb. 16.

Briney, Otis R., Pontiac, Mich. Machining device. 1,842,579; Jan. 26.

Briney, Otis R., Pontiac, Mich. Machining method. 1,845,122; Feb. 16.

Briney, Otis R., Pontiac, Mich. Chuckless and centerless machining device. 1,858,235; May 17.

Briney, Otis R., Pontiac, Mich. Machining apparatus. 1,890,146; Dec. 6.

Bringer, Perry G. (See Dennis, C. R., and Briney.)

Bringardner, Martin P., St. Louis, Mo. Shoes. 1,847,168; Mar. 1.

Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Rim. 1,880,403; Oct. 4.

Brinker, Alva. (See Gay, J., and Brinker.)

Brinker, Casper J. (See Brinker, Richard J. and C. J.)

Brinker, Frederic A., Denver, Colo. Producing crude and fumed zinc oxide. 1,877,122; Sept. 13.

Brinker, Richard J., Pittsburgh, Pa., and C. J. Brinker, Cumberland, Md. Snow guard. 1,863,561; June 21.

Brinkley, George H., Baltimore, Md. Necktie of the four-in-hand type. 1,881,381; Mar. 29.

Brinkman, Earl W., and E. S. Kline, assignors to Davenport Machine Tool Co., Rochester, N. Y. Automatic tool machine. 1,882,264; Oct. 11.

Brinkman, Louis H., Glen Ridge, N. J. Dies for corrugated tubes. 1,860,989; May 31.

Brinkmann, Theodor, Haspe, Germany. Casting runner. 1,890,027; Dec. 6.

Brinley, Clarence C., assignor to Gifford-Wood Company, Hudson, N. Y. Traversing hoist. 1,848,932; Mar. 8

Brinser, Oscar D., Richmond, Va. Adjustable scythe blade fastening. 1,877,549; Sept. 13.

Brintnall, Frank W., Detroit, Mich., assignor, by mesne assignments, to National Automotive Fibres, Inc., Wilmington, Del. Upholstery making machine. 1,841,006; Jan. 12.

Brinton, Cecil C., Kidderminster, England. Loom for weaving axminster carpets and similar tufted fabrics. 1,851,805; Mar. 29.

Brinton, H., Company. (See Aaronson, Harry B., assignor.)

Brinton, H., Company. (See Collar, George D., assignor.)

Brinton, Willard C., assignor to Chemical Engineering Company, Inc., New York, N. Y. Jack. 1,848,157; Mar. 8.

Brinton, William P., assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for printing. 1,874,166; Aug. 30.

Brinton, William P., Ridley Park, assignor to Armstrong Cork Company, Lancaster, Pa. Printing. 1,874,167; Aug. 30.

Briody, Bernard, assignor to Truscon Steel Company, Youngstown, Ohio. Headway joint. 1,880,013; Sept. 27.

Brion, Harry O., Rochester, N. Y. Electric switch for direction signals. 1,848,001; Mar. 1.

Briquet Engineering Company. (See Herrly, Peter F., assignor.)

Briquet Engineering Company. (See Willard, Robert E., assignor.)

Brisbois, Odilon, Gary, Ind., assignor, by direct and mesne assignments, of one-fourth to C. T. Brown, Chicago, Ill., and one-half to J. Weidenhoff. Joining type characters and type bars. 1,885,584; Nov. 1.

Brisbois, Odilon, Gary, Ind., assignor of one-fourth to C. T. Brown, Chicago, Ill., and one-half to J. Weidenhoff. Type bar soldering machine. 1,886,257; Nov. 1.

Brisbinzer, Marcel A., Kearny, N. J. Building construction. 1,850,787; Mar. 22.

Briscoe, Max, Chicago, Ill. Door. 1,853,658; Apr. 12.

Briskin, Max, Chicago, Ill. Door. 1,853,659; Apr. 12.

Brislin, Leo F., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Controlling mechanism for scale removers and the like. 1,874,080; Aug. 30.

Brisson, Walter W., Norway, Mich. Motorized trailer attachment. 1,844,240; Feb. 9.

Bristol Aeroplane Company Limited, The. (See Fedden, Alfred H. R., assignor.)

Bristol Aeroplane Company Limited, The. (See Fedden, A. H. R., and Butler, assignors.)

Bristol Company. (See Anderson, Martin E., assignor.)

Bristol Company, The. (See Borden, Perry A., assignor.)

Bristol Company, The. (See Faust, Fred A., assignor.)

Bristol Company, The. (See Griggs, H. L., and Mabey, assignors.)

Bristol Company, The. (See Koester, Herman, assignor.)
Bristol Company, The. (See Mabey, Arthur R., assignor.)
Bristol Company, The. (See Noble, Alphonso, assignor.)
Bristol Company, The. (See Richards, William J., assignor.)
Bristol Company et al. (See Schnuck, C. F., and Kuntney, assignors.)
Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Automobile lift. 1,846,299; Feb. 23.
Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Guide device for automobile lifts. 1,885,984; Nov. 1.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Chart holder for recording instruments. 1,840,830; Jan. 12.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Recorder. 1,880,755; Oct. 4.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control method and apparatus. 1,851,974; Apr. 5.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control apparatus. 1,854,622; Apr. 19.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,870,984; Aug. 9.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for combustion control. 1,874,878; Aug. 30.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,892,135; Dec. 27.
Bristow, Claude S., Long Beach, Calif. Combustion promoting device. 1,861,297; May 31.
Bristow, Clyde J., assignor to Zourl Drawn Metals Company, Chicago Heights, Ill. Tumbling barrel. 1,853,297; Apr. 12.
Bristow, Owen R., and S. D. Bundy, San Bernardino, Calif.; said Bundy assignor to said Bristow. Lawn and garden implement. 1,870,891; Aug. 9.
Bristow, Paul W., Wilmington, and H. E. Houseman, Edge Moor, assignors to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitted fabric. 1,886,521; Nov. 8.
British-American Tobacco Company. (See Caudle, Joseph J., assignor.)
British-American Tobacco Company Limited. (See Yeomanson, Ralph A., assignor.)
British Boot, Shoe and Allied Trades Research Association. The. (See Bradley, Harry, assignor.)
British Cast Iron Research Association, The. (See Fletcher, Joseph E., assignor.)
British Celanese Limited. (See Pool, William, assignor.)
British Cotton Industry Research Association, The. (See Fargher, R. G., Galloway, and Probert, assignors.)
British Cotton Industry Research Association, The. (See Norris, T., and Shorter, assignor.)
British Cotton Industry Research Association, The. (See Shorter, Sydney A., assignor.)
British Dyestuffs Corporation. (See Simmons, Thomas A., assignor.)
British Dyestuffs Corporation Limited. (See Baddiley, J., and Hill, assignors.)
British Dyestuffs Corporation Limited. (See Mendoza, Mordecai, assignor.)
British Dyestuffs Corporation Limited. (See Shepherdson, Harold, assignor.)
British Dyestuffs Corporation Limited. (See Shepherdson, A., and Thornley, assignors.)
British Dyestuffs Corporation Limited. (See Silvester, William A., assignor.)
British Electrical and Allied Industries Research Association. (See Wedmore, Edmund B., assignor.)
British Electrical and Allied Industries Research Association, The. (See Wedmore, E. B., and Whitney, assignors.)
British Electrical and Allied Industries Research Association. (See Whitney, W. B., and Wedmore, assignors.)
British Insulated Cables Limited. (See Aatsley, John W., assignor.)
British Insulated Cables Limited. (See Bullock, Thomas W., assignor.)
British Insulated Cables Limited. (See Soltum, Worsley, assignor.)
British Needle Company Limited, The. (See Keesey, Edward W., assignor.)
British Radiostat Corporation. (See Robinson, James, assignor.)
British Radiostat Corporation, Limited. (See Andrewes, Humphrey, assignor.)
British Radiostat Corporation, Limited. (See Priechenfried, George, assignor.)
British Radiostat Corporation, Limited. (See Williams, William E., assignor.)
British Steel Piling Company, Limited, The. (See Salmon, Reginald, G., assignor.)
Brito, Augusto D., Habana, Cuba. Preparing material for pavements. 1,854,100; Apr. 12.
Brittain, Francis H., Pinner Wood, Pinner, England. Light sensitive device. 1,868,877; July 26.
Brittain, Harold A., Akron, Ohio. Tire. Des. 86,193; Feb. 16.
Brittain, Harold A., Akron, Ohio. Tire. Des. 86,299; Feb. 23.
Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box and car frame construction. 1,845,647; Feb. 16.
Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box and truck construction. 1,855,903; Apr. 26.
Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,869,931; Aug. 2.
Brittain, Richard J., jr., Bloomfield, and O. W. Young, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Car frame support and journal box. 1,859,265; May 17.
Brittain, Richard J., jr., Bloomfield, and O. W. Young, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Journal box. 1,882,478; Oct. 11.
Britten, Charles E., Apollo, Pa. Metal building screen. 1,876,486; Sept. 6.
Britten, E. F., jr. (See Bricken, John, assignor.)
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,868,169; Mar. 15.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Registering mechanism. 1,868,170; Mar. 15.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,880,490; May 31.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,877,801; Sept. 20.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,877,802; Sept. 20.
Brittin, Edward B., Chicago, Ill. Bracket. 1,882,479; Oct. 11.
Brittingham, Vertner D., Cincinnati, Ohio. Spelling game board. Des. 87,775; Sept. 20.
Britton, Edgar C. (See Hale, W. J., and Britton.)
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Preparation of amine hydrohalides. 1,843,705; Feb. 2.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Tri-diphenyl phosphate. 1,858,659; May 17.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Making benzoic acid. 1,878,462; Sept. 20.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Making halogenated benzoic acid derivatives. 1,878,463; Sept. 20.
Britton, Edgar C., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Separation of phenylphenols. 1,843,706; Feb. 2.
Britton, Edgar C., and S. L. Bass, assignors to The Dow Chemical Company, Midland, Mich. Preparation of para-phenylphenol. 1,902,093; Mar. 21.
Britton, Edgar C., and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of orthohexylphenol. 1,902,092; June 7.
Britton, Edgar C., and W. R. Reed, assignors to The Dow Chemical Company, Midland, Mich. Hydrolysis of methyl chloroform. 1,870,601; Aug. 9.
Britton, Edgar C., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Dinitro-orthocyclohexylphenol. 1,880,404; Oct. 4.
Britton, Edgar C., and R. D. Holmes, assignors to The Dow Chemical Company, Midland, Mich. Preparation of amino-phenols and primary aryl amines conjointly. 1,882,758; Oct. 18.
Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Preparation of secondary aryl- and aralkylamines. 1,882,759; Oct. 18.
Britton, Edgar C., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Separating phenylphenols. 1,885,176; Nov. 1.
Britton, Edgar C., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Separating phenylphenols. 1,887,227; Nov. 8.
Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Preparation of mono-alkyl aromatic amines. 1,887,228; Nov. 8.
Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Preparation of phosphorus compounds. 1,888,713; Nov. 22.
Britton, Edgar C., and R. D. Holmes, assignors to The Dow Chemical Company, Midland, Mich. Separating N-monoalkyl and N-dialkyl aromatic amines of the benzene series. 1,890,246; Dec. 6.
Britton, Edgar C., and W. C. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Separating chlorodiphenyls. 1,890,427; Dec. 6.
Britton, George W., Camden, N. J. Prop. 1,876,508; Sept. 6.
Britton, Joseph W. (See Hale, W. J., and Britton.)
Britton, Roy. (See Rich, William E., assignor.)
Brixey, Austin D., Greenwich, Conn., assignor to The Replitura Corporation. Combined projected picture cabinet and screen. Des. 86,439; Mar. 8.

Brizzolara, Robert T., New Dorp, N. Y. Ice cube forming device. 1,859,285 ; May 24.
Broadfield, Mack D., Valdosta, Ga. Acidulating unit. 1,870,278 ; Aug. 9.
Broadfield, Mack D., Valdosta, Ga. Producing superphosphate. 1,871,116 ; Aug. 9.
Broadhead, Charles F., Toorak, and R. S. Andrews, Caulfield, Victoria, assignors to B. H. B. By-Products Proprietary Limited, Melbourne, Victoria, Australia. Treatment of tars. 1,868,879 ; July 26.
Broadhurst, Jean, assignor of one-half to Stanley J. Stanley, New York, N. Y. Stopper and making the same. 1,865,884 ; July 5.
Broadhurst, Thomas H., Montreal, Quebec, assignor to Charles Wallace & Company (Canada) Limited, Montreal, Canada. Paper making machine. 1,851,941 ; Mar. 29.
Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Pen for ruling machines. 1,846,015 ; Feb. 23.
Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Ruling machine. 1,846,582 ; Feb. 23.
Broadmeyer, Albert, assignor to The H. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet turning device. 1,855,521 ; Apr. 26.
Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet inspecting apparatus. 1,869,300 ; July 26.
Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Valve mechanism for suction feeders. 1,888,194 ; Nov. 15.
Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet directing means. 1,889,513 ; Nov. 29.
Broadmeyer, Albert E., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Operating mechanism for ruling pen gates. 1,839,726 ; Nov. 29.
Broadmeyer, Andrew E., assignor to The United States Playing Card Company, Norwood, Ohio. Cleaning and drying machine. 1,860,132 ; May 24.
Broadway, Howard H., Hattiesburg, Miss. Smoking apparatus. 1,868,469 ; July 19.
Broadwell, Bartley E., Lewiston, assignor to The Republic Carbon Company, Niagara Falls, N. Y. Heating molds for molding thermo-plastic materials. 1,873,535 ; Aug. 23.
Broadwell, Bartley E., Lewiston, and A. T. Hinckley, assignors to The Republic Carbon Company, Niagara Falls, N. Y. Electrode. 1,881,119 ; Oct. 4.
Broadwell, Howard, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning fork. 1,843,910 ; Feb. 9.
Broadwell, Sampson, Brooklyn, N. Y. Pattern mechanism for crochet knitting machines. 1,860,526 ; May 31.
Brobeck, Arnold, Bomhus, near Gevle, Sweden. Heating cellulose digesting liquors. 1,867,589 ; Mar. 1.
Broberg, Elmer, assignor to Elco Tool & Screw Corporation, Rockford, Ill. Shoe last. 1,887,116 ; Nov. 8.
Broce, Joseph F., Los Angeles, Calif. Compression check device. 1,874,694 ; Aug. 30.
Broche, Hans. (See Pott, A., and Broche.)
Broche, Leon J., St. Cloud, France, assignor to Tropenas Company, New York, N. Y. Apparatus for use in the manufacture of glassware. 1,858,137 ; May 10.
Brock, Clarence A., Detroit, Mich. Spring. 1,867,647 ; July 19.
Brock, Edward J., St. Louis, Mo. Water purifier. Re18,388 ; Mar. 22.
Brock, Henry E., assignor to Woodsteel Box Corporation, Detroit, Mich. 1,857,350 ; May 10.
Brock, Joseph, Bainbridge, Ga. Cultivator attachment. 1,849,937 ; Mar. 15.
Brock, Maynor D., Kansas City, Mo. Automatic continuous refrigerator. 1,860,133 ; May 24.
Brockhaus, Ernst, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Stereotype plate casting machine. 1,887,917 ; Nov. 15.
Brocker, William J., Tampa, Fla. Apparatus for conditioning air. 1,867,548 ; July 19.
Brockett, Binford W., Cleveland Heights, Ohio, assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Waste reclamation apparatus. 1,876,603 ; Sept. 13.
Brockhaus Sohne, The firm. (See Kuhenne, Fritz, assignor.)
Brockhurst, James B., Red Bank, N. J. Constructing sea walls. 1,877,493 ; Sept. 13.
Brockman, James R. (See Slisz, John, assignor.)
Brockman, Robert H., St. Petersburg, Fla. Hand vise. 1,879,058 ; Sept. 27.
Brockmeyer, Edgar W. (See Brown, S. A., and Brockmeyer.)
Brockmeyer, Richard C., assignor to Acoustical Correction Corporation, Baltimore, Md. Sound absorbent material. 1,867,549 ; July 19.
Brocksmith, John H., Mehlville, Mo. Can opener. 1,889,119 ; Nov. 29.
Brockstedt, Theophile E., San Francisco, Calif. Radio signal apparatus and method. 1,865,826 ; July 5.
Brockway, Carl P., Paterson, N. J., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Refrigerating machine. 1,844,029 ; Feb. 9.
Brockway, Carl P., Patterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. Electric starter. 1,862,921 ; June 14.
Brockway, George G., Warren, Pa., assignor, by mesne assignments, to Nichols Engineering and Research Corporation, New York, N. Y. Activating or revivifying finely divided materials. 1,852,603 ; Apr. 5.
Brockway, Stanley T., Auburn, Ind. Mechanical toy. 1,861,783 ; June 7.
Brodbeck, Almer H. (See Stockstrom, A., and Brodbeck.)
Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Grate. Des. 83,907 ; Jan. 3.
Brodbeck, Gustav, Leonberg, and A. Rehm, assignors to Robert Bosch, Aktiengesellschaft, Stuttgart, Germany. Curling tongs. 1,849,117 ; Mar. 22.
Brode, Johannes, and C. Wurster, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of hydrated chromic chloride. 1,842,535 ; Jan. 26.
Brode, Johannes, C. Wurster, and E. Buettgenbach, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of aluminium. 1,854,684 ; Apr. 19.
Brode, Johannes, Ludwigshafen-on-the-Rhine, and A. Johannsen, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of monocarboxylic acids. 1,889,945 ; Dec. 6.
Brode, Johannes, and G. Rib, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposing titanium ores. 1,891,911 ; Dec. 27.
Broderick Company, The. (See Wolf, Howard M., assignor.)
Broderick, George H., Monroe, Mich., assignor to Ottawa River Paper Company, Toledo, Ohio. Paper box making machinery. 1,891,367 ; Dec. 20.
Broderick, John C., Nyack, N. Y., assignor, by mesne assignments, to McClintic-Marshall Corporation, Bethlehem, Pa. Metal unit building system. 1,849,273 ; Mar. 15.
Broderick-Son-Raymond Co. (See Raymond, Lambert L., assignor.)
Brodersen, Max M. (See Rogers, C. R., Babel, and Brodersen.)
Brodick, Benjamin, Bronx, N. Y. Dancing slipper. 1,854,642 ; Apr. 19.
Brodie, Israel B., et al. (See Taube, Gustiv, assignor.)
Brodie, William M., administrator. (See Kelly, Loomis L.)
Brodsky, Michel, Paris, France, assignor to William Weihelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,750 ; Dec. 27.
Brodsky, Michel, Paris, France, assignor to William Weihelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,751 ; Dec. 27.
Brodsky, Michel, Paris, France, assignor to William Weihelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,752 ; Dec. 27.
Brody, Samuel, New York, N. Y. Measuring faucet. 1,846,786 ; Feb. 23.
Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Seal cap adapted for valve stems. Des. 86,154 ; Feb. 9.
Broecker, Lewis C., Bridgeport, Conn., assignor to The Firestone Steel Products Company, Akron, Ohio. Tire valve insides assembly machine. 1,878,575 ; Sept. 20.
Broecker, Lewis C., Bridgeport, Conn., assignor to The Firestone Steel Products Company, Akron, Ohio. Machine for testing internal thread in valve stems. 1,880,405 ; Oct. 4.
Broeckmeyer, Harry, New York, N. Y. Automatic phonograph record reverser. 1,855,125 ; Apr. 19.
Broeman, Frank C., Cincinnati, Ohio. Handling coal. 1,886,632 ; Nov. 8.
Broeman, Frank C., Cincinnati, Ohio. Coal and coke treated with oil. 1,886,633 ; Nov. 8.
Broeme, Frank, Palmyra, N. J. Grass cutting device. 1,885,073 ; Oct. 25.
Broertjes, Willem, Amsterdam, Netherlands. Maintaining secrecy in the transmission of wireless telegraphic messages. 1,869,659 ; Aug. 2.
Brogan, Byard F., Philadelphia, Pa. Ring. 1,863,617 ; June 21.
Brogan, Byard F., Philadelphia, Pa. Making a ring. 1,863,618 ; June 21.
Brogan, Graham W., deceased, Towson, S. Duncan Black and The Safe Deposit and Trust Company, executors, assignors to William W. Varney, Baltimore, Md. Testing brakes. 1,871,147 ; Aug. 9.
Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for operating upon shoe-part blanks. 1,857,180 ; May 10.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and device for stock fitting. 1,880,756 ; Oct. 4.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,882,061 ; Oct. 11.
Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Apparatus for treating fruit and the like. 1,848,309 ; Mar. 8.

Brogden, Ernest M., Pomona, and M. L. Trowbridge, Palms, Calif., assignors to Brogdex Company, Winter Haven, Fla. Protection of fresh fruits against blue mold and the like. 1,852,144; Apr. 5.

Brogden, Edward, Monroe Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Metallic frame construction. 1,879,655; Sept. 27.

Brogdex Company. (See Brogden, Ernest M., assignor.)

Brogdex Company. (See Brogden, E. M., and Trowbridge, assignors.)

Brogdex Company. (See Rice, Oliver W., assignor.)

Brogger, Ivar W., Springfield, N. J., assignor to Tiffany Manufacturing Company, Newark, N. J. Anmeter. 1,846,181; Feb. 23.

Brogger, Ivar W., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Electrical measuring instrument. 1,846,182; Feb. 23.

Brogger, Ivar W., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Electrical measuring instrument. 1,889,310; Nov. 29.

Brollier, Jean, assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 86,078; Jan. 26.

Brokaw, Edward A. (See Noelting, W. H., and Brokaw.)

Brokaw, Edward A., and W. H. Noelting, assignors to Faultless Caster Company, Evansville, Ind. Caster stem and socket. 1,856,559; May 3.

Broman, Charles E., Sparta, and W. H. Nowak, Grand Rapids, Mich. Golf ball marking machine. 1,863,828; June 21.

Bromig, Karl, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Obtaining betaine hydrochloride. 1,844,929; Feb. 16.

Bromley, Thomas C., Leicester, England, assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Circular knitting machine. 1,877,220; Sept. 13.

Bromley, Thomas C., and A. Shortland, assignors to Mellor Bromley Knitting Co. Limited, Leicester, England. Patterning mechanism for knitting machines. 1,889,631; Nov. 29.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. Re18,021; Jan. 12.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,844,056; Feb. 9.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,844,879; Feb. 9.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,851,131; Mar. 29.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguishing apparatus. 1,860,074; May 24.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher and support therefor. 1,861,135; July 19.

Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,885,226; Nov. 1.

Bronander, Wilhelm B., Montclair, N. J., assignor to J. G. Denny, jr., Philadelphia, Pa. Roller bearing. Re18,562; Aug. 9.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Two-speed collector belt for cigarette machines. 1,885,892; Nov. 1.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Double cigarette feed. 1,847,060; Feb. 23.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Folding mechanism for packaging machines. 1,875,986; Sept. 6.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Plunger operating mechanism for wrapping machines. 1,885,893; Nov. 1.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Punch making attachment for packaging machines. 1,888,786; Nov. 22.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette machine tobacco feed. 1,892,203; Dec. 27.

Bronander, Wilhelm B., Montclair, N. J., P. M. Nejedly, Brooklyn, and L. F. Thiel, Springfield Gardens, N. Y., assignors to American Machine & Foundry Company. Cut-off for high-speed cigarette machines. 1,846,942; Feb. 23.

Bronish, George M., assignor to F. A. Hall, Eagle River, Wis. Selflocking ignition and safety switch. 1,890,367; Dec. 6.

Bronner, Frederick H., Portland, Oreg. Flexible certificate holder. 1,842,744; Jan. 26.

Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board. 1,842,504; Jan. 26.

Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board. 1,842,505; Jan. 26.

Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board. 1,861,430; May 31.

Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Making composite articles. 1,865,250; June 28.

Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Shock absorber. 1,844,200; Feb. 9.

Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Steering wheel. 1,854,780; Apr. 19.

Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Steel and rubber product. 1,876,849; Sept. 13.

Bronson, Budd, and E. R. Marbach, assignors to The Ohio Rubber Company, Cleveland, Ohio. Making steering wheels. 1,859,352; July 26.

Bronson, Budd, and E. R. Marbach, assignors to The Ohio Rubber Company, Cleveland, Ohio. Making steering wheel inserts. 1,869,333; July 26.

Bronson, Budd, and E. R. Marbach, assignors to The Ohio Rubber Company, Cleveland, Ohio. Making steering wheels. 1,869,334; July 26.

Bronson, Richard W., South Euclid, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Swing door keyless locking device. 1,868,491; July 26.

Bronson, Walter T., assignor to Waterbury Buckle Company, Waterbury, Conn. 1,860,170; May 24.

Bronstien, Edward L., St. Paul, Minn. Spring mechanism. 1,867,693; July 19.

Bronstien, Edward L., St. Paul, Minn. Box spring mechanism. 1,867,872; July 19.

Bronston, Harry E., Plainfield, N. J. Straw hat. Des. 85,975; Jan. 12.

Bronstein, Ruwin, Newark, N. J. Extracting vegetable proteins and product obtained thereby. 1,866,698; July 12.

Brook, Reginald, Vancouver, British Columbia, Canada. Floor jack. 1,851,489; Mar. 29.

Brooke, Frank W., assignor to William Swindell & Brothers, Pittsburgh, Pa. Annular kiln. 1,868,091; July 19.

Brooke, Frank W., and W. H. Cosgrove, assignors to Swindell-Dressler Corporation, Pittsburgh, Pa. Conveying apparatus. 1,851,357; Mar. 22.

Brooke, Frank W., and W. H. Cosgrove, assignors to William Swindell and Brothers, Pittsburgh, Pa. Conveying apparatus. 1,861,440; June 7.

Brooke, Harold L., assignor to General Spring Bumper Corporation, Detroit, Mich. Combination bumper extension and trunk rack. 1,839,641; Jan. 5.

Brooker, Annie L., assignor to S. D. Brooker, Richmond, Va. Bed wardrobe. 1,859,912; May 24.

Brooker, Boyce D. (See Brooker, Annie L., assignor.)

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 1,846,300; Feb. 23.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 1,846,301; Feb. 23.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 1,846,302; Feb. 23.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 1,846,303; Feb. 23.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 1,846,304; Feb. 23.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions. 1,861,836; June 7.

Brookes, Joseph C., Chicago, Ill. Hair curler. 1,850,377; Mar. 22.

Brooklyn Metal Stamping Corporation, The. (See Hollister, Clarence P., assignor.)

Brooks, Albert P., Boston, Mass. Centrifugal drying machine. 1,840,693; Jan. 12.

Brooks, Alfred J., Boston, Mass. Hat protector. 1,851,875; Jan. 19.

Brooks, Benjamin T., Greenwich, Conn., assignor to Petroleum Chemical Corporation. Liquid phase sulphation of normal butene. 1,873,599; Sept. 27.

Brooks, Benjamin T., Greenwich, Conn., assignor to Petroleum Chemical Corporation. Sulphation of ethylene and the sulphation of a mixture of ethylene and propylene. 1,885,585; Nov. 1.

Brooks, Benjamin T., Greenwich, Conn., and E. J. Cardarelli, Newark, N. J. Organic acid-polybydric alcohol resins. 1,860,730; May 31.

Brooks, Benjamin T., Sound Beach, Conn., and T. T. Gray, Elizabeth, assignors to Gray Processes Corporation, Newark, N. J. Treatment of crude petroleum. 1,868,866; July 26.

Brooks, Bloomfield H., Denver, Colo. Tent supporting structure. 1,846,305; Feb. 23.

Brooks, Chester K., Mentor, and H. L. Spence, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock absorbing mechanism. 1,872,881; Aug. 23.

Brooks, Claude J. (See Gerry, M. H., 3d, and Brooks.)

Brooks, Donald L., Glendale, Calif. Article of manufacture in a combined radio cabinet and sound amplifying device. 1,891,616; Dec. 20.

Brooks, E. D., et al. (See Jones, Linton, assignor.)

Brooks Engineering Corporation. (See Brooks, Stephen H., assignor.)

Brooks, Ernest E., assignor to Dennison Manufacturing Company, Framingham, Mass. Powder box. 1,856,743; May 3.

Brooks, Eugene D. (See Stubbs, C. E., and Brooks.)

Brooks, Frederick W., sr., Virginia, Minn. Ice auger. 1,857,585; May 10.

Brooks, George W., Evanston, and J. J. Duginski, Chicago, Ill., assignors, by mesne assignments, to The S. O. S. Company, San Francisco, Calif. Cleansing article and making same. 1,878,104; Sept. 20.
Brooks, Harry L., and T. O'Flynn, Middletown, assignors to The Black-Clawson Company, Hamilton, Ohio. Paper making apparatus. 1,847,377; Mar. 1.
Brooks, John A., Detroit, Mich. Spraying system. 1,883,919; June 21.
Brooks, John C., Chicago, Ill. Display container. Des. 86,761; Apr. 19.
Brooks, Leo. (See Andrews, Frederick H., assignor.)
Brooks, Lewis C., assignor to National Paper Can Company, Milwaukee, Wis. Container and making the same. 1,835,622; Apr. 26.
Brooks, Manley E. (See Ganahl, J. A., and Brooks.)
Brooks, Marion L., Rainier, Oreg. Scissors boning and corrugating device. 1,863,433; June 14.
Brosmond, Raymond A. (See Andrews, E. M. A., Brooks, and Groomes.)
Brooks, Robert A., Chicago, Ill. Flushing valve. 1,865,520; July 26.
Brooks, Robert R., Pensacola, Fla. Tool and constructing the same. 1,885,679; Nov. 1.
Brooks, Roger, Washington, D. C. Steering apparatus. 1,866,393; July 5.
Brooks, Stephen H., assignor to Brooks Engineering Corporation, Los Angeles, Calif. Regulator valve. 1,877,487; Sept. 13.
Brooks, Thomas R. (See Salinas, Gustavo A., assignor.)
Brooks, William H., Oconomowoc, Wis., and W. Page, New York, N. Y. Loading or boxing apparatus. 1,873,868; Aug. 23.
Brooks, Winfred M., West Orange, N. J. Closure. 1,840,021; Jan. 5.
Brooks, Winfred M., West Orange, N. J. Sealing device. 1,847,552; Mar. 1.
Brookshire, Lawrence A., and F. John, Weaubleau, Mo. Poultry cooper's helper. 1,879,059; Sept. 27.
Broomall, Jesse J., Eagle Rock, Calif., assignor to C. G. Reed, Lawrence, and Della, Pa. Pt. 36; Oct. 18.
Broomhead, George, New York, N. Y. Tension device for automobile tops. 1,879,060; Sept. 27.
Brophy, Arthur, Santa Cruz, Calif. Hook for doors. 1,866,247; July 5.
Brophy, Gerald R., Schenectady, N. Y., assignor to General Electric Company, a corporation of N. Y. 1,886,776; Nov. 8.
Brophy, Gerald R., Schenectady, N. Y., and Guiseppe Scorzoni, East Lynn, Mass., assignors to General Electric Company. Refractory lining for melting pots. 1,870,054; Aug. 2.
Brosch, Helen, Brooklyn, N. Y. Bathing cap. 1,874,879; Aug. 30.
Brosche, Alexander, Gruiten, assignor to Rheinische-Westfalische Kalkwerke, Dornay, Germany. Extracting magnesia from dolomite. 1,863,967; June 21.
Brose, Walter. (See Bauer, G., and Brose.)
Broshek, Joseph J. (See Kirtland, F. D., Broshek, Briefly, and Evans.)
Brosig, Robert, Hollabrunn, Austria. Machine for automatically tamping underneath railway-sleepers during the finishing of the permanent way. 1,881,655; June 7.
Brosius, Albert M. (See Sherrard, F. H., and Brosius.)
Brosius, Edgar E., Pittsburgh, Pa. Tuyère structure and changing the same. 1,866,080; July 5.
Brosius, Edgar E., Pittsburgh, Pa. Valve. 1,867,349; July 12.
Brosius, Edgar E., Pittsburgh, Pa. Manipulator. 1,881,759; Oct. 4.
Brosius, Edgar E., Pittsburgh, Pa. Mud gun. 1,889,433; Nov. 29.
Brosius, Edgar E., Pittsburgh, Pa. Cinder notch stopper. 1,889,434; Nov. 29.
Brosius, John, jr., assignor of twenty-nine one hundredths to N. B. Hollyweod and ten one hundredths to J. R. Oliver, Great Falls, Mont. Holder for pencils and the like. 1,840,563; Jan. 12.
Brosnan, John J., Worcester, Mass. Strong box. 1,840,884; Jan. 12.
Brosnan, John J., Worcester, Mass. Strong box. 1,860,302; July 26.
Brosnahan, Cornelius, Chicago, Ill. Radio inductance switch. 1,843,800; Feb. 2.
Brossart, John A., E. F. Orr, and W. H. Spence, Indianapolis, Ind. Combined doorstop and locking means. 1,880,757; Oct. 4.
Brosse, Paul, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Printing machine for goffered films. 1,878,670; Sept. 20.
Brosse, Paul, Neuilly-sur-Seine, France, assignor to Kislyn Corporation. Device for the cutting of threads on cylindrical surfaces. 1,879,061; Sept. 27.
Brossman, Charles, Indianapolis, Ind. Sewage distributor. 1,882,546; Oct. 11.
Brostrom, Ernest O., Kansas City, Mo. Building construction. 1,892,421; Dec. 27.
Brotherman, Bernard, and F. J. Bowen, jr., San Antonio, Tex. Tube repairing clamp. 1,867,248; July 12.
Brothers, John T., Birmingham, Ala., assignor, by mesne assignments, to H. B. Floyd, Chicago, Ill. Corner joint for metal beds. 1,870,708; Aug. 9.
Brotherson, Christian N., Ketchikan, Alaska. Pistol. 1,839,830; Jan. 5.
Brotherton, Clifford, Brighouse, England, assignor, by mesne assignments, to I. P. Morris De La Vergne, Incorporated. Valve for regulating the flow of fluids. 1,842,146; Jan. 19.
Brotherton, Edward B., Milford, Conn. Rumble seat protector. 1,859,286; May 24.
Brotherton, Joseph E., and R. W. Morris, Houston, assignors of one-half to J. S. Abercrombie, Harris County, Tex. Casing cutter. 1,874,880; Aug. 30.
Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Generator overload stop. 1,852,835; Apr. 5.
Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Thermostatic switch. 1,853,957; Apr. 12.
Brotz, Frank G. (See Kohler, H. V., and Brotz.)
Brotz, Frank G., Kohler, Wis. Faucet. Des. 87,328; July 12.
Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Bathtub drain. 1,867,725; July 19.
Brougham, Leslie E., Thornton Heath, assignor to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Sorting machine for statistical cards or the like. 1,869,463; July 12.
Brougham, Leslie E., Thornton Heath, assignor to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Sorting machine for statistical cards or the like. 1,866,749; July 12.
Brougham, Leslie E., Thornton Heath, assignor to The Accounting & Tabulating Corporation of Gt. Britain, Limited, London, England. Card perforating machine or the like. 1,871,582; Aug. 16.
Brougham, Leslie E., Thornton Heath, assignor to The Accounting & Tabulating Corporation of Great Britain, Limited, London, England. Record card controlled listing or tabulating or like statistical machine. 1,875,845; Sept. 6.
Brouhard, Edward J., Des Moines, Iowa. Attachable adapter for use in connection with grease guns. 1,889,971; Dec. 6.
Brouner, Benjamin N., Takoma Park, Md. Electric wire conduit. 1,873,813; Aug. 23.
Brouse, William H. D., Toronto, Ontario, Canada. Air and oil feeding pump. 1,882,206; Oct. 11.
Brouse, William H. D., assignor to Service Station Equipment Co. Limited, Toronto, Ontario, Canada. Fluid dispensing device. 1,875,987; Sept. 6.
Brouse, William H. D., assignor to Service Station Equipment Co. Limited, Toronto, Ontario, Canada. Air elimination for liquid pump equipment. 1,887,918; Nov. 15.
Brousman Mfg. Co., See Hills, John H., assignor.)
Browner, Benjamin W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for looms. 1,852,073; Apr. 5.
Browers, Hermann, Jacksonville, Fla. Tag stapling device of the plier type. 1,847,067; Mar. 1.
Browall, Bert H. (See Djurson, A. R. K., and Browall.)
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Actuation means for automatic shack adjusters. 1,848,991; Mar. 8.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator. Malmo, Sweden. Brake leverage adjuster. 1,864,636; June 28.
Browder, Jay O. (See Atwill, G. C., and Browder.)
Brower, John M., Grand Rapids, Mich. Chair. Des. 87,144; June 14.
Bower, Ormus E., Salt Lake City, Utah. Overhead door. 1,848,311; Mar. 8.
Brower, William J., Quiney, Ill. Brooder. 1,850,657; Mar. 22.
Brown, Aaron, Chicago, Ill. Demountable rim. 1,857,426; May 10.
Brown, Albert, assignor to Vogt Manufacturing Corporation, Rochester, N. Y. Pull cord or the like. 1,874,881; Aug. 30.
Brown, Albert C., Chicago, Ill. Valve. 1,856,088; May 3.
Brown, Albert C., Chicago, Ill. Sink fixture. 1,857,136; May 10.
Brown, Aldrich M., Mobile, Ala. Combined pump jack and head. 1,881,349; Oct. 4.
Brown, Alfred T., and A. J. Liebenberg, assignors to The Wagner Elevator Manufacturing Company, Cincinnati, Ohio. Elevator platform. 1,849,788; Mar. 15.
Brown, Ambrose M., Milwaukee, assignor of one-half to D. E. Youngquist, Granville, Wis. Folding crib. 1,846,673; Feb. 23.
Brown, Anna L., Tulsa, Okla. Hanger. 1,870,169; Aug. 2.
Brown, Archibald S., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Signaling system. 1,868,691; July 26.
Brown, Arthur C., Wakefield, assignor to Heywood-Wakefield Company, Boston, Mass. Chair and friction hinge therefor. 1,874,434; Aug. 30.
Brown, Arthur E., Burlington, Ontario, Canada. Refrigerator unit. 1,884,759; Oct. 18.
Brown, Arthur E., Brentwood, assignor to Universal Rubber Paviors Limited, Audenshaw, near Manchester, England. Composition and manufacture of bituminous mixtures for use in road construction and like purposes. 1,872,112; Aug. 16.
Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Emulsified fluid lubricant. 1,872,617; Aug. 16.
Brown Bag Filling Machine Company, The. (See Greenlaw, Burpee D., assignor.)

Brown, Benjamin D., New York, N. Y. Automatic irregular contour shaping machine. 1,857,777; May 10.
Brown, Benjamin W., Hapeville, assignor of one-half to J. Chapman and one-fourth to L. E. Scott Chapman, Atlanta, Ga. Protector mechanism for looms. 1,868,813; July 26.
Brown, Bert B., The Dalles, Oregon. Valve tool. 1,862,465; June 7.
Brown & Bigelow. (See Fischer, Howard L., assignor.)
Brown & Bigelow. (See Fischer, H. L., and Ward, assignors.)
Brown & Bigelow. (See Harris, B. H., and Craft, assignors.)
Brown Boveri & Cie. (See Van Rijswijk, Willem, assignor.)
Brown, Boveri & Cie. (See Widmer, Stefan, assignor.)
Brown-Brockmeyer Company, The. (See Borchers, Alwin, assignor.)
Brown-Brockmeyer Company, The. (See Brown, S. A., and Brockmeyer, assignors.)
Brown Brothers Welding Company. (See Brown, Hugh F., assignor.)
Brown, Bruce F., Huntington Park, and G. F. Ford, Los Angeles, assignors to Fibreboard Products Inc., San Francisco, Calif. Carton. 1,876,200; Sept. 6.
Brown, Bruce K. (See Gabriel, C. L., and Brown.)
Brown, Bruce K., Pelham, N. Y. Primary cell. 1,854,176; Apr. 19.
Brown & Caine (Chicago Division) of Tung-Sol Lamp Works Inc. (See Damarin, F. L., and Harper, assignors.)
Brown, Carl A., East Cleveland, F. B. Van Sickle, Wickliffe, and C. W. Craig, East Cleveland, Ohio, assignors to General Electric Company. Glass forming machine. 1,872,842; Aug. 30.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Let-back for loom take-ups. 1,849,221; Mar. 8.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Whip roll release for looms. 1,850,125; Mar. 29.
Brown, Charles B. (See Brown, Charles H. and C. B.)
Brown, Charles E. (See Stevens, D. E., and Brown.)
Brown, Charles H. Los Angeles, Calif. Valve assembly. 1,840,564; Jan. 12.
Brown, Charles H. (See Flake, Thomas E., assignor.)
Brown, Charles H., Breckenridge, Tex. Grading machinery. 1,848,933; Mar. 8.
Brown, Charles H. and C. B., Flushing, N. Y. Shoe construction. 1,867,305; July 12.
Brown, Charles H., and P. Frazier, Breckenridge, Tex. Blade for road scrapers. 1,879,062; Sept. 27.
Brown, Charles H. and C. B., Flushing, N. Y. Shoe. 1,879,729; Sept. 27.
Brown, Charles I., Queens Village, N. Y. Lamp. 1,886,634; Nov. 8.
Brown, Charles J., Donora, Pa. Apparatus for annealing. 1,870,551; Aug. 9.
Brown, Charles S. (See Delaney, Thomas A., assignor.)
Brown, Charles S., Syracuse, N. Y. Motor agricultural machine. 1,868,045; July 19.
Brown, Charles S., Syracuse, N. Y. Roller bearing construction. 1,871,139; Aug. 9.
Brown, Charles S., Syracuse, N. Y. Roller bearing construction. 1,871,149; Aug. 9.
Brown, Charles S., Syracuse, N. Y. Roller bearing. 1,871,150; Aug. 9.
Brown, Charles T., et al. (See Brisbois, Odilon, assignor.)
Brown, Charles W., San Diego, Calif. Closet flushing device. 1,873,181; Aug. 23.
Brown, Claude C., Los Angeles, Calif. Liquid fuel consumption indicator. 1,852,553; Apr. 5.
Brown, Claude I. (See Glaze, C. H., and Brown.)
Brown, Clement, Perry Barr, Birmingham, assignor to Amalgamated Carburetters Limited, Birmingham, England. Carburetter for internal combustion engine. 1,875,557; Sept. 6.
Brown, Clement, and W. Comery, assignors to Amal Limited, Birmingham, England. Fuel injection pump for internal combustion engines. 1,877,803; Sept. 20.
Brown, Clinton W., Morrisville, and J. A. Solssa, Philadelphia, Pa., assignors, by mesne assignments, to Sloane-Blabon Corporation, New York, N. Y. Control device. 1,858,389; May 17.
Brown Clutch Company, The. (See Hottman, Charles W., Jr., assignor.)
Brown, Clyde E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for drop box looms. 1,873,108; Aug. 23.
Brown, Clyde E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for double shuttlelooms. 1,873,182; Aug. 23.
Brown, Clyde E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for pick and pick looms. 1,873,183; Aug. 23.
Brown Company. (See Anderson, Gustave, assignor.)
Brown Company. (See Brown, Roy E., assignor.)
Brown Company. (See Burke, Edmund, assignor.)
Brown Company. (See Burke, E., and Sherman, assignors.)
Brown Company. (See Goldsmith, Chester H., assignor.)
Brown Company. (See Hill, Roger B., assignor.)
Brown Company. (See Hill, R. B., and Fogarty, assignors.)
Brown Company. (See Hubbard, Barton D., assignor.)
Brown Company. (See Lovering, Everett W., assignor.)
Brown Company. (See Meglitz, William B., assignor.)
Brown Company. (See Meglitz, W. B., and Schur, assignors.)
Brown Company. (See Moore, Hugh K., assignor.)
Brown Company. (See Parker, Howard, assignor.)
Brown Company. (See Richter, George A., assignor.)
Brown Company. (See Richter, G. A., and Chase, assignors.)
Brown Company. (See Richter, G. A., and Scherer, assignors.)
Brown Company. (See Richter, G. A., and Schur, assignors.)
Brown Company. (See Richter, G. A., Schur, and Rasch, assignors.)
Brown Company. (See Richter, G. A., and Van Arsdel, assignors.)
Brown Company. (See Root, Bertwell C., assignor.)
Brown Company. (See Schur, Milton O., assignor.)
Brown Company. (See Schur, M. O., and Gosselink, assignors.)
Brown Company. (See Schur, M. O., and Hoos, assignors.)
Brown Company. (See Schur, M. O., and Meglitz, assignors.)
Brown Company. (See Schur, M. O., and Rasch, assignors.)
Brown Company. (See Schur, M. O., Rasch, and Hoos, assignors.)
Brown Company. (See Sherman, John C., assignor.)
Brown Company. (See Van Arsdel, Wallace B., assignor.)
Brown Company. (See Vannah, Harold P., assignor.)
Brown Company. (See Vannah, H. P., and Houser, assignors.)
Brown Company. (See Vogel, F. W., and Meglitz, assignors.)
Brown, David B., Bellingham, Wash. Straight-razor stropping machine. 1,854,577; Apr. 19.
Brown, Donald F., London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed valve device. 1,891,666; Dec. 20.
Brown, Edgar S., Worcester, Mass. Radio aerial. 1,860,652; May 31.
Brown, Dimmick, Barrie, assignor to Marvel Headlight Limited, Toronto, Ontario, Canada. Automobile headlight dimming device. 1,867,648; July 19.
Brown, Donnelly, Kasson, Minn. Thermolunchbox. 1,874,862; Aug. 30.
Brown, E. C., Company. (See Tappen, Dewitt, assignor.)
Brown, Edward M., Toledo, Ohio. Making enzymatized stock feed. 1,885,411; Nov. 1.
Brown, Edgar W., Jr., et al. (See Brent, George R., assignor.)
Brown, Edwin C., Los Angeles, Calif. Core-drilling apparatus. 1,845,250; Feb. 16.
Brown, Edwin C., and C. G. A. Schmidt, jr., assignors to American Road Machinery Company, Kennett Square, Pa. Manifold and detachable swivel connection therefor. 1,840,483; Jan. 12.
Brown, Elmer R. (See Frey, C. N., Brown, and Craig.)
Brown, Emma L., assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,395; Nov. 29.
Brown, Emma L., assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,396; Nov. 29.
Brown, Ernest L., Watertown, assignor to Better-Built Pumps, Inc., Cambridge, Mass. Pump. 1,858,036; May 10.
Brown, Ernest L., Watertown, assignor to Better-Built Pumps, Inc., Cambridge, Mass. Coupling. 1,859,251; May 17.
Brown, Ernest N., Johnston City, Ill. Refractometer. 1,859,949; May 17.
Brown, Eugene P. (See Shaeffer, E. J., and Brown.)
Brown, F. E. (See Cox, Allen, assignor.)
Brown-Fayro Company, The. (See Faunce, Benjamin F., assignor.)
Brown, Francis D., West Los Angeles, assignor of one-half to C. Alan, Pomona, Calif. Pellet forming machine. 1,851,490; Mar. 29.
Brown, Francis H., Ridley Park, Pa. Metering and recording the flow of fluids. 1,843,442; Feb. 2.
Brown, Francis H., Ridley Park Township, Delaware County, Pa. Burning combustibles with improved calorific efficiency. 1,878,105; Sept. 20.
Brown, Francis L., et al. (See Dalgliesh, Herbert V., assignor.)
Brown, Franklin, et al. (See Brown, Franklin, assignor.)
Brown, Franklin, Whitehouse, N. J., assignor to General Health Corporation, Philadelphia, Pa. Toothbrush. 1,840,484; Jan. 12.
Brown, Franklin, White House, N. J., assignor to General Health Corporation, Philadelphia, Pa. Paper bottles. 1,841,264; Jan. 19.
Brown, Franklin, White House, N. J., assignor to General Health Corporation, Philadelphia, Pa. Nipple. 1,858,356; May 17.
Brown, Franklin, White House, N. J., assignor to General Health Corporation, Philadelphia, Pa. Paper cup. 1,865,555; July 5.

Brown, Franklin, Frankford, Philadelphia, assignor, by mesne assignments, to himself and G. F. Brown, Philadelphia, Pa. Apparatus for dispensing packages of hosiery or the like. 1,852,733; Apr. 5.

Brown, Franklin, assignor to General Health Corporation, Philadelphia, Pa. Apparatus for molding nipples. 1,877,761; Sept. 20.

Brown, Fred J. (See Doran, David D. and G. D., assignors.)

Brown, Freeman L., Wilmerding, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motion picture apparatus. 1,850,406; Oct. 4.

Brown, George C., Worcester, Mass. Humidifying apparatus. 1,850,758; Oct. 4.

Brown, George H., Willow Grove, Pa. Hat holder. 1,890,559; Dec. 13.

Brown, George, O. E. Roach, and H. J. Peters, Columbus, Ohio, Refuse destructor. 1,851,345; Mar. 29.

Brown, George K., Portland, Oreg. Exercising apparatus. 1,850,530; Mar. 22.

Brown, George R. (See Harding, Brooks B., assignor.)

Brown, George R. (See Naab, G. F., and Brown.)

Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Circuit interrupter. 1,847,922; Mar. 1.

Brown, George R., and G. F. Naab, assignors to The North American Manufacturing Company, Cleveland, Ohio. Proportioning valve. 1,846,946; Feb. 23.

Brown, George R., and G. F. Naab, assignors to The North American Manufacturing Company, Cleveland, Ohio. Liquid pump. 1,846,947; Feb. 23.

Brown, George R., and G. F. Naab, assignors to The North American Manufacturing Company, Cleveland, Ohio. Valve. 1,858,877; May 17.

Brown, George R., and G. F. Naab, assignors to The North American Manufacturing Company, Cleveland, Ohio. Automatic valve. 1,877,221; Sept. 13.

Brown, George W., assignor to Inland Empire Paper Company, Millwood, Wash. Wrapping and sealing apparatus. 1,847,222; Mar. 1.

Brown, Geraldine F., et al. (See Brown, Franklin, assignor.)

Brown, Glendon C. (See Stansbury, Carroll, assignor.)

Brown, Glendon C. (See Stansbury, C., and Brown.)

Brown, Glendon C. (See Stansbury, C., and Brown, assignors.)

Brown, Gouvernour G. (See Hickman, George F., assignor.)

Brown, Gregory, Fairfield, assignor to Bridgeport Brass Company, Bridgeport, Conn. Pump for pressure tanks. 1,886,158; Nov. 1.

Brown, H. Brunton, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,851,083; Mar. 29.

Brown, Hadyn, London, England. Device for testing sensory and mental faculties. 1,877,643; Sept. 13.

Brown, Harold. (See Conant, Ray W., assignor.)

Brown, Harold, Kansas City, Kans. Identification device. 1,851,491; Mar. 29.

Brown, Harold D., Los Angeles, Calif. Shingle. Des. 86,194; Feb. 16.

Brown, Harold E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for building tire flaps. 1,857,998; May 10.

Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 1,888,068; Nov. 15.

Brown, Harry C., Westwood, assignor to Henry B. Newhall Corporation, Garwood, N. J. Chain, method, and method of welding. 1,866,837; July 12.

Brown, Harvey E. (See Willett, W. R., and Brown.)

Brown, Henry A. (See Ball, R. D., and Brown.)

Brown, Herbert D., and C. A. Sabbah, Schenectady, N. Y., assignors to General Electric Company. Constant current translating circuit. 1,844,633; Feb. 9.

Brown, Herbert D., and C. A. Sabbah, Schenectady, N. Y., assignor to General Electric Company. Space discharge device. 1,871,403; Aug. 9.

Brown, Herman L., Greenville, Ohio. Quick detachable tire wheels. 1,875,158; Sept. 6.

Brown, Horatio G. W., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time of day announcing system. 1,862,519; June 14.

Brown, Horatio W., Concord, assignor to Bemis Industries, Incorporated, Boston, Mass. Apparatus for manufacture of sheet material. 1,873,279; Aug. 23.

Brown, Huch A., assignor to Board of Trustees of the University of Illinois, Urbana, Ill. Suppressed wave.

Brown, Hugh E., assignor to Brown Brothers Welding Company, San Francisco, Calif. Pipe cutting machine. 1,860,653; May 31.

Brown, Hugh E., assignor to Brown Brothers Welding Company, San Francisco, Calif. Pipe cutting machine. 1,885,107; Nov. 1.

Brown Instrument Company. (See Brown, Richard P., assignor.)

Brown Instrument Company, The. (See Brown, Richard P., assignor.)

Brown Instrument Company, The. (See Eremeeff, Ivan I., assignor.)

Brown Instrument Company. (See Harrison, Thomas R., assignor.)

Brown Instrument Company. The. (See Harrison, Thomas R., assignor.)

Brown Instrument Company, The. (See Maris, Elwood S., assignor.)

Brown Instrument Company, The. (See Pearce, Walter H., assignor.)

Brown Instrument Company. (See Schneider, Elmer, assignor.)

Brown Instrument Company, The. (See Winton, Lewis B., assignor.)

Brown, James B., Detroit, Mich. Filing device. 1,887,539; Nov. 15.

Brown, James H., Tel-Aviv, Jaffa, Palestine. Liquid fuel injection valve for Diesel and like engines. 1,856,089; May 3.

Brown, James H., Baltimore, Md. Cigarette rolling device. 1,873,816; Aug. 23.

Brown, James L., assignor to A. L. Rule, Knoxville, Tenn. Ironing board or table. 1,867,056; July 12.

Brown, James M., deceased; J. D. Brown, administratrix, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Segregated phase system. 1,851,152; Mar. 29.

Brown, James W. (See Brown, Miles P. and J. W.)

Brown, Jane D., administratrix. (See Brown, James M.)

Brown, Jerome, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Valve. 1,849,274; Mar. 15.

Brown, John E., Elyria, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Artificial bait. 1,870,767; Aug. 9.

Brown, John E., Elyria, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish lure. 1,874,883; Aug. 30.

Brown, John H., Haskell, Okla. Refuse separator. 1,878,753; Sept. 20.

Brown, John L., Catonsville, and W. W. Varney, Baltimore, Md. Process and products in the art of forming, machining, and the recovery of the products thereof, of metals. 1,864,889; June 28.

Brown, John L., Catonsville, assignor of one-half to W. W. Varney, Baltimore, Md. Product relating to smoking substances and making the same. 1,871,151; Aug. 9.

Brown, John L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal box for motors. 1,868,944; July 5.

Brown, John L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sealed sleeve bearing. 1,870,791; Aug. 9.

Brown, John P., New Malden, England. Deflection or deviation indicator. 1,860,230; May 24.

Brown, John R., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Gauge cock. 1,886,159; Nov. 1.

Brown, Joe, Granite City, Ill. Cabinet-range. Des. 86,079; Jan. 26.

Brown, Joe, Granite City, Ill. Cabinet-range. Des. 86,080; Jan. 26.

Brown, John. (See Craig, A. E., and Brown.)

Brown, John F., West Warwick, R. I. Ornament. 1,851,806; Mar. 29.

Brown, John J., Nashville, Tenn. Drawknife. 1,840,151; Jan. 5.

Brown, John W. (See Johnston, H. M., and Brown.)

Brown, Laurel H., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for measuring materials. 1,859,020; May 17.

Brown, Laurel H., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for indicating speed. 1,871,404; Aug. 9.

Brown, Lee R., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,888,157; Nov. 15.

Brown, Lee R., East Orange, and A. A. Overbury, West Orange, assignors to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,868,407; Aug. 5.

Brown, Lee R. (See Chase, G. C., and Brown.)

Brown, Lemuel G., Oklahoma City, Okla. Radio time-setting control. 1,839,947; Jan. 5.

Brown, Le Roy O., assignor to Justrite Manufacturing Company, Chicago, Ill. Gas burner. 1,870,668; Aug. 9.

Brown, Leslie A., assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork, or other article of flatware. Des. 86,512; Mar. 15.

Brown-Line Gear Company. (See Fawick, Thomas L., assignor.)

Brown-Line Gear Company. (See Spase, Charles B., assignor.)

Brown, Lloyd M. (See Dengler, Franz P., assignor.)

Brown, Lorenzo D., Concord, N. H. Machine for inserting edible filler into a roll or the like. 1,871,837; Aug. 16.

Brown, Louis S., Los Angeles, Calif. Strip gasket. 1,860,932; May 31.

Brown, Lucille, et al. (See Logan, Amazon C., assignor.)

Browne, Lyle W., assignor to The Fisher Governor Company, Marshalltown, Iowa. High-pressure relief valve. 1,892,565; Dec. 27.

Brown Lynch Scott Co. (See Flatley, John H., assignor.)

Brown, Martin F., St. Paul, Minn. Spark arrester for locomotives. 1,875,846; Sept. 6.

Brown, Martin W., New York, N. Y., H. J. Klein, Woodridge, and R. H. Wager, Jersey City, N. J. Inverted vent check valve. 1,851,084; Mar. 29.

Brown, Mary A., Nashville, Tenn. Book support. 1,866,394; July 5.
Brown, Mary E. J., Philadelphia, Pa. Automobile safety guard. 1,848,310; Mar. 8.
Brown, McCleane, Sewickley, Pa. Manufacture of hollow metal bars. 1,857,620; May 10.
Brown, Merritt M., Philadelphia, Pa. Marker for highway poles. 1,847,923; Mar. 1.
Brown, Miles P. and J. W., Franklin, Pa. Screen organization for filter oulets. 1,855,904; Apr. 26.
Brown, Millard K., Eagle Grove, Iowa. Hog greaser. 1,886,635; Nov. 8.
Brown, Myron J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Translating apparatus. 1,883,875; Oct. 25.
Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for railroads. 1,840,223; Jan. 5.
Brown, Newton N., assignor to Gold Medal Folding Furniture Company, Racine, Wis. Reclining chair. 1,882,176; Oct. 11.
Brown, Nick, et al. (See Logan, Amazon C., assignor.)
Brown, Oscar, Delmar, Iowa. Mail-box and parcel bracket. 1,888,111; Nov. 15.
Brown, Parson W., Lingle, Wyo. Clod crusher and soil pulverizer. 1,845,009; Feb. 16.
Brown, Ralph L., Pittsburgh, Pa., and W. W. Odell, Minneapolis, Minn. Producing reaction products from hydrocarbones and water. 1,873,536; Aug. 23.
Brown, Ralph L., and W. W. Odell, Pittsburgh, Pa. Producing oxygenated organic compounds. 1,873,538; Aug. 23.
Brown, Raymond F., New York, N. Y. Hose rack. 1,870,922; Aug. 9.
Brown, Reinhardt, H., La Porte, Ind. Collapsible cart. 1,855,567; Apr. 26.
Brown, Robert A., Olean, N. Y. Knife and flash light. 1,890,841; Dec. 13.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Binding post for meters. 1,845,699; Feb. 16.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 1,891,617; Dec. 20.
Brown, Robert A., Los Angeles, Calif. Ocean swell motor. 1,851,145; Apr. 5.
Brown, Robert B., Great Neck, assignor to American Manufacturing Company, Brooklyn, N. Y. Doormat. Des. 71,719; Aug. 23.
Brown, Robert B., Great Neck, L. I., assignor to American Manufacturing Company, Brooklyn, N. Y. Method and apparatus for piling material. 1,882,760; Oct. 18.
Brown, Robert E., Olean, N. Y. Knife. 1,888,488; Nov. 22.
Brown, Robert E., Olean, N. Y. Knife. 1,888,489; Nov. 22.
Brown, Robert E., Olean, N. Y. Pocketknife. 1,864,011; June 21.
Brown, Robert H., Ottawa, Ontario, Canada. Watering bowl and supporting the same. 1,879,788; Sept. 27.
Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavating machinery. 1,851,346; Mar. 29.
Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Traction drive. 1,855,834; Apr. 26.
Brown, Robert S., assignor of one-third to R. H. Bublitz and one-third to H. W. Bublitz, Milwaukee, Wis. Garment support. 1,866,031; July 5.
Brown, Robert S., Upper Montclair, N. J., assignor to Outserts, Inc., New York, N. Y. Device for attachment to containers. 1,864,526; June 28.
Brown, Robert S. (See Klein, C. A., and Brown.)
Brown, Robert S., assignor, by mesne assignments, to The New Britain-Gridley Machine Company, New Britain, Conn. Chuck. 1,879,656; Sept. 27.
Brown, Robert S., assignor, by mesne assignments, to The New Britain-Gridley Machine Company, New Britain, Conn. Chucking mechanism. 1,887,621; Nov. 15.
Brown, Roger B., Trenton, N. J., assignor to D. M. Sutherland, jr., Morrisville, Pa. Fireproof fiber product. 1,860,134; May 24.
Brown, Roger B., Trenton, N. J., assignor to Daniel M. Sutherland, jr., Morrisville, Pa. Preparation of fiber and fiber products. Oct. 25.
Brown, Roger S., Chicago, Ill. Tube for boilers, heat exchangers, and the like. 1,870,669; Aug. 9.
Brown, Roger S., Chicago, Ill. Tube for boilers, heat exchangers, and the like. 1,870,670; Aug. 9.
Brown, Roy L. (See Cole, H. L., Dann, and Brown.)
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire balancing machine. 1,842,818; Jan. 26.
Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Thermostatically controlled heating device. 1,858,660; May 17.
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Repair vulcanizer. 1,880,407; Oct. 4.
Brown, Samuel B., Los Angeles, Calif. Auxiliary power device. 1,887,832; Nov. 15.
Brown, Sephus F., Amarillo, Tex. Pump valve. 1,864,520; June 28.
Brown & Sharpe Manufacturing Company. (See Mathewson, Maxwell I., assignor.)
Brown & Sharpe Manufacturing Company. (See Maxfield, Arthur C., assignor.)
Brown & Sharpe Mfg. Co. (See Parkhurst, Malcolm K., assignor.)
Brown and Sharpe Manufacturing Company. (See Rich, Charles A., assignor.)
Brown & Sharpe Manufacturing Company. (See Sidgreaves, Henry, assignor.)
Brown and Sharpe Manufacturing Company. (See Tompkins, F. N., and Miner, assignor.)
Brown, Sidney G., North Acton, London, England. Dynamo electric machine. 1,881,250; Oct. 4.
Brown, Stanley, Garden City, assignor to The Griscom Russell Company, New York, N. Y. Evaporator system. 1,848,047; Feb. 23.
Brown, Stanley, Garden City, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,855,618; May 3.
Brown, Stanley, Garden City, N. Y., assignor to The Griscom-Russell Company. Scale shedding heat transfer apparatus. 1,884,555; Oct. 25.
Brown, Stanley, Garden City, and J. Price, West New Brighton, assignors to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,868,657; July 26.
Brown, Steffen A., and E. W. Brockmeyer, assignors to The Brown-Brockmeyer Company, Dayton, Ohio. Variable speed motor. 1,887,675; Nov. 15.
Brown, Theodore, Victoria, assignor to Stephen L. Giraud, London, England. Toy book. 1,844,816; Feb. 9.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Cultivator. 1,868,307; July 19.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Power lift cultivator. 1,872,236; Aug. 16.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor cultivator. 1,872,237; Aug. 16.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Agricultural implement. 1,872,238; Aug. 16.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Power take-off mechanism for tractors. 1,876,561; Sept. 13.
Brown, Theophilus, and W. H. Silver, assignors to Deere & Company, Moline, Ill. Cultivator rig mounting. 1,840,674; Feb. 23.
Brown, Theophilus and B. J. Kough, assignors to Deere & Company, Moline, Ill. Agricultural implement. 1,872,662; Sept. 20.
Brown, Thomas B., and M. L. Stansell, Dayton, Ohio. Parachute opener. 1,861,784; June 7.
Brown, Thomas H., and E. P. Crowder, Pottsboro, Tex. Cotton thinning machine. 1,853,023; Apr. 12.
Brown, Victor Y., Clenburn, Tonbridge, England. Vehicle. 1,844,003; Feb. 9.
Brown, Virgil C., Mount Vernon, Ia., assignor to Eugene Dietzgen Company, Chicago, Ill. Apparatus for developing light sensitive material. 1,841,466; Jan. 19.
Brown, Walter L., Brooklands, assignor to Associated Electrical Industries Limited, London, England. Electrical amplifying system. 1,849,477; Mar. 15.
Brown, Walter O., Detroit, Mich. Display rack. 1,848,214; Mar. 8.
Brown, Wesgarth S. F., and J. Malna, assignors to The F. B. M. Gear Syndicate, Limited, London, England. Hydraulic control mechanism. 1,840,807; Jan. 12.
Brown, Wilbur F. (See Brier, J. C., Watkins, and Brown.)
Brown, Wilbur F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,872,399; Aug. 16.
Brown, Wilbur F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass apparatus. 1,872,664; Aug. 23.
Brown, Wilbur F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,873,280; Aug. 23.
Brown, Willard C. (See Falge, R. N., and Brown.)
Brown, William, New Haven, Conn. Signal lamp for automobiles. Des. 87,619; Aug. 23.
Brown, William, Flushing, N. Y. Cold storage box. 1,863,434; June 14.
Brown, William A., et al. (See Corbin, Elbert A., jr., assignor.)
Brown, William A., Philadelphia, Pa. Tire. 1,856,314; May 3.
Brown, William F., Franklin, Tenn. Indicating machine. 1,870,863; Aug. 9.
Brown, William H., Shaker Heights, assignor to Spicer Airdater, Inc., Cleveland, Ohio. Low pressure signal. 1,872,068; Aug. 16.
Brown, William H., Washington, D. C., assignor to Harry N. Kopple, Philadelphia, Pa. Amusement device. 1,855,568; Apr. 26.
Brown, William J., Irvington, assignor to The National Lock Washer Company, Newark, N. J. Sput and connecting it to a sheet. 1,840,764; Jan. 12.
Brown, William M., Johnstown, Pa. Means for coring key-ways. 1,852,502; Apr. 5.
Brown, William R., Winchendon, Mass. Shipping container. 1,846,540; Feb. 23.
Brown, William S., assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Bar bending machine. 1,841,784; Jan. 19.

Brown, William S., assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Bed bottom hanger mechanism. 1,861,735; June 7.
Brown, Winthrop, Jr., Cambridge, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe sole. Des. 86,594; Mar. 29.
Browne, Alfred L., South Orange, N. J. Venting appliance for heating system. 1,847,053; Feb. 23.
Browne, Alfred L., South Orange, N. J. Automatic valve. 1,889,311; Nov. 29.
Browne, Cecil O. (See Whittaker, A., and Browne.)
Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Refrigerating apparatus. 1,841,935; Jan. 19.
Browne, Theodore R., Prince Bay, N. Y., assignor to The S. S. White, Dental Manufacturing Company. Headrest. 1,885,507; Nov. 1.
Browne, James H., East Liverpool, Ohio. Heating pad. 1,855,092; Apr. 19.
Browne, Joseph G., Brooklyn, N. Y. Nut lock. 1,850,917; Mar. 22.
Browne-Lipe Gear Company. (See Barth, Elmer J., assignor.)
Browne, Lyle W., assignor to The Fisher Governor Company, Inc., Marshalltown, Iowa. Automatic liquid extractor. 1,882,761; Oct. 18.
Browne, Lyle W., assignor to The Fisher Governor Company, Marshalltown, Iowa. Flexible valve stem joint. 1,888,158; Nov. 15.
Browne-Morse Company. (See Soper, Raymond H., assignor.)
Browne, Orville C., San Bernardino, Calif. Twin head lamps. 1,854,319; Apr. 12.
Browne, Richard B., Brooklyn, N. Y. Balanced window sash. 1,879,730; Sept. 27.
Browne, Theodore C., and C. J. Kayko, Cleveland, assignors, by mesne assignments, to said Browne. Resistance material. 1,854,923; Apr. 19.
Browne, Vere B., Brackenridge, Pa. Making silicon steel from silicon scrap. 1,842,636; Jan. 26.
Browne, Vere B., Brackenridge, Pa. Making silicon steel from silicon scrap. 1,853,544; Apr. 12.
Browne, Vere B., Brackenridge, Pa. Producing magnetic alloys. 1,867,804; July 19.
Browne, Vere B., Brackenridge, Pa. Making noncorrodible springs. 1,883,397; Oct. 18.
Browne, Walter E. (See Stambaugh, R. W., and Browne.)
Browne, William N., Port Angeles, Wash. Mechanical offbearer. 1,867,873; July 19.
Brownell, Harry A., University City, Mo., assignor to Diamond Metal Products Company. Swivel pipe coupling. 1,872,065; Aug. 23.
Brownell, Harry A., University City, Mo., assignor to Diamond Metal Products Company. Swivel coupling. 1,872,666; Aug. 23.
Brownell Company, The. (See Haag, Walter J., assignor.)
Brownell Company, The. (See Little, Clarence B., assignor.)
Brownell Company, The. (See Little, C. B., and Haag, assignors.)
Brownell, George L., Worcester, Mass. Device for removing moisture from flexible strip material. 1,875,701; Sept. 6.
Brownell, George L., assignor to G. L. Brownell, Inc., Worcester, Mass. Apparatus for drying filamentary material. 1,885,799; Nov. 1.
Brownell, G. L., Inc. (See Brownell, George L., assignor.)
Brownell, James L., Kalamazoo, Mich. Circuit control apparatus for floodlights and the like. 1,853,798; Apr. 12.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Meter control apparatus. 1,859,740; Mar. 22.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Meter control. 1,859,741; Mar. 22.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Adjustable vehicle seat. 1,855,179; Apr. 26.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Adjustable seat. 1,855,219; Apr. 26.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Taximeter control mechanism. 1,859,616; May 24.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Motor vehicle body mounting. 1,867,806; July 19.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Meter control. 1,873,539; Aug. 23.
Brownell, James L., St. Petersburg, Fla., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Vehicle wheel. Re87,710; Sept. 6.
Brownell, Josephine D. (See Brownell, W. D., and J. B.)
Brownell, Myrtle I., Jackson, Mich., Transformer for floodlights. 1,866,750; July 12.
Brownell, Walter D. and J. D., Providence, R. I. Rose. Pl. Ft. 28; Oct. 4.
Brownie, Frank, Detroit, Mich. Valve grinder. 1,850,916; Mar. 22.
Browning, Bertie L., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of ascertaining the amount of coating on material. 1,843,231; Feb. 16.
Browning Crane Company. (See Christie, John W., assignor.)
Browning, George. (See McArdle, M. W., and Browning.)
Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Automatically timed electric toaster. 1,870,635; Aug. 2.
Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Automatically timed apparatus for heat treatment. 1,870,170; Aug. 2.
Browning, Howard D., South Kingstown, R. I. Vehicle control lever. 1,869,301; July 26.
Browning, J. E., Company. (See Browning, Jonathan E., assignor.)
Browning, J. M. & M. S., Company. (See Browning, John, assignor.)
Browning, James H., Great Neck, N. Y., assignor to Safety Liquid Fuel Torch Corporation. Welding and cutting torch. 1,879,789; Sept. 27.
Browning, John, assignor to J. M. & M. S. Browning Company, Ogden, Utah. Single trigger mechanism. 1,870,552; Aug. 9.
Browning, John B., Camden, N. J. Radio telephonograph. 1,865,395; June 28.
Browning, Jonathan E., assignor to J. E. Browning Company, Ogden, Utah. Firearms. 1,842,581; Jan. 26.
Browning, Roger M., Worcester, Mass., assignor to E. C. Bowers and C. A. Coleman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Spring wire connector. 1,847,378; Mar. 1.
Brownlee, Dalmar T. (See Brewster, C., and Brownlee.)
Brownlee, Dalmar T. (See Starkey, W. C., and Brownlee.)
Brownlee, Dalmar T., Indianapolis, Ind. Starter device. 1,858,617; May 17.
Brownlee, Dalmar T., Indianapolis, Ind. Anti-friction journal bearing. 1,877,480; Sept. 13.
Brownlee, Dalmar T., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Anti-reverse safety clutch. 1,855,936; Apr. 26.
Brownlee, John A., Chicago, Ill. Self grading device. 1,842,470; Jan. 26.
Brownsdon, Henry W., Birmingham, W. R. Nimmo, Bushey Heath, and G. F. Pollitt, London, England, assignors to Imperial Chemical Industries Limited. Shot gun cartridge. 1,887,989; Nov. 15.
Brownsdon, Henry W., Mesebry, Birmingham, and W. R. Nimmo, Sparrows Herne, Bushey Heath, England, assignors to Imperial Chemical Industries Ltd. Shot gun cartridges. 1,887,990; Nov. 15.
Brownson, De Witt M., Syracuse, N. Y. Utensil holder. 1,864,039; June 21.
Brownstein, Benjamin, Ellwood City, Pa. Pipe thread protector. 1,859,881; May 24.
Brownstein, Morris, Los Angeles, Calif. Curtain display rack. 1,888,756; Nov. 22.
Brownyer, Nelson R. (See Alden, H. W., and Brownyer.)
Broyles, Harmon E., and Auer, K. B., and Broyles.)
Brozincevic, Max, Wetzikon, Switzerland. Auto of six or more wheels. 1,885,508; Nov. 1.
Brubaker, Jacob E., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy detonator. 1,854,686; Apr. 19.
Brubaker, Walter S., Oakland, assignor to Granberg Meter Corporation, San Francisco, Calif. Float valve. 1,846,541; Feb. 23.
Brubaker, Walter S., Oakland, assignor to Granberg Meter Corporation, San Francisco, Calif. Resettable counter. 1,885,680; Nov. 1.
Brubacher, Wilbur, Bridgeport, Ontario, Canada. Headlight signal. 1,867,483; July 12.
Brubaker, Theodore M., Du Bois, Pa. Soot cleaner for boilers. 1,873,282; Aug. 23.
Brubaker, Henry J., and J. B. Brubaker, San Dimas, assignors, by mesne assignments, to Kunkel Manufacturing Company, Ltd., Los Angeles, Calif. Feeding mechanism. 1,876,847; Sept. 13.
Brubaker, John B. (See Brubaker, Henry J. and J. B.)
Bruce, A. J., Birmingham, Ala. Buff. 1,878,815; Sept. 20.
Bruce, Alexander D., E. A. Russell, and T. H. Manchester, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Thrust bearing for flexible pipe joints. 1,870,036; Aug. 2.
Bruce, Alfred W., New York, N. Y. Locomotive. 1,853,257; Apr. 12.
Bruce, Alfred W., New York N. Y. Draft appliance for locomotives. 1,853,893; Apr. 12.
Bruce, Alfred W., New York, N. Y. Truck for railroad vehicles. 1,866,839; July 12.
Bruce, Alfred W., New York, N. Y. High pressure locomotive. 1,874,236; Aug. 30.
Bruce, Alfred W., New York, N. Y. Lateral motion device for locomotives. 1,875,172; Aug. 30.
Bruce, E. L., Company. (See Bruce, Robert G., assignor.)
Bruce, E. L., Company. (See Fetz, Werner, assignor.)
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unidirectional antenna system. 1,841,085; Jan. 12.

Bruce, Edmond, Red Band, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic gain control. 1,890,454; Dec. 13.

Bruce, Emmett T., et al. (See Thomas, Jack L., assignor.)

Bruce, John E., Des Moines, Iowa. Meat trencher. 1,889,192; Nov. 29.

Bruce, Lee, Chicago, Ill. Pocket protector. 1,875,847; Sept. 6.

Bruce, Robert A. G. T. R. Hill, and J. W. Ratcliffe, assignors to Petters, Limited, Yeovil, England. Steering aileron or elevator mechanism for aircrafts or other craft. 1,855,093; Apr. 19.

Bruce, Robert G., assignor to E. L. Bruce Company, Memphis, Tenn. Classifying wood products. 1,885,177; Nov. 1.

Bruce, Walter E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Radio apparatus. 1,877,551; Sept. 13.

Bruck, Robert L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building form or core. 1,879,063; Sept. 27.

Bruck, Walter, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of chloroanthraquinoneacridone. 1,848,072; Mar. 1.

Bruck, Walter, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Halogenated anthraquinonebenzacridone. 1,848,073; Mar. 1.

Bruck, Walter, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Halogenated anthraquinonebenzacridone. 1,848,074; Mar. 1.

Bruck, Walter, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Halogen anthraquinone acridones. 1,851,085; Mar. 29.

Bruck, Walter, Mannheim, assignor to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chloro-anthraquinone-acridones and making same. 1,883,525; Oct. 18.

Brückel, Heinrich, Berlin, Germany, assignor to General Electric Company. Multiplex signaling system. 1,863,829; June 21.

Brucker, Frank, Maplewood, assignor to American Aluminum Ware Co., Newark, N. J. Pouring spout and container. 1,870,489; Aug. 9.

Bruckler, Leonard, Fox Chase, Pa. Elbow protector. 1,846,835; Feb. 23.

Brucklmayr, Georg. (See Aurig, M., and Brucklmayr.)

Brucknmann, Heinrich Jesen, Germany. Lamp shade with fabric cover. 1,868,692; July 26.

Brückner, Albert, Etna, Pa. Mold for building blocks. 1,852,720; Apr. 5.

Brückner, Gustav, Neuses, near Coburg, Germany. Automatic welding machine. 1,850,126; Mar. 22.

Brucks, Arthur O. (See Hofmann, W., and Brucks.)

Bruder, Edward S. (See Mathis, C., and Bruder.)

Brueckner, Julius R., Bay City, Mich., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Seam welding machine. 1,852,108; June 7.

Brueckner, Julius R. and W. H. Gibb, Detroit, Mich., assignors to Thomsen-Gibb Electric Welding Company, Lynn, Mass. Machine for preparing metal for electric welding. 1,862,207; June 7.

Brueggeman, Louis W., Milwaukee, Wis. Automobile skid preventing device. 1,842,506; Jan. 26.

Brugger, Zeno A., Boise, Idaho. Piston. 1,851,086; Mar. 29.

Brueh, Arthur R. (See Dempster, G., and Brueh.)

Bruer, Wilhelm. (See Kleinow, W., Morgenroth, Reinhard, and Bruer.)

Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,868,880; July 26.

Brueshaber, Martin W., River Forest, assignor to The Goss Printing Press Co., Chicago, Ill. Collecting and folding mechanism for printing presses. 1,876,039; Sept. 6.

Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Inking roller. 1,882,480; Oct. 11.

Brueshaber, Martin W., River Forest, assignor to The Goss Printing Press Co., Chicago, Ill. Printing press. 1,884,856; Oct. 25.

Brugger, Emile, Valley Stream, N. Y., assignor of one-half to Atlantic Broadcasting Corporation. Radio period selecting device. 1,864,643; Apr. 19.

Brugler, Garrett M., Big Springs, Ohio. Loading device. 1,867,999; July 19.

Brugmann, William, Philadelphia, Pa. Door worker. 1,852,936; May 10.

Brügmann, William F., Evanston, Ill. Printer's register hook. 1,839,464; Jan. 5.

Brügmann, William F., Evanston, Ill. Printer's register hook. 1,867,805; July 19.

Bruhn, Bruno, Bethlehem, Pa., assignor to the Firm of G. Polysius, Aktiengesellschaft, Dessau, Germany. Producing a lining for a rotary furnace. 1,869,237; July 26.

Bruhn, George. (See Braddock, W. J., Bruhn, and Haller.)

Bruijnes, Johannes and A. T. Van Urk, Eindhoven, Netherlands, assignors to Radio Corporation of America. Diaphragm or diaphragm mount for loud speakers or other sound reproducing devices. 1,877,504; Sept. 20.

Brumbaugh, Denford A., Evanston, assignor to North American Service Company, Chicago, Ill. Sign. 1,846,943; Feb. 23.

Brumbaugh, Denford A., Evanston, assignor to North American Service Company, Chicago, Ill. Sign. 1,853,847; Apr. 12.

Brunell, Harry F., assignor to The Stanley Works, New Britain, Conn. Portable motor driven saw. 1,850,444; Mar. 22.

Brunell, Ross E., Uvalde, Tex. Capsule gun. 1,868,308; July 19.

Brumm, Dean H., Lansing, Mich. Hand piece for dental tools. 1,875,559; Sept. 6.

Brumm, Emile, Lyon, France. Windshield wiper motor. 1,853,758; Apr. 12.

Brun, Willi, Krefeld, Germany, assignor to Remington Arms Company, Inc. Priming mixture. 1,887,919; Nov. 15.

Brundage, James W., assignor to The Summit Mold & Machine Company, Akron, Ohio. Safety lock for presses. 1,861,304; July 12.

Brundage, Seth W. (See Miller, C. F., and Brundage.)

Brunder, George G., et al. (See Clobecy, Leon G., assignor.)

Brune, Sivert O. (See Nelson, W. O., and Brune.)

Brune, William H., Chicago, Ill. Digging teeth and means for mounting them upon excavating implements. 1,885,826; Nov. 1.

Brunell, H. A. (See Roche, Clifton R., assignor.)

Bruner, Cecil U., and W. S. Laughridge, Marion, Kans. Sprocket and evener attachment for motor grader. 1,876,604; Sept. 13.

Bruner, H. G., Wakefield, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Solid rubber tire. 1,877,809; Sept. 20.

Bruner, Preston M., San Francisco, Calif. Ignition means for internal combustion engines. 1,868,275; July 19.

Bruner, S., Inc. (See Duerr, Charles, assignor.)

Bruner, Simon. (See Duerr, Charles, assignor.)

Brungardt, Alphonse O., Scituate, Mass. Making wrenches. 1,862,001; June 7.

Brungardt, Alphonse O., Brookline, Mass. Pipe wrench. 1,862,002; June 7.

Brunhoff, Edward J., Wyoming, Ohio. Advertising change tray. 1,839,948; Jan. 5.

Bruni, Giuseppe, and T. G. Levi, assignors to Societa Italiana Pirelli, Milan, Italy. Vulcanization of rubber. 1,886,636; Nov. 8.

Bruning, Charles, Company, Inc. (See Murck, Knud, assignor.)

Bruning, Charles, Company Inc. (See Murck, Knud, assignor.)

Bruning, Clarence A., Colfax, Wash. Floral rack or similar article. Des. 88,627; Dec. 13.

Brunk, Harold J. (See Lord, T., and Brunk.)

Brunk, Harold J., Chicago, Ill., assignor to C. F. Pease Company. Blue print machine. 1,839,642; Jan. 5.

Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Blue print and making the same. 1,861,298; May 31.

Brunk, Harold J., Chicago, Ill., assignor to C. F. Pease Company. Globe and carbon holder for arc lamps. 1,867,305; July 12.

Brunken, Johannes, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic gelatine layer. 1,870,354; Aug. 9.

Brunner, Arnold, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Aromatic halogen-methyl compound and preparing it. 1,887,398; Nov. 8.

Brunner, Charles C., Forest Hills, assignor to H. Noreck Co., Inc., Port Chester, N. Y. Cooking device. 1,865,354; June 28.

Brunner, Clarence H., Oakland, Calif., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism for hydraulic dredging apparatus. 1,842,537; Jan. 26.

Brunner, Earle M., assignor to Modern Specialties Company, Portland, Oreg. Combined comb and mirror. 1,845,233; Feb. 16.

Brunner, Heinrich, assignor to the Firm "Chemical Works Formerly Sandoz", Basel, Switzerland. Dyeing of chamois-leather. 1,841,007; Jan. 12.

Brunner, John, Chicago, Ill. Rail joint. 1,859,729; May 24.

Brunner, John, Chicago, Ill. Heat treatment of steel rails and shapes. 1,882,115; Oct. 11.

Brunner, Ludwig, Los Angeles, Calif. Connection. 1,873,281; Aug. 23.

Brunner, Walter. (See Herz, R., and Brunner.)

Brunner, Walter. (See Klerz, Schubert, and Brunner.)

Brunner, Walter. (See Ritter, H., and Brunner.)

Brunnschweiler, Werner, Hauptwil, Switzerland. Two-stage two-stroke internal combustion engine. 1,849,566; Mar. 8.

Bruno, Nicholas P., Erie, Pa. Flying machine safety device. 1,874,237; Aug. 30.

Bruns, George H., Rochy, Joseph F., assignor.)

Bruns, George H., Jamaica, N. Y. Aeroplane wing. 1,841,936; Jan. 19.

Bruns, Hermann, F. Baumann, and M. Kugel, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthrimido-carbazoles. 1,856,207; May 3.

Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Preparing organic acids and products. 1,889,347; Nov. 29.

Brason, Herman A., of Germantown, Pa., and J. D. Robinson, Audobon, N. J., assignors to The Resinous Products & Chemical Co. Inc., Philadelphia, Pa. Making heptaldehyde and undecylenic acid. 1,889,348; Nov. 29.

Brason, Herman A., Germantown, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Treating polymerizable unsaturated compounds. 1,892,161; Dec. 27.

Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)

Brunswick-Balke-Collender Company, The. (See de Correvont, Howard P., assignor.)

Brunswick-Balke-Collender Company, The. (See Kennedy, Robert E., assignor.)

Brunswick-Balke-Collender Company, The. (See Matteson, Jesse O., assignor.)

Brunswick-Kroeschell Company. (See Marshall, Henry H., assignor.)

Brunswick-Kroeschell Company. (See Smith, Romeyn L., assignor.)

Brunswick, Raymond, assignor to M. Rice Co., Philadelphia, Pa. Easel. 1,824,011; Jan. 19.

Brush, Alanson P., Detroit, Mich. Brake mechanism. Re18,423; Apr. 12.

Brush, Alanson P., Detroit, Mich. Internal combustion engine. 1,867,267; July 19.

Brush, Alanson P., Detroit, Mich. Purifier for lubricating systems. 1,868,814; July 26.

Brush, Alanson F., Detroit, Mich. Boat. 1,880,371; Oct. 4.

Brush, Alanson P., and W. A., Detroit, Mich. Motor car construction. 1,867,207; July 12.

Brush, Charles L., San Francisco, Calif. Cabinet. 1,839,643; Jan. 5.

Brush, Henry D., Detroit, Mich. Windshield wiper. 1,871,152; Aug. 9.

Brush, Frederick F. (See Whitson, D. A., Physioc, and Brush.)

Brush, William A. (See Brush, Alanson P. and W. A.)

Brusoe, Herman A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Preparation of halide addition products, polymers, and oxides of rubber. 1,846,247; Feb. 23.

Brusoe, Herman A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber conversion product and its preparation. 1,853,334; Apr. 12.

Brusoe, Herman A., assignor to Rohm & Haas Company, Philadelphia, Pa. Heavy metal keto-benzoates. 1,880,759; Oct. 4.

Brusoe, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Acid from petroleum hydrocarbons and producing same. 1,882,762; Oct. 18.

Bristle, Ferdinand, Nutley, N. J., assignor to V. C. Thorne, New York, N. Y. Apparatus for threading radio coil cores. 1,866,838; July 12.

Bruton, John D., Goldsboro, N. C. Planter. 1,853,759; Apr. 12.

Bruzzone, Luigi, assignor to R. A. Bandini, Genoa, Italy. Manufacture of glass-filled screw plug bases. 1,843,312; Mar. 8.

Bryan, Arthur W., Tacoma, Wash. Gasoline tank cap lock. 1,867,650; July 19.

Bryan, Cassius M., West Springfield, assignor to Strathmore Paper Company, Mitteneague, Mass. Method of and apparatus for applying designs to papers and the like. 1,883,526; Oct. 18.

Bryan, Charles S. (See Fiske, A. H., and Bryan.)

Bryan, Charles S., assignor to Rumford Chemical Works, Rumford, R. I. Processing of sludges and the like. 1,860,527; May 31.

Bryan, Floyd D., and J. Blauner, assignors to S. G. Adams Company, St. Louis, Mo. Traffic sign or signal. 1,874,884; Aug. 30.

Bryan, George A., Peru, Ind., assignor to Bryan Steam Corporation. Water heater. 1,882,116; Oct. 11.

Bryan, Harold W. (See Rudolph, H. V., and Bryan.)

Bryan, James E., Newark, N. J. Liquid separator. 1,871,281; Aug. 9.

Bryan, James S., et al. (See Giles, Dean R., assignor.)

Bryan, Joseph M., and B. Smartt, Indianapolis, Ind. Self lubricating bearing. 1,885,586; Nov. 1.

Bryan, Leon O., assignor to E. I. du Pont de Nemours & Company Wilmington, Del. Gelatinous explosive composition. 1,879,064; Sept. 27.

Bryan Steam Corporation. (See Bryan, George A., assignor.)

Bryan, Thomas E., Fort Worth, Tex. Fluid well construction. 1,840,694; Jan. 12.

Bryant, Arthur P. (See Corson, G. E., and Bryant.)

Bryant, C. L., Corporation. (See Bryant, Charles L., assignor.)

Bryant, Charles L., assignor to C. L. Bryant Corporation, Cleveland, Ohio. Control device. 1,865,672; July 5.

Bryant Chucking Grinder Company. (See Arms, Merton H., assignor.)

Bryant Chucking Grinder Company. (See Bryant, William J., assignor.)

Bryant, Edward C., Atlanta, Ga. Razor blade sharpener. 1,879,065; Sept. 27.

Bryant Electric Company, The. (See Both, Tonjes A., assignor.)

Bryant Electric Company, The. (See Johnson, George A., assignor.)

Bryant Electric Company, The. (See Von Hoorn, Fred G., assignor.)

Bryant Electric Company, The. (See Webster, Benjamin C., assignor.)

Bryant, Elmer J., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Screw extractor. 1,844,241; Feb. 9.

Bryant, Emory A., Washington, D. C. Fracture appliance. 1,865,827; July 5.

Bryant, Frank L., assignor, by mesne assignments, to Cellufoam Corporation, Chicago, Ill. Method of making layers of distended fibrous materials. 1,841,785; Jan. 19.

Bryant, Frank L., assignor, by mesne assignments, to Cellufoam Corporation, Chicago, Ill. Agitator. 1,850,199; Mar. 22.

Bryant, Frank L., assignor, by mesne assignments, to Cellufoam Corporation, Chicago, Ill. Making layers of distended fibrous material. 1,870,279; Aug. 9.

Bryant, George R., Lawrenceville, Ill., assignor to Henry Vogt Machine Company, Louisville, Ky. Rotary filter press. 1,887,798; Nov. 15.

Bryant Heater & Manufacturing Company, The. (See Stack, Willet E., assignor.)

Bryant, Howard D., and W. H. Sped, Bluefield, Va. Order and message hoop. 1,866,189; July 5.

Bryant, Knoles C., Los Angles, Calif. Automatic valve construction. 1,867,874; July 19.

Bryant, Lawrence R. (See Scott, F. E., and Bryant.)

Bryant, Martha M., Chicago, Ill., assignor to Juvenile Wood Products, Inc., Fort Wayne, Ind. Shield for boys' toilet seats. 1,879,066; Sept. 27.

Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing mechanism. 1,845,905; Feb. 16.

Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve operating mechanism. 1,861,095; May 31.

Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine control mechanism. 1,876,530; Sept. 6.

Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine control mechanism. 1,876,531; Sept. 6.

Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulating mechanism. 1,889,535; Nov. 29.

Bryant, Roy B., Dallas, Tex. Automatic operator. 1,852,692; Apr. 5.

Bryant, Roy B., Dallas, Tex. Automatic phonograph. 1,880,760; Oct. 4.

Bryant, Roy B., Dallas, Tex. Automatic sound reproducing apparatus. 1,883,527; Oct. 18.

Bryant, Thomas W., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Automatic accepting and rejecting machine. 1,846,016; Feb. 23.

Bryant, William J., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Work sizing. 1,872,667; Aug. 23.

Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine for operating in fractions. 1,839,372; Jan. 5.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,839,373; Jan. 5.

Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Computing machine. 1,850,577; Mar. 22.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Seal for scales. 1,853,199; Apr. 12.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing sealing device. 1,856,409; May 3.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale bearing. 1,856,410; May 3.

Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,866,995; July 12.

Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Electric control mechanism. 1,866,996; July 12.

Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, New York, N. Y. Printing pay roll clock. 1,866,997; July 12.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,870,233; Aug. 9.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,870,234; Aug. 9.

Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronizing clock. 1,875,800; Sept. 6.

Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronizing clock system. 1,875,801; Sept. 6.

Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company, Endicott, N. Y. Traffic signal. 1,876,201; Sept. 6.

Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Alphabetical code punching device. 1,880,408; Oct. 4.

Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Translating device for accounting machines. 1,830,409; Oct. 4.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Automatic control system for tabulators. 1,830,410; Oct. 4.
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Indicating device. 1,832,763; Oct. 18.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Electric transfer for tabulating machines. 1,832,764; Oct. 18.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Automatic control system. 1,832,765; Oct. 18.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism for tabulating machines. 1,832,766; Oct. 18.
Bryden, William L., Cleveland, Ohio. Adjustable reclining chair. 1,864,798; June 28.
Brydes, William, and S. C. Foster, assignors to Bedford Pulp & Paper Company, Inc., Big Island, Va. Making wood pulp. 1,846,944; Feb. 23.
Brydle, Fenton R., Jamaica, N. Y., assignor, by mesne assignments, to The Barrett Company, Leasing Corporation, Boston, Mass. Shingle. 1,877,222; Sept. 13.
Brykczynski, Charles, Brooklyn, and Julius Chmurzynski, Astoria, N. Y. Pastry and loading means for bakery products or the like. 1,882,238; Oct. 11.
Brylka, Joseph S., Du Bois, Pa. Aeroplane construction. 1,857,676; Nov. 1.
Bryner, Fred. (See Britton, E. C., and Bryner.)
Bryner, Fred, assignor to The Dow Chemical Company, Midland, Mich. Heat treating. 1,852,231; Apr. 5.
Bryner, Fred, assignor to The Dow Chemical Company, Midland, Mich. Preparation of aryl phosphates. 1,866,862; May 3.
Bryson, Frank, administrator. (See Kageyama, Hosaku.)
Bryson, Kenneth D., Cleveland Heights, Ohio, assignor to Radio Corporation of America, New York, N. Y. Sound reproducer. 1,863,721; Apr. 3.
Bryson, Vergne T., assignor to Dearborn Chemical Company, Chicago, Ill. Apparatus for treating water for steam boilers. 1,861,755; June 7.
Bryson, Vergne A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Safety guard for centrifugal extractors. 1,841,086; Jan. 12.
Bryson, Vergne A., assignor, by assignor, by mesne assignments, to Tolhurst Machine Works, Inc. Driving mechanism. 1,866,291; July 5.
Bryte, A. L., et al., trustees. (See Hanke, Julius F., assignor.)
Bsteh, Rudolf, Vienna, Austria. Die lapping and grinding machine. 1,855,178; Nov. 1.
Bub, Leopold. (See Orr, M., and Bub.)
Bubar, Hudson H., Brooklyn, N. Y. Separator system. 1,855,381; Apr. 26.
Bubblestone Company, The. (See Rice, John A., assignee.)
Bublitz, Harry W., et al. (See Brown, Robert P., assignor.)
Buc, Byrm E., Roselle, N. J., assignor to Standard Oil Development Company. Oil-soluble-dye and making the same. 1,841,876; Jan. 19.
Buc, Byrm E., Roselle, N. J., assignor to Standard Oil Development Company. Reacting upon gases in an inert menstruum. 1,843,862; Feb. 2.
Bucaro, Salvatore, Brooklyn, N. Y., assignor to Consolidated Macaroni Machine Corporation. Conveyer for preliminary drying of short macaroni. 1,842,245; Jan. 19.
Buccicone, Dario, Gary, Ind. Pack opening machine. 1,868,624; July 26.
Buccicone, Dario, Gary, Ind., assignor to American Sheet and Tin Plate Company. Hot mill catcher. 1,847,811; Mar. 1.
Buccicone, Dario, Gary, and R. E. Peterson, Aetna, Ind., assignors to American Sheet and Tin Plate Company. Shears. 1,852,327; Dec. 27.
Buccini, Hugh A., Port Jervis, and S. H. Barnes, New Rochelle, assignors to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Shade or similar article. Des. 87,102; June 7.
Buchan, Andrew G., assignor to Leitelt Iron Works, Grand Rapids, Mich. Cutter for woodworking machines. 1,861,787; June 7.
Buchan, Andrew G., and I. J. Lyons, assignors to Leitelt Iron Works, Grand Rapids, Mich. Tenoning machine. 1,844,057; Feb. 9.
Buchan, Andrew G., and I. J. Lyons, assignors to Leitelt Iron Works, Grand Rapids, Mich. Mortising machine. 1,861,786; June 7.
Buchan, Hugh G., Philadelphia, Pa. Addendum sheet holder. 1,844,004; Feb. 9.
Buchan, Hugh G., Philadelphia, Pa. Binder. 1,851,975; Apr. 5.
Buchanan, Charles A., Plain City, Ohio, assignor, by mesne assignments, to The Griswold Manufacturing Company, Erie, Pa. Hair waver. 1,858,851; May 17.
Buchanan, Charles C., assignor to Meese, Inc., Madison, Ind. Shipping jacket. 1,871,153; Aug. 9.
Buchanan, Frank. (See Shaw, B. R., and Buchanan.)
Buchanan, Frank L., San Francisco, assignor to A. A. Hobe, Alameda, Calif. Rock breaker. 1,864,973; June 28.
Buchanan, George W., Peekskill, N. Y. Coating and doubling apparatus. 1,867,875; July 19.
Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Making dithiophosphates and compositions containing same. 1,863,192; July 19.
Buchanan, Hugh G., Philadelphia, Pa. Binder and making the same. 1,889,536; Nov. 29.
Buchanan, John, et al. (See Howard, Jesse R., assignor.)
Buchanan, John C. (See Morley, H., Buchanan, and Sickelsteel.)
Buchanan, John H., and J. H. Toulouse, Ames, Iowa, assignors to American Bottlers of Carbonated Beverages. Clarifying and recovering caustic soda content of deteriorated alkaline solutions. 1,861,950; June 7.
Buchanan, Paul H. (See Jones, Hilton L., assignor.)
Buchanan, Pearl, et al. (See Smith, Clarence W., assignor.)
Buchanan, Stephen N., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Fixture support. 1,843,201; Feb. 2.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 1,843,202; Feb. 2.
Buchanan, Stephen N., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Box support. 1,847,169; Mar. 1.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Flexible staple. 1,855,471; Apr. 26.
Buchanan, Stephen N., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Adjustable supporting means. 1,855,751; Apr. 26.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding clamp. 1,864,292; June 21.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Floor box. 1,869,841; Aug. 2.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Conduit support. 1,872,061; Aug. 16.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Supporting device. 1,874,435; Aug. 30.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe support. 1,879,754; Sept. 20.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Fixture support. 1,881,998; Oct. 11.
Buchanan, Stephen N., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding device. 1,885,227; Nov. 1.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,885,228; Nov. 1.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding fitting. 1,887,193; Nov. 8.
Buchanan, Vita, New York, N. Y. Corset. 1,859,550; May 24.
Buchanan, Vita, New York, N. Y. Bust-supporting garment. 1,863,830; June 21.
Buchanan, William E., assignor to Appleton Wire Works, Inc., Appleton, Wis. Loom apparatus. 1,871,255; Aug. 9.
Buchanan, William J., North Chelmsford, Mass. Flying machine. 1,840,152; Jan. 5.
Buchbinder, Philip, assignor to Terri Cosmetics Corporation, New York, N. Y. Bottle or similar article. Des. 86,595; Mar. 29.
Buchelster, Paul, assignor to The Sterling Grinding Wheel Company, Tiffin, Ohio. Grinding wheel. 1,868,492; July 26.
Bucherer, Hans T., Munich, Germany. Carrying out chemical reactions. 1,843,012; Jan. 26.
Buchert, Harry, et al. (See Drake, Ernest B., assignor.)
Buchert, Harry. (See Drake, W. C., and Friebe.)
Buchet, Conrad R., Long Beach, Calif., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Connecter for nipples. 1,847,379; Mar. 1.
Buchet, Conrad R., Long Beach, Calif., assignor, by mesne assignments, to Alemite Corporation. Greasing apparatus. 1,852,001; Apr. 5.
Buchet, Conrad R., Long Beach, Calif., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Grease gun. 1,856,272; May 3.
Buchet, Conrad R., Long Beach, assignor to Adjusto Equipment Company, Los Angeles, Calif. Sealing means for submersible motors. 1,867,540; Nov. 15.
Buchhold, Theodor, Mannheim-Neuostein, Germany. Rotating magnet. 1,852,232; Apr. 5.
Buchi, Alfred, Winterthur, Switzerland. Internal combustion engine provided with exhaust turbines and compressors. 1,849,170; Mar. 15.
Buchi, Alfred, Winterthur, Switzerland. Controlling and regulating device for compound internal combustion engines with exhaust turbines. 1,856,024; Apr. 26.
Buchi, Alfred, Winterthur, Switzerland. Internal combustion engine. 1,859,093; May 24.
Büchi, Alfred, Winterthur, Switzerland. Double acting internal combustion engine with exhaust turbines and charging air compressors. 1,860,449; May 31.

Büchi, Alfred, assignor to Swiss Locomotive and Machine Works, Winterthur, Switzerland. Packing cylinder liners. 1,860,769; May 31.

Buchina, Joseph. (See Koch, L. B., and Buchina.)

Buchi, Alexander, Corstwood, N. Y., assignor to Alexander of New York, Inc., Hot Springs, Va. Mechanism for waving hair. 1,860,352; May 31.

Buchli, Jacob, Winterthur, Switzerland. Coupling. 1,873,953; Aug. 30.

Buchloh, Hans, Leverkusen-on-the-Rhine, W. Mieg, Opladen, near Cologne-on-Rhine, and W. Stoetzer, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing monobenzoyldiamino-anthraquinone. 1,867,057; July 12.

Buchloh, Hans, Leverkusen-on-the-Rhine, W. Mieg, Opladen, near Cologne-on-the-Rhine, and W. Stoetzer, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing monobenzoyldiamino-anthraquinones. 1,867,058; July 12.

Buchmann, Edward G., Detroit, Mich. Piston ring. 1,855,200; Apr. 12.

Buchmann, Edward G., East St. Louis, Ill. Expander spring for piston rings. 1,887,257; Nov. 8.

Buchmüller, Alfred, near Trier, Germany, assignor of forty per cent to P. Zettelmeyer, Conz, twenty per cent to Mrs. M. Weber, twenty per cent to Mrs. Dr. E. Bischer, Trier, and twenty per cent to Mrs. Dr. H. Corsten, Berlin-Lichterfelde, Germany. Centering gauge. 1,846,787; Feb. 23.

Büchner, Carl, assignor to Papyrus A. G., Mannheim-Waldhof, Germany. Paper making machine. 1,876,563; Sept. 13.

Büchner, Carl T., Rudolstadt, Germany. Container for toilet preparations. 1,867,404; July 12.

Büchner, Karl, Vienenburg, assignor to Preussische Bergwerks- und Hütten-Aktiengesellschaft, Berlin, Germany. Extraction and manufacture of sulphate of potassium from calcium-containing sulphates. 1,854,687; Apr. 19.

Buchner, Max, Bunzlauer-Siegfeld, Germany. Production of alkali metal hydroxide by conversion of alkali metal salts with alkaline earth metal hydroxide. 1,851,418; Mar. 29.

Buchser, John J., Phoebus, Va. Windmill. 1,855,220; Apr. 26.

Buchstab, Ferdinand, Minneapolis, Minn. Device for applying plaster to bandages. 1,855,905; Apr. 26.

Büchter, Jan, Berlin, Germany, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Total printing mechanism. 1,854,177; Apr. 19.

Buchwald, Reinhard, Dusseldorf-Rath, Germany. Rolling mill. 1,849,973; Mar. 15.

Buchwald, Reinhard, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Color lake. 1,880,761; Oct. 4.

Buck, Ainsworth, East Orange, N. J. Safety anchor. 1,883,761; Oct. 18.

Buck, Arthur W., assignor to Buck X-Ograph Company, St. Louis, Mo. Photographic film drier. 1,858,947; Nov. 22.

Buck, Benjamin L., Lineboro, Md. Bean nipping machine. 1,852,861; Oct. 5.

Buck, Charles M., Brooklyn, N. Y. Feeding finely comminuted fuel into a combustion chamber. 1,891,886; Dec. 20.

Buck, David. (See Sandig, M., and Buck.)

Buck, Dewitt. (See Williams, Josh F., assignor.)

Buck Dryer Corporation. (See Buck, Lucien A., assignor.)

Buck, Everett S., assignor, by mesne assignments, to The Edwards Manufacturing Co., Cincinnati, Ohio. Humidifying air. 1,877,223; Sept. 13.

Buck, Fred, assignor to Liffiin Rule Co., Saginaw, Mich. Folding gauge. 1,885,969; Nov. 15.

Buck, Homer W., assignor to The Morgan Engineering Company, Alliance, Ohio. Car pusher and transfer. 1,869,647; Aug. 2.

Buck, Howard T., Cedar Knolls, N. J., assignor to T. S. Buck Manufacturing Company, New York, N. Y. Poster and easel. 1,846,988; Feb. 23.

Buck, Lucien A., Mount Vernon, N. Y., assignor of one-half to Buck Dryer Corporation, Manchester, Conn. Conveyer. 1,883,528; Oct. 18.

Buck, Otto E. (See Vendaff, R. R. W., and Buck.)

Buck, Ronald, Manchester, England. Diving raft. 1,886,522; Nov. 8.

Buck, Russell E., Vicksburg, Mich. Tire valve stem. 1,865,231; June 28.

Buck, T. S., Manufacturing Company. (See Buck, Howard T., assignor.)

Buck X-Ograph Company. (See Buck, Arthur W., assignor.)

Buckaert, William, and R. M. Parsons, Denver, said Parsons assignor of one-half of his entire right to William C. Candler, Littleton, Colo. Variable speed reducer. 1,869,662; Aug. 2.

Buckbee, Charles E., B. S. Cochran, White Bear Lake, and E. M. Johnson, St. Paul, Minn., assignors, by mesne assignments, to Daniels Manufacturing Company, Rhinelander, Wis. Wrapping paper or similar article. Des. 85,908; Jan. 5.

Buckels, Christopher C., assignor, by mesne assignments, to Chicago Mechanical Manufacturing Co., Chicago, Ill. Outlet box and hanger and making the same. 1,888,161; Nov. 1.

Buckett, Stanley G. (See Prentice, A. L., Buckett, and Dibble.)

Buckeye Aluminum Company. (See Fabens, Andrew L., assignor.)

Buckeye Aluminum Company, The. (See Porter, Kirk E., assignor.)

Buckeye Blower Company. (See Davis, H. C., and Harnett, assignors.)

Buckeye Blower Company, The. (See Harnett, Lewis D., assignor.)

Buckeye Blower Company, The. (See Harnett, L. D., and Davis, assignors.)

Buckeye Blower Company, The. (See Henshall, Percival P., assignor.)

Buckeye Hat Machine Company, The. (See Dexter, George N., assignor.)

Buckeye Incubator Manufacturing Company, The. (See Schafer, Carl A., assignor.)

Buckeye Incubator Manufacturing Company, The. (See Sturgis, La Verne C., assignor.)

Buckeye Incubator Manufacturing Company, The. (See Sturgis, L. C., and Crain, assignors.)

Buckeye Jack Manufacturing Company, The. (See Clark, Harold W., assignor.)

Buckeye Jack Manufacturing Company, The. (See Wiard, George W., assignor.)

Buckeye Portable Tool Company, The. (See Price, W. W., and Ripsch, assignors.)

Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)

Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)

Buckeye Steel Castings Company, The. (See Johnson, G. T., and Pflander, assignors.)

Buckeye Steel Castings Company, The. (See McPherson, John S., assignor.)

Buckeye Steel Castings Company, The. (See Pierce, G. S., and Chittum, assignors.)

Buckeye Steel Castings Company. (See Speck, W. C., and Barker, assignors.)

Buckeye Steel Castings Company, The. (See Spiller, G. A., and Johnson, assignors.)

Buckeye Steel Castings Company, The. (See Stertzbach, Harry W., assignor.)

Buckeye Steel Castings Company, The. (See Thomas, A. H., and Wolfe, assignors.)

Buckeye Steel Castings Company, The. (See Wolfe, Harry H., assignor.)

Buckeye Traction Ditcher Company, The. (See George, Charles L., assignor.)

Buckeye Traction Ditcher Company, The. (See George, C. L., and Van Voris, assignors.)

Buckeye Traction Ditcher Company, The. (See Vaughn, G. A., and George, assignors.)

Buckeye Twist Drill Company, The. (See Rodman, Clarence J., and Dunmire, assignors.)

Buckeye Twist Drill Company, The. (See Rodman, C. J., and Dunmire, assignors.)

Buckingham, Stephen A. (See Pierce, G. W., and Buckingham.)

Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Roller bearing journal box. 1,864,337; June 21.

Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Side frame. 1,872,882; Aug. 23.

Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock absorbing mechanism. 1,873,540; Aug. 23.

Buckius, Albert O., assignor to National Malleable Steel Castings Company, Cleveland, Ohio. Roller bearing journal box. 1,873,541; Aug. 23.

Bucklein, Frank P., Los Angeles, Calif. Olla cleaning machine. 1,879,067; Sept. 27.

Bucklen, Herbert E., Elkhart, Ind., assignor to Herbert E. Bucklen Corporation. Impeller. 1,878,816; Sept. 20.

Bucklen, Herbert E., Corporation. (See Bucklen, Herbert E., assignor.)

Buckley, Helen M., Westport, Conn. Pad for invalid cushions. 1,886,637; Nov. 8.

Buckley, James R., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl ether ethylene glycol esters of fatty acids. 1,869,660; Aug. 2.

Buckley, Jerry J., Bridgewater, N. Y. Condiment holder. 1,879,731; Sept. 27.

Buckley, John A., Portland, Oreg., assignor of one-half to M. Marchwicke, Lake Geneva, Wis. Choker hook. 1,864,974; June 28.

Buckley, John J., Boston, Mass., assignor, by mesne assignments, to Firebar Corporation, Cleveland, Ohio. Fuel grate. 1,884,557; Oct. 25.

Buckley, John P., Washington, D. C. Aeronautical instructing device. 1,865,828; July 5.

Buckley, Leo J., Binghamton, N. Y. Sound board. 1,870,171; Aug. 2.

Buckley, Matthew J., Milwaukee, Wis. Clothes assembling rack. 1,856,239; May 3.

Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling cable. 1,880,764; Oct. 4.

Buckley, Phillip F., Los Angeles, Calif., assignor to Ohmer Fare Register Company, Dayton, Ohio. Means to prevent the passage of grease. 1,874,885; Aug. 30.

Buckley, Harrison, Rochester, N. Y. Holder and file for sheet material. 1,848,694; Mar. 8.

Buckman, Henry H., Jacksonville, Fla., assignor of one-half to R. L. O'Brien, Buffalo, N. Y. Apparatus for correlating spaced points of observation. 1,871,877; Aug. 16.

Bucknam, James H. (See Jones, G. Q., and Bucknam.)

Bucknell, Ernest H. (See Bietcher, R. E., and Bucknell.)

Buckner, Henry K. (See Rowan, W. H., and Buckner.)

Buckner, Robert B., Iraan, Tex. Cotton picking machine. 1,880,762; Oct. 4.

Buckner, William A., Fresno, Calif. Vibration creating means. 1,864,975; June 28.

Buckwalter, Abraham L., et al. (See Damon, George B., assignor.)

Buckwalter, Jacob S., Philadelphia, assignor to J. R. Hershey, Kinzers, Pa., Nut cracker. 1,883,529; Oct. 18.

Buckwalter, Joseph A., et al. (See Damon, George B., assignor.)

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage and assembling same. 1,846,836; Feb. 23.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Making piston rings. 1,856,240; May 3.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle housing. 1,860,702; May 31.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing car wheel. 1,876,564; Sept. 13.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Separable drill bit. 1,876,565; Sept. 13.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck side frame. 1,877,740; Sept. 13.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle bearing mounting. 1,885,985; Nov. 1.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Nut locking device. 1,888,657; Nov. 22.

Bucky, Gustav, New York, N. Y., assignor to Roefinag, Aktiengesellschaft. Viewing box for observing translucent images. 1,868,521; July 26.

Bucy, Edmond H., Waukegan, Ill. Rubbing coated surfaces. 1,879,124; Sept. 27.

Bucyrus-Erie Company. (See Fykse, Mitchell L., assignor.)

Bucyrus-Erie Company. (See Lehman, Werner, assignor.)

Bucyrus-Erie Company. (See Wright, Charles G., assignor.)

Buda Company, The. (See Gormley, Frank L., assignor.)

Buda Company, The. (See Kastler, Edward L., assignor.)

Buda Company, The. (See Miller, Claud T., assignor.)

Budd, Edward G. (See Eksergian, C. L., and Budd.)

Budd, Edward G., Manufacturing Co. (See Bettle, Griscom, assignor.)

Budd, Edward G., Manufacturing Company. (See Coyle, James E., assignor.)

Budd, Edward G., Manufacturing Company. (See Eksergian, Carolus L., assignor.)

Budd, Edward G., Manufacturing Co. (See Hanson, Arthur F., assignor.)

Budd, Edward G., Manufacturing Company. (See Kelley, George L., assignor.)

Budd, Edward G., Manufacturing Co. (See Ledwinka, Joseph, assignor.)

Budd, Edward G., Manufacturing Co. (See Ledwinka, J., and Ragsdale, assignors.)

Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)

Budd, Edward G., Manufacturing Company. (See Meinel, William J., assignor.)

Budd, Edward G., Manufacturing Co. (See Ragsdale, Earl J. W., assignor.)

Budd, Edward G., Manufacturing Co. (See Ruehlmann, Louis E., assignor.)

Budd, Edward G., Manufacturing Company. (See Tarbox, John P., assignor.)

Budd, Edward G., Manufacturing Company. (See Trautvetter, George, assignor.)

Budd, Edward G., Manufacturing Company. (See Uxley, Warren S., assignor.)

Budd, Howard L., assignor to Friedman Silver Co., Inc., Brooklyn, N. Y. Frame tab. 1,851,492; Mar. 29.

Budd, Howard L., assignor to Friedman Silver Co., Inc., Brooklyn, N. Y. Back for picture frames. 1,857,937; May 24.

Budd, James E., Battle Ground, Wash. Carrying bag. 1,846,542; Feb. 23.

Budd Wheel Company. (See Barber, James H., assignor.)

Budd Wheel Company. (See Begg, Russell S., assignor.)

Budd Wheel Company. (See Board, Edward, assignor.)

Budd Wheel Company. (See Crews, Maurice A., assignor.)

Budd Wheel Company. (See Davenport, Talmon A., assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Budd Wheel Company. (See Eksergian, C. L., and Budd, signors.)

Budd Wheel Company. (See Eksergian, C. L., and Davenport, assignors.)

Budd Wheel Company. (See Eksergian, C. L., and Gaensslen, assignors.)

Budd Wheel Company. (See Eksergian, C. L., and Tarbox, assignors.)

Budd Wheel Company. (See Hughes, James W., assignor.)

Budd Wheel Company. (See Hunt, J. Harold, assignor.)

Budd Wheel Company. (See Kelley, G. L., and Eksergian, assignors.)

Budd Wheel Company. (See Nelson, Emil A., assignor.)

Budd Wheel Company. (See Ragsdale, Earl J. W., assignor.)

Budd Wheel Company. (See Reed, George B., assignor.)

Budd Wheel Company. (See Rosenberg, Ralph H., assignor.)

Budd Wheel Company. (See Tarbox, John P., assignor.)

Budd Wheel Company. (See Tarbox, J. P., and Farr, assignors.)

Budd Wheel Company. (See Wentworth, Robert, assignor.)

Budd Wheel Company. (See Wiles, Charles L., assignor.)

Budde, Anna M., Madison, S. Dak. Pool ball rack. 1,848,460; Mar. 8.

Buddenbrock, Charles V., Trinidad, Colo. Theftproof gasoline tank. 1,862,815; June 14.

Buddenhagen, Charles F., Providence, R. I., assignor to C. G. Buddenhagen, Atlantic, Mass. Sprayer. 1,873,817; Aug. 23.

Buddenhagen, Cletus G. (See Buddenhagen, Charles F., assignor.)

Budenz, Carl, Frankfort-on-the-Main-Sud, Germany, Carriage for articulated trains. 1,875,214; Aug. 30.

Budge, Newell R., Paris, Idaho. Level. 1,855,664; Apr. 26.

Budin, Richard B., Brooklyn, assignor of one-half to R. Haizel, Brooklyn, N. Y. Indoor clothes drier. 1,846,085; Feb. 23.

Budnik, Cass A., Rockport, Wash. Self-supporting dambuilding tower and process. 1,876,040; Sept. 6.

Budny, Maciej, Cleveland, Ohio. Garment manufacture and the like. 1,844,201; Feb. 9.

Buechner, Guenther, Scotia, N. Y., assignor to General Electric Company. Gas tight seal. 1,858,070; Nov. 15.

Buecker, Fred W., Jr., Springfield, Ill. Bracket. 1,862,466; June 7.

Buegeleisen, Nathan, Norwood, Ohio. Novelty golf game toy. Des. 88,071; Oct. 25.

Buehler, Harry, Jr. (See Chattillion, August J., assignor.)

Buehler, Leon, jr., and W. H. Aubrey, assignors to Frick Company, Waynesboro, Pa. Refrigerating system. 1,857,078; May 3.

Buehler, Leon, jr., and C. J. Romberg, assignors to Frick Company, Waynesboro, Pa. Bleeder for air headers. 1,856,649; July 5.

Buehler, Randolph J., Boston, Mass. Valve actuating mechanism. 1,878,106; Sept. 20.

Buehler, Walter A., Cucamonga, Calif. Check valve. 1,879,890; Sept. 27.

Buehner, Christian, Milwaukee, Wis. Padlock. 1,849,070; Mar. 15.

Buehrer, Emil, Green Bay, Wis. Humidifying device for hot air furnaces. 1,878,817; Sept. 20.

Buehrig, Gordon M., Indianapolis, Ind., assignor to Manning & Co., Chicago, Ill. Combined automobile radiator and front. Des. 88,753; Dec. 27.

Buehring, William J., Chicago, Ill. Cable grip. 1,851,153; Mar. 29.

Buel, Hillhouse, New York, N. Y., assignor, by mesne assignments, of one-half to L. L. Hammond and W. P. Hammond, jr. Concentrated beam light. 1,870,671; Aug. 9.

Buel, James F., Woburn, Mass. Turf roller. 1,866,998; July 12.

Buell Combustion Company Limited, The. (See Green, E. W., Unthank, and Dunn, assignors.)

Buell, Frank L., assignor to The Carborundum Company, Niagara Falls, N. Y. Roll scouring block. 1,864,581; June 28.

Buenger, Clarence O., assignor to Hills-McCanna Company, Chicago, Ill. Liquid pump. 1,858,184; May 10.

Buenger, Clarence O., assignor to Hills-McCanna Company, Chicago, Ill. Liquid pump. 1,858,185; May 10.

Buenger, Clarence O., assignor to Hills-McCanna Company, Chicago, Ill. Check valve. 1,892,649; Dec. 27.

Buenger, Edward, assignor to Wilson-Jones Company Chicago, Ill. Magazine or catalogue binder. 1,880,763; Oct. 4.

Buenger, Edward F., assignor to Wilson-Jones Company, Chicago, Ill. Expansible post binder. 1,846,788; Feb. 23.

Buenaad, Alfred C., New York, N. Y., assignor, by mesne assignments, to Auditorium Ventilating Corporation, Jersey City, N. J. Method of and apparatus for controlling temperature and humidity. 1,840,565; Jan. 12.

Buente, Charles F., Pittsburgh, Pa. Shaping machine. 1,847,078; Mar. 1.

Buente, Charles F., assignor to Concrete Products Company, Pittsburgh, Pa. Reenforced concrete pipe. 1,869,183; July 26.

Buerger, Charles B., assignor to Gulf Refining Company, Pittsburgh, Pa. Liquid cooled stuffing box. 1,859,378; May, 24.
Buermann, Albert H. (See Ruth, A. J., and Buermann.)
Buesch, Andrew P. (See Freeman, L. C., and Buesch.)
Buesser, Frederick, Guttenberg, N. J. Embroidery thread cutting machine. 1,860,528; May 31.
Buettell, Marc A., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Coupling. 1,857,081; Nov. 8.
Buettell, Samuel E., assignor to Cross Parking Systems, Inc., Chicago, Ill. Door operator. 1,857,938; May 10.
Buettell, Samuel E., assignor to Cross Parking Systems, Inc., Chicago, Ill. Vehicle storage system. 1,864,711; June 28.
Buettell, Samuel E., assignor to Cross Parking Systems, Inc., Chicago, Ill. Vehicle storage system. 1,891,795; Dec. 20.
Buettgenbach, Erich. (See Brode, J., Wurster, and Buettgenbach.)
Buettner, Raymond J. (See Full, G. D., Neitz, Muntner, Buettner, and Birbaum.)
Buettner, Rudolph W. (See Zoerb, H. M., and Buettner.)
Buettner, William J., assignor of one-half to A. Goldman, Detroit, Mich. Keyless lock mechanism. 1,843,013; Jan. 26.
Buff, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)
Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)
Buffalo Co-Operative Stove Co. (See Breitwieser, Edward, assignor.)
Buffalo Forge Company. (See Cheyney, Charles C., assignor.)
Buffalo Forge Company. (See Criqui, A. A., and Thornton, assignors.)
Buffalo Forge Company. (See Madison, Richard D., assignor.)
Buffalo Forge Company. (See Yates, Arthur T., assignor.)
Buffalo Foundry & Machine Company. (See Kermer, Martin J., assignor.)
Buffalo Pottery Company. (See Bown, Lewis H., assignor.)
Buffalo Pressed Steel Co. (See Haas, Lucien L., assignor.)
Buffalo-Springfield Roller Co., The. (See Aitken, Andrew W., assignor.)
Buffalo-Springfield Roller Co., The. (See Harris, Ray L., assignor.)
Buffalo Steam Pump Company. (See Klosson, Michael M., assignor.)
Buffalo Wire Works Co. (See Scheeler, Charles A., assignor.)
Buffington, Harry C., assignor to The Baker Manufacturing Company, Springfield, Ill. Scraper or grader. 1,859,496; May 24.
Buffington, Malcolm, Roselle Park, assignor to Lea Fabrics, Inc., Newark, N. J. Composite fabric and method and apparatus for making the same. 1,844,838; Feb. 9.
Bufmyer, Edward D., and O. Helstrom, Willapa, Wash. Toilet. 1,859,127; May 17.
Bugatti, Ettore, Molsheim, France. Suspension arrangement for vehicles. 1,850,259; Mar. 22.
Bugatti, Ettore, Molsheim, France. Brake. 1,860,770; May 31.
Bugatti, Ettore, Molsheim, France. Vibration damper. 1,860,771; May 31.
Bugatti, Ettore, Molsheim, France. Crank shaft bearing. 1,869,937; July 26.
Bugbee, Lucian W., jr., assignor, by mesne assignments, to George C. Forrey, jr., Indianapolis, Ind. Making multifocal lens. 1,843,758; Feb. 2.
Bugbee, Lucian W., jr., assignor, by mesne assignments, to Continental Optical Manufacturing Company, Indianapolis, Ind. Multifocal lens. 1,869,461; Aug. 2.
Bugbee & Niles Company. (See King, Rufus, assignor.)
Bugbird, Herbert C. (See Lester, Robert E., assignor.)
Bugg, Kenly C., St. Louis, Mo. Bearing. 1,855,440; Apr. 26.
Bugg, Kenly C., St. Louis, Mo. Striping device. 1,882,767; Oct. 18.
Bugg, Kenly C., St. Louis, Mo. Dispenser for nails, tacks, etc. 1,882,768; Oct. 18.
Bugg, Kenly C., St. Louis, Mo. Polishing machine. 1,882,769; Oct. 18.
Bugg, Kenly C., St. Louis, Mo. Striping device. 1,882,770; Oct. 18.
Bugg, Kenly C., assignor to Ozark Novelty Company, Farmington, Mo. Coin control mechanism. 1,839,736; Jan. 5.
Bugg, Viele J., Chicago, Ill. Stabilizer. 1,844,270; Feb. 9.
Buggeln & Smith. (See Smith, Carlton H., assignor.)
Buholzer, Joseph, assignor of one-fifth to P. J. Huttenlocher, Nueva Gerona, Isle de Pinos, Cuba. Photographic film. 1,854,102; Apr. 12.
Buhr, Joseph F., Ann Arbor, Mich. Collet means. 1,845,123; Feb. 16.
Buhr, Joseph F., Detroit, Mich. Drilling machine. 1,872,400; Aug. 16.
Buhr, Victor, Larchmont, assignor to Equity Construction Company, Inc., New York, N. Y. Refrigerating method and apparatus. 1,865,168; June 28.
Buhrke, Alfred E., and A. F. Heeter, Chicago, Ill., assignors to R. H. Buhrke Company. Golf club. 1,859,743; Dec. 6.
Buhrke, R. H., Company. (See Buhrke, A. E., and Heeter, assignors.)
Buhrle, Joseph H., Yukon, Pa. Reel construction. 1,854,103; Apr. 12.
Buhrle, Paul, Bronx, N. Y. Clock case. Des. 88,141; Nov. 1.
Buicke, Harold C., North Tonawanda, N. Y. Amusement device. 1,854,978; Apr. 19.
Builders Iron Foundry. (See Huxford, G. T., and Stratton, assignors.)
Builders Iron Foundry. (See Kuen, Joseph, assignor.)
Builders Iron Foundry. (See Smith, Ed S., jr., assignor.)
Builders' Patent Scaffolding Company. (See Kingston, Thomas H., assignor.)
Builders' Patent Scaffolding Company. (See Kingston, T. H., and Norman.)
Building Products Limited. (See Odell, Leslie S., assignor.)
Buisset, André P., Mezieres, France. Tightening device. 1,883,530; Oct. 18.
Bukolt, Roman B., Stevens Point, Wis. Roller bearing unit for wheels. 1,861,205; May 31.
Bukolt, Roman B., Stevens Point, Wis. Toy vehicle. 1,874,436; Aug. 30.
Bukolt, Roman B., Stevens Point, Wis. Toy vehicle. 1,874,437; Aug. 30.
Bukovitz, Joseph J., Chicago, Ill. Toilet seat appliance. 1,849,295; June 14.
Bulask, Francis J., assignor of one-half to G. W. Batchelt, and P. G. Schwalbe, Toledo, Ohio. Melting glass. 1,877,714; Sept. 13.
Bulbrook, Harry M. (See Hogan, Francis W., and Bulbrook.)
Bulbrook, George F., Los Angeles, Calif. Fire alarm mechanism. 1,857,040; May 3.
Bulger, Michael B., Beaver Dam, Wis. Snow shovel. 1,849,171; Mar. 15.
Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Air heater and making the same. 1,841,361; Jan. 19.
Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Refrigerating apparatus. 1,859,427; May 24.
Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Welded heater assembly of aluminum or the like. 1,871,256; Aug. 9.
Bulkeley, Houghton. (See La Pointe, Albert A., assignor.)
Bulkley, Olcott R., Long Beach, Calif. Controller. 1,851,154; Mar 29.
Bulkley, Rollo C., Buhl, Idaho. Drawbar. 1,855,513; Apr. 26.
Bull, Arthur A., assignor to Handy Cleaner Corporation, Detroit, Mich. Oil filter. 1,840,153; Jan. 5.
Bull, Arthur A., Detroit, Mich. Air cleaner. 1,843,091; Jan. 26.
Bull, Arthur A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for forming and controlling the circulation of air in internal combustion engines. 1,872,668; Aug. 23.
Bull, Arthur A., and W. A. Wood, assignors to Handy Governor Corporation, Detroit, Mich. Electric switch. 1,890,842; Dec. 13.
Bull, Arthur W. (See Ramsey, E. R., and Bull.)
Bull, Arthur W. (See Ramsey, E. R., and Bull, assignors.)
Bull, Arthur W., Naugatuck, assignor to Rubber Regenerating Company, New Haven, Conn. Reclaiming vulcanized rubber fiber products. 1,880,372; Oct. 4.
Bull, Clinton H. M., Houston, Tex. Drill. 1,876,041; Sept. 6.
Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Antifriction device. 1,888,216; Nov. 22.
Bullard Company, The. (See Bullard, Edward P., jr., assignor.)
Bullard Company, The. (See Conley, Kurt H., assignor.)
Bullard Company, The. (See Dunn, Thomas E., assignor.)
Bullard Company, The. (See Johnson, Ernest H., assignor.)
Bullard, Edward P., jr., Stratford, assignor to The Bullard Company, Bridgeport, Conn. Automatic multiple spindle center turning machine. 1,845,478; Feb. 16.
Bull Dog Electric Products Company. (See Frank, Harrison J. L., assignor.)
Bulldog Electric Products Company. (See Frank, Harrison J. L., assignor.)
Bulldog Electric Products Company. (See Frank, William H., assignor.)
Bull Dog Electric Products Company. (See Messing, Joseph, assignor.)
Bullen, Ralph F., assignor to Art Metal Construction Company, Jamestown, N. Y. Work support for articles of furniture. 1,870,553; Aug. 9.
Bullerjahn, Adolph D., Minneapolis, Minn. Sealing cartons, packages, and other objects. 1,859,652; May 24.

Bulley, George W., Akron, Ohio, assignor, by mesne assignments, to The Miller Rubber Company Inc., Wilmington, Del. Flexible shaft coupling. 1,842,582; Jan. 26.
Bullinger, Frederic H., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Terminal connection and making the same. 1,855,108; Nov. 1.
Bullinger, Frederic H., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Rheostat. 1,886,080; Nov. 1.
Bullinger, Frederic H., Bronxville, assignor to Ward Leonard Electric Company. Resistance unit. 1,892,202; Dec. 27.
Bullington Engine Heads. (See Bullington, Frank A., assignor.)
Bullington, Frank, assignor to Bullington Engine Heads, Kansas City, Mo. Flame control cylinder head. 1,859,079; Apr. 19.
Bullis, Henry C., Franklin, Pa., assignor, by mesne assignments, to Sound Picture Patent Company, Chicago, Ill. Apparatus for reproducing sound and pictures. 1,889,798; Dec. 6.
Bullis, John R., Silver Spring, Md. Shoring. 1,890,966; Dec. 13.
Bullock, Albert, Los Angeles, Calif. Power device. 1,848,902; Mar. 8.
Bullock, Earl C., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Index card compressor. 1,891,522; Dec. 20.
Bullock, Edward W. and R. Webster, assignors to Gleason Works, Rochester, N. Y. Machine for sharpening cutters. 1,862,840; June 14.
Bullock, Edward W., and H. J. White, assignors to Gleason Works, Rochester, N. Y. Dressing mechanism. 1,880,234; Oct. 4.
Bullock, Edward W. R. S. Condon, and E. Finsen, assignors to Gleason Works, Rochester, N. Y. Machine for finishing gears. 1,881,999; Oct. 11.
Bullock, Henry E. (See Turzinsky, Francis, assignor.)
Bullock, John W., Miami, Fla. Ephedrine solution. 1,862,253; June 7.
Bullock, Orin M., Oakland, Calif. Rotary plow. 1,859,693; Apr. 5.
Bullock, Percy W., County of Middlesex, England. Shoe, slipper, boot, and the like. 1,861,299; May 31.
Bullock, Percy W., Hailhill, assignor to British Insulated Cables Limited, Prescot, Lancashire, England. Machine for pushing foundry molds out of their boxes. 1,877,044; Sept. 13.
Bullock, Thomas W., Rainhill, assignor to British Insulated Cables Limited, Prescot, England. Foundry molding machine. 1,890,933; Dec. 13.
Bulls-Eye Electric Manufacturing Company, The. (See Trumbull, George R., assignor.)
Bulmer, Henry M., Toronto, Ontario, Canada. Mask. 1,878,464; Sept. 20.
Bulova, Arde, assignor to Bulova Watch Company, Inc., New York, N. Y. Self-winding wrist-watch. 1,844,882; Feb. 9.
Bulova, Arde, assignor to Bulova Watch Company, Inc., New York, N. Y. Illuminated clock. 1,887,479; Nov. 8.
Bulova Watch Company. (See Bulova, Arde, assignor.)
Bulova Watch Company. (See Jacot, Georges, assignor.)
Bulova Watch Company. (See Scheibel, William, assignor.)
Bulpitt, Walter H., Birmingham, England. Safety appliance for electrically heated apparatus. 1,887,082; Nov. 8.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,195; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,196; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,197; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,198; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,199; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,200; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,201; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,202; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,203; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,204; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,205; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,206; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,207; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,208; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,209; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,210; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,211; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,212; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,213; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Tea pot or similar article. Des. 86,214; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Creamer or similar article. Des. 86,215; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Sugar bowl or similar article. Des. 86,216; Feb. 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,557; Mar. 22.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,558; Mar. 22.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,559; Mar. 22.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,560; Mar. 22.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 86,561; Mar. 22.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 87,195; June 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 87,196; June 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 87,197; June 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 87,198; June 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 87,199; June 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 88,286; Nov. 15.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 88,754; Dec. 27.
Bumbaugh, Harold L., assignor to Standard Oil Company of California, San Francisco, Calif. Lightning protection system and method. 1,869,661; Aug. 2.
Bumpus, Glyde W. (Dr. and Mrs.). (See Graham, Duncan E., assignor.)
Bumstead, Charles W., trustee. (See Langley, Cortlandt, J., assignor.)
Bunbury, Hugh M., Prestwich, J. S. H. Davies, Crumpsall, and W. J. S. Naunton, Prestwich, England, assignors to Imperial Chemical Industries Limited. Vulcanization of rubber and new compound therefor. 1,874,886; Aug. 30.
Bunbury, Hugh M., and W. J. S. Naunton, Manchester, and W. A. Sexton, Huddersfield, England, assignors to Imperial Chemical Industries Limited. Vulcanization of rubber. 1,851,444; Mar. 29.
Bunbury, Hugh M., W. J. S. Naunton, Prestwich, Manchester, and W. A. Sexton, Huddersfield, England, assignors to Imperial Chemical Industries Ltd. Vulcanization of rubber. 1,879,068; Sept. 27.
Bunbury, Hugh Mills, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Producing thermoplastic products. 1,873,542; Aug. 23.
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Apparatus for the condensation of zinc vapors. 1,848,461; Mar. 8.
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Reducing zinciferous materials. 1,877,123; Sept. 13.
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Condenser for zinc vapors. 1,871,670; Aug. 16.
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 1,873,861; Aug. 23.
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Producing coked agglomerates. 1,877,122; Sept. 13.
Bunce, Earl H., C. J. Lentz and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Metallurgical furnace. 1,863,185; June 14.
Bunch, Jacob W., assignor of one-half to J. C. Bowman, Los Angeles, Calif. Liquid spreading apparatus. 1,860,136; May 24.
Bundick, Clarkson U. (See Foster, W. D., and Bundick.)
Bundick, Clarkson U. (See Proctor, B. A., Foster, and Bundick.)
Bundy, Harry W., assignor to Bundy Tubing Company, Detroit, Mich. Making a tube. 1,892,807; Dec. 27.
Bundy, James A., J. Selzer, and J. H. Moritz, Fort Wayne, Ind., assignors to International Harvester Company. Cab for vehicles. 1,859,445; May 22.
Bundy, Samuel D. (See Bristow, O. R., and Bundy.)
Bundy Tubing Company. (See Bundy, Harry W., assignor.)
Bundy Tubing Company. (See Quarnstrom, Bert L., assignor.)
Bundy, Whitney E., Donnellsville, Ohio. Incubator. 1,850,918; Mar. 22.
Bungay, George W., Plainfield, N. J., assignor to Household Field Corporation, New York, N. Y. Juice extractor. Des. 88,217; Feb. 16.
Bungay, George W., Plainfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Refrigerating system. 1,856,536; May 3.
Bungay, George W., Plainfield, N. J., assignor to Bungay-Wolf Corporation, New York, N. Y. Can opener. 1,863,531; June 14.

Bungay, George W., Plainfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Spool. 1,869,408; Aug. 2.

Bungay, George W., Plainfield, N. J., assignor, by mesne assignments, to Bungay-Wolf Corporation, New York, N. Y. Juice extractor. 1,886,250; Nov. 1.

Bungay-Wolf Corporation. (See Bungay, George W., assignor.)

Bunker, Carl D., North Haven, Me. Smoker's stand. Des. 87,200; June 21.

Bunker, Clifford C., Tallmadge, assignor to The Akron Standard Mold Company, Akron, Ohio. Extrusion apparatus. 1,883,531; Oct. 18.

Bunker, Darius W., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Chain stitch sewing machine. 1,868,724; July 26.

Bunker, Frank S., Compton, assignor to John Grant, Los Angeles, Calif. Undercamer. 1,878,260; Sept. 20.

Bunker, H. M. & Co. (See Bunker, Horace M., assignor.)

Bunker, Herbert H., Jersey City, N. J. Floor unit. 1,876,042; Sept. 6.

Bunker, Horace M., assignor to H. M. Bunker & Co., Inc., New York, N. Y. Bias cutting machine. 1,865,301; June 28.

Bunn, Charles W., Northwich, assignor to Imperial Chemical Industries Limited, London, England. Manufacture of ammonium chloride crystals. 1,848,513; Mar. 8.

Bunnell, Earl C., Stratford, Conn. Producing fabric. 1,891,912; Dec. 27.

Bunnell, Earl C., Stratford, and E. W. Barnes, Trumbull, Conn., Woven fabric and making same. 1,878,620; Sept. 20.

Bunnell, George W., Santa, Idaho. Snow remover. 1,851,301; Mar. 29.

Bunte (Bros.). (See Bernotow, Dominick M., assignor.)

Bunte Brothers. (See Reiche, Anton, assignor.)

Buntemeyer, Heinrich, Santiago, Chile. Razor stropping apparatus. 1,848,581; Feb. 16.

Bunten, William G., Detroit, Mich., assignor of one-fifth to L. L. Reece, Elizabethton, Tenn. Life and property protector. 1,868,981; Feb. 16.

Bunting Brass and Bronze Company, The. (See Bunting, W. H., Yater, and Heath, assignors.)

Bunting Brass & Bronze Company. (See Heath, Oliver J., assignor.)

Bunting Iron Works. (See Delaney, Herbert L., assignor.)

Bunting, William H., G. F. Yager, and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Molding apparatus. 1,846,300; Feb. 23.

Bunts, Frank D., Monroe, and R. Rogers, Trenton, Mich. Generator pilot raising device. 1,866,876; July 12.

Bunzl Walter, New York, N. Y. Therapeutic lamp. Des. 86,663; Apr. 5.

Bunzl, Walter, New York, N. Y. Therapeutic lamp. Des. 86,663; Apr. 5.

Buquor, Adolph P., Los Angeles, Calif., assignor to Martin-Parry Corporation, York, Pa. Equalizing and suspension system for motor vehicles. 1,840,154; Jan. 5.

Buquor, Adolph P., Los Angeles, Calif., assignor of one-half to C. R. Medley, Columbus, Ga. Motor vehicle equalizing and suspension system. 1,840,155; Jan. 5.

Buquor, Adolph P., Los Angeles, Calif., assignor of one-half to C. R. Medley, Columbus, Ga. Compound spring suspension and load equalizing means for motor vehicles. 1,841,099; Jan. 19.

Buquor, Adolph P., Los Angeles, Calif., assignor of one-half to C. R. Medley, Columbus, Ga. Compensating spring suspension system for motor vehicles. 1,857,234; May 10.

Bur, Philip W., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Conveyer. 1,891,140; Dec. 13.

Buraglia, Vicente, Bogota, Colombia. Carburetor for internal combustion engines. 1,886,787; Nov. 8.

Burbank, Elliott W., executrix. (See Burbank, Luther.)

Burbank, Louis S., Worcester, Mass., assignor, by mesne assignments, to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Machine for producing bolts, screws, and the like. 1,892,445; Dec. 27.

Burbank, Luther, deceased; E. W. Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Plum. Pl. Pt. 12; Apr. 5.

Burbank, Luther, deceased; E. W. Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Plum. Pl. Pt. 13; Apr. 5.

Burbank, Luther, deceased; E. W. Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Plum. Pl. Pt. 14; Apr. 5.

Burbank, Luther, deceased; E. W. Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Peach. Pl. Pt. 15; Apr. 5.

Burbank, Luther, deceased. E. W. Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Plum. Pl. Pt. 16; May 10.

Burbank, Luther, deceased; E. W. Burbank, Santa Rosa, Calif., executrix, assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Plum. Pl. Pt. 18; July 19.

Burbank, Luther, deceased; E. W. Burbank, Santa Rosa, Calif., executrix, assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Cherry. Pl. Pt. 71; Nov. 8.

Burch, Alvan V., Evansville, Ind. Disk cultivator attachment for cultivators. 1,843,863; Feb. 2.

Burch, Alvan V., Evansville, Ind. Disk barring-off attachment for cultivators. 1,838,618; Nov. 22.

Burch, Cecil R. (See Robinson, E. Y., and Burch.)

Burch Corporation, The. (See Kime, Charles G., assignor.)

Burch Corporation, The. (See Ross, Lester T., assignor.)

Burch, Eli F., Laurel Springs, N. J., assignor to Doherty Research Company, New York, N. Y. Dewaxing petroleum oil. 1,848,054; Mar. 1.

Burch, Harold B., Oakland, Calif. Portable water softener. 1,860,849; May 31.

Burchett, George W., Peekskill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial larynx. 1,867,350; July 12.

Burchett, Walter J., East Orange, assignor to Art Metal Works, Inc., Newark, N. J. Projecting device. 1,879,600; Sept. 27.

Burckhardt, Ernst. (See Stoll, A., and Burckhardt.)

Burd, Gorman C., Adrian, Mich., assignor to American Cable Company, Inc., New York, N. Y. Stranding. 1,891,343; Dec. 20.

Burd, Gorman C., Newark, N. J., assignor to American Cable Company, Inc., New York, N. Y. Spring colling method and means. 1,849,705; Mar. 15.

Burd, Gorman C., Newark, N. J., assignor to American Cable Company, Inc. Cutting and binding stranded structures. 1,864,169; June 21.

Burd, Gorman C., Brooklyn, N. Y., assignor to American Cable Company, Inc. Apparatus for treating wire rope. 1,864,293; June 21.

Burd, Gorman C., Akron, Ohio, assignor to American Cable Company, Inc. Treating wire rope. 1,864,338; June 21.

Burd, Gorman C., and O. Bratz, Adrian, Mich., assignors to American Cable Company, Inc. Machine for producing coil wire structures. 1,892,501; Dec. 27.

Burd, Gorman C., and Tarrant, Adrian, Mich., assignors to American Cable Company. Wire coil forming means. 1,892,502; Dec. 27.

Burd Hitch Compression Ring Company. (See Bates, Albert H., assignor.)

Burdett, Clarence F., Ford City, and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, Glass cutting equipment. 1,878,818; Sept. 20.

Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Positive let-back mechanism for looms. 1,858,017; Apr. 12.

Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Filling end controller for replenishing looms. 1,883,532; Oct. 18.

Burdett, John B., assignor to Burdett Manufacturing Company, Chicago, Ill. Valve. 1,858,291; May 17.

Burdett Manufacturing Company. (See Burdett, John B., assignor.)

Burdette, Charles E., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Vented motor casing. 1,846,837; Feb. 23.

Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Solid tire. 1,866,797; July 12.

Burdick, Charles L., London, England. Paper folding machine. 1,843,020; Jan. 26.

Burdick, Charles L., London, England. Wage paying machine. 1,870,654; Aug. 9.

Burdick, Charles L., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 1,854,291; Apr. 19.

Burdick Corporation, The. (See Anderson, Fritz A., assignor.)

Burdick Corporation, The. (See Maxson, Rolland H., assignor.)

Burdick, Frank, assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,882,771; Oct. 18.

Burdick, Mary J. (See Gray, C. W. Burdick, Moore, and Sandifur.)

Burdick, Ralph V., Albany, and L. R. Krug, West Albany, assignors to Burdick & Son, Albany, N. Y. Producing castings with tapped holes therein. 1,891,867; Dec. 20.

Burdick & Son. (See Burdick, R. V., and Krug, assignors.)

Burdick, Thomas, Montrose, assignor of one-half to A. Miller, La Crescenta, Calif. Mitter box. 1,843,267; Feb. 2.

Burdock Corporation, The. (See Hulett, Mason, assignor.)

Burdotti, Paul, New York, N. Y. Metal shoe. 1,891,021; Dec. 13.

Bureen, Arthur A., Chicago, and E. P. Burk, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Portable platform or skid. 1,880,765; Oct. 4.

Buren, Newton J., Tacoma, Wash. Piston construction. 1,885,681; Nov. 1.

Buresh, George F., Cedar Rapids, Iowa. Safety device for automobiles. 1,848,313; Mar. 8.

Burg, Clarence T. (See Parker, C. J., Burg, and Dady.)

Burg, Grover F., Ann Arbor, Mich. Washer and/or drier for golf balls or similar articles. 1,876,853; Sept. 13.

Burg, Michael, Baltimore, Md. Extension table. 1,860,990; May 31.

Burg, Swan O., Seffner, Fla. Grove and orchard subpulverizer disk. 1,847,380; Mar. 1.

Burgener, John A., Hinsdale, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,871,300; Aug. 9.

Burger, Alfred, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,845,124; Feb. 16.

Burger, Clarence W., Cherrydale, Va., assignor of one-third to L. Mark and one-third to J. E. Shoemaker. Time controlled incandescent lamp device. 1,853,503; Apr. 5.

Burger, Clarence W., Cherrydale, Va., assignor to National Electric Supply Company, Washington, D. C. Indicator apparatus. 1,856,608; Apr. 19.

Burger, Frederick W. (See Mogford, E. C., and Burger.)

Burger, Heinrich, Berlin-Charlottenburg, Germany. Impregnating leather. 1,885,179; Nov. 1.

Burger, Martin, Morris, Ill. Machine for setting up cartons. Re18,547; July 26.

Burger, Walter D., Forest Park, Ill. Grease metering device. 1,859,071; May 17.

Burgess, Arley A., assignor to W. H. Burgess, Lexington, Miss. Constructing dock. 1,850,780; Mar. 22.

Burgess Battery Company. (See Henderson, Joseph M., assignor.)

Burgess Battery Company. (See Porth, Henry W., assignor.)

Burgess Battery Company. (See Reese, David B., assignor.)

Burgess Battery Company. (See Schulte, W. B., and Zook, assignors.)

Burgess Battery Company. (See Staley, Wayne D., assignor.)

Burgess Battery Company. (See Storey, Oliver W., assignor.)

Burgess Battery Company. (See Zook, John S., assignor.)

Burgess & Biacher Co. (See Burgess, Pearl M., assignor.)

Burgess, C. F., Laboratories, Inc. (See Klefoth, Max H., assignor.)

Burgess, C. F., Laboratories, Inc. (See Schnell, Frederick, assignor.)

Burgess, C. F., Laboratories, Inc. (See Shoemaker, Milton J., assignor.)

Burgess, C. F., Laboratories, Inc. (See Schorger, Arlie W., assignor.)

Burgess, C. F., Laboratories, Inc. (See Watlon Clifford T., assignor.)

Burgess Cellulose Company. (See Schorger, Arlie W., assignor.)

Burgess, Frank, Wollaston, Mass. Apparatus for grinding gears. 1,842,538; Jan. 26.

Burgess, Harry A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Toroidal coil. 1,854,824; Apr. 19.

Burgess, John J., assignor to Rock Island Register Company, Rock Island, Ill. Register for heating plants. 1,870,246; Aug. 2.

Burgess, Joseph E., assignor to American Lithographic Company, Inc., New York, N. Y. Combined carton and lamp shade. 1,861,206; May 31.

Burgess, Joseph W., and Anschutz, Kansas City, Mo. Identification card or certificate. Des. 86,664; Apr. 5.

Burgess, Pearl M., Reading, Pa. Chute. 1,879,069; Sept. 27.

Burgess, Pearl M., Reading, assignor to Burgess & Blacher Co., Boston, Mass. Metal flashing. 1,889,771; Dec. 1.

Burgess, Wendell H. (See Burgess, Arley A., assignor.)

Burgett, Marion F., Indianapolis, Ind. Metal worker's rasping. U. S. C. 1,866,513; Dec. 13.

Burgett, Neal J., assignor to J. W. Hoehl, Detroit, Mich. Enmael metallic tile. 1,868,815; July 26.

Burgett, Virgil C., Lorain, Ohio. Builder's bridging structure. 1,852,917; Apr. 5.

Burggraff, Justus, Bowlus, Minn. Tractor hitch. 1,879,246; July 19.

Burghard, Edward G. (See Fourness, W., and Burghard.)

Burghart, Lloyd M., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Making and treating cellulose esters and products thus obtained. 1,839,295; Jan. 5.

Burghoff, Henry L. (See Crampton, D. K., and Burghoff.)

Burgeman, Glen H., Chicago, Ill. Flat varnish. 1,867,306; July 12.

Burheim, Olav, Trondhjem, Norway. Stretching and fastening device for wire netting. 1,862,462; June 7.

Burhorn, Edwin, Hoboken, N. J. Cooling tower. 1,857,351; May 10.

Burhorn, Edwin, Hoboken, N. J. Cooling apparatus. 1,883,533; Oct. 18.

Burk, Earl P. (See Bureau, A. A., and Burk.)

Burk, William W., Forest, assignor to J. F. Kemmerling, Cleveland, Ohio. Roofing bracket. 1,871,154; Aug. 9.

Burkard, Roland J., Sheboygan, Wis. Grass trimmer. 1,850,992; Mar. 29.

Burkart, Harry J., Kirkwood, Mo. Article of upholstery and making same. 1,886,325; Nov. 1.

Burkart, Harry J., Kirkwood, Mo. Upholstery. 1,885,109; Nov. 1.

Burke, Alfred, New York, N. Y. Lamp-shade. 1,867,562; July 19.

Burke, Alfred, New York, N. Y. Lamp shade frame. 1,877,552; Sept. 13.

Burke, Charles E. (See Erlandson, Emil M., assignor.)

Burke, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,890,769; Dec. 13.

Burke, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pentaerythrite ethers. 1,859,913; May 24.

Burke, Charles E., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Waterproofing composition and articles treated therewith. 1,862,565; June 14.

Burke, Edmund, Portland, Me., assignor to Brown Company, Berlin, N. H. Support for insulators. 1,880,766; Oct. 4.

Burke, Edmund, Portland, and J. C. Sherman, Gorham, Me., assignors to Brown Company, Berlin, N. H. Laying of multiple fiber conduit. 1,868,881; July 26.

Burke, George W., Fort Wayne, Ohio. Fire extinguishing apparatus. 1,866,008; July 5.

Burke, James F., assignor to Mack Molding Co., Wayne, N. J. Closure for containers. 1,883,534; Oct. 18.

Burke, John E. (See King, Howard O., assignor.)

Burke, John W., assignor of one-half to D. W. Moffat, Galesburg, Ill. Container. 1,840,610; Jan. 12.

Burke, Paul, assignor to Northwest Engineering Corporation, Green Bay, Wis. Excavating shovel. 1,843,750; Feb. 2.

Burke, Paul, assignor to Northwest Engineering Corporation, Green Bay, Wis. Power shovel. 1,852,289; Apr. 5.

Burke, Ralph, Spring Grove, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Roll for heat treating furnaces. 1,872,062; Aug. 16.

Burke, Ralph J. (See Worley, John, jr., and Burke, assignors.)

Burke, Stephen P., assignor to Combustion Utilities Corporation, New York, N. Y. Production of carbon monoxide and hydrogen mixtures. 1,843,063; Jan. 26.

Burke, William R., assignor of one-half to W. F. Bossert, Utica, N. Y. Railway signal control. 1,879,070; Sept. 27.

Burkett, Amy, St. George, N. Y. Lingerie strap holder. 1,847,882; Mar. 1.

Burkey, Harvey M., Plainfield, and L. E. Cole, Rahway, N. J., assignors to American Metal Company, Ltd., New York, N. Y. Recovering copper. 1,858,236; May 17.

Burkey, Henry T., South Pasadena, assignor, by mesne assignments, to Burkey Manufacturing Company, Los Angeles, Calif. Risk reverser for irrigation ditches, flumes, natural waterways and the like. 1,882,482; Oct. 11.

Burkey Manufacturing Company. (See Burkey, Henry T., assignor.)

Burkhalter, William T., Reidsville, Ga. Nut-lock. 1,872,384; Sept. 13.

Burkhardt, Arthur, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Improvement of metals. 1,847,044; Feb. 23.

Burkhardt, Chandos, Canton, Ohio, assignor to The Hoover Company. Conductor cord attachment. 1,856,816; May 17.

Burkhardt, Conrad C. C., Philadelphia, Pa. Frame for articulated oil-electric locomotives. 1,855,094; Apr. 19.

Burkhardt, Harry L., Cleveland Heights, Ohio. Transmission gearing. 1,891,460; Dec. 20.

Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Producing motion pictures. 1,859,021; May 17.

Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Projection printing machine. 1,859,022; May 17.

Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Projection apparatus for motion pictures. 1,859,023; May 17.

Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Printing machine for moving picture films. 1,885,229; Nov. 1.

Burkhart, Charles F., assignor to Sprague, Warner & Company, Chicago, Ill. Display case. 1,854,104; Apr. 12.

Burkhart, Eddie, Tacoma, Wash. Flying machine. 1,877,474; Sept. 13.

Burkhead, Charles W., Bellevue, Ky. Hand-operated lawnedge or grass-trimming tool. 1,841,238; Jan. 12.

Burkheiser, Adam C., assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,890,569; Dec. 13.

Burkholder, Albert N., and C. P. Mann, assignors to Squeeze Easy Inc., South Jacksonville, Fla. Fruit juice extractor. 1,855,221; Apr. 26.

Burkholder, John H., Ashland, Ohio, assignor, by mesne assignments, to Elite Manufacturing Company. Scaffold bracket. 1,843,268; Feb. 2.

Burkholder, John H., Ashland, Ohio, assignor, by mesne assignments, to Elite Manufacturing Company. Vehicle jack. 1,885,074; Oct. 25.

Burkholder, William E., Long Beach, Calif. Door handle. 1,841,570; Jan. 19.

Bürkholdt, Herbert, assignor to the Firm of Carl Fr. Brauer m. b. H., Stettin, Germany. Rotary printing cylinder. 1,856,181; May 3.

Burkle, Charles D., Geneva, Iowa. Planter attachment. 1,856,208; May 3.

Burks, Arthur W., Decatur, Ill. Support and spacer for stacking boxes. 1,849,659; Mar. 15.

Burks, Arthur W., Decatur, Ill. Pumping and system therefor. 1,856,537; May 3.
Burks, Arthur W., Decatur, Ill. Rotary pump. 1,861,837; June 7.
Burks, Arthur W., Decatur, Ill. Rotary pump. 1,861,838; June 7.
Burks, Arthur W., Decatur, Ill. Centrifugal pump. 1,861,839; June 7.
Burks, Arthur W., Decatur, Ill. Hydroair compressor and vacuum pump. 1,867,651; July 19.
Burks, Arthur W., Decatur, Ill. Air pumping centrifugal pump. 1,867,652; July 19.
Burks, Arthur W., Decatur, Ill. Air pumping centrifugal pump. 1,867,653; July 19.
Burks, Arthur W., Decatur, Ill. Pump. 1,871,209; Aug. 9.
Burks, James B., Houston, assignor of one-half to W. E. Hochmuth, Harris County, Tex. Piston ring. 1,847,427; Mar. 1.
Burks, John E., assignor to Charles Hartmann Company, Brooklyn, N. Y. Cover for underfloor piping. 1,858,803; May 17.
Burlertas Limited. (See Enock, Arthur G., assignor.)
Burleigh, Arthur C., Wellesley, Mass. Thermostatically controlled electric circuit. 1,859,765; May 24.
Burlin, Leslie H., Oak Park, assignor to Advance Pattern & Foundry Company, Chicago, Ill. Combination tray and table. 1,872,669; Aug. 23.
Burlington Brass Works. (See Harper, George A., assignor.)
Burmah Oil Company Limited, The. (See Allan, Hugh L., assignor.)
Burmeister, Erich, Zurich, Switzerland, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Condensing locomotive. 1,871,403; Aug. 16.
Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Method and apparatus for producing fire extinguishing foam. 1,859,326; May 24.
Burmeister, Hans, Berlin-Schmargendorf, Germany. Producing foam products. 1,889,236; Nov. 29.
Burn, James, Longparish, assignor of one-half to C. F. Clapham, Surrey, England. Coupling. 1,841,008; Jan. 12.
Burn, Lewis, Longparish, assignor of one-half to Thompson Brothers, (Bilston) Limited, Bilston, Staffordshire, England. Rotary pump and the like. 1,890,560; Dec. 13.
Burnair, Inc. (See Campbell, C. W., and Cook, assignors.)
Burnam, Leonard G., Mansfield, Ill. Carrying handle. 1,853,113; Apr. 12.
Burne, Stuart B., assignor to Pulver Company, Inc., Rochester, N. Y. Photographic machine. 1,867,495; July 12.
Burnell, Vincent J., New York, N. Y., assignor to The Upperco-Burnell Corporation. Airplane construction. 1,843,241; Feb. 2.
Burnet, Samuel F., Webster Groves, assignor to Laclede Christy Clay Products Company, St. Louis, Mo. Suspended flat arch for furnaces, kilns, and the like. 1,885,800; Nov. 1.
Burnett, Andre, Wausau, Wis. Producing on paper or fabric a suede-like finish of waterproof property. 1,883,535; Oct. 18.
Burnett, Charley, Washington C. H., Ohio. Farm stock drinking tank. 1,865,829; July 5.
Burnett, Charley, Washington C. H., Ohio. Oil burning mechanism. 1,871,108; Aug. 9.
Burnett, Mabel E., assignor to Burnett's, Inc., Newark, N. J. Bird seed biscuit holder. 1,843,864; Feb. 2.
Burnett, Richard W., Chicago, Ill. Handwheel. 1,848,822; Mar. 8.
Burnett, Richard W., Chicago, Ill. Housing for hand brake winding mechanism. 1,870,985; Aug. 9.
Burnett, Richard W., Chicago, Ill. Hand brake for flat cars and similar cars. 1,872,113; Aug. 16.
Burnett, Richard W., Chicago, Ill. Applying hand brakes to railway cars. 1,874,438; Aug. 30.
Burnett, Richard W., Chicago, Ill. Hand brake for railway cars. 1,879,949; Aug. 30.
Burnett, Richard W., Chicago, Ill. Hand brake mounting for railway cars. 1,879,971; Sept. 27.
Burnett, Richard W., Chicago, Ill. Railway hand brake. 1,879,972; Sept. 27.
Burnett, Richard W., Chicago, Ill. Railway hand brake. 1,879,973; Sept. 27.
Burnett, Richard W., Chicago, Ill. Railway hand brake. 1,879,974; Sept. 27.
Burnett, Richard W., Chicago, Ill. Hand brake for drop end gondolas. 1,879,975; Sept. 27.
Burnett, Richard W., Chicago, Ill. Attaching bracket for railway car hand brakes. 1,879,976; Sept. 27.
Burnett, Richard W., Chicago, Ill. Hand brake holding and releasing means. 1,879,977; Sept. 27.
Burnett's, Inc. (See Burnett, Mabel E., assignor.)
Burney, Charles D., assignor to Streamline Cars Limited, Westminster, England. Suspension of wire wheels on motor road vehicles. 1,850,826; Mar. 22.
Burnham, Arnold W., Providence, R. I., assignor to Fire Control Inc., Malden, Mass. Fire extinguisher. 1,866,151; July 5.
Burnham Chemical Company. (See Woodward, Henry T., assignor.)
Burnham, George A., Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. High tension outdoor switching system and apparatus. 1,843,105; Feb. 2.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Venting electric switch. 1,846,841; Feb. 23.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switching and distribution system. 1,859,935; May 24.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Switch house and switching system and apparatus. 1,878,107; Sept. 20.
Burnham, George B., Reno, Nev., assignor to Burnham Chemical Company, Westend, Calif. Heating brine. 1,886,868; Nov. 8.
Burnham, Larry L., Youngstown, Ohio. Carrier. 1,872,069; Aug. 16.
Burnham, Laurence H., Lexington, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Molded rubber boot with flexible top. 1,860,403; May 31.
Burnham, Laurence H., Lexington, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., Making rubber boots. 1,885,327; Nov. 1.
Burnham, Richard W. (See Pasternack, R., and Burnham.)
Burnham, Roy. (See Minsky, J. R., and Burnham.)
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding apparatus. 1,846,470; Feb. 23.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric welding pressure vessels. 1,857,526; May 10.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Method of and apparatus for welding pipe joints. 1,872,114; Aug. 16.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Spacer strip for electric welding. 1,872,240; Aug. 16.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for arc welding. 1,872,241; Aug. 16.
Burnish, Howard J., Sewickley, assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Rotary contact roll for electric welding machines. 1,862,296; June 7.
Burnitol Manufacturing Company. (See Cranshaw, Harold B., assignor.)
Burnley, Henry. (See Ayers, Harrison, assignor.)
Burnley, Robert C., Louisville, Ky. Combined reading table and writing desk. 1,849,450; July 5.
Burns, Thomas B., Washington, D. C. Fuse plug. 1,844,030; Feb. 9.
Burns, Alfred P. (See Guild, W. J., and Burns.)
Burns, Alfred P. (See Heald, R. N., Guild, Burns, and Garno.)
Burns, Charles E., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,843,478; Feb. 2.
Burns, Edward J., Fall River, assignor to Sears B. Condit, Boston, Mass. Fuse plug or the like. 1,847,469; Mar. 1.
Burns, Erwin. (See Baash, L. F., Burns, and Garrard.)
Burns, Erwin, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Well casing head. 1,845,396; Feb. 16.
Burns, Eugene E., Hartley, Iowa. Stabilizer for road graders. 1,853,115; Apr. 12.
Burns, Fred J., assignor to Columbia Mills, Incorporated, Saginaw, Mich. Roller wrench. 1,861,207; May 31.
Burns, Fred J., assignor to The Columbia Mills, Incorporated, Saginaw, Mich. Transom blind. 1,871,035; Aug. 9.
Burns, Fred J., assignor to Columbia Mills, Incorporated, Saginaw, Mich. Mechanical roller lifts. 1,891,913; Dec. 27.
Burns, Frederick M. R., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,909; Jan. 5.
Burns, George J. (See Schoenfeldt, Henry W., assignor.)
Burns, Gordon E. (See Hall, E. A., and Burns.)
Burns, Gordon E., assignor to The Columbia Burner Co., Toledo, Ohio. High and low flame control for gas burners. 1,888,449; Nov. 22.
Burns, Henry B., Fond du Lac, Wis. Closure for fruit jars. 1,850,919; Mar. 22.
Burns, Jabez & Sons, Inc. (See Burns, W. G., and Greene, assignors.)
Burns, Jabez, & Sons, Inc. (See Herz, George C., assignor.)
Burns, James E., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Ammunition. 1,862,295; June 7.
Burns, James E., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Ammunition. 1,878,621; Sept. 20.
Burns, James E., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Priming mixture. 1,880,235; Oct. 4.
Burns, James E., and W. H. Woodford, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Refining apparatus and process. 1,887,920; Nov. 15.
Burns, John E., Ambridge, assignor to H. H. Robertson Company, Pittsburgh, Pa. Protected metal article. 1,863,186; June 14.

Burns, Joseph, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Meat hanging method. 1,863,743; June 21.

Burns, Joseph C. (See Grove, D. C., and Burns.)

Burns, Raymond W., Poughkeepsie, N. Y. Clamp machine. 1,873,815; Aug. 23.

Burns, Robert C., Bellwood, and L. G. Plank, Hollidaysburg, Pa. Train control system. 1,843,539; Feb. 2.

Burns, Robert L. (See Stone, N. S., and Burns.)

Burns, Robert M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,845,042; Feb. 16.

Burns, Thomas E., et al., directors. (See Smiley, Alfred M., assignor.)

Burns, Thomas H., Maplewood, N. J. System for counteracting undesired oscillations in alternating current circuits. 1,853,356; Oct. 18.

Burns, Wilford E., Burlingame, assignor to M. J. B. Co., San Francisco, Calif. Can making and apparatus. 1,874,867; Aug. 30.

Burns, Wilfred E., Burlingame, Calif., assignor to M. J. B. Co. Can body blank folding machine. 1,872,670; Aug. 23.

Burns, William A., Brondesbury, London, assignor to Solidex Signs Amalgamated Limited, London, England. Sign. 1,856,462; May 3.

Burns, William G., New York, and R. A. Greene, Brooklyn, assignors to Jabez Burns & Sons, Inc., New York, N. Y. Apparatus for cooling coffee, etc. 1,870,355; Aug. 9.

Burnside, Edgehill T., Shelbyville, Ind. Gravel washing machine. 1,871,583; Aug. 16.

Burnside, James H., assignor to General Talking Pictures Corporation, New York, N. Y. Sound-on-film reproducing apparatus. 1,867,427; May 10.

Buron, Harry A. (See Stevenson, E. P., and Buron.)

Burpee, George D., et al. (See Donald, Louis E., assignor.)

Burpee, John H., assignor to E. B. Foster and C. A. Folsom, Bellingham, Wash. Can conveyer. 1,848,603; Mar. 8.

Burpee, John H., assignor to Eugene B. Foster and Cecil A. Folsom, Bellingham, Wash. Hand can seamer. 1,888,583; Nov. 22.

Burr, George S., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Jig. 1,869,184; July 26.

Burr, Robert M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal device. 1,870,833; Aug. 9.

Burr, Rudolph, Dorfchi, W., Burr, and Schwitzer.)

Burrell, Benjamin S., East Chicago, Ind. Lubricating connecters. 1,857,527; May 10.

Burrell, Howard P., Silver Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Chuck closing and opening mechanism. 1,874,888; Aug. 30.

Burrell, Howard A., et al. (See Gosnell, Robert R., assignor.)

Burrell, Percy, Watford, Herts, and J. A. Boothroyd, Rickmansworth Herts, England. Production of colored effects by lighting. 1,887,285; Nov. 8.

Burrick, Theodore. (See Smith, H. G., and Burrick.)

Burrill, George H., Struble, Iowa. Tractor hitch. 1,848,449; Mar. 15.

Burris, Claud H., Rogers, Ark. Four-in-one steam cylinder drier. 1,882,405; Oct. 11.

Burris, Harry. (See Martin, Joseph J., assignor.)

Burris, Lee W., Erie, Ill. Roofing construction. 1,882,177; Oct. 11.

Burris, Richard M., Holdenville, Okla., assignor of one-third to C. L. Hill, jr., Little Rock, Ark. Well closing apparatus. 1,874,889; Aug. 30.

Burroughs Adding Machine Company. (See Bindschedler, Theodore S., assignor.)

Burroughs Adding Machine Company. (See Boyer, Joseph, assignor.)

Burroughs Adding Machine Company. (See Butler, Thomas M., assignor.)

Burroughs Adding Machine Company. (See Doughty, Alfred J., assignor.)

Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)

Burroughs Adding Machine Company. (See Lafferty, Arthur R., assignor.)

Burroughs Adding Machine Company. (See Magnus, John H., assignor.)

Burroughs Adding Machine Company. (See Mueller, Frederick O., assignor.)

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)

Burroughs Adding Machine Company. (See Racz, Ernest, assignor.)

Burroughs Adding Machine Company. (See Rowland, Dwight P., assignor.)

Burroughs, Edgar H., Scarsdale, assignor to Amburgen Construction Company, Inc., New York N. Y. Dam. 1,853,545; Apr. 12.

Burroughs, Edgar H., Scarsdale, assignor to Amburgen Construction Company, Inc., New York, N. Y. Dam. 1,864,976; June 28.

Burroughs, George, Monessen, Pa. Combined cigarette and match case. 1,855,382; Apr. 26.

Burroughs, Robert E., assignor to Eastman Kodak Company, Rochester, N. Y. Ultra-violet sensitive photographic element. 1,880,411; Oct. 4.

Burroughs, Robert L., Henderson, N. C. Lock cap for gasoline and other tanks. 1,878,436; Sept. 20.

Burrow, Lee R. (See Dodd, R. H., and Burrow.)

Burrows, Edwin H., Cleveland, assignor of one-half to W. Hoyt, Cleveland Heights, Ohio. Explosive composition. 1,891,500; Dec. 20.

Burrows, George, Long Island City, assignor to Merritt-Chapman & Scott Corporation, New York, N. Y. Method of and apparatus for connecting pipes in building pipe lines. 1,874,081; Aug. 30.

Burrows, Robert W., Petaluma, Calif. Filler pad. 1,866,617; July 12.

Burrows, Sidney V. (See Harding, W. H., and Burrows.)

Burruss, George G., assignor to Col-Tex Refining Company, Colorado, Tex. Treating oil and reagents. 1,863,967; June 21.

Burson Knitting Company. (See Hinchliff, Edward C., assignor.)

Burson Knitting Company. (See Parker, William S., assignor.)

Burson, Thomas, and C. W. Jenkins, Negley, Ohio. Adjustable propeller. 1,892,035; Dec. 27.

Burst-Webster Engineering and Sales Company. (See Smith, Charles F., assignor.)

Burston, Richard, Toronto, Ontario, Canada. Apparatus for renewing valve seats. 1,888,293; Nov. 22.

Burt, Alexander T., Los Angeles, Calif., assignor to A. H. Jepson, Glens Falls, N. Y. Scaffold. 1,880,767; Oct. 4.

Burt, Carl C., and I. L. Anderson, Salt Lake City, Utah, assignors to American Smelting & Refining Company, New York, N. Y. Tilting furnace. 1,880,768; Oct. 4.

Burt, Charles W., Sydney, Nova Scotia, Canada. Rail joint chair. 1,859,428; May 24.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Washing and cementing device for well casings. 1,875,414; Sept. 6.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Floating and cementing shoe. 1,882,314; Oct. 11.

Burt, F. N., Company. (See Carle, Harold, assignor.)

Burt, F. N., Company. (See Martin, Marc, assignor.)

Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. 1,880,119; Sept. 27.

Burt, Harold A., St. Albans, and J. H. Hilpman, Hollis, N. Y., assignors to Mergenthaler Linotype Company. Typographical composing and distributing machine.

Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical machines.

Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Keyboard mechanism. 1,851,966; Apr. 5.

Burt, Harry M., Edgewood, R. I. Salt or pepper shaker. Des. 86,096; Mar. 29.

Burt Machine Company. (See Wild, Charles H., assignor.)

Burt Manufacturing Company, The. (See Palmer, Clarence A., assignor.)

Burt Manufacturing Company, The. (See Palmer, C. A., and Lenke, assignors.)

Burt, Robert C., Pasadena, Calif. Nonvibratory mounting for reproducer arm. 1,875,848; Sept. 6.

Burtchaell, Arthur B., San Francisco, Calif. Facing and stacking machine. 1,860,491; May 31.

Burton, Carroll, Johnstown, Pa. Car coupler. 1,858,915; May 17.

Burton, Carroll, Johnstown, Pa. Guard rail. 1,863,783; June 21.

Burton, Charles S. (See Edwards, William A., assignor.)

Burton, Charles S., Oak Park, Ill. Vacuum tank. 1,855,472; Apr. 26.

Burton, Charles S., Oak Park, Ill. Suction fuel feeding apparatus for internal combustion engines. 1,877,806; Sept. 20.

Burton, Charles S., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Cam actuated fuel pump. 1,874,890; Aug. 30.

Burton-Dixie Corporation. (See Burton, O. M., and Zimmerman, assignors.)

Burton-Dixie Corporation. (See Zimmerman, Fred R., assignor.)

Burton, Everett T., Jackson Heights, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave modulation and application thereof. 1,847,079; Mar. 1.

Burton, Everett T., Jackson Heights, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine cable telegraph system. 1,858,237; May 17. 1,864,799; June 28.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power amplifier. 1,856,373; May 3.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Zero correcting circuit. 1,858,037; May 10.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 1,873,283; Aug. 23.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. 1,879,231. Sept. 20.
Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transformer. 1,880,412; Oct. 4.
Burton, George, Klamath Falls, Oreg. Band saw guide. 7,870,555; Aug. 9.
Burton, Henry, Gardena, Calif. Engine starter. 1,880,769; Oct. 4.
Burton, Hugh F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Balloon-guard for creels or the like. 1,886,638; Nov. 8.
Burton, James A., Brooklyn, N. Y. Lubricant. 1,857,235; May 3.
Burton, John J., Brisbane, Queensland, Australia. Drying hides, skins, leather, plywood, and other products. 1,853,597. Mar. 29.
Burton, Kellis H., and H. Kramer, Tulsa, Okla., assignors to The Philip Carey Manufacturing Company. Wiping apron for pipe wrapping machines. 1,880,770; Oct. 4.
Burton, Kellis H., and H. Kramer, Tulsa, Okla., assignors, by direct and mesne assignments, to The Philip Carey Manufacturing Company. Truck attachment for pipe wrapping machines. 1,880,771; Oct. 4.
Burton, Oliver M., and F. R. Zimmerman, assignors, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Mattress and its manufacture. 1,892,203; Dec. 27.
Burton, Ralph J. (See Mercer, George J., assignor.)
Burton, Ralph F., Chicago Heights, Ill. Spirally coiled paper tubing and making. 1,885,587; Nov. 1.
Burton, Robert B. (See Beck, C. and Burton.)
Burton, Thomas L., (See Duff, Thomas L., assignor.)
Burton, Thomas F., and A. L. White, Youngstown, Ohio. Sheet handling apparatus. 1,847,812; Mar. 1.
Burton, Thomas L., New York, N. Y., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 1,891,523; Dec. 20.
Burton, Warren D., Cleveland, assignor to Combustioneer Inc., Cicero, Ill. Transmission mechanism. 1,883,537; Oct. 18.
Burton, William A. (See Langwell H., and Burton.)
Burvenick, Benjamin, Woodhaven, assignor to Laiance & Grosjean Manufacturing Company, New York, N. Y. Container closure. New York, N. Y., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 1,891,523; Dec. 20.
Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Lubricant and making the same. 1,851,004; June 5.
Burwood, George F., London, England. Application of photography to the recording of the reading of meters or registers on trading exchanges. 1,847,590; Mar. 1.
Busby, Junius E., Jackson, assignor of one-half to B. Coomer, Beattyville, Ky. Device for facilitating the breaking of metallic rails. 1,862,783; June 14.
Busch, Charles A., Joliet, Ill. Crank case. 1,847,813; Mar. 1.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake mechanism for railway cars. 1,866,999; July 12.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Draft gear carrier. 1,892,328; Dec. 27.
Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Grinding machine. 1,843,414; Feb. 2.
Busch, John, Berlin, Germany, assignor to General Electric Company. Construction of the voltage electromagnet of induction disk meter devices. 1,873,737; Aug. 23.
Busch Manufacturing Company. (See Busch, Vern W., assignor.)
Busch, Vern W., South Bend, Ind. Horn. 1,890,719; Dec. 13.
Busch, Vern W., assignor to Busch Manufacturing Company, Detroit, Mich. Bird cage bath. 1,864,230; June 21.
Busch, Werner, Cologne-Deutz assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Precipitation of heavy metal hydroxides. 1,879,071; Sept. 27.
Buschbeck, Werner, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Grid modulation. 1,859,024; May 17.
Buschbeck, Werner, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Keying circuit arrangement for transmitters. 1,874,891; Aug. 30.
Buscher, Catherine, Executrix. (See Buscher, Henry.)
Buscher, Henry, deceased, North Bergen, N. J., C. Buscher, executrix. Brake mechanism. 1,853,201; Apr. 12.
Buschhaus, Adolf, Wuppertal-Barmen, Germany, assignor to Barthels Manufacturing Company, Glendale, N. Y. Fastening device. 1,870,172; Aug. 2.
Buschman, Abraham L., New York, N. Y. Electric bulb or the like. Des. 86,300; Feb. 23.
Buschman, Abraham L., New York, N. Y. Lamp socket clip. 1,861,151; May 31.
Buschman, Sol L., assignor, by mesne assignments, to Metal Package Corporation, New York, N. Y. Container. 1,851,617; Mar. 29.
Buse, F. W. (See Schenk, Franz E. M., assignor.)
Busfield, William, jr., assignor to American Engineering Company, Philadelphia, Pa. Furnace front wall. 1,885,075; Oct. 25.
Bush, A. G. (See Criner, Harry J. and H. E., assignors.)
Bush, Albert A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Chuck. 1,869,322; July 26.
Bush, Earl T., Los Angeles, and A. J. Sower, Van Nuys, assignors of one-third to N. G. Etges, Los Angeles, Calif. Carburetor. 1,846,789; Feb. 23.
Bush, John C., Aliquippa, Pa., assignor to The National Supply Company, Toledo, Ohio. Pipe slip. 1,874,440; Aug. 30.
Bush Manufacturing Company, The. (See Mason, A. J., and Tancred, assignors.)
Bush Manufacturing Company, The. (See Seward, Owen L., assignor.)
Bush, Rankin J., Jeannette, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure regulating valve device. 1,887,578; Nov. 15.
Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck construction. 1,853,601; Apr. 12.
Bush, Sidney J., Los Angeles, Calif. Electric heating unit for tanks. 1,842,655; Jan. 26.
Bush, Vannevar. (See Spencer, J. A., and Bush.)
Bush, Vannevar, Belmont, assignor to Cambridge Laboratories, Inc., Cambridge, Mass. Refrigeration. 1,846,307; Feb. 23.
Bush, Vannevar, Belmont, assignor to Spencer Thermostat Company, Cambridge, Mass. Valve. 1,859,580; May 24.
Bush, Vannevar, Belmont, assignor to General Plate Company, Attleboro, Mass. Thermostat. 1,870,235; Aug. 9.
Bush, Vannevar, West Medford, assignor to Raytheon, Inc., Cambridge, Mass. Gaseous conduction device. 1,880,014; Sept. 27.
Bushon, John W., incompetent; B. I. Sharpe, guardian, Tampa, Fla. Cigar cutter. 1,850,314; Mar. 22.
Busher, Herbert H., St. Paul, Minn. Hypodermic syringe. 1,846,036; Feb. 16.
Bushey, Donald H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical detector mechanism for drop box looms. 1,873,109; Aug. 23.
Bushmeyer, Henry G., and A. W. Card, Mineola, N. Y., assignors to Aero Pickup Service Corp. Airplane pickup device. 1,892,381; Dec. 27.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 1,852,554; Apr. 5.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control system for railroads. 1,852,555; Apr. 5.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Brake applying apparatus. 1,855,595; Apr. 26.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Brake applying apparatus. 1,855,596; Apr. 26.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Brake applying apparatus. 1,855,597; Apr. 26.
Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,876,566; Sept. 13.
Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,877,553; Sept. 13.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Brake applying apparatus. 1,877,554; Sept. 13.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control system for railroads. 1,877,555; Sept. 13.
Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Distributing apparatus. 1,853,546; Apr. 12.
Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Mast distributing apparatus. 1,891,899; Dec. 27.
Bushnell, Lyman S., assignor to The Freeport Sulphur Company, Freeport, Tex. Treating sulphur. 1,844,634; Feb. 9.
Bushnell, Myron B., Los Angeles, Calif. Paper feeder. 1,876,606; Sept. 13.
Bushong, Ivan C., Lawrence, Kans., assignor of three-fifths to H. H. Sims and one-fifth to H. Howery, Kansas City, Mo. Multiple rate meter. 1,889,632; Nov. 29.
Business Systems Limited. (See Smith, Walter H., assignor.)
Buskett, Evans W., Joplin, Mo. Apparatus for treating metallic ores. 1,887,286; Nov. 8.
Buskett, Evans W., Joplin, Mo. Process of and apparatus for treating metallic ores. 1,885,412; Nov. 1.
Buss Aktiengesellschaft. (See Buss, Walter, assignor.)
Buss, Carl, West Pittston, Pa. Emblem. Des. 87,507; Aug. 9.
Buss, Walter, assignor to Buss Aktiengesellschaft, Basel, Switzerland. Extractor. 1,859,497; May 24.
Bussdicker, Frederick R. (See Isaacson, M., Loudy, and Bussdicker.)
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway truck structure. 1,882,207; Oct. 11.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 1,882,239; Oct. 11.

Busse, Warren F., Akron, Ohio. Process and apparatus for treating seeds. 1,846,510; Feb. 23.

Bussei, Ettore, Florence, assignor to Officine Lombarde Apparecchi di Precisione O. L. A. P. Societe Anonima, Milan, Italy. Process and apparatus for ascertaining the ordnance data necessary for firing missiles into the air. 1,849,611; Mar. 15.

Busser, Frank J., et al., trustees. (See Cassidy, Thomas A., assignor.)

Bussey, Allan C., Minneapolis, Minn. Pencil and pencil set. 1,856,463; May 3.

Bussien, Richard, Berlin, assignor to Voran Automobilbau-Aktiengesellschaft, Berlin, Germany. Motor vehicle. 1,847,749; Mar. 1.

Bussler, Louis T., Ashton, Md. Detergent composition and making the same. 1,861,685; June 7.

Bussman, Anthony P., et al. (See Duber, John A., assignor.)

Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,875,415; Sept. 6.

Bussmann, Henry T., St. Louis, Mo. Electric fuse and assembling the same. 1,881,351; Oct. 4.

Bussmann, Wilhelm, Berlin, assignor to Siemens-Schuckwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Rotary tiller. 1,843,119; Feb. 2.

Bustamante, Cesar, New York, N. Y. Advertising novelty. 1,855,076; Oct. 25.

Bustillos, Manuel, Santiago, Cuba. Portable see-saw. 1,865,612; July 5.

Buswell, Arthur M., Urbana, Ill. Treating gelatinous and colloidal materials. 1,847,080; Mar. 1.

Buswell, Arthur M., Urbana, and C. S. Boruff, Monmouth, Ill. Apparatus for producing methane. 1,880,772; Oct. 4.

Buswell, Arthur M., Urbana, and C. S. Boruff, Monmouth, assignors to Board of Trustees of the University of Illinois, Urbana, Ill. Cellulose digestion. 1,880,773; Oct. 4.

Butcher, Lilian M., Rhos-on-Sea, Colwyn Bay, North Wales. Hair net. 1,848,993; Mar. 8.

Butcher, Lilian M., Rhos-on-Sea, Colwyn Bay, North Wales. Protector or covering for the head of a person for use in the process of permanent hair waving. 1,853,114; Apr. 12.

Butler Aircraft Corporation. (See Norquist, Victor C., assignor.)

Butler, Arthur J., San Francisco, and J. T. Williams, Richmond, assignors of one-third to J. M. Meyer, Berkeley. Automatic electric safety switch. 1,845,234; Feb. 16.

Butler, Benjamin J., Somerville, Mass., assignor, by mesne assignments, to General Electric Company. Electrostatic condenser. 1,841,571; Jan. 19.

Butler, Benjamin J., Somerville, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,841,572; Jan. 19.

Butler, Benjamin J., Somerville, Mass., assignor, by mesne assignments, to General Electric Company. Capacitor and forming the same. 1,862,297; June 7.

Butler, Benjamin J., Somerville, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,869,161; July 26.

Butler, Benjamin J., Somerville, Mass., assignor, by mesne assignments, to General Electric Company. Paper condenser winding machine. 1,881,170; Oct. 4.

Butler, Charles R., et al. (See Dean, C. L., and Hilton, assignors.)

Butler, Charles R., Indianapolis, Ind. Piston. 1,842,745; Jan. 26.

Butler, Charles R., Indianapolis, Ind. Alloy piston. 1,891,914; Dec. 27.

Butler, Charles W., Wilkinsburg, and A. T. Johnston, Mount Lebanon, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,855,324; Nov. 1.

Butler, Clyde G. (See Harris, C., and Butler.)

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Pumping apparatus. 1,844,469; Feb. 9.

Butler, Clyde G. assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricator. 1,850,965: Mar. 22.

Butler, Clyde G., assignor to The Cincinnati Roll Crank Company, Cincinnati, Ohio. Lubricating apparatus. 1,851,926; Mar. 29.

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricant supply pump. 1,853,602; Apr. 12.

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricating apparatus. 1,854,688; Apr. 19.

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Portable grease dispensing pump. 1,861,230; May 31.

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Submerged pump. 1,870,192; Aug. 2.

Butler, Edgar M., Brooklyn, assignor of twenty-five per cent to A. Jordahl, New York, N. Y. Motor. 1,860,492; May 31.

Butler, Edward A., assignor, by mesne assignments, to Robert Donner, Buffalo, N. Y. Apparatus for observing rapidly moving objects. 1,880,774; Oct. 4.

Butler, Edward A., Buffalo, and T. R. Olive, New York, assignors, by mesne assignments, to R. Donner, Buffalo, N. Y. Stroboscopic apparatus. 1,854,980; Apr. 19.

Butler, Fabius M., Seattle, Wash. Accelerator attachment for motors. 1,853,504; Apr. 12.

Butler, Frank G., Fargo, N. Dak. Door operating and locking mechanism. 1,888,217; Nov. 22.

Butler, George, and W. F. Zurcher, Niles, Ohio. Roll polisher for sheet tin and jobbing mills. 1,863,237; June 14.

Butler, H. W., et al. (See Schmelz, John J., assignor.)

Butler, Joseph M., Vernon, N. Y. Fish line drying reel. 1,877,444; Sept. 13.

Butler, Leland K., Manchester, N. H., assignor, by mesne assignments, to Excel Taping Machine Co., Lynn, Mass. Machine for applying tape to sheet units. 1,871,658; Aug. 16.

Butler, Leo M., assignor to Boeing Airplane Company, Seattle, Wash. Grinding tool. 1,881,042; Oct. 4.

Butler, Leo M., assignor to Boeing Airplane Company, Seattle, Wash. Bolt-end spinning tool. 1,885,986; Nov. 1.

Butler, Leonard F. G. (See Fedden, A. H. R., and Butler.)

Butler Manufacturing Company. (See Birdsall, Edward T., assignor.)

Butler Manufacturing Company. (See Norquist, Victor C., assignor.)

Butler, Noble C., Anderson, Ind. Article dispensing package. 1,865,232; June 28.

Butler, Reginald A., and A. T. Matthews, Thomaston, Ga., assignors to The B. F. Goodrich Company, New York, N. Y. Package and making the same. 1,870,399; Aug. 9.

Butler, Richard T., Minden, La. Arbor for shell reamers. 1,874,441; Aug. 30.

Butler, Robert, Boston, Mass. Wrench. 1,851,562; Mar. 29.

Butler, Robert S., Los Angeles, Calif., assignor, by mesne assignments, to Vacuumbeer Manufacturing Company. Filter apparatus. Re18,369; Mar. 1.

Butler, Thomas H., assignor of one-fourth to J. J. Pastore and one-fourth to J. Pastore, Jersey City, N. J. Sun window for moving vehicles. 1,846,842; Feb. 23.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash drawer and making the same. 1,840,485; Jan. 12.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash drawer and signal therefor. 1,854,176; Apr. 19.

Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Compound lining machine. 1,865,830; July 5.

Butler, William H., New York, N. Y. Three wheel pleasure automobile. Des. 87,045; May 31.

Butler, William H., New York, N. Y. Automobile coupé. Des. 87,046; May 31.

Butler, William H., New York, N. Y. Pleasure car. Des. 87,381; July 19.

Butler, William J., Edgewood, and J. J. Flynn, assignors to Henry Lederer & Bro., Inc., Providence, R. I. Lighter. 1,874,892; Aug. 30.

Butler, William L. (See Walsh, N. J., and Butler.)

Butler, William L., assignor to Weber Electric Company, Schenectady, N. Y. Snap switch. 1,873,110; Aug. 23.

Butler, William L., and W. H. Fabrey, assignor to Weber Electric Company, Schenectady, N. Y. Electrical switch. 1,880,775; Oct. 4.

Bütow, Walter, assignor to Elektrizitats-Actien-Gesellschaft vorm. W. Lahmeyer & Co., Frankfort-on-the-Main, Germany. Segregating and differential transformer. 1,866,751: July 12.

Butt, Frederic W., Brooklyn, and A. McGary, New York, N. Y. Ventilator. 1,860,135; May 24.

Butte, Paul C. (See Champlin, S. H., Cutter, Kasten, and Butte.)

Butte, Paul C., San Francisco, Calif. Electric switch. 1,872,618; Aug. 16.

Butterfass, Carl W., Young American, assignor of one-half to Edward Williamson, Bongard, Minn. Combination screen and window construction for vehicles. 1,870,400; Aug. 9.

Butterfield, Arthur B. (See Hatch, R. F., and Butterfield.)

Butterfield, Joseph T., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact. 1,871,332; Aug. 9.

Butterfield, Percy L., Springfield, assignor to R. W. Boyden and C. A. Dana, receivers of The Fisk Rubber Company, Chicopee Falls, Mass. Continuous weighing device. 1,876,396; Sept. 6.

Butterfield, Vernon J., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,879,072; Sept. 27.

Butterick Publishing Company, The. (See Yohns, Paul, assignor.)

Butterly, James F., Columbus, Ohio. Tobacco pipe. 1,853,603; Apr. 12.

Butters Manufacturing Company. (See Perkins, B. Y., Wellborn, and Starke, assignors.)

Butters, Robert H., Atlanta, Ga. Milling cutter for forming gin or linter saw teeth. 1,857,428; May 10.

Butterworth, Arthur, and N. J. Viken, Johannesburg, Transvaal, South Africa. Electrical means for operating or raising and lowering railway booms and the like. 1,870,919; Sept. 27.
Butterworth, Arthur B., Brooklyn, N. Y., assignor to Butterworth System, Inc. Cleaning machine. 1,876,607; Sept. 13.
Butterworth, Carl E. (See Schwab, J. W., and Butterworth.)
Butterworth, H. W., & Sons Company. (See Bell, William E. H., assignor.)
Butterworth, H. W., and Sons Company. (See Butterworth, Harry W., jr., assignor.)
Butterworth, H. W., & Sons Company. (See Butterworth, H. W., jr., and Molt, assignors.)
Butterworth, H. W., & Sons Company. (See Rowley, William S., assignor.)
Butterworth, Harry W., jr., Philadelphia, Pa., assignor to H. W. Butterworth and Sons Company. Cloth clamp. 1,840,486; Jan. 12.
Butterworth, Harry W., jr., Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company. Mercerizing. 1,861,490; June 7.
Butterworth, Harry W., jr., Philadelphia, Pa., and A. H. Molt, Gloucester, N. J., assignors to H. W. Butterworth & Sons Company. Cloth clamp. 1,850,776; Oct. 4.
Butterworth, Josephine M., et al. (See Butterworth, Samuel D., asignor.)
Butterworth, Samuel D., assignor of one-half to J. M. Butterworth, Detroit, Mich., and one-half to C. P. Gable, Gable, South Carolina. Clamping apparatus. 1,873,819; Aug. 23.
Butterworth, Samuel D., assignor to Evans Products Company, Detroit, Mich. Automobile tie-down. 1,889,633; Nov. 29.
Butterworth System, Inc. (See Butterworth, Arthur B., assignor.)
Buttfield, Gibson, Plainfield, N. J. Apparatus for controlling humidity. 1,844,942; Feb. 16.
Butticci, John, San Francisco, Calif. Portable fruit press. 1,883,747; Oct. 18.
Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Sheet supplying device for printing machines. 1,868,381; July 19.
Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Cylinder printing press. 1,871,838; Aug. 16.
Büttner, Max, Dresden-Laubegast, assignor to O. Michalk, Freital, near Dresden, Germany. Gear. 1,847,591; Mar. 1.
Buttner, William C., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Regulator valve. 1,859,151; May 17.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Producing chemical reactions by the influence of radiant energy. 1,844,420; Feb. 9.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for producing chemical reactions by the influence of radiant energy. 1,844,421; Feb. 9.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Dial control. 1,844,839; Feb. 9.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Oscillator. 1,861,561; June 7.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous discharge device. 1,861,562; June 7.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Combination gap and condenser for high frequency circuits. 1,861,621; June 7.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Condenser. 1,861,622; June 7.
Button, Bland B., Chicago, Ill. Collapsible garment hanger. 1,886,869; Nov. 8.
Button, Clarence, and M. E. Esty, assignors of one-third to Stephen L. Van Voorhis, Canandaigua, N. Y. Hydraulic power transmission. 1,887,229; Nov. 8.
Buttner, George W., Corporation. (See Sierad, Albert E., assignor.)
Button, Raymond M. D., Coleford, Bath, England. Mine and like signaling apparatus. 1,874,893; Aug. 30.
Buttonless Tire Cover Company, The. (See George, Edgar E., assignor.)
Buttress, George A., Los Angeles, Calif. Making rib lath. 1,844,144; Feb. 9.
Buttress, George A., Los Angeles, Calif. Mechanism for forming lath panels. 1,867,727; July 19.
Buttress, George A., assignor to F. and B. Holding Company, Los Angeles, Calif. Forming facing sheets for fabricated laths. 1,859,354; May 24.
Buttress, Joseph A., South Pasadena, Calif., assignor of one-half to G. Parker Jackson, Miss. Internal gripping device. 1,887,009; Nov. 8.
Buttron, Willard C., Albany, N. Y., assignor to General Electric Company. Magnetic separator. 1,889,349; Nov. 29.
Butts, Cornelius L., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Metal shovel handle. 1,843,120; Feb. 2.
Butts, George W., Wynnewood, Pa. Container for transporting stacked articles. 1,875,702; Sept. 6.
Butts, Jean G., Cato, N. Y. Transplanting device. 1,889,820; Dec. 6.
Butusov, Emil P., Hollywood, assignor of one-half to D. Lewy, Chicago, Ill. Elevator signaling system. 1,844,145; Feb. 9.
Butz, Charles H., assignor to The Denver Fire Clay Company, Denver, Colo. Burner. 1,841,169; Jan. 12.
Butz, Walter D., Norristown, assignor of one-half to L. N. D. Williams, Elkins Park, Pa. Selective needle control mechanism for knitting machines. 1,847,592; Mar. 1.
Butzbach, Otto, Chicago, Ill. Laundry apparatus. 1,872,401; Aug. 16.
Butzen, John J., assignor to American Chair Company, Sheboygan, Wis. Knockdown woven furniture. 1,856,315; May 3.
Butzer, Eugene, Basel Switzerland, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,848,314; Mar. 8.
Buwalda, Abraham G., assignor to Woodrow Washing Machine Company, Pella, Iowa. Engine frame. 1,881,043; Oct. 4.
Buxbaum, Joseph, Brooklyn, N. Y. Hat block. 1,852,767; Apr. 5.
Buxton, Warner R., Longmeadow, Mass. Bill fold. Des. 86,351; Mar. 1.
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,866,643; July 12.
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,870,893; Aug. 9.
Byalski, Joseph P., Worcester, Mass. Package for tape. 1,851,661; Mar. 29.
Buysse, Charles E., Detroit, Mich. Furnace. 1,860,887; May 31.
Buzzell, Leura M., Oakland, Calif. Kitchen utensil. 1,846,308; Feb. 23.
Byars, Edgar W., Gosaen, Ind. Wringer mop. 1,855,180; Apr. 26.
Byars, Edgar W., Goshen, Ind. Wringer mop. 1,880,777; Oct. 4.
Byars, Verda B., Goshen, Ind. Mop. 1,855,181; Apr. 26.
Byck, Lawrence, Tottenville, assignor to Bakelite Corporation, New York, N. Y. Phenolic condensation products and making same. 1,887,853; Nov. 15.
Bye, Mortimer. (See Merrell, C. G., and Bye.)
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,849,362; Mar. 15.
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,872,115; Aug. 16.
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,872,242; Aug. 16.
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Drawing press. 1,888,450; Nov. 22.
Byerlein, Erle J., and F. Graf, jr., Wauwatosa, assignors to Milwaukee Foundry Equipment Co., Milwaukee, Wis. Briquetting machine. 1,860,075; May 24.
Byerly, Robert W. (See Van Ness, Henry E., assignor.)
Byers, A. M., Company. (See Aston, J., and Beale, assignors.)
Byers, A. M., Company. (See Wille, Fredrik H., assignor.)
Byers, Harry J., Beaumont, Tex. Flow controlling apparatus. 1,850,778; Oct. 4.
Byers, Horace G., Montclair, N. J., assignor to Rubber Service Laboratories Company, Akron, Ohio. Manufacture of a vulcanized rubber product. 1,885,509; Nov. 1.
Byers Machine Company, The. (See Beckwith, Henry C., assignor.)
Byers Machine Company. (See Lotte, Charles H., assignor.)
Byfield, Albert H., Chicago, Ill. Heating system. 1,863,712; June 21.
Byford, Horace. (See Martin, Robert P., assignor.)
Byhre, Jacob, Chicago, Ill. Mortar hawk. 1,865,885; July 5.
Byles, Frank A., Scotia, N. Y., assignor to General Electric Company. Electrical regulating system. 1,865,410; June 28.
Byles, Frank A., Schenectady, N. Y., assignor to General Electric Company. Power system. 1,870,037; Aug. 2.
Byles, Frank A., Schenectady, N. Y., assignor to General Electric Company. Power system. 1,870,092; Aug. 2.
Bynum, Hugh R., Memphis, Tenn. Manicure tool. 1,888,218; Nov. 22.
Bynum, Pink T., Callihan, Tex. Automobile rack. 1,858,355; May 17.
Bynum, Pink T., Callihan, Tex. Bending and straightening device. 1,860,171; May 24.
Bynum, Pink T., Callihan, Tex. Pin and bushing removing tool. 1,861,079; May 31.
Byrd, Arthur E., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Stop motion mechanism for knitting machines. 1,855,335; Apr. 26.
Byrd, Charles W., Corsicana, Tex. Jerk line break out pulley. 1,853,547; Apr. 12.

Byrd, Harvey S., Norfolk, Va. Phonograph attachment for moving picture machines. 1,841,767; Jan. 19.

Byrd, Hugh L., Stockport, assignor to Drey, Simpson & Company, Limited, South Reddish, near Stockport, England. Machine for cutting the pile of weft-pile fabrics. 1,875,703; Sept. 6.

Byrd, William H., New Orleans, La. Ink rolling mill. 1,863,851; June 21.

Byrne, Clarence O. (See Forbes, A. L., jr., and Byrne.)

Byrne, Edward C., and A. J. Klingel, South Bend, Ind. Overalls for use in parts. 1,841,710; Jan. 19.

Byrne, John A. (See O'Brien, R. H., and Byrne.)

Byrne, John F., Pittsburgh, Pa., assignor to The Koppers Company, a Delaware Corporation. Manufacturing gas and carbonized fuel. 1,872,883; Aug. 23.

Byrne, Kingston & Company. (See Carlston, W. S., and Hieger, Augustus.)

Byrne Manufacturing Company, The. (See Dillhoefer, Henry M., jr., assignor.)

Byrne, Ralph, Kansas City, Mo. Extension rack for truck beds. 1,864,637; June 28.

Byrnes, Thomas, jr., Chicago, Ill. Caisson construction. 1,847,814; Mar. 1.

Byrns, William A., Indianapolis, Ind. Hat pressing machine. 1,849,071; Mar. 15.

Byrnes, Clarence P., trustee. (See James, Joseph H.)

Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)

Byrnes, Clarence P., Swickley, Pa. Valve for furnace regenerative chambers. 1,864,866; Feb. 9.

Byrnes, Clarence P., Swickley, Pa. Regenerator system. 1,844,867; Feb. 9.

Byrnes, Harvey F., Schenectady, N. Y., assignor to General Electric Company. Transmitting system. 1,857,137; May 10.

Byrnes, Townsend & Potter. (See Williams, Walter G., assignor.)

Byrod, Frederick R., Sunbury, Pa., assignor to Susquehanna Silk Mills. Color discharge printing. 1,864,582; June 28.

Byron-Jackson Co. (See Smith, N. K., assignor.)

Byron-Jackson Co. (See Smith, Nelson K., assignor.)

Byron, Kenneth M. (See Higbee, J. F., and Byron.)

Byron, Kenneth M., assignor to S. A. Griggs, Detroit, Mich., Trailer, Ltd. 1,858,878; May 17.

Byskan Glazing Limited. (See Shrosbree, A. de B., and Byskou, assignors.)

Byskou, Ejnar A. R. (See Shrosbree, A. de B., and Byskou.)

Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Torsion released dies. 1,858,390; May 17.

Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Chaser. 1,860,542; July 12.

Bywater, Norbert W., Louisville, Ky. Store door pick up and delivery system. 1,883,558; Oct. 18.

Bywaters, Wilfred M., Woodbridge, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar and rectification of the distillate therefrom. 1,847,741; Feb. 9.

C and C Developing Company. (See Cherry, Louis B., assignor.)

C & C Engineering Co. (See Carrey, John O., assignor.)

C. E. Manufacturing Co. (See Coby, G., and Kauer, assignors.)

C. H. & E. Manufacturing Company. (See Macdonald, Jasper, assignor.)

C. R. C. Air Cleaner Company, The. (See Cartmell, John, assignor.)

C. R. C. Air Cleaner Company. (See Runyon, Roy K., assignor.)

C-S Engineering Company. (See Schellens, Eugene L., assignor.)

C-S Engineering Company. (See Wheeler, C. W., and Wilis, assignors.)

Cabell, Charles. (See Underwood, J. E., and Cabell.)

Cabell, Philip M., New York, N. Y. Apparatus for gasifying liquid fuel. 1,841,362; Jan. 19.

Cabell, Philip M., New York, N. Y. Gasifying liquid fuel. 1,852,734; Apr. 5.

Cable, George W., La Jolla, Calif. Attachment for boats. 1,840,185; Jan. 5.

Cable, Julius L., Boston, Mass. Upholstered chair. 1,860,381; May 31.

Cabell, Martha O., San Diego, Calif. Doll. Des. 88,628; Dec. 13.

"Cabin Crafts". (See Westcott, George L., assignor.)

Cable, Rupert W., Greensboro, N. C. Coin controlled vending apparatus. 1,867,496; July 12.

Cabot Co. (See Duerr, Winslow A., assignor.)

Cabot, Sewall, Brookline, Mass. Resistance-tuned circuit. 1,853,004; Apr. 12.

Caccia, Pio, Chicago, Ill. Making and freshening cheese. 1,847,210; Mar. 1.

Cache, Edmond L., St-Quentin, France. Power transmission for motor road vehicles and the like. 1,878,375; Sept. 20.

Cacy, Ora. (See Munn Elvin R., assignor.)

Cadbury, George N., West Bromwich, England. Brake control. 1,885,588; Nov. 1.

Cadden, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making hose. 1,886,639; Nov. 8.

Cade, John E. (See Witry, L. W., and Cade.)

Cadgene, Ernest. (See Rivat, G., Cadgene, and Dreyfus.)

Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Apartment house telephone. 1,857,107; May 3.

Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Gas tube transformer and socket. 1,862,503; June 7.

Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Gas signal light apparatus. 1,886,326; Nov. 1.

Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Annunciator panel. 1,888,584; Nov. 22.

Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Fruehauf Trailer Company, Detroit, Mich. (Trailer vehicle. 1,847,541; Mar. 1.

Cadwell-Baird Iron Works. (See Cadwell, Ralph K., assignor.)

Cadwell, Charles A., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bonding. 1,852,694; Apr. 5.

Cadwell, Charles A., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding electrode. 1,871,257; Aug. 9.

Cadwell, Harold W. (See Harris, C. C., and Cadwell.)

Cadwell, Leslie B., and E. Isenbarger, Indianapolis, Ind. Tractor wheel traction chain. 1,841,400; Jan. 19.

Cadwell, Leslie E., assignor to Headless Multiple Motor Corporation, Indianapolis, Ind. Gas engine. 1,859,946; Dec. 6.

Cadwell, Ralph K., Glendale, assignor to Cadwell-Baird Iron Works, Los Angeles, Calif. Auto brake testing machine. 1,889,735; Nov. 29.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,840,932; Jan. 12.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,843,443; Feb. 2.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,844,943; Feb. 16.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Vulcanizing rubber and products obtained thereby. 1,852,444; Apr. 5.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber with aldehyde derivatives, and products. 1,855,336; Apr. 26.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,871,036; Aug. 9.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,871,037; Aug. 9.

Cadwell, Sidney M., Grosse Pointe Park, Mich., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Vulcanization of rubber and similar materials. 1,871,038; Aug. 9.

Cadwell, Sidney M., Leonia, and L. Meuser, Bergenfield, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,839,950; Jan. 5.

Cady, John E., assignor to G. & J. Tire Company, Indianapolis, Ind. Apparatus for continuously weighing strip material. 1,871,039; Aug. 9.

Cady, Sherman W., Perry, N. Y., and G. M. Kriegbaum, Richmond, Ind., assignors to International Harvester Company. Knockdown grain drill hopper. 1,864,294; June 21.

Cady, Walter G., Middletown, Conn., assignor to Radio Corporation of America. Electromechanical system. 1,860,529; May 31.

Caesar, John and S. Eggleston, St. Paul, assignors to Standard Conveyor Company, North St. Paul, Minn. Automatic transfer apparatus for conveyers. 1,879,073; Sept. 27.

Caesar, Orville S., Chicago, Ill., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater. 1,859,429; May 24.

Caffero, Michael J., Brooklyn, N. Y. Insulating bushing. 1,846,712; June 28.

Cage, James, Valley Stream, N. Y. Power transmission mechanism. 1,848,315; Mar. 8.

Cage, John M., Los Angeles, Calif., assignor, by mesne assignments, to Electric Separation Company, Limited, New York, N. Y. Insulator bushing for electrical petroleum dehydrators. 1,887,010; Nov. 8.

Cagliero, Antony J., New York, N. Y. Copy holder. 1,877,807; Sept. 20.

Cagliostro, Antony, J., New York, N. Y. Sugar dispenser. 1,877,808; Sept. 20.

Cagnazzo, Angelo, San Francisco, Calif. Accordion. 1,853,799; Apr. 12.

Cahill, Robert B., Upper Macopin, N. J. Liquid motor. 1,861,951; June 7.

Cahill, Vincent W., et al. (See Siegel, Max J., assignor.)

Cahn, Frank J. (See Miller, H. J., and Cahn.)

Cahn, Leon J., New York, N. Y. Attachment plug receptacle or similar device. Des. 87,428; July 26.

Cahn, Stanley L., assignor to Publicity Service, Inc., Baltimore, Md. Display card. 1,855,822; Apr. 26.
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company. Suspenders. Des. 87,382; July 19.
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company. Suspenders. Des. 87,383; July 19.
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company, Newark, N. J. 1,860,779; Oct. 4.
Cahoon, Brent F., et al. (See Jones, Clarence M., assignor.)
Cahoon, Ernest L. (See Dean, D. K., and Cahoon.)
Cahoon, Sidney E., and W. Bachelder, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Precoating device. 1,871,878; Aug. 16.
Cahoon, William F., Birmingham, Ala., assignor to The Filer & Stowell Company, Milwaukee, Wis. Transmitter for fluid pressure and electric current. 1,880,780; Oct. 4.
Cahusac, Noel, assignor to The Furnell Manufacturing Corporation, Newark, N. J. Electric condenser. 1,844,930; Feb. 16.
Caille, Adolph A., assignor to Caille Meter Company, Detroit, Mich. Personal weighing scale. 1,843,479; Feb. 2.
Caille Motor Company. (See Caille, Adolph A., assignor.)
Caillet, Robert. (See Mutrux, M., and Caillet.)
Cain, John R., Washington, D. C., assignor to The Richardson Company, Lockland, Ohio. Anodes for iron plating. 1,848,902; Mar. 1.
Cain, John, Chicago, Ill. Camera. 1,887,991; Nov. 15.
Cain, William E. (See Gotthardt, H. R., and Cain.)
Cain, William E., Caille, Ind., and A. E. Cradv, assignors to Logan Co., Inc., Louisville, Ky. Remote control conveyor switch. 1,861,335; May 31.
Caise, Charles H., assignor to Tung-Sol Condensers Inc., Chicago, Ill. Condenser. 1,890,312; Dec. 6.
Caise, Charles H., assignor to Tung-Sol Condensers Inc., Chicago, Ill. Making condensers. 1,890,313; Dec. 6.
Cairncross, Robert L., Chicago, Ill., and Irvin W. Masters, Newark, N. J., assignors to The National Lock Washer Company, Newark, N. J. Wrench. 1,847,640; Mar. 1.
Cairney, David A., Detroit, Mich. Collapsible leg structure for tables. 1,854,248; Apr. 19.
Cairns Development Company. (See Carns, Edmund B., assignor.)
Cairns Development Company et al. (See Carns, E. B. assignor, and Grimes.)
Cairns, Edward, Montclair, N. J. Helmet. 1,889,537; Nov. 29.
Cairns, James S., Gettysburg, Pa. Kitchen cabinet. Des. 86,105; Feb. 9.
Cairns, Theodore L., Lindsay, Calif. Orchard duster. 1,880,781; Oct. 4.
Caise, Charles, Brooklyn, N. Y. Washing machines. 1,878,829; Sept. 20.
Calahan, De Lona, Fairfax, Wash. Bark removing machine. 1,851,156; Mar. 29.
Calbeck, John H., Ferguson, Mo. Making storage battery plates. 1,859,581; May 24.
Calberg, Anton, Cranford, and H. K. Prinz, Linden, N. J. Air and gas mixing device for internal combustion engines. 1,874,894; Aug. 30.
Calby, James A., Montrose, Pa. Airplane propeller. 1,854,644; Apr. 19.
Calco Chemical Company, The. (See Beardsley, A. P., and Dolt, assignors.)
Calco Chemical Company, Inc., The. (See Caspe, J., and Austin, assignors.)
Calco Chemical Company, The. (See Crossley, Moses L., assignor.)
Calco Chemical Company, The. (See Crossley, M. L., and Dolt, assignors.)
Calco Chemical Company, Inc., The. (See Laury, Napoleon A., assignor.)
Calcott, Walter C. (See Schleicher, P. E., and Calcott.)
Calcott, William S., Penns Grove, and A. E. Parmelee, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetra alkyl lead and composition containing the same. 1,843,942; Feb. 9.
Calcott, William S., Penns Grove, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive alcoholic solution. 1,847,711; Mar. 1.
Calcott, William S., Penns Grove, N. J., and F. A. McDermott, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive alcohols. 1,851,493; Mar. 29.
Calcott, William S., Penns Grove, and N. C. Somers, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Phthalic anhydride. 1,854,882; Apr. 19.
Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Antioxidant for rubber. 1,874,895; Aug. 30.
Calcott, William S., Penns Grove, and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making polymers of acetylene. 1,876,857; Sept. 13.
Calcott, William S., Penns Grove, N. J., and Harry H. Reynolds, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pulverulent phosphorus pentoxide. 1,884,558; Oct. 25.
Calcott, William S., Penns Grove, N. J., and I. E. Lee, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gum inhibitor. 1,884,559; Oct. 25.
Caldarella, Jennie, Jackson Heights, N. Y. Ensemble dress. Des. 86,352; Mar. 1.
Caldemeyer, Daniel H., Evansville, Ind. Folding davenport bed. 1,886,081; Nov. 1.
Calderon, Marciano, London, England. Hair waving apparatus. 1,850,618; Mar. 22.
Calderwood, David H., Johnstown, N. Y. Traffic signal circuit. 1,886,523; Nov. 8.
Calderwood, Hugh A., Pittsburgh, Pa., assignor, by mesne assignments, to National Electric Products Corporation. Grounding connection for wiring systems. 1,847,924; Mar. 1.
Caldor, Earl S., New York, N. Y. Bathing brassière. 1,878,755; Sept. 20.
Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. Des. 87,458; Aug. 2.
Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. Des. 87,459; Aug. 2.
Caldwell, Charles W., Johannesburg, Transvaal, Union of South Africa. Pneumatic spring suitable for vehicles. 1,878,756; Sept. 20.
Caldwell Cypress Cistern Co. (See Caldwell, Edward L., assignor.)
Caldwell, Edwd., F., & Co. (See Tucker, Spencer J., assignor.)
Caldwell, Edward L., assignor to Caldwell Cypress Cistern Co., Inc., Corpus Christi, Tex. Stalk cutter. 1,882,272; Oct. 11.
Caldwell, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Hamilton Standard Propeller Company. Propeller. 1,862,328; June 7.
Caldwell, Frank W., Pittsburgh, assignor, by mesne assignments, to Hamilton Standard Propeller Company, Homestead, Pa. Hub for small propellers. 1,870,401; Aug. 9.
Caldwell, Harold B., Mt. Vernon, N. Y., assignor to Swenson Evaporator Company, Harvey, Ill. Vacuum cooler. 1,865,614; July 5.
Caldwell, John F., Houston, Tex. Artificial tooth. 1,869,047; July 26.
Caldwell, John F., Houston, Tex. Artificial tooth. 1,872,071; Aug. 16.
Caldwell, Joseph A., San Francisco, Calif. Blanket folding device. 1,850,994; Mar. 29.
Caldwell, Wilfred F. (See Schulte, Robert W., assignor.)
Caldwell, William E. (See Leitch, Howard W., assignor.)
Calhoun, Longino F., assignor of one-half to W. R. Hodges, Winona, Miss. Grinder. 1,839,532; Jan. 5.
Calicel Products, Inc. (See Dean, William T., assignor.)
Calico Printers' Association Limited, The. (See Webster, James D., assignor.)
California and Hawaiian Sugar Refining Corporation, Limited, The. (See Iacobitti, Giuseppe, assignor.)
California Cap Company. (See Hammond, John A, assignor.)
California Chemical Corporation. (See Seaton, Max Y., assignor.)
California Chemical Corporation. (See Woodward, Henry T., assignor.)
California Consolidated Water Co. (See Wolfe, Richard C., assignor.)
California Corrugated Culvert Co. (See Gladkov, V., and Hand, assignors.)
California Corrugated Culvert Company. (See Hutton, Arthur R., assignor.)
California Corrugated Culvert Co. (See Norton, Albert C., assignor.)
California Corrugated Culvert Company. (See Wyman, Laurence W., assignor.)
California Fruit Growers Exchange. (See Joseph, Glenn H., assignor.)
California Packing Corporation. (See Bernier, Henri, assignor.)
California Packing Corporation. (See Goranson, H. and D., assignors.)
California Packing Corporation. (See Norgaard, Hal W., assignor.)
California Packing Corporation. (See Wagner, Arthur assignor.)
California Packing Corporation. (See Youman, Burt C., assignor.)
California Sash, Door & Mill Co. (See Cameron, James R., assignor.)
California Spray-Chemical Corporation. (See Jumper, Royal T., assignor.)
Calkins, Austin E., Westfield, and L. Lassen, Elizabeth, N. J., assignors to Standard Oil Development Company. Sampling device. 1,852,445; Apr. 5.
Calkins, Claude C., Spokane, Wash. Journal bearing. 1,840,617; Jan. 12.
Calkins, Cosmo G., Lansing, Mich. Money sack. 1,850,920; Mar. 22.
Calkins, Frederick A., Waterbury, Conn. Window adjuster. 1,846,989; Feb. 23.

Calkins, Frederick A., Waterbury, Conn. Attachable chain link. 1,846,990 ; Feb. 23.
Calkins, James M., Miami, Fla. Dirigible headlight. 1,841,786 ; Jan. 19.
Call, Lester A., Clinton, Mass. Folding stool. 1,856,805 ; May 3.
Callahan, George F., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Mercury switch. Re18,525 ; July 12.
Callahan, John L., New York, N. Y., assignor to Radio Corporation of America. Wireless receiving apparatus. 1,882,772 ; Oct. 18.
Callahan, Joseph J., Cornwells Heights, Pa. Propeller. 1,863,298 ; June 14.
Callahan, Vincent T., North Bergen, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fuel control mechanism. 1,874,238 ; Aug. 30.
Callahan, William F. (See Copenhaver, P. S., Demonet, and Callahan, assignors.)
Callahan, William F. (See Janson, G. W., and Callahan.)
Callan, Charles T. (See Donegan, V., and M. L., assignors.)
Callard, Robert P., and J. H. Moller, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 1,853,298 ; Apr. 12.
Callard, Robert P., and J. H. Moller, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 1,853,505 ; Apr. 12.
Callaway, Archibald B., Readstown, Wis. Road shoulder maintainer. 1,850,922 ; May 31.
Callaway, James M., St. Louis, Mo. Machine for inserting couplings in flexible hose. 1,848,867 ; Mar. 8.
Callaway, John W., and H. Anderson, Los Angeles, Calif. ; said Anderson assignor to said Callaway. Bookholder. 1,858,525 ; Nov. 22.
Callelo, Modesto, Bronx, N. Y. Lavatory fixture. 1,855,008 ; Apr. 19.
Callender, Bert F., Wichita, Kans. Container for matches and fragments thereof. 1,839,737 ; Jan. 5.
Caller, Raymond E., Scarsdale, N. Y. Dust handling system. 1,844,653 ; Feb. 9.
Callison, Abner F., New York, N. Y. Aeroplane construction. 1,860,076 ; May 24.
Callite Products Company. (See Laise, Clemens A., assignor.)
Callow, Olaf C. (See Whitcomb, A. J., and Callow.)
Calloway, Frank S., assignor to Atlas Tack Corporation, Fairhaven, Mass. Mechanism for sorting buttons or the like. 1,842,442 ; Aug. 30.
Callsen, Albert, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Clutch. 1,855,937 ; Apr. 26.
Callsen, Albert, Stuttgart, Germany, assignor to Westinghouse Electric & Manufacturing Company. Current transformer with primary parallel resistance and flux leakage path. 1,866,045 ; July 5.
Callsen, Albert, Stuttgart, Germany, assignor to Westinghouse Electric & Manufacturing Company. Current transformer. 1,882,773 ; Oct. 18.
Callsen, Jürgen, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc. Therichlor-ethyl urethane salt of 4-dimethyl amino-1-phenyl-2,3-dimethyl pyrazolone. 1,871,950 ; Aug. 16.
Calorizing Company, The. (See Sayles, B. J., and Schultz, assignors.)
Calorizing Corporation of America. (See Rawson, Grant L., assignor.)
Calpha, Arthur J., assignor to Indiana Foundry Machine & Supply Company, Brazil, Ind. Machine tool. 1,858,445 ; Apr. 19.
Calrew Incorporated. (See MacLean, James M., assignor.)
Calton, Robert G., Nashville, Tenn., assignor to Tennessee Enamel Manufacturing Co. Metal furniture fastening. 1,870,173 ; Aug. 2.
Calton, Robert G., Nashville, Tenn., assignor to Tennessee Enamel Manufacturing Co. Metal furniture. 1,870,174 ; Aug. 2.
Calumet Steel Company. (See O'Brien, Chester J., assignor.)
Calvani, Fulvio, Newark, N. J. Saxophone. 1,873,184 ; Aug. 23.
Calvert, Burnell M., Terre Haute, Ind. Automobile lamp. Des. 88,724 ; Dec. 20.
Calvert, Jesse V. (See Sackrider, F. E., Conn., and Calvert.)
Calvert, Robert, Wilmette, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Pyroxylin composition. 1,848,105 ; Mar. 8.
Calvert, Robert, Wilmette, Ill., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Filtration material. 1,851,808 ; Mar. 29.
Calvert, William C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gas cell fabric. 1,846,309 ; Feb. 23.
Calvert, William C., Cuyahoga Falls, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating gas cell fabric. 1,846,790 ; Feb. 23.
Calvert, William C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making viscose-latex coated fabrics. 1,862,604 ; June 7.
Calvignac, Germain. (See Perrot, H., and Calvignac.)

Calvignac, Germain, Mannheim, Germany, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake drum. 1,872,116 ; Aug. 16.
Calwiss Industries, Ltd. (See Orkin, Samuel, assignor.)
Camacho, Lugardo T., Armstead, Mont. Leveling device. 1,862,841 ; June 14.
Cambers, Harry, London, assignor to E. H. Ludlow, Mortlake, England. Pulverized fuel burner. 1,850,277 ; Mar. 22.
Cambridge Instrument Company, The. (See Kruse, Ralph H., assignor.)
Cambridge Laboratories, Inc. (See Bush, Vannevar, assignor.)
Cambridge Rubber Company. (See Crockett, James B., assignor.)
Camboron, Adrien, Montreal, Quebec, Canada, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Accelerator for the vulcanization of rubber. 1,858,577 ; May 17.
Camco (Machinery) Limited. (See Cook, Thomas, assignor.)
Cameo Scale Corporation. (See Gottfried, John, assignor.)
Camden Safe Deposit and Trust Company, The, executor. (See Ames, Elmer U.)
Camden Safe Deposit and Trust Co., executor. (See Ames, E. U., and Horrocks.)
Camel Company. (See Beauchamp, Wilfred A., assignor.)
Camel Company. (See Beauchamp, W. A., and Wasberg, assignors.)
Camel Company. (See Fehr, Eugene J., assignor.)
Camel Company. (See Goodwin, George S., assignor.)
Camel Company. (See Heinen, F. C., and Tobin, assignors.)
Camel Company. (See Krueger, Albert J., assignor.)
Camel Company. (See Lute, Carl, assignor.)
Camel Company. (See Lute, C., and Tobin, assignors.)
Camel Company. (See Tobin, Kenneth J., assignor.)
Camel Company. (See Tobin, K. J., and Barrow, assignors.)
Camel Company. (See Tobin, K. J., Madland, and Treptow, assignors.)
Camel Company. (See Treptow, George R., assignor.)
Camel Company. (See Wasberg, Axel, assignor.)
Camel Company. (See Wasberg, A., and Tobin, assignors.)
Cameron, Alexander S., assignor to W. J. Cameron, Chicago, Ill. Optical apparatus. 1,886,939 ; Nov. 8.
Cameron, Alexander S., assignor to W. J. Cameron, Chicago, Ill. Instrument and method for examining, testing and exercising the eyes. 1,887,708 ; Nov. 15.
Cameron Can Machinery Co. (See Cameron, William, assignor.)
Cameron, Charles E., jr., East Orange, assignor to Lauter-Humana Co., Newark, N. J. Piano action. 1,866,152 ; July 5.
Cameron, Colin J., Amesbury, Mass. Archer's bow. 1,847,593 ; Mar. 1.
Cameron, Daniel W., Grand Island, Nebr. Burglar ward. 1,885,180 ; Nov. 1.
Cameron, Frederick C., Lumberton, N. C. Artificial fish bait. 1,857,939 ; May 10.
Cameron, Frederick S., Dorchester, and A. B. Jones, Brookline, assignors to J. H. Dodge, H. R. Sinclair, Worcester, and L. C. Smith, Newton, Mass., trustees. Open-ended reversible ratchet wrench. 1,890,213 ; Dec. 6.
Cameron, Hugh M., Woodhaven, assignor to John Chatillon & Sons, New York, N. Y. Weighing scale. 1,871,659 ; Aug. 16.
Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,863,619 ; June 21.
Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting webs of flexible material. 1,865,302 ; June 28.
Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,867,059 ; July 12.
Cameron, James A., Brooklyn, N. Y., and R. M. Johnstone, Roselle Park, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Preventing post-winding welts. 1,867,550 ; July 19.
Cameron, James R., assignor to California Sash, Door & Mill Co., Ltd., Los Angeles, Calif. Automatic machine for forming ironing boards and the like. 1,839,196 ; Jan. 5.
Cameron, L. K. (See Underwood, Gates E., assignor.)
Cameron Machine Company. (See Cameron, James A., assignor.)
Cameron Machine Company. (See Cameron, J. A., and Johnstone, assignors.)
Cameron, Mortimer B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track skate. 1,851,347 ; Mar. 29.
Cameron, Mortimer B., Edgewood, Pa., assignor, by mesne assignments, to Universal Draft Gear Attachment Company, Chicago, Ill. Friction draft gear. 1,880,782 ; Oct. 4.
Cameron, Robert T., Memphis, Tenn. Cigar tip perforator. 1,882,273 ; Oct. 11.
Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Soldering device for can machines. 1,883,539 ; Oct. 18.

Cameron, William J. (See Cameron, Alexander S., assignor.)
Cameron, William J. (See Grothe, Arthur A., assignor.)
Cameron, William J. (See Lowry, Nelson H., assignor.)
Cameron, William J. (See Pine, Harry E., assignor.)
Cameron, William M. (See Dreyfus, C., Cameron, and Schneider.)
Cameron, William McC. (See Dreyfus, C., Cameron, and Schneider.)
Cameron, William McC., New York, N. Y., and F. J. Williams, Cumberland, Md., assignors to Celanese Corporation of America. Hosiery. 1,884,860; Oct. 25.
Camerota, Louis A., Burlington, N. J., assignor to Walter Wood, Philadelphia, Pa. Stop for trackways. 1,850,446; Mar. 22.
Camerota, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Flask hopper. 1,854,154; Apr. 12.
Camerota, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Roller conveyer. 1,863,520; June 14.
Cammen, Robert W., Mount Vernon, N. Y. Dental floss holder. 1,879,074; Sept. 27.
Cammarata, Angelo. (See Capocci, Pompeo, assignor.)
Cammen, Leon, New York, N. Y. Pipe making machinery. 1,875,560; Sept. 6.
Cammen, Leon, New York, N. Y. Machinery for making welded pipe. 1,878,376; Sept. 20.
Camp, Clarence L., Spokane, Wash. Excavator and conveyer for contractors' use. 1,852,200; Apr. 5.
Camp, Clifford. Assignor to The Woodcraft Corporation, Bay City, Mich. Smoking stand. Des. 87,145; June 14.
Camp, Curtis B. (See Spohr, Carl W., assignor.)
Camp, Curtis B., trustee. (See Bracke, Robert F., assignor.)
Camp, Curtis B., trustee. (See Bradbury, Clifford C., assignor.)
Camp, Curtis B., trustee. (See Bradbury, C. C., and Bracke, assignors.)
Camp, Curtis B., trustee. (See Stokes, Charles L., assignor.)
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Hand brake mechanism. 1,841,573; Jan. 19.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Automatic slack adjuster. 1,861,433; June 7.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Automatic slack adjuster. 1,862,136; June 7.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Hand brake. 1,872,063; Aug. 16.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster. 1,879,075; Sept. 27.
Campagna, Salvatore, J. Alesse, and B. Laviano, San Jose, Calif. Shoe stretcher. 1,850,339; Mar. 22.
Campaigne, William D., Spooner, Wis. Thread chaser. 1,857,493; May 10.
Campbell, A. S., Company. (See Campbell, Alphonso S., assignor.)
Campbell, A. S., Company. (See Kubler, Frederick J., assignor.)
Campbell, Acheson M., assignor to The Mosler Safe Company, Hamilton, Ohio. Device for measuring and submitting material to machines. 1,863,005; June 14.
Campbell, Albert R., Covington, Ky., assignor of forty-nine per cent to D. Rubin, Cincinnati, Ohio. Waterproofing compound for cement and concrete. 1,840,566; Jan. 12.
Campbell, Alfred G., Sherbrooke, Quebec, Canada. Razor. 1,888,159; Nov. 15.
Campbell, Alphonso S., Winchester, assignor to A. S. Campbell Company, Boston, Mass. Hanging doors in automobile bodies. 1,865,673; July 5.
Campbell, Alphonso S., Winchester, assignor to A. S. Campbell Company, East Boston, Mass. Vehicle door. 1,850,760; Oct. 4.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway dump car construction. 1,859,296; Jan. 5.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car dump door construction. 1,859,944; Jan. 5.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Ladder for railway cars. 1,844,202; Feb. 9.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door locking mechanism for railway cars. 1,861,152; May 31.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door construction for hopper cars. 1,885,181; Nov. 1.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door and locking means therefor. 1,886,788; Nov. 8.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car construction. 1,889,169; Nov. 29.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car construction. 1,889,170; Nov. 29.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 1,889,171; Nov. 29.
Campbell, Benjamin G., and C. C. Wing, Oakland, Calif. Bottle closure. 1,845,235; Feb. 16.
Campbell, Calvin, assignor to The Colorado Fuel and Iron Company, Denver, Colo. Wall and ceiling board clip. 1,846,583; Feb. 23.
Campbell, Calvin, assignor to The Colorado Fuel and Iron Company, Denver, Colo. Extension clip. 1,883,540; Oct. 18.
Campbell, Carleton W., and S. J. Cook, assignors to Burnair, Inc., Denver, Colo. Gas burner. 1,883,541; Oct. 18.
Campbell, Charles, London, England, assignor to The Tabulating Machine Company, Endicott, N. Y. Total taking device. Re18,611; Oct. 4.
Campbell, Charles, London, England, assignor to The Tabulating Machine Company, New York, N. Y. Controlling mechanism for record-card-controlled statistical machines. 1,880,413; Oct. 4.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Combined check valve and strainer. 1,847,068; Mar. 1.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,856,209; May 3.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Diaphragm actuated valve. 1,860,450; May 31.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,860,451; May 31.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 1,869,048; July 26.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Valve for air brakes. 1,871,109; Aug. 9.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Automotive brake system. 1,871,110; Aug. 9.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air cleaner. 1,871,111; Aug. 9.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,871,210; Aug. 9.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Drain cup for air brakes. 1,885,894; Nov. 1.
Campbell, Charles H., Aspinwall, Pa. Preparing glue stocks. 1,869,881; Aug. 2.
Campbell, Charles S., New Haven, and W. H. Day, East Haven, Conn., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,868,477; July 19.
Campbell, Clarence B., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism. 1,873,226; Sept. 6.
Campbell, Clarence B., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine control mechanism. 1,873,227; Sept. 6.
Campbell, Clarence B., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Auxiliary oil pump regulator. 1,891,618; Dec. 20.
Campbell, Clinton L. (See Field, C., and Campbell.)
Campbell, Colin, Avon, N. J. Receptacle. 1,886,465; Nov. 8.
Campbell, Donald J., Muskegon Heights, Mich. Tire. 1,879,790; Sept. 27.
Campbell, Donald J., Muskegon Heights, Mich. Molding machine. 1,883,542; Oct. 18.
Campbell, Duncan, Detroit, Mich. Package supporter and delivery mechanism. 1,854,446; Apr. 19.
Campbell, Earl E., assignor of one-half to A. J. McClelland, Gillette, Wyo. Demountable rim. 1,890,028; Dec. 6.
Campbell, Edward H., Eccles, W. Va. Sand drier. 1,887,799; Nov. 15.
Campbell, Edward H., Edmonton, Alberta, Canada. Formation testing and well flowing device. 1,889,772; Dec. 6.
Campbell, Elmer J., Logansport, Ind. Automobile window screen. 1,850,864; Mar. 22.
Campbell, Ernest F., assignor to Lummus Cotton Gin Company, Columbus, Ga. Conveyer. 1,854,883; Apr. 19.
Campbell, Ernest F., assignor to Lummus Cotton Gin Company, Columbus, Ga. Material handling apparatus. 1,883,543; Oct. 18.
Campbell, Floyd C., Manning, Iowa. Tractor wheel attachment. 1,843,751; Feb. 2.
Campbell, Frank H., Logan, W. Va. Antiglare screen. 1,845,125; Feb. 16.
Campbell, Frank X., Bronx, N. Y. Mirror. 1,855,095; Apr. 19.
Campbell, Frank X., Bronx, assignor to All-View Mirror Co., Inc., New York, N. Y. Hand mirror. 1,841,520; Jan. 19.
Campbell, George E., assignor to The Wheeland Company, Chattanooga, Tenn. Portable band-saw mill. 1,866,395; July 5.
Campbell, Grant, Short Hills, N. J. Liquid relief apparatus. 1,882,062; Oct. 11.

Campbell, Guy H., assignor to The Kennedy Car Liner & Bag Co., Shelbyville, Ind. Packing envelope. 1,866,963; July 12.

Campbell, Harry E., New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md. Positioning means for window stools. 1,848,045; Mar. 1.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window sash and muntin construction. 1,857,093; May 3.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window frame and sash. 1,858,983; May 17.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Heating apparatus. 1,867,807; July 19.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Attachment hook for safety belts. 1,883,544; Oct. 18.

Campbell, Harry E., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Grid resistance. 1,860,493; May 31.

Campbell, Harry E., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Resistance element. 1,861,434; June 7.

Campbell, James C., New York, N. Y., assignor to Portable Air Hammer Company, Inc. Vacuum power hammer. 1,857,138; May 10.

Campbell, James G. (See Merryweather, James, assignor.)

Campbell, James H., Uxbridge, assignor of one-half to J. D. Moore, Boston, Mass. Internal combustion engine. 1,873,994; Aug. 30.

Campbell, John B., New York, N. Y., assignor, by mesne assignments, to Carthage Mills, Incorporated, Cincinnati, Ohio. Floor covering. Re18,582; Aug. 30.

Campbell, John D., New Rochelle, N. Y. Hairpin. 1,861,109; May 31.

Campbell, John M. (See Boyd, T. A., Lovell, and Campbell.)

Campbell, Julian A. (See Bohnhardt, Charles F. H., assignor.)

Campbell, Julian A., Long Beach, Calif. Absorption. 1,867,136; July 12.

Campbell, Julian A., Long Beach, Calif. Absorption. 1,867,208; July 12.

Campbell, Leon J., Buchanan, Mich. Closure for collapsible tubes. 1,865,233; June 28.

Campbell, Leon J., Buchanan, Mich., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Double clutch transmission. 1,874,896; Aug. 30.

Campbell, Leon J., assignor to Hand's Constant Mesh Transmission Co., Chicago, Ill. Synchronizing clutch for transmission mechanisms. 1,880,784; Oct. 4.

Campbell, Lewis P. (See Smith, H. T., and Campbell.)

Campbell, Lorn, jr., Lakewood, Ohio. Apparatus for utilizing oxygen in treatment of metals. 1,850,379; Mar. 22.

Campbell, Lorn, jr., Lakewood, Ohio. Iceless refrigerator. 1,868,882; July 26.

Campbell, Lorn, jr., Cleveland, Ohio. Land vehicle train. 1,886,640; Nov. 8.

Campbell Metal Window Corporation. (See Blanco, Henry, assignor.)

Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)

Campbell, Nathan G., Newark, and J. J. Yates, North Plainfield, assignors to Newark Warehouse Company, Newark, N. J. Shipping or transporting hollow tile, brick, sprung blocks, pipe, or similar material. 1,855,665; Apr. 26.

Campbell, Neil L., Glendale, assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Pathfinding floor covering. 1,849,357; Feb. 2.

Campbell, Neil L., Glendale, assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Coating and printing process and apparatus therefor. 1,849,275; Mar. 15.

Campbell, Norman R., Watford, England. Manufacture of photo-electric tubes. 1,870,280; Aug. 9.

Campbell, Oliver E., Whiting, Ind., and E. C. Herthel, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Coking heavy oils. 1,872,884; Aug. 23.

Campbell, Parry J., assignor of one-half to F. W. Dilworth, Boyne City, Mich. Automatic bag holder and welcher. 1,856,904; May 3.

Campbell, Patrick J., Newark, N. J. Baker's oven. 1,889,141; Nov. 29.

Campbell, Philip S., Houston, assignor of one-half to M. Culmore, Harris County, Tex. Container. 1,864,040; June 21.

Campbell, R. T. (See Childs, Robert R., assignor.)

Campbell, Robert C., Millburn, N. J., assignor, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. Continuous filter. 1,868,883; July 26.

Campbell, Samuel J., Green Bay, Wis. Napkin folder. 1,878,437; Sept. 20.

Campbell, Samuel J., assignor to Hudson-Sharp Machine Company, Green Bay, Wis. Roll for interfolding paper. 1,871,301; Aug. 9.

Campbell, Seth R., Brookes Mills, Pa. Surfacing machine. 1,876,202; Sept. 6.

Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Journal bearing for railway cars. 1,860,077; May 24.

Campbell, Stewart B., Berkeley, assignor to J. Grant, Los Angeles, Calif. Well-pipe clamping apparatus. 1,844,378; Feb. 9.

Campbell, Stewart B., Berkeley, assignor to J. Grant, Los Angeles, Calif. Gated slip elevator. 1,844,379; Feb. 9.

Campbell, Wallace H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for making inner tubes. 1,862,210; June 7.

Campbell, William B., Los Angeles, Calif. Rotary pump. 1,852,503; Apr. 5.

Campbell, William C., Davenport, Iowa. Curtain support. 1,883,545; Oct. 18.

Campbell, William H., jr. (See Triplett, James B.)

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,860,382; May 31.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,863,324; June 14.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Pusher plate for slicing machines. 1,863,327; June 14.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Guard plates and guard plate support for slicing machines. 1,863,328; June 14.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,865,411; June 28.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,889,538; Nov. 29.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,889,539; Nov. 29.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,889,540; Nov. 29.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,889,541; Nov. 29.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,889,542; Nov. 29.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,891,368; Dec. 20.

Campbell, William M., Saginaw, Mich. Artificial fishbait. 1,861,110; May 31.

Campbell, William W., et al., executors and trustees. (See Harrison, Herbert C.)

Campbell, Wyant & Cannon Foundry Company. (See Goldberg, Mark J., assignor.)

Campen, William H., and J. R. Smith, Omaha, Nebr. Cleaning mechanism. 1,866,877; July 12.

Campens, Denis R., Berchem-Antwerp, Belgium. Helicopter. 1,892,036; Dec. 27.

Campos, Adolfo, and A. Ramirez, Newark, N. J. Smoker's novelty. 1,883,546; Oct. 18.

Campu, Gregor, Detroit, Mich. Tire. 1,881,309; Oct. 4.

Campus, Cesare G., Santa Monica, Calif. Sanitary fitting. 1,874,169; Aug. 30.

Campus, Cesare C., Santa Monica, Calif. Concealed hinge toilet seat. 1,882,274; Oct. 11.

Camuglia, Rosario. (See Bacnaro, John P., assignor.)

Canada Cycle & Motor Company. (See Lidston, Thomas L., assignor.)

Canada Gypsum and Alabastine, Limited. (See Thomson, George M., assignor.)

Canada Malting Company. (See Dax, Peter J., assignor.)

Canada Malting Company, Limited. (See Rankine, Andrew, assignor.)

Canaday, Miron S., Rochester, Minn., assignor to Reid, Murdock & Co., Chicago, Ill. Table. 1,890,967; Dec. 13.

Canadian Atlas Steels Limited. (See Norley, Harry C., assignor.)

Canadian Colortype, Limited, The. (See Jackson, William A., assignor.)

Canadian Electro Products Company. (See Matheson, Howard W., assignor.)

Canadian Electro Products Company. (See Skirrow, Frederick W., assignor.)

Canadian Electro Products Company. (See Skirrow, F. W., and Morrison, assignors.)

Canadian International Paper Company. (See Dosne, Rene, assignor.)

Canadian Line Materials Limited. (See Kleinsteiber, William H., assignor.)

Canal Lining Company. (See Leriche, W., and Beasley, assignors.)

Canary, J. D. (See Hill, Walter M., assignor.)

Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 1,872,402; Aug. 16.

Candler, Henry E., et al., executors. (See Boyer, Joseph.)

Candler, William C. (See Burkart, W., and Parsons, assignors.)

Candlish, William J., and W. T. Morgan, assignors to Interstate Co-Partnership Association, Denver, Colo. Filtering system and filter tank. 1,855,280; Apr. 26.
Candy, Albert M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Welding. 1,844,498; Feb. 9.
Candy, Albert M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Welding electrode. 1,865,169; June 28.
Candy, Albert T., jr., Oak Park, assignor to Candy & Company, Inc., Chicago, Ill. Method of coating insulating wire or the like and apparatus therefor. 1,891,501; Dec. 20.
Candy & Company. (See Candy, Albert T., jr., assignor.)
Cane, Gordon F., assignor, by mesne assignments, to T. Thompson, San Francisco, Calif. Safety lock for foldable beds. 1,859,830; May 24.
Canfield, Arthur J., Troy, N. Y. Garment form. 1,852,604; Apr. 5.
Canfield, Jesse J., Tallant, Okla., assignor, by mesne assignments, to Empire Oil and Refining Company, Dover, Del. Method of and reagent for treating wet oils. 1,858,186; May 10.
Canfield, Lewis T. (See Nash, C. J., and Canfield.)
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of hollow glassware. 1,859,230; May 17.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glassware making apparatus. 1,859,231; May 17.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass forming apparatus. 1,859,232; May 17.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Continuously operating glassware forming machine. 1,859,233; May 17.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Continuous two-table glassware forming machine. 1,859,234; May 17.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming glassware. 1,859,235; May 17.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Elevating take-out. 1,859,956; May 24.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Rolling process for glassware. 1,859,957; May 24.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glassware forming apparatus. 1,866,766; Sept. 20.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Suction device for glass forming molten mass. Squeeze roll feeder mechanism. 1,856,049; Apr. 26.
Cannizzaro, Joseph, Union City, N. J. Rotary internal combustion engine. 1,874,239; Aug. 30.
Cannon, Albert W. (See Parker, H. H., and Cannon.)
Cannon, Earl, assignor to American Fluid Motors Company, Philadelphia, Pa. System of contact. 1,885,077; Oct. 25.
Cannon, Elmer E., Waukomis, Okla. Mechanical movement. 1,857,352; May 10.
Cannon, Frank J., assignor to Production Meter Company, Chicago, Ill. Counting and displacing apparatus. 1,841,711; Jan. 19.
Cannon, Guy L., East Cleveland, Ohio. Vibrator device. 1,872,403; Aug. 16.
Cannon, Hugh W., Erie, Pa. Process of and apparatus for the combustion of solid fuel. 1,877,224; Sept. 13.
Cannon, Hugh W., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Tubular filter. 1,877,157; Sept. 13.
Cannon, Hugh W., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Device for cleaning filter tubes. 1,877,723; Sept. 13.
Cannon, Hugh W., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Neutralizing acid treated oils. 1,881,044; Oct. 4.
Cannon, Hugh W., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Forming sweetening reagent. 1,888,219; Nov. 22.
Cannon, James P., Elizabeth, assignor to Structural Gypsum Corporation, Linden, N. J. Belt construction and method of use. 1,863,562; June 21.
Cannon, John W., Providence, R. I. System for burning liquid fuel. 1,871,660; Aug. 16.
Cannon Mills Company. (See Fisher, C. A., and Ketner, assignors.)
Cannon, Patrick J., New York, N. Y. Clamping means. 1,882,483; Oct. 11.
Cannon-Prutzman Treating Processes, Ltd. (See Cannon, Hugh W., assignor.)
Cannon, Roy F., Cleveland, assignor of one-half to S. E. Rodgers, Liberty County, Tex. Gaming table. Des. 86,218; Feb. 16.
Cannon, William R., and W. P. Pennington, Washington, D. C. Combined ash tray and razor sharpener. Des. 87,384; July 19.
Cantell, John F., San Francisco, Calif. Hose coupling. 1,841,009; Jan. 12.
Cantell, John F., San Francisco, Calif. Coupling. 1,857,528; May 10.
Canton, Allen A., assignor, by mesne assignments, to Canton Refrigerators, Inc., New York, N. Y. Combination motor and pump. 1,849,222; Mar. 15.
Canton Refrigerators, Inc. (See Canton, Allen A., assignor.)
Canton Stamping & Enameling Company, The. (See Bebb, Harry T., assignor.)
Cantor, Jacob J., assignor of one-half to J. Murray, Los Angeles, Calif. Dilator. 1,878,671; Sept. 20.
Cantu, Alejandro, Pontiac, Mich. Turnbuckle. 1,839,533; Jan. 5.
Cantwell, Anna L., administratrix. (See Cantwell, John M.)
Cantwell Electric Auto Signal Co., The. (See Cantwell, George L., assignee.)
Cantwell, George L., deceased; J. J. Cantwell, administratrix, assignor to The Cantwell Electric Auto Signal Co., Wichita, Kans. Electric switch. 1,843,166; Feb. 2.
Cantwell, Jennie J., administratrix. (See Cantwell, George L.)
Cantwell, John M., deceased, Tarrytown, N. Y.; Anna L. Cantwell, administratrix, Jack. 1,848,765; Mar. 8.
Cantzler, Alfred, Kenora, Ontario, Canada. Collapsible boat. 1,857,236; May 10.
Canyock, Charles, San Francisco, Calif. Cuspidor lid. 1,850,865; Mar. 22.
Cao, Manuel, Buenos Aires, Argentina. Orthopedic supporter. 1,862,467; June 7.
Capehart Corporation, The. (See Collison, Edward E., assignor.)
Capehart Corporation, The. (See Erbe, Ralph R., assignor.)
Capehart Corporation. (See Small, Thomas W., assignor.)
Capek, Alois, and F. Van den Broecke, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,890,899; Dec. 13.
Capelis, Socratis H., El Cerrito, Calif. Airplane. Des. 86,697; Apr. 12.
Capelis, Socratis H., El Cerrito, Calif. Aircraft. 1,861,491; June 7.
Capeliuschnicoff, Matvey A., New York, N. Y. Drilling tool. 1,877,225; Sept. 13.
Capell, Carl F., Santa Monica, Calif. Automatically controlled fuel atomizing device. 1,855,383; Apr. 26.
Capello, Joseph A., Gladstone, Va. Railroad rail. 1,849,021; Mar. 8.
Capello, Esteban. (See Massobrio, P., and Capello.)
Capey, John Buckley. (See Steele, George, Cowlishaw, and Capey.)
Capezio, Salvatore, East Paterson, N. J. Ballet slipper and the manufacture of same. 1,872,641; Aug. 16.
Capezio, Salvatore, East Paterson, N. J. Ballet slipper or toe shoe and making the same. 1,891,022; Dec. 13.
Capilizer Holding Corporation. (See Czarny, M., and Freudler, assignors.)
Capital City Electric Company. (See McCann, Clyde D., assignor.)
Capital Machine Company. (See Koss, Louis F., jr., assignor.)
Capitol Heel Lining Company. (See Sadler, Max, assignor.)
Caplan, Solomon, Brooklyn, assignor to Combustion Utilities Corporation, New York, N. Y. Purification of tarred-bearing oil. 1,858,447; July 19.
Caplan, Solomon, Brooklyn, assignor to Combustion Utilities Corporation, New York, N. Y. Recovery of resin from residual oil. 1,858,448; July 19.
Caple, Sherman L., Sheridan, Wyo. Portable dump box and loader. 1,852,504; Apr. 5.
Caplin, Samuel. (See Caplin, Sherman, J. A., and Caplin.)
Capocci, Pompeo, Cranston, R. I. Lamp shade. 1,887,397; Nov. 8.
Capocci, Pompeo, Hollandale, assignor of one-half to A. Cammarata, Hollywood, Fla. Ornamental lamp shade. 1,853,405; Apr. 12.
Capocefalo, Edward A., Syracuse, assignor to Sterilek Company, Inc., Brooklyn, N. Y. Cutting machine. 1,856,154; May 3.
Canocefalo, Edward A., Syracuse, assignor to Sterilek Company, Inc., Brooklyn, N. Y. Positive feeding and cutting device. 1,891,524; Dec. 20.
Cappa, Giulio Cesare, assignor to Societa Anonima Automobili Ansaldo, Turin, Italy. Change speed gear for motor cars. 1,885,413; Nov. 1.
Cappel, Carl L., Oakwood, Ohio. Removable sport top for automobiles. Des. 86,107; Feb. 2.
Cappel Upholstery Company, The. (See Boeckermann, Bernard J., assignor.)

Capper, Arthur M., Emsworth, Pa., assignor to Continental Reti & Steel Foundry Company, East Chicago, Ind. Slack adjuster for railway car brakes. 1,872,885; Aug. 23.

Capps, Frank L., Milford, Conn., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound reproducer. 1,872,672; Aug. 23.

Capps, Washington T., Baltimore, Md. Locomotive stoker. 1,875,216; Aug. 30.

Capra, Benedetto, Sacramento, Calif. Safety hook for screen doors. 1,868,693; July 26.

Caprio, Amerigo F. (See Walsh, J. F., and Caprio.)

Caprio, Amerigo F., Newark, N. J., assignor to Celluloid Corporation. Decorated material and making same. 1,848,858; Mar. 8.

Caprotti, Arturo, Milan, Italy. Poppet valve for steam distributing gears. 1,869,463; Aug. 2.

Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Camera. 1,849,172; Mar. 15.

Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Camera. 1,855,789; Apr. 26.

Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print delivering means. 1,874,897; Aug. 30.

Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic exposing and developing apparatus. 1,875,215; Aug. 30.

Capser, Leo W. Sr., Paul, Minn. Spraying apparatus. 1,843,269; Feb. 2.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Illuminating system for photographic apparatus. 1,880,414; Oct. 4.

Capstan Glass Company. (See McNamara, William L., assignor.)

Capstan Glass Company. (See Piazzoli, Theodore J., assignor.)

Caputo, James V., Girard, Ohio. Welding roll. 1,854,924; Apr. 19.

Caram, Edward D. (See Dyer, James E., assignor.)

Carbaugh, Conrad A., Dickeys Mountain, Pa. Spouting or gutter hanger. 1,883,547; Oct. 18.

Carbonaro, Victor E., Rockville Center, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Secretant. Des. 85,912; Jan. 5.

Carbide & Carbon Chemicals Corporation. (See Davidson, Joseph G., assignor.)

Carbide & Carbon Chemicals Corporation. (See Davidson, J. G., and Robertson, assignors.)

Carbide & Carbon Chemicals Corporation. (See Graham, Robert N., assignor.)

Carbide & Carbon Chemicals Corporation. (See Harvey, Norman D., assignor.)

Carbide & Carbon Chemicals Corp. (See Ray, Arthur B., assignor.)

Carbide and Carbon Chemicals Corporation. (See Reid, George H., assignor.)

Carbonara, Victor E., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Take-up device. 1,872,284; Aug. 16.

Carbonara, Victor E., Rockville Centre, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Navigation light. 1,876,852; Sept. 13.

Carbonaro, Mario C., Paris, assignor to Société Anonyme pour Tous Appareillages Mécaniques, Levallois-Perret, Seine, France. Measuring and feeding device for liquids. 1,869,953; Aug. 2.

Carbonaro, Mario, Paris, assignor to Societe Hordall Etablissements Hariveau et Dolimier et René Porte et Cie, Asnières, Seine, France. Apparatus for measuring and feeding liquids. 1,883,762; Oct. 18.

Carbonaro, Marius C., Paris, assignor to Societe Anonyme pour Tous Appareillages Mechaniques, Levallois-Perret, France. Apparatus for the supply of liquids. 1,854,105; Apr. 12.

Carbondale Machine Co., The. (See Torrance, Henry, assignor.)

Carbonic Equipment Corporation. (See McLaren, Malcolm W., assignor.)

Carbo-Oxygen Company. (See Austin, Francis S., assignor.)

Carborundum Company, The. (See Benner, R. C., Walker, and Soley, assignors.)

Carborundum Company, The. (See Buell, Frank L., assignor.)

Carborundum Company, The. (See Forse, E. B., and Geiger, assignors.)

Carborundum Company, The. (See Hartmann, Miner L., assignor.)

Carborundum Company, The. (See Johnson, Boyd M., assignor.)

Carborundum Company, The. (See Johnson, B. M., and Kirchner, assignors.)

Carborundum Company, The. (See Kirchner, Henry P., assignor.)

Carborundum Company, The. (See Rayner, George R., assignor.)

Carborundum Company, The. (See Soley, William G., assignor.)

Carborundum Company, The. (See Tone, Frank J., assignor.)

Carcano, Cristoforo, Maslianico, Italy. Continuous machine for making paper, artificial leather, and the like. 1,839,784; Jan. 5.

Card, Archie W. (See Bushmeyer, H. G., and Card.)

Card, Charles, Merced, Calif. Stuffing box. 1,872,117; Aug. 16.

Card Display, Inc. (See O'Rourke, Tex, assignor.)

Card, Frederic M. (See Van Ness, W. C., and Card.)

Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ornamental seam sewing machine. 1,843,896; Feb. 2.

Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine work-support. 1,890,075; Dec. 6.

Card, Jerome T., Cincinnati, Ohio, assignor to Masonite Corporation, Chicago, Ill. Edge protection for fiber boards. 1,880,785; Oct. 4.

Card, John L., Syracuse, N. Y. Dispensing closure. 1,869,049; July 26.

Card, John L., Syracuse, assignor to United States Hoffmann Machinery Corporation, New York, N. Y. Garment press. 1,870,894; Aug. 9.

Card, William C., jr., Waverly, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Sole roughing machine. 1,842,246; Jan. 19.

Card, William C., jr., Waverly, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Upper-roughing machine. 1,867,728; July 19.

Card, William C., jr., Waverly, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Upper-roughing machine. 1,879,657; Sept. 27.

Cardarelli, Eugene J. (See Brooks, B. T., and Cardarelli.)

Cardel Company, Inc., The. (See Dolan, D. J., assignor.)

Cardel Company, Inc., The. (See Mondray, Leonard M., assignor.)

Carden, John V., Piccadilly, Westminster, assignor to Vickers-Armstrongs Limited, Westminster, England. Endless track vehicle. 1,852,768; Apr. 5.

Carden, John V., Piccadilly, Westminster, assignor to Vickers-Armstrongs Limited, Westminster, England. Endless track vehicle. 1,862,329; June 7.

Carden, William M., Birmingham, Ala. Collapsible pontoon for flying machines. 1,866,451; July 5.

Carder, Albert M., assignor of one-half to M. J. Carder, Newton, Iowa. Reversible control for hot and cold air in furnaces. 1,901,789; Dec. 20.

Carder, Mary J. (See Carder, Albert M., assignor.)

Cardner, Earl E., Tully, N. Y. Clamp. 1,842,147; Jan. 19.

Cardwell-Hyde Company. (See Eddins, S. A., and Hannigan.)

Cardot, Jean A., Bagneaux sur Loing, assignor to Societe Anonyme Le Pyrex, Paris, France. Process and apparatus for the manufacture of rods or tubes of glass or other materials. 1,869,305; July 26.

Cardoza, John B. N., assignor to Bendix Aviation Corporation, New York, N. Y. Brake control. 1,876,897; Sept. 6.

Cardwell, James R., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 1,844,271; Feb. 9.

Cardwell Westinghouse Company. (See Cardwell, James R., assignor.)

Cardwell Westinghouse Company. (See Sproul, Donald F., assignor.)

Cardwell Westinghouse Company. (See Stevens, Roy R., assignor.)

Cardwell Westinghouse Company. (See Tucker, Herbert E., assignor.)

Cardwell Westinghouse Company. (See Wildin, George W., assignor.)

Cardwell Westinghouse Company. (See Woernley, Harry F., assignor.)

Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Paper cup. 1,877,158; Sept. 13.

Carew Manufacturing Company. (See Griffin, Courtlandt B., assignor.)

Carey, Charles A., Arlington, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Soda-lime and preparing same. 1,872,026; Aug. 16.

Carey, Edward J., Pasadena, Calif. Tool. 1,885,895; Nov. 1.

Carey, Edward S., Milwaukee, assignor, by mesne assignments, to A. E. Nettekoven, Sayville, Wis. Radiator manufacture. 1,880,786; Oct. 4.

Carey-McFall Co. (See Stuber, Walter J., assignor.)

Carey, Orville, Valley Center, Kans. Mud hook. 1,863,187; June 14.

Carey, Philip, Manufacturing Company, The. (See Burton, K. H., and Kramer, assignors.)

Carey Philip, Manufacturing Company, The. (See Crampton, Theodore H. M., assignor.)

Carey, Philip, Manufacturing Company, The. (See Dom, Dudley A., assignor.)

Carey, Philip, Manufacturing Company. (See Dom, D. A., and Moeller, assignors.)

Carey, Philip, Mfg. Company. (See Eickhoff, Theodore H., assignor.)

Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)

Carey, Philip, Manufacturing Company, The. (See Greider, Harold W., assignor.)

Carey, Philip, Manufacturing Company, The. (See Hindall, Clarence D., assignor.)

Carey, Philip, Manufacturing Company, The. (See Keller, Eugene, jr., assignor.)
Carey, Philip, Manufacturing Company, The. (See Kleeman, William F., assignor.)
Carey, Philip, Manufacturing Company, The. (See Leshner, N., and Moeller, assignors.)
Carey, Philip, Manufacturing Company, The. (See Pater, Carl J, assignor.)
Carey, Philip, Manufacturing Company, The. (See Rogers, Homer L., assignor.)
Carey, Philip, Manufacturing Company, The. (See Stough, Jay A., assignor.)
Cargill, Louis H., assignor of one-half to Michael Den Tinn, Inn, Cobb. Form letter for incorporation in a molded base. 1,880,792; Oct. 4.
Cargill, Robert D. (See Barlow, H. J. A., and Cargill.)
Cargill, Robert D., Auckland, New Zealand. Mounting of electric pick-ups for gramophones. 1,868,304; July 19.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Circuit controller. 1,875,217; Aug. 30.
Caridis, Marius, Los Angeles, Calif. Necktie. 1,872,118; Aug. 16.
Carl, Byron E., New York, N. Y. Making aluminum chloride. 1,862,206; June 7.
Carlberg, Carl S., Mound, Minn., assignor of one-half to D. E. Karlberg, Trenton, N. J. Variable speed rotary motion transmitter. 1,854,018; April 12.
Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Machine for making paper boxes. 1,861,952; June 7.
Carle, John, Garwood, N. J. Metal casting machine. 1,879,076; Sept. 27.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 85,910; Jan. 5.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 85,911; Jan. 5.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 86,665; Apr. 5.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. 1,876,854; Sept. 13.
Carley, Leonard R., Watertown, and W. T. Abel, Waterville, assignors to The Patent Button Company, Waterbury, Conn. Button. 1,862,076; June 7.
Carley, Leonard R., Watertown, and W. T. Abel, Waterville, assignors to The Patent Button Company, Waterbury, Conn. Shell button. 1,876,853; Sept. 13.
Carlile, Alfred E., Meadville, Pa. Pull for a slide fastener. 1,879,997; Sept. 27.
Carlin, Frank, Los Angeles, Calif., assignor, by mesne assignments, to The Starr Piano Company, Richmond, Ind. Brake actuating mechanisms. 1,845,996; Feb. 16.
Carlin, Joseph C., assignor to Tennessee Products Corporation, Nashville, Tenn. Treating slag wool. 1,870,094; Aug. 2.
Carlin, Samuel. (See Stern, L. A., and Carlin.)
Carlisle, Ellis M. (See Logan, W. E., jr., and Carlisle.)
Carlisle, Paul J., and C. R. Harris, Niagara Falls, assignors, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Treating hydrocarbons. 1,862,005; June 7.
Carlough, Daniel, Clifton, N. J. Metal sash and making same. 1,843,356; Feb. 2.
Carlsen, Carl, Youngstown, Ohio. Forming pipe blanks. 1,879,977; Sept. 27.
Carlsen, Carl, Youngstown, Ohio. Forming tubular articles. 1,879,978; Sept. 27.
Carlsen, Halfdan, New York, N. Y. Safety gas burner. 1,857,804; May 10.
Carlsmith, Leonard E., B. C. Boeckeler, and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of ammonia from fermentation mashes. 1,884,561; Oct. 25.
Carlsmith, Leonard E., B. C. Boeckeler, and I. J. Krchma, assignors to Commercial Solvent Corporation, Terre Haute, Ind. Apparatus for the recovery of ammonia from fermentation mashes. 1,885,003; Oct. 25.
Carlson, Alfon Fr., Germania, near Lubeck, Germany. Increasing the output of mechanical roasting furnaces and the like. 1,846,991; Feb. 23.
Carlson, Alexander, Piqua, Ohio. Automobile body. 1,842,539; Jan. 26.
Carlson, Alfred A. (See Aldeen, G. W., and Carlson.)
Carlson, Anthony E., Los Angeles, Calif. Expansion drill bit. 1,866,082; July 5.
Carlson, Anthony E., Los Angeles, Calif. Well reamer construction. 1,886,789; Nov. 8.
Carlson, Axel A., Brooklyn, N. Y. Water heater. 1,864,120; June 21.
Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Thread waxing device. 1,841,010; Jan. 12.
Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,877,159; Sept. 13.
Carlson, Carl E., Long Island, N. Y. Reminder. 1,843,203; Feb. 2.
Carlson, Carl T., assignor to Erie City Iron Works, Erie, Pa. Boiler. 1,880,789; Oct. 4.
Carlson, Charles B., assignor to Thomas A. Edison, Incorporated, West Orange, N. J.. Container. 1,880,788; Oct. 4.
Carlson, Charles M., Canton, assignor to The Republic Stamping and Enameling Company, Canton, Ohio. Sink strainer. 1,892,481; Dec. 27.
Carlson, Edward, Tombstone, Ariz. Safety motor for aircraft. 1,886,327; Nov. 1.
Carlson, Edwin G., East Providence, assignor to A. E. R. Speidel, Providence, R. I., doing business as Speidel Brothers. Bracelet structure. 1,889,972; Dec. 6.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Clock. Des. 87,561; Aug. 16.
Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Sheet-metal bezel for unbreakable clock-crystals. 1,858,262; May 17.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Clock. 1,880,790; Oct. 4.
Carlson, Elof L., and J. O. Simpson, assignors to The E. Ingraham Co., Bristol, Conn. Nickel clock. 1,860,353; May 31.
Carlson, Emil. (See Kahlert, E. F., and Carlson.)
Carlson, Eric S. (See Schnell, W., and Carlson.)
Carlson, Eric S., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator handle or similar article for an automotive vehicle. Des. 85,976; Jan. 12.
Carlson, Eric S., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator handle or similar article for an automotive vehicle. Des. 85,977; Jan. 12.
Carlson, Eric S., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. Des. 86,012; Jan. 19.
Carlson, Efrold H., Chicago, Ill. Door securing mechanism. 1,858,804; May 17.
Carlson, Fred N. (See Starburg, C. J., and Carlson.)
Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Electric switch. 1,891,167; Mar. 29.
Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Weighing scale. 1,875,218; Aug. 30.
Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Weighing scale. 1,883,548; Oct. 18.
Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Scales. 1,892,264; Dec. 27.
Carlson, George, Ansonia, Conn., assignor to General Electric Company. Cable terminal holder and receptacle for house wiring systems. 1,888,846; Nov. 22.
Carlson, George, Ansonia, and H. G. Knoderer, Fairfield, Conn., assignors to General Electric Company. House wiring structure. 1,888,847; Nov. 22.
Carlson, George, Ansonia, and H. G. Knoderer, Fairfield, Conn., assignors to General Electric Company. Receptacle for house wiring systems. 1,888,848; Nov. 22.
Carlson, George H., assignor to Ekstrom, Carlson & Co., Rockford, Ill. Frictional drive for a router or the like. 1,889,947; Dec. 6.
Carlson, Gustaf A., assignor to The Boye Needle Company, Chicago, Ill. Curtain rod. 1,858,950; May 17.
Carlson, Gustav A. (See Davis, E. D., and Carlson.)
Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Thimble. 1,848,869; Mar. 8.
Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Loop forming needle. 1,863,466; June 14.
Carlson, Gustav A., Chicago, Ill., assignor to The Boye Needle Company. Decorative hair pin. 1,873,543; Aug. 23.
Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Loop-forming needle. 1,880,787; Oct. 4.
Carlson, Gustave A., Detroit, Mich. Grinding and polishing machine. 1,871,494; Aug. 16.
Carlson, Harold, North Franklin, Conn. Picker stick buffer. 1,850,495; Mar. 22.
Carlson, Herman B., assignor to Sargent & Company, New Haven, Conn. Wardrobe lock. 1,850,222; Mar. 22.
Carlson, Hjalmar B., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar locator and trimmer. 1,875,988; Sept. 6.
Carlson, Hjalmar G. (See Rowland, G. I., and Carlson.)
Carlson, John A. E., assignor to Jacobsen Manufacturing Co., Racine, Wis. Power driven mower. 1,858,618; May 17.
Carlson, John A. E., assignor to Jacobsen Mfg. Company, Racine, Wis. Lawn-mower. 1,872,119; Aug. 16.
Carlson, John W., Chicago, Ill. Golf stroke counter. Des. 85,978; Jan. 12.
Carlson, John W., assignor to Hedman Manufacturing Company, Chicago, Ill. Check protector. 1,844,203; Feb. 9.
Carlson, Nelson A., assignor to Erie Meter Systems, Inc., Erie, Pa. Automobile filling stand connection. 1,853,014; Apr. 5.
Carlson, Oscar, East Providence, assignor to Dolan & Bullock, Providence, R. I. Collar holder. 1,840,885; Jan. 12.

Carlson, Oscar, East Providence, assignor to Dolan & Bullock, Providence, R. I. Clasp. 1,862,175; June 7.
Carlson, Oscar, assignor to Reel-Mop Corporation, Minneapolis, Minn. Combined mop head and wringer. 1,858,879; May 17.
Carlson, Oscar A., Aberdeen, Wash. Safety locking device. 1,858,306; Nov. 22.
Carlson, Oscar E., Newman Grove, Nebr. Buck rake or hay sweep. 1,841,276; Jan. 12.
Carlson, Oscar F. (See McDonnell, E. N.), Miller, and Carlson.)
Carlson, Oscar F., assignor to O. F. Carlson Company, Chicago, Ill. Valve. 1,863,590; June 21.
Carlson, Oscar F., Chicago, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch actuating mechanism. 1,854,809; Apr. 19.
Carlson, Oscar F., assignor to Deere & Company, Moline, Ill. Stalk splitting attachment for corn harvesters. 1,876,567; Sept. 13.
Carlson, Oscar F., assignor to Deere & Company, Moline, Ill. Steering mechanism. 1,876,568; Sept. 13.
Carlson, Oscar F., Company. (See Carlson, Oscar F., assignor.)
Carlson, Otto, Astoria, Oreg. Boat handling apparatus. 1,854,909; Apr. 19.
Carlson, Otto, assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Radiator. 1,847,594; Mar. 1.
Carlson, Philip, Long Hill, assignor, by mesne assignments, to The Bridgeport-City Trust Company, Bridgeport, Conn. Vehicle top. 1,850,705; Mar. 22.
Carlson, Philip, Long Hill, assignor, by mesne assignments, to The Bridgeport-City Trust Company, Bridgeport, Conn. Adjustable seat and back. 1,888,787; Nov. 22.
Carlson, Philip, Trumbull, assignor, by mesne assignments, to The Bridgeport City Trust Company, Bridgeport, Conn. Windshield hinge. 1,858,809; May 17.
Carlson, Ralph G., assignor to Crane Co., Chicago, Ill. Union bonnet valve. 1,866,292; July 5.
Carlson, Raymond A., assignor to Rockford Drilling Machine Company, Rockford, Ill. Hydraulically operated machine tool. 1,890,495; Dec. 13.
Carlson, Theodore R. A., and V. A. Gronberg, Jamestown, N. Y., assignors to Postindex Company, Inc., Jamestown, N. Y. Changeable exhibitor. 1,845,700; Feb. 16.
Carlson, Theodore R., and V. A. Gronberg, assignors to Postindex Company, Inc., Jamestown, N. Y. Filing leaf and label-holder therefor. 1,887,800; Nov. 15.
Carlson, Raymond A., Rockford, Ill., assignor to General Electric Company. Inductance unit. 1,841,317; Jan. 12.
Carlson, Wendell L., Haddonfield, N. J., assignor to General Electric Company. Electric signal amplifier. 1,849,821; Mar. 15.
Carlson, Wendell L., Haddonfield, N. J., assignor to General Electric Company. Amplifying circuit for heterodyne receivers. 1,858,823; Mar. 8.
Carlson, Wendell L., Schenectady, N. Y., assignor to Radio Corporation of America. Electrical communication. 1,854,884; Apr. 19.
Carlson, Wendell L., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,870,038; Aug. 2.
Carlson, Wendell L., Schenectady, N. Y., assignor to General Electric Company. Radio apparatus. 1,871,405; Aug. 9.
Carlson, Wendell L., and D. Wilson, Schenectady, N. Y., assignors to General Electric Company. Electrical signal amplifying apparatus. 1,887,541; Nov. 15.
Carlstedt, Fredrik, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Brush mechanism for dynamo-electric machines. 1,891,634; Dec. 20.
Carlstedt, Fredrik, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 1,892,382; Dec. 27.
Carlston, William S., assignor to Kingston Products Corporation, Kokomo, Ind. Carburetor. 1,880,791; Oct. 4.
Carlston, William S., and R. H. Hieger, assignors to Byrne, Kingston & Company, Kokomo, Ind. Fuel generating apparatus. 1,852,343; Apr. 5.
Carlstrand, Gustav E., Baltimore, Md. Elevator. 1,876,398; Sept. 6.
Carlstrom, C. K., et al. (See Lofgren, E. G. C., and Anderson, assignors.)
Carlstrom, David A., Seattle, Wash. Vehicle toy. 1,859,617; May 24.
Carlstrom, Elmer, Chicago, Ill Concealed weapon. 1,863,437; June 21.
Carlton, Henry D., Montclair, N. J., assignor, by mesne assignments, to Consolidated Ashcraft Hancock Company, New York, N. Y. Pressure gauge indicator. 1,857,139; May 10.
Carlton, Richard P., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Process and apparatus for coating. 1,856,744; May 3.
Carlton, Roger C., East Orange, N. J., W. C. Tinus, New York, N. Y., and H. Vaderson, Elizabeth, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 1,852,605; Apr. 5.
Carlyle, Evelyn, Grand Rapids, Mich. Chair. Des. 86,106; Feb. 2.
Carman & Co. (See Chandler, Charles T., assignor.)
Carman & Co. (See Moll, Emil A., assignor.)
Carman, Glenn B., et al. (See Appel, Daniel, assignor.)
Carman, Glenn B. (See Westman, L. A., and Carman.)
Carman, Herbert L., New York, N. Y. Fountain pen. Des. 86,826; Apr. 26.
Carmean, James H., Kansas City, Mo. Heater. 1,866,840; July 12.
Carmichael, Andrew J. (See Greist, W. C., Carmichael, and Fischer.)
Carmichael, Della, Woodside, N. Y. Textile fabric or the like. Des. 88,629; Dec. 13.
Carmichael, Edford, Warrington, assignor of one-half to The United Velvet Cutters Association, Limited, Manchester, England. Machine for cutting the pile of weft-pile fabrics. 1,863,006; June 14.
Carmichael, Eugene L., assignor of one-half to E. I. Gersh, New York, N. Y. Check protector. 1,861,208; May 31.
Carmichael, James H., Lowell, Mass., assignor, by mesne assignments, to Winchester Repeating Arms Company. Coating shot shells. 1,851,643; Mar. 29.
Carmichael, Mead S., Sparta, Wis. Blanching and cleaning device. 1,871,359; Aug. 9.
Carnal, William D., Akron, Ohio. Doorstop. 1,845,829; Feb. 16.
Carnarius, Edwin H. (See Hancock, C. W., and Carnarius.)
Carnarius, Edwin H., and V. D. Charleston, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Decolorizing ester distillation fractions. 1,869,954; Aug. 2.
Carnegie, Alfred Q. (See Parsons, C. A., Carnegie, and Gardner.)
Carnegie, David, jr., Springfield, assignor to Duratex Corporation, Newark, N. J. Coated fabric and making the same. 1,857,805; May 10.
Carnes, Almus T., Kansas City, Mo. Hose nozzle. 1,847,470; Mar. 1.
Carney, Arthur T., Blairsville, assignor of one-third to R. L. Miles, jr., Wilkinsburg, Pa. Radiocabinet. Des. 88,704; Dec. 20.
Carney, Daniel E., assignor of one-third to J. M. Magee and one-third to H. B. Gordon, Pittsburgh, Pa. Refillable ferrule fuse. 1,881,369; Oct. 4.
Carney, James J., assignor to The United Tool & Die Company, Inc., Hartford, Conn. Caliper. 1,859,327; May 24.
Carney, Rose E., Chicago, Ill. Binder and indicating device therefor. 1,854,744; Apr. 19.
Carney, Samuel C., Tulsa, Okla., assignor to Shell Petroleum Corporation. Refrigeration. 1,839,197; Jan. 5.
Carnie, James, Brooklyn, N. Y., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Fluid bottle and manufacture. 1,843,943; Feb. 9.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Aircraft wing. 1,842,068; Jan. 19.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Wing or airfoil for aircraft. 1,849,740; Mar. 15.
Carns, Edmund B., and J. A. Grimes; said Grimes assignor to The Naugatuck Chemical Company, Naugatuck, Conn., and said Carns assignor to Cairns Development Company, Wilmington, Del. Resilient coating. 1,852,146; Apr. 5.
Caro, Nicodem, et al. (See Fischer, T., and Wendlandt, assignors.)
Carolin, Norbert, Los Angeles, Calif. Aeroplane. 1,842,656; Jan. 26.
Caron, Ludger J., assignor to Leominster Tool Co., Inc., Leominster, Mass. Key duplicating machine. 1,846,946; Mar. 1.
Caron, Ludger J., assignor to Leominster Tool Co., Leominster, Mass. Code cylinder key cutting and duplicating machine. 1,886,641; Nov. 8.
Carothers, John N., Anniston, Ala., assignor to Swann Research, Inc. Producing diphenyl. 1,875,317; Sept. 6.
Carothers, John N., and S. P. Huzer, Anniston, assignors, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Production of phosphoric acid and calcium aluminate slag. 1,853,457; Apr. 12.
Carousso, Victor H., Oakland, assignor to Duart Manufacturing Co., Ltd., San Francisco, Calif. Permanent hair waver. 1,840,695; Jan. 12.
Carousso, Victor H., Oakland, assignor to Duart Manufacturing Co. Ltd., San Francisco, Calif. Reel. 1,863,620; June 21.
Carozzi, Augusto, Rome, Italy. Elastic vehicle suspension with shock compensation. 1,867,579; Nov. 15.
Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Vacuum tube control system. 1,859,498; May 24.
Carpenter, Augustus, Corporation. (See Carpenter, Ernest S., assignor.)
Carpenter, Charles E., Hopewell Junction, N. Y. Fluid operated electric switch. 1,840,696; Jan. 12.
Carpenter, Charles E., Hopewell Junction, N. Y. Motor control system. 1,871,112; Aug. 9.
Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,847,293; Mar. 1.

Carpenter, Charles E., Chicago, Ill. Draft appliance and the like. 1,848,316; Mar. 8.
Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,867,307; July 12.
Carpenter, Charles F. (See Jones, B. W., and Carpenter.)
Carpenter, E. W., Manufacturing Company, The. (See Carpenter, Edward W., assignor.)
Carpenter, Edward W., Fairfield, assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Knife sharpener. 1,846,384; Feb. 23.
Carpenter, Edward W., Fairfield, assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Flower holder. 1,857,140; May 10.
Carpenter, Edward W., Fairfield, assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Booster for loose leaf metals. 1,876,569; Sept. 13.
Carpenter, Elliott R., Cotuit, Mass. Method of and device for excluding moths or other insects from closets. 1,860,231; May 24.
Carpenter, Ernest S., Cleveland Heights, Ohio, assignor to Augustus Carpenter Corporation, Cleveland, Ohio. Motion picture projector. Des. 88,072; Oct. 25.
Carpenter, Fairbank, assignor to Geo. B. Carpenter & Co., Chicago, Ill., Trust. 1,850,380; Mar. 22.
Carpenter, Geo. B., & Co. (See Carpenter, Fairbank, assignor.)
Carpenter, Glenn W., Schenectady, N. Y., assignor to General Electric Company. Electric apparatus. 1,864,482; June 21.
Carpenter, Guy, New York, N. Y. Spark arrester. 1,857,353.
Carpenter Hiatt Sales Company. (See Read, Frederick A., jr., assignor.)
Carpenter, Ivan S. (See Pearson, G. C., Croft, and Carpenter.)
Carpenter, Ivan S., assignor to Gardner-Denver Company, Denver, Colo. Rock drill. 1,884,969; Oct. 25.
Carpenter, John B., jr. (See Wheeler, T. L., and Carpenter.)
Carpenter, John E., and C. S. Whitman, assignors to Security Manufacturing Company, Denver, Colo. Automatic fire extinguisher. 1,852,207; Apr. 5.
Carpenter, John W., assignor of one-half to W. B. Neal, Eugene, Oreg. Blood transfusion apparatus. 1,845,479; Feb. 16.
Carpenter, Leslie T., Lynwood, Calif. Wrench. 1,860,012; May 24.
Carpenter, Miles H., New Rochelle, and C. B. Kirkham, Freeport, L. I. Independently sprung wheel construction for the front end of motor vehicles. 1,882,484; Oct. 11.
Carpenter, Ose F., Brightwood, Va. Attachment for mailing machines. Re18,505; June 28.
Carpenter, Ose F., Brightwood, Va. Brooder front. 1,862,224; June 7.
Carpenter, Ose F., Brightwood, Va. Assembling poultry coops. 1,860,232; May 24.
Carpenter, Pascal J. (See Pellerin, E., Hector, and Carpentier.)
Carpenter & Paterson Inc. (See Helling, John W., assignor.)
Carpenter, Robert F., and T. F. Anderson, assignors to The Sanymetal Products Co., Cleveland, Ohio. Hinge structure. 1,879,071; Sept. 27.
Carpenter, Robert F., and T. F. Anderson, assignors to The Sanymetal Products Company, Cleveland, Ohio. Hinge structure. 1,879,072; Sept. 27.
Carpenter Steel Company, The. (See Palmer, Frank R., assignor.)
Carpenter, Warren W. (See Dahl, J. F., and Carpenter.)
Carpenter, Warren W., Brooklyn, assignor to Western Electric Company, Inc., New York, N. Y. Automatic telephone system. 1,854,106; Apr. 12.
Carpenter, Warren W., Queens Village, N. Y., and R. E. Collis, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,855,598; Apr. 26.
Carpenter, Warren W., Garden City, and J. F. Dahl, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,868,309; July 19.
Carpenter, Webster I., Norfolk, Va. Fluid dispensing nozzle. 1,865,355; June 28.
Carpenter, Webster I., Norfolk, Va. Fluid warmer. 1,873,826; Aug. 23.
Carpentier, Melbourne L., assignor to Chrysler Corporation, Detroit, Mich. Cooling system. 1,840,083; Jan. 5.
Carpentier, Melbourne L., assignor to Chrysler Corporation, Detroit, Mich. Cylinder water jacket cover. 1,867,351; July 12.
Carpentier, Melbourne L., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Propeller driving unit. 1,879,081; Sept. 27.
Carpentier, Melbourne L., Detroit, and J. B. Macauley, jr., Grosse Point Village, assignors to Chrysler Corporation, Detroit, Mich. Manifold. 1,872,673; Aug. 23.
Carr, Archie R. (See Smith, R. R., and Carr.)
Carr, Austin P., Los Angeles, Calif. Device for landing aircraft. 1,842,583; Jan. 26.
Carr & Company Limited. (See Furness, Harold, assignor.)
Carr, David M., Brooklyn, N. Y. Telephone register. 1,883,549; Oct. 18.
Carr, Edward G., Chicago, Ill., assignor to The Lakewood Engineering Company, Lakewood, Ohio. Concrete road finishing machine. Re18,455; May 10.
Carr, Fred S. Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,846,791; Feb. 23.
Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastening installation. 1,873,869; Aug. 23.
Carr, George T., Spokane, Wash. Detachable spout for cans. 1,867,060; July 12.
Carr, James M., Pittsburgh, Pa. Sanding apparatus. 1,872,886; Aug. 23.
Carr, Janet, Los Angeles, Calif. Dress. 1,887,867; Nov. 15.
Carr, John A. (See Steuer, O. A., and Carr.)
Carr, John E., Aurora, Ill., assignor to All-Steel-Equip Company. Latch mechanism. 1,892,446; Dec. 27.
Carr, John E., and J. Knell, Aurora, Ill., assignors to All-Steel-Equip Company. Lock mechanism. 1,892,447; Dec. 27.
Carr, John O., and A. S. Benjamin, assignors to The Teletype Corporation, Chicago, Ill. Signaling system. 1,884,562; Oct. 25.
Carr, Kenneth W., assignor to Ditto, Incorporated, Chicago, Ill. Stencil sheets. 1,878,672; Sept. 20.
Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)
Carr-Lowrey Glass Co. (See Hilgenberg, Carl G., assignor.)
Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,842,386; Jan. 26.
Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,859,252; May 17.
Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener socket. 1,873,870; Aug. 23.
Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud and installation thereof. 1,873,871; Aug. 23.
Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Connecting member for continuous fasteners. 1,873,872; Aug. 23.
Carr, Moses F., Lexington, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Coupling and associated means for lubricating apparatus. 1,880,793; Oct. 4.
Carr, Raymond L., Boston, Mass. Combined mud guard and light for a vehicle or similar article. Des. 87,903; Oct. 11.
Carr, Raymond L., Boston, Mass. Combined vehicle hood and radiator shell or similar article. Des. 87,904; Oct. 11.
Carr, Raymond L., Boston, Mass. Vehicle body. 1,876,855; Sept. 13.
Carr, Raymond L., Greenville, S. C. Brake. 1,844,345; Feb. 9.
Carr, Richard H., assignor to The Pure Oil Company, Chicago, Ill. Method and apparatus for operating wells. 1,860,137; May 24.
Carr, Richard H., assignor to The Pure Oil Company, Chicago, Ill. Facilitating the flow of wells. 1,891,667; Dec. 20.
Carr, Richard H., Chicago, Ill., and W. C. Trout, Lufkin, Tex. Shock absorbing coupling. 1,887,011; Nov. 8.
Carr, Uhel U., and M. R. McKinley, Monongahela, Pa. Pipe line stopper. 1,885,896; Nov. 1.
Carr, Uhel U., assignor of one-half to Major R. McKinley, Monongahela, Pa. Pipe line stopper. 1,887,542; Nov. 15.
Carr, Walter E., Spokane, Wash. Drilling machine. 1,843,121; Feb. 2.
Carranza, Marcelino, Buenos Aires, Argentina. Static refrigerating plant. 1,847,170; Mar. 1.
Carregari, Giuseppe, Suresnes, France. Musle leaf turner. 1,858,187; May 10.
Carrey, John O., assignor to C & C Engineering Co., Inc., St. Louis, Mo. Compressor. 1,858,817; May 17.
Carrier Construction Company. (See Smith, Milton S., assignor.)
Carrier Corporation. (See Ashley, Carlyle M., assignor.)
Carrier Engineering Company Limited. (See Fowler, A., and Robertson, assignors.)
Carrier Engineering Company Limited. (See Robertson, Kenneth J. R., assignor.)
Carrier Engineering Corporation. (See Ashley, Carlyle M., assignor.)
Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)
Carrier Engineering Corporation. (See Lea, Edward S., assignor.)
Carrier Engineering Corporation. (See LeGrand, Joseph M., assignor.)
Carrier Engineering Corporation. (See Stacey, A. E., jr., and Ashley, assignor.)
Carrier Research Corporation. (See Atkins, Thomas J., assignor.)
Carrier Research Corporation. (See Gant, Harris P., assignor.)
Carrier Research Corporation. (See Holton, John H., assignor.)

Carrier-Ross Engineering Company. (See Ward, Stanley, assignor.)

Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Lubricating, sealing, and thrust balancing means for compressors and the like. 1,843,122; Feb. 2.

Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Sealing and thrust device. 1,871,661; Aug. 16.

Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Lubricating compressors and the like. 1,871,662; Aug. 16.

Carrington, Frank G., Anniston, Ala., assignor to Ferric Engineering Company. Boring tool. 1,858,292; May 17.

Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Casting metal centrifugally. 1,858,478; May 17.

Carroll, Charles, Chicago, Ill. Portable device to aid hearing. 1,872,674; Aug. 23.

Carroll, Charles, East Chicago, and J. S. Hogue, Hammond, Ind. Safety device for shearing or punching machines or the like. 1,860,721; May 31.

Carroll, Clarence E., Ged, La. Pelt or fur stretcher. 1,889,634; Nov. 29.

Carroll, Edward T. (See Stover, G., Ames, and Carroll.)

Carroll, Ellsworth W. (See Pike, Robert D., and Carroll.)

Carroll, Ellsworth W. (See Pike, R. D., Little, and Carroll.)

Carroll, Ellsworth W., San Francisco, Calif. Autoplane. 1,865,207; June 28.

Carroll, Emil J., assignor to The American Laundry Machinery Company, Norwood, Ohio. Laundry system. 1,871,663; Aug. 16.

Carroll, Frank, Clairton, and W. Coss Wilson, Pa. Safety valve for gas or oil wells. 1,839,198; Jan. 5.

Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Key adding device for tabulating machines. 1,848,106; Mar. 8.

Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Perforating machine. 1,848,159; Mar. 8.

Carroll, Fred M., Yonkers, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Computing scale. 1,856,411; May 3.

Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Subtracting tabulator. 1,862,004; June 7.

Carroll, Fred M., Yonkers, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Computing scale. 1,880,415; Oct. 4.

Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism for accounting machines. 1,880,416; Oct. 4.

Carroll, Fred M., Yonkers, assignor to Dayton Scale Company, Dayton, Ohio. Computing scale. 1,880,417; Oct. 4.

Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Stacking mechanism for printing machines. 1,880,418; Oct. 4.

Carroll, Fred M., Yonkers, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Computing scale. 1,882,774; Oct. 18.

Carroll, Fred M., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,873,849; Sept. 6.

Carroll, Fred M., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine having a universal split unit construction. 1,875,501; Sept. 6.

Carroll, Irene E., Kansas City, Mo. Luminous dial cover. 1,860,606; May 31.

Carroll, Janie I. (See Smott, Daisy E., assignor.)

Carroll, John J., assignor to Dixie Jute Bagging Corporation, Norfolk, Va. Packing element. 1,840,156; Jan. 5.

Carroll, Lewis, Bristol, Va. Parquetry baling machine. 1,881,370; Oct. 4.

Carroll, Manly E., assignor to Air-O-Gas Generators, Incorporated, Miami, Fla. Apparatus for generating gaseous mixtures. 1,871,302; Aug. 9.

Carroll, Monroe W., Beaumont, Tex. Sucker rod joint. 1,853,299; Apr. 12.

Carroll, Monroe W., Beaumont, assignor to J. D. Nixon, Harris County, Tex. Pipe holder. 1,852,695; Apr. 5.

Carroll, Monroe W., Beaumont, assignor to J. D. Nixon, Harris County, Tex. Pipe holder. 1,856,905; May 3.

Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing nitrocellulose propionate. 1,841,313; Jan. 12.

Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing nitrocellulose. 1,841,314; Jan. 12.

Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing mixed volatile solvents. 1,866,984; July 12.

Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition. 1,870,556; Aug. 9.

Carroll, Stewart J., and H. B. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing an amide or derivative thereof. 1,844,714; Feb. 9.

Carroll, Thomas, and G. L. Dawson, Hampton, Va. Distant type indicating instrument and the like. 1,846,792; Feb. 23.

Carroll, Willard R., New Haven, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Rod mill. 1,842,069; Jan. 19.

Carroll, William J., West Haven, assignor to Sargent & Company, New Haven, Conn. Emergency exit lock. 1,846,183; Feb. 23.

Carroll, William M. (See Ohmer, H. B., and Carroll.)

Carroll, William M., assignor, by mesne assignments, to J. Q. Sherman, Dayton, Ohio. Cash register. 1,853,015; Apr. 5.

Carrom Company, The. (See Beizer, John W., assignor.)

Carrom Company, The. (See Wilkinson, J. J. and M. A., assignors.)

Carruthers, Eben H., Astoria, Oreg. Bottle capping machine. 1,856,827; May 3.

Carsey, Harry E., assignor to Auld's Incorporated, Columbus, Ohio. Memorial container. 1,856,619; May 3.

Carson, Abram, Philadelphia, Pa. Reenforced and run-proof hosiery. 1,856,745; May 3.

Carson, Alexander A., Braintree, Mass. Outlet valve for water closet-tanks. 1,840,697; Jan. 12.

Carson, Clarence M., Cuyahoga Falls, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gasproof balloon fabric. Re18,355; Feb. 23.

Carson, Clarence M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of securing rubber to metal and product thereof. 1,841,322; Jan. 12.

Carson, Francis L., assignor to The Pacific Lumber Company, San Francisco, Calif. Manufacture of pressed or filtered wood products. 1,884,563; Oct. 25.

Carson, George C., Los Angeles, Calif. Treating sulphide ores and the production of sulphuric acid thereby. 1,857,494; May 10.

Carson, George C., Los Angeles, Calif. Producing sulphates from mixed sulphide materials and the recovery of values therefrom. 1,890,934; Dec. 13.

Carson, Harry Y., Birmingham, Ala. Pipe joint. 1,866,619; July 12.

Carson, Jesse P., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Hand vacuum cleaner. 1,861,261; May 31.

Carson, Lee L. Whittier, assignor of one-fourth to George T. Dunn, San Diego, Calif. Pump valve. 1,880,120; Sept. 27.

Carson, Robert H., assignor to Jas. P. Marsh & Company, Chicago, Ill. Valve device. 1,849,906; Mar. 15.

Carson, Robert H., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Valve. 1,875,851; Sept. 6.

Carson, Robert H., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Trap. 1,879,791; Sept. 27.

Carson, William H., Norman, Okla. Machine for hermetically sealing packages. 1,862,881; June 14.

Carson, William W., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Feeding device for strip materials. 1,851,420; Mar. 29.

Carson, William W., Jr., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Regulator. 1,870,895; Aug. 9.

Carstenbrook, Harry P., Marysville, Calif. Camp stove. 1,850,625; Apr. 26.

Carstens, Carl C., Michigan City, Ind. Automobile signaling device. 1,889,744; Dec. 6.

Carstens, Hans, Levenhausen, near Cologne-on-the-Rhine, and C. Kröner, Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decolorizing silicic acid. 1,878,108; Sept. 20.

Carswell, Thomas S., Kirkwood, assignor to Monsanto Chemical Works, St. Louis, Mo. Manufacture of polyhydroxy phenols. 1,856,690; May 3.

Carter, Andrew G., Grand Rapids, Mich. Band-saw guide wheel. 1,870,402; Aug. 9.

Carter, Ben, Bamford, Rochdale, England. Carrier or spindle for braiding machines and the like. 1,843,752; Feb. 2.

Carter, Benjamin C., South Farnborough, Hampshire, England. Air-screw drive. 1,854,329; Apr. 19.

Carter, C. J. (See Piersall, Charles E., assignor.)

Carter Carburetor Corporation. (See Bicknell, George M., assignor.)

Carter Carburetor Corporation, (See Boyce, Leonard D., assignor.)

Carter Carburetor Corporation. (See Ericson, George R., assignor.)

Carter Carburetor Corporation. (See Kommer, Fred A., assignor.)

Carter Carburetor Corporation. (See Schweiss, Joseph, assignor.)

Carter Carburetor Corporation. (See Schweiss, J., and Ericson, assignors.)

Carter Carburetor Corporation. (See Weed, Hugh H. C., assignor.)

Carter, Chapel S., Orange, and J. H. Duncan, New Haven, assignors to The H. C. Cook Company, Ansonia, Conn. Signal or clip. 1,869,997; Aug. 2.

Carter, Charles E., assignor to Sterling Manufacturing Company, Fort Wayne, Ind. Dairy apparatus. 1,849,194; Mar. 15.

Carter, Charles E., assignor to Sterling Manufacturing Company, Fort Wayne, Ind. Sanitary milk pail. 1,871,584; Aug. 16.
Carter, Charles J., Kansas City, Mo. Grain bin. 1,891,275; Dec. 20.
Carter, Clarence F., Danville, Ill. Electrical connecter. 1,871,839; Aug. 16.
Carter, Clinton W. (See Giffen, W. W., and Carter.)
Carter, Dick W., Colorado, Tex. Drain. 1,848,767; Mar. 8.
Carter, Donald M., et al. (See Ross, Warren A., assignor.)
Carter, Edgar B. (See Moore, E. E., and Carter.)
Carter, Edward A., Buffalo, N. Y. Antirattler for windows. 1,860,173; Sept. 27.
Carter, Edward B., Lexington, Mass. Heel mold. 1,890,968; Dec. 13.
Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company, System of distribution. 1,848,824; Mar. 8.
Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company, Synchronism indicating means. 1,885,078; Oct. 25.
Carter, Ernest Melrose Highland, Mass. Hanger and fastener for storm windows and the like. 1,849,173; Mar. 15.
Carter, Everett M., Indianapolis, Ind. Oil burner. 1,858,536; May 17.
Carter, Frederick W., Rugby, England. Locomotive truck. 1,851,352; Mar. 29.
Carter, H. W., & Sons. (See Jackson, Harry B., assignor.)
Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Safety device for transmissions. 1,849,174; Mar. 15.
Carter, Herbert F., Roselle Park, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for preparing and distributing material. 1,880,794; Oct. 4.
Carter, John H., Harrison, assignor to Servel, Inc., New York, N. Y. Refrigerated display cabinet. 1,841,277; Jan. 12.
Carter, John M., Orlando, Fla. Joint or connecter for roofing sheets. 1,865,674; July 5.
Carter, John W., Omaha, Nebr. Shear-blade sharpener. 1,860,404; May 31.
Carter, Joseph H. (See Hughes, J. M., Carter, and Perkins.)
Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Distant control system. 1,853,506; Apr. 12.
Carter, Lionel A. (See Koken, W. F., and Carter.)
Carter, Lionel A., Webster Groves, assignor to Lehmann Machine Company, St. Louis, Mo. Pipe-shaping machine. 1,853,660; Apr. 12.
Carter, Lionel A., Webster Groves, assignor to Koken Companies, St. Louis, Mo. Barber chair. 1,856,691; May 3.
Carter, Louis H., Barton Cross, Torquay, England. The application of initials or designs to purses and the like. 1,854,689; Apr. 19.
Carter, Martin E., La Romana, Dominican Republic. Juice strainer. 1,851,809; Mar. 29.
Carter, Nathan A., Memphis, Tenn. Trailer body for a vehicle. Des. 86,698; Apr. 12.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Feeding system. 1,850,980; Mar. 22.
Carter, Philip S., Stony Brook, N. Y., assignor to Radio Corporation of America. Filter. 1,866,525; July 12.
Carter Radio Company. (See Doran, Leroy O., assignor.)
Carter, Ralph H. (See Elsener, R., and Carter.)
Carter, Ralph H. (See Gollong, R. J., and Carter.)
Carter, Ray L., Phoenix, N. Y., assignor to The Stanley Works, New Britain, Conn. Sanding and polishing machine. 1,841,787; Jan. 19.
Carter, Raymond, New York, assignor to Edward J. McNamara, Great Neck, N. Y. School pendant or similar article. Des. 87,658; Aug. 23.
Carter, Robert A., Grantwood, N. J. Stretcher. 1,847,925; Mar. 1.
Carter, Roscoe H., Washington, D. C. Manufacture of insecticides and making same. 1,842,443; Jan. 26.
Carter, Roscoe H., Washington, D. C. Manufacture of insecticides and making same. 1,863,266; June 14.
Carter, Roscoe H., Washington, D. C. Manufacture of insecticides and making same. 1,863,519; June 14.
Carter, Russell, Washington, D. C. Resistance element for hydrocarbon cracking processes. 1,860,322; May 24.
Carter, Samuel C., assignor of one-half to R. F. Belcher, Los Angeles, Calif. Power transmission. 1,883,550; Oct. 18.
Carter, Sidney T., Parnassus, Pa. Propeller. 1,876,608; Sept. 13.
Carter, Sidney T., Parnassus, assignor jointly to T. Carter and R. E. Lankford, trustees, Pittsburgh, Pa. Propeller hub. 1,865,170; June 28.
Carter, Sidney T., Parnassus, assignor to himself and R. E. Lankford, Pittsburgh, Pa., jointly as trustees. Adjustable pitch propeller. 1,876,609; Sept. 13.
Carter, W. G., et al. (See Nickels, William W., assignor.)
Carter, William C., Flint, Mich. Carburetor. 1,855,182; Apr. 26.
Carter, William C., Flint, Mich. Carburetor. 1,856,464; May 3.
Carter, William C., Flint, Mich. Carburetor. 1,866,543; July 12.
Carter, William C., Flint, Mich. Pump. 1,871,040; Aug. 9.
Carter, William C., Flint, Mich. Float mechanism for carburetors. 1,874,443; Aug. 30.
Carter, William D., Caldwell, N. J. Method and apparatus for producing a spray mixture of liquid and gas. 1,856,311; May 3.
Carter, William J., jr., Akron, Ohio. Adjustable ladder. 1,887,495; Nov. 15.
Carter's Ink Company, The. (See La France, David J., assignor.)
Carthage Mills, Incorporated. (See Biedinger, John R., assignor.)
Carthage Mills, Incorporated. (See Campbell, John B., assignor.)
Carthage Mills Incorporated. (See Campbell, Neil L., assignor.)
Cartier, Francois, Paris, France. Secret telegraphy system. 1,868,967; July 26.
Cartier, Inc. (See Cartier, Pierre C., assignor.)
Cartier, Louis J., Budapest, Hungary, assignor to Cartier, Societe Anonyme, Paris, France. Jointed jewel, adaptable to all shapes of nick openings and to all edges of clothes. 1,847,595; Mar. 1.
Cartier, Marcel E., New York, N. Y. Thermostatic mixing valve. 1,842,358; Jan. 19.
Cartier, Marcel E., New Rochelle, N. Y. Thermostatic mixing means. 1,869,063; Aug. 2.
Cartier, Pierre C., New York, assignor to Cartier, Inc., New York, N. Y. Cigar and cigarette lighter. Des. 87,629; July 26.
Cartier, Societe Anonyme. (See Cartier, Louis J., assignor.)
Cartier, Societe Anonyme. (See Laumonier, Felix A., assignor.)
Cartier, Societe Anonyme. (See Lenfant, Louis, assignor.)
Cartin, James D., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 18,71,155; Aug. 9.
Cartledge, John J., Guelph, Ontario, Canada. Athletic supporter. 1,850,795; Oct. 4.
Cartlidge, Frank, Cincinnati, Ohio, assignor to Sullivan Machinery Company. Mining machine. 1,849,276; Mar. 15.
Cartmell, John, assignor to The C. R. C. Air Cleaner Company, Spokane, Wash. Air cleaner. 1,846,706; Feb. 23.
Carton Development Corporation. (See Andrews, Champe S., assignor.)
Carton, William D., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Interchangeable record strip control. 1,870,281; Aug. 9.
Cartoning Machinery Corporation. (See Hohl, George I., assignor.)
Cartoun, Meyer F., assignor to Heller-Deltah Company, Inc., New York, N. Y. Clock case. Des. 87,430; July 26.
Cartum, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp. 1,870,998; Aug. 2.
Cartuschka, Jalean W., New York, N. Y. Waterproof case. 1,851,750; Mar. 29.
Cartwright Automatic Gear Shift Corporation. (See Cartwright, Forest S., assignor.)
Cartwright, Forest S., assignor to Cartwright Automatic Gear Shift Corporation, Indianapolis, Ind. Gear shift. 1,867,061; July 12.
Cartwright, Forest S., assignor to Cartwright Automatic Gear Shift Corporation, Indianapolis, Ind. Gear shift. 1,887,012; Nov. 8.
Caruana, Louis, Astoria, N. Y. Multicolor pencil. 1,851,851; May 17.
Caruthel, Jules A., St. Paul, Minn. Marker. 1,878,673; Sept. 20.
Caruthi, Achille, and C. Paoloni, Brescia, Italy. Manufacturing chloride of lime through azeotropic distillation. 1,874,605; Aug. 30.
Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy locomotive. 1,859,430; May 24.
Caruso, V. L., et al. (See Pysher, Fred L., assignor.)
Caruthers, Eugene W., Secane, Pa. Rail joint. 1,882,406; Oct. 11.
Caruthers, Paul R., trustee. (See Amsler, Walter O., assignor.)
Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Jar closure. 1,863,896; June 21.
Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Closure. 1,879,082; Sept. 27.
Carvel, Richard, New York, N. Y. Building construction. 1,856,906; May 3.
Carvelli, Carl G., Buffalo, N. Y., assignor to Wright Aeronautical Corporation. Oiling system. 1,874,444; Aug. 30.
Carver, Calvin B. P., Bridgewater, Mass. Cylinder for cotton gins or the like. 1,876,203; Sept. 6.
Carver Cotton Gin Company. (See McLean, Robert W., assignor.)

Carver, Edmund C., Burgess Hill, England. Straining device for lawn tennis nets. 1,842,311; Jan. 19.
Carver, Fred S., East Orange, N. J. Cage. 1,867,137; July 12.
Carver, Robert R. (See Feigel, W. A., and Carver.)
Carvour, Speros, Jersey City, N. J. Mop wringing apparatus. 1,883,551; Oct. 18.
Cary, Alexander C., 3d, Larchmont, assignor to American Bank Note Company, New York, N. Y. Automatic stop mechanism control. 1,869,999; Aug. 2.
Cary, Malcolm C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Coiling apparatus. 1,881,018; Oct. 4.
Cary, William H., Brockton, assignor to Avon Sole Company, Avon, Mass. Shoe. 1,839,297; Jan. 5.
Casabianca, Fernando, Sabadell, Spain. Mechanism for joining and drawing textile tapes or slivers. 1,854,690; Apr. 19.
Casablancas, Fernando, Sabadell, Spain. High draft mechanism provided with endless belts. 1,854,691; Apr. 19.
Casabiancas, Fernando, Sabadell, Spain. Reducing device for slivers for drawing mechanisms for textile slivers. 1,870,095; Aug. 2.
Casabona, Bettina, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 88,073; Oct. 25.
Casale, Luigi, deceased, by Maria Casale Sacchi, administratrix, Rome, Italy, assignor, effecting catalytic reactions between gases under pressure and at high temperature. 1,839,758; Jan. 5.
Casale, Luigi, deceased, Rome, by M. Casale, née Caccni, administratrix, Rapallo, Genoa, Italy. Production of hydrogen or hydrogen-nitrogen mixtures or hydrogen-carbon monoxide mixtures. 1,843,540; Feb. 2.
Casale, Maria, née Sacchi, administratrix. (See Casale, Luigi.)
Casaletto, Joseph A., Los Gatos, Calif. Automatic take-up mechanism. 1,877,385; Sept. 13.
Casanas, Ben C. (See Hassey, Charles, assignor.)
Casbarro, John J., and C. G. De Bloom, Columbus, Ohio. Support for the combination receiver-transmitter of a French telephone. 1,849,277; Mar. 15.
Casciotta, Giuseppe, New York, N. Y. Plectrum piano action. 1,849,967; Mar. 15.
Case, Albert H., Mount Hills, W. J. Manufacture of acid phosphate. 1,870,602; Aug. 9.
Case Brothers, Inc., et al. (See Case, L. W., and Cude, assignors.)
Case, Byron A., Fort Wayne, Ind., assignor to General Electric Company. Electrical circuit regulator. 1,874,240; Aug. 30.
Case, Edward R., Lancaster, Pa., assignor, by mesne assignments, to The Kligore Manufacturing Company, Westerville, Ohio. Toy and the like. 1,856,538; May 3.
Case, Francis M. (See Curtiss, Leo, and Case.)
Case, Francis M. (See Day, W. P., and Case.)
Case, Francis M., Cleveland, assignor to The Enterprise Mfg. Co., Akron, Ohio. Fishing reel. 1,855,738; Apr. 26.
Case, Frederick S., San Francisco, Calif. Scraper. 1,872,887; Aug. 23.
Case, Gerald O., Sevenoaks, England. Production of hydraulic cement. 1,848,934; Mar. 8.
Case, Harlow M., Chicago, Ill., assignor to The Western Union Telegraph Company, New York, N. Y. Vacuum tube telegraph repeater. 1,880,796; Oct. 4.
Case, J. I., Company. (See Boda, Joseph E., assignor.)
Case, J. I., Company. (See Brennan, T., 2d, and Davis, assignors.)
Case, J. I., Company. (See Clausen, Leon R., assignor.)
Case, J. I., Company. (See Crawford, John F., assignor.)
Case, J. I., Company. (See Davies, David P., assignor.)
Case, J. I., Company. (See Davis, Calvin R., assignor.)
Case, J. I., Company. (See Gerald, Arthur E., assignor.)
Case, J. I., Company. (See Hansen, Charles W., assignor.)
Case, J. I., Company. (See Heitshu, Daniel C., assignor.)
Case, J. I., Company. (See Hendrickson, Robert O., assignor.)
Case, J. I., Company. (See Huddle, Edwin F., assignor.)
Case, J. I., Company. (See Kranick, Frank N. G.)
Case, J. I., Company. (See Heth, Sherman C., assignor.)
Case, J. I., Company. (See Huddle, Edwin F., assignor.)
Case, J. I., Company. (See Kranick, Frank N. G., assignor.)
Case, J. I., Company. (See Krause, Norman R., assignor.)
Case, J. I., Company. (See MacGregor, Wallace F., assignor.)
Case, J. I., Company. (See Traphagen, Harry R., assignor.)
Case, James W., Schenectady, N. Y., assignor to General Electric Company. Cathode for electric discharge devices. 1,863,394; June 14.
Case, James W., Schenectady, N. Y., assignor to General Electric Company. Seal for electric discharge devices 1,888,071; Nov. 15.
Case, Lawrence W., Highland Park, and H. E. Cude, South Manchester, assignors to Case Brothers, Inc., Manchester, and Case & Marshall, Inc., East Hartford, Conn. Manufacture of paper board. 1,880,329; Oct. 4.
Case, Leland S., San Francisco, Calif. Waterproof boat decking, flashing, and forming same. 1,843,107; Feb. 2.
Case, Lynn B., assignor to John Waldon Corporation, New Brunswick, N. J. Coating machine. 1,873,821; Aug. 23.
Case & Marshall, Inc. (See Case, L. W., and Cude, assignors.)
Case, Philip S., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Spray gun. 1,876,610; Sept. 13.
Case, Philip S., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Spray producing device. 1,876,611; Sept. 13.
Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)
Case, Rolland T., La Crosse, Wis. Toothbrush container. 1,840,433; Jan. 12.
Case, Koscoe, Hamburg, Iowa. Attachment for agricultural machines. 1,842,713; Jan. 26.
Case, Scott L., Los Angeles, Calif. Combination box and table. 1,878,674; Sept. 20.
Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Cell capable of showing the Kerr effect. 1,861,738; June 7.
Case, Theodore W., assignor to Case Research Laboratory Inc., Auburn, N. Y. Photographic apparatus. 1,865,055; June 28.
Case, Theodore W., assignor to Case Research Lab. Inc., Auburn, N. Y. Camera shutter. 1,872,404; Aug. 16.
Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Cell and making the same. 1,872,675; Aug. 23.
Casein Manufacturing Company of America, Inc., The. (See Shisler, George M., assignor.)
Caserta, Michele A., Detroit, Mich. Compressor. 1,877,809; Sept. 20.
Casey, Charles C., Detroit, Mich. Sorting device. 1,851,662; Mar. 29.
Casey, Dennis A., New Orleans, La. Card index system. 1,889,635; Nov. 29.
Casey, Fred E., et al. (See Casey, William B., assignor.)
Casey, Howard T., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Swing hanger for railway trucks. 1,867,654; July 19.
Casey, Howard T., and C. P. Noser, Rochester, N. Y., assignors to The Symington Company. Retaining device. 1,884,564; Oct. 25.
Casey, John P., Laurens, S. C. Let-off motion for looms. 1,855,599; Apr. 26.
Casey, William B., Lake Forest Park, assignor of one-sixth to F. E. Casey and one-sixth to H. T. Ivers, Seattle, Wash. Wheel flange lubricator. 1,887,450; Nov. 8.
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Cash, A. W., Company. (See Terry, Charles M., assignor.)
Cash, Arthur L. (See Heinze, John O., assignor.)
Cash, Claude C., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone circuit. 1,891,561; Dec. 15.
Cash, Gentry, assignor to Standard Oil Company, Whiting, Ind. Method and apparatus for coking tars and hydrocarbon oil residues. 1,844,944; Feb. 16.
Cash, Robert J., jr., Los Angeles, Calif. Golf club. 1,892,482; Dec. 27.
Cash, William A. (See Stephens, F. G. C., Anderson, and Cash.)
Caskey, August, Jamaica, Iowa. Wheel scraper for automotive vehicles. 1,872,120; Aug. 16.
Caskey, Emmett, Council Bluffs, Iowa. Rotary pump. 1,891,302; Dec. 20.
Casler, Herman, Canastota, N. Y. Brake testing device. 1,887,992; Nov. 15.
Casler, Herman, Canastota, and C. P. Grimes, Syracuse, N. Y. Brake testing device. 1,846,414; Feb. 23.
Cason, Dick, K., jr., Nacogdoches, Tex. Pumping jack for oil wells. 1,841,712; Jan. 19.
Cason, Dick K., jr., Houston, Tex. Self-aligning pitman head. 1,874,445; Aug. 30.
Cason, Paul E., assignor to The Cason Six Wheel Attachment Company, New Haven, Conn. Auxiliary axle attachment for motor vehicles. 1,861,111; May 31.
Cason Six Wheel Attachment Company, The. (See Cason, Paul E., assignor.)
Caspar, William F., New York, N. Y., assignor to C. C. Mason, Stamford, Conn. Folding seat. 1,849,864; Mar. 15.
Caspe, Joseph, and W. E. Austin, New York, N. Y., assignors, by mesne assignments, to The Calco Chemical Company, Inc., Bound Brook, N. J. Process and preparations for dyeing furs, hairs and the like material. 1,854,541; Apr. 19.
Casper, Anthony B., assignor to Honde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,880,797; Oct. 4.
Casper, Benjamin A., Minneapolis, Minn. Buffing and abrasive device. 1,879,083; Sept. 27.
Casper, William L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable inductance coil. 1,850,579; Mar. 22.
Casper, William L., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil. 1,853,548; Apr. 12.

Cassady, James L., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Tube and rod forming machine. 1,878,261; Sept. 20.
Casse, Frederick S., San Francisco, Calif. Kitchen utensil. 1,874,898; Aug. 30.
Cassé, Marcel, Essonnes, France. Hat-shaping machine. 1,873,285; Aug. 23.
Cassé, Marcel, Essonnes, France. Hat press. 1,891,344; Dec. 20.
Cassell, Joseph L., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Combination radio receiver and phonograph. 1,860,078; May 24.
Cassell, Joseph L., assignor to Wired Radio, Inc., New York, N. Y. Secret wired radio transmission system. 1,870,490; Aug. 9.
Cassell, William H., and F. E. Dahn; said Dahn assignor to said Cassell, Wenatchee, Wash. Protective collar for boxes. 1,885,589; Nov. 1.
Cassidy, George W., Flushing, N. Y. Direct and indirect lighting fixture. 1,852,407; Oct. 4.
Cassidy, George W., Flushing, N. Y. Lighting fixture control. 1,882,408; Oct. 11.
Cassidy, George W., Flushing, N. Y. Bridge lamp. 1,882,409; Oct. 11.
Cassidy, Leon S., and M. Rempfer, Bridgeton, N. J. Amusement railway. 1,844,544; July 26.
Cassidy, Perry R., Darien, Conn., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,841,311; Jan. 12.
Cassidy, Thomas A., Brooklyn, N. Y., assignor, by mesne assignments, to F. J. Busser, Philadelphia, Pa., and H. T. Hornidge, New York, N. Y., trustees. Heterocyclic nitrogen compounds soluble in aliphatic and aromatic hydrocarbons and to the process of producing the same. 1,860,850; May 31.
Castagna, Pasquale, Brooklyn, N. Y. Thread severing attachment for sewing machines. 1,846,628; Feb. 23.
Castella, Raymond, and J. Nantun, Lausaane, Switzerland. Permanently waving hair and apparatus therefor. 1,866,396; July 5.
Caster, John E., assignor to The Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Grinding machinery. 1,862,882; June 14.
Caster, John E., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,872,405; Aug. 16.
Castiaux, Rupert, Bordeaux, France. Sheet metal radiator. 1,893,337; Jan. 3.
Castiglia, Biagis, Bronx, N. Y. Dirigible headlight for motor vehicles. 1,860,233; May 24.
Castle, Alfred L. (See Castle, E. E., and Castle.)
Castle, Anna E., Beverly, N. J. Catamenial garment. 1,886,642; Nov. 8.
Castle, Melvin A., assignor of one-half to W. H. Gearty, Seattle, Wash. Radio circuit. 1,867,808; July 19.
Castle, Verle A., Delta, Iowa, assignor of one-half to M. S. Levings, Centerville, Iowa. Fence stay. 1,845,211.
Castleman, Vincent F., Oak Park, and O. J. Putting, Springfield, Ill. Vertical filing device. 1,857,838; May 10.
Castner, Joseph E., Houston, Tex. Parachute. 1,840,618; Jan. 12.
Castner, Theodore G., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring apparatus. 1,864,527; June 28.
Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Varnish process. 1,849,278; Mar. 15.
Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Graining process. 1,884,565; Oct. 25.
Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Graining process. 1,884,566; Oct. 25.
Castonguay, William Y., Detroit, Mich. Destroying moth worms. 1,872,676; Aug. 23.
Castorina, Alfio, et al. (See Foti, Charles, assignor.)
Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Testing tires. 1,850,223; Mar. 22.
Castro, Edward, assignor to Duplan Silk Corporation, New York, N. Y. Scarf or similar article. Des. 86,108; Feb. 2.
Castro, Edward, assignor to Duplan Silk Corporation, New York, N. Y. Scarf or similar article. Des. 86,109; Feb. 2.
Castro, Manuel, Canton, Ohio. Cargo handling apparatus for aircraft. 1,871,895; Aug. 16.
Castro, Manuel, Canton, Ohio. Hook for aircraft cargo handling apparatus. 1,873,822; Aug. 23.
Caswell, Arthur E., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,888,307; Nov. 22.
Caswell, Harold E. (See Caswell, Myron J. and H. E.)
Caswell, Myron J. and H. E., Sandusky, Ohio. Dispensing pump. 1,859,287; May 24.
Caswell, Thomas W., Flint, Mich., and G. A. Kelly, New York, N. Y., said Caswell assignor to said Kelly. Manufacturing concrete header blocks. 1,879,841; Sept. 27.
Catala, Maurice, Virginal, and A. Huart, Brussels, Belgium. Machine for the manufacture of asbestos-cement products and the like. 1,876,399; Sept. 6.
Catalytic Process Corporation. (See Clark, Cyril B., assignor.)
Catanzaro, Anthony J. (See Eisenberg, S., and Catanzaro.)
Cataract Fruit Equipment Company. (See Whisnand, C E., and Kuboske, assignors.)
Cataudella, Alfred S., Bridgeport, Conn. Brake band adjusting means. 1,866,248; July 5.
Cater, William H., Chicago, Ill. Drilling cable protecting means. 1,855,337; Apr. 26.
Cater, William H., Chicago, Ill. Bearing. 1,877,495; Sept. 13.
Caterpillar Tractor Co. (See Clove, Jacob, assignor.)
Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)
Caterpillar Tractor Co. (See Radford, William H., assignor.)
Caterpillar Tractor Co. (See Smith, Horatio W., assignor.)
Caterpillar Tractor Company. (See Smith, H. W., Braasch, and Walton, assignors.)
Caterpillar Tractor Co. (See Thoen, Lowell H., assignor.)
Caterpillar Tractor Co. (See Wickersham, Elmer E., assignor.)
Catheard, Harry E., Independence, Mo. Stair carpet seeuring strip. 1,844,530; Feb. 9.
Catlin, DeForest B., Boston, Mass. Internal irrigator. 1,853,202; Apr. 12.
Catozzo, Joseph J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph exchange system. 1,884,567; Oct. 25.
Caton, Leo J. New York, N. Y. Rolling steel columns. 1,892,608; Dec. 27.
Catron, John J., Bonham, Tex. Agitation means and method for ice making. 1,888,526; Nov. 22.
Catron, Robert L., assignor to The Joseph H. Hill Company, Richmond, Ind. Hybrid tea rose. Pl. Pt. 6; Feb. 16.
Catron, Robert L., assignor to Joseph H. Hill Company, Richmond, Ind. Hybrid tea rose. Pl. Pt. 9; Feb. 23.
Catron, Robert Lee, assignor to The Joseph H. Hill Company, Richmond, Ind. Rose. Pl. Pt. 28; Aug. 23.
Cattaneo, Guiseppe, Hilversum, Netherlands, L. Edeleanu, Berlin-Charlottenburg, W. Hess, Berlin-Grob-Lichterfelde-West, P. Jandrier, and I. Rosenberg, assignors to "Edeleanu" Gesellschaft m. b. H., Berlin, Germany. Process for the continuous treatment of hydrocarbons. 1,849,765; Jan. 12.
Cattaneo, Giustino, Milan, Italy. Air cooling of the cylinders of internal combustion engines. 1,843,801; Feb. 2.
Cattaneo, Giustino, Milan, Italy. Manufacture of insulating material. 1,870,323; Aug. 9.
Cattell, Herman C., Columbus, Ohio. Adjustable ground setter. 1,852,446; Apr. 5.
Catterlin, F. J. (See Worthington, George E., assignor.)
Catto, Ronald W., Toronto, Ontario, Canada. Concealed heating for bathrooms. 1,854,579; Apr. 19.
Cattran, Charles, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Printer's blanket. 1,863,258; Apr. 26.
Catucci, Pliny, Newark, N. J. Check writer casing. Des. 86,699; Apr. 12.
Catucci, Pliny, Newark, N. J. Check writer casing. Des. 86,700; Apr. 12.
Caudle, Joseph J., Richmond, Va., assignor to British-American Tobacco Company, Limited, London, England. Tobacco stemming machine. 1,852,147; Apr. 5.
Caudle, Joseph J., Richmond, Va., assignor to British-American Tobacco Company, Limited, London, England. Tobacco stemming machine. 1,852,148; Apr. 5.
Causan, Némorin L., Suresnes, France. Nonwarping chassis for automobile vehicles and the like. 1,886,940; Nov. 8.
Causer, Edward T., assignor to Union Drawn Steel Company, Beaver Falls, Pa. Making crank shafts. 1,860,607; May 31.
Cautley, John R., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,840,808; Jan. 12.
Cautley, John R., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,328; Sept. 6.
Cavan, Charles V., Chicago, Ill. Automatic electrical handiflier. 1,843,865; Feb. 9.
Cavanagh, Gerald F. (See Marbach, E. R., and Cavanagh.)
Cavanagh, Gerald F., assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board. 1,860,654; May 31.
Cavanagh, James, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Incorporating sock linings in shoes. 1,869,686; June 7.
Cavanagh, John F., Robbinsdale, Minn. Knockdown scaffolding. 1,871,041; Aug. 9.
Cavanaugh, Andrew F., Dayton, Ohio. Protecting device for banks. 1,860,013; May 24.
Cavanaugh, James W., Meshoppen, Pa. Windshield heater. 1,865,675; July 5.
Cave, Edward U., Lancaster, assignor of 75 per cent to J. E McKinnon, Columbus, Ohio. Cigar handling machinery 1,865,831; July 5.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Feed apparatus. 1,856,026; Apr. 26.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush element and process. 1,871,775; Aug. 16.
Caverly, George W., assignor to J. S. Waterman & Sons Inc., Boston, Mass. Folding support. 1,854,981; Apr. 19.
Caverly, Russell E., Cleveland, Ohio. Cutter and parer. 1,841,239; Jan. 12.

Cavers, Thomas W., and G. M. Lee, Anyox, British Columbia, Canada. Art of sintering ore fines, flue dust, sulphide, or other concentrates. 1,847,596; Mar. 1.
Cavert, Edward N., assignor of one-third to Samuel Petersen, and one-third to G. B. Archer, Chicago, Ill. Sink positioning mechanism. 1,864,184; June 21.
Cavicchi, Ercole, Quincy, Mass. Pressure applying device for rotary power operated surfacing tools. 1,871,042; Aug. 9.
Cawley, Aloysius J., Pittston, Pa. Sound recording process. 1,872,677; Aug. 23.
Cawley, Aloysius J., Pittston, Pa. Sound reproducing means. 1,878,577; Sept. 20.
Cawood, Richard L., East Liverpool, Ohio. Carton. Des. 85,914; Jan. 5.
Cayer, Theodore E., assignor to Reed & Barton, Taunton, Mass. Spoon or similar article. Des. 86,513; Mar. 15.
Cayo, Eugene F. (See Hepburn, D. M., Sadtler, and Cayo.)
Cayton, Albert. (See Lippe-Lipski, Elaine V. D., assignor.)
Caywood, Grant C. (See Caywood, G. C., and Dodd.)
Cazes, John, and C. Claps, New York, N. Y. Barber's comb. 1,891,303; Dec. 20.
Cebbon, Wendell S., assignor of one-half to C. Roy, E. J. Roy, and J. Abentrod, Detroit, Mich. Engine starting device. 1,891,868; Dec. 20.
Ceccarini, Columbus W., assignor of two-fifths to S. Rutherford, Bedford, Ind. Parcel tie. 1,858,138; May 10.
Ceccarini, Olindo O. (See Shearer, D. G., and Ceccarini.)
Ceccarini, Olindo O., Los Angeles, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiofrequency amplifier. 1,840,350; Jan. 12.
Ceccarini, Olindo O., Beverly Hills, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Light valve. 1,855,623; Apr. 26.
Ceccarini, Olindo O., Beverly Hills, Calif., assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Damped light valve. 1,867,729; July 19.
Cecil, Percy A., Detroit, Mich. Combination tire carrier and reflecting body. 1,873,823; Aug. 23.
Cedar Rapids Engineering Company. (See Dunn, Allen I., assignor.)
Cederberg, Ivar W., Dahlem, near Berlin, Germany, assignor to Oxyammon Aktiengesellschaft, Zurich, Switzerland. Catalyzer for the oxidation of ammonia with oxygen or with gases containing oxygen. 1,889,463; Nov. 29.
Cederberg, Ivar W., Dahlem, near Berlin, Germany, assignor to Oxyammon Aktiengesellschaft, Zurich, Switzerland. Preparation of concentrated nitric acid by the catalytic combustion of ammonia with oxygen or gases rich in oxygen. 1,859,869; May 24.
Cederquist, Emanuel L., Alhambra, Calif. Collapsible table. 1,876,600; Sept. 6.
Cederquist, Harris H., Alhambra, Calif. Tile panel alignment. 1,872,888; Aug. 23.
Cederstrom, Harold A., assignor, by mesne assignments, to The Rosco Manufacturing Company, Minneapolis, Minn. Coupling. 1,868,826; Sept. 20.
Cederstrom, Harold A., assignor, by mesne assignments, to The Rosco Manufacturing Company, Minneapolis, Minn. Spray bar for road spraying vehicles. 1,888,072; Nov. 15.
Cefalu, Andrew. (See Cefalu, S. and A.)
Cefalu, Salvator and A., Brooklyn, N. Y. Permanent wave apparatus. 1,850,789; Mar. 22.
Celanese Corporation of America. (See Beran, Charles F., assignor.)
Celanese Corporation of America. (See Cameron, W. M., and Williams, assignors.)
Celanese Corporation of America. (See Dickie, William A., assignor.)
Celanese Corporation of America. (See Dickie, W. A., and Hale, assignors.)
Celanese Corporation of America. (See Dickie, W. A., and Halkyard, assignors.)
Celanese Corporation of America. (See Dickie, W. A., and Taylor, assignors.)
Celanese Corporation of America. (See Dreyfus, C., Cameron, and Schneider, assignors.)
Celanese Corporation of America. (See Dreyfus, C., Miles, and Platt, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Platt, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Schelderquest, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Dreyfus, H., and Bader, assignors.)
Celanese Corporation of America. (See Dreyfus, H., Ellis, Ockman, and Olpin, assignors.)
Celanese Corporation of America. (See Dreyfus, H., and Hale, assignors.)
Celanese Corporation of America. (See Ellis, George H., assignor.)
Celanese Corporation of America. (See Ellis, G. H., and Olpin, assignors.)
Celanese Corporation of America. (See Ellis, G. H., Olpin, and Walker, assignors.)
Celanese Corporation of America. (See Hargreaves, Clifford, assignor.)
Celanese Corporation of America. (See Kinsella, Edward, assignor.)
Celanese Corporation of America. (See Martin, Robert, assignor.)
Celanese Corporation of America. (See Miles, George W., assignor.)
Celanese Corporation of America. (See Miles, G. W., and Dreyfus, assignors.)
Celanese Corporation of America. (See Mosby, D. H., Olpin, and Ellis, assignors.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Celanese Corporation of America. (See Moss, W. H., and Crutchfield, assignors.)
Celanese Corporation of America. (See Moss, W. H., and White, assignors.)
Celanese Corporation of America. (See O'Dowd, Leslie J., assignor.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Platt, H., Whitehead, and Williams, assignors.)
Celanese Corporation of America. (See Rivat, George, assignor.)
Celanese Corporation of America. (See Rivat, G., Cadgeon, and Dreyfus, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Celanese Corporation of America. (See Taylor, Howard, assignor.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celanese Corporation of America. (See Walton, C. D., and Small, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Celanese Corporation of America. (See Whitehead, W., and Kuhl, assignors.)
Celanese Corporation of America. (See Williams, F. J., and Robinson, assignors.)
Celastic Corporation, The. (See Fausse, J., and Boudrot, assignors.)
Celastic Corporation, The. (See McCormick, F. H., and Schwartz, assignors.)
Celebrity Productions, Inc. (See Iwerks, Herbert U., assignor.)
Celenza, Domenico, Brooklyn, N. Y. Combination square and ruler. 1,882,354; Oct. 11.
Celice Corporation. (See Calvert, Robert, assignor.)
Celite Corporation. (See Endres, Herbert A., assignor.)
Celli, Luigi, Newark, N. J. Adjustable bust form. 1,880,798; Oct. 4.
Cellars, Robert W., assignor to Tug-Tog Inc., Delaware, Ohio. Garment. 1,852,270; Jan. 19.
Cellovis, Inc. (See Wilson, William C., assignor.)
Cellufoam Corporation. (See Bryant, Frank L., assignor.)
Cellulo Company, The. (See Milkey, Lester E., assignor.)
Celluloid Corporation. (See Bowker, W., and Walsh.)
Celluloid Corporation. (See Caprio, Amerigo F., assignor.)
Celluloid Corporation. (See Schweizer, Ernest, assignor.)
Celluloid Corporation. (See Walsh, James F., assignor.)
Celluloid Corporation. (See Walsh, J. F., and Bowker, assignors.)
Celluloid Corporation. (See Walsh, J. F., and Caprio, assignors.)
Celotex Company, The. (See Lathrom, E. C., and Irvine, assignors.)
Celotex Company, The. (See Munroe, Treadway B., assignor.)
Celotex Company, The. (See Munroe, T. B., and Irvine, assignors.)
Celotex Company, The. (See Munroe, T. B., and Lathrop, assignors.)
Cement-Gun Contracting Company. (See Ferry, William J., assignor.)
Cement-Gun Contracting Company. (See Leriche, W., and Beasley, assignors.)
Cement Products Research Corporation. (See Henderson, Albert, assignor.)
Centaur Tractor Corporation. (See Stedman, Charles C., assignor.)
Cen-Tennial Cotton Gin Company. (See Swope, Roy W., assignor.)
Centeno V., Melchor, Caracas, Venezuela. Television apparatus. 1,873,696; Aug. 23.
Centeno V., Melchor, Boston, Mass. Television apparatus. 1,873,926; Aug. 23.
Centorrino, Marcello, New York, N. Y. Circuit breaker. 1,886,790; Nov. 8.
Central Engineering & Sales Company. (See Ubri, William C., jr., assignor.)
Central Hosiery Company. (See Hartranft, Samuel R., assignor.)
Central Patton Company. (See Heidbreder, Herman H., assignor.)
Central Radio Laboratories. (See Osmun, H. E., Rubinstein, and Stoekle, assignors.)
Central Republic Bank and Trust Company of Illinois et al, executors. (See Friendly, Herbert M.)
Central Scientific Company. (See Bandoly, Erich, assignor.)

Central Scientific Company. (See Dubrovin, John, assignor.)
Central Scientific Company. (See Klopsteg, Paul E., assignor.)
Central Scientific Company. (See Magarian, Masick C., assignor.)
Central Scientific Company. (See Sachse, Herman P., assignor.)
Central Trust Company of Illinois et al., executors. (See Friendly, Herbert M., jr.)
Central Tube Company. (See Laughlin, Alexander, jr., assignor.)
Central Union Trust Company, trustees. (See Liddell, Robert P. F., assignor.)
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Century Printing Company. (See Greenlee, James T., assignor.)
Ceramic Development Corporation. (See Lotz, Alfred E. C., assignor.)
Cereghino, Joseph, Los Angeles, Calif., assignor to American Can Company, New York, N. Y., Can filling and closing machine. 1,850,200; Mar. 22.
Cerf Bros. Bag Company. (See Cerf, Ervin W., assignor.)
Cerf, Ervin W., assignor to Cerf Bros. Bag Company, St. Louis, Mo. Bag and attached label. 1,855,473; Apr. 26.
Cerny, John W., Denver, Colo. Railway highway crossing. 1,848,604; Mar. 8.
Ceroda, Alfred J., Elmhurst, N. Y. Safety razor. 1,842,312; Jan. 19.
Cerro de Pasco Copper Corporation. (See Smith, Walter C., assignor.)
Certain-teed Products Corporation. (See Codwise, Philip W., assignor.)
Cesario, Aurelio, New York, N. Y. Water wave power device. 1,844,636; Feb. 9.
Cesario, Aurelio, New York, N. Y. Safety razor. 1,876,570; Sept. 13.
Cessna, John T., jr., Ames, Iowa. Mixing tool. 1,859,968; May 24.
Cézanne, Robert M. A. E., Neuilly-sur-Seine, assignor to Société d'Application du Gaz aux Moteurs "S. A. G. A. M.", Courbevoie, France. Gas producer. 1,849,279; Mar. 15.
Chabot, Armand, Anderlues, Belgium. Apparatus for carbonizing solid fuel. 1,857,834; Nov. 15.
Chace, Harry B., Cincinnati, Ohio. Electrical switch. 1,876,133; Sept. 6.
Chace, Norman B., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Tilting table. 1,859,025; May 17.
Chadbourne, Glenn A., Chadborn, Mont. Sickle bar control. 1,854,264; May 3.
Chadbourne, Glenn A., Chadbourn, Mont. Mowing machine. 1,880,121; Sept. 27.
Chadbourne, Joseph H., Bridgeport, Conn., assignor to E. H. Jacobs Mfg. Co. Lug strap. 1,858,038; May 10.
Chadbourne, Joseph H., assignor to E. H. Jacobs Mfg. Co., Danielson, Conn. Reenforced rope or cord construction and making same. 1,862,505; June 7.
Chadbourne, William C. (See Beardsley, B., and Chadbourne.)
Chadeloid Chemical Company. (See Blyth, J. F., and Ellis, assignors.)
Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
Chadeloid Chemical Company. (See Lougovoy, Boris N., assignor.)
Chadeloid Chemical Company. (See Root, Frank B., assignor.)
Chadwick, Albert E. (See Cosgrove, C., and Chadwick.)
Chadwick, Francis L., assignor to Woodall Industries Incorporated, Detroit, Mich. Vehicle body panel structure. 1,877,265; Sept. 13.
Chadwick, Lee S., Shaker Heights, Ohio. Vibrating machine. 1,844,931; Feb. 16.
Chadwick, Lee S., Shaker Heights, Ohio. Vibrating mechanism. 1,849,706; Mar. 15.
Chadwick, Lee S., Shaker Heights, Ohio. Shaving equipment. 1,867,905; July 19.
Chadwick, Lee S., Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio. Refrigeration apparatus. 1,871,879; Aug. 16.
Chadwick, Lee S., Shaker Heights Village, Mr Resek and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Chimney drum for heaters. 1,840,098; Jan. 12.
Chadwick, Lee S., Shaker Heights Village, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Steam generator. 1,843,914; Feb. 9.
Chadwick, Lee S., Shaker Heights Village, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Combustion refrigeration apparatus. 1,844,932; Feb. 16.
Chadwick, Lee S., Shaker Heights Village, M. Resek, Cleveland Heights, and J. A. Dahlstrom, East Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Rotary oil burner. 1,861,953; June 7.
Chadwick, Lee S., Shaker Heights, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Fuel oil burning apparatus. 1,871,951; Aug. 16.
Chadwick, Lee S., Shaker Heights, M. Resek, Cleveland Heights, and J. A. Dahlstrom, Bay Village, assignors to Perfection Stove Company, Cleveland, Ohio. Oil burning apparatus. 1,871,952; Aug. 16.
Chadwick, Roy, assignor of one-half to A. V. Roe & Company Limited, Newton Heath, Manchester, England. Machine gun mounting. 1,839,949; Jan. 5.
Chadwick, Verner R., London, England. Chain grate stoker. 1,879,732; Sept. 27.
Chadwick, William H., Chicago, Ill. Publicity apparatus. 1,842,895; Jan. 26.
Chafee, Bertha L., Middletown, Conn. Holding device. 1,847,471; Mar. 1.
Chafee, Earl W., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Target indicator. 1,862,494; June 7.
Chaffee, Court B., Los Angeland, W. D., and Chaffee.)
Chaffee, Edmund L. (See Rosener, L. S., Smith, and Chaffee.)
Chaffee, Edward F., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Weather or buffer strip for window sashes. 1,877,729; Sept. 13.
Chaffee, Edward F., assignor to The O. M. Edwards Company Inc. Syracuse, N. Y. Sheet metal sash and ventilator. 1,885,230; Nov. 1.
Chaffee, Stewart W., New York, N. Y. Tiled door. 1,852,696; Apr. 5.
Chagniard, Edmond. (See Kaetvelichvili, A., and Chagniard.)
Chagniard, Edmond, and A. Kartvelichvili, assignors to Chagnikart International Aviation Corporation, New York, N. Y. Airplane fuselage and constructing the same. 1,839,645; Jan. 5.
Chagniard, Edmond, and A. Kartvelichvili, assignors to Chagnikart International Aviation Corporation, New York, N. Y. Airplane wing structure and making the same. 1,883,552; Oct. 18.
Chagnikart International Aviation Corporation. (See Chagniard, E., and Kartvelichvili, assignors.)
Chagnkart International Aviation Corporation. (See Kartvelichvili, A., and Chagniard, assignors.)
Chain Belt Company. (See Bleyer, Charles F., assignor.)
Chain Belt Company. (See Bleyer, Lloyd G., assignor.)
Chain Belt Company. (See Foster, A., jr., and Ball, assignors.)
Chain Belt Company. (See Gary, Francis P., assignor.)
Chain Belt Company. (See Jewett, Maurice G., assignor.)
Chain Belt Company. (See Longenecker, Charles L., assignor.)
Chain Belt Company. (See Merwin, John C., assignor.)
Chain Belt Company. (See Roblee, M. A., and Kunz, assignors.)
Chain Belt Company. (See Roddy, Gustav R., assignor.)
Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
Chain Belt Company. (See Shafer, S. jr., and Ball, assignors.)
Chain, Leonard, Owensdale, Pa. Knockdown box. 1,883,553; Oct. 18.
Chain Products Company, The. (See Hodell, Frederick G., assignor.)
Chain Products Company, The. (See Olmstead, Frederick A., assignor.)
Chain Products Company, The. (See Samuelson, Samuel, assignor.)
Chain Saw Corporation. (See Bens, Samuel J., assignor.)
Chain Store Products Corporation. (See Goldberg, Sol H., assignor.)
Chain Store Products Corporation. (See Hermsdorf, Walter H., assignor.)
Chalikian, Samuel, New York, N. Y. Pastry and making the same. 1,853,037; Apr. 12.
Challenge Company. (See Lewis, Robert L., assignor.)
Challenge Machinery Company. (See Garlick, Mark J., assignor.)
Challenge Machinery Company. (See Lee, James E., assignor.)
Challenge Machinery Company. (See Lee, J. E., Barney, and Beatty, assignors.)
Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Rug tufting machine. 1,864,414; June 21.
Chalmers, Charles H., Minneapolis, Minn. Oil burner. Des. 88,074; Oct. 25.
Chalmers, Charles H., Minneapolis, Minn. Oil burner regulating and relief device. 1,871,043; Aug. 9.
Chalmers, George G., Huntington Beach, Calif. Well drilling bit. 1,847,381; Mar. 1.
Chalmers, Henry B., New York, N. Y. Oscillatory and unidirectional torque mechanism. 1,860,383; May 31.
Chalmers, John W., London, England. Packing machinery. 1,843,802; Feb. 2.
Chalmers, Raymond W., assignor to Evans Products Company, Detroit, Mich. Chain anchor. 1,853,605; Apr. 12.
Chalmers, Raymond W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Shipping device. 1,854,982; Apr. 19.
Chalmers, William P. (See Robertson, O. W., and Chalmers.)
Chalupny, William, St. Louis, Mo. Level. 1,848,003; Mar. 1.
Chamberlain, Alfred J., Milwaukee, Wis. Dispensing container. 1,877,226; Sept. 13.

Chamberlain, Alfred L., Port Huron, assignor of one-eighth to G. B. Willcox, Saginaw, Mich. Manufacture of precooked legume food products. 1,859,270; May 24.

Chamberlain, George H., jr., Elyria, Ohio. Steam generating device. 1,864,800; June 28.

Chamberlain, George L., Chicago, Ill. Sectional plug structure. 1,872,678; Aug. 23.

Chamberlain, George L., Chicago, Ill. Joining telescoped tubular members. 1,889,974; Dec. 6.

Chamberlain, George L., and G. H. Gneiss, Chicago, Ill.; said Gneiss assignor to said Chamberlain. Electrical wiring conduit. 1,859,259; May 17.

Chamberlain, George L., and G. H. Gneiss, Chicago, Ill.; said Gneiss assignor to said Chamberlain. Concealed electrical conduit system. 1,861,435; June 7.

Chamberlain & Hookham Limited. (See James, Samuel, assignor.)

Chamberlain Laboratories, Inc. (See de Vaulchier, Simon, assignor.)

Chamberlain, Rufus N., Chicago, Ill., assignor, by mesne assignments, to American Container Corporation, St. Paul, Minn. Composition for battery boxes. 1,886,269; Nov. 1.

Chamberlaine, Joseph E. M., Baltimore, Md. Trolling fish lure. 1,855,096; Apr. 19.

Chamberlaine, Joseph E. M., Baltimore, Md. Trolling fish lure. 1,855,097; Apr. 19.

Chamberlain, Leon H., Oakland, assignor to Waterworks Supply Company, San Francisco, Calif. Indicating and controlling system. 1,877,810; Sept. 20.

Chamberlain Machine Works. (See Etten, Nicholas L., assignor.)

Chamberlain, Theron T., assignor of one-half to C. T. Hanley, Chicago, Ill. Casement window and hinge therefor. 1,869,542; Aug. 2.

Chamberlin, Clarence P., Detroit, Mich. Making annular objects. 1,889,773; Dec. 6.

Chamberlin, Clarence P., Detroit, Mich. Construction of annular objects, such as tire covers. 1,889,774; Dec. 6.

Chamberlin, Harry L., Lansing, Mich. Apparatus for injecting chlorine gas under control directly into water pressure mains. 1,840,223; Jan. 5.

Chamberlin Metal Weatherstrip Company. (See Julien, Louis F., assignor.)

Chamberlin Metal Weather Strip Company. (See Olson, J. M., and Nelson, assignors.)

Chamberlin Metal Weatherstrip Co. (See Seide, Max, assignor.)

Chambers Bering, Quinlan Company. (See Cooper, Earl E., assignor.)

Chambers Brothers Company. (See King, Howard K., assignor.)

Chambers Brothers Company. (See Ritchie, Ralph E., assignor.)

Chambers, Edward T., Hove, England. Carburetor and the like. 1,850,532; Mar. 22.

Chambers, Edwin H., et al. (See Clayden, Fred, assignor.)

Chambers, Henry W., and A. Jakobi, Phoenix, Ariz. Combined lift jack and dolly. 1,868,193; July 19.

Chambers, Ira L., assignor to Garbet Tool Company, bankrupt, Garbet, Okla.; E. A. Reed, trustee. Cutter bearing structure. 1,863,084; June 14.

Chambers, John H., Belfast, Ireland. Change speed gear. 1,865,126; Feb. 16.

Chambers, Karl D., Montgomery, Ala. Apparatus for and method of lighting automotive vehicles. 1,858,702; May 17.

Chambers, L. C. (See Rasco, Charles A., assignor.)

Chambers, Reed M., San Francisco, Calif., assignor, by mesne assignments, to Bendix Stromberg Carburetor Company, South Bend, Ind. Gauge. 1,880,236; Oct. 4.

Chambers, Robert M., Finaghy, Belfast, assignor to G. and T. Martin, Belfast, Ireland. Depositing machine for dough, semifluid, pasty, or like materials. 1,857,621; May 10.

Chambers, Robert M., Finaghy, Belfast, assignor to G. and T. Martin, Belfast, Ireland. Depositing machine for dough, semifluid, pasty, or like materials. 1,857,622; May 10.

Chambreau, William W. (See Lando, Harry, assignor.)

Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,840,851; Jan. 12.

Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,840,832; Jan. 12.

Champion Coated Paper Co., The. (See Lauderman, Vincent A., assignor.)

Champion Coated Paper Company, The. (See Münch, Carl, assignor.)

Champion Coated Paper Company, The. (See Steffen, Raymond A., assignor.)

Champion Company, The. (See Seely, John M., assignor.)

Champion Company, The. (See Spriggs, Arthur O., assignor.)

Champion Fibre Company, The. (See Helder, Horatio A., assignor.)

Champion Fibre Company, The. (See Murdock, Harold R., assignor.)

Champion Fibre Company, The. (See Robertson, Reuben B., assignor.)

Champion Folding Furniture Company. (See Harter, Noah S., assignor.)

Champion, Harry E., et al., executors. (See Zifferer, Lothar R., assignor.)

Champion, John H. W. (See Hamm, R. H., and Champion.)

Champion Machine & Forging Company, The. (See Johnson, Howard F., assignor.)

Champion Pneumatic Machinery Co. (See Rayfield, Frederick J., assignor.)

Champion Porcelain Company. (See Jeffery, Benjamin A., assignor.)

Champion Porcelain Company. (See Jeffery, J. A., and Riddle, assignors.)

Champion Spark Plug Company. (See Dewar, Charles E., assignor.)

Champion Spark Plug Company. (See Rohde, Otto C., assignor.)

Champion Spring Company, The. (See Kieseler, Otto H., assignor.)

Champlin, Francis J. B. (See Champlin, Philip T. and F. J. B.)

Champlin, Philip T. and F. J. B., Little Valley, N. Y. Knife. 1,852,399; Apr. 5.

Champlin, Silas H., P. A. Cutter, F. Kasten, and P. C. Bute, assignors to Golden State Asparagus Co., San Francisco, Calif. Asparagus grader and cutter. 1,872,889; Aug. 23.

Champlin, Tint, Little Valley, N. Y. Blade lock for pocket knives. 1,852,400; Apr. 5.

Chanaberry, Ray W., Louisville, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Bonding locator. 1,874,577; Sept. 6.

Chance, Albert E. (See Taylor, Herbert M., assignor.)

Chance, Albert B., Centralia, Mo. Earth anchor. 1,861,697; Dec. 20.

Chance, James L., Ranger, Tex. Rim tool. 1,888,619; Nov. 22.

Chance, Percival H., Montclair, N. J., assignor to Colling & Aikman Corporation, Philadelphia, Pa. Carpeting. 1,842,746; Jan. 26.

Chance, Thomas M., Merion, Pa. Method and apparatus for separating materials of different specific gravities. 1,854,107; Apr. 12.

Chance, Thomas M., Merion, Pa. Separating materials of different specific gravities. 1,876,533; Sept. 13.

Chance Vought Corporation. (See Vought, Chance M., assignor.)

Chance Vought Corporation. (See Watter, Michael, assignor.)

Chancellor, John W., Bowie, Tex. Deep well pumping apparatus. 1,863,672; July 5.

Chandler, Arthur C., Toronto, Ontario, Canada. Extension table for cabinets. 1,853,507; Apr. 12.

Chandler, Carl B., Havana, Ill. Ignition device for fuel burners. 1,887,230; Nov. 8.

Chandler, Charles T., Eustis, Fla., assignor to Carman & Co., Inc., New York, N. Y. Garment protector. 1,875,416; Sept. 6.

Chandler, David G. (See Svendsen, R. T., and Chandler.)

Chandler, Edward M., Alcoa, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Plate holder for molds. 1,845,649; Feb. 16.

Chandler, Edwin, Lisbon, Ohio. Cart. 1,869,355; Aug. 2.

Chandler, Franklin P., assignor to Ross Gear & Tool Co., La Fayette, Ind. Steering gear. 1,844,005; Feb. 9.

Chandler, Franklin F., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering gear pin mounting. 1,848,825; Mar. 8.

Chandler, Henry T., New York, N. Y. Valve follower. 1,859,293; July 5.

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Automatic starting device. 1,847,521; Mar. 1.

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Automatic starter for electric motors. 1,849,280; Mar. 15.

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Automatic starter for electric motors. 1,849,281; Mar. 15.

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Clamp. 1,863,039; June 14.

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Switch. 1,877,445; Sept. 13.

Chandler, Milford W., Flint, Mich. Fuel feeding means for internal combustion engines. 1,880,799; Oct. 4.

Chandler, Milton E. (See Mock, F. C., Gustafson, and Chandler.)

Chandler, Milton E., South Bend, Ind., and D. Cole, Evanston, Ill.; said Chandler assignor to Bendix-Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,852,918; Apr. 5.

Chandler & Price Company, The. (See Root, Charles F., assignor.)

Chandler and Price Company, The. (See Tyler, R. S., and McGeorge, assignors.)

Chandler, Wallace L., East Lansing, Mich., assignor, by mesne assignments, to Merck & Co. Inc., Rahway, N. J. Colloidal iodine and making the same. 1,866,923; July 12.

Chandler, Wallace L., East Lansing, Mich., assignor, by mesne assignments to Merck & Co. Inc., Rahway, N. J. Iodine composition. 1,879,601; Sept. 27.

Chaney, Harvey P., Los Angeles, Calif. Cotton fiber rolling device. 1,879,084; Sept. 27.

Chaney, Newcomb K., Cleveland, Ohio, assignor to National Carbon Company, Inc. Irradiating device. 1,842,313; Jan. 19.

Chaney, Newcomb K., Lakewood, Ohio, assignor to National Carbon Co., Inc. Treating water. 1,890,969; Dec. 13.

Chaney, Ray. (See Anglemyer, H. B., and Chaney.)

Chann, Thomas, New York, N. Y. Loud speaker. 1,869,665; Aug. 2.

Chanter, Arthur J., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined lamp and horn. Des. 87,739; Sept. 13.

Chapal Donner Corporation, The. (See Donner, Philip C., assignor.)

Chapal-Donner Corporation, The. (See Plass, Robert H., assignor.)

Chapatte, Albert J., Brighton Beach, N. Y. Watch pendent construction. 1,862,526; June 14.

Chapin, Albert J., Los Angeles, and G. W. Shaver, San Diego, Calif., assignors to A. J. Chapin and G. W. Shaver, Rolling stock. 1,881,645; Oct. 4.

Chapin, Charles H., Chicago, Ill. Hydraulic shock absorber. 1,887,709; Nov. 15.

Chapin, Edward S., Plainfield, N. J., and A. H. Jacoby, Ashby, Mass., assignors to The Deltex Company. Apparatus for treating and aging fabrics. 1,861,623; June 7.

Chapin, Edward S., Pawtucket, R. I., and A. H. Jacoby, Ashby, Mass., assignors to The Deltex Company. Treating and aging fabrics. 1,861,624; June 7.

Chapin-Fulton Manufacturing Company. (See Ralston, William S., assignor.)

Chapin, George M., and H. H. Goff, Hammond, Ind. Apparatus for the manufacture of feed for chickens and other animals. 1,877,266; Sept. 13.

Chapin, Harrison L. (See Folmer, W. F., and Chapin.)

Chapin, Herbert L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for assembling shoe parts. 1,839,199; Jan. 5.

Chapin, Herbert L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Spray coating machine. 1,841,431; Jan. 19.

Chapin, Herbert L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying a strip of tape to a piece of sheet material. 1,884,565; Oct. 25.

Chapin, Philip P., and W. J. Kupec, New York, N. Y. Automatically refrigerating receptacle. 1,862,330; June 7.

Chapin, William H., Atlantic City, N. J. Mute. 1,843,444; Feb. 2.

Chapin, William J., assignor to Chicago Steel Foundry Company, Chicago, Ill. Metallurgical device. 1,854,179; Apr. 19.

Chapin, William R., Indianapolis, Ind. Cementing tungsten carbide to other metals. 1,890,175; May 24.

Chapin, William R., Indianapolis, Ind. Furnace for heat treating metals. 1,883,555; Oct. 18.

Chaplean, Louis A., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. Des. 87,958; Oct. 18.

Chaplean, Louis A., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. 1,872,406; Aug. 16.

Chaplin, Edwin D., New York, assignor to H. D. Penney, Pelham, N. Y. Gyroscopic compass. 1,864,801; June 28.

Chaplin, Merle P. (See Hart, J. M., and Chaplin.)

Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Me. Producing molded articles. 1,845,830; Feb. 16.

Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Me. Producing molded pulp articles. 1,845,831; Feb. 16.

Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Molded pulp articles. 1,846,310; Feb. 23.

Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Producing molded pulp articles. 1,848,055; Mar. 1.

Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Integral molded article. 1,848,056; Mar. 1.

Chapman, Arthur G., Butler, N. J., assignor to American Telephone and Telegraph Company. Apparatus and method for remedying cross talk. 1,863,651; June 21.

Chapman, Arthur G., Butler, and R. G. McCurdy, Englewood, N. J., assignors to General Telephone and Telegraph Company. Prevention of overhearing in program circuits. 1,889,821; Dec. 6.

Chapman, Arthur W., Putney, London, England. Adjustable seat mechanism. 1,875,915; Sept. 6.

Chapman, Charles F., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Thermometer. 1,883,554; Oct. 18.

Chapman, Charles H., Scotia, and G. R. Townsend, Schenectady, N. Y., assignors to General Electric Company. Thermo relay. 1,842,958; Jan. 26.

Chapman, Charles M., et al. (See Nankivell, Frank J., assignor.)

Chapman, Cloyd M., Douglaston, N. Y. Bonding cement and gypsum. 1,874,170; Aug. 30.

Chapman, Cloyd M., Douglaston, N. Y. Structural unit and making same. 1,889,745; Dec. 6.

Chapman, Edward L., Tulsa, Okla. Tool for installing brake springs. 1,843,866; Feb. 2.

Chapman Electric Neutralizer Company. (See Chapman, William H., assignor.)

Chapman, Elmer B. (See Gramsa, Joseph G., assignor.)

Chapman, Everett, assignor to The Lincoln Electric Company, Cleveland, Ohio. Electric switch. 1,884,569; Oct. 25.

Chapman, Everett, assignor to The Lincoln Electric Company, Cleveland, Ohio. Portable electrode holder. 1,884,570; Oct. 25.

Chapman, Everett, assignor to The Lincoln Electric Company, Cleveland, Ohio. Starting switch. 1,884,571; Oct. 25.

Chapman, Everett, assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc snuffer. 1,884,572; Oct. 25.

Chapman, Everett, Coatesville, assignor to The Lincoln Electric Company, Cleveland, Ohio. Dynamo electric machine and cooling same. 1,884,573; Oct. 25.

Chapman, Everett, assignor to Lukenweld, Inc., Coatesville, Pa. Welded blank for machine elements and the like and making the same. 1,888,027; Nov. 15.

Chapman, Frank D., Berlin, Wis. Mixture conditioning device. 1,844,346; Feb. 9.

Chapman, Frank D., Berlin, Wis. Oscillatory heater mixer. 1,844,347; Feb. 9.

Chapman, Frank D., Berlin, Wis. Treating granular edible commodities. 1,879,085; Sept. 27.

Chapman, Frank D., Berlin, Wis. Quality gravity separating materials. 1,885,987; Nov. 1.

Chapman, Frank D., Berlin, Wis. Quality grading. 1,885,988; Nov. 1.

Chapman, Frank F. B., Nashua, N. H. Dispensing closure for collapsible tubes. 1,843,707; Feb. 2.

Chapman, Fred J., Douglas, Ariz. Glare screen or visor for motor vehicles. 1,885,510; Nov. 1.

Chapman, Frederick R., Evanston, assignor to The Harrington & King Perforating Company, Chicago, Ill. Grille panel unit. Des. 87,905; Oct. 11.

Chapman, James, et al. (See Brown, Benjaman W., assignor.)

Chapman, Laura Emily Scott, et al. (See Brown, Benjaman W., assignor.)

Chapman, Mearl J., Cleveland, Ohio, assignor to Great Lakes Aircraft Corporation. Radius forming fixture. 1,886,082; Nov. 1.

Chapman, Mearl J., Cleveland Heights, Ohio, assignor, by mesne assignments, to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic rivet squeezer. 1,886,241; Nov. 1.

Chapman, Paul, New York, N. Y. Derrick construction. 1,856,907; May 3.

Chapman, Penrose E., St. Louis, Mo. Liquid level regulator. 1,839,865; Jan. 5.

Chapman, Ralph E., Brooklyn, N. Y. Balanced joint. 1,858,626; May 17.

Chapman, Ralph W., assignor to Old Town Company, Old Town, Me. Absorbent plate or dish. 1,865,742; July 5.

Chapman, Raymond A., Oklahoma City, Okla. Floor laying machine. 1,851,931; Mar. 29.

Chapman, Shelby C., assignor to Electrical Research Products Inc., New York, N. Y. Sound picture system. 1,888,220; Nov. 22.

Chapman Valve Manufacturing Company. (See Fox, George E., assignor.)

Chapman Valve Manufacturing Company. (See Jones, John E., assignor.)

Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,851,563; Mar. 29.

Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,860,172; May 24.

Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Electric arc welding. 1,886,524; Nov. 8.

Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Automatic arc welding apparatus. 1,886,643; Nov. 8.

Chapman, Wilfred H., Stechford, D. W. Pounder, Moseley, and E. A. Murphy, Erdington, England, assignors to Dunlop Rubber Company, Limited. Producing rubber articles. 1,852,447; Apr. 5.

Chapman, William B. (See Andrews, C. W., and Chapman.)

Chapman, William B., Jackson Heights, N. Y. Underfeed mechanism for fuel beds. 1,857,354; May 10.

Chapman, William B., Jackson Heights, N. Y., assignor, by mesne assignments, to The Cooper-Bessemer Corporation, Mount Vernon, Ohio. Ash removing apparatus for gas producers and the like. 1,857,355; May 10.

Chapman, William B., Jackson Heights, N. Y. Furnace construction. 1,888,585; Nov. 22.

Chapman, William B., Jackson Heights, N. Y. Firebed agitating mechanism. 1,888,586; Nov. 22.

Chapman, William C., Chicago, Ill. Tie-back for drapes, curtains, and the like. Des. 87,300; July 5.

Chapman, William C., Chicago, Ill. Curtain and drape structure. 1,892,448; Dec. 27.

Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Me. Neutralizer bar. 1,841,323; Jan. 12.

Chapman, William H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Centerless grinder. 1,863,832; June 21.

Chappell Allen & Company Limited. (See Gordon, John W., assignor.)

Chappell, Eugene L., Pittsburgh, Pa. Reclaiming pipe. 1,888,961; Nov. 22.

Chappell, Frank L., Hobart, N. Y. Method of and apparatus for drying casein. 1,892,233; Dec. 27.

Chappell, Marvin L. (See Halloran, R. A., Chappell, and Osmer.)

Chappell, Marvin L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbons with a chlorinated hydrocarbon in the presence of a metallic halide. 1,878,262; Sept. 20.

Chappell, Marvin L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Calif. Producing hydrocarbon products by action of a metallic halide and a partially chlorinated mineral oil of the carbocyclic series. 1,891,619; Dec. 20.

Chappell, Marvin L., Watson, and T. H. Dowlen, assignors to Richfield Oil Company of California, Los Angeles, Calif. Oxidizing oils. 1,865,081; June 28.

Chapper, Frank E., Detroit, Mich. Portable oven. 1,849,490; Mar. 15.

Chapple, John C., St. Louis, Mo. Locomotive arch. 1,857,272; May 10.

Chapuis, Maxime, Chicago, Ill. Smoker's stand. Des. 87,202; June 21.

Charavay, Frederick, assignor of one half to Hartzel Industries, Inc., Piqua, Ohio. Propeller balancing mechanism. 1,880,313; Oct. 4.

Charen, Myer, assignor to Universal Dental Company, Philadelphia, Pa. Carding device for artificial teeth. 1,857,999; May 10.

Charen, Myer, assignor to Universal Dental Company, Philadelphia, Pa. Display holder. 1,879,658; Sept. 27.

Charles, Ernest A., Clamecy, assignor to la Societe Anonyme des Produits Chimiques de Clamecy (Nievre), Clamecy (Nievre), France. Treatment of crude pyroligneous acid. 1,847,597; Mar. 1.

Charles, Eva A., Wichita, Kans. Pocket. 1,850,827; Mar. 22.

Charles, Maurice, Courbevoie, France. Hydraulic braking system. 1,839,298; Jan. 5.

Charles, Maurice, Courbevoie, France. Brake system. 1,875,989; Sept. 6.

Charles, Maurice, Courbevoie, France. Brake wheel for airplanes. 1,885,683; Nov. 1.

Charles, Ridley M. (See Kalender, E. L., and Charles.)

Charleston Dry Dock & Machine Company et al. (See Smith, Richard F., assignor.)

Charlesworth, William A., Eagle Bridge, N. Y. Window bolt. 1,863,467; June 14.

Charlesworth, Stanton I. A. W. Harris and C. P. Linder, Cleveland, Ohio. Distilling apparatus. 1,868,625; July 26.

Charlesworth, Stanton I., A. W. Harris, and C. P. Linder, Cleveland, Ohio. Laboratory distillation apparatus. 1,892,609; Dec. 27.

Charlesworth, Stanton I., Cleveland Heights, and A. W. Harris, Cleveland, Ohio. Laboratory distillation apparatus. 1,892,609; Dec. 27.

Charley, Walter G., Punta San Juan, Cuba. Cigarette and similar article. 1,858,951; May 17.

Charlin, André M. R., Montrouge, and P. M. G. Toulon, Puteaux, France. Device reproducing the sounds recorded on a talking cinematographic film. 1,885,989; Nov. 1.

Charlotte Chemical Laboratories Inc. (See Jarrell, C. S., and Webb, assignors.)

Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Gaseous conduction device. 1,847,927; Mar. 1.

Charlton, Harold, Chicago, Ill. Bird cage. 1,860,992; May 31.

Charlton, James, Houston, Tex. Rotary expansion drilling tool. 1,858,263; May 17.

Charmaux Patent Corset Company Limited, The. (See Greig, Jeanne F., assignor.)

Charney, Aaron, Chicago, Ill. Glove palm. 1,885,182; Nov. 1.

Charnock, John F., assignor to Hersey Manufacturing Company, Boston, Mass. Sugar molding machine. 1,860,005; May 24.

Charrier, Henri, assignor to Societe Anonyme; Apparells et Evaporateurs Kestner, Lille, France. Production of nitrates of lime. 1,869,603; June 28.

Charroin, Arthur B., San Diego, Calif. Powder puff and making the same. 1,887,194; Nov. 8.

Chase Appliance Corporation. (See Holinger, Emil F., assignor.)

Chase, Charles C., St. Joseph, Mo. Candy package. 1,873,286; Aug. 23.

Chase, Charles E., and E. J. Fiegel, assignors to Line-O-Graph Company, Kansas City, Mo. Rotor for display devices. 1,891,797; Dec. 20.

Chase Companies, The. (See Ackerman, Jay, assignor.)

Chase Companies, The. (See Cornell, Edward S., jr., assignor.)

Chase Companies, The. (See Crampton, D. K., and Burghoff, assignors.)

Chase Companies, The. (See Gerth, Ruth, assignor.)

Chase Companies. (See Hall, Frederick E., assignor.)

Chase Companies, The. (See Mitchell, August, assignor.)

Chase Companies, The. (See Pope, Elton A., assignor.)

Chase Companies, The. (See Recker, Adolph C., assignor.)

Chase Companies, The. (See Stuart, Charles J., assignor.)

Chase Companies, The. (See Surface, M. E., and Wellington, assignors.)

Chase Companies, The. (See von Nessen, Walter, assignor.)

Chase Companies, Incorporated, The. (See Recker, A. C., and Nichols, assignors.)

Chase, Curtis D., Alston, Mass., assignor to Chase Holding Corporation, Tusk car hauler. 1,865,556; July 5.

Chase, Elroy A., Northfield, assignor to Rock of Ages Corporation, Burlington, Vt. Producing a contoured surface on stone. 1,841,226; Jan. 5.

Chase, Emery H., Addison, N. Y. Violin. 1,887,398; Nov. 8.

Chase, Ernest L. (See Morse, L. H., and Lockhart.)

Chase Foundry & Manufacturing Company, The. (See Chase, Sherwood M., assignor.)

Chase, Francis F., Melrose, Mass. Vaporizer. 1,859,431; May 24.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,841,170; Jan. 12.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,842,554; Jan. 26.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,845,863; Feb. 16.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Power transmission mechanism. 1,846,583; Feb. 23.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Forming internal and crown gears. 1,847,926; Mar. 1.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Mechanical movement. 1,858,763; May 17.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Variable speed transmission for registers. 1,859,195; May 17.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Decimal equivalent selector mechanism. 1,878,757; Sept. 20.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Automatic control for calculating machines. 1,888,161; Nov. 15.

Chase, George C., South Orange, and L. R. Brown, East Orange, assignors to Monroe Calculating Machine Company, Orange, N. J. Calculating and listing machine. 1,857,356; May 10.

Chase, George C. South Orange, and C. F. Schweitzer, Bloomfield, assignors to Monroe Calculating Machine Company, Orange, N. J. Calculating machine 1,858,321; May 17.

Chase, Henry A. (See Richter, G. A., and Chase.)

Chase, Herbert L., Denver, Colo. Propeller assembly for airships. 1,867,809; July 19.

Chase Holding Corporation. (See chase, Curtis D., assignor.)

Chase, Leland H., Northampton, Mass., assignor to Holmes Electric Protective Company, New York, N. Y. Alarm system. 1,868,884; July 26.

Chase, Leon W. (See Brand, J. C., and Chase.)

Chase, Leon W., assignor to Chase Plow Company, Lincoln, Nebr. Three-row listed corn cultivator. 1,851,494; Mar. 29.

Chase, Leon W., F. L. Zybach, and J. C. Brand, assignors to Chase Plow Company, Lincoln, Nebr. Cultivator. 1,879,733; Sept. 27.

Chase, Lucius F., Los Angeles, Calif. Transmission for internal combustion engines. 1,855,222; Apr. 26.

Chase, Philip H. (See Maxwyenny, Joseph P., assignor.)

Chase, Philip H., Bala-Cynwyd, Pa. Strand reenforcement. 1,887,536; July 12.

Chase Plow Company. (See Brand, J. C., and Chase, assignors.)

Chase Plow Company. (See Chase, Leon W., assignor.)

Chase Plow Company. (See Chase, L. W., Zybach, and Brand, assignors.)

Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)

Chase, Sherwood M., assignor to The Chase Foundry and Manufacturing Company, Columbus, Ohio. Coupler. 1,853,163; Apr. 12.

Chase, Sherwood M., assignor to The Chase Foundry & Manufacturing Company, Columbus, Ohio. Coupler. 1,885,079; Oct. 25.

Chase, Sherwood M., assignor to The Chase Foundry and Mfg. Co., Columbus, Ohio. Trailer truck. 1,888,451; Nov. 22.

Chase, Sherwood M., assignor to The Chase Foundry and Manufacturing Company, Columbus, Ohio. Coupler. 1,889,237; Nov. 29.

Chase, Stephen, jr. (See Chase, Stephen, assignor.)

Chase, Stephen, Dunedin, Fla., assignor to S. Chase, jr., Hamilton, Ohio, Distributor. 1,857,495; May 10.

Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake shoe. 1,844,461; Feb. 9.

Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Composite brake shoe. 1,853,508; Apr. 12.

Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake shoe. 1,883,556; Oct. 18.

Chase, Theron P., Royal Oak, and W. S. Lee, assignors to General Motors Research Corporation, Detroit, Mich. Combination band and shoe brake. 1,846,024; Feb. 23.

Chase, Warren H., Cleveland Heights, Ohio. Sound controlling means. 1,854,019; Apr. 12.

Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ornamental tension device for sewing machines. 1,842,444; Jan. 26.

Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Groundcloth tension device for sewing machines. 1,862,658; June 14.

Chasselon, René L., Paris, France. Tagging laces, strings, and the like. 1,854,374; May 3.

Chatain, Henri G., assignor to Hammermill Paper Company, Erie, Pa. Method of and apparatus for supplying power in connection with paper manufacture. 1,851,751; Mar. 29.

Chatain, Henri G., assignor to Hammermill Paper Company, Erie, Pa. Paper shake apparatus and method. 1,865,613; July 5.

Chatain, Henri G., Erie, Pa., assignor to Northern Laboratories, Inc., Cleveland, Ohio. Heat transfer device. 1,891,108; Dec. 6.

Chatfield, Clarence E. (See Hamer, W. D., Chatfield, and Mills.)

Chatillon, Victor M., assignor to Sun Oil Company, Philadelphia, Pa. Heat exchanger. 1,876,401; Sept. 6.

Chatham Phenix National Bank & Trust Company, executor. (See Dykes, D. D.)

Chatham Specialty Corporation. (See Kohn, Koby, assignor.)

Chatillon, George E., assignor to John Chatillon & Sons, New York, N. Y. Device for determining the resistance of bodies to deflection. 1,871,776; Aug. 16.

Chatillon, George E., assignor to John Chatillon & Sons, New York, N. Y. Protective device for scales. 1,889,948; Dec. 6.

Chatillon, John, & Sons. (See Averell, Sylvester G., assignor.)

Chatillon, John, & Sons. (See Averell, S. G., and Wasson, assignors.)

Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)

Chatillon, John, & Sons. (See Chatillon, George E., assignor.)

Chatillon, August J., St. Louis, Mo., assignor of one-half to Buehler, jr., Clayton, Miss. Method of and machine for manufacturing laminated products. 1,865,455; July 5.

Chaudron, Georges. (See Jolibois, P., and Chaudron.)

Chauveau, Louis Lucien Eugène, Paris, France. Alarm selector apparatus. 1,867,209; July 12.

Chaux, René, and C. Dufraisse, Paris, assignors to Compagnie de Bethune, Bully-les-Mines, France. 2-cyclopenten barbituric acids. 1,869,666; Aug. 2.

Chavanne, J. Louis. (See Loebell, Henry O., assignor.)

Cheape, John A., Charlottesville, Va. Lifting jack. 1,860,014; May 24.

Cheatham, Frank S., Savannah, Ga. Draft gear. 1,875,749; Sept. 6.

Chebotaref, Leo P., assignor to The Texas Company, New York, N. Y. Refining petroleum distillates. 1,872,679; Aug. 23.

Checker Cab Manufacturing Corporation. (See Brownell, James L., assignor.)

Checker Cab Manufacturing Company, The. (See Eisenschmid, W., and Newcomb, assignors.)

Checker Cab Manufacturing Corporation. (See Kuenzel, S H Junter, assignor.)

Cheeseman, Ralph T., Lynn, Mass., assignor to General Electric Company. Battery charging system. 1,857,710; May 5.

Cheesewright, Edgar J., Pasadena, Calif. Flower holder. 1,860,405; May 31.

Cheetham, Harold C., Bloomfield, N. J., assignor to Bakelite Corporation. Plastic compositions and preparing same. 1,855,384; Apr. 26.

Chein, J., & Company. (See Hoffman, Samuel, assignor.)

Chekian, Frank, Modesto, Calif. Shook stop for box nailing machines. 1,868,885; July 26.

Chem-Electric Engineering Corporation. (See Ames, Shirley L., assignor.)

Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)

Chemical Construction Corporation. (See Hechenbleikner, I., and Titlestad, assignors.)

Chemical Engineering and Wilton's Patent Furnace Company Limited, The. (See Wilton, Thomas O., assignor.)

Chemical Engineering Corporation. (See Jones, Louis C., assignor.)

Chemical Holding Corporation. (See Richter, William E., assignor.)

Chemical Treatment Company. (See Tyrrell, Warren A., assignor.)

Chemical Works Formerly Sandoz. (See Brunner, Heinrich, assignor.)

Chemical Works (formerly Sandoz). (See Gutzwiller, Ernst, assignor.)

Chemical Works Formerly Sandoz. (See Kussmaul, Walter, assignor.)

Chemical Works Formerly Sandoz. (See Leemann, H., Lier, and Knecht, assignors.)

Chemical Works formerly Sandoz. (See Lier, H., and Rheiner, assignors.)

Chemical Works formerly Sandoz. (See Peter, Albin, assignor.)

Chemical Works formerly Sandoz. (See Peyer, Julius, assignor.)

"Chemical Works formerly Sandoz". (See Rothlin, Ernst, assignor.)

Chemical Works formerly Sandoz. (See Stoll, A., and Burckhardt, assignors.)

Chemical Works formerly Sandoz. (See Stoll, A., and Hoffmann, assignors.)

Chemical Works formerly Sandoz. (See Von Allmen, Samuel, assignor.)

Chemical Works formerly Sandoz, The Firm. (See Knecht, O., and Stocker, assignors.)

Chemical Works formerly Sandoz, the Firm. (See Knecht, O., and Wirth, assignors.)

Chemical Works Formerly Sandoz, the Firm. (See Lier, Heinrich, assignor.)

Chemical Works formerly Sandoz, the Firm. (See Rheiner, Alfred, assignor.)

Chemical Works formerly Sandoz, the Firm of. (See Peter, Albin, assignor.)

Chemipulp Process Inc. (See Kenety, William H., assignor.)

Chemipulp Process Inc. (See Stevens, J. W., and Kenety, assignors.)

Chemipulp Process, Inc. (See Strindlund, John, assignor.)

Chemisch-Pharmazeutische Aktiengesellschaft Bad Homburg. (See Liebrecht, Arthur, assignor.)

Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft. (See Kirchner, Walter, assignor.)

Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft. (See Sommer, F., and Nassau, assignor.)

Chemische Fabriken Dr. Joachim Wiernik & Co., A. G., et al. (See Scheiber, Wilhelm H. O. J., assignor.)

Chemische Fabrik Kalk Gesellschaft mit beschrankter Haftung. (See Oebme, Hermann, assignor.)

Chemische Fabrik Milch Aktien-Gesellschaft. (See Lindner, Kurt, assignor.)

Chemische Fabrik von Heyden, A. G. (See Feibelmann, Richard, assignor.)

Chemische Fabrik von Heyden, Aktiengesellschaft. (See von Hoessle, Carl H., assignor.)

Chemische Werke vorm. H. & E. Albert, the Firm. (See Huber, Hans, assignor.)

Chemische Fabrik von Heyden, A. G. (See von Hoessle, C. H., and Schade, assignors.)

Chenault, Roy L., assignor to Gulf Production Company, Pittsburgh, Pa. Pneumatic pumping apparatus. 1,869,720; Dec. 13.

Cheney, Allan, Melrose, Mass. Seepage protector for masonry buildings. 1,868,092; July 19.

Cheney, Allan, Melrose, Mass. Metal flashing. 1,871,585; Aug. 16.

Cheney Brothers. (See Black, Julia, assignor.)

Cheney Brothers. (See George, Robert, assignor.)

Cheney Brothers. (See Mouton, Paul, assignor.)

Cheney Brothers. (See Stiegler, Harold W., assignor.)

Cheney, Clay R., Los Angeles, Calif. Mayonnaise dispenser. 1,862,883; June 14.

Cheney Company, The. (See Friedrich, Edmund H., assignor.)

Cheney Company, The. (See Merryman, Arthur N., assignor.)

Cheney, George K., Baldwin, N. Y. Fishing line sinker. Des. 87,711; Sept. 6.

Cheney, Moses E., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Automobile horn. 1,848,935; Mar. 8

Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Tire tester. 1,883,557; Oct. 18.

Cheney, Thorndike F., Danvers, Mass., assignor, by mesne assignments, to Old Colony Trust Company. Rectifier. 1,887,868; Nov. 15.

Cheney, Wallace E., Milwaukee, Wis. Latch. 1,879,792; Sept. 27.

Chenicek, George W. (See Moore, J. E., and Chenicek.)

Chenoweth, C. E., et al., trustees. (See Martin, Edward T., assignor.)

Chenu, Charles L. E., Bruges, Belgium. Stove. 1,859,432; May 24.

Cherdron, Otto P., and C. W. Scott, Salt Lake City, Utah. Shed construction. 1,885,329; Nov. 1.

Cherdron, Otto P., and C. W. Scott, Salt Lake City, Utah. Building construction. 1,885,330; Nov. 1.

Chernow, Michael, Brooklyn, N. Y. Monogram escutcheon plate. 1,840,567; Jan. 12.

Cherry-Burrell Corporation. (See Boileau, Arthur H., assignor.)

Cherry-Burrell Corporation. (See Dalzell, Charles B., assignor.)

Cherry-Burrell Corporation. (See Feldmeier, Harvey, assignor.)

Cherry-Burrell Corporation. (See Feldmeier, H., and Astle, assignor.)

Cherry-Burrell Corporation. (See Feldmeier, H., and Rosenfeld, assignors.)
Cherry-Burrell Corporation. (See Feldmeier, H., and Wightman, assignors.)
Cherry-Burrell Corporation. (See Fielder, Harold S., assignor.)
Cherry-Burrell Corporation. (See Jordan, Carl C., assignor.)
Cherry-Burrell Corporation. (See Ladd, J. W., and Williams, assignors.)
Cherry-Burrell Corporation. (See Neely, Raymond J., assignor.)
Cherry-Burrell Corporation. (See Roberts, James R., assignor.)
Cherry-Burrell Corporation. (See Rosenfeld, Louis, assignor.)
Cherry-Burrell Corporation. (See Strandt, Gustav E., assignor.)
Cherry, George L., La Grange, and L. F. Lamplough, Chicago, Ill., assignors to Western Electric Company, Inc., New York, N. Y. Apparatus for handling treated articles. 1,885,080; Oct. 25.
Cherry, George L., La Grange, Ill., and E. R. Troche, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for sheathing cores. 1,862,005; June 7.
Cherry, Homer A., Montebello, Calif. Tire casing remover. 1,852,118; Oct. 11.
Cherry, Louis B., Louisville, Ky., assignor, by mesne assignments, to C and C Developing Company, Kansas City, Mo. Treating hydrocarbons. 1,856,828; May 3.
Cherry, Oscar A., and F. Kurath, assignors to Economy Fuse & Manufacturing Company, Chicago, Ill. Potentially reactive phenolic condensation products and preparing same. 1,857,357; May 10.
Cherry, Robert M. (See Ipsen, C. L., and Cherry.)
Chesebro, George R., assignor to Wagner Electric Corporation, St. Louis, Mo. Collector ring assembly and making same. 1,870,236; Aug. 9.
Chesebro, George R., assignor to Wagner Electric Corporation, St. Louis, Mo. Dynamo electric machine. 1,870,237; Aug. 9.
Chesebro, Charles E. (See Adams, F. E., and Chesebro.)
Chesebro, Robert E., Sheboygan, Wis. Hunters' mitten. 1,849,418; Mar. 15.
Chesebro, Whitman Co. Inc. (See Huck, Joseph, assignor.)
Cheshire, Howard B., Long Beach, Calif. Packing. 1,891,798; Dec. 20.
Cheshire, William, Bristol, R. I., assignor to Collins & Aikman Corporation. Method of and apparatus for treating mohair, wool, and the like. 1,865,234; June 28.
Chesick, Sanford C., Hartford, Conn. Lock. 1,871,303; Aug. 9.
Chesler, Chaim, Cleveland Heights, assignor to The Metallic Gripper Company, Cleveland, Ohio. Grommet-fastened metallic gripper. 1,890,368; Dec. 6.
Chesler, Isidor, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Mechanical pencil. Des. 87,385; July 19.
Chesler, Isidor, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Eraser holder. 1,859,433; May 24.
Chesley, Almond L., Richmond, Va., assignor to The American Tobacco Company, New York, N. Y. Treating tobacco. 1,859,379; May 24.
Chesney, Carl E., Overland Park, Kans., assignor to Roy Thorp, Kansas City, Mo., as trustee. Vehicle broadcasting receiver unit and generator therefor. 1,861,262; May 31.
Chesney, Robert M., Warren, Ohio, assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Making reenforcing unions. 1,843,064; Jan. 26.
Chesnut, Mollie D., Des Moines, Iowa. Liquid dispensing device. 1,840,433; Jan. 12.
Chesnut, Mollie D., Des Moines, Iowa. Sprayer. 1,866,620; July 12.
Chesnutt, Seibert W., Kansas City, Mo. Swivel caster. 1,885,990; Nov. 1.
Chesny, Heinz H., Los Angeles, Calif. Forming sodium bicarbonate. 1,865,833; July 5.
Chesny, Heinz H., Los Angeles, assignor to American Potash & Chemical Corporation, Trona, Calif. Precipitating sodium bicarbonate from solutions in form of coarse crystals. 1,865,832; July 5.
Chessin, Alexander, New York, N. Y. Gyrostabilizer. 1,885,414; Nov. 1.
Chester, Bryant, Beacon, N. Y. Helitractor. 1,850,993; Mar. 29.
Chester, Frank R., New York, N. Y., assignor to Chesterfield Control Company, Dover, Del. Game. 1,869,842; Aug. 2.
Chester, Frank R., New York, N. Y., assignor, by mesne assignments, to Chesterfield Control Company, Dover, Del. Display table. 1,885,801; Nov. 1.
Chester, Frank R., New York, N. Y., assignor to Chesterfield Control Company, New York, N. Y. Game. 1,885,802; Nov. 1.
Chester, Fred E. (See Jenner, R. L., and Chester.)
Chester, Thomas, Pittsburgh, Pa. Centrifugal apparatus. 1,858,071; May 10.
Chesterfield Control Company. (See Chester, Frank R., assignor.)
Chestnut, Roy W., Upper Montclair, N. J., D. M. Terry, Elmhurst, N. Y., and W. F. Kannenberg, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating circuits. 1,880,800; Oct. 4.
Chestnut, Arthur S. (See Stuart, Frederick J., assignor.)
Cheswright, Leonard K. (See Sitton, C., and Cheswright.)
Cheswright, Leonard K., Swansea, Ontario, Canada. Aeroplane. 1,851,302; Mar. 29.
Cheswright, Leonard K., Swansea, Ontario, Canada. Transmission mechanism. 1,869,543; Aug. 2.
Chetain, Frederick H., et al. (See Arey, Fred C., assignor.)
Chevigny, Georges P. (See Schreiber, L. J. J., Chevigny, and Leas.)
Chevillot, Alfred, G. Livry, and G. Daux, Sevran, France, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,860,406; May 31.
Chevrolair Motors, Incorporated. (See Chevrolet, Arthur E., assignor.)
Chevre, Charles J., Fairfield, Conn. Automobile signal. 1,858,818; May 17.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changer loom. 1,872,890; Aug. 23.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changer loom. 1,873,112; Aug. 23.
Chevrier, Jules, Chalon-sur-Saone, France. Contact device for the supply of current. 1,854,885; Apr. 19.
Chevrolet, Arthur E., assignor to Chevrolair Motors, Incorporated, Indianapolis, Ind. Aviation engine. 1,883,558; Oct. 18.
Chevrolet, Charles L. (See Chevrolet, Louis, and C. L.)
Chevrolet, Louis and C. L., Indianapolis, Ind., assignors, by mesne assignments, to The Glenn L. Martin Co., Baltimore, Md. Fuel pump. 1,866,083; July 5.
Chewning, William W., Chester, Pa. Work handling device. 1,858,432; May 17.
Cheyney, Charles C., Buffalo, N. Y. Air washer. 1,848,559; Mar. 8.
Cheyney, Charles C., assignor to Buffalo Forge Company, Buffalo, N. Y. Sound deadener. 1,865,677; July 5.
Chibnik, Harry, assignor of one-half to W. S. Reese, Sioux Falls, S. Dak. Auxiliary cultivator shovel. 1,871,072; Aug. 16.
Chicago Automatic Conveyor Company. (See Shaw, Arthur L.)
Chicago Bridge & Iron Company. (See Boardman, Harry C., assignor.)
Chicago Bridge & Iron Company. (See Day, Clayton L., assignor.)
Chicago Bridge & Iron Company. (See Griffin, Alvah M., assignor.)
Chicago Bridge and Iron Company. (See Horton, George T., assignor.)
Chicago Bridge and Iron Company. (See Kimbell, James F., assignor.)
Chicago Bridge and Iron Company. (See Larson, Donald E., assignor.)
Chicago Cardboard Company. (See Ozmun, Kenneth L., assignor.)
Chicago Cinema Equipment Company. (See Goldberg, Joseph H., assignor.)
Chicago-Cleveland Car Roofing Company. (See Swanson, Earl R., assignor.)
Chicago-Cleveland Car Roofing Company. (See Williams, Thron H., assignor.)
Chicago Curled Hair Company. (See Mudd, Garrett W., assignor.)
Chicago Cutting Die Company. (See Berggren, Eric N., assignor.)
Chicago Electric Manufacturing Co. (See Benson, Bernhard A., assignor.)
Chicago Faucet Company. (See Steen, Harry S., assignor.)
Chicago Fire Brick Company. (See MacLean, E. H., and Uphues, assignors.)
Chicago Flexible Shaft Company. (See Bisley, William F., assignor.)
Chicago Flexible Shaft Company. (See Browning, George, assignor.)
Chicago Flexible Shaft Company. (See Jeppsson, Ivar, assignor.)
Chicago Flexible Shaft Company. (See Jeppsson, I., and Bartlett, assignors.)
Chicago Flexible Shaft Company. (See McArdle, M. W., and Browning, assignors.)
Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)
Chicago Forging & Manufacturing Co. (See Hynes, Dibrell P., assignor.)
Chicago Forging & Manufacturing Co. (See Mears, Norton A., assignor.)
Chicago Forging & Manufacturing Co. (See Mears, N. A., and Hynes, assignors.)
Chicago Foundry Company. (See Wells, Clayton F., assignor.)
Chicago Glass Novelty Corporation. (See Boyce, James, assignor.)
Chicago Governor & Manufacturing Co. (See Singer, Arthur, assignor.)
Chicago Lubricator Company. (See Edwards, F. W., and Beckwith, assignors.)

Chicago Manifold Products Company. (See Tupper, Lloyd A., assignor.)
Chicago Mechanical Manufacturing Co. (See Buckels, Christopher J., assignor.)
Chicago Mill and Lumber Corporation. (See Mizener, Logan A., assignor.)
Chicago Paint Company. (See Eisenstein, Julius, assignor.)
Chicago Pennant Company. (See Douglass, Carl P., assignor.)
Chicago Pneumatic Tool Company. (See Benedict, William H., assignor.)
Chicago Pneumatic Tool Company. (See Chapman, Mearl J., assignor.)
Chicago Pneumatic Tool Company. (See Coates, Charles R., assignor.)
Chicago Pneumatic Tool Company. (See Collins, Anthony H., assignor.)
Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)
Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)
Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)
Chicago Pneumatic Tool Company. (See Nell, Gustave M., assignor.)
Chicago Pneumatic Tool Company. (See O'Farrell, Matthew, assignor.)
Chicago Pneumatic Tool Company. (See Pemberthy, Ernest, assignor.)
Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, E. W., and Young, assignors.)
Chicago Pneumatic Tool Company. (See Wernberg, Niels E., assignor.)
Chicago Pottery Company. (See Perry, Lindon A., assignor.)
Chicago Printed String Co. (See Vogl, Otto, assignor.)
Chicago Pump Company. (See Durdin, Augustus C., jr., assignor.)
Chicago Railway Equipment Company. (See Burton, Thomas L., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Chicago Railway Equipment Company. (See Graham, Herman E., assignor.)
Chicago Railway Equipment Company. (See Moore, Ambrose C., assignor.)
Chicago Railway Equipment Company. (See Nelson, Roy A., assignor.)
Chicago Railway Equipment Company. (See Told, Arnold H., assignor.)
Chicago Retort and Fire Brick Company. (See Bankert, Fred H., assignor.)
Chicago Signal Company, The. (See Temple, Fred W., assignor.)
Chicago Steel Foundry Company. (See Chapin, William J., assignor.)
Chicago Telephone Supply Company. (See Havlish, Charles, assignor.)
Chicago Telephone Supply Company. (See Heintz, Ralph M., assignor.)
Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
Chicago Transformer Corporation. (See Leidy, W. J., and Knuth, assignors.)
Chick, Steven L. (See Apolloniou, P., and Chick.)
Chicopee Manufacturing Corporation. (See McCormick, Edward A., assignor.)
Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Airplane landing gear. 1,844,940; Feb. 9.
Chiger, Siegmund, Berlin, Germany, assignor to Firm; G. Z. M. Patentverwertung Aktiengesellschaft, Glarus, Switzerland. Machine for sorting, counting, and packing coins. 1,852,106; Apr. 5.
Chiksan Oil Tool Co. (See Kubin, Van J., assignor.)
Chiksan Oil Tool Co. (See Kubin, V. J., and Funderburk, assignors.)
Child, Lachlan W. (See Dow, D. M., and Child.)
Childs, Albert T., and L. J. Weldon, Pittsfield, Mass., assignors to General Electric Company. Vertical tube furnace. 1,852,800; Apr. 5.
Childs, Robert R., assignor of one-sixty-fourth to R. T. Campbell, Roanoke, one-thirty-second to Eva L. Strain and John M. Strain, and three-thirty-seconds to L. E. Archart, Fairfield, and two-thirty-seconds to E. D. Kendig, Stuarts Draft, Va. Traffic signal. 1,844,742; Feb. 9.
Childs, Sterry H., Litchfield, Conn. Oil valve. 1,880,801; Oct. 4.
Chiles, George S., assignor to Scullin Steel Company, St. Louis, Mo. Ladder for freight cars. 1,872,680; Aug. 23.
Chiles, Howard M., Champaign, assignor to Pyro-Pack Products Co., Chicago, Ill. Di-iodo-hydroxy mercury fluorescein. 1,862,049; June 7.
Chiles, L. L., et al. (See Johnson, Russell W., assignor.)
Chiles, R. H., et al. (See Johnson, Russell W., assignor.)
Chiles, Ralph W. (See Quick, C. G., and Chiles.)
Chiles, Willie L., et al. (See Johnson, Russell W., assignor.)
Chilese, Alvise, Union City, N. J. Clothesline holder. 1,848,994; Mar. 8.
Chillingworth, Rudolph, Leytonstone, England. Screw propeller for aircraft. 1,883,336; Oct. 18.
Chilowsky, Constantin, Paris, France. Observation and measurement of the speed of a vessel by directed beams of ultra-audible waves. 1,864,628; June 28.
Chilson, Warren A., Wausau, Wis. Electrical micrometer for continuously gauging the thickness of moving nonmagnetic material. 1,860,302; Oct. 4.
Chilton Pen Company, The. (See Krause, Henry, assignor.)
Chilton Pen Company, The. (See Upton, Henry J., assignor.)
Chilton, Ralph H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 1,865,456; July 5.
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,869,132; July 26.
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Making V-type transmission belts. 1,871,953; Aug. 16.
Chilton, Ralph H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing container. 1,873,287; Aug. 23.
Chilton Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Freezing tray. 1,882,775; Oct. 18.
Chilton, Roland, Ridgewood, N. J. Gear mechanism. 1,864,170; June 21.
Chilton, Roland, Ridgewood, N. J. Engaging and driving mechanism for rotary parts. 1,868,346; July 19.
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Yielding clutch. 1,869,851; May 31.
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Friction. 1,874,446; Aug. 30.
Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,855,281; Apr. 26.
Chilton, Roland, assignor, by mesne assignments, to Aeromarine Plane & Motor Company, Inc., Keyport, N. J. Variable pitch propeller. 1,887,543; Nov. 15.
Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,892,094; Dec. 27.
Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,892,095; Dec. 27.
Chilton, Roland, Keyport, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,892,096; Dec. 27.
Chiocchio, Ottavio, Fort Chester, N. Y. Running mold. 1,857,257; May 3.
Chiotti, Gabriele, Aliquippa, Pa. Glass cutting apparatus. 1,876,612; Sept. 13.
Chipman, Andrew L. (See Chipman, Harry E., assignor.)
Chipman, Andrew L. (See Chipman, Harry E. and H. H., assignors.)
Chipman Chemical Company. (See Webster, Byron P., assignor.)
Chipman Chemical Engineering Company. (See Chipman, Ralph N., assignor.)
Chipman, Harry E., Springfield, Mass., assignor to A. L. Chipman, New York, N. Y. Apparatus for making talking motion picture films. 1,843,095; Jan. 19.
Chipman, Harry E., Springfield, Mass., assignor to Andrew L. Chipman, New York, N. Y. Talking picture apparatus. 1,845,298; Feb. 16.
Chipman, Harry E., Springfield, Mass., assignor, by direct and mesne assignments, to Andrew LeRoy Chipman, New York, N. Y. Apparatus for recording and reproducing sound. 1,865,171; June 28.
Chipman, Harry E., Springfield, Mass., assignor, by direct and mesne assignments, to A. Le Roy Chipman, New York, N. Y. Sound film and making same. 1,883,559; Oct. 18.
Chipman, Harry E., Springfield, Mass., assignor to A. L. Chipman, New York, N. Y. Electromagnetic sound recording and reproducing machine. 1,883,560; Oct. 18.
Chipman, Harry E., Springfield, Mass., assignor to Electro Magnetic Sound Corporation, New York, N. Y. Magnetic sound recording and reproducing head. 1,883,561; Oct. 18.
Chipman, Harry E. Springfield, Mass., and H. H. Chipman, assignors to Andrew L. Chipman, New York, N. Y. Sound film and making the same. 1,883,562; Oct. 18.
Chipman, Howard H. (See Chipman, Harry E. and H. H.)
Chipman, Ralph N., Round Brook, assignor to Chipman Chemical Engineering Company, Incorporated, Middlesex, N. J. Compensating sprayer. 1,843,759; Feb. 2.
Chireix, Henri, Paris, France. High speed telegraph transmitter. 1,855,569; Apr. 26.
Chireix, Henri, Paris, France. Frequency regulating system. 1,875,329; Sept. 6.
Chireix, Henri, Paris, France. Acoustic device. 1,876,858; Sept. 13.

Chireix, Henri, Paris, France. Radio communication. 1,882,119 ; Oct. 11.

Chireix, Henri, Paris, France. Device for electric sound transmission. 1,889,975 ; Dec. 6.

Chireix, Henri, assignor to Societe Francaise Radio-Electrique, Paris, France. Antenna arrangement. 1,845,445 ; Feb. 2.

Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Measuring instrument. 1,874,899 ; Aug. 30.

Chireix, Henri, assignor to Société Française Radio-Electrique, Paris, France. High frequency signaling. 1,892,383 ; Dec. 27.

Chisholm, Arron R., East Orange, N. J. Protective chest garment. 1,850,496 ; Mar. 22.

Chisholm, Charles F., Staten Island, N. Y. Automotive vehicle lubrication. 1,874,900 ; Aug. 30.

Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Typesetting machine. 1,849,363 ; Mar. 15.

Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Addressing machine. 1,850,922 ; Mar. 22.

Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Printing device. 1,858,479 ; May 17.

Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Printing member. 1,858,480 ; May 17.

Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Holder for printing members. 1,858,537 ; May 17.

Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to Multigraph Company, Wilmington, Del. Typesetting machine. 1,889,914 ; Dec. 6.

Chisholm, Clifton, Cleveland, and P. M. Colquhoun, Lakewood, Ohio, assignors, by mesne assignments, to American Multigraph Co., Wilmington, Del. Flexible galley. 1,858,481 ; May 17.

Chisholm, Henry, Cleveland, Ohio. Lubricating system. 1,870,986 ; Sept. 27.

Chismadia, Steve, Highland Park, Mich. Mop lifting device. 1,860,055 ; May 31.

Chittick, Martin B., assignor to The Pure Oil Company, Chicago, Ill. Varnish and paint oil manufacture. 1,891,079 ; Dec. 13.

Chittim, Carl C., Springfield, Mo. Tent frame. 1,888,972 ; Nov. 29.

Chittum, Everett S. (See Pierce, G. S., and Chittum.)

Chivers & Sons Limited. (See Fison, Frederick J., assignor.)

Chmielewski, Anton, Iron River, Mich. Aeroplane parachute. 1,861,300 ; May 31.

Chmurzynski, Julius. (See Brykcynski, and Chmurzynski.)

Choate, Roy E., Cedar Rapids, Iowa. Tracklaying belt. 1,852,784 ; June 14.

Chodur, John, assignor of one-half to M. Koper, Chicago, Ill. Flying machine. 1,841,788 ; Jan. 19.

Chodziesner, Georg. (See Wisspeitner, C., and Chodziesner.)

Choinski, Walter, Milwaukee, Wis. Tire clamp. 1,839,951 ; Jan. 5.

Cholerton, Charles, North Bergen, N. J., assignor to Shellastic, Inc. Production of molded articles. 1,875,294 ; Aug. 30.

Chomik, Charles, Linnton, Oreg. Bathing girl table or stand. 1,879,087 ; Sept. 27.

Chong, Jue L. (See Chong, Look L., J. L., and S. L.)

Chong, Look L., and S. L. Isleton, Calif. Cutting blade mounting for ground working implements. 1,885,231 ; Nov. 1.

Chong, Sam L. (See Chong, Look L., J. L., and S. L.)

Chopin, Albéric, Paris, France. Unidirectional drive. 1,852,735 ; Apr. 5.

Chorlton, Alan E. L., London, England. Remote control apparatus. 1,879,015 ; Jan. 5.

Chorlton, Alan E. L., London, England. Auto-stop governor. 1,841,087 ; Jan. 12.

Chorlton, Frank O. L., Bury, England. Frictional-plate clutch. 1,861,080 ; May 31.

Chorlton, Frank O. L., Bury, and J. R. Haworth, Darwen, England. Safety device for speed governors of the Pickering or like type. 1,857,765 ; May 10.

Chott, Edward L., Chicago, Ill. Mercury dispenser. 1,866,294 ; July 5.

Chott, Edward L., Chicago, Ill. Mortar and pestle. 1,878,263 ; Sept. 20.

Chouinard, Michel, Montreal, Quebec, and J. P. Paradis, Longueuil, Quebec, Canada. Valve cock. 1,857,940 ; May 10.

Chrétien, Lucien, Paris, France. Method and apparatus for changing frequency for radiosignaling. 1,863,564 ; June 21.

Chrietzberg, James, Deatsville, Ala. Educational device. 1,855,823 ; Apr. 26.

Chrisman, Charles F., Los Angeles, Calif. Olla cover. 1,841,877 ; Jan. 19.

Chrisman, Horace. (See Weymouth, H. G., and Chrisman.)

Chrisman, Horace, Edgewood, assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pressure indicator. 1,865,082 ; June 28.

Chrisman, Horace, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Liquid meter. 1,880,195 ; Oct. 4.

Chrisman, Horace, and N. J. Seibert, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter. 1,850,828 ; Mar. 22.

Christ, Bruno. (See Schumann, C., Muench, and Christ.)

Christ, Charles W., Kansas City, Mo. Rotary engine. 1,864,406 ; June 21.

Christ, Wilhelm. (See Laska, L., Zitscher, Christ, and Fetzold.)

Christen, Marcel, Woodside, assignor to William Wilbeins Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,397 ; Nov. 29.

Christensen, Albert B., Eureka, Calif. Drag saw. 1,838,805 ; Feb. 2.

Christensen, Alfred C., assignor to National Engineering Company, Chicago, Ill. Foundry sand aerating machine. 1,850,237 ; Oct. 4.

Christensen, Alfred H. L., assignor to the Firm Drägerwerk, Heinr. & Bernh. Dräger, Lubeck, Germany. Breathing implement. 1,849,567 ; Mar. 15.

Christensen, August S., Reserve, Mont. Water wheel. 1,846,086 ; Feb. 23.

Christensen, Carl T. (See Bales, J. E., and Christensen.)

Christensen, Christen, Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Switch. 1,876,377 ; Sept. 20.

Christensen, Christian A., Copenhagen, Denmark. Machine for attaching labels to bottles, glasses, and the like. 1,868,938 ; July 26.

Christensen, Einar C. (See Jassoy, Otto, assignor.)

Christensen, Garrett H., assignor of one-half to G. O. Christensen, Clifton, Ill. Battery terminal clamp. 1,862,468 ; June 7.

Christensen, George O. (See Christensen, Garrett H., assignor.)

Christensen, Hans P., Davey, Nebr. Guard-plate fastener. 1,878,378 ; Sept. 20.

Christensen, Leo M. (See Legg, D. A., and Christensen.)

Christensen, Leo M., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation of cellulosic materials. 1,857,429 ; May 10.

Christensen, Leo M., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation of cellulosic materials. 1,875,688 ; Sept. 6.

Christensen, Leo M., and W. N. McCutchan, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Producing acids by fermentation of cellulosic materials. 1,875,368 ; Sept. 6.

Christensen Machine Company. (See Belluche, Elmer W., assignor.)

Christensen Machine Company. (See Belluche, Frank R., assignor.)

Christensen, Marinus, assignor of fifty per cent to B. F. Cowan, Refugio County, Tex. Setting tool. 1,879,088 ; Sept. 27.

Christensen, Nelson, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Automatic cigar banding device. 1,885,897 ; Nov. 1.

Christensen, Niels C., Salt Lake City, Utah. Treating sulphide ores of zinc. 1,886,162 ; Nov. 1.

Christensen, Niels C., Salt Lake City, Utah. Treatment of oxidized ores. 1,886,163 ; Nov. 1.

Christensen, Niels C., Salt Lake City, Utah. Apparatus for compressing gases. 1,886,164 ; Nov. 1.

Christensen, Niels C., Salt Lake City, Utah. Precipitation of zinc sulphide and the manufacture of zinc sulphide pigments. 1,886,165 ; Nov. 1.

Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine ventilating system. 1,844,743 ; Feb. 9.

Christensen, Norman V., and W. M. Hanneman, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,857,041 ; May 3.

Christensen, Norman V., C. F. Rubel, and F. F. Zeier, assignors to Union Special Machine Company, Chicago, Ill. Thread controller for sewing machines. 1,864,407 ; June 21.

Christensen, Norman V., Chicago, and H. J. Le Vesconte, Western Springs, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,883,569 ; Oct. 18.

Christensen, Per C., assignor to G. Stibbe & Co. Limited, Leicester, England. Circular knitting machine. 1,846,793 ; Feb. 23.

Christensen, Reinhardt H. V., Copenhagen, Denmark. Apparatus for casting molten metal under pressure. 1,846,087 ; Feb. 23.

Christensen, William, assignor to Deere & Company, Moline, Ill. Rod weeder. 1,872,121 ; Aug. 16.

Christenson, Bernard H. (See Block, H. W., and Christenson.)

Christia, George, Detroit, Mich. Vehicle wheel. 1,860,015 ; May 24.

Christian, Charles M., Fonda, Iowa. Sanitary sleeve for ice cream and other containers. 1,861,112 ; May 31.

Christian, David A., assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 1,860,213 ; May 24.

Christian, David A., assignor to Siemens Brothers & Company, Limited, London, England. Mounting arrangement for electrical apparatus. 1,880,072; Sept. 27.
Christian, Frank M., Los Angeles, Calif. Awning. 1,865,083; June 28.
Christian, Joseph D., San Francisco, Calif. Electric power unit and construction for the same. 1,860,703; May 31.
Christian, L. C. (See Denny, William P., assignor.)
Christians, George W., Chaitanooga, Tenn. Method and apparatus for seeding explosives in rock formations or the like. 1,858,952; May 17.
Christiansen, Christian, Fargo, N. Dak. Shock-forming machine. 1,883,563; Oct. 18.
Christiansen, Christian, Fargo, N. Dak. Harvester frame. 1,883,564; Oct. 18.
Christiansen, Christian, assignor to Rotary Machine Company, Lynn, Mass. Taping machine. 1,867,655; July 19.
Christiansen, Christian, assignor to Rotary Machine Company, Lynn, Mass. Side taping machine. 1,880,604; Oct. 4.
Christiansen, Christian, Swampscott, assignor to Rotary Machine Company, Lynn, Mass. Work feed mechanism. 1,880,803; Oct. 4.
Christiansen, Ejnar, Birmingham, England. Variable speed friction gear. 1,883,560; Oct. 18.
Christiansen, John, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Shipping container. 1,874,981; Aug. 30.
Christiansen, Oscar, assignor to Oscar S. Risvold, St. Paul, Minn. Game. 1,867,730; July 19.
Christiansen, Walter G. (See Nitardy, F. W., Christiansen, and Harris, F.)
Christiansen, Walter G. (See Nitardy, F. W., Christiansen, and Van Winkle.)
Christiansen, Walter G., Bloomfield, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Molecular compounds of amido-pyrin with ethyl isopropyl barbituric acid. 1,856,020; May 3.
Christiansen, Walter G., Bloomfield, N. J., and W. M. Lauter, Akron, Ohio, assignors to E. R. Squibb & Sons, New York, N. Y. Bismuth alkaline-earth-metal thioglycolates and making same. 1,859,288; May 24.
Christiansen, Walter G., Bloomfield, N. J., and E. Moness, assignors to E. R. Squibb & Sons, New York, N. Y. Obtainment of vitamin concentrates from fats. 1,879,734; Sept. 27.
Christianson, Andrew, Pittsburgh, Pa. Coupling mechanism. 1,869,612; Mar. 15.
Christie, Howard E., and K. W. Couse, Bronx, N. Y. Indicator for cooling systems of automobiles. 1,890,900; Dec. 13.
Christie, Howard E., and K. W. Couse, Bronx, N. Y. Compensating hydrometer float. 1,890,901; Dec. 13.
Christie, Hugh K., assignor to Whiting Corporation, Harvey, Ill. Drop pit jack. 1,848,606; Mar. 8.
Christie, Hugh K., assignor to Whiting Corporation, Harvey, Ill. Drop pit mechanism. 1,866,798; July 12.
Christie, Hugh W., Tulsa, Okla. Gas burner. 1,865,468; June 14.
Christie, James. (See Howard, A. L., and Christie.)
Christie, John. (See Allan, A., and Christie.)
Christie, John. (See Fuerst, C. C., and Christie.)
Christie, John, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Contact for electric circuit-breakers and the like. 1,843,804; Feb. 2.
Christie, John, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switchgear. 1,843,805; Feb. 2.
Christie, John, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switchgear. 1,862,254; June 7.
Christie, John W., Avon, N. J., assignor, by mesne assignments, to Browning Crane Company, Cleveland, Ohio. Endless track for truck tractors. 1,846,471; Feb. 23.
Christie, Llewellyn M., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Conduit joint and wrapper therefor. 1,845,237; Feb. 16.
Christie, Llewellyn M., Pittsburgh, Pa., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Conduit. 1,859,864; May 24.
Christie, Robert A., Glenside, assignor to Papercraft Corporation, Elkins Park, Pa. Cleaning and polishing paper. 1,851,811; Mar. 29.
Christie, Robert A., Glenside, assignor to Papercraft Corporation, Elkins Park, Pa. Fiber or paper spoon. 1,851,942; Mar. 29.
Christie, Vincent J., Rapid City, S. Dak. Fluid sprinkling device. 1,880,373; Oct. 4.
Christie, Walter, Avon, assignor to C. R. Lord and C. Parris, Newark, N. J. Convertible wheeled truck tractor. 1,856,068; May 3.
Christine Treasury, Incorporated. (See Clarke, Vernie R., assignor.)
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Pattern lathe. 1,847,171; Mar. 1.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Striping instrument. 1,851,967; Apr. 5.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Woven spring boot. 1,852,874; Apr. 5.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Striping instrument. 1,858,984; May 17.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Striping instrument. 1,859,072; May 17.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Striping instrument. 1,866,295; July 5.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Gear generating machine. 1,870,709; Aug. 9.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Metal working machine. 1,876,204; Sept. 6.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Striping instrument. 1,878,466; Sept. 20.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Lapping gear sets. 1,879,089; Sept. 27.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Finishing machine for small articles. 1,883,567; Oct. 18.
Christman, Louis P. (See Geyer, H. D., and Christman.)
Christmann, Ludwig J. (See Falconer, S. A., and Christmann.)
Christmann, Ludwig J. (See Romieux, C. J., and Christmann.)
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Method and apparatus for measuring froth. 1,866,296; July 5.
Christmann, Ludwig J., Jersey City, and G. B. Walker, Roselle, N. J., assignors to American Cyanamid Company, New York, N. Y. Froth flotation. 1,852,107; Apr. 5.
Christmann, Ludwig J., Jersey City, and G. B. Walker, Roselle, N. J., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of ores. 1,852,108; Apr. 5.
Christmann, Ludwig J., Jersey City, and S. A. Falconer, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Froth flotation. 1,852,109; Apr. 5.
Christmann, Ludwig J., Jersey City, and D. W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Making xanthates. 1,852,110; Apr. 5.
Christmann, Ludwig J., Jersey City, and D. W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Method of and composition for preserving substances. 1,864,185; June 21.
Christmas, Burton, Saugerties, N. Y. Electric light and headlight. 1,867,138; July 12.
Christmas, Burton, Pittsburgh, Pa. Safety razor. 1,875,990; Sept. 6.
Christofferson, Charles, Duluth, Minn. Filter. 1,862,659; June 14.
Christofferson, Christian, Madison, Wis. Sod vase. 1,848,047; Mar. 1.
Christoph, Alfred, Leutersdorf, Germany. Shuttle. 1,861,593; June 7.
Christophel, Carl E., deceased, Pearl River; The First National Bank and Trust Company of Pearl River, New York, executor; said Christophel assignor to Dexter Folder Company, New York, N. Y. Sheet feeding device. 1,840,308; Jan. 12.
Christopher, Arthur J., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing system and method. 1,841,088; Jan. 12.
Christopher, Arthur J., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance network. 1,874,242; Aug. 30.
Christopher, Arthur J., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductive device. 1,880,805; Oct. 4.
Christopher, John L., Euclid, Ohio. Door operating device. 1,877,386; Sept. 13.
Christopherson, Gautier A., Chicago, Ill. Paper-hanger's knife and attachment. 1,863,153; June 14.
Christy, R. F. (See McCaughey, Clyde J., assignor.)
Christy, Sam, Des Moines, Iowa. Heating element and support therefor. 1,872,407; Aug. 16.
Chriswell, Frederick W., assignor to Pacific Car and Foundry Company, Seattle, Wash. Stake for logging bunks. 1,852,448; Apr. 5.
Chromy, Ben J., Hopkins, Minn. Apparatus and method for sound reproduction. 1,844,146; Feb. 9.
Chromy, Ben J., Hopkins, Minn. Inductance unit and method of cooling. 1,883,565; Oct. 18.
Chromy, Ben J., Hopkins, Minn., assignor to Wired Radio, Inc., New York, N. Y. Polyphase motor control system. 1,854,447; Apr. 19.
Chromy, Ben J., Hopkins, Minn., assignor to Wired Radio, Inc., New York, N. Y. Sound reproducing apparatus. 1,859,551; May 24.
Chromy, Ben J., Hopkins, Minn., assignor to Wired Radio, Inc., New York, N. Y. Sound reproducing device. 1,878,232; Sept. 20.

Chromy, Ben J., Washington D. C., assignor to Wired Radio, Inc., New York, N. Y. Sound recording apparatus. 1,859,552; May 24.

Chrstos, Charles A., jr., assignor to Elsie Chrstos, Philadelphia, Pa. Combined manually and automatically operated clutch. 1,855,624; Apr. 26.

Chrstos, Elsie. (See Chrstos, Charles A., jr., assignor.)

Chrysler Corporation. (See Bleicher, Clarence E., assignor.)

Chrysler Corporation. (See Breer, Carl, assignor.)

Chrysler Corporation. (See Bull, Arthur A., assignor.)

Chrysler Corporation. (See Carpentier, Melbourne L., assignor.)

Chrysler Corporation. (See Carpentier, M. L., and Mackey, assignors.)

Chrysler Corporation. (See Churgay, L. A., and McClellan, assignors.)

Chrysler Corporation. (See Couture, Allan B., assignor.)

Chrysler Corporation. (See Cripps, Albert G., assignor.)

Chrysler Corporation. (See Foster, George W., assignor.)

Chrysler Corporation. (See Goode, G. C., Selje, and Miller, assignors.)

Chrysler Corporation. (See Griffin, Howard A., assignor.)

Chrysler Corporation. (See Hadley, N. F., and Franzen, assignors.)

Chrysler Corporation. (See Harness, J. King, assignor.)

Chrysler Corporation. (See Harness, J. K., and Hann, assignors.)

Chrysler Corporation. (See Henderson, Herbert V., assignor.)

Chrysler Corporation. (See Higby, Frank M., assignor.)

Chrysler Corporation. (See Hottel, Ray, assignor.)

Chrysler Corporation. (See Keller, K. T., and Hughes, assignors.)

Chrysler Corporation. (See Kincaid, Russell M., assignor.)

Chrysler Corporation. (See Kulka, Leo, assignor.)

Chrysler Corporation. (See Lee, Roger K., assignor.)

Chrysler Corporation. (See Martin, John A., assignor.)

Chrysler Corporation. (See McCain, G. L., and Pfeiffer, assignors.)

Chrysler Corporation. (See McCleary, F. E., Babo, and Roer, assignors.)

Chrysler Corporation. (See Miller, C. W., and Goode, assignors.)

Chrysler Corporation. (See Mulhern, William A., assignor.)

Chrysler Corporation. (See Paton, Roy W., assignor.)

Chrysler Corporation. (See Pfeiffer, Karl, assignor.)

Chrysler Corporation. (See Pierce, Earl W., assignor.)

Chrysler Corporation. (See Riker, Frederick J., assignor.)

Chrysler Corporation. (See Sage, Frederick L., assignor.)

Chrysler Corporation. (See Saunders, S. C., and Williams, assignors.)

Chrysler Corporation. (See Schubach, Edward G., assignor.)

Chrysler Corporation. (See Skelton, Owen R., assignor.)

Chrysler Corporation. (See Stramitz, Roman, assignor.)

Chrysler Corporation. (See Tea, Clark A., assignor.)

Chrysler Corporation. (See Weil, Edward J., assignor.)

Chrysler Corporation. (See Werdehoff, Albert B., assignor.)

Chrysler Corporation. (See White, Jay E.)

Chrysler Corporation. (See Wilson, William, assignor.)

Chrysler Corporation. (See Woolson, Harry T., assignor.)

Chrysler Corporation. (See Zeder, James C., assignor.)

Chrysler, William A., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Ignition timer. 1,840,699; Jan. 12.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,840,700; Jan. 12

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,840,701; Jan. 12.

Chrysler, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Centrifugal clutch and switch. 1,842,820; Jan. 26.

Chrysler, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,842,821; Jan. 26.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Hydraulic shock absorber. 1,842,822; Jan. 26.

Chrysler, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,847,750; Mar. 1.

Chrysler, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Universal joint for shock absorbers. 1,853,038; Apr. 12.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Carburetor choke control. 1,856,746; May 3.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,863,296; June 14.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,869,092; July 26.

Chrysler, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,871,954; Aug. 16.

Chrysler, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,871,955; Aug. 16.

Chrysler, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,871,956; Aug. 16.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Oscillating pivot joint. 1,871,957; Aug. 16.

Chrysler, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,871,958; Aug. 16.

Chrysler, William A., and G. W. Elsey, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,842,819; Jan. 26.

Chubb, George W. (See Bischoff, T. C., Chubb, and Rettig.)

Chubb, Graham C. P., W. E. Colmer, and A. R. Bannister, London, assignors to The Bell Punch and Printing Company Limited, Uxbridge, England. Ticket issuing machine. 1,891,468; Dec. 20.

Chubb, Kenneth A., and H. C. Ralston, Cleveland, and T. D. Williams, Garfield Heights, Ohio. Coil handling apparatus. 1,868,362; July 26.

Chubb, Lewis W., Edgewood, Pa. Vehicle lighting system. 1,841,840; Feb. 9.

Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mounting for amplifier devices. 1,844,637; Feb. 9.

Chubb, Lewis W., Edgewood Park Pa., assignor to Radio Corporation of America, New York, N. Y. Motion picture apparatus. 1,879,793; Sept. 27.

Chubbuck, Burt A., deceased, Pittsburgh, Pa., E. M. Chubbuck, Medina, N. Y., administratrix, assignor to The U. S. Coal Machinery Company, Pittsburgh, Pa. Mining machine. 1,861,037; Mar. 29.

Chubbuck, Clarence H., Bala-Cynwyd, assignor to Haslett Chute and Conveyor Company, Oaks, Pa. Chute door control. 1,883,569; Oct. 18.

Chubbuck, Erma M., administratrix. (See Chubbuck, Burt A.)

Chubbuck, Paul R. (See Gilbody, W., and Chubbuck.)

Chudner, Joseph, Brooklyn, N. Y. Adjustable presser foot gauge. 1,852,952; Apr. 5.

Chulanovski, Theodore, Detroit, Mich. Hair clipping machine. 1,860,234; May 24.

Chung, Mong Y., administrator. (See Park, Chong S.)

Church, Albert E., assignor to The Union Manufacturing Company, New Britain, Conn. Chuck operating means. 1,848,317; Mar. 8.

Church, Albert E., assignor to The Union Manufacturing Company, New Britain, Conn. Chuck or holding device. 1,874,082; Aug. 30.

Church, Albert E., assignor to The Union Manufacturing Company, New Britain, Conn. Chuck. 1,886,083; Nov. 1.

Church, Albert M., administrator. (See Church, Edmund S.)

Church, Arthur P., Santa Barbara, Calif. Roof for toy structures. 1,870,491; Aug. 9.

Church-Budget Envelope Company, The. (See Stanley, Walter J., assignor.)

Church, C. F., Mfg. Co. (See Warth, Dudley S., assignor.)

Church, Edmund S., deceased, Chicago, Ill.: A. M. Church, administrator. Bottle capping. 1,848,695; Mar. 8.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Spring connection for vehicles. 1,889,399; Nov. 29.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Motor vehicle. 1,839,785; Jan. 5.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Internal combustion motor. 1,849,135; Mar. 15.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Lubricating engine governors. 1,871,496; Aug. 16.

Church, Harold D., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Friction clutch. 1,872,027; Aug. 16.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Lubricating system for the power plant of an automobile. 1,878,379; Sept. 20.

Church, John W. (See McClure, R. R., and Church.)

Church, John W., Carnegie, Pa., and H. G. Elledge, Painsville, Ohio, assignors to Pure Calcium Products Company, Pittsburgh, Pa. Making by-product whiting. 1,862,176; June 7.

Church, John W., Rosslyn Farms, Pa., and H. G. Elledge, Painesville, Ohio, assignors to Pure Calcium Products Company, Pittsburgh, Pa. Making precipitated calcium carbonate. 1,872,891; Aug. 23.

Church, Lewis H., Roselle, assignor to The Thomas & Betts Co., Elizabeth, N. J. Capped bushing. 1,843,204; Feb. 2.

Church, Lewis H., Roselle, assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding fitting. 1,864,295; June 21.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,850,533; Mar. 22.

Church, Lewis H., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding fitting. 1,860,994; May 31.

Church, Lewis H., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 1,864,339; June 21.

Church, Lewis H., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Box connector. 1,879,920; Sept. 27.
Church, Mary E., Cambridge, Mass. Educational device. 1,847,815; Mar. 1.
Church, Walter L. (See Pearce, L. M., and Church.)
Church, Walter L. (See Pearce, Louis M., and Pearce.)
Church, Walter L., Houston, Tex. Outside pipe cutter. 1,855,338; Apr. 26.
Church, Walter L., Houston, Tex. Spear. 1,883,650; Oct. 11.
Church, Walter L., assignor of one-half to W. L. Pearce, Houston, Tex. Control head. 1,858,550; Nov. 22.
Church, Walter L., and J. D. Nixon, Houston, Tex. Packer and setting tool. 1,845,238; Feb. 16.
Churcher, Brian A. G., Bowden, England, assignor to Westinghouse Electric & Manufacturing Company. Electrical indicating, measuring, relay and like arrangements responsive to frequency. 1,872,243; Aug. 16.
Churcher, William B., Cleveland, Ohio, assignor to The White Motor Company. Electrical switch. 1,887,883; Nov. 15.
Churchill, Adelaide L., executrix. (See Churchill, Winston G., assignor.)
Churchill, Arnold J., Junction City, Kans. Boot-jack. 1,849,382; Mar. 15.
Churchill Cabinet Company. (See Gulliekson, Ole, assignor.)
Churchill, David C., Berea, Ky. Sign. Des. 86,996; May 24.
Churchill, David C., Berea, Ky. Weaving mechanism. 1,858,482; May 17.
Churchill, Harry V., Parnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Cleaning composition. 1,890,234; Dec. 6.
Churchill, Ralph H., Chicago, Ill. Shock absorbing mechanism. 1,887,257; Nov. 8.
Churchill, Robert L., assignor to Eastman Kodak Company, Rochester, N. Y. Crystallizing lacquer comprising tribromo anisole. 1,880,419; Oct. 4.
Churchill, Ruel P., Lincoln, Calif. Directional signal. 1,842,314; Jan. 19.
Churchill, Thaddeus R., Sioux City, Iowa. Brush. 1,848,318; Mar. 8.
Churchill, Winston G., Denver, Colo., deceased, Adelaide L. Churchill, executrix. Placer-mining machine. 1,870,710; Aug. 9.
Churchward, Alexander, New York, N. Y., assignor to Radio Corporation of America. Uni-control tuning apparatus. 1,853,039; Apr. 12.
Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Welding generator. 1,862,922; June 14.
Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Welding apparatus. 1,863,833; June 21.
Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Welding apparatus. 1,882,063; Oct. 11.
Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Welding apparatus. 1,897,496; Nov. 15.
Churchward, Jack, New Haven, Conn. Aluminum arc welding. 1,869,667; Aug. 2.
Churgay, Louis A., and H. S. McClellan, assignors to Chrysler Corporation, Detroit, Mich. Shipping device. 1,867,302; July 12.
Chutter, George A., Milwaukee, Wis., assignor to General Electric Company. Voltage control system. 1,841,089; Jan. 12.
Chyle, John J. (See Stresau, R., and Chyle.)
Ciampi, Giotto, New York, N. Y. Elastic shoe lace and cable therefor. 1,846,318; Mar. 8.
Cibbs, Anthony F., assignor to Emil Linderme, sr., Cleveland Heights, Ohio. Making tubing. 1,861,421; May 31.
Ciboch, Lewis M., Brookfield, Ill. Dental burr cabinet. 1,856,807; May 3.
Cicali, Giovanna, Bologna, Italy. Producing practically pure hydrogen. 1,885,059; Oct. 25.
Ciccone, Anthony, Chicago, Ill. Pitch adjusting device for vaudeville instruments. 1,844,242; Feb. 9.
Ciccone, Pasquale, Ambridge, Pa. Convertible hand truck. 1,862,299; June 7.
Cicconi, Giulio, Smock, assignor of one-half to G. A. Andreotorvich, Monessen, Pa. Clothes hanger. 1,890,046; Dec. 6.
Cicilioni, Alfred, Peckville, Pa. Drilling machine. 1,842,377; Jan. 19.
Cicilioni, Alfred, Peckville, Pa. Movable stair. 1,870,603; Aug. 9.
Ciccurel, Joseph, New York, N. Y. Key cover. 1,868,563; July 26.
Cimino, Antonio, et al. (See Foti, Charles, assignor.)
Cinch Manufacturing Corporation. (See Kimbell, Arthur W., assignor.)
Cinch Manufacturing Corporation. (See Kimbell, A. W., and Knuison, assignors.)
Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)
Cincinnati Advertising Products Company, The. (See Mattman, Gustave F., assignor.)
Cincinnati Advertising Products Company, The. (See Willman, George J., assignor.)
Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)
Cincinnati Ball Crank Company, The. (See Harris, Cleo, assignor.)
Cincinnati Ball Crank Company, The. (See Harris, C., and Butler, assignors.)
Cincinnati Ball Crank Company, The. (See May, Frederick, assignor.)
Cincinnati Ball Crank Co., The. (See Munday, Richard B., assignor.)
Cincinnati Ball Crank Company, The. (See Sneed, John, assignor.)
Cincinnati Bickford Tool Company. (See Jullien, Victor, assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., and Sosa, assignors.)
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Cincinnati Butchers' Supply Company, The. (See Schmidt, O. C., and Klawitter, assignors.)
Cincinnati Car Corporation, The. (See Davis, Lewis J., assignor.)
Cincinnati Car Corporation, The. (See Ellis, Charles J., assignor.)
Cincinnati Car Corp., The. (See Elliott, J. H., and Norbom, assignors.)
Cincinnati Car Corporation, The. (See Wernsten, John A., assignor.)
Cincinnati Electrical Tool Company, The. (See Groene, W. F., and Reed, assignors.)
Cincinnati Galvanizing Company, The. (See Schott, Louis, assignor.)
Cincinnati Grinders Incorporated. (See Binns, George W., assignor.)
Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
Cincinnati Grinders Incorporated. (See Booth, C., and Haas, assignors.)
Cincinnati Grinders, Incorporated, The. (See Caster, John E., assignor.)
Cincinnati Grinders Incorporated. (See Einstein, Sol, assignor.)
Cincinnati Grinders Incorporated, The. (See Einstein, S., and Nenninger, assignors.)
Cincinnati Grinders Incorporated. (See Einstein, S., Nenninger, and Haas, assignors.)
Cincinnati Grinders Incorporated. (See Ernst, Hans, assignor.)
Cincinnati Grinders Incorporated, The. (See Fritschi, Hans, assignor.)
Cincinnati Grinders Incorporated. (See Haas, Frederick S., assignor.)
Cincinnati Grinders Incorporated, The. (See Haas, F. S., and Kearns, assignors.)
Cincinnati Grinders Incorporated. (See Harrison, R. E. W., and Haas, assignors.)
Cincinnati Grinders Incorporated. (See Kern, Fred M., assignor.)
Cincinnati Grinders Inc. (See Leighton, Herbert J., assignor.)
Cincinnati Grinders Incorporated, The. (See Liljeberg, Carl G., assignor.)
Cincinnati Grinders Incorporated. (See Nenninger, Lester F., assignor.)
Cincinnati Grinders Incorporated. (See Peaslee, Willetts, assignor.)
Cincinnati Grinders Incorporated. (See Plimmer, Alfred G., assignor.)
Cincinnati Grinders Incorporated. (See Strickland, S. A., and Zimmerman, assignors.)
Cincinnati Grinders Incorporated. (See Theller, Frederick J., assignor.)
Cincinnati Grinders Incorporated. (See Trudeau, Max D., assignor.)
Cincinnati Grinders Incorporated. (See Volz, George A., assignor.)
Cincinnati Milling Machine Company, The. (See Archea, Walter D., assignor.)
Cincinnati Milling Machine Company, The. (See Beulwitz, Frederick H., assignor.)
Cincinnati Milling Machine Company, The. (See Blood, Louis H., assignor.)
Cincinnati Milling Machine Company, The. (See Einstein, Sol, assignor.)
Cincinnati Milling Machine Company, The. (See Einstein, S., and Nenninger, assignors.)
Cincinnati Milling Machine Company, The. (See Ernst, Hans, assignor.)
Cincinnati Milling Machine Company, The. (See Ernst, H., and Goodrich, assignors.)
Cincinnati Milling Machine Company, The. (See Ernst, H., and Martelletti, assignors.)
Cincinnati Milling Machine Company, The. (See Ernst, H., and Nenninger, assignors.)
Cincinnati Milling Machine Company, The. (See Nenninger, Lester F., assignor.)
Cincinnati Milling Machine Company, The. (See Sassen, Bernard, assignor.)
Cincinnati Mine Machinery Company, The. (See Stenger, Edwin P., assignor.)
Cincinnati Planer Company. (See Rambo, H. L., Addison, and Langen, assignors.)

Cincinnati Shaper Company, The. (See Hazelton, Robert T., assignor.)
Cincinnati Time Recorder Company, The. (See Lentz, Clarence J., assignor.)
Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
Cine-A-Graph Corporation. (See Rowley, Edward G., assignor.)
Cinderella Washing Machine Company, The. (See Barker, Percy E., assignor.)
Cinema Development Company. (See Briel, Conrad G., assignor.)
Cinema Patents Company. (See Aller, J. L., and Higginson, assignors.)
Cinema Studios Supply Corporation. (See Arrouses, Frank F., assignor.)
Cink, Maximillian, Naugatuck, Conn. Razor honing device, 1,884,574; Oct. 25.
Ciolfi, Paul P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,866,924; July 12.
Ciolfi, Paul P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,866,925; July 12.
Ciolfi, Paul P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heat treating furnace. 1,880,806; Oct. 4.
Ciotta, John, New York, N. Y. Fuse-containing switch. 1,847,173; Mar. 1.
Cipko, Joseph, New York, N. Y. Wire ring rolling machine. 1,866,249; July 5.
Cirac Automatic Reverse Control Company. (See Cirac, Charles P., assignor.)
Cirac, Charles P., assignor to Cirac Automatic Reverse Control Company, San Francisco, Calif. Reverse stop for vehicles. 1,875,417; Sept. 6.
Circle A Products Corporation. (See Oberdorfer, Henry D., assignor.)
Circle F Mfg. Co. (See Petersen, Carl M., assignor.)
Circular Concrete Container Corporation. (See Nash, Alexander J., assignor.)
Cirrito, Joseph, Jersey City, N. J. Training grapevines. 1,875,561; Sept. 6.
Cisar, Jos., et al. (See Mitchell, Ernest R., assignor.)
Cisink, Francis E., assignor to P. C. Reilly, Indianapolis, Ind. Purifying anthracene and other substances. 1,879,060; Sept. 27.
Cisor, Benjamin F., Los Angeles, Calif. Thermostatically controlled receding fireproof safe. 1,863,040; June 14.
Citizens Trust and Savings Bank of Evansville. (See Graham, G. A., Evans (deceased) and Friedman.)
Citizens National Trust & Savings Bank. (See Pendleton, Charles B., assignor.)
Citizens of United States of America. (See Zern, L. D., and Munkwitz, assignors.)
City Auto Stamping Company, The. (See Ireland, George E., assignor.)
City Machine & Tool Company, The. (See Ireland, George E., assignor.)
Cinegan, Michael, et al. (See Loga, Alexander, assignor.)
Ciurana, Federico. (See Ciurana, Valeriano and F.)
Ciurana, Valeriano and F., Oakland, Calif. Signal arm. 1,875,418; Sept. 6.
Civile, Pascule L. (See Ferguson, Cecil J., assignor.)
Clanssen, Alvin A., Chicago, Ill. Checker work. 1,865,242; Mar. 30.
Claflin, Harry C., Cleveland, Ohio, assignor to Beryllium Development Corporation, New York, N. Y. Producing beryllium metal. 1,861,656; June 7.
Claghorn, Clarence R., Baltimore, Md. Conveyer. 1,861,840; June 7.
Clamer, Guilham H. (See Neuhauss, Heinrich, assignor.)
Clampitt, Charles P., North Hollywood, Calif. Bird cage. 1,887,869; Nov. 15.
Clancy, Frank, assignor to S. Michaels, New York, N. Y. Automatic air valve for hot water radiators. 1,879,091; Sept. 27.
Clanton, Richard, assignor of one-half to P. Kramer, North Hollywood, Calif. Mechanical sand washer. 1,872,892; Aug. 23.
Clapham, Charles F. (See Burn, Lewis, assignor.)
Clapham, Francis J. (See Wolfe, Clifford E., assignor.)
Clapp, Albert L., Danvers, Mass. Paper article and making the same. 1,857,496; May 10.
Clapp, Albert L., Danvers, Mass. Surface finishing paper or fiber board and product of same. 1,857,497; May 10.
Clapp, Albert L., Danvers, Mass. Treatment of pulp articles and matter therefor. 1,857,498; May 10.
Clapp, E. H., Rubber Company. (See Thomas, Arthur V., assignor.)
Clapp, Joseph A., Lawrence, Mass. Spinning ring mounting. 1,853,800; Apr. 12.
Clapp, Kenneth S., Cleveland, Ohio. Switch for motor driven grease machines. 1,874,025; Aug. 30.
Clapp, Kenneth S., Cleveland, Ohio. Lubricator. 1,885,081; Oct. 25.
Clapp, Kenneth S., and T. H. Eichhoff, Cleveland, Ohio. Lubricator pump. 1,874,026; Aug. 30.
Clapp, Roger S., assignor to Waterhouse Company, Webster, Mass. Automobile. 1,868,093; July 19.
Clapp, Royal A., Brookline, Mass. Motion picture projecting machine. 1,844,561; Feb. 9.
Clapp, William H. (See Minor, B. S., and Clapp.)
Clapper, Harvey. (See Spate, E. T., Clapper, and Marlow.)

Clapper, Leland, Two Harbors, Minn., assignor to Roberts & Schaefer Company, Chicago, Ill. Material handling means. 1,845,906; Feb. 16.
Clapper, Walter J. (See Eberlein, Edwin S., assignor.)
Clapp, Kenneth S., and T. H. Eickhoff, Cleveland, Ohio. Pump. 1,859,822; Dec. 6.
Claps, Carmine. (See Cazes, J., and Claps.)
Clar, Mottel, Englewood, Colo. Battery cable terminal. 1,844,638; Feb. 9.
Clarage Fan Company. (See McMurdie, Francis J., assignor.)
Clare, Aylmer W., Seattle, Wash. Valve cap air leak detector. 1,846,311; Feb. 23.
Clare, William G. (See Oliver, L. W., and Clare.)
Claremont Waste Manufacturing Company. (See Parent, Louis E., assignor.)
Claridge, Samuel J., Portland, Oreg. Electrically heated handle for vehicles and other purposes. 1,865,834; July 5.
Clarin Mfg. Co. (See Hambrook, George W., assignor.)
Clarin Mfg. Co. (See Hambrook, G. W., and Clarin, assignors.)
Clarin, Werner E. (See Hambrook, G. W., and Clarin.)
Clark, Arthur B. (See Young, C. D., and Clark.)
Clark, Ary C., and A. L. Graves, Imperial, Calif., said Graves assignor to Imperial Irrigation District. Canal excavator. 1,877,556; Sept. 13.
Clark, Ary C., and A. L. Graves, Imperial, Calif.; said Graves assignor to Imperial Irrigation District. Excavator. 1,880,807; Oct. 4.
Clark, Augustus M., assignor to Whitall Tatum Company, Millville, N. J. Glass working machine. 1,871,497; Aug. 16.
Clark, Bennett F., assignor to John Waldron Corporation, New Brunswick, N. J. Conveyer for sheet driers. 1,864,415; June 21.
Clark, Calvin C., assignor of one-half to V. D. Bennett, Verona, Pa. Tire spreader. 1,858,564; July 26.
Clark, Charles H., Washington, D. C. Lifting device. 1,873,288; Aug. 23.
Clark, Charles H., New York, N. Y. Flexible coupling. 1,891,915; Dec. 27.
Clark, Charles V., jr., Louisville, Ga. Road guard. 1,889,836; Nov. 29.
Clark, Clifford L., Fairfield, Me. Ruling and plotting device. 1,840,568; Jan. 12.
Clark Controller Company, The. (See Rippl, Charles H., assignor.)
Clark, Cyril B., Scarsdale, assignor to General Chemical Company, New York, N. Y. Production of anhydrous aluminum chloride. 1,851,272; Mar. 29.
Clark, Cyril B., Scarsdale, assignor to General Chemical Company, New York, N. Y. Production of anhydrous aluminum chloride. 1,851,273; Mar. 29.
Clark, Cyril B., Scarsdale, assignor to Catalytic Process Corporation, New York, N. Y. Sulphuric acid. 1,882,208; Oct. 11.
Clark, Cyril B., Scarsdale, assignor to General Chemical Company, New York, N. Y. Conducting exothermic gaseous reactions. 1,883,070; Oct. 18.
Clark, Cyril B., Scarsdale, assignor to American Cyanamid Company, New York, N. Y. Concentration of weak phosphoric acid. 1,890,949; Dec. 6.
Clark, David M. (See Heene, A. H., and Clark.)
Clark, Earle A., Tulsa, Okla., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Compensating gas regulator attachment. 1,883,571; Oct. 18.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic device. 1,851,564; Mar. 29.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Thermostatic switch. 1,873,344; Aug. 23.
Clark, Edgar H., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic and semiautomatic telephone system. 1,844,147; Feb. 9.
Clark, Edgar M., New York, N. Y., assignor to Standard I. G. Company. Method and apparatus for hydrogenation and distillation of low-sulfur petroleum oils. 1,870,792; Aug. 9.
Clark, Edward E., Los Angeles, assignor to George S. Irvin, Santa Monica, Calif. Holster. 1,876,613; Sept. 13.
Clark, Edward F. (See Rogers, J. F., and Clark.)
Clark, Edward F., Rangeley, Me., and J. F. Rogers, North Attleboro, Mass., assignors, by mesne assignments, to Art Metal Works, Inc., Newark, N. J. Pyroplastic pocket lighter. 1,872,244. Aug. 16.
Clark, Edward M., Davenport, Iowa, assignor to Lustro-lite, Inc., Wilmington, Del. Sheet metal working machine. 1,858,578; May 17.
Clark, Elmer, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber cutting machine. 1,866,799; July 12.
Clark Equipment Company. (See Mogford, Edmund C., and Burger, assignors.)
Clark Equipment Company. (See Mogford, E. C., and Spatta, assignors.)
Clark, Eugene P., Damariscotta, Me., assignor to Marshall Field Mills Corporation, Philadelphia, Pa. Tuft yarn frame for looms for weaving tufted pile fabric. 1,846,948; Feb. 23.
Clark, Florence B. (See Clark, Harry E., assignor.)

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Treating aluminum. 1,846,844; Feb. 23.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Drying treatment. 1,866,346; July 5.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Impregnating electrical devices. 1,877,644; Sept. 13.
Clark, Frank W., assignor to Sanford Mills, Sanford, Me. Process and apparatus for coloring textile webs. 1,846,845; Feb. 23.
Clark, George, St. Boniface, Manitoba, Canada. Aircraft. 1,888,462; Nov. 22.
Clark, George D., Sharpsville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Expansion system for a gaseous medium. 1,872,245; Aug. 16.
Clark, George J. A., William and E. B. Jones, South Weymouth, assignors to National Fireworks, Inc., West Hanover, Mass. Safety toy torpedo. 1,845,397; Feb. 16.
Clark, Gordon H. and W. F., Philadelphia, assignors to Automatic Electric Heater Company, Pottstown, Pa. Water heater. 1,849,175; Mar. 15.
Clark, Harold W., assignor to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Screw jack mechanism. 1,842,959; Jan. 26.
Clark, Harold W., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Shears. 1,853,259; Apr. 12.
Clark, Harold W., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Shears. 1,860,316; May 24.
Clark, Harold W., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Shears. 1,860,317; May 24.
Clark, Harry A., Detroit, Mich. Necktie and attaching same to a collar. 1,879,092; Sept. 27.
Clark, Harry E., Huntington Park, assignor of one-third to L. K. Porter, Los Angeles, Calif., one-third to L. A. Friedman, Lovelock, Nev., and one-third to F. B. Clark. Line lift. 1,864,802; June 28.
Clark, Harry E. (See Fish, M. V., and Clark.)
Clark, Harry R., Brooklyn, N. Y. Detachable panel mounting. 1,857,778; May 10.
Clark, Horace G., Bridgewater Township, Somerset county, N. J., assignor to Refractory and Engineering Corporation, New York, N. Y. Insulating cement. 1,851,038; Mar. 29.
Clark, Hugh E. (See Norris, Alfred E., assignor.)
Clark, Ira J., Fort Morgan, Colo. Valve lifter. 1,871,498; Aug. 16.
Clark, Isabelle M., Cleveland, Ohio. Apparatus for stretching curtains. 1,849,707; Mar. 15.
Clark, J. L., Manufacturing Co. (See Truesbury, Fred C., assignor.)
Clark, James, assignor to S. R. Dresser Manufacturing Corporation, Bradford, Pa. Reenforcing welded pipe joints. 1,853,549; Apr. 12.
Clark, James A., El Paso, Tex. Radioantenna device. 1,879,978; Sept. 27.
Clark, James Ellis, Kensington, England. Determining the moisture content and quality of materials. 1,878,109; Sept. 20.
Clark, James M., Norwark, N. J. Safety receptacle or container for inflammable materials. 1,874,243; Aug. 30.
Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)
Clark, J. L., Manufacturing Company. (See Mills, Wallace E., assignor.)
Clark, J. R., Co. (See Kalgren, John E., assignor.)
Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Pipe coupling for plain end pipes. 1,888,260; Nov. 22.
Clark, James R. (See Furlong, R. A., and Clark.)
Clark, John M., Norton, Kans. Signal device for automobiles. 1,854,108; Apr. 12.
Clark, John M., New York, N. Y. Escape means for a submarine or submergible. 1,861,595; June 7.
Clark, John M., Whitestone, N. Y. Marine and aeroplane propeller. 1,864,803; June 28.
Clark, John M., assignor to The Universal Button Fastening & Button Co., Detroit, Mich. Fastener attaching machine. 1,842,247; Jan. 19.
Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,873,545; Aug. 23.
Clark, John O., St. Louis, Mo., assignor to American Manganese Steel Company, Chicago, Ill. Intertooth scraper for excavating implements. 1,843,205; Feb. 2.
Clark, John T., Salt Lake City, Utah. Automobile tire. 1,889,799; Dec. 6.
Clark, John W., assignor to Neuberger Chemical Corporation, New York, N. Y. Making surfacing materials. 1,875,802; Sept. 6.
Clark, John W., New York, N. Y. Wrapper for packages, bales, and the like. 1,846,584; Feb. 23.
Clark, John W., New York, N. Y. Wrapper for expansible material. 1,846,585; Feb. 23.
Clark, John W., New York, N. Y. Wrapper for expansible material. 1,846,949; Feb. 23.
Clark, Lancaster P., jr., South Norwalk, Conn. Electrical plug device. Des. 86,098; Jan. 26.
Clark, Lee H., Haverford, Pa. Manufacture of chocolate. 1,857,430; May 10.
Clark, Le Grand L., Brooklyn, assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Bookmaking apparatus. 1,865,557; July 5.
Clark, LeRoy V. (See Holderer, G. B., and Clark.)
Clark, Louis F., Milwaukee, Wis. Centrifuge. 1,873,185; Aug. 23.
Clark, Loyal, et al. (See Maier, Michael, assignor.)
Clark, Lucien C., Brighton, Mass. Combined canvas stretcher and picture frame. 1,870,492; Aug. 9.
Clark, Malcolm S., Ferndale, Mich., assignor of one-fifth to Starrett Bldg. Co., one-fifth to Harnischfeger Corporation, one-fifth to W. W. Ahlschlags, Inc., one-fifth to A. R. Fridstein, Chicago, Ill., and one-tenth to B. B. Balkema, Detroit, Mich. Vehicle storage apparatus. 1,857,431; May 10.
Clark Manufacturing Company, The. (See Strong, Leslie P., assignor.)
Clark, Marion A., Tulare, Calif. Double-action pump. 1,867,906; July 19.
Clark, Mills G., Cleveland Heights, assignor to The Insulated Steel Floor & Wall Company, Cleveland, Ohio. Metal building structure. 1,852,002; Apr. 5.
Clark, Nathaniel, Clothier, W. Va. Car coupler. 1,874,447; Aug. 30.
Clark, Olin B. (See Northrop, J. K., and Clark.)
Clark, Omar E., Omaha, Nebr., assignor to Gardner-Denver Company, Denver, Colo. Clutch. 1,844,272; Feb. 9.
Clark, Paul J., Longport, N. J. Inking device for printing machines. 1,883,572; Oct. 18.
Clark, Paul J., Longport, N. J. Platen for printing machines. 1,892,136; Dec. 27.
Clark, Paul Wesley, Los Angeles, Calif. Confection. 1,869,464; Aug. 2.
Clark, Peter, and G. Vail, New York, N. Y. Stage setting. 1,885,573; Nov. 1.
Clark, Ralph O., Memphis, Tenn. Serving tray. Des. 87,203; June 21.
Clark, Ralph O., Memphis, Tenn. Table leg hinge and latch. 1,860,494; May 31.
Clark, Raymond B., Umapine, Oreg. Adjustable hook. 1,846,364; Mar. 15.
Clark, Rolland R., and R. A. Fontaine, New Haven, Conn. Holding device. 1,865,558; July 5.
Clark, Roy P., Brownwood, Tex. Instrument for obtaining condyle-cast records. 1,864,804; June 28.
Clark, Sheldon. (See Valle, Pembroke A., assignor.)
Clark, Stuart B. (See Daniel, R. E., Haughton, and Clark.)
Clark, Stuart B., Riverton, assignor to United States Pipe & Foundry Company, Burlington, N. J. Conveyer mechanism. 1,845,127; Feb. 23.
Clark, Stuart B., Riverton, assignor to United States Pipe & Foundry Company, Burlington, N. J. Runner trough for centrifugal casting machines. 1,849,072; Mar. 15.
Clark, Stuart B., Riverton, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Pipe annealing furnace. 1,856,863; May 3.
Clark, Thomas B., Hasbrouck Heights, N. J., assignor to Remington Rand Inc., New York, N. Y. Signal holder for indexes. 1,860,804; May 31.
Clark Tructractor Company. (See Contois, Ely J., assignors.)
Clark Tructractor Co. (See Contois, E. J., and Williams, assignors.)
Clark Tructractor Company. (See Williams, Alfred O., assignor.)
Clark Tructractor Company. (See Yeakel, Walter C., assignor.)
Clark, Walter R. (See Jones, L., and Clark.)
Clark, Walter R., Bridgeport, Conn. Machine for rolling or piercing billets. 1,882,655; Oct. 18.
Clark, Walter W., and J. F. McCann, assignors to Sprague Specialties Co., North Adams, Mass. Electrolytic device. 1,867,249; July 12.
Clark, Warren F. (See Clark, Gordon H. and W. F.)
Clark, Warren F., Philadelphia, assignor to Automatic Electric Heater Company, Pottstown, Pa. Solar heater. 1,888,620; Nov. 22.
Clark, Warren F., Philadelphia, assignor to Automatic Electric Heater Company, Pottstown, Pa. Solar heater. 1,889,238; Nov. 29.
Clark, Wendell H., Kenilworth, Ill. Third rail selector for toy railroads. 1,861,523; June 7.
Clark, Will A., St. Louis, Mo. Bottle. Des. 87,287; June 28.
Clark, William A., assignor of one-half to L. Westphalen, Chicago, Ill. Ornamental side ring for wire-spoked wheels. Re18,692; Dec. 20.
Clark, William A., San Francisco, Calif., assignor to Wilson-Jones Company, Chicago, Ill. Sheet lifter. 1,846,675; Feb. 23.
Clark, William E., La Porte, Ind. Artificial bait. 1,873,289; Aug. 23.
Clark, William G., Vancouver, British Columbia, Canada. Smoking pipe. 1,886,375; Nov. 8.
Clark, William T., Milwaukee, Wis. Self oiling leader pins for die sets. 1,842,071; Jan. 19.
Clark, William T., Milwaukee, Wis. Fusible element for protecting electrical circuits. 1,856,317; May 3.
Clark, William T., Milwaukee, Wis. Detachable self-centering cleats for athletic shoes. 1,864,713; June 28.
Clark, William T., Milwaukee, Wis. Safety feeding device for clothes wringers. 1,866,084; July 5.

Clark, William T., Chicago, assignor to Whiting Corporation, Harvey, Ill., Eductor. 1,867,878; July 19.
Clark, Wycliffe L., Jamestown, N. Y. Balance support. 1,857,623; May 10.
Clarke, Allen W., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,851,752; Mar. 29.
Clarke, Allen W., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,865,407; June 28.
Clarke, Allen W., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,865,408; June 28.
Clarke, Allen W., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,879,093; Sept. 27.
Clarke, Allen W., Ridgewood, and W. Griffin, Rutherford, N. J., assignors to American Car and Foundry Company, New York, N. Y. Articulated car. 1,865,406; June 28.
Clarke, Arthur F., deceased; Nell M. Clarke, Tulsa, Okla., executrix. Mist extractor. 1,846,248; Feb. 23.
Clarke, Arthur F., deceased, Tulsa, Okla.; Nell M. Clarke executrix. Apparatus for treating hydrocarbons. 1,878,467; Sept. 20.
Clarke, Benjamin, et al. (See Duggan, William H., assignor.
Clarke, C. W., et al. (See Duggan, William H., assignor.)
Clarke, Cecil M., Chicago, Ill. Making channel bodies. 1,839,200; Jan. 5.
Clarke Chapman & Company, Limited. (See Woodeson, William A., assignor.)
Clarke, Charles E. (See Bommer, F. W., and Clarke.)
Clarke, Charles M. (See McCracken, Robert T., assignor.)
Clarke, Charles R., Cranston, R. I., assignor to Leonard-Rooke Company. Continuous flow tub. 1,856,318; May 3.
Clarke, Clarence M., Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 1,841,521; Jan. 19.
Clarke, Clarence M., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. 1,856,644; Nov. 8.
Clarke, Crichton, (See Clarke, Alfred, assignor.)
Clarke, Frank M., et al. (See Duggan, William H., assignor.)
Clarke, Gilbert, Gatooma, Southern Rhodesia, South Africa. Mosquito net for bedsteads. 1,841,171; Jan. 12.
Clarke, Hans T. (See Webb, W. R., and Clarke.)
Clarke, Hans T., New York, and D. F. Othmer, assignors to Eastman Kodak Company, Rochester, N. Y. Dehydrating aqueous acetic acid with carbon tetrachloride. 1,861,841; June 7.
Clarke, Hans T., New York, and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Acetone soluble formyl esters of cellulose and making the same. 1,859,420; Oct. 4.
Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester N. Y. Making cellulose esters of cyclohexane acids. 1,859,808; Oct. 4.
Clarke, Harold E., West Somerville, Mass. Hinged last. 1,864,977; June 28.
Clarke, Harry A., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound transmitting device. 1,855,600; Apr. 26.
Clarke, Harry D., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spool for electrical devices. 1,850,809; Oct. 4.
Clarke, Herman F., Vancouver, British Columbia, Canada. Wheeled toy. 1,867,731; July 19.
Clarke, Ira M., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Tumbler or similar article. Des. 88,398; Nov. 29.
Clarke, John A., jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Notching relay. 1,861,777; Aug. 16.
Clarke, John D., West Haven, Conn. Air boat. 1,860,609; May 31.
Clarke, John D., West Haven, Conn. Air boat. 1,867,563; July 19.
Clarke, Nell M., executrix. (See Clarke, Arthur F.)
Clarke, Philip C., West Collingswood, N. J., assignor to General Electric Company. Switch operating mechanism. 1,841,090; Jan. 12.
Clarke, Samuel H., Baltimore, Md. Timing assembly for automobiles. 1,860,235; May 24.
Clarke, Thomas B. (See Hazelton, G., and Clarke.)
Clarke, Thomas W. H., Ely, England. Potato digger. 1,850,658; Mar. 22.
Clarke, Tresper, assignor to Nunnally Company, Atlanta, Ga. Coloring and flavoring sugar and products resulting therefrom. 1,841,432; Jan. 19.
Clarke, Verne E., assignor to Christine Treasury, Incorporated, Seattle, Wash. Rotary air engine. 1,849,478; Mar. 15.
Clarkson, Bradley E. (See Schellentrager, E. W., and Clarkson.)
Clarkson, Claude B., Bridgeport, Conn. Test indicator. 1,860,993; May 31.
Clarkson, Ralph P., New Rochelle, N. Y., assignor to J. H. McCormick & Co., Williamsport, Pa. Heating device. 1,856,645; Nov. 8.
Clarkson Thimble Tube Boiler Company Limited, The. (See Fountain, Howard A., assignor.)
Clarostat Manufacturing Company, The. (See Mucher, John J., assignor.)
Clarry, Harold E., East Orange, N. J., assignor to Westinghouse Lamp Company. Cleaning up gases. 1,869,544; Aug. 2.
Clary, Jan P. (See Allen, R. M., and Dickinson, assignors.)
Clary, Jan P. (See Courtois, Arthur J., assignor.)
Clary, Jan P. (See Hansen, Thomas A., assignor.)
Clary, Jan P. (See Hegenberger, William H., assignor.)
Clary, Jan P. (See Kern, Joseph, assignor.)
Clary, Jan P. (See Saraceno, Nicholas M., assignor.)
Clary, Jan P. (See Smith, Wilbert P., assignor.)
Clary, Jan P. (See Sundquist, Hilding G., assignor.)
Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car truck. 1,871,778; Aug. 16.
Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway side frame. Re18,690; Dec. 13.
Clash, Harwood G., Toledo, Ohio. Surgical appliance. 1,863,188; June 14.
Classen, John P., San Antonio, Tex. Vehicle operated gate. 1,851,968; Apr. 5.
Classon, Eric R., Flushing, N. Y. Weatherstrip. 1,873,546; Aug. 23.
Classroom Teacher, Inc., The. (See Reardon, Harvey J., assignor.)
Clatterbuck, Nathaniel P., Dobbs Ferry, N. Y. Diaphragm for locomotives. 1,879,094; Sept. 27.
Clauberg, Herman P., Jersey City, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Chuck mechanism for web rolls. 1,858,391; May 17.
Claud-Mantle, Arthur, assignor to The Bassick Company, Bridgeport, Conn. Lock. 1,865,590; Nov. 1.
Claud-Mantle, Arthur. (See Moore, R. G., and Claud-Mantle.)
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,877,186; Sept. 13.
Claude, Dominique. (See Hackspill, L., Claude, Andres, and Rollet.)
Claude, Georges. (See Boucherot, P., and Claude.)
Claude, Georges, assignor to Société l'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Siège Social, Paris, France. Manufacture of hydrogen by the partial liquefaction of gaseous mixtures containing the same. 1,870,096; Aug. 2.
Claude, Georges, Boulogne sur Seine, France, assignor to Claude Neon Lights, Inc., New York, N. Y. Discharge tube. 1,877,715; Sept. 13.
Claude, Georges, Boulogne sur Seine, France, assignor to Claude Neon Lights, Inc., New York, N. Y. Gas discharge light. 1,877,716; Sept. 13.
Claude, Georges, Paris, and J. Le Rouge, Boulogne-sur-Seine, assignors to la Société l'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude siege social; Paris, France. Separation of gaseous mixtures. 1,840,833; Jan. 12.
Claude, Maurice, Boulogne-sur-Seine, France. Blowpipe cutting apparatus. 1,841,878; Jan. 19.
Claude Neon Electrical Products Corporation. (See Fenson, H. T., and Green, assignors.)
Claude Neon, Electrical Products Corporation. (See Hyde, Ralph C., assignor.)
Claude Neon Electrical Products Corporation. (See Hyde, R. C., and Van Wyck, assignors.)
Claude Neon Federal Company. (See Hall, Lee, assignor.)
Claude, Neon Lights, Inc. (See Beck, Leo L., assignor.)
Claude Neon Lights, Inc. (See Morris, Melvin G., assignor.)
Claude Neon Lights, Inc. (See Smalley, Robert C., assignor.)
Claude Neon Lights, Inc. (See Spaeth, Charles, assignor.)
Claudel, Charles Henri, assignor to Societe Anonyme la Cooperation Agricole & Industrielle, Veuxhaulles, France. Carburetor. 1,886,646; Nov. 8.
Claus, Ernst C., Chicago, Ill. Cooker for Frankfurters or the like. 1,876,614; Sept. 13.
Claus, Ernst C., assignor, by mesne assignments, to E. Reich, Chicago, Ill. Cooking device. 1,856,864; May 3.
Claus, Frank, Plattsmouth, Nebr. Window safety device. 1,891,588; Dec. 20.
Claus Manufacturing Co. (See Claus, O. J., and Rawlings, assignor.)
Claus Manufacturing Co. (See Leins, O. J., and Wantz, assignors.)
Clause, Frank H., Camberwell, London, assignor to Waddington Tamperproof Taximeters, Limited, London, England. Taximeter. 1,878,438; Sept. 20.
Clause, Robert L., Sewickley, Pa., assignor to Pittsburgh Plate Glass Company. Making plate glass. 1,871,156; Aug. 9.
Clausen, Carl F., Grayslake, Ill. Draftsman's table. 1,887,288; Nov. 8.
Clausen, Harold. (See Robinson, G., and Clausen.)
Clausen, Harold C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,859,073; May 17.

Clausen, Harold C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,868,493; July 20.

Clausen, Harold C., Swissvale, and J. W. Logan, jr., Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,869,409; Aug. 2.

Clausen, Leon R., assignor to J. I. Case Company, Racine, Wis. Combination harvester-thresher. 1,858,000; May 10.

Clausen, Peter B., New Lisbon, Wis. Muskrat trap. 1,853,532; Mar. 22.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar machine feeding channel. 1,875,091; Sept. 6.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar wrapper cutting mechanism. 1,888,788; Nov. 22.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Rerolling bunch former. 1,888,789; Nov. 22.

Clausing, George, assignor to The Vulcan Corporation, Portsmouth, Ohio. Wood heel. 1,858,805; May 17.

Claus, Gustav. (See Risberg, F., and Claus.)

Claussen, Edward, Walla Walla, Wash. Slip-on bed brace. 1,869,796; Aug. 2.

Clavel, René Basel-August, near Basel, Switzerland. Treatment of products or goods of or containing cellulose derivatives. 1,844,204; Feb. 9.

Clavel, René, Basel, Switzerland. Loading and dulldustproof silk. 1,845,037; Feb. 16.

Clavel, René, Basel, Switzerland. Loading silk containing fabrics. 1,847,816; Mar. 1.

Clavel, René, Basel, Switzerland. Loading textile material. 1,876,615; Sept. 13.

Clawson, Anna L., executrix. (See Clawson, Monroe S., assignor.)

Clawson, Hugh C., Rochelle, Ill. Golf bag. 1,876,134; Sept. 6.

Clawson, Lewis F., jr., La Mesa, Calif. Aircraft. 1,846,088; Feb. 23.

Clawson, Monroe S., deceased, Montclair, N. J.; Anna L. Clawson, executrix. Multiple permanent mold. 1,886,084; Nov. 1.

Clawson, Monroe S., Upper Montclair, N. J. Tempering apparatus. 1,874,448; Aug. 30.

Clay Equipment Corporation. (See Clay, Joseph B., assignor.)

Clay Equipment Corporation. (See Wille, Walter O., assignor.)

Clay, Joseph B., assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Ventilating window. 1,849,907; Mar. 15.

Clay, Joseph B., assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Ventilating device. 1,874,083; Aug. 30.

Clay, Joseph B., assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Gate latching device. 1,876,856; Sept. 13.

Clay Reduction Company. (See Svendsen, Svend S., assignor.)

Clay Reduction Corporation. (See Svendsen, Svend S., assignor.)

Claybourn, John G., and L. Foote, Pedro Miguel, Canal Zone. Conveying apparatus for dredging. 1,844,348; Feb. 9.

Claybourn, Leslie W., Milwaukee, Wis. Registering printing plates. 1,839,866; Jan. 5.

Claybourn, Leslie W., Milwaukee, Wis. Supporting means for web-rolls. 1,878,264; Sept. 20.

Claybourn, Leslie W., assignor to Claybourn Process Corporation, Milwaukee, Wis. Sheet delivery control. 1,879,095; Sept. 27.

Claybourn Process Corporation. (See Claybourn, Leslie W., assignor.)

Claybourn Process Corporation. (See Sweet, C. C., and Bonn, Sponsors.)

Clayburgh, Harry C., assignor to Dawson Manufacturing Company, Oakland, Calif. Can lifter. 1,840,487; Jan. 12.

Clayden, Fred, Feltham, assignor to E. H. Chambers, Maidstone, and H. Egerton, London, England. Curb or edging for garden paths and the like. 1,843,103; Feb. 2.

Claypool, Wallace L., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Rotary pump. 1,865,396; June 28.

Claypool, Wallace L., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Rotary pump. 1,875,419; Sept. 6.

Claypoole, Albert, Findlay, Ohio. Shower bath attachment. 1,866,009; July 5.

Clayton Aniline Company Limited, The. (See Fritzsche, Hermann, assignor.)

Clayton Gin Compress Company. (See Mackenzie, Alexander S., assignor.)

Clayton, Harry F., Strathmore, Quebec, Canada. Apparatus for burning liquid fuel. 1,888,373; Nov. 22.

Clayton, Herbert D., Hill City, Kans. Merry-go-round. 1,878,758; Sept. 20.

Clayton & Lambert Manufacturing Co. (See Blaskewitz, W., and Ironside, assignors.)

Clayton and Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)

Clayton and Lambert Manufacturing Company. (See Lambert, Charles F., assignor.)

Clayton & Lambert Manufacturing Company. (See Overly, Clarence B., assignor.)

Clayton Mark & Company. (See Windsor, John F., assignor.)

Clayton, Martin M., Baden, Pa., assignor, by mesne assignments, to National Electric Products Corporation. Electrical socket. 1,845,480; Feb. 16.

Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation, New York, N. Y. Knockdown box. 1,860,832; May 31.

Clayton, Ralph R., Yorkville, Ill. Milk cooling apparatus. 1,892,097; Dec. 27.

Clayton, Robert, Overbrook, Pa., assignor of one-fourth to P. F. Sonnek, Woodhaven, N. Y. Refrigeration apparatus. 1,844,541; Feb. 9.

Clayton, Walter, Belmar, N. J. Animal trap. 1,871,157; Aug. 9.

Clayton, Walter C., Jenkintown, assignor to Pitcairn Aircraft, Inc., Philadelphia, Pa. Aircraft. 1,882,315; Oct. 11.

Clayton, Weaver R. (See Gerstmyer, W. A., and Clayton.)

Clayton, William F., Huntsville, assignor of one-third to W. E. James, Cullman, and one-third to N. F. James, Birmingham, Ala. Loom check. 1,842,714; Jan. 26.

Clayton, Edward M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,845,481; Feb. 16.

Clayton, Edward M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,845,489; Feb. 16.

Clayton, Edwin E., New York, N. Y., assignor to C. P. Mackie, Newark, N. J. Process and apparatus for mining. 1,851,565; Mar. 29.

Clean-Be-Twoen Toothbrush Corporation, The. (See Herget, Ben J., assignor.)

Clearfield Machine Company. (See McMurray, Walter E., assignor.)

Clear View Windshield Company, The. (See Rowe, Fred H., assignor.)

Clearwater, Edgar B., Chicago, Ill. Sanitary headrest for chairs. 1,891,110; Dec. 27.

Cleary, Walter D., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Moisture detector. 1,882,316; Oct. 11.

Cleaver, John C., Oregon, Ill. Heating system for tank cars. 1,866,544; July 12.

Cleaver, John M., Los Angeles, Calif. Dry concentration of ores. 1,846,184; Feb. 23.

Cleaver, John M., Los Angeles, Calif. Separation of materials. 1,869,797; Aug. 2.

Cleaver, William H. (See Livingston, S. M., and Cleaver.)

Cleaves, George C., Wollaston, assignor to Industrial Brush Company, Quincy, Mass. Brush. 1,860,572; May 31.

Cleeland, John S., Glendale, Calif. Sinker. 1,883,574; Oct. 18.

Clegg, Harry B., assignor to J. Clegg, Attleboro, Mass. Holder and support therefor. 1,855,009; Apr. 19.

Clegg, Joseph. (See Clegg, Harry B., assignor.)

Cleland, Ward W., Fort Wayne, Ind. Rotary internal combustion engine. 1,859,351; May 24.

Clem, Everett W. (See Kendall, G. H., Clem, Peterson, and Vedder.)

Clemence, Elliott, New York, N. Y., assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Attachment plug receptacle. 1,858,072; May 17.

Clemence, Elliott, New York, N. Y., assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Current tap with plural extensions. 1,875,219; Aug. 30.

Clemence, Le Roy W. (See Raiziss, G. W., and Clemence.)

Clemens, Emanuel, East Orange, N. J. Attachment for button making machines. 1,843,944; Feb. 9.

Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast distribution. 1,851,495; Mar. 29.

Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Wired broadcast distributing system. 1,869,356; Aug. 2.

Clement, Lewis M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System of space discharge tubes. 1,871,304; Aug. 9.

Clement, Louis E., Meudon, France, assignor to Eastman Kodak Company, Rochester, N. Y. Separation of cellulosic materials. 1,866,965; July 12.

Clements, Frank O., assignor to General Motors Research Corporation, Detroit, Mich. Crankcase with false bottom. 1,892,185; Dec. 27.

Clements, Wellington L., Norfolk, Va. Auxiliary seat and back rest. 1,882,485; Oct. 11.

Clements, Wellington L., Norfolk, Va. Body support. 1,891,747; Dec. 20.

Clemenson, Firm C. & S. (See Gullander, Nils H., assignor.)

Clemmensen, Erik, Newark, assignor to Mathieson Alkali Works, Inc., New York, N. Y. Making organic intermediates. 1,875,916; Sept. 6.

Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Ball cock body. Des. 87,620; Aug. 23.

Clemmons, Herbert D., assignor to Scovill Manufacturing Company. Ball cock body. Des. 87,621; Aug. 23.
Clemons, Frederick E., Indianapolis, Ind. Internal combustion engine. 1,839,832; Jan. 5.
Clench, William A., Los Angeles, Calif. Demountable vehicle wheel. 1,845,643; Feb. 23.
Clendening, Karl R., Cedar Rapids, Iowa. Broom. 1,842,896; Jan. 26.
Clerc, Reinhard. (See Schoetler, W., Jordan, and Clerc.)
Clergy, Louis, Des Moines, Iowa. Flash light gun. 1,844,006; Feb. 9.
Clergy, Louis, Des Moines, Iowa. Flash light gun. 1,844,007; Feb. 9.
Clerk, Verdrie F. (See Hoke, F., and Clark.)
Clerke, Augustus H. (See Hadfield, R. A., and Clerke.)
Cleveland A. C. Tube Manufacturing Company, The. (See Raus, John, assignor.)
Cleveland, Albert B., and S. W. Bailey, Hackleburg, Ala. Harrow. 1,860,623; May 31.
Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)
Cleveland Crane Manufacturing Company, The. (See Hengesbach, Leo J., assignor.)
Cleveland-Browning Company. (See James, Robert B., assignor.)
Cleveland, Charles H., C. A. Heinie, and J. A. Allison, Minneapolis, Minn. Tool for cutting grooves. 1,858,852; May 17.
Cleveland Clinic Foundation, The. (See Glasser, O., and Seitz, assignors.)
Cleveland Crane & Engineering Company, The. (See Heinle, Walter C., assignor.)
Cleveland Door Check & Manufacturing Company. (See Mitchell, Courtney M., assignor.)
Cleveland Folding Machine Company, The. (See Holms, Walter, assignor.)
Cleveland Folding Machine Company, The. (See Tufts, Leslie R., assignor.)
Cleveland Gas Meter Company, The. (See Knight, William H., assignor.)
Cleveland Graphite Bronze Company. (See Hopkins, B. F., and Palm, assignors.)
Cleveland Graphite Bronze Company, The. (See Johnson, Carl W., assignor.)
Cleveland Graphite Bronze Company, The. (See Klocke, William H., assignor.)
Cleveland Graphite Bronze Company, The. (See Stockfleth, Berger, assignor.)
Cleveland Heater Company, The. (See Craver, Albert F., assignor.)
Cleveland Heater Company, The. (See Doen, Loran F., assignor.)
Cleveland Heater Company, The. (See Friedman, Arthur, assignor.)
Cleveland Heater Company, The. (See Snow, Wallace J., assignor.)
Cleveland Heater Company, The. (See Te Pas, Edmund J., assignor.)
Cleveland Hobbing Machine Company. (See Adams, Frank H., assignor.)
Cleveland Implement Manufacturing Company, The. (See Hist, John, assignor.)
Cleveland, John M., Kansas City, Mo. Electric switch. 1,891,799; Dec. 20.
Cleveland Metal Hose Company. (See Phillips, Walter E., assignor.)
Cleveland Planer Company, The. (See Mesker, Louis H., assignor.)
Cleveland Pneumatic Tool Company, The. (See De Moey, John, assignor.)
Cleveland Pneumatic Tool Company. (See Greve, Louis W., assignor.)
Cleveland Pneumatic Tool Company. (See Wallace, John F., assignor.)
Cleveland Punch & Shear Works Company. (See Pardee, Robert J., assignor.)
Cleveland, Robert D., assignor to Taylor Instrument Companies, Rochester, N. Y. Vulcanizing system. 1,868,791; July 26.
Cleveland Rock Drill Company, The. (See Feucht, Albert, assignor.)
Cleveland Rock Drill Company, The. (See Greve, Louis W., assignor.)
Cleveland Rock Drill Company, The. (See Hafford, Daniel J., assignor.)
Cleveland Rock Drill Company, The. (See Oldham, Edward L., assignor.)
Cleveland Rock Drill Company, The. (See Rauberstrauch, George, assignor.)
Cleveland Rock Drill Company, The. (See Renfer, John E., assignor.)
Cleveland Rock Drill Company. (See Richardson, Led L., assignor.)
Cleveland Rock Drill Company. (See Slatcher, Alfred G., assignor.)
Cleveland, Roland L. (See Tark, M. B., and Cleveland.)
Cleveland Shock Absorber Company, The. (See Mallory, Bonnie L., assignor.)
Cleveland Steel Products Corporation, The. (See Braun, H. F., Laughlin, and Smith, assignors.)
Cleveland Steel Products Corporation, The. (See Smith, W. J., and Braun, assignors.)
Cleveland Stoker Company, The. (See Hinsch, Louis L., assignor.)
Cleveland Stoker Company, The. (See Hitchcock, Reuben, assignor.)
Cleveland Tractor Company, The. (See Heaslet, James G., assignor.)
Cleveland Tractor Company, The. (See Jones, George D., assignor.)
Cleveland Tractor Company, The. (See White, Rollin H., assignor.)
Cleveland Trust Company, The. (See Franquist, Gustave E., assignor.)
Cleveland Trust Company, The. (See Hartog, Stephen D., assignor.)
Cleveland Trust Company, The. (See Jardine, Frank, assignor.)
Cleveland Trust Company, trustee. (See Jardine, Frank, assignor.)
Cleveland Trust Company, The, trustee. (See Norton, Allen B., assignor.)
Cleveland Trust Company et al. (See Orr, William V.)
Cleveland Trust Company, The, et al., executors. (See Orr, William V.)
Cleveland Twist Drill Company, The. (See Emmons, Joseph V., assignor.)
Cleveland Twist Drill Company, The. (See Emmons, J. V., and Kutchenbrod, assignors.)
Cleveland Twist Drill Company, The. (See Githens, Thomas F., assignor.)
Cleveland Twist Drill Company, The. (See Githens, T. F., and Emmons, assignors.)
Cleveland Twist Drill Company, The. (See Randall, N., and Dillard, assignors.)
Cleveland Welding Company, The. (See Kranz, Harry W., assignor.)
Cleveland Welding Company, The. (See Kranz, H. W., Holden, and Bound, assignors.)
Cleveland Wheelbarrow & Mfg. Co., The. (See Tompkins, John E., assignor.)
Cleveland, William H., Wellington, Kans. Track rail gauge. 1,839,201; Jan. 5.
Cleveland, William H., and C. W. Bothe, Wellington, Kans. Erosion retarder for ditches. 1,849,323; Mar. 15.
Cleven, Louis. (See Berchtold, F. J., and Cleven.)
Clewley, Lula J., Burlington, Vt. Hospital device or appliance. 1,866,207; July 5.
Click, Walter E. (See Good, J. L., and Click.)
Clickner, Forest H., assignor to Endowment Foundation, New Brunswick, N. J. Preparing egg powder. 1,891,887; Dec. 20.
Cliff, William H., assignor to Terre Haute Boiler Works Company, Terre Haute, Ind. Steel boiler. 1,882,776; Oct. 18.
Clifford, Albert M. (See Sebrell, L. B., and Clifford.)
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber compound and preserving it. Re18,605; Sept. 20.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Deterioration inhibitor for rubber. Re18,607; Sept. 27.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making disulphides of mercaptothinzoles. 1,880,421; Oct. 4.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age-retarder. 1,849,822; Mar. 15.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Age resister for rubber compounds. 1,883,877; Oct. 25.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator for vulcanization. 1,883,878; Oct. 25.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacturing mercaptobenzothiazole. 1,891,198; Dec. 13.
Clifford, Bertram. (See Comfort, I., and Clifford.)
Clifford, Curtis T., San Francisco, Calif. Portable fire extinguisher and sprayer. 1,875,992; Sept. 6.
Clifford, Edward C., New York, N. Y. Mechanical water cooler. 1,882,120; Oct. 11.
Clifford, Gerald P., Falmouth, Me. Toothbrush. 1,840,384; Jan. 12.
Clifford, Harry. (See Salmon, R. D., and Clifford.)
Clifford, James J., Reading, Mass., assignor, by mesne assignments, to Stedfast Rubber Company, Inc. Leather substitute, base sheet material therefor and making the same. 1,863,469; June 14.
Clifford Manufacturing Co. (See Clifford, Walter B.)
Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
Clifford Manufacturing Co. (See Clifford, W. B., and Woods, assignors.)
Clifford, Paul A. (See Bonney, V. B., and Clifford.)
Clifford, Roger W., Schenectady, N. Y. Lateral motion device. 1,874,449; Aug. 30.
Clifford, Vernon J., London, England. Life guard or obstruction remover for motor road and other vehicles. 1,866,752; July 12.
Clifford, Walter B., Cambridge, Mass. Making bellows folds. 1,842,148; Jan. 19.
Clifford, Walter B., Cambridge, Mass. Forming bellows tubing. 1,842,149; Jan. 19.
Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Method and apparatus for exhausting and sealing metallic bellows. 1,848,319; Mar. 8.

Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Apparatus for production of bellows tubing. 1,880,184; Sept. 27.
Clifford, Walter B., Cambridge, assignor to Clifford Manufacturing Co., Boston, Mass. Apparatus for production of bellows tubing. 1,865,678; July 5.
Clifford, Walter B., Boston, and J. E. Woods, Brookline, assignors to Clifford Manufacturing Co., Boston, Mass. Steam trap. 1,842,657; Jan. 26.
Clifton, Amert A., Indianapolis, Ind. Front wheel drive unit. 1,861,294; June 7.
Clifton, Enoch, and W. J. Cooper, Portland, Oreg. Retort. 1,867,877; July 19.
Clifton Manufacturing Co. (See Crow, Lawrence M., assignor.)
Climax Engineering Company. (See Alexander, R. L., and McCallum, assignors.)
Climax Engineering Company, The. (See Mallory, Edward B., assignor.)
Climax Engineering Company. (See Staley, A. C., and Waters, assignors.)
Climax Engineering Company. (See Waters, Harry H., assignor.)
Climax Engineering Company, The. (See Wishart, H. W., and Alexander, assignors.)
Climax Motorenwerke und Schiffswerft Linz A. G. (See Mandler, Eugen, assignor.)
Clinch, Duncan L. (See Milar, K. A., and Clinch.)
Cline, Allan J. (See McCleery, Harold L., assignor.)
Cline, Allan J., Chicago, Ill. Web tension device. 1,868,310; July 19.
Cline, Allan J., Chicago, Ill. Driving mechanism for printing press. 1,877,387; Sept. 13.
Cline, Earl E. (See Holmes, E. W., and Cline.)
Cline Electric Manufacturing Company. (See Hollander, Jacob A., assignor.)
Cline, Luther V., San Diego, Calif. Foldable and adjustable sawhorse. 1,842,012; Jan. 19.
Cline, Max, Glens Falls, and R. A. Masten, South Glens Falls, assignors to International Paper Company, New York, N. Y. Mulch paper and making same. 1,846,185; Feb. 23.
Cline, Max, Glens Falls, and R. A. Masten, South Glens Falls, assignors to International Paper Company, New York, N. Y. Mulch paper and making same. 1,846,186; Feb. 23.
Clingestein, Heinrich, Cologne-on-the-Rhine, P. Zervas, Cologne-Mulheim and H. Schweicher, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool azodyestuffs. 1,846,858; Jan. 19.
Clingestein, Heinrich, Cologne-on-the-Rhine, and P. Zervas, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Valuable acid wool azodyestuffs. 1,844,021; Feb. 9.
Clingingsmith, James P., and A. J. Smith, Nocona, Tex. Automatic Valve. 1,865,886; July 5.
Clinical Development Laboratories, Inc. (See Nichols, Horace E., assignor.)
Clinical Supplies, Incorporated. (See Ziegler, Charles E., assignor.)
Clinkscales, John W., jr., Braman, and F. C. Cutting, Tulsa, Okla., assignors to Shell Petroleum Corporation. Gauging device. 1,858,579; May 17.
Clinton Corn Syrup Refining Company. (See Corson, G. E., and Bryant, assignors.)
Clinton, Harry D., Johnson City, N. Y. Warping spool. 1,852,953; Apr. 5.
Clinton, Harry D., Johnson City, N. Y. Warping spool. 1,868,261; July 19.
Clinton, Harry D., Johnson City, N. Y. Tension device. 1,880,810; Oct. 4.
Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
Clipsham, Kenneth M. (See Jackson, M. B., and Clipsham.)
Clot Closet Moth Proofer, Inc. (See Kliot, Hyman, assignor.)
Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
Clizbe, Floyd O., Chicago, Ill. Electromagnetic brake. 1,868,968; July 26.
Clocker, Archie, and G. F. MacFarlane, Wilkes-Barre, Pa. Spinning machine equipment. 1,892,098; Dec. 27.
Clohecy, Leon G., Wauwatosa, assignor of one-third to G. G. Brumder and one-third to W. C. Mayer, Milwaukee, Wis. Variable speed transmission. 1,879,921; Sept 27.
Cloninger, William M., Ponca City, Okla. Locomotive headlight. 1,845,399; Feb. 16.
Clopper, Ralph, Dayton, Ohio. Renewing windshield glasses and an implement used in the practice of the method. 1,863,897; June 21.
Close, Ford C., New York, N. Y., assignor to Decorative Development, Inc., Brooklyn, N. Y. Imitation leather. 1,846,630; Feb. 23.
Close, Francis A., assignor, by mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio. Tile construction. 1,845,482; Feb. 16.
Close, William E. (See Ott, J. E., and Close.)
Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
Cloud, Loel, Rushville, Ind. Tractor wheel. 1,852,954; Apr. 5.
Cloud, Orval S., Kemblesville, Pa. Lawn mower. 1,868,347; July 19.
Cloud, Raymond T., assignor to Orchestraphone Company, Chicago, Ill. Electric governor. 1,855,703; Apr. 26.
Cloud, Raymond T., assignor to Orchestraphone Company, Chicago, Ill. Electrical reproducer. 1,864,890; June 28.
Clough, Alfred N., Englewood, assignor of two-thirds to F. H. Hamilton and H. J. Hickey, Los Angeles, Calif. Control device for oil or gas well. 1,851,894; Mar. 29.
Clouse, Bruno J., Bakersfield, Calif. Overshot. 1,860,016; May 24.
Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Feeding mechanism for metal working machines. 1,856,027; Apr. 26.
Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Blank cut-off and carry-over. 1,856,028; Apr. 26.
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Clove, Jacob, Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Pick-up. 1,891,748; Dec. 20.
Clow, James B., & Sons. (See Kurtz, Ralph W., assignor.)
Clowe & Cowan, Inc. (See Barnick, Alois E., assignor.)
Cluett, Peabody & Co. (See Almond, Lester L., assignor.)
Cluett, Peabody & Co. (See Kennedy, Richard O., assignor.)
Cluett, Peabody & Co. (See Kennedy, Richard O., assignor.)
Cluett, Sanford L., Troy, N. Y. Shrinking fabrics. 1,861,422; May 31.
Cluett, Sanford L., Troy, N. Y. Cloth-finishing. 1,861,423; May 31.
Cluett, Sanford L., Troy, N. Y. Cloth-finishing. 1,861,424; May 31.
Clum Manufacturing Company. (See Pease, Frederick J. and H. L., assignors.)
Clum Manufacturing Company. (See Sinner, Emil, assignor.)
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Cluny, Russell P., New London, Conn. Outlet box support. 1,852,263; Apr. 12.
Cluss, Bernhard, Nutley, N. J. Bean cutting device. 1,887,921; Nov. 15.
Clute, Harvey D., Rocky Ford, Colo. Vegetable grading machine. 1,875,562; Sept. 6.
Clute, Harvey D., Rocky Ford, Colo. Elevator. 1,890,562; Dec. 13.
Clutter, Floyd, Pukwana, S. Dak. Poultry feeder. 1,849,908; Mar. 15.
Clyde Iron Works. (See McGiffert, John R., assignor.)
Clyde Iron Works. (See McGiffert, J. R., and Berby, assignors.)
Clymer Manufacturing Company, The. (See Walker, John D., assignor.)
Clynch, Edward J., Dowagiac, Mich. Gas furnace. 1,862,660; June 14.
Clyne, Cecil D., assignor to International Precipitation Company, Los Angeles, Calif. Making collecting electrodes for electrical precipitators. 1,880,811; Oct. 4.
Clyne, Robert G., St. Louis, Mo., and Clyne.)
Clyne, Robert G., St. Louis, Mo., assignor to Western Cartridge Company, East Alton, Ill. Shot shell. 1,842,445; Jan. 26.
Clyne, Robert G., St. Louis, Mo., assignor to Western Cartridge Company, East Alton, Ill. Method and apparatus for cutting sheet. 1,874,902; Aug. 30.
Clyne, Robert G., St. Louis, Mo., assignor to Western Cartridge Company, East Alton, Ill. Shot shell and loading the same. 1,883,375; Oct. 18.
Coadon, Marcel, Trebeurden, France. Automobile body. 1,868,382; July 19.
Coahran, Jesse M., Colegrove, Pa. Apparatus for extracting chemicals from solutions. 1,845,128; Feb. 16.
Coahran, Jesse M., Smethport, Pa. Extractor column having a liquid level regulator. 1,845,129; Feb. 16.
Coahran, Jesse M., Smethport, Pa. Method of and apparatus for continuously recovering and concentrating chemicals. 1,865,887; July 5.
Coahran, Jesse M., Smethport, Pa., assignor to Olean Sales Corporation, Olean, N. Y. Extraction or other countercurrent treatment. 1,870,834; Aug. 9.
Coakley, Walter C., Spokane, Wash., assignor, by mesne assignments, to Dodge Steel Company, New York, N. Y. Water heater. 1,845,581; Feb. 16.
Coal Carbonization Company. (See McQuade, James D., assignor.)
Coale Muffler & Safety Valve Company, The. (See Morrison, Bartholomew J., assignor.)
Coals and Chemicals Ltd. (See Trumble, Milon J., assignor.)
Coatalen, Louis, Wolverhampton, England. Fuel admission valve for internal combustion engines. 1,849,050; Mar. 8.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Shock absorbing handle. 1,868,626; July 26.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Shock absorbing handle. 1,868,627; July 26.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Power tool and handle therefor. 1,868,628; July 26.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Power hammer. 1,888,790; Nov. 22.

Coates, Frederick, assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Method for the manufacture of lead beaded nails. 1,866,878; July 12.
Coates, John F., Miami, Fla. Picture and frame construction. 1,865,888; July 5.
Coates, Ray G., Pasadena, Calif. Operating mechanism for motor car clutches. 1,839,833; Jan. 5.
Coates, Ray G., Pasadena, Calif. Mechanism for operating clutches and brakes. 1,851,274; Mar. 29.
Coates, Ray G., Pasadena, Calif. Control mechanism for motor cars. 1,887,231; Nov. 8.
Coates, Roy N., Seattle, Wash. Electric steam boiler. 1,874,244; Aug. 30.
Coats, George S., Visalia, Calif. Deep-well turbine pump. 1,874,450; Aug. 30.
Contsworth, Frank E., Chicago, Ill. Apparatus and method for treating fabrics. 1,881,310; Oct. 4.
Cobb, Alton E., Los Angeles, Calif. Flush tank. 1,850,447; Mar. 22.
Cobb, Charles, jr., Marshall, Tex. Casting car wheels. 1,871,586; Aug. 16.
Cobb, Charles H., Newton, assignor to Filing Bureau, Incorporated, Boston, Mass. Index. 1,871,840; Aug. 16.
Cobb, Cully A., Atlanta, Ga. Feeding mechanism. 1,849,568; Mar. 15.
Cobb, Eugene A., Lynn, assignor to W. J. Sugden, Boston, Mass. Refrigeration apparatus. 1,851,239; Mar. 29.
Cobb, Frederick G., Lawrence, S. D., assignor to Veeder-Root Incorporated. Controlling and indicating mechanism for looms. 1,872,893; Aug. 23.
Cobb, Harry C., Providence, R. I., assignor to Revere Rubber Company, Chelsea, Mass. Making wheels. 1,870,986; Aug. 9.
Cobb, James F., Portland, Oreg. Dry kiln. 1,891,060; Dec. 13.
Cobb, J. Forrest, Portland, Oreg., assignor to Moore Dry Kiln Company. Progressive drying kiln. 1,845,398; Feb. 16.
Cobb, Perez N., sr., Hermosa Beach, Calif. Emergency brake and ignition and starter control. 1,859,328; May 24.
Cobb, Richard H., Cleveland, Ohio. Finger supported blotter. 1,885,576; Oct. 18.
Cobb, Roy L., Spencer, Iowa. Sheet metal casket box. 1,871,453; Aug. 16.
Cobb, Roy L., Spencer, Iowa. Collapsible container. 1,883,077; Oct. 18.
Cobbs, Ansalem O., Des Moines, Iowa. Identification or certificate holder. 1,840,022; Jan. 5.
Cobbs, Ansalem O., Des Moines, Iowa. Certificate holder. 1,844,311; Feb. 9.
Cobello, Joseph F., assignor of one-third to Albert H. Friedman, one-third to Norman Friedman, and one-third to Joseph F. Cobello, Philadelphia, Pa. Application for collapsible reservoirs. 1,890,599; Dec. 13.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Diverting jet cutting tip for cutting torches. 1,839,646; Jan. 5.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Apparatus for handling pipe. 1,861,113; May 31.
Coberly, Clarence J., and E. S. Croasdale, Los Angeles, assignors to Kobe Inc., Huntington Park, Calif. Take-up device for flexible conductors. 1,864,891; June 28.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Cutting torch structure. 1,872,408; Aug. 16.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Torch tip. 1,872,409; Aug. 16.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Controlling scale in gas cutting of metals. 1,872,410; Aug. 16.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Torch tip with deflectors. 1,872,411; Aug. 16.
Cobe, Roy L., Shelton, Wash. Saw guide. 1,889,464; Nov. 29.
Cobleu, George E. (See Morris, Albert W., assignor.)
Coburn, Henry J., Bode, Iowa. Tractor wheel. 1,876,488; Sept. 6.
Coby, George, and E. Kauer, assignors to C. E. Manufacturing Co., Providence, R. I. Stem making machine. 1,846,025; Feb. 23.
Coca-Cola Company, The. (See Mitchell, George L., assignor.)
Coca-Cola Company, The. (See Staton, John C., assignor.)
Coca-Cola Company, The. (See Vassos, John, assignor.)
Cochran, Louis, Veterans Home, Calif. Ventilator. 1,880,812; Oct. 4.
Cochran, Barclay S. (See Buckbee, C. E., Cochran, and Johnson.)
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,849,043; Feb. 16.
Cochran, Clyde E., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,879,096; Sept. 27.
Cochran, Joseph T., Chicago, Ill. Sign character. 1,885,991; Nov. 1.
Cochran, Ralf S., assignor to Surface Combustion Corporation, Toledo, Ohio. Walking beam conveyer. 1,883,768; Oct. 18.
Cochrane-Bly Company. (See Welch, William H., assignor.)
Cochrane Corporation. (See Fowler, Joseph B., assignor.)
Cochrane Corporation. (See Gibson, George H., assignor.)
Cochrane Corporation. (See Gibson, G. H., and Mitchell, assignors.)
Cochrane Corporation. (See Lyon, Percy S., assignor.)
Cochrane Corporation. (See Patterson, Franklin M., assignor.)
Cochrane Corporation. (See Powell, James A., assignor.)
Cochrane Corporation. (See Wagner, F., and Mitchell, assignors.)
Cochrane, John D., jr., assignor to The Formica Insulation Company, Cincinnati, Ohio. Decorated laminated product and manufacture. 1,863,239; June 14.
Cockle, James R., Elizabeth, N. J. Collapsible display device. 1,872,682; Aug. 23.
Cocklin, Lewis A., Griswold, Iowa. Liquid fuel burner. 1,852,290; Apr. 5.
Cocklin, Lewis A., Griswold, Iowa. Liquid fuel burner. 1,852,291; Apr. 5.
Cocklin, Lewis A., Griswold, Iowa. Liquid fuel burner. 1,852,292; Apr. 5.
Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control circuit for vapor electric discharge devices. 1,867,398; July 12.
Cocks, Edgar, Los Angeles, Calif. Folding bed end attaching device. 1,885,511; Nov. 1.
Cocks, Edgar, assignor to Los Angeles Wall Bed Company, Los Angeles, Calif. Door bed. 1,854,249; Apr. 19.
Cocks, Harry, Cardiff, Wales. Ship's hatch cover. 1,864,232; June 21.
Cocks, Harry J., assignor to Metal Products Company, Des Moines, Iowa. Hanger for hats, garments, and the like. 1,860,264; May 31.
Cocksedge, Frederick M., Rugby, England, assignor to General Electric Company. Adjustable mounting. 1,852,804; Apr. 5.
Cocksedge, Herbert E., Hartford, assignor to Imperial Chemical Industries Limited, London, England. Crystal growth. 1,845,780; Feb. 16.
Coco, Biagio A. (See Condorelli, P., and Coco.)
Coco, Joseph, Ozone Park, N. Y. Door saddle. 1,890,672; Dec. 13.
Cod, Ambrose, Spokane, Wash. Wheel. 1,887,544; Nov. 15.
Coddington, Edmond D., East Cleveland, assignor to The Forsstedt Plating & Mfg. Company, Cleveland, Ohio. Toaster or similar article. Des. 88,221; Nov. 8.
Code, George A., Detroit, Mich., assignor to E. E. Stevens, I. E. Pitman, M. D. Code, Overshire, and W. C. Baker, trustees. Producing steel. 1,850,381; Mar. 22.
Code, Mark R., et al., trustees. (See Code, George A., assignors.)
Codney, Arthur O., assignor to Willard Storage Battery Company, Cleveland, Ohio. Spray preventer for storage batteries. 1,844,499; Feb. 9.
Codrington, George W., Lakewood, Ohio. Reversing starter means for internal combustion engines. 1,844,543; Feb. 9.
Codrington, George W., Lakewood, Ohio. Fuel injection means for internal combustion engines. 1,852,201; Apr. 5.
Codrington, George W., Lakewood, Ohio. Fuel injection means for internal combustion engines. 1,871,444; Aug. 16.
Codwise, Philip W., Kenmore, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Laminated wall board. 1,843,915; Feb. 9.
Codwise, Philip W., Kenmore, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Felt. 1,857,432; May 10.
Codwise, Philip W., Kenmore, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Felt. 1,857,433; May 10.
Cody, Clifford S., Sharon Hill, B. A. Davis, Pittsburgh, and D. J. Mossbart, Lansdowne, Pa., assignors to Westinghouse Electric and Manufacturing Company. Ash disposal apparatus. 1,885,578; Oct. 18.
Cody, James M., and J. E. Rhodes, Seattle, Wash. Combined clock and burglar alarm. 1,865,743; July 5.
Cody, Marie D., Frostproof, Fla. Fruit juice extractor. 1,882,065; Oct. 11.
Cody, Marie D., Frostproof, Fla. Fruit juice extractor. 1,889,883; Dec. 6.
Coe, Frank S. (See Curtis, L. F., and Coe.)
Coe, George B., Waterbury, Conn., assignor, by mesne assignments, to Tube Reducing Corporation, Wilmington, Del. Apparatus for reducing metal stock. 1,865,304; June 28.
Coe, George B., Waterbury, Conn., assignor to Tube Reducing Corporation, Wilmington, Del. Method and apparatus for working metal. 1,890,803; Dec. 13.
Coe, Harrison S., Palo Alto, Calif. Filter method and apparatus. 1,836,357; May 17.
Coe, Harrison S., La Cygne, Kans. Decantation apparatus. 1,870,441; Aug. 9.
Coe, Harrison S., Palo Alto, assignor to Merco Centrifugal Separator Co., Ltd., San Francisco, Calif. Centrifuge method and apparatus. 1,847,751; Mar. 1.
Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Rolling mill housing. 1,875,220; Aug. 30.
Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Rolling mill. 1,887,870; Nov. 15.

Coe Laboratories, Inc. (See Thompson, Nat, assignor.)
Coe Manufacturing Company, The. (See Lockhart, J., and Moore, assignors.)
Coe Manufacturing Company, The. (See Moore, Richard C., assignor.)
Coe, Mayne R., Washington, D. C., dedicated to the free use of the Government and the Public. Preserving oil bearing commodities. 1,850,813; Oct. 4.
Coe, Paul E., New Orleans, La. Battery terminal clamp. 1,872,683; Aug. 23.
Coelho, Manuel T., Redwood City, Calif. Sprinkler and lawn sweeper. 1,877,388; Sept. 13.
Coen Companies. (See Zoul, Charles V., assignor.)
Coen Company. (See Sherwood, Carlyle J., assignor.)
Coen Company. (See Voorhees, Joseph T., assignor.)
Coeur d'Alene Hardware and Foundry Company. (See Zeigler, William L., assignor.)
Coezene Company, The. (See Goddard, Lester J., assignor.)
Coffaro, John S., Brooklyn, N. Y., assignor, by mesne assignments, to Consolidated Macaroni Machine Corporation. Conveyer for preliminary drying of short macaroni. 1,888,308; Nov. 22.
Coffee, Cyrus E. (See Crockett, Thomas E., assignor.)
Coffee, Cyrus E. (See Klingler, L. R., and Coffee.)
Coffey, Irven B., Playa del Rey, Calif. Battery cell hoist. 1,856,621; May 3.
Coffey, Irven E., Santa Ana, Calif. Storage battery inspection lamp. 1,879,009; Sept. 27.
Coffey, Irven E., Santa Ana, Calif. Luminous indicator for electrical apparatus. 1,879,008; Sept. 27.
Coffey, Irving E., Playa Del Rey, Calif. Battery terminal puller. 1,879,099; Sept. 27.
Coffey, James R. (See Lissauer, A. W., and Coffey.)
Coffey, Joseph B., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for finishing the edges of sheet material. 1,855,322; Apr. 26.
Coffey, John B., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge finishing machine. 1,886,870; Nov. 8.
Coffey, Joseph M., Schenectady, N. Y., assignor to Mica Insulator Company, New York, N. Y. Composite insulating material. 1,857,586; May 10.
Coffey, Joseph M., H. H. Moss, and J. J. Pickney, Schenectady, assignors to Mica Insulator Company, New York, N. Y. Process of mica splitting and machine therefor. 1,870,835; Aug. 9.
Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Mechanical load brake. 1,868,792; July 26.
Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Foundry ladle. 1,873,549; Aug. 23.
Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Car chain. 1,874,905; Aug. 30.
Coffey, Samuel. (See Birchall, T., and Coffey.)
Coffey, Samuel, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Manufacture of triarylcarbinols. 1,873,290; Aug. 23.
Coffield, James L., Dayton, Ohio. Fire extinguisher. 1,847,013; Nov. 8.
Coffin, George M., Hinsdale, Ill. Fish lure. 1,888,221; Nov. 22.
Coffing, Frederick W., Perrysville, Ind. Auxiliary cross arm pole clamp. 1,849,789; Mar. 15.
Coffing, Frederick W., Perrysville, Ind. Automatic reverse ratcheting hoist. 1,862,331; June 7.
Coffing, Frederick W., Danville, Ill. Collapsible handle. 1,870,403; Aug. 9.
Coffman, Alden W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Protective metal article and making the same. 1,862,332; June 7.
Coffman, Charles M., Gallipolis, Ohio. Carrying strap or harness. 1,846,849; Feb. 23.
Coffman, Floyd L. (See Sager, R. J., and Coffman.)
Coffman, Lily O., et al. (See Coffman, Samuel M., assignor.)
Coffman, Roscoe A., Hollywood, Calif. Propeller hub and lock. 1,843,206; Feb. 2.
Coffman, Samuel M., assignor of one-sixth to A. H. Reed, one-third to C. N. Turner, and one-sixth to L. O. Coffman, Kansas City, Mo. Aerial delivery apparatus. 1,843,597; Feb. 2.
Coffman, Samuel M., Kansas City, Mo., assignor to National Postage Machines Co. Ltd., Reno, Nev. Vending machine. 1,855,890; May 3.
Coffman, Samuel M., Kansas City, Mo., assignor to National Postage Machines Co. Ltd., Reno, Nev. Combination vending, change making, and coin distributing machine. 1,855,891; May 3.
Cofrin, Austin E., Green Bay, Wis. Napkin dispenser. 1,853,407; Apr. 12.
Cofrin, Austin E., Green Bay, Wis. Process and machine for producing wadding material. 1,874,451; Aug. 30.
Coggin, Ony L., assignor to National Rubber Machinery Company, Akron, Ohio. Template cutting machine. 1,844,032; Feb. 9.
Coghlan, Thomas G., Elizabeth, N. J. Slag tapping and disposal apparatus. 1,868,694; July 26.
Coghlan, Thomas M., Kankakee, Ill. Pillow. 1,846,312; Feb. 23.
Cogswell, Alexander G., Chipping Sodbury, England. Apparatus for folding paper, inserting it in envelopes, tucking in the flap or sealing the envelope, and stamping them. 1,866,452; July 5.
Cogswell, Alexander G., Chipping Sodbury, England. Sheet feeding mechanism. 1,866,453; July 5.
Cogswell, Richard D., Millbourne, Pa. Burial vault. 1,856,908; May 3.
Cohan, Henry. (See Seidman, H., and Cohan.)
Cohan, Morris J., Brooklyn, assignor to Reliance Specialties Mfg. Co., Inc., New York, N. Y. Traveling advertising sign. 1,869,465; Aug. 2.
Cohan, Morris J., Brooklyn, assignor to Reliance Specialties Mfg. Co., Inc., New York, N. Y. Container for moving advertising signs and the like. 1,890,090; Dec. 13.
Cohee, Charles C., Indianapolis, Ind. Device for reducing carbon monoxide in hydrocarbon engines. 1,872,411; Aug. 16.
Cohen, Cecelia H., Brooklyn, N. Y. Sample display tab. 1,856,375; May 3.
Cohen, David, Brooklyn, N. Y. Ventilated shoe. 1,890,433; Dec. 6.
Cohen, Harry H., et al. (See Greenlee, Eli M., assignor.)
Cohen, Issakhar, assignor to S. Bonez, New York, N. Y. Sewing thread. 1,854,292; Apr. 19.
Cohen, Jacob. (See Goldman, I., and Cohen.)
Cohen, Jacob G., New York, N. Y. Game device. 1,866,545; July 12.
Cohen, Joseph E., assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Safety device for motion picture projecting machines. 1,873,738; Aug. 23.
Cohen, Joseph E. and J. F. Adams, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Operating mechanism for fire prevention apparatus. 1,842,658; Jan. 26.
Cohen, Joseph E., and H. Godoy, Philadelphia, Pa., and R. Miehling, New York, N. Y., assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Combined motion picture projector and sound reproducing machine. 1,869,882; Aug. 2.
Cohen, Joseph H., Bridgeport, Conn. Fender apron. Des. 87,622; Apr. 19.
Cohen, Joseph H., Bridgeport, Conn. Fender apron. Des. 87,623; Aug. 23.
Cohen, Joseph H., Bridgeport, Conn. Combined ash receiver and cigar lighter. Des. 88,340; Nov. 22.
Cohen, Joseph H., Bridgeport, Conn. Ash receptacle. 1,850,380; Feb. 16.
Cohen, Joseph H., Bridgeport, Conn. Ash receiver for motor vehicles. 1,862,661; June 14.
Cohen, Louis. (See Blair, W. R., and Cohen.)
Cohen, Louis, Washington, D. C. Radio signaling. 1,854,448; Apr. 19.
Cohen, Louis, Washington, D. C. Radio signaling. 1,857,359; May 10.
Cohen, Louis, Washington, D. C. Radio signaling. 1,872,246; Aug. 16.
Cohen, Louis, Washington, D. C. Radio signaling. 1,882,064; Oct. 11.
Cohen, Louis L., Highland Park, assignor to Equipment Specialties Company, Chicago, Ill. Refrigerator car. 1,866,085; July 5.
Cohen, Max. (See Schulman, C. H., and Cohen.)
Cohen, Ralph, assignor to Perfection Steel Body Co., Galion, Ohio. Burial vault. Des. 87,329; July 12.
Cohen, Ralph, assignor to Perfection Steel Body Co., Galion, Ohio. Burial vault. Des. 87,561; Aug. 16.
Cohen, Sadie. (See Cohn, Eugene and H., assignors.)
Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Variable condenser. 1,855,940; Apr. 26.
Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Variable condenser. 1,883,579; Oct. 18.
Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Radio receiving system. 1,883,580; Oct. 18.
Cohen-Venezian, Carlo, Turin, Italy. Aerial vehicle. 1,867,173; Mar. 1.
Cohen-Venezian, Carlo, Turin, Italy. Crane. 1,877,373; Sept. 13.
Cohen-Venezian, Carlo, Turin, Italy. Vehicle. 1,886,319; Nov. 1.
Cohen-Venezian, Carlo, Turin, Italy. Aerofoil-carrying raft. 1,889,350; Nov. 29.
Cohill, Thomas, et al. (See Johnson, Mark E., assignor.)
Cohn, Adolph, North Bergen, N. J. Safety-razor blade sharpener. 1,885,082; Oct. 25.
Cohn, Alfred, Charlottenburg, and W. Herden, Hermsdorf, Germany, assignor to General Electric Company. Electrical switching apparatus. 1,887,545; Nov. 15.
Cohn, Benjamin, Hartford, Conn. Medallion. Des. 87,661; Aug. 30.
Cohn-Byk, Walter, Berlin, and A. von Pap, Charlottenburg, Germany, assignors to General Electric Company. Bimetallic thermostat. 1,864,483; June 21.
Cohn, Eugene and H., assignors to Sadie Cohen, Chicago, Ill. Dry vapor spray. 1,857,230; May 10.
Cohn, Harold. (See Cohn, Eugene and H.)
Cohn, Herman, Baltimore, Md. Garment clasp. 1,839,739; Jan. 5.
Cohn, Leonard B. (See Gragg, F. E., and Cohn.)
Cohn, Max M. (See Johnston, C. L., and Cohn.)
Cohn, T., Inc. (See Felsner, Richard, assignor.)
Cohoe Processes, Inc. (See Cohoe, Wallace, P., assignor.)
Cohoe, Wallace P., Riverdale-on-Hudson, assignor to Cohoe Processes, Inc., New York, N. Y. Machine for and method of dyeing cloth and otherwise treating textiles. 1,867,210; July 12.

Coil, Grover C. (See Ohmer, J. F., and Coil.)
Coil, Grover C. (See Wheelbarger, A. S., and Coil.
Coil, Otto, New Washington Court House, Ohio. Check head. 1,881,261; Oct. 4.
Colabresse, Francesco, Albert, W. Va. Combined gasket and protector for carbide lamps. 1,863,470; June 14.
Colnizzi, John, Pittsburgh, Pa. Sanitary cleaning medium container. 1,863,477 · June 14.
Colnizzi, John, Pittsburgh, Pa. Bracketed container. 1,868,810; Oct. 4.
Colas, Joseph E., Paris, France. Self locking nut, washer, and the like. 1,852,919; Apr. 5.
Colas Roads Inc. (See Gabriel, L. G., and Blott, assignors.)
Colgan Company. (See Batcholts, Clinton, assignor.)
Colley, Miss, et al. (See Pat. Charles, assignor.)
Colbert, George F., Pittsburgh, and W. H. Colbert, Brackenridge, Pa., assignors to Liberty Mirror Works. Rear view mirror. 1,849,708; Mar. 15.
Colbert, William H. (See Colbert, George F. and W. H.)
Colbert, William H., Brackenridge, Pa., assignor to Duplex Construction. 1,885,282; Nov. 1.
Colberne Manufacturing Company. (See Smith, Dennis W., assignor.)
Colby, Allan B., Providence, R. I. Fastener. 1,879,100; Sept. 27.
Colby, Clarence H., Spokane, Wash. Display card holder. 1,885,835; July 19.
Colby, Edward A., Maplewood, N. J., assignor to Baker & Company, Inc. Electric annealing apparatus. 1,867,810; July 19.
Colby, Haldwell S., Wellsville, N. Y. Heat exchanger. 1,845,239; Feb. 16.
Colby, Ora A. (See Woodson, J. C., and Colby.)
Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Slot closure. 1,858,433; May 17.
Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Slot closure. 1,858,434; May 17.
Colby, Willis H., Hendersonville, N. C. Crossbow gun. 1,866,926; July 12.
Cold Metal Process Company, The. (See Lamb, Howard S., assignee.)
Cold Metal Process Company, The. (See Steckel, Abram P.)
Coldwell, John S., assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Roller skate. 1,857,360; May 10.
Cole, Albert H., assignor, by mesne assignments, to The Mutter Company, Chicago, Ill. Multiple winding device. 1,862,333; June 7.
Cole, Amos G., Burnham, assignor to Standard Steel Works Company, Philadelphia, Pa. Tire mold manufacture. 1,838,923; Dec. 29.
Cole, Arthur B., Caldwell, N. J. Radio receiving system. 1,889,172; Nov. 29.
Cole, Arthur M., assignor to General Findings & Supply Co., a Firm composed of E. F. Leach and S. H. Garner, Attleboro, Mass. Clasp. 1,861,263; May 31.
Cole, Arthur M., assignor to General Findings & Supply Co., Attleboro, Mass. Fastener. 1,892,422; Dec. 27.
Cole, Bernard T., Leicester, England. Knitting machine. 1,883,581; Oct. 18.
Cole, Charles M., South Weymouth, assignor to Wheeler Reflector Company, Boston, Mass. Film socket filler. 1,885,684; Nov. 1.
Cole, Charles S., Sandy Hook, Conn. Automatic firearm. 1,852,916; Apr. 5.
Cole, Clarence H., Washington, D. C. Lubricating system. 1,860,731; May 31.
Cole, Clarence H., U. S. Navy. Valve spring retaining device. 1,889,915; Dec. 6.
Cole, Dale S. (See Leece, B. M., and Cole.)
Cole, Dale S. (See Schindler, M. E., and Cole.)
Cole, Don. Evanston, Ill. Choke valve for carburetor. 1,872,412; Aug. 16.
Cole, Don, Chicago, assignor to Dooley Improvements, Inc., Rock Island, Ill. Lubricating system. 1,847,817; Mar. 1.
Cole, Edward P., Chicago, Ill. Incinerator. 1,878,110; Sept. 20.
Cole, Edward S., New York, N. Y. Ship's log or like device. 1,883,582; Oct. 18.
Cole, Edward S., New York, N. Y. Mounting for Pitot tube connections or rod meters. 1,883,583; Oct. 18.
Cole Electric Products Co. (See Cole, Louis W., assignor.)
Cole, Elmer K., Winterset, Iowa. Guy wire anchor device. 1,857,434; May 10.
Cole, Elmer K., Winterset, Iowa. Highway fence. 1,857,435; May 10.
Cole, Elmer K., Winterset, Iowa. Cable splice. 1,857,436; May 10.
Cole, Elmer K., Winterset, Iowa. Cable clamp. 1,857,437; May 10.
Cole, Elmer K., Winterset, Iowa. Cable end take-up fitting. 1,879,636; Sept. 27.
Cole, Elmer K., Winterset, Iowa, and F. E. Shumann, Easton, Pa. Offset bracket for guard rails. 1,883,879; Oct. 25.
Cole, Elmer K., Winterset, Iowa. Cable splice. 1,886,247; Nov. 1.
Cole, Eugene M., Charlotte, N. C. Cultivator attachment for tractors. 1,864,121; June 21.

Cole, Eugene M., Charlotte, N. C. Guano distributing attachment for tractor cultivators. 1,864,122; June 21.
Cole, Eugene R., Toledo, Ohio. Tool box or case. 1,877,496; Sept. 13.
Cole Folding Box Company, The. (See Cole, Harry E., assignor.)
Cole, Frank H., Walpole, Mass. Boiler tube cleaner. 1,874,452; Aug. 30.
Cole, Frank H., Chelsea, Mass. Boiler tube cleaner. 1,877,267; Sept. 13.
Cole, Fred B., assignor to Rotary Printing Company, Norwalk, Ohio. Paper delivery mechanism. 1,858,073; May 10.
Cole, Fred H., and M. Skau, assignors to Delta-Star Electric Company, Chicago, Ill. Unit type multistage auxiliary switch. 1,877,557; Sept. 13.
Cole, George H., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Street lighting fixture. 1,859,694; May 24.
Cole, George H., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,873,291; Aug. 23.
Cole, George W., Encanto, Calif. Sand washer. 1,850,535; Mar. 22.
Cole, Guerney H. (See Frey, A. A., and Cole.)
Cole, Guerney H., and J. S. High, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Sound producing device. 1,877,558; Sept. 13.
Cole, Guy M. (See Phillips, W. M., and Cole.)
Cole, Harry C., Philadelphia, Pa. Pressure gauge. 1,854,781; Apr. 19.
Cole, Harry C., Philadelphia, Pa. Spraying machine. 1,854,886; Apr. 19.
Cole, Harry C., Philadelphia, Pa. Spraying method and machine. 1,888,791; Nov. 22.
Cole, Harry E., assignor to The Cole Folding Box Company, Akron, Ohio. Folding box. 1,850,829; Mar. 22.
Cole, Harvey L., Chicago, Ill., assignor to Gleamtube, Inc. Illuminated sign or ornamental device. 1,839,534; Jan. 5.
Cole, Horace L. (See Mercereau, J. T., and Cole.)
Cole, Horace L., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer winding. 1,848,936; Mar. 8.
Cole, Horace L., W. M. Dann, and R. L. Brown, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Winding for electrical apparatus. 1,872,247; Aug. 16.
Cole, Horace L., Sharon, and H. H. Wagner, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Variable-reactance transformer. 1,873,824; Aug. 23.
Cole, Ira E. (See Kendall, Earl, assignor.)
Cole, Ira E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage limiter. 1,869,466; Aug. 2.
Cole, Ira L. (See Walker, G. H., and Cole.)
Cole, Irving V., Newark, N. J. Panel board structure. 1,884,466; Nov. 8.
Cole, Jacob L., Brave, Pa., assignor to Standard Oil Development Company. Dome cover for tank cars. 1,883,880; Oct. 25.
Cole, James R., Tulsa County, Okla. Stuffing box and packing therefor. 1,858,882; May 17.
Cole, James R., Tulsa County, Okla. Stuffing box and packing therefor. 1,877,268; Sept. 13.
Cole, John M., New York, N. Y. Speed responsive mechanism and vehicle signaling. 1,890,815; Oct. 4.
Cole, Laurel T., Los Angeles, Calif. Automobile service hand tool. 1,885,083; Oct. 25.
Cole, Lawrence E. (See Burkey, H. M., and Cole.)
Cole, Louis W., New York, assignor to Cole Electric Products Co., Inc., Long Island City, N. Y. Letter box construction. 1,874,696; Aug. 30.
Cole, Paul F., Springfield, Mo. X-ray apparatus. 1,887,801; Nov. 15.
Cole, Philip G., Irvington-on-the-Hudson, N. Y. Ice skate walker. 1,880,340; Oct. 4.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Fluid pressure operated steadyrest. 1,885,233; Nov. 1.
Cole, Robert M., Sandusky, Ohio. Apparatus for making dyes or the like. 1,880,816; Oct. 4.
Cole, Samuel L., Brooklyn, N. Y., assignor to Aerovox Wireless Corporation. Condenser. 1,873,548; Aug. 23.
Cole, Theodore S., New Haven, Conn. Battery recorder. 1,845,483; Feb. 16.
Cole, Theodore S., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. System of electrical distribution. 1,868,046; July 19.
Cole, William H., Abington, Mass. Insulator. 1,882,486; Oct. 11.
Cole, William P., Long Beach, Calif. Self guiding drilling bit. 1,869,843; Aug. 2.
Colella, Louis A., assignor of one-half to M. Shell, Detroit, Mich. Vehicle and mechanism for propelling the same. 1,876,859; Sept. 13.
Colella, Pasquale, Nahant, assignor to The Littleway Process Company, Boston, Mass. Making shoes. 1,847,235; Mar. 1.
Coleman, Abraham I., Baltimore, Md. Window shade fixture. 1,855,010; Apr. 19.

Coleman, Adney, Mount Gilead, Ohio. Rural mail box. 1,839,834 ; Jan. 5.
Coleman, Adney, Mount Gilead, Ohio. Mail box. 1,848,995 ; Mar. 8 ; Oct. 4.
Coleman, Alice M., executrix. (See Coleman, John F.)
Coleman, Arthur, Kansas City, Kans. Carburetor. 1,869,798 ; Aug. 2.
Coleman Brothers, Inc. (See Coleman, John F., assignor.)
Coleman Cauthers A., Ashland, Ky. Kiln. 1,891,469 ; Dec. 20.
Coleman, David, Chicago, Ill. Service compartment for doors. 1,846,817 ; Oct. 4.
Coleman, Edwin D., Barron, Wis. Method of and apparatus for the extraction of vegetable oils. 1,865,615 ; July 5.
Coleman, George, East Lynn, assignor to Gregory & Read Company, Lynn, Mass. Machine for cutting flexible material. 1,875,852 ; Sept. 6.
Coleman, George E., Walsenburg, Colo. Gun sight. 1,888,112 ; Nov. 15.
Coleman, Gerald H. (See Grether, E. F., and Coleman.)
Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. Method of separating ortho- and para-phenylphenols. 1,887,232 ; Nov. 8.
Coleman, Gerald H., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Preparation of primary aromatic amine hydrohalides of the benzine series. 1,878,675 ; Sept. 20.
Coleman, James A., Cleveland, Ohio. Vehicle washing apparatus. 1,879,101 ; Sept. 27.
Coleman, James B. (See Strickley, Arthur L., assignor.)
Coleman, James B. (See Weaver, Jerry M., assignor.)
Coleman, John A. (See Coleman, Stewart P. and J. A.)
Coleman, John F., deceased, Sharon ; A. M. Coleman, executrix, assignor to Coleman Brothers, Inc., Boston, Mass. Trash disposal plant. 1,850,989 ; Mar. 22.
Coleman, John P., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,873,853 ; Sept. 6.
Coleman Lamp and Stove Company, The. (See Coleman, William C., assignor.)
Coleman Lamp & Stove Company, The. (See Olds, Ambrose D., assignor.)
Coleman, Stephen R., Los Angeles, Calif. Check book cover fold and filler. 1,850,815 ; Oct. 4.
Coleman, Stewart P., Houston, Tex., assignor to Standard Oil Development Company. Treating crude oil. 1,877,611 ; Sept. 20.
Coleman, Stewart P., Houston, Tex., assignor to Standard Oil Development Company. Making naphthenic compounds. 1,880,647 ; Nov. 8.
Coleman, Stewart P. and J. A., Houston, Tex., assignors to Standard Oil Development Company. Water-soluble sludge acid and preparing the same. 1,892,650 ; Dec. 27.
Coleman, Thomas A., Carbondale, Pa. Gas burner. 1,863,100 ; June 14.
Coleman, Thomas E., assignor to Madison-Kipp Corporation, Madison, Wis. Lubrication. 1,862,255 ; June 7.
Coleman, William C., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Device for burning liquid fuels. 1,858,364 ; May 17.
Coleman, William F., assignor of one-half to R. Lamprecht, Portland, Oreg. Hot cake machine. 1,847,752 ; Mar. 1.
Coles, Clarence, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Football, basket ball, and the like. 1,870,604 ; Aug. 9.
Coles, Henry L. (See Lynn, H. H., and Coles.)
Coles, Henry L., assignor to Guardian Metals Company, Hamilton, Ohio. Ferrous alloys. 1,860,852 ; May 31.
Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Sprinkler. 1,864,892 ; June 28.
Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Irrigation device. 1,867,250 ; July 12.
Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Sprinkler. 1,871,258 ; Aug. 9.
Coley, Francis B., Westport, Conn., assignor, by mesne assignments, to The Interwoven Co., Inc., New York, N. Y. Application of liquid to filter cakes. 1,870,442 ; Aug. 9.
Coley, Samuel G. (See Flory, H. G., and Coley.)
Colf, Gerald M., Los Angeles, Calif. Pelt or fur stretcher. 1,892,137 ; Dec. 27.
Colfelt, Wilma M., Portland, Oreg. Writing pad for writing instruments. 1,868,441 ; July 19.
Colgate-Palmolive-Peet Company. (See Schwaute, Julius A., assignor.)
Colgren, Charles A., Bloomington, Ind. Stone milling machine. 1,877,269 ; Sept. 13.
Colin, David H. (See Wachs, B., and Colin.)
Colladay, Edward F. (See Clement, Edward E., assignor.)
Collar, George D., Glenside, assignor to H. Brinton Company, Philadelphia, Pa. Yarn changer. 1,883,337 ; Oct. 18.
Collard, John, Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Interference determining. 1,852,769 ; Apr. 5.
Collection Equipment Corporation. (See Howard, William S., assignor.)
Collender, Kelsey G. F., Johannesburg, Transvaal, Union of South Africa. Surgical splint for the arm. 1,860,995 ; May 31.
Collier, Merwin R., North Hollywood, Calif. Device for lifting and moving transformers. 1,870,097 ; Aug. 2.
Collet, les Fils D'Albert. (See Collet, P., and Loiseau, assignors.)
Collet, P., and R. Loiseau, assignors to les Fils D'Albert Collet, Paris, France. Method and device for laying and renewing railroad tracks. 1,847,818 ; Mar. 1.
Collett, Earl R., Pittsburgh, Pa. Necktie. 1,847,294 ; Mar. 1.
Collette, Paul E., assignor to The Oak Rubber Company, Ravenna, Ohio. Toy balloon. Des. 86,219 ; Feb. 16.
Colley, George F., Memphis, Tenn. Automatic spark retarder for automobiles. 1,871,360 ; Aug. 9.
Colley, Reuben N., Providence, R. I. Windshield wiper. 1,857,042 ; May 3.
Colley, Russell S. (See Law, O. B., Colley, and Soper.)
Colley, William C., Berkeley, Calif. Sloper mechanism. 1,887,117 ; Nov. 8.
Collier Advertising Service, Inc. (See Giles, Harvey, assignor.)
Collier, Charles S. et al., executors. (See Collier, Guy B.)
Collier, David H., Carbon, Ind. Clothespin. 1,868,726 ; July 26.
Collier, David R., assignor to Collier-Keyworth Company, Gardner, Mass. Chair. 1,849,073 ; Mar. 15.
Collier, David R., and H. W. Sheldrick, assignors to Collier-Keyworth Company, Gardner, Mass. Chair iron. 1,872,894 ; Aug. 23.
Collier, Elvira M. et al., executors. (See Collier, Guy B.)
Collier, Graydon W., administrator. (See Collier, John H.)
Collier, Guy B., deceased, Kinderhook, N. Y. ; C. S. Collier, Chevy Chase, Md., and Elvira B. Collier, New York, N. Y., executors. Rotary valve internal combustion motor. 1,842,823 ; Jan. 26.
Collier, John H., deceased, G. W. Collier, administrator, Anderson, Ind. Clothes hanger. 1,843,207 ; Feb. 2.
Collier-Keyworth Company. (See Collier, David R., assignor.)
Collier-Keyworth Company. (See Collier, D. R., and Sheldrick, assignors.)
Collier-Keyworth Company. (See Sheldrick, Henry W., assignor.)
Collier, Roy C., Sioux City, Iowa, assignor, by mesne assignments, to The Gabriel Kari-Keen Company. Combination automobile trunk and luggage carrier. 1,866,010 ; July 5.
Collier, William H., Jackson, Tenn. Antifreeze radiator for automobiles. 1,863,437 ; June 14.
Collier, William H., assignor to Pines Winterfront Company, Chicago, Ill. Circuit control device for automobiles. 1,861,175 ; May 31.
Collier, William R., Houston, Tex. Cotton gin. 1,862,884 ; June 14.
Colliflower, Chester, Terre Haute, Ind. Battery terminal and seal. 1,843,109 ; Feb. 2.
Colligan, Lillis H., New Haven, Conn. Heater. 1,880,238 ; Oct. 4.
Collignon, William C., Chicago, Ill. Foldable table. 1,885,685 ; Nov. 1.
Collins, Harry T., and J. R. Stewart, assignors to The Economy Manufacturers Company, Cincinnati, Ohio. Cheese cutter. 1,858,906 ; Apr. 26.
Collingbourne, Albert B., Elgin, Ill. Package of tape and sewing thread. Des. 87,508 ; Aug. 9.
Collingbourne, Albert B., Elgin, Ill. Sewing set package. Des. 87,509 ; Aug. 9.
Collingbourne, Albert B., Elgin, Ill. Combination box blank and cutout card. Des. 87,510 ; Aug. 9.
Collingbourne, Albert B., assignor to Collingbourne Mills Inc., Elgin, Ill. Display device. 1,842,072 ; Jan. 19.
Collingbourne Mills, Inc. (See Collingbourne, Albert B., assignor.)
Collinge, Edward B., Los Angeles, Calif. Combination trailer and semitrailer. 1,887,118 ; Nov. 8.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Separating magnesium and calcium chlorides. 1,843,760 ; Feb. 2.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Separating calcium chloride and magnesium chloride from mixed solutions thereof. 1,843,761 ; Feb. 2.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Separating calcium chloride and magnesium chloride from mixed solutions thereof. 1,843,867 ; Feb. 2.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of a composite sheet. 1,877,270 ; Sept. 13.
Collings, William R., and D. L. Gibb, assignors to The Dow Chemical Company, Midland, Mich. Article of manufacture. 1,867,071 ; July 12.
Collins, A. M., Manufacturing Co. (See Born, Harry, assignor.)
Collins & Aikman Corporation. (See Chance, Percival H., assignor.)
Collins & Aikman Corporation. (See Cheshire, William, assignor.)
Collins & Aikman Corporation. (See Drobile, Albert W., assignor.)

Collins, Anthony H., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Portable tool. 1,847,863; Mar. 1.

Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic drying oils and making them. 1,869,668; Aug. 2.

Collins, Arthur E., Cuyahoga Falls, Ohio, assignor, by mesne assignments, to The Miller Rubber Company, Inc., Wilmington, Del. Apparatus for applying reenforcing tapes to seams. 1,850,706; Mar. 22.

Collins, Arthur E., Cuyahoga Falls, Ohio, assignor, by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Ribbon feed mechanism. 1,852,801; Apr. 5.

Collins, Arthur E., Cuyahoga Falls, Ohio, assignor, by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Apparatus for making and applying rubber. 1,863,189; June 14.

Collins, Ashton B., Birmingham, Ala. Doll. Des. 88,399; Nov. 29.

Collins, Berry, assignor, by mesne assignments, to Sun Bath Company, Birmingham, Ala. Sun bath apparatus. 1,883,764; Oct. 18.

Collins, Charles B., San Francisco, Calif. Multiplying mechanism for calculating machines. 1,886,781; Nov. 8.

Collins, Charles D. (See Moss, L. R., and Collins.)

Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Gun type dusting apparatus. 1,854,449; Apr. 19.

Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Dusting apparatus. 1,855,938; Apr. 26.

Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Blower dusting apparatus. 1,872,028; Aug. 16.

Collins, Charles H. R., Liverpool, England. Apparatus for molding and curing footwear. 1,855,098; Apr. 19.

Collins, Cleveland E., Birmingham, Mich. Friction locking mechanism. 1,855,939; Apr. 26.

Collins, Douglas, Salisbury, N. C. Throttle and starter control mechanism. 1,862,006; June 7.

Collins, Douglas, Salisbury, N. C. Carburetor. 1,869,467; Aug. 2.

Collins, Douglas, Salisbury, N. C. Automatic choke. 1,883,331; Nov. 1.

Collins, Edward, Salisbury, N. C., assignor to Stewart-Warner Corporation, Chicago, Ill. Liquid fuel feeding system. 1,868,970; July 26.

Collins, Edward, San Diego, Calif., assignor, by mesne assignments, of one-eighth to F. F. Russell, Oakland, Calif., and seven-eighths to E. B. Anderson, Portland, Oreg. Therapeutic dispenser for volatile substances. 1,858,580; May 17.

Collins, George J., New York, N. Y. Hat protector. 1,880,819; Oct. 4.

Collins, George M. (See Modglin, Sheldon A., assignor.)

Collins, George R. (See Collins, T. B.)

Collins, George R., executor. (See Collins, Timothy B.)

Collins, J. N., Company. (See Kazanjian, Calvin K., assignor.)

Collins, J. N., Company. (See Pearce, Sidney, assignor.)

Collins, James F., Pittsburgh, Pa., assignor to W. F. Phillips, Collingswood, N. J. Nut lock. 1,845,958; Feb. 16.

Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Truck wheel dolly. 1,847,382; Mar. 1.

Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Spring testing device. 1,850,742; Mar. 22.

Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Machine for forming in and burning crank shaft bearings. 1,856,465; May 3.

Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Apparatus for locating noises in motor vehicles. 1,878,380; Sept. 20.

Collins, James R., Detroit, Mich. Indicator board. 1,844,945; Feb. 16.

Collins, Jeremiah J., Orange, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Protecting piles from erosion. 1,838,073; Nov. 15.

Collins, John J., New York, N. Y. Folding trunk. 1,879,102; Sept. 27.

Collins, John W., Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa. Mold. 1,887,497; Nov. 15.

Collins, Joseph P., Bakersfield, Calif. Flow control apparatus for wells. 1,876,621; Nov. 22.

Collins, Lawrence A., Long Beach, Calif. Electric vaporizer. 1,857,181; May 10.

Collins, Lawrence H., Santa Barbara, Calif. Stabilized foundation construction and erecting the same. 1,868,494; July 26.

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Unloading mechanism for compressors. 1,843,917; Feb. 9.

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Speed regulation of engines. 1,870,793; Aug. 9.

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Apparatus for the speed regulation of engines. 1,870,794; Aug. 9.

Collins, Murray A., Jersey City, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Underground conduit system. 1,861,436; June 7.

Collins, Odie O., Riverside, Calif. Fuel pump. 1,852,643; Apr. 5.

Collins, Raymond R., Newton, Mass., assignor to The Lummus Company. Method and apparatus for promoting contact. 1,868,958; July 26.

Collins, Robert G., St. Albans, N. Y. Window closing device. 1,885,183; Nov. 1.

Collins, T. B., also known as T. B. Collins, deceased, Daytona, Fla., by G. R. Collins, administrator, Kansas City, Mo. Speed boat and boat hull. Re18,340; Jan. 26.

Collins, Thomas, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Manufacturing return bends. 1,856,539; May 3.

Collins, Thomas L., Columbus, assignor to The Akron Truss Company, Akron, Ohio. Truss fitting table. 1,882,121; Oct. 11.

Collins, Timothy, assignor of one-half to A. W. Nash, Los Angeles, Calif. Plaster board stud and lock. 1,873,292; Aug. 23.

Collins, Timothy B. (See Collins, T. B.)

Collins, Timothy B., deceased, Daytona, Fla., by G. R. Collins, executor, Kansas City, Mo. Boat. 1,875,190; Aug. 30.

Collins, Victor L. (See Dodson, Sidney V., assignor.)

Collins, W. C. (See Opp, Fred W., assignor.)

Collins, William D., assignor to Hercules Products, Inc., Evansville, Ind. Automobile body. 1,841,240; Jan. 12.

Collins, William D., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator cabinet construction. 1,878,111; Sept. 20.

Collins, William G., Honolulu, Hawaii. Tube holder and dipper. 1,876,480; Sept. 6.

Collins, William O., Wellsville, Kans. Attachment for incubator. 1,891,800; Dec. 20.

Collins, William O., Seekonk, Mass. Twisting machine. 1,842,932; Jan. 26.

Collis, Meyer, Charleston, S. C. Dough leveling machine. 1,854,109; Apr. 12.

Collis, Raymond E. (See Carpenter, W. W., and Collis.)

Collison, Edward E., assignor to The Capehart Corporation, Fort Wayne, Ind. Flexible phonograph record holder. 1,885,418; Nov. 1.

Collison, William J., Bakersfield, Calif. Flushing device. 1,842,715; Jan. 26.

Colton, Albin M. M., Lyon, France. Warp stop motion for looms for weaving. 1,873,739; Aug. 23.

Colum, William B., Gainesville, Ga. Mechanism for trimming pickers. 1,872,2; Sept. 20.

Colman, Howard D. (See Anderson, Gotfried T., assignor.)

Colman, Howard D. (See Drake, George F., assignor.)

Colman, Howard D. (See Stewart, Duncan J., assignor.)

Colman, Howard D. (See Stewart, D. J., and Cummings, assignors.)

Colman, Howard D. (See Stewart, D. J., and Drake, assignors.)

Colman, Howard D., Rockford, Ill. Signaling apparatus. 1,844,205; Feb. 9.

Colman, Howard D., Rockford, Ill. Heat regulating system. 1,844,841; Feb. 9.

Colman, Howard D., Rockford, Ill. Thermostat. 1,875,369; Sept. 6.

Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Connected series of heddles. 1,848,869; Mar. 8.

Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Dressing device for grinding elements. 1,850,201; Mar. 22.

Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Machine for producing a connected series of heddles. 1,884,575; Oct. 25.

Colman, William A., and F. E. Randall, Xenia, Ill. Corn planter. 1,839,740; Jan. 5.

Colmer, William E. (See Chubb, G. C. P., Colmer, and Bannister.)

Colmeyer, Andrew J. (See Grau, H. E., and Colmeraner.)

Colomb, Henri, Tavennes, Switzerland. Attaching means for timepiece dials. 1,886,166; Nov. 1.

Colombara, Hans, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of new isatines. 1,856,210; May 3.

Colon, Charles S., Tulsa, Okla. Combination citrus fruit squeezer and food holder. 1,858,435; May 17.

Colon, John, assignor to George P. Schinzel, jr., New York, N. Y. Paper transfer file. 1,858,216; May 10.

Colonial Iron Works Company. (See Hoefen, Walter V., assignor.)

Colonial Steel Company. (See Nimick, Francis B., assignor.)

Colonial Tool Company. (See Lundell, Otto, assignor.)

Colony, Myron W. (See Beardsley, B. W., and Colony.)

Colorado Beet Harvester Company, The. (See Bright, John W., assignor.)

Colorado Fuel and Iron Company, The. (See Campbell, Calvin, assignor.)

Colorcraft Corporation. (See Peck, William H., assignor.)

Colorfilm Corporation. (See Schustek, A., and Treleaven, assignors.)

Colosimo, Antone C., San Francisco, Calif. Tank filling device. 1,844,842; Feb. 9.

Colosoff, Anatoly E., Berkeley, Calif. Testing apparatus. 1,888,906; Nov. 22.

Colour Photographs (British and Foreign) Limited. (See Oliver, L. W., and Clare, assignors.)
Colovas, George. (See La Caverа, Charles, assignor.)
Coloxide Patents Corporation. (See Groggins, Stanley S., assignor.)
Colpe, Lorne H., San Francisco, Calif. Mouthpiece for cigarettes. 1,865,679 ; July 5.
Colpitts, Calvin N., Malden, assignor to American Window Shade Machine Company, Boston, Mass. Machine for inserting eyelets in window shades and the like. 1,859,959 ; May 24.
Colpitts, Calvin N., Malden, assignor to American Window Shade Machine Company, Boston, Mass. Eyelet feeding mechanism for eyelet setting machines. 1,877,813 ; Sept. 20.
Colquhoun, Peter M. (See Chisholm, C., and Colquhoun.)
Colson Company, The. (See Johnson, Wilfred G., assignor.)
Colson Company, The. (See Pehrsson, Sven J., assignor.)
Colson Company, The. (See Pehrsson, Sven Johan, assignor.)
Colstad, Charles N. (See Romano, M., and Colstad.)
Colstad, Charles N., Attleboro, Mass. Combined steering and engine control device. 1,860,173 ; May 24.
Colt, Samuel S., Orange, N. J. Fastening for concrete pouring forms. 1,841,713 ; Jan. 19.
Col-Tex Refining Company. (See Burruss, George H., assignor.)
Coltman, Bertram W. (See Miller, Myron, assignor.)
Coltman, Bertram W., Chicago, Ill. Flaking soap. Re18,546 ; July 26.
Colton, Alvin C., Monrovia, Calif. Swimming suit. 1,848,810 ; Mar. 8.
Colton, Arthur, assignor, by mesne assignments, to Parke, Davis & Co., Detroit, Mich. Sealed capsules. 1,861,047 ; May 31.
Colton, Arthur, Company. (See Kath, A. W., and Scott, assignors.)
Colton, Charles H., assignor to Great Lakes Dredge & Dock Company, Chicago, Ill. Dredge discharge conduit. 1,880,073 ; Sept. 27.
Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Conner, B. F., and Schmalz, assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Moore, Frederick T., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Moore, F. T., and Freiff, C., assignors.)
Colt's Patent Fire Arms Manufacturing Co. (See Schmalz, William F., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Whitworth, Harry, assignor.)
Columbia Axle Company, The. (See Ragan, Fred H., assignor.)
Columbia Axle Company, The. (See Ragan, Frederick H., assignor.)
Columbia Burner Co., The. (See Burns, Gordon E., assignor.)
Columbia Burner Company. (See Hall, Ernest A., assignor.)
Columbia Burner Co., The. (See Hall, E. A., and Burns, assignors.)
Columbia Engineering and Management Corporation. (See Gerstmyer, W. A., and Clayton, assignors.)
Columbia Engineering & Management Corporation. (See Odell, William W., assignor.)
Columbia Engineering & Management Corporation. (See Rosenthal, Henry, assignor.)
Columbia Malleable Castings Corp. (See Zifferer, Lothar R., assignor.)
Columbia Mills, Incorporated. (See Burns, Fred J., assignor.)
Columbia Mixers Corporation, The. (See Goetz, Joseph F., assignor.)
Columbia Phonograph Company. (See Bahr, Gustave F., assignor.)
Columbia Phonograph Company. (See Capps, Frank L., assignor.)
Columbia Phonograph Company. (See Forse, W. T., and Mitchell, assignors.)
Columbia Phonograph Company. (See Friebus, Reginald T., assignor.)
Columbia Phonograph Company. (See Hinckley, Frank C., assignor.)
Columbia Phonograph Company. (See Hinckley, F. C., and Hudson, assignors.)
Columbia Phonograph Company. (See Massey, Augustine H., assignor.)
Columbia Phonograph Company. (See Mitchell, Frank A., assignor.)
Columbia Phonograph Company. (See Prescott, John O., assignor.)
Columbia Phonograph Company. (See Purser, William S., assignor.)
Columbia Phonograph Company. (See Roycroft, Walter R., assignor.)
Columbia Phonograph Company, Inc. (See Mitchell, Frank A., assignor.)
Columbia Products, Incorporated. (See Wells, Richard, assignor.)
Columbia School Supply Company. (See Moore, Jesse C., assignor.)
Columbia Steel Equipment Company. (See Dawson, George H., assignor.)
Columbian Carbon Company. (See Lewis, George C., assignor.)
Columbian Carbon Company. (See Marshall, Albert E., assignor.)
Columbian Rope Company. (See Jackson, Alexander F., assignor.)
Columbian Rope Company. (See Stephenson, Robert J., assignor.)
Columbus Auto Brass Company. (See Donley, Harold B., assignor.)
Columbus Auto Brass Company, The. (See Frame, Augustus J., assignor.)
Columbus Auto Parts Company, The. (See Flumerfelt, William A., assignor.)
Columbus Auto Parts Company, The. (See Milligan, John B., assignor.)
Columbus Coated Fabrics Corporation. (See Willcox, Roderick H., assignor.)
Columbus Dental Manufacturing Company, The. (See Evans, David E., assignor.)
Columbus Dental Manufacturing Company, The. (See Morris, Charles L., assignor.)
Columbus Dental Manufacturing Company, The. (See Shaw, Ernest P., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Columbus-McKinnon Chain Corporation, The. (See Stahl, F. E., and Dodge, assignors.)
Columbus Sucker Rod Company, The. (See Thorpe, Forest H., assignor.)
Columbus Valve Manufacturing Corporation, The. (See Redding, Harry B., assignor.)
Columbus Vending Company, The. (See Vogel, Frank H., assignor.)
Columbus Vending Company, The. (See Vogel, Frank H. and R. A., assignors.)
Colver, Charles C., Old Park, assignor to Triangle Packaging Company, Chicago, Ill. Carton filling machine. 1,887,751 ; Nov. 15.
Colvilles Limited. (See Barr, W., and Bardgett, assignors.)
Colvin, Benjamin F., Detroit, Mich. Anchor. 1,844,273 ; Feb. 9.
Colvin, Charles H., and M. M. Titterington, deceased, Brooklyn, N. Y., G. A. Titterington, executor, assignors to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Turn indicator. 1,842,824 ; Jan. 26.
Colvin, Charles V., and R. A. Foster, Lansing, Mich. Kitchen ventilator. 1,874,906 ; Aug. 30.
Colvin, Nolan D. (See Coulter, W. J., and Colvin.)
Colvin, Nolan D., assignor to Deere & Company, Moline, Ill. Stalk lifter. 1,877,271 ; Sept. 13.
Colwell, Archie T., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making composite valves. 1,889,916 ; Dec. 6.
Comesti, C. N., et al. (See Teaver, Joe L., assignor.)
Combe, Louis J., Los Angeles, Calif. Testing device. 1,891,141 ; Dec. 13.
Combes, Maurice B. (See Continsouza, V., and Combes.)
Combier & Co. Inc. (See Kaufmann, Werner R., assignor.)
Combier & Co. Inc. (See Lukas, Julia, assignor.)
Combier & Co. (See Megroz, Georges, assignor.)
Combier & Co. Inc. (See Megroz, Georges, assignor.)
Combier & Co. Inc. (See Merry, Elizabeth, assignor.)
Combier & Co. Inc. (See Schey, Robert, assignor.)
Combier & Co. Inc. (See Wax, Evelyn, assignor.)
Combier & Co. Inc. (See Weitz, Irene A., assignor.)
Combination Door Company. (See Schmidt, Louis D., assignor.)
Combination Selector Company. (See Rainey, Paul M., assignor.)
Combridge, George A., San Francisco, Calif. Indicator. 1,863,684 ; June 21.
Combridge, George A., San Francisco, Calif. Control mechanism. 1,864,172 ; June 21.
Combridge, George A., Los Angeles, Calif. Indicator. 1,864,171 ; June 21.
Combs, Edward L., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radiocabinet. Des. 86,440 ; Mar. 8.
Combs, Edward L., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radiocabinet. Des. 87,769 ; Sept. 13.
Combs, Millard J., Seminole, Okla. Sand trap. 1,852,920 ; Apr. 5.
Combs, Presley S., jr., Los Angeles, Calif. Monorail car. 1,874,907 ; Aug. 30.
Combs, Ralph B., assignor of one-half to R. B. Smith, Wichita, Kans. Mig saw. 1,839,647 ; Jan. 5.
Combs, R. M., et al. (See Oliver, Guy C., assignor.)
Combs, Scott W., Topeka, Kans. Sanitary garbage container. 1,863,101 ; June 14.
Combustion Control Company. (See Potter, Frederick D., assignor.)
Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
Combustion Fuel Oil Burner Co. (See Rogers, H. S., and Radditz, assignors.)
Combustion Utilities Corporation. (See Anderson, Thomas, assignor.)

Combustion Utilities Corporation. (See Bhagwat, Madhav R., assignor.)
Combustion Utilities Corporation. (See Burke, Stephen P., assignor.)
Combustion Utilities Corporation. (See Caplan, Solomon, assignor.)
Combustion Utilities Corporation. (See Doherty, Henry L., assignor.)
Combustion Utilities Corporation. (See Granger, Frederick S., assignor.)
Combustion Utilities Corporation. (See Johnson, Alfred, assignor.)
Combustion Utilities Corporation. (See Klees, Albert L., assignor.)
Combustion Utilities Corporation. (See Wright, Carl J., assignor.)
Combustioneer Inc. (See Burton, Warren D., assignor.)
Comer, Hanks. (See Strickler, A., Comer, and Zilberblatt.)
Comer, Harris, Cynwyd, Pa. Supporting means for fermentation tubes and the like. 1,863,297 ; June 14.
Comer, Patrick B., Greensboro, N. C. Ignition system. 1,854,576 ; Oct. 25.
Comer, William T., assignor to Crystal Carbonic Laboratory, Atlanta, Ga. Carbonating cylinder and system for use of solid CO_2. 1,856,192 ; July 5.
Comer, William T., assignor to Crystal Carbonic Laboratory, Atlanta, Ga. Apparatus for continuous production of carbon dioxide ice. 1,869,346 ; July 26.
Comer, William T., assignor to Crystal Carbonic Laboratory, Atlanta, Ga. Process and apparatus for producing frozen confections. 1,874,453 ; Aug. 30.
Comerford, Grace, Elmhurst, assignor to The Nestle-Lemur Company, New York, N. Y. Wrapper for use in hair waving processes. 1,856,692 ; May 3.
Comerford, Grace, Elmhurst, assignor to The Nestle-Lemur Company, New York, N. Y. Protective shield for hair waving. 1,886,497 ; Nov. 8.
Comery, William. (See Brown, C., and Comery.)
Cometh, Sven, New York, N. Y. Floor control device for elevators. 1,888,907 ; Nov. 22.
Comfort, Irwin, and B. Clifford, Brooklyn, N. Y. Race starting apparatus. 1,870,768 ; Aug. 9.
Comins, Arthur C., Worcester, Mass. Designing frame. 1,839,976 ; Dec. 6.
Comley Automatic Tickets Limited. (See Comley, Charles W. A., assignor.)
Comley, Charles W. A., assignor to Comley Automatic Tickets Limited, London, England. Ticket issuing apparatus. 1,844,349 ; Feb. 9.
Commerce Guardian Trust & Savings Bank, The. (See Replogle, Daniel B., assignor.)
Commerce Guardian Trust & Savings Bank, The, trustee. (See Replogle, Daniel B., assignor.)
Commerce Guardian Trust & Savings Bank, The, trustee. (See Schauss, John A., assignor.)
Commercial Furniture Company. (See Fankel, Isadore, assignor.)
Commercial Furniture Company. (See Hameetman, Jacob P., assignor.)
Commercial Iron Works of Los Angeles. (See Rupp, Carl A., assignor.)
Commercial National Bank, The, executor. (See Craig, Edward.)
Commercial National Bank of Shreveport, La. (See Grounds, Fred A., assignor.)
Commercial Patents Development Company. (See Black, Russell, assignor.)
Commercial Patents Incorporated. (See Ungar, Gustave A., assignor.)
Commercial Shearing and Stamping Company, The. (See Cushwa, Charles B., assignor.)
Commercial Shearing and Stamping Company, The. (See Gallaher, Granville P., assignor.)
Commercial Shearing & Stamping Company, The. (See Proctor, Robert V., assignor.)
Commercial Solvents Corporation. (See Carlsmith, L. E., Boeckeler, and Schauss, assignors.)
Commercial Solvents Corporation. (See Carnarius, E. H., and Charleston, assignors.)
Commercial Solvents Corporation. (See Christensen, Leo M., assignor.)
Commercial Solvents Corporation. (See Christensen, L. M., and McCutchan, assignors.)
Commercial Solvents Corporation. (See Edmonds, William J., assignor.)
Commercial Solvents Corporation. (See Gabriel, C. L., and Brown, assignors.)
Commercial Solvents Corporation. (See Hancock, C. W., and Carnarius, assignors.)
Commercial Solvents Corporation. (See Langwell, Herbert, assignor.)
Commercial Solvents Corporation. (See Langwell, H., and Ricard, assignors.)
Commercial Solvents Corporation. (See Langwell, H., and Ricard, assignors.)
Commercial Solvents Corporation. (See Legg, D. A., and Christensen, assignors.)
Commercial Solvents Corporation. (See Martin, J., and Krchma, assignors.)
Commercial Solvents Corporation. (See Martin, J., and Swallen, assignors.)
Commercial Solvents Corporation. (See Simms, C. W., Bannister, and Swallen, assignors.)
Commercial Solvents Corporation. (See Swallen, Lloyd C., assignor.)
Commercial Solvents Corporation. (See Swallen, L. C., and Boeckeler, assignors.)
Commercial Solvents Corporation. (See Vaupotic, Ferdinand A., assignor.)
Commercial Solvents Corporation. (See Wheeler, M. C., and Goodale, assignors.)
Commercial Solvents Corporation. (See Woodruff, John C., assignor.)
Commercial Solvents Corporation. (See Woodruff, J. C., and Krchma, assignors.)
Commercial Solvents Corporation. (See Woodruff, J. C., and Wilson, assignors.)
Commonwealth Manufacturing Company. The. (See Gregory, Emmanuel J., assignor.)
Commonwealth & Southern Corporation of Maryland, The. (See Umbricht, Emil, assignor.)
Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
Comoletti, John, Los Angeles, Calif. Tunneling machine. 1,866,753 ; July 12.
Comos Cigarette Machine Company et al. (See Weisner, Robert L., assignor.)
Compagnie de Bethune. (See Chaux, R., and Dufraisse, assignors.)
Compagnie de Bethune. (See Minotte, Maurice E. H., assignor.)
Compagnie de Machines Automatiques Savingma. (See Alibert, Emile, assignor.)
Compagnie des Forges et Acieries de la Marine et d'Homecourt, et al. (See Daum, Leon, assignor.)
Compagnie des Forges et Acieries de la Marine et d'Homecourt. (See Granat, Elie, assignor.)
Compagnie des Produits Chimiques et Charbons Actifs Ed. Urbain. (See Urbain, Edouard, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Boulthillon, Leon, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See de Regnauld de Bellescize, Henri J. J. M., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Perroux, Georges E. M., assignor.)
Compagnie Generale Francaise de Tramways. (See Lievre, Marcel, assignor.)
Compagnie Internationale des Freins Automatiques Societe Anonyme. (See Pieper, Henri, assignor.)
Compagnie Internationale des Freins Automatiques, Société Anonyme. (See Pieper, Henri, assignor.)
Compagnie Internationale des Pieux Armes Frankignoul Societe Anonyme. (See Frankignoul, Edgard, assignor.)
Compagnie Lorraine De Charbons pour L'Electricite. (See Oswald, Marcel, assignor.)
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Barthelemy, René, assignor.)
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Dubusc, R., and Iliovici, assignors.)
Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz. (See Oliovici, Avram D., assignor.)
Compagnie pour la Fabrication des Compteurs et Material d'Usines à Gaz. (See Rousselet, René, assignor.)
Compagnie pour la Fabrication des Compteurs et Material d'Usines A Gaz Société Anonyme Francaise. (See Berthet, J. B., and Michel, assignors.)
Compania Swift de la Plata Sociedad Anonima. (See Morasso, Salvador, assignor.)
Companies Reunies des Glaces & Verres Speciaux du Nord de la France. (See Despret, Georges P., assignor.)
Comper, Adrian, London, England, assignor to Hospital Appliances, Inc., Pittsfield, Mass. Invalid's bed. 1,884,577 ; Oct. 25.
Comper, Adrian, London, England, assignor to Hospital Appliances, Inc., Pittsfield, Mass. Bedpan. 1,888,423 ; Nov. 22.
Compo, John J., Defiance, Ohio. Muffler. 1,876,861 ; Sept. 13.
Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)
Compound Gas Power Company. (See Smith, David J., assignor.)
Compton, Otto L., and Julio Ménard, Buenos Aires, Argentina. Cup adherent through mechanical pressure. 1,871,113 ; Aug. 9.
Comptoir Belge de Commerce et d'Industrie, Société Anonyme. (See Druppel, Edouard, assignor.)
Compton, Harry L., Washington, D. C., assignor to The American Dairy Supply Company, Augusta, Me. Inker for printing faces. 1,859,380 ; May 24.
Compton, John R., Vincennes, Ind. Can opener. 1,843,806 ; Feb. 2.
Comstock & Wescott, Inc. (See Mancib, Alvin S., assignor.)
Comstock & Wescott, Inc. (See Troland, Leonard T., assignor.)
Comtois, Edwilda, Holyoke, Mass. Lamp shade. Des. 86,220 ; Feb. 16.
Comyn, Frank E. (See Taylor, R., and Comyn.)
Conant, David J. (See Frank, L. C., and Conant.)
Conant, Ray W., assignor to H. D. Brown, Los Angeles, Calif. Looper. 1,880,820 ; Oct. 4.

Conard, Frederick U., Stratford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,873,293; Aug. 23.
Conaway, Charles W., Great Neck, N. Y. Shoe model. 1,876,945; Aug. 9.
Concealed Door Check Co. (See Eastman, Floyd K., assignor.)
Concord Chenille Company, Inc. (See Unger, Abraham, assignor.)
Concord Silversmiths, Inc. (See Simms, Charles F., assignor.)
"Concordia" Societate Anonima Romana Pentru Industria Petrolului. (See Steuble, Werner, assignor.)
Concrete Engineering Company. (See Meyer, Charles L., assignor.)
Concrete Engineering Company. (See Ochiltree, Ned A., assignor.)
Concrete Products Company. (See Buente, Charles F., assignor.)
Concrete Silo Company. (See Brassert, W., and Gladville, assignors.)
Concrete-Wood Floor Clip Company. (See Wolfson, Samuel J., assignor.)
Condenser Corporation of America. (See Danziger, H. I., and Kevelson, assignors.)
Condenser Corporation of America. (See Kevelson, Max, assignor.)
Condis, Primitivo, New York, N. Y. Cigarette holder. 1,853,040; Apr. 12.
Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
Condit Electrical Manufacturing Corporation. (See Barrett, Joseph R., assignor.)
Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
Condit Electrical Manufacturing Corporation. (See Edsall, William S., assignor.)
Condit Electrical Manufacturing Corporation. (See Greenwood, Talma T., assignor.)
Condit Electrical Manufacturing Corporation. (See Jansson, Gustav, assignor.)
Condit Electrical Manufacturing Corporation. (See MacNeil, Frederick H., assignor.)
Condit Electrical Manufacturing Corporation. (See O'Keeffe, George W., assignor.)
Condit Electrical Manufacturing Corporation. (See Pinkham, Henry P., assignor.)
Condit Electrical Manufacturing Corporation. (See Tasker, Maurice B., assignor.)
Condit Electrical Manufacturing Corporation. (See Wood, Joseph D., assignor.)
Condit Electrical Manufacturing Corporation. (See Wood, Maurice B., assignor.)
Condit, Frank D., Pasadena, Calif. Locking means for nuts. 1,850,659; Mar. 22.
Condit, Frank J., Milwaukee, and E. L. Smalley, Whitefish Bay, assignors to Falk Corporation, Milwaukee, Wis. Rotary retort furnace. 1,859,381; May 24.
Condit, Sears B. (See Burns, Edward J., assignor.)
Condon, Edward T., New York, N. Y. Combined lighting, signaling, and indicating accessory for motor vehicles. Des. 85,914; Jan. 5.
Condon, Edward T., New York, N. Y. Time controlled switch. 1,874,028; Aug. 30.
Condon, Edward T., assignor to Autoposts Company Inc. New York, N. Y. Combined driving mirror, parking and signal device. 1,874,027; Aug. 30.
Condon, Maurice L., Lake Mahopac, N. Y. Anchoring transplanted trees. 1,874,029; Aug. 30.
Condon, Robert S. (See Bullock, E. W., Condon, and Finsen.)
Condor Company, The. (See Fitts, Silas W. C., assignor.)
Condorelli, Pietro, and B. A. Coco, Catania, Italy. Extracting the jube from liquorice. 1,849,569; Mar. 15.
Condos, Gus, Chicago, Ill. Hair drying apparatus. 1,887,233; Nov. 8.
Conduit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
Conduit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,841,714; Jan. 19.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,841,715; Jan. 19.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for forming and annealing sheet glass. 1,848,107; Mar. 8.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming and annealing sheet glass. 1,848,161; Mar. 8.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,848,162; Mar. 8.
Cone, Carroll, assignor to Libbey-Owens Ford Glass Company, Toledo, Ohio. Glass forming apparatus and process. 1,857,806; May 10.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,865,836; July 5.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass rolling machine. 1,868,274; July 19.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,872,634; Aug. 23.
Cone, Charles N. (See Dike, T. W., Laucks, and Cone.)
Cone, Charles N. (See Laucks, I. F., Cone, and Dike.)
Cone, Harry C., assignor of one-half to R. D. Craig, Daytona Beach, Fla. Casement window operating means. 1,851,810; Mar. 29.
Cone, Samuel I., assignor to Cone Worm Gearing Corporation, Norfolk, Va. Method of and apparatus for cutting worm gearing. 1,885,686; Nov. 1.
Cone, William S., Oakland, Calif. Transmission insulator. 1,887,181; Nov. 8.
Cone Worm Gearing Corporation. (See Cone, Samuel I., assignor.)
Conekin, George M., Asheville, N. C. Duplex domestic hot water heater. 1,854,250; Apr. 19.
Coney, Jesse D. (See Fisher, K. L. M., and Coney.)
Confair, Zehnder H., assignor to Confairs Pure Fruits, Inc., Berwick, Pa. Bottle. Des. 86,906; May 10.
Confairs Pure Fruits, Inc. (See Confair, Zehnder H., assignor.)
Congleton, John A., and O. Kelly, Dallas, Tex. Freezer. 1,861,301; May 31.
Congoleum-Nairn Inc. (See Feeney, Joseph P., assignor.
Congoleum-Nairn, Inc. (See McConoughey, Merle S., assignor.)
Congoleum-Nairn, Inc. (See Veit, Walter, assignor.)
Conigrave, Mostyn R., Leederville, near Perth, Australia. Pneumatic wheel for vehicles. 1,842,315; Jan. 19.
Conkey, W. B., Company. (See Sieb, Henry, assignor.)
Conkie, Waldo J., assignor to F. R. Wright, Denver, Colo., trustee. Motion picture film. 1,849,909; Mar. 15.
Conklin, Alfred A., Hawthorne, Conn. Wrench for valve seats and the like. 1,851,421; Mar. 29.
Conklin, Earl B. (See Forrest, L. R., and Conklin, assignors.)
Conklin, Earl B., Syracuse, N. Y., assignor to Semet-Solvay Company, New York, N. Y. Treating sludge acid. 1,850,875; Apr. 5.
Conklin, Henry E., Roslyn, N. Y. Building. Des. 88,142; Nov. 1.
Conklin, James W., Rocky Point, N. Y., assignor to Radio Corporation of America. Thermostat. 1,874,909; Aug. 30.
Conklin, John H., East Hampton, Conn. Toy telephone. 1,877,160; Sept. 13.
Conklin Pen Company. (See Bassett, Gerald L., assignor.)
Conklin Pen Company, The. (See Bienenstein, Andreas, assignor.)
Conklin Pen Company, The. (See Bienenstein, A., assignor, and Douglas.)
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Hold-in mechanism for magnet valves. 1,843,971; Feb. 9.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Vacuum engine. 1,874,454; Aug. 30.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Mechanism for reversing motive devices for operating doors and the like. 1,877,161; Sept. 13.
Conkling, De Witt C., Long Island, N. Y. Adjustable propeller. 1,857,146; Nov. 8.
Conley, Arthur W., Cleveland Heights, Ohio, assignor, by mesne assignments, to The Corozone Company, Wilmington, Del. Ozonizer. 1,874,455; Aug. 30.
Conley, Arthur W., Cleveland Heights, Ohio, assignor, by mesne assignments, to The Corozone Company, Wilmington, Del. Ozonizer. 1,891,910; Dec. 27.
Conley, Brooks L. (See Kingston, F. S., and Conley.)
Conley, Kurt H., assignor to The Bullard Company, Bridgeport, Conn. Counterbalancing device for machine tools. 1,861,954; June 7.
Conley, Marion E., Miami, Fla. Facial mask. 1,862,588; June 14.
Conley, Otto M. (See Conley, Roy E. and O. M.)
Conley, Roy E. and O. M., Fostoria, Ohio. Electric jiffy creaser. 1,864,408; June 21.
Conlin, Frederick, New York, N. Y. Brush for electroplating and electrocleaning and anode for use therein. 1,866,699; July 12.
Conlon Corporation. (See Anderson, C. F., and Janda, assignors.)
Conlon Corporation. (See Janda, Rudolph W., assignor.)
Conlon, Thomas A. (See Goebert, E. C., and Conlon.)
Conlon, Thomas P. (See Hayes, George M., assignor.)
Conlon, William B., Minneapolis, and L. Hayes, Robbinsdale, Minn. Bird scaring device. 1,870,605; Aug. 9.
Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
Conn, C. G., Ltd. (See Loomis, Allen, assignor.)
Conn, C. G., Ltd. (See Smith, Alfred L., assignor.)
Conn, Johnnie M. (See Sackrider, F. E., Conn, and Calvert.)
Connadty, Ottmar, Nuremberg, Germany. Electrolytic cells and in anodes used in such cells. 1,879,842; Sept. 27.
Connecticut Hard Rubber Company, The. (See Vallé, Paul B., assignor.)
Connecticut Hard Rubber Company, The. (See Walsh, William E., assignor.)

Connecticut Telephone & Electric Corporation. (See Brogger, Ivar W., assignor.)
Connecticut Telephone & Electric Corporation. (See Cadieux, Joseph O., assignor.)
Connell, Edwin L., Towson, assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable motor driven screw driver. 1,839,648; Jan. 5.
Connell, Edwin L., assignor to The Van Dorn Electric Tool Co., Cleve and, Ohio. Drilling or tapping machine. 1,852,736; Apr. 5.
Connell, Edwin L., Cleveland Heights, assignor to Van Dorn Electric Tool Company, Cleveland, Ohio. Making a collet. 1,854,825; Apr. 19.
Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Power tool. 1,876,616; Sept. 13.
Connell, James J., Detroit, Mich., assignor, by mesne assignments, to Allied Steel Products Corporation. Nut lock washer. 1,870,827; Sept. 20.
Connell, Judson S., Minneapolis, Minn. Combination stock record and merchandise tag. 1,841,172; Jan. 12.
Connell, Lewis W., Joliet, Ill. Loom. 1,888,908; Nov. 22.
Connell, Thomas H., and I. M. Beltz, assignors to The Recording Devices Company, Columbus, Ohio. Recording lock. 1,850,224; Apr. 5.
Connelly, William J., Huntington, W. Va. Device for thawing manifolds. 1,840,488; Jan. 12.
Connell, William J., Rochester, N. Y. Driving spur for golf clubs. 1,855,126; Apr. 19.
Connelly, A. L., Co. (See Humbel, Alexander, assignor.)
Connelly, Donald S., Turner, and T. J. Hahn, Canton, assignors to Wooster Products Inc., Wooster, Ohio. Casting products embodying material of low specific gravity. 1,850,743; Mar. 22.
Connelly, Emmett L., Los Angeles, Calif. Lathering device. 1,885,416; Nov. 1.
Connelly, Lawrence, Cleveland, Ohio, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Steam generator. 1,853,958; Apr. 12.
Connelly, Lawrence E., Cleveland, Ohio, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Steam generator. 1,862,367; June 7.
Connely, Charles B., Ballston, N. Y., assignor to General Electric Company. Control system. 1,863,395; June 14.
Conner, Benjamin F., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 86,699; Mar. 3.
Conner, Benjamin F., Hartford, Conn. Jar or similar receptacle. Des. 87,712; Sept. 6.
Conner, Benjmin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,400; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,401; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,402; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,403; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,404; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,405; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,406; Nov. 29.
Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 88,407; Nov. 29.
Conner, Benjamin F., Hartford, and W. F. Schmalz, Rockville, assignors to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Molding apparatus and method of molding for interiorly threaded articles. 1,887,993; Nov. 15.
Conner, Benjamin F., Hartford, and W. F. Schmalz, Rockville, assignors to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Tool for removing threaded articles from a mold. 1,887,994; Nov. 15.
Conner, Charles E., Torrance, Calif. Dispensing device. 1,874,738; Aug. 30.
Conner, Charles E., and H. C. Ainsworth, Torrance, Calif. Window sash construction. 1,862,007; June 7.
Conner, Charles E., and P. P. Libbey, Auburn, Me., assignors to United Shoe Machinery Corporation, Paterson, N. J. Work support for staple fastening machines. 1,852,722; Apr. 12.
Conner Crouse Corporation. (See Crouse, George B., assignor.)
Conner, Somerville V., New Albany, Ind. Sheet metal roofing. 1,856,622; May 3.
Conner, William B., New York, N. Y. Extensible shoe form. 1,849,751; Mar. 15.
Conner, William B., New York, N. Y. Extensible shoe form. 1,849,752; Mar. 15.
Conner, William B., New York, N. Y. Adjustably extensible shoe form. 1,849,753; Mar. 15.
Connery, Aider F., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Printing telegraphy. 1,848,320; Mar. 8.
Connery, Alder F., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Indicating and applying orientation correction to telegraph distributors. 1,868,695; July 26.
Connery, Alder F., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Eight unit code telegraph system. 1,872,895; Aug. 23.
Connery, James R., Springfield, Mass. Refreshment stand or similar article. Des. 88,501; Dec. 6.
Connett, Leonard, Cincinnati, Ohio. Mold and removing the same from the cast material. 1,879,891; Sept. 27.
Connolly, George E. (See Baird, D., and Connolly.)
Connolly, George E. (See Harley, H. J., Schilling, and Connolly.)
Connolly, George E., Oakland, assignor to Pacific Foundry Company, Ltd., San Francisco, Calif. Valve. 1,841,789; Jan. 19.
Connolly, Gerald C. (See Miller, E. B., and Connolly.)
Connolly, Gerald C., assignor to The Silica Gel Corporation, Baltimore, Md. Preparing adsorbent material. 1,868,565; July 26.
Connolly, Henry Company. (See Warner, William F., jr., assignor.)
Connolly, John A., New York, N. Y. Statuette or the like. Des. 86,514; Mar. 15.
Connor, Benjamin J., Chappell, Nebr. Rotary rod weeder. 1,877,814; Sept. 20.
Connor, Frank H., Duluth, Minn. Interproximal compact. 1,883,584; Oct. 18.
Connor, James F., Cleveland, Ohio. Brush and holding blanks in same. 1,879,103; Sept. 27.
Connor, James G., Kansas City, Kans., assignor to The Animated Roboquin Display Company. Mechanical figure. 1,865,837; July 5.
Connor, Robert A., Fort Wayne, Ind., assignor, by mesne assignments, to National Electric Products Corporation, New York, N. Y. Coil and making same. 1,863,713; June 21.
Connor, Robert A., and G. A. Jacobs, assignors to Inca Manufacturing Corporation, Fort Wayne, Ind. Coil. 1,880,821; Oct. 4.
Connor, Roger, N. S. Welk, and D. R. Zenner, assignors to The McBee Binder Company, Athens, Ohio. Posting stand. 1,866,966; July 12.
Connor, Roger, N. S. Welk, and D. R. Zenner, assignors to The McBee Binder Company, Athens, Ohio. Looseleaf binder. 1,872,248; Aug. 16.
Connors, George W., Birmingham, Ala. Continuous process and apparatus for rolling scrap rail and the like. 1,883,338; Oct. 18.
Connors, John W., Dedham, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-hole sewing machine. 1,844,062; Feb. 9.
Connors, William J., San Jose, Calif., assignor to Sani-Toll Trust Association, Washoe County, Nevada. Toilet ventilator. 1,887,438; Nov. 15.
Conover, Charles F., Brooklyn, N. Y. Reigniting device for gas stoves. 1,850,866; Mar. 22.
Conover Company, The. (See Stoddard, Edgar S., assignor.)
Conover Company, The. (See Watt, E. D., Irwin, and Virgus, assignors.)
Conover, Garrett E., Veronn, N. J. Indicator. 1,864,416; June 21.
Conover, Harry H., Dayton, Ohio. Fuel feed timing device. 1,856,466; May 3.
Conover, Warren M., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Outboard motor boat. 1,861,048; May 31.
Conrad, Archie B., Philadelphia, Pa. Speed control for internal motors. 1,848,048; Mar. 1.
Conrad, Arthur, Chester, Ill. Connecter for connecting the cable to a battery post. 1,868,939; July 26.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television system. 1,853,601; Apr. 12.
Conrad, Frank, Penn Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company. Constant frequency generator. 1,872,896; Aug. 23.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio relay system. 1,877,815; Sept. 20.
Conrad, Friedrich, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Eliminating aperiodic disturbances. 1,874,910; Aug. 30.
Conrad, James, Roxbury, Mass. Lamp shade. Des. 86,826; Apr. 26.
Conrad, Joshua C., Fort Worth, Tex. Cotton impaling and cleaning machine for harvesters. 1,870,039; Aug. 2.
Conrad, Nicholas J., Wilmette, assignor, by mesne assignments, to Schwietzer & Conrad, Inc., Chicago, Ill. Resistance unit. 1,858,482; May 17.
Conrad, William B., Casper, Wyo. Eyeglass attachment. 1,864,123; June 21.
Conrade, Harold G. (See Payne, L. T., and Conrade.)
Conrader, Rudolph, deceased, Erie, Pa.; S. Conrader and A. L. C. Seitz, executrices, assignors to Sophia Conrader. Metering device. 1,855,044; Apr. 19.
Conrader, Sophia. (See Conrader, Rudolph, assignor.)

Conrader, Sophia, et al, executrices. (See Conrader, Rudolph.)
Conradty, Ottmar, Nuremberg, Germany. Arc lamp. 1,881,262; Oct. 4.
Conran, William F., Brooklyn, N. Y. Standpipe system. 1,862,109; June 7.
Conran, William F., Brooklyn, N. Y. Standpipe system. 1,862,110; June 7.
Conran, William F., Brooklyn, N. Y. Regulator device. 1,862,111; June 7.
Conroy, Jess J., Maracaibo, Venezuela. Casing head construction. 1,886,167; Nov. 1.
Consentino, Guiseppe, Cleveland, Ohio. Clock. 1,846,950; Feb. 23.
Conser, Le Roy N., Blackwell, Okla. Stop sign. 1,867,811; July 19.
Consolidated Aircraft Corporation. (See Fleet, Reuben H., assignor.)
Consolidated Ashcroft Hancock Company. (See Allen, Chauncey D., assignor.)
Consolidated Ashcroft Hancock Company. (See Beck, Rudolf, assignor.)
Consolidated Ashcroft Hancock Company. (See Carlton, Henry D., assignor.)
Consolidated Ashcroft Hancock Company. (See Crocker, Ernest B., assignor.)
Consolidated Ashcroft Hancock Company. (See Evans, H. E., and Allen, assignors.)
Consolidated Automatic Merchandising Corporation. (See Woods, Harold B., assignor.)
Consolidated Car-Heating Company. (See Hyatt, Louis C., assignor.)
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Consolidated Car-Heating Company. (See Lorenzo, O., and Conway, assignors.)
Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Consolidated Connector Patent Corporation. (See Barber, Martin A., assignor.)
Consolidated Fruit Jar Company. (See McGinnis, Edward L., assignor.)
Consolidated Gas Company of New York, The. (See Gordon, D., and Ryon, assignors.)
Consolidated Gas Company of New York, The. (See Muller, John H., assignor.)
Consolidated Gas Company of New York. (See Ryden, E. H., and Walter, assignors.)
Consolidated Gas Company of New York. (See Turner, Alfred F., assignor.)
Consolidated Gas Company of New York, The. (See Walker, Wood S., assignor.)
Consolidated Iron-Steel Manufacturing Company. The. (See Luff, Lawrence W., assignor.)
Consolidated Macaroni Machine Corporation. (See Bucaccio, Vito, assignor.)
Consolidated Macaroni Machine Corporation. (See Coffaro, John S., assignor.)
Consolidated Machine Tool Corporation of America. (See Forward, Worthy F. B., assignor.)
Consolidated Machine Tool Corporation of America. (See Forward, W. J. F., and Roberts, assignors.)
Consolidated Machine Tool Corporation of America. (See Harding, Sherman A., assignor.)
Consolidated Machine Tool Corporation of America. (See Leiter, Charles R., assignor.)
Consolidated Machine Tool Corporation of America. (See Trosch, Alfred, assignor.)
Consolidated Mining and Smelting Company of Canada, Limited. (See Finglund, J. J., Turnbull, and McIntyre, assignors.)
Consolidated Mining and Smelting Company of Canada, Limited. (See Pigott, Stimmel, B. A., McBean, and Cruickshank, assignors.)
Consolidated Packaging Machinery Corp. (See Cundall, Robert N., assignor.)
Consolidated Paper Company. (See Schroeder, Arthur C., assignor.)
Consolidated Patentees Corporation. (See Epstein, Albert A., assignor.)
Consolidated Signal Company. (See Vincent, Orville L., assignor.)
Consolidated Steel Corporation. (See Kimbell, James F., assignor.)
Consolidated Trimming Corporation. (See Bernhard, Joseph, assignor.)
Consolidated Trimming Corporation. (See Klahre, Hugo, assignor.)
Consor, Herbert A., assignor to The Weis Manufacturing Company, Monroe, Mich. Visible record and leaf holder. 1,862,842; June 14.
Consorti, John, assignor of sixty one-hundredths to L. Gordon, Brooklyn, N. Y. Laundry apparatus. 1,890,455; Dec. 13.
Consortium Fuer Elektrochemische Industrie. (See Meingast, R., and Mugdan, assignors.)
Consortium fur Elektrochemische Industrie. (See Herrmann, W. O., and Baum, assignors.)
Consortium für Elektrochemische Industrie. (See Herrmann, W. O., and Deutsch, assignor.)
Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Apparatus for classifying laundry articles. 1,846,313; Feb. 23.
Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Garment conveyer. 1,860,704; May 31.
Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Weighing hopper. 1,868,727; July 26.
Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Bag holder. 1,883,555; Oct. 18.
Constable, Nelson J., Manilla, Iowa. Gate. 1,888,967; Nov. 22.
Constantin, Louis, Paris, assignor of one-half to P. Fortier-Beaulieu, Roanne, Loire, France. Orienting and automatic stopping device for wind motors. 1,868,047; July 19.
Constantin, Louis, Paris, and P. Fortier-Beaulieu, Roanne, France. Wind motor. 1,887,802; Nov. 15.
Constantine, Maria, New York, N. Y. Hat. Des. 87,563; Aug. 16.
Constantine, Maurice. (See Silverman, W., and Constantine.)
Constantine, Paul, New York, N. Y. Toothpick holder. Des. 86,762; Apr. 19.
Constantinovitch, Serge V., Prince Wlasemsky, London, England. Motor unit for bicycles, tricycles, and the like. 1,870,761; Aug. 9.
Construction Machinery Company. (See Mosby, Alfred D., assignor.)
Construction Materials Patents, Inc. (See Meadows, William R., assignor.)
Contact Filtration Company. (See Fuller, Ira K., assignor.)
Container Corporation of America. (See Gallistel, Clarence P., assignor.)
Container Corporation of America. (See Halladay, J. F., and Holy, assignors.)
Container Corporation of America. (See Holy, Mitchel E., assignor.)
Container Corporation of America. (See Miessler, Paul W., assignor.)
Container Corporation of America. (See Walter, Harrison B., assignor.)
Container Seal Company. (See Stiles, Thomas G., assignor.)
Conte, Maurice, assignor to Societe Anonyme d'Ougree-Marihaye, Ougree, near Liege, Belgium. Differential pressure gauge. 1,847,472; Mar. 1.
Conti, Adam, Akron, Ohio. Wheel rim. 1,860,308; May 24.
Conti, Eugene, Mount Vernon, assignor to A. Herz, New Rochelle, N. Y. Tube forming machine. 1,846,707; Feb. 23.
Conti, Eugene, Mount Vernon, assignor to A. Herz, New Rochelle, N. Y. Machine for making envelopes. 1,857,113; May 3.
Conti, Eugene, Mount Vernon, assignor to A. Herz, New Rochelle, N. Y. Apparatus for trimming drinking straws. 1,891,749; Dec. 20.
Continental Aircraft Engine Company. (See Du Bois, Ralph N., assignor.)
Continental Aircraft Engine Company. (See Niven, Archie M., assignor.)
Continental Aircraft Engine Company. (See Snyder, Oscar L., assignor.)
Continental Aircraft Engine Company. (See Waddell, William, assignor.)
Continental Building Specialties, Inc. (See Binford, Edwin B., assignor.)
Continental Can Company. (See Barlow, Ernest E., assignor.)
Continental Can Company. (See Coyle, J., and Plumb, assignors.)
Continental Can Company. (See Dodge, Merton L., assignor.)
Continental Can Company. (See Dodge, M. L., and Pearson, assignors.)
Continental Can Company. (See Dunbar, Arch R., assignor.)
Continental Can Company. (See Engelman, Joseph J., assignor.)
Continental Can Company. (See Fink, Henry A., assignor.)
Continental Can Company. (See Fink, H. A., and Schmidt, assignors.)
Continental Can Company. (See Flook, George, assignor.)
Continental Can Company. (See Fogarty, Thomas C., assignor.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See McDonald, C. D., and Deisch, assignors.)
Continental Can Company. (See Nicholson, Niels C., assignor.)
Continental Can Company. (See O'Neil, James H., assignor.)
Continental Can Company. (See Pearson, Paul E., assignor.)
Continental Can Company. (See Punte, William F., assignor.)
Continental Can Company. (See Punte, W. F., and Aulbach, assignors.)
Continental Can Company. (See Renshaw, Joseph H., assignor.)

Continental Can Company. (See Troyer, N., and Pearson, assignors.)
Continental Carbon Corporation. (See Kelly, Charles L., assignor.)
Continental Diamond Fibre Company. (See Frederick, Louis T., assignor.)
Continental Diamond Fibre Company. (See Haroldson, Arthur H., assignor.)
Continental Diamond Fibre Company. (See Howard, Lemuel L., assignor.)
Continental Diamond Fibre Company. (See Swallow, Gerald, assignor.)
Continental-Diamond Fibre Company. (See Taylor, John M., assignor.)
Continental-Diamond Fibre Company. (See Vacher, Ferguand, assignor.)
Continental Divco Company. (See Herman, Kenneth R., assignor.)
Continental-Divco Company. (See Maurer, E. R., and Ferguson, assignors.)
Continental Gin Company. (See Elliott, Thomas, assignor.)
Continental Illinois Bank & Trust Company, as trustee. (See Banker, Oscar H., assignor.)
Continental Mills, Inc. (See Milner, Emil, assignor.)
Continental Mills, Inc. (See Milner, E., and Walter, assignors.)
Continental Motors Corporation. (See Evelyn, Steven F., assignor.)
Continental Motors Corporation. (See Fink, James O., assignor.)
Continental Motors Corporation. (See Frederick, Walter A., assignor.)
Continental Motors Corporation. (See Frederick W., and Meyer, assignors.)
Continental Motors Corporation. (See Haltenberger, Jules, assignor.)
Continental Motors Corporation. (See Harris, William W., assignor.)
Continental Motors Corporation. (See Kalb, Lewis P., assignor.)
Continental Motors Corporation. (See Krels, Oscar C., assignor.)
Continental Motors Corporation. (See Lundborg, G. L. and Israel, assignors.)
Continental Motors Corporation. (See Meyer, Andre J., assignor.)
Continental Motors Corporation. (See Meyer, Andre J., and Kalb, assignors.)
Continental Motors Corporation. (See Niven, Archie M., assignor.)
Continental Motors Corporation. (See Sampson, Frederick W., assignor.)
Continental Motors Corporation. (See Sampson, F. W., assignor, and Tatter.)
Continental Motors Corporation. (See Wolfe, H. M., and Nicol, assignors.)
Continental Oil Company. (See Bennett, Edwin O., assignor.)
Continental Oil Company. (See Davis, Lloyd L., assignor.)
Continental Oil Company. (See Griswold, Edward H., assignor.)
Continental Oil Company. (See Griswold, E. H., and Nicklos, assignors.)
Continental Oil Company. (See Zurcher, Paul, assignor.)
Continental Optical Manufacturing Company. (See Bugbee, Lucian W., jr., assignor.)
Continental Paper & Bag Corporation. (See Gustin, Antone, assignor.)
Continental Paper & Bag Corporation. (See Lanz, Frederick J., assignor.)
Continental Process Corporation. (See Eisenberg, Abraham D., assignor.)
Continental Roll & Steel Foundry Company. (See Capper, Arthur M., assignor.)
Continental Roll & Steel Foundry Company. (See Reese, Franklin T., assignor.)
Continental Steel Corporation. (See Harter, William G., assignor.)
Continental Steel Corporation. (See Kellogg, C. A., and Williams, assignors.)
Continental Steel Corporation. (See Schueler, Julian L., assignor.)
Continental Steel Corporation. (See Skinner, Morley, assignor.)
Continental Steel Corporation. (See Williams, George N., assignor.)
Continsouza, Victor, and M. B. Combes, Paris, France. Cinematograph. 1,878,381; Sept. 20.
Continuous Gramophones Limited. (See Oyston, William R., assignor.)
Continuous Torque Transmission Company. (See Ahlm, C. E. F., and Elmslie, assignors.)
Conture, J. Burgi, Lakeland, Fla. Moving picture projector. 1,859,128; May 17.
Contois, Ely J., Battle Creek, assignor to Clark Tructractor Company, Buchanan, Mich. Coupler. 1,870,606; Aug. 9.
Contois, Ely J., and A. O. Williams, assignors to Clark Tructractor Co., Battle Creek, Mich. Coupler. 1,871,841; Aug. 16.
Control Equipment Corporation, Ltd. (See Odenbreit, Frank L., assignor.)
Convertible Duplex Die Corporation, The. (See McTague, Edward V., assignor.)
Conveyor Sales Company. (See Walter, Raymond A., assignor.)
Conway, Alfred A., Cincinnati, Ohio. Friction clutch. Reis.317; Jan. 5.
Conway, Baron von Girsewald, H. Weidmann, and G. Roesner, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of phosphates. 1,890,204; Dec. 6.
Conway, Donald M. J., Jasper, Alberta, Canada. Fountain pen. 1,848,605; Mar. 8.
Conway, Edith J. (See Morrison, Vandolah, assignor.)
Conway, Irvin M., and H. H. Harold, assignors to Journal Box Servicing Corporation, Indianapolis, Ind. Used journal box waste roll opener. 1,841,401; Jan. 19.
Conway, James M. (See Taylor, F. E., and Conway.)
Conway, John W. (See Loranzo, O., and Conway.)
Conway, Joseph T., Cleveland, Ohio. Closure operator. 1,874,903; Aug. 30.
Conzetti, Achille, assignor to the Firm: J. R. Geigy, S. A., Basel, Switzerland. Manufacture of strongly basic azodyestuffs. 1,875,221; Aug. 30.
Conzetti, Achille, assignor to the Firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of strongly basic azodyestuffs. 1,887,289; Nov. 8.
Conzetti, Achille, assignor to the Firm: J. R. Geigy S. A., Basel, Switzerland. Manufacture of strongly basic azodyestuffs. 1,887,290; Nov. 15.
Conzetti, Achille, assignor to J. R. Geigy S. A., Basel, Switzerland. Manufacture of strongly basic azo-dyestuffs. 1,887,996; Nov. 29.
Conzetti, Achille, assignor to the Firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of strongly basic azodyestuffs and their production. 1,888,297; Nov. 22.
Cook, A. D., Inc. (See Willers, George E., assignor.)
Cook, Adoniram J., Westerlo, N. Y. Combined wheel, axle, and anti-friction bearing. 1,849,847; Feb. 23.
Cook, Bernard, Roanoke County, Va. Pedestal binder for locomotive frames. 1,872,897; Aug. 23.
Cook, Bernard C., De Kalb, Ill., assignor to De Kalb Wagon Company. Brake and clutch control for motor vehicles. 1,861,049; May 31.
Cook, C. Lee, Manufacturing Company. (See Durham, Fred D., assignor.)
Cook, Charles A., Muskegon Heights, assignor of twenty-eight per cent to G. A. Biglow and twenty per cent to C. G. Smith, Fruitport, Mich. Combined folding table and seats. Des. 86,110; Feb. 2.
Cook, Charles B., Los Angeles, Calif. Apparatus for sterilizing containers. 1,865,255; Apr. 12.
Cook, Charles B., Los Angeles, Calif. Liquid bath apparatus. 1,877,816; Sept. 20.
Cook, Charles B., Los Angeles, Calif. Submerger. 1,877,817; Sept. 20.
Cook, Charles B., Los Angeles, Calif. Liquid bath apparatus. 1,877,818; Sept. 20.
Cook, Charles R., Canton, N. Y. Tool for removing terminal clamps from storage battery binding posts. 1,890,369; Dec. 6.
Cook, Clyde A., Paterson, N. J. Automatic warp beam adjustment. 1,839,649; Jan. 5.
Cook, David B., assignor to Acme Road Machinery Company, Frankfort, N. Y. Scarifier. 1,860,805; May 31.
Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,879,662; Sept. 27.
Cook, Earle S., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Multiple speed governor device. 1,891,668; Dec. 20.
Cook, Edward S. (See Van Houweling, A. C., and Cook.)
Cook Electric Company. (See Persons, Lawrence M., assignor.)
Cook, Ellsworth D., Scotia, N. Y., assignor to General Electric Company. Control circuit. 1,876,449; Sept. 6.
Cook, Everett J., assignor to The Dura Company, Toledo, Ohio. Latch. 1,866,011; July 5.
Cook, Frank J., and W. W. Kelly, Cleveland, Ohio, assignors, by mesne assignments, to The Nut Products Company. Electric oven. 1,880,822; Oct. 4.
Cook, Frank R., assignor to Deere & Company, Moline, Ill. Pitman for mowers. 1,846,385; Feb. 23.
Cook, Fred A., Rock Island, Ill. Shim. 1,876,468; Nov. 1.
Cook, Frederick L., South Melbourne, Victoria, Australia. Electric switch mechanism. 1,839,637; Nov. 29.
Cook, George C., Millington, N. J. Underfeed stoker apparatus. 1,860,354; May 31.
Cook, George E., New York, N. Y. Directory for drivers. 1,844,542; Feb. 9.
Cook, George H., Santa Barbara, Calif. Gear transmission. 1,860,017; May 24.
Cook, H. C., Company, The. (See Carter, C. S., and Duncan, assignors.)
Cook, Harris J., assignor to The Stanley Works, New Britain, Conn. Screw driver. 1,839,835; Jan. 5.
Cook, Henry M., et al. (See Logan, Amazon C., assignor.)
Cook, Henry W., assignor to A. E. Nettleton Company, Syracuse, N. Y. Shoe and manufacturing same. 1,871,211; Aug. 9.
Cook, Herbert E., Cuyahoga Falls, and D. J. Richards, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making laminated structures. 1,858,833; May 17.

Cook, Herbert R., assignor to Jefferson Electric Company, Chicago, Ill. Cartridge fuse. 1,854,450; Apr. 19.
Cook, Hugh M., Elkins Park, Pa., and W. H. T. Thornhill, Floral Park, assignors to Wailes, Dove-Hermiston Corporation, New York, N. Y. Apparatus for coating flanged couplings. 1,846,249; Feb. 23.
Cook, Hugo, Southport, Ind. Weight printing attachment for scales. 1,880,314; Oct. 4.
Cook, Hyacinth O., Philadelphia, Pa. Folding sweater stretcher. 1,871,567; Aug. 16.
Cook, Jesse C., Jeffersonville, Ind., assignor to American Creosoting Company, Louisville, Ky. Adzing machine. 1,864,204; June 21.
Cook, Joel R., Cleveland, Ohio, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electric switch. 1,872,122; Aug. 16.
Cook, John R., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric receptacle and housing therefor. 1,857,079; May 3.
Cook, John W., Topeka, Kans. Transmitter system. 1,839,650; Jan. 5.
Cook Laboratories, Inc. (See Bre Miller, Clifford E., assignor.)
Cook Laboratories, Inc. (See Fletcher, John P., assignor.)
Cook Laboratories, Inc. (See Stocklin, Clifford L., assignor.)
Cook, Louis H., and E. A. Dahlstrom, New Orleans, La. Sheet associator. 1,845,907; Feb. 16.
Cook, Lorin, assignor to The Foxboro Company, Foxboro, Mass. Measuring instrument. 1,855,704; Apr. 26.
Cook, Percy E. Bellevue, Pa., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical protective system. Re18,677. Nov. 29.
Cook, Percy E., Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Switch. 1,889,514; Nov. 29.
Cook, Peter T., Sausalito, Calif. Bird house. Des. 87,460; Aug. 2.
Cook, Ralph C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking hydrocarbon oils. 1,865,172; June 28.
Cook, Richard C., Aurora, Ill., assignor to Gifford-Wood Company, Hudson, N. Y. Bucket guiding attachment for traversing hoists. 1,848,075; Mar. 1.
Cook, Ruth H., et al. (See Logan, Amazon C., assignor.)
Cook, Samuel. (See Terrell, Cook.)
Cook, Samuel S., assignor to Curtis Companies, Inc., Clinton, Iowa. Demonstration set. 1,845,240; Feb. 16.
Cook, Stanley. (See Campbell, C. W., and Cook.)
Cook, Stanley S. (See Parsons, C. A., Cook, and Douglas.)
Cook, Stanley Smith, A. P. Bennett, and C. A. Parsons, deceased, Newcastle-on-Tyne, by C. Parsons, Kirkwhelpington, V. Thompson, Newcastle-on-Tyne, and F. G. H. Bedford, Wylam-on-Tyne, England, executors. Turbine. 1,855,512; Nov. 1.
Cook, Thomas, Stalybridge, assignor, by mesne assignments, to Camco (Machinery) Limited, London, England. Gathering and/or collating sheets of paper, book signatures, or the like. 1,861,460; May 31.
Cook, Willard G., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,847,081; Mar. 1.
Cook, William. New York, N. Y., assignor to Warman & Cook, Inc. Lighting fixture. Des. 88,756; Dec. 27.
Cook, William E., St. George, assignor to General Cable Corporation, New York, N. Y. Wire splicer. 1,854,782; Apr. 19.
Cook, William E., St. George, assignor to General Cable Corporation, New York, N. Y. Stranded wire connecter. 1,854,783; Apr. 19.
Cooke, Alexander H., assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Brining apparatus. 1,863,898; June 21.
Cooke, Allen B., assignor to E. E. Fairchild Corporation, Rochester, N. Y. Game board. Des. 87,204; June 21.
Cooke, Allen B., assignor to United Autographic Register Company, Chicago, Ill. Autographic register. 1,858,953; May 17.
Cooke, Allen B., Danville, Ill., assignor to United Autographic Register Co. Autographic register. 1,871,212; Aug. 9.
Cooke, Allen B., Danville, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,873,550; Aug. 23.
Cooke & Cobb Company, The. (See Doughty, George E., assignor.)
Cooke Electric Refrigeration Company. (See Cooke, George J., assignor.)
Cooke, Eli H., and I. B. Cooke, Spokane, Wash. Display stand. 1,875,563; Sept. 6.
Cooke, Frederick R. (See McRae, W. L., and Cooke.)
Cooke, Geoffrey H., London, assignor to Handley Page Limited, Cricklewood, England. Fuse-setting device for aircraft bombs. 1,880,132; Sept. 27.
Cooke, George J., assignor to Cooke Electric Refrigeration Company, Chicago, Ill. Seal for rotating shafts. 1,869,953; Aug. 2.
Cooke, George T., South Norwalk, Conn. Lock for castel lated nuts. 1,858,039; May 10.
Cooke, Heyward L., Pelnceton, N. J., assignor to Cooke Patents Incorporated, New York, N. Y., Auditorium. 1,854,542; Apr. 19.
Cooke, Irwin B. (See Cooke, Eli H. and I. B.)
Cooke, John M., Beachmont, assignor to Nicholas W. Mathey, Lynn, Mass. Trimming machine. 1,891,257; Dec. 20.
Cooke, Milton W., Mount Lebanon, Pa., and S. Stolp, Louisville, Ky. Trolley harp control of current selective relay. 1,852,149; Apr. 5.
Cooke, Norman. (See Aspen, H., and Cooke.)
Cooke Patents Incorporated. (See Cooke, Hereward L., assignor.)
Cooke, Rupert G., St. Petersburg, Fla. Toothbrush. 1,860,924; May 31.
Cooke, Terence. (See Robinson, Frederick H., assignor.)
Cooke, Thomas S. (See Diggs, S. H., McGee, and Cooke.)
Cooke, Thomas S., New York, N. Y., and O. C. Brewster, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oils. 1,871,114; Aug. 9.
Cooke, William. Baltimore, Md. Safety razor blade sharpener. Des. 86,763; Apr. 19.
Cookson, Clarence F. (See Berg, C., and Cookson.)
Cookson, Clarence F., Lyndhurst, N. J., assignor to Counter Cooking Machine Corporation, New York, N. Y. Cooker. 1,858,490; Nov. 29.
Cookson, Frank, Newcastle-on-Tyne, England. Roof support for use in mines. 1,858,954; May 17.
Cookson, Geoffrey B., Marlow, England. Decorticating fibrous materials. 1,855,941; Apr. 26.
Cool, Henry R., assignor to The Service Recorder Company, Cleveland, Ohio. Service recorder. 1,865,060; June 28.
Cool, Henry R., assignor to The Service Recorder Company, Cleveland, Ohio. Totaling device. 1,883,765; Oct. 18.
Cooley, Edward H., Belmont, Mass. Preparing fish and other meats. 1,861,471; Oct. 4.
Cooley, Ralph C., Houston, Tex. Artificial tooth mounting. 1,860,806; May 31.
Cooley, Volmer, Roosevelt, Wash. Dispensing device. 1,875,705; Sept. 6.
Cooley, William B., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Magnetic control system. 1,845,241; Feb. 16.
Cooley, William B., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Conveyer. 1,858,484; May 17.
Cooley, William B., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Belt conveyer. 1,858,764; May 17.
Cooley, William B., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Magnetic control system. 1,861,687; June 7.
Cooley, William J., Jefferson, Ga. Aeroplane. 1,870,493; Aug. 9.
Cooley-Wright Manufacturing Company. (See Falardeau, Victor W., assignor.)
Coolick, Thomas J., Detroit, Mich. Trouble light for automobiles. 1,858,538; May 17.
Coolidge, Cole, and H. S. Holt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncaking pigmented coating compositions and making same. 1,863,334; June 21.
Coolidge, Leigh H., assignor to Coolidge Propeller Company, Seattle, Wash. Regulator for adjusting the pitch to propeller blades while in motion. 1,879,659; Sept. 27.
Coolidge, Oliver H., Bedford Hills, N. Y., assignor to American Telephone and Telegraph Company, System for neutralizing crosstalk between signaling circuits. 1,861,524; June 7.
Coolidge Propeller Company. (See Coolidge, Leigh H., assignor.)
Cooling & Air Conditioning Corporation, The. (See Fleisher, Walter L., assignor.)
Cooling Tower Co., The. (See Phillips, Louis A., assignor.)
Coombs, Harold E., Glendale, Calif. Flower stand. Des. 86,221; Feb. 16.
Coomer, Bradley. (See Busby, Junius E., assignor.)
Cooney, David C., Easthampton, Mass. Pulley remover. 1,871,711; Aug. 9.
Cooney, Francis M., and G. T. Darragh, Brandon, Manitoba, Canada. Humidor. 1,866,621 July 12.
Cooney, Frank B., Sandusky, Ohio. Ink product. 1,843,661; Feb. 2.
Cooney, Frank B., assignor to The American Crayon Company, Sandusky, Ohio. Closure for collapsible tubes. 1,854,451; Apr. 19.
Cooney, Frank B., assignor to The American Crayon Company, Sandusky, Ohio. Nondrip siphon and agitator. 1,876,860; Sept. 13.
Cooney, Frank B., and J. P. Spore, assignors to The American Crayon Company, Sandusky, Ohio. Vial. 1,889,963; Dec. 6.
Cooney, Maurice J., et al. (See Grace, Benjamin R., assignor.)
Cooper-Bessemer Corporation, The. (See Chapman, William B., assignor.)
Cooper-Bessemer Corporation. (See Gebres, Hewitt A., assignor.)
Cooper-Bessemer Corporation. (See Gebres, H. A., and Shepherd, assignors.)
Cooper, Charles, and D. M. Henshaw, assignors to W. C. Holmes and Company, Limited, Huddersfield, England. Dehydration of fuel gases. Re18,563; Aug. 9.
Cooper, Charles, Company. (See Barratt, William T., assignor.)

Cooper, Charlotte G., Columbus, Ohio. Decorating mirrors and the like. 1,858,355 ; May 17.
Cooper Compressor Company. (See Cooper, Herbert, assignor.)
Cooper, Earl E., assignor to Chambers, Bering, Quinlay Company, Decatur, Ill. Container valve and bushing fitting in combination therewith. 1,856,747 ; May 3.
Cooper, Edward, Newton, assignor to New England Mica Co., Waltham, Mass. Press for commutator rings and the like. 1,856,319 ; May 3.
Cooper, Edwin H., assignor to Los Angeles Soap Company, Los Angeles, Calif. Dispensing device. 1,880,823 ; Oct. 4.
Cooper, Fred V., Cadillac, Mich. Door. 1,889,638 ; Nov. 29.
Cooper-Gee Limited. (See Guggenheim, Constant, assignor.)
Cooper, George A. S. (See Cox, John W.)
Cooper, George A. S., administrator. (See Cox, John W.)
Cooper, George C., London, England. Compound eccentric mechanism. 1,875,854 ; Sept. 6.
Cooper, George E. (See Furnas, W. C., and Cooper.)
Cooper, George R., Upper Darby Township, Delaware County, Pa. Phonograph-dictaphone communication apparatus. 1,857,438 ; May 10.
Cooper, Glenn A., assignor to Cruver Manufacturing Company, Chicago, Ill. Mechanical pencil. 1,853,509 ; Apr. 12.
Cooper, Harry, Carrollton, Mo. Animal trap. 1,889,351 ; Nov. 29.
Cooper, Harry O., Herman, Nebr. Furrow packing machine. 1,843,110 ; Feb. 2.
Cooper, Herbert, assignor to Cooper Compressor Company, Brooklyn, N. Y. Compressor and vacuum pump. 1,854,692 ; Apr. 19.
Cooper, Hugh S., and M. Merlub-Sobel, Cleveland, Ohio, assignors to Kenel Laboratories, Inc. Coating substances. 1,878,112 ; Sept. 20.
Cooper, Hyman, Linden, N. J. Folded shirt and folding same for display purposes. 1,873,954 ; Aug. 30.
Cooper, Israel W., New York, N. Y. Spring clip for ornaments and the like. 1,875,420 ; Sept. 6.
Cooper, Jesse E., assignor to Western Venetian Blind Company, Los Angeles, Calif. Window blind. 1,854,543 ; Apr. 19.
Cooper, John J., London, England, assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper feeding and retaining arrangement for typewriters. 1,871,445 ; Aug. 16.
Cooper, Joseph, New York, N. Y. Side for extension tables. 1,886,648 ; Nov. 8.
Cooper, Joseph. (See Webber, J. and Cooper.)
Cooper, Jonnett F., Great Neck, assignor to American Cyanamid Company, New York, N. Y. Fumigation composition and process. 1,889,950 ; Dec. 6.
Cooper, Lester R., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Attemperator for superheated steam. 1,853,662 ; Apr. 12.
Cooper, Martin, Thomasville, N. C. Rotary combustion engine. 1,858,823 ; May 17.
Cooper, Maxey C., Detroit, Mich. Wall papering machine. 1,864,409 ; June 21.
Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,846,629 ; Feb. 23.
Cooper, Simon, Brooklyn, N. Y. Wrapping machine. 1,865,084 ; June 28.
Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,884,578 ; Oct. 25.
Cooper Spring Service Company. (See Bagnall, Edwin, assignor.)
Cooper, Stewart S. (See Levi, Jack W., assignor.)
Cooper, Stewart S., Cincinnati, Ohio. Aviator's helmet. 1,879,104 ; Sept. 27.
Cooper, Thomas L., Cloquet, Minn. Log retaining and unloading device. 1,868,973 ; Nov. 29.
Cooper, Waldren H., Parkersburg, W. Va. Piston ring. 1,867,656 ; July 19.
Cooper, William E., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Valve mechanism for automatic liquid weighing scales. 1,851,348 ; Mar. 29.
Cooper, William J. (See Clifton, E., and Cooper.)
Co-Operative Embroidery Company. (See Pohl, Friedrich H. M., assignor.)
Coopersmith, Rudolph, St. Louis, Mo. Davenport bed. 1,842,248 ; Jan. 19.
Coordes, C. S. (See Webster, Lawrence B., assignor.)
Coors, Adolph, assignor to Coors Porcelain Company, Golden, Colo. Coffee maker. 1,889,543 ; Nov. 29.
Coors, Adolph, Golden, Colo. Malted milk container. 1,887,345 ; Nov. 8.
Coors Porcelain Company. (See Coors, Adolph, assignor.)
Coote, John M., assignor of one-half to H. J. Lucke, New York, N. Y. Voltmeter designed to indicate the charge condition of a storage battery. 1,849,074 ; Mar. 15.
Copaken, Herman. (See Kreider, Gilbert S., assignor.)
Copalit Reflecting Signal Company. (See Coppel, Leonard H., assignor.)
Cope, Edge T., R. D. Parkinson, and F. M. Price, Detroit, Mich., assignors to Elliott Fisher Company. Power operating mechanism for typewriters. 1,863,744 ; June 21.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Heat treating furnace. Re18,668 ; Nov. 29.
Cope, Frank T. and A. H. Vaughan, assignors to The Electric Furnace Company, Salem, Ohio. Resistor grid. 1 851,160 ; Mar. 29.
Cope, Frank T., and A. H. Vaughan, assignors to The Electric Furnace Company, Salem, Ohio. Resistor grid. 1,851,161 ; Mar. 29.
Cope, Frank T., and A. H. Vaughan, assignors to The Electric Furnace Company, Salem, Ohio. Handling arrangement for furnaces. 1,869,468 ; Aug. 2.
Copeland, Clint M., Marland, assignor to Acme Foundry and Machine Company, Blackwell, Okla. Wheel guard. 1,845,870 ; Feb. 8.
Copeland, Francis C., San Francisco, Calif., assignor to A. W. Diack, Ann Arbor, Mich. Lighter for cigars and cigarettes. 1,844,200 ; Feb. 9.
Copeland, Frank B. (See Prentice, W. G., and Copeland.)
Copeland Products, Inc. (See Muffly, Glenn, assignor.)
Copeland Products, Inc. (See Replogle, John R., assignor.)
Copeland Products, Inc. (See Saunders, John E., assignor.)
Copeland Products Inc. (See Scullen, Hugh J., assignor.)
Copeland Products, Inc. (See West, Frank R., assignor.)
Copeland, Robert J., Toronto, Ontario, Canada. Hat form. 1,845,076 ; Feb. 16.
Copeland, Robert J., Toronto, Ontario, Canada. Holder for loose-leaf binders. 1,873,921 ; Aug. 23.
Copeland, Robert J., Toronto, Ontario, Canada. Loose leaf binder. 1,874,465 ; Aug. 30.
Copeland & Thompson, Incorporated. (See Thompson, Sidney E., assignor.)
Copelin, Carl M., deceased, Duncan, Okla.; R. Copelin, administrator. Water gauge. 1,854,110 ; Apr. 12.
Copelin, Le Roy, Jacksonville, Fla. Balance bearing for clocks and the like. 1,843,868 ; Feb. 2.
Copelin, Roxie, administrator. (See Copelin, Carl M.)
Copell, Daniel, Atlantic City, N. J. Smoking pipe. 1,864,410 ; June 21.
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman Laboratories Company. (See Wetmore, Miner F., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing unit. 1,839,651 ; Jan. 5.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating system. 1,840,619 ; Jan. 12.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating system. 1,840,702 ; Jan. 12.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Cooling chamber for a mechanical refrigerating unit. 1,872,685 ; Aug. 23.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Method and apparatus for freezing liquids. 1,879,759 ; Sept. 20.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Flexible sharp freezing container. 1,879,902 ; Sept. 27.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating unit. 1,879,922 ; Sept. 27.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing structure. 1,882,209 ; Oct. 11.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Method and apparatus for refrigeration. 1,887,580 ; Nov. 15.
Copenhaver, Philip A., Chicago, Ill. High chair. 1,887,234 ; Nov. 8.
Copenhaver, Preston S., Bayonne, N. J., E. A. Demonet, and W. F. Callahan, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Switchboard jack. 1,880,824 ; Oct. 4.
Cope-Swift Corporation. (See Wilcox, Leroy, assignor.)
Copithorn, Walter E., Natick, Mass. Adjustable foot support. 1,853,550 ; Apr. 12.
Copland, Alexander W., Birmingham, Mich. Lapping machine. 1,848,108 ; Mar. 8.
Copland, George W., Lawrence, N. Y. Oil tester. 1,886,085 ; Nov. 1.
Coplen, Clarence W. (See Coplen, Millicent V. and C. W., and Majors.)
Coplen, Millicent V. and C. W., Nine Mile Falls, and W. B. Majors, Spokane, Wash. Game apparatus. 1,890,770 ; Dec. 13.
Copony, Alfred, assignor to Gertrude Copony, Mount Clemens, Mich. Oiling device for automobiles. 1,849,047 ; Mar. 8.
Copony Auto Loading Company et al. (See Stipes, R. W., and Hoose, assignors.)
Copony, Gertrude. (See Copony, Alfred, assignor.)
Copp, Ralph, assignor to Pevely Dairy Company, St. Louis, Mo. Liquid cooler. 1,856,467 ; May 3.
Coppage, William R., Cherrydale, Va. Conveyer chain. 1,857,529 ; May 10.
Coppage, William R., Cherrydale, Va. Conveyer chain. 1,869,050 ; July 26.
Coppel, Leonard H., Los Angeles, Calif. Swimming appliance. 1,850,660 ; Mar. 22.
Coppel, Leonard H., assignor, by mesne assignments, to Copalite Reflecting Signal Company, Ltd., Los Angeles, Calif. Traffic warning device. 1,849,419 ; Mar. 15.

Copper Deoxidation Corporation. (See Stout, Harry H., assignor.)
Copper Deoxidation Corporation. (See Stout, H. H., jr., and Osborn, assignors.)
Copperweld Steel Company. (See Frank, Robert J., assignor.)
Copperweld Steel Company. (See Selquist, Rolf, assignor.)
Copperweld Steel Company. (See Whitehead, Frederick A., assignor.)
Copple, James L., Kansas City, Kans. Toy gun. 1,847,559; Sept. 13.
Coppock, Fred D., Greenville, Ohio. Mobile spreader. 1,892,566; Dec. 27.
Coppus, Frans H. C., assignor to A. M. C. Wechsberg, V. L. Wood, and F. H. C. Coppus, trustees, Worcester, Mass. Pumping device. 1,842,960; Jan. 26.
Coppus, Frans H. C., assignor to A. M. C. Wechsberg, V. L. Wood and F. H. C. Coppus, trustees, Worcester, Mass. Locomotive feed water heater. 1,842,961; Jan. 26.
Coppus, Frans H. C., assignor to A. M. C. Wechsberg, V. L. Wood and F. H. C. Coppus, trustees, Worcester, Mass. Locomotive feed water heater. 1,842,962; Jan 26.
Coppus, Frans H. C., assignor to A. M. C. Wechsberg, V. L. Wood, and F. H. C. Coppus, Worcester, Mass., trustees. Smoke diluting and draft inducing apparatus. 1,853,236; Apr. 12.
Coppus, Frans H. C., assignor to A. M. C. Wechsberg, V. L. Wood, and F. H. C. Coppus, trustees, Worcester, Mass. Blower. 1,858,581; May 17.
Coppus, Frans H. C., et al., trustees. (See Coppus, Frans, H. C., assignor.)
Coquille, Emile H., Paris, assignor to Societe Anonyme des Usines Chausson, Asnieres, Seine, France. Rear box device for motor vehicles. 1,846,544; Feb. 23.
Coquille, Emile H., Paris, assignor to Societe Anonyme des Usines Chausson, Asnieres, Seine, France. Trunk and wheel carriers. 1,866,012; July 5.
Coram, Roy E., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation system. 1,850,989; Mar. 22.
Corbett, Alfred, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switchboard lamp. 1,858,819; May 17.
Corbett, Alfred, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc quencher for circuit breakers. 1,858,942; July 5.
Corbett, Alfred, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,872,932; Aug. 16.
Corbett, Claude M., assignor of one-half to R. Moncrief, Shreveport, La. Fractionating tower. 1,848,462; Mar. 8.
Corbett, Edward L. (See Wallace, Mardel, assignor.)
Corbett, Edwin P. (See Bell, William D., assignor.)
Corbett, Mitchell S., Chicago, Ill. Vaginal douche. 1,868,728; July 26.
Corbin, Elbert A., jr., Swarthmore, Pa. Hot water stove and storage tank. 1,856,693; May 3.
Corbin, Elbert A., jr., Swarthmore, Pa. Braking and cooling mechanism for vehicle wheels. 1,859,280; May 24.
Corbin, Elbert A., jr., Swarthmore, assignor of one-half to W. C. Biddle, Lansdowne, Pa. Hot water stove. 1,856,623; May 3.
Corbin, Elbert A., jr., Swarthmore, assignor of one-third to W. C. Biddle, Lansdowne, and one-third to W. A. Brown, Philadelphia, Pa. Transmission for vehicle wheels. 1,869,952; Nov. 29.
Corbin, William E., Sentinel, Okla. True sampling mechanism for cotton condensers. 1,839,374; Jan. 5.
Corbihn, Henri, Paris, France. Machine for homogenizing liquids. 1,848,606; Mar. 8.
Corby, John S., Windsor, England. Presser and stretcher for trousers or other fabric garments or articles. 1,885,809; Nov. 1.
Corces, Ramiro, Tampa, assignor of one-half to J. A. Prieto, Miami, Fla. Cigar mold. 1,880,825; Oct. 4.
Corcoran-Brown Lamp Company, The. (See Johnson, Roy W., assignor.)
Corcoran-Brown Lamp Company, The. (See Mappes, William L., assignor.)
Corcoran-Brown Lamp Company, The. (See Schmidt, John F., assignor.)
Corcoran, Edward P., and W. B. Hadley, assignors to J. L. Kellogg, Chicago, Ill. Defiberizing machine. 1,881,398; Oct. 4.
Corcoran, Edward P., and W. B. Hadley, assignors to J. L. Kellogg, Chicago, Ill. Defiberizing machine. 1,886,871; Nov. 8.
Corcoran, Laurence M., Caldwell, N. J., assignor to O. R. Platter and H. Frankel, North Vernon, Ind. Picture projecting and sound reproducing machine. 1,858,485; May 17.
Corcoran, Lewis L., Jackson Heights, assignor to The United States Gauge Company, New York, N. Y. Method and apparatus for automatically controlling the character of discharge from a multifluid pumping system. 1,848,243; Mar. 8.
Corcoran, Thomas D., et al. (See Martin, Emmet G., assignor.)
Corderman, Roy C., Chevy Chase, Md., assignor to American Telephone and Telegraph Company. Transmission regulator system. 1,871,959; Aug. 16.
Cordes, Edward C., assignor to The Hyde Park Lumber Company, Cincinnati, Ohio. Knock down shelving. 1,890,076; Dec. 6.
Cordes, John H., St. Louis, Mo. Oiling system for pumps or compressors. 1,849,223; Mar. 15.
Cordier, Georges, Calais, France. Lace. Des. 86,764; Apr. 19.
Cordier, Georges, Calais, France. Lace. Des. 86,828; Apr. 26.
Cordier, Georges, Calais, France. Lace. Des. 86,997; May 24.
Cordier, Georges, Calais, France. Lace. Des. 87,146; June 14.
Cordray, Thornton L., Cleveland, Ohio. Automobile signaling device. 1,865,506; July 5.
Cordrey, Hannah E., et al., administrators. (See Cordrey, Oliver C.)
Cordrey, Oliver C., deceased, by H. E. Cordrey and Eastern Shore Trust Company, administrators, and E. W. Townsend, assignors to said Ernest W. Townsend, Salisbury, Md. Strawberry. Pl. Pt. 46; Nov. 29.
Cords, Otto, assignor to Felten & Guilleaume Carlswerk Aktien-Gesellschaft, Cologne-Mulheim, Germany. Deep sea cable. 1,877,497; Sept. 13.
Corduan, Gustave F., assignor to Corduan Manufacturing Company, Chicago, Ill. Chair. 1,869,365; Aug. 2.
Corduan Manufacturing Company. (See Corduan, Gustave F., assignor.)
Cordy, Ivor, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Jar. Des. 86,353; Mar. 1.
Cordy, Ivor, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Jar. Des. 86,667; Apr. 5.
Cordy, Ivor, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Jar. Des. 86,668; Apr. 5.
Cordy, Ivor, Washington, Pa., assignor to Hills Brothers Company, Inc., New York, N. Y. Jar. Des. 87,386; July 19.
Cordy, Ivor, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Jar. Des. 87,770; Sept. 13.
Corell, Martin. (See Kranzlein, G., and Corell.)
Corell, Martin. (See Kranzlein, G., Corell, and Vollmann.)
Corell, Martin. (See Kranzlein, G., Vollmann, and Corell.)
Corell, Martin. (See Kunz, M. A., Kraenzlein, Koeberle, Corell, Berhold, and Vollmann.)
Corell, Victor. (See Perrigo, G. E. M., and Corelli.)
Corey, Fred B., Barberton, Ohio. Forming tapered holes in metal castings. 1,872,899; Aug. 23.
Corey, Fred W., Tilton, N. H. Machine knitting machine latch needles. 1,874,457; Aug. 30.
Corey, Vaughn E., Chicago, Ill. Charge forming device for internal combustion engines. 1,843,306; Feb. 2.
Coriglano, Peter, Brooklyn, N. Y., assignor to Bright Star Battery Company, Hoboken, N. J. Shipping and display box for dry cells. 1,875,705; Sept. 6.
Corinblatt, Max. (See Sebell, Harry, assignor.)
Corino, Aurelio, assignor of thirty-five per cent to F. D'Orsi, Bethlehem, Pa. Combined shade and curtain bracket. 1,843,014; Jan. 26.
Coriett, Edwin H., Lewisboro, and G. M. Smith, jr., Brooklyn, assignors to Submarine Signal Surveys, Inc., New York, N. Y. Dissipation of static electricity in film cameras. 1,848,871; Mar. 8.
Corley, Clifton, and R. Manning, Greenville, S. C. Cloth guide. 1,857,941; May 10.
Corley, John T., Providence, R. I. Adjustable number plate frame. 1,857,942; May 10.
Corley, John T., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I. Turret standpipe and manufacture thereof. 1,857,941; May 3.
Corley, John T., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I. Valve controlled standpipe. 1,880,826; Oct. 4.
Corley, Mark, H., assignor to Procunier Safety Chuck Company, Chicago, Ill. Tap holder. 1,857,012; May 3.
Cormier, Alfred J., Bellflower, Calif. Core barrel. 1,849,345; Mar. 15.
Cornelius Aircraft Corporation. (See Cornelius, George F., assignor.)
Cornelius, Frank H., Swissvale, Pa. Liquid fuel burner. 1,853,339; Apr. 26.
Cornelius, Gaston. (See Flodin, N., and Cornelius.)
Cornelius, George W., and Lowndes, assignor to Cornelius Aircraft Corporation, Limited, Los Angeles, Calif. Airplane. 1,865,744; July 5.
Cornelius, Louis A., assignor to Wolverine Brass Works, Grand Rapids, Mich. Wrench. 1,844,033; Feb. 9.
Cornelius, Louis A., assignor to Wolverine Brass Works, Grand Rapids, Mich. Valve mechanism. 1,887,235; Nov. 8.
Cornelissen, Elias S., called Cornell, Chicago, Ill. H. D. Freitag, Lynbrook, and C. Sporn, Manhattan Beach, N. Y.; said Cornelissen assignor to The Delta Star Electric Company, Chicago, Ill. Electric station. 1,884,579; Oct. 25.
Cornelissen, Elias S., called Cornell, assignor to The Delta Star Electric Company, Chicago, Ill. Electrical switching station. 1,884,580; Oct. 25.
Cornell. (See Cornelissen, Elias S.)
Cornell, Arthur W., assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Modifying photographic images. 1,892,099; Dec. 27.

Cornell Bag Corporation. (See Cornell, John E., assignor.)
Cornell Bag Corporation. (See Currier, Andrew E., assignor.)
Cornell Bag Corporation. (See Currier, Arthur L., assignor.)
Cornell, Edward S., jr., Larchmont, N. Y. Pipe fitting and making the same. 1,850,040; Mar. 15.
Cornell, Edward S., jr., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Underground-storage-tank installation. 1,836,669; Aug. 2.
Cornell, Edward S., jr., Watertown, assignor to The Chase Companies, Waterbury, Conn. Vent-caps for vent-pipes, etc. 1,837,119; Nov. 3.
Cornell, Edward S., jr., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Tube straightening-and-bending machine. 1,839,775; Dec. 6.
Cornell, Franklin M., Brooklyn, assignor to Stimuplant Laboratories, inc., Long Island City, N. Y. Bacterial product. 1,891,750; Dec. 20.
Cornell, Fred A., Windsor, Ontario, Canada. Packing box. 1,847,598; Mar. 1.
Cornell, Fred A., Windsor, Ontario, Canada, assignor to John Cornell Packing machine. 1,832,317; Oct. 11.
Cornell, Fritz G., jr., Mountain Lakes, N. J. Surface cooler and heater. 1,874,458; Aug. 30.
Cornell, George M., assignor to The Wolfrath Co., Sheboygan, Wis. Vitalizer dish and cover. 1,843,918; Feb. 9.
Cornell, James L., Schenectady, N. Y., assignor to General Electric Company. Voltage regulator for alternating current apparatus. 1,847,865; Mar. 1.
Cornell, John C. (See Cornell, Fred A., assignor.)
Cornell, John E., Chicago, Ill., assignor, by mesne assignments, to Cornell Bag Corporation. Bag. 1,870,672; Aug. 9.
Cornell, Noyce L. (See Reid, F. G., and Cornell.)
Cornell, Ray V. (See Peterson, A., and Cornell.)
Cornell, Viola. (See Reddy, David W., assignor.)
Cornely, Berthold, Mannheim, and R. Richter, Ludwigshafen-on-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of effect papers and apparatus therefor. 1,850,327; Oct. 4.
Corner, Douglas C., Webster Groves, assignor of one-half to St. Louis Power Shovel Company, St. Louis, Mo., and one-half to L. Eaton, Ishpeming, Mich. Winding device. 1,850,224; Mar. 21.
Corner, Douglas C., Webster Groves, assignor to St. Louis Power Shovel Company, St. Louis, Mo. Loading machine. 1,851,263; Oct. 4.
Coraet, André, Lyon, France. Silk-recorder. 1,851,895; Mar. 29.
Cornett, Walter V., Brooklyn, N. Y., assignor to Rapid Pavement Breaker Corporation. Pavement breaking machine. 1,891,221; Dec. 20.
Cornett, Walter V., Brooklyn, N. Y., assignor to Rapid Pavement Breaker Corporation. Tool for demolition machines. 1,891,222; Dec. 20.
Cornine-Hakanson Die Casting Co. (See Cornine, M., and Hakanson, August.)
Cornine, Marshall, Mount Vernon, and A. Hakanson, Bronx, assignors to Cornine-Hakanson Die Casting Co., Inc., New York, N. Y. Coin controlled mechanism. 1,850,382; Mar. 22.
Cornine, Marshall, Mount Vernon, and A. Hakanson, Bronx, assignors to Cornine-Hakanson Die Casting Co., Inc., New York, N. Y. Coin controlled mechanism. 1,850,383; Mar. 22.
Corning Glass Works. (See Bailey, James, assignor.)
Corning Glass Works. (See Daniewski, Wlodzimierz M., assignor.)
Corning Glass Works. (See Fulcher, Gordon S., assignor.)
Corning Glass Works. (See Gray, David E., assignor.)
Corning Glass Works. (See Gray, D. E., and Strait, assignor.)
Corning Glass Works. (See Hood, Harrison P., assignor.)
Corning Glass Works. (See Locke, Fred M. and F. J., assignors.)
Corning Glass Works. (See Marshall, Albert E., assignor.)
Corning Glass Works. (See Rising, Walter H., assignor.)
Corning Glass Works. (See Sears, David B., assignor.)
Corning Glass Works. (See Weber, Walter C., assignor.)
Corning Glass Works. (See Willis, Sanford L., assignor.)
Cornish, Harry S., New York, N. Y. Apparatus for cooling and carbonating portable liquids. 1,886,408; Nov. 8.
Cornock, Edward F., assignor to Jackes-Machinery Company, Springfield, Mass. Wrapping machine. 1,872,898; Aug. 23.
Cornstalk Products Company. (See Darling, Elton R., assignor.)
Corn Stnes Serum Company, The. (See Wipple, G. E., and Cornell, assignor.)
Cornu, Maurice, Marcinelle, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Alternating current machine. 1,839,290; Jan. 5.
Cornuelle, George, Cincinnati, Ohio. Bricklayer's leveling and plumbing device. 1,878,448; Sept. 20.
Cornwall, Clement A. K., Victoria, British Columbia, Canada. Wheel lock and easy starting device for vehicles. 1,886,169; Nov. 1.
Cornwell, Artemus O. (See Prouse, Marge V., assignor.)
Cornwell, Arthur L., Wellsville, N. Y. Wheel puller. Re18,556; Aug. 9.
Cornwell, Arthur L., Wellsville, N. Y. Wheel puller. 1,858,238; May 17.
Cornwell, Virgil O., D. L. Middendorf, and A. Moeller, assignors to The Federal Glass Company, Columbus, Ohio. Method and apparatus for shaping articles of glass. 1,849,823; Mar. 15.
Cornyn, William A., New York, N. Y. Alarm switch. 1,892,330; Dec. 27.
Coronet Phosphate Company. (See Gooch, Stapleton D., assignor.)
Coronet Phosphate Company. (See Gooch, S. D., and Waggaman, assignors.)
Coronet Phosphate Company. (See Waggaman, W. H., and Gooch, assignors.)
Coronet Phosphate Company. (See Waggaman, W. H., Gooch, and Kerschbaum, assignors.)
Corozone Company. (See Cosby, Arthur W., assignor.)
Corozone Company, The. (See Evans, Albert E., assignor.)
Corr, John T. (See Crandall, Henry F., assignor.)
Corradino, Ernesto, New York, N. Y. Mechanical floating device. 1,890,970; Dec. 13.
Corrall, Herbert, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Differential feeding mechanism for sewing machines. 1,879,106; Sept. 27.
Correct Measure Company. (See Foster, John R., assignor.)
Correct Measure Company. (See MacKenzie, George W., assignor.)
Correll, Charles J., et al. (See Marx, Louis, assignor.)
Correll, George H., Brooklyn, and D. R. Schnaars, New Hyde Park, N. Y. Fire escape. 1,887,499; Nov. 15.
Corrigan, Leslie F., Chicago, Ill. Wall cabinet. 1,874,245; Aug. 30.
Corrigan, William J., East Syracuse, N. Y. Changeable sign. 1,847,069; Mar. 1.
Corrington, Andrew F., Enfield, N. C. Combined level and plumb. 1,885,586; Oct. 18.
Corry-Jamestown Manufacturing Corporation. (See Vanderhoof, Lawrence A., assignor.)
Corsaili, Friedrich W., Berlin, Germany. Device for the refining, mixing, and purifying of molten metals and metal alloys. 1,863,686; June 21.
Corson, Chilon E., and W. A. Wright, Bridgeport, as signor to The Milford River and Machine Company, Milford, Conn. Automatic riveter. 1,858,001; May 10.
Corson, George E., and A. P. Bryant, assignors to Clinton Corn Syrup Refining Company, Clinton, Iowa. Making crystalline dextrose. 1,886,941; Nov. 8.
Corson, Michael G. New York, N. Y., assignor to The Durion Company, Inc., Dayton, Ohio. Treating iron-silicon alloys. 1,852,836; Apr. 5.
Corson, Michael G., Jackson Heights, N. Y., assignor to National Lead Company. Refining lead. 1,876,617; Sept. 13.
Corsten, H., et al. (See Buchmüller, Alfred, assignor.)
Corthell, Robert N., Auburn, Me. Bobbin and making the same. 1,866,624; July 12.
Corwin, Harry D., Walnut Park, Calif. Rotary drying apparatus. 1,873,995; Aug. 30.
Cory, Chas., Corporation. (See Feder, Joseph B., assignor.)
Cory, Chas., Corporation. (See Jones, Joseph S., assignor.)
Cory, Samuel I., Towaco, N. J., assignor to American Telephone and Telegraph Company. Transmission system. 1,857,238; May 10.
Coryell, Charles N., Mamaroneck, N. Y. Vanity case. 1,860,079; May 24.
Coryell, William C., Youngstown, Ohio. Metal lath slitting press. 1,877,819; Sept. 20.
Coryell, William C., assignor to Republic Steel Corporation, Youngstown, Ohio. Cold rolling metal. 1,877,645; Sept. 13.
Coseo, Fred C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Cut-out. 1,852,697; Apr. 5.
Coseo, Fred C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Cut-out. 1,852,699; Apr. 5.
Coseo, Frederick C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Cable reel. 1,843,504; Feb. 2.
Coseo, Frederick C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Casing for electric apparatus. 1,852,698; Apr. 5.
Cosgrove, Caroline, administratrix. (See Cosgrove, John W., deceased.)
Cosgrove, Caroline E., administratrix. (See Cosgrove, John W.)
Cosgrove, Claude, Middle Park, and A. E. Chadwick, Norford Grove, Kooyong, assignors to Hume Steel Limited, Melbourne, Australia. Method of and apparatus for use in the manufacture of metallic meshing, netting, and like fabric. 1,879,760; Sept. 20.
Cosgrove, John T., Kansas City, Mo. Puller. 1,873,294; Aug. 23.
Cosgrove, John W. (See Sawyer, H. L., and Cosgrove.)
Cosgrove, John W., deceased; C. E. Cosgrove, Medford, Mass., administratrix, assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,849,540; Mar. 15.
Cosgrove, John W., deceased; C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,851,162; Mar. 29.

Cosgrove, John W., deceased; C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 1,866,012; July 5.
Cosgrove, William H. (See Brooke, F. W., and Cosgrove.)
Cosner, E. M. (See Hatke, Charles W., assignor.)
Coss, Wilbur. (See Carroll, F., and Coss.)
Costa, Anthony F., assignor to Bilt-Rite Manufacturing Company, Athens, Ga. Folding table. 1,876,274; Sept. 6.
Costa, Charles, Lodi, Calif. Air blast fire extinguisher. 1,863,920; June 21.
Costello, Charles J., assignor to G. H. Meiser, Chicago, Ill. Attachment for an internal combustion engine. 1,888,758; Nov. 22.
Costello Engineering Company. (See Kneass, Strickland, jr., assignor.)
Costello, Francis J., Newton, Mass. Cap for collapsible tubes. 1,862,662; June 14.
Costello, Henry O., Providence, R. I. Game appliance. 1,877,820; Sept. 20.
Costello, William F., assignor to The New Britain Machine Company, New Britain, Conn. Support for benches and the like. 1,887,399; Nov. 8.
Costenbader, John H., Norfolk, Va. Toothbrush. 1,859,129; May 17.
Costigan, Charles A., Los Angeles, Calif. Pie crust forming machine. 1,860,705; May 31.
Costigan, Peter J. (See Eisen, Otto W., assignor.)
Costigan, Peter J., Interbrand Corporation, Boston, Mass. Textile fabric and manufacture. 1,874,084; Aug. 30.
Cote, George A., Springfield, Mass., assignor of one-half to L. A. Lively, Redstead. 1,875,421; Sept. 6.
Cote, Thomas F., Clinton, Iowa. Visible link cartridge fuse. 1,852,700; Apr. 5.
Cotes, William A., assignor to Reo Motor Car Company, Lansing, Mich. Wheel assembly machine. 1,856,277; May 3.
Cot-A-Lap Company, The. (See Prifold, George, assignor.)
Cottar, Robert. (See King, W. H., and Cottar.)
Cotter, A. (See Neville, H., and Cotter.)
Cotterman, Frederick W. (See Apple, V. C., and Cotterman.)
Cotterman, Frederick W., assignor to Vincent G. Apple Laboratories, Dayton, Ohio. Making commutators. 1,883,736; Oct. 18.
Cotti, Aldo, Milan, Italy. Hand apparatus for roughing cloth. 1,890,147; Dec. 6.
Cottle, Robert L. (See Cottle, William A. and R. L.)
Cottle, William A. and R. L., Tallassee, Ala. Roll stand reamer. 1,861,907; June 7.
Cottner, Oscar, Louisville, Ky. Children's swing. 1,845,832; Feb. 16.
Cotton, Cecil W., Tulsa, Okla., assignor to Wailes Dove-Hermiston Corporation, New York, N. Y. Traveling pouring pot for pipe coatings. 1,853,337; Apr. 12.
Cotton, Hilton L., Hazelhurst, Miss. Automatic liquid distributor. 1,847,926; Mar. 1.
Cotton, John A., Calgary, Alberta, Canada. Valve lead control for valve gear mechanism. 1,860,355; May 31.
Cotton, Robert, Hathigden, England. Loom for weaving. 1,892,299; Dec. 27.
Cotton, Robert E., Chattanooga, Tenn. Window shade control. 1,869,639; Nov. 29.
Cotton, Walter H. (See Barnard, H., and Cotton.)
Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,855,514; Apr. 26.
Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,865,838; July 5.
Cottrell, C. B., & Sons, Company. (See Barber, Howard M., assignor.)
Cottrell, C. B., & Sons Company. (See Cottrell, Calvert B., 3d, assignor.)
Cottrell, C. B., & Sons Company. (See Cundall, Constant T., assignor.)
Cottrell, C. J. (See Holtzman, John, assignor.)
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Device for determining relative motor speeds. 1,853,663; Apr. 12.
Cottrell, Calvert B., 3d., assignor to C. B. Cottrell & Sons Company, Westerley, R. I. Bed and cylinder printing press. 1,868,311; July 19.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Electric motor drive for web printing, longitudinal folding, and transverse cutting mechanism. 1,886,525; Nov. 8.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Electric motor drive for web printing, cutting and folding mechanism. 1,886,526; Nov. 8.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Electric motor drive for web printing and cutting mechanisms. 1,886,527; Nov. 8.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Electric motor drive for web printing mechanism. 1,886,528; Nov. 8.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Bed and cylinder printing press. 1,886,529; Nov. 8.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Bed and cylinder printing press. 1,886,530; Nov. 8.
Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Latch. 1,887,792; Nov. 22.
Cottrell, Frederick E., Modesto, Calif. Combination filler hose and automatic valve. 1,864,978; June 28.
Cottrell, George A., assignor to Rollins Hosiery Mills, Des Moines, Iowa. Forming picot edges in stockings. 1,843,270; Feb. 2.
Cottrell, Herbert T., Vancouver, British Columbia, Canada. Self-engaging reverse motion brake. 1,863,556; June 21.
Cottrell, Holland D., Detroit, Mich. Loose leaf binder. 1,852,701; Apr. 5.
Cottrell, Warner G., Columbus, Ohio. Economizer. 1,843,383; Feb. 2.
Coty, Inc. (See Tourtois, Fernand, assignor.)
Coty, Inc. (See Tourtois, Fernand R., assignor.)
Couade, Maurice, Paris, France. Door and passage of cinematographic apparatus. 1,881,352; Oct. 4.
Couade, Maurice, Paris, France. Device for the automatic stop of the film in a cinematograph. 1,889,465; Nov. 29.
Coubrough, George B., Long Beach, Calif., assignor, by mesne assignments, to The Lumnus Company. Purifying oil vapors. 1,844,583; June 23.
Couce, S. H., Company. (See Kenerson, Stanley M., assignor.)
Couch, David H., Darien, Conn. Air or gas washer. 1,879,107; Sept. 27.
Couch, Glenn F. (See Barrows, D. S., and Couch.)
Couch, Glenn F., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Railway truck. 1,843,065; Jan. 26.
Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Roller bearing. 1,849,040; Mar. 8.
Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,882,066; Oct. 11.
Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Centering device. 1,884,581; Oct. 25.
Couch, Jean D., East Point, Ga. Seat suspension. 1,862,953; June 14.
Couch, William W. (See Wolff, C. J., and Couch.)
Coudert, Jean G. M., Issy-les-Moulineaux, and Jean Baptiste Terme, St. Etienne, France. Knitting machine. 1,875,855; Sept. 6.
Coughlin, James M., Wilkes-Barre, Pa. Cover for shipping drums. 1,868,940; July 26.
Coughlin, John J., jr., Bachita, N. Mex. Automatic cut-out. 1,882,275; Oct. 11.
Coughtry, William R., Flint, assignor to General Motors Corporation, Detroit, Mich. Clutch. 1,872,250; Aug. 16.
Coubig, William G., Painesville, Ohio. Sealing threaded pipe joints. 1,875,708; Sept. 6.
Coulapides, Anthony, New York, N. Y. Cigarette and cigar box. 1,863,190; June 14.
Couls, George R., Detroit, Mich. Cutting tool alloy. 1,866,469; Nov. 14.
Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 1,861,264; May 31.
Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 1,861,265; May 31.
Coultas, Wilbur J. (See Paradise, L. A., and Coultas.)
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Hayrake. 1,850,384; Mar. 22.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Hayrake. 1,850,385; Mar. 22.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Crank wheel shield for mowers. 1,857,273; May 10.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Shaft bearing for corn harvesters. 1,873,295; Aug. 23.
Coultas, Wilbur J., Rock Island, assignor to Deere & Company, Moline, Ill. Mower. 1,877,272; Sept. 13.
Coultas, Wilbur J., and N. D. Colvin, assignors to Deere & Company, Moline, Ill. Universal joint. 1,852,344; Apr. 5.
Coultas, Wilbur J., and N. D. Colvin, assignors to Deere & Company, Moline, Ill. Corn harvester. 1,852,702; Apr. 5.
Coultas, Wilbur J., and C. J. Frederiksen, assignors to Deere & Company, Moline, Ill. Draft connection. 1,856,468; May 3.
Coulter, Edward, et al. (See Coulter, Philip A., assignor.)
Coulter, Herbert, et al. (See Coulter, Philip A., assignor.)
Coulter, Joseph B., Mission, Tex. Air cleaner. 1,842,316; Jan. 19.

Coulter, Philip A., Lahoma, assignor of twenty-five per cent to S. H. McEvoy, Enid, and twenty-five per cent to E. Coulter and twenty-five per cent to H. Coulter, Lahoma, Okla. Combined differential and change speed gearing. 1,846,187; Feb. 23.

Coulter, Samuel N., Los Angeles, Calif. Clasp for garment supports. 1,873,551; Aug. 23.

Coulthard, Albert, and E. H. Rodd, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of new Xanthen dyes. 1,885,591; Nov. 1.

Coulthard, Albert, and E. H. Rodd, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of new xanthene dyes. 1,885,592; Nov. 1.

Council, John M., Wananish, N. C. Device for removing bark from logs. 1,873,697; Aug. 23.

Counter Cooking Machine Corporation. (See Berg, C., and Cookson, assignors.)

Counter Cooking Machine Corporation. (See Cookson, Clarence F., assignor.)

Countryman, Guy A., Ashland, Ohio. Automobile repair tool. 1,850,972; Mar. 22.

Countryman, Guy A., Ashland, Ohio. Frame straightening tool. 1,879,979; Sept. 27.

Coupland, Richard C., U. S. Army, Norfolk, Va. Bolt operating mechanism for machine guns. 1,845,242; Feb. 16.

Coupland, Richard C., U. S. Army, Norfolk, Va. Cooling jacket for machine gun barrels. 1,879,603; Sept. 27.

Coupland, Richard C., Norfolk, Va. Mount for machine guns. 1,883,339; Oct. 18.

Coupland, Richard C., U. S. Army, Norfolk, Va. Ammunition feed box. 1,890,639; Dec. 13.

Courser, Fred M., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,856,155; May 3.

Coursey, Philip R., Richmond, England, assignor to Dubilier Condenser Corporation, New York, N. Y. Multiple or built-up electrical condenser. 1,845,120; Feb. 16.

Coursey, Philip R., Richmond, and H. Andrewes, London, England, assignors to Dubilier Condenser Corporation, New York, N. Y. Reactance device. 1,865,616; July 5.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Rod weeder. 1,873,552; Aug. 23.

Courtaulds Limited. (See Biddulph, Hugh, assignor.)

Courtaulds Limited. (See Diamond, Claude, assignor.)

Courtaulds Limited. (See Glover, W. H., and Bond assignors.)

Courtaulds Limited. (See Morton, Eric A., assignor.)

Courtenay, Frederic D., Short Hills, N. J., assignor to Embossograf Corporation of America, New York, N. Y. Signal. 1,854,240; Oct. 4.

Courthope, Thomas F., Geneseo, and W. H. McGuire, Retsof, N. Y., assignors to Retsof Mining Company, Scranton, Pa. Method and apparatus for dissolving salts. 1,892,331; Dec. 27.

Courtney, Nicholas P., Passaic, N. J. Receptacle opener. Re18,447; May 3.

Courtney, Robert P., East Orange, and V. E. Meharg, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y. Controlling reactions. 1,840,186; Jan. 5.

Courtois, Arthur J., Montague City, Mass., assignor of one-fourth to J. P. Clary, Hartford, Conn. Compressor apparatus. 1,839,640; Nov. 29.

Courtright, Robert E., Columbus, Ohio. Spectacle temple hinge. 1,845,582; Feb. 16.

Courvoisier, Georges, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric generator regulating system. 1,863,298; June 14.

Couse, Kibbey W. (See Christie, H. E., and Couse.)

Cousin, Paul A. J., Loos les Lille, assignor to Etablissements Forest et Scottez Societe Anonyme, Paris, France. Grate for gas producers. 1,849,975; Mar 15.

Cousineau, Alfred G. J., Chicago, Ill. Aircraft construction. 1,879,693; Sept. 27.

Cousins, Alfred H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing tool. 1,877,890; Aug. 16.

Cousins, James I., et al. (See Alcala, Pablo, assignor.)

Cousins, Walter G., Brockton, Mass. Shoe last buffing or polishing machine. 1,879,108; Sept. 27.

Coutant, Jay G., New York, N. Y. Purification of furnace or other gases. 1,866,193; July 5.

Coutant, Jay G., New York, N. Y., assignor, by mesne assignments, to Drake Non-Clinkering Furnace Block Company, Inc. Pulverized fuel combustion. 1,858,450; May 17.

Coutant, Jay G., assignor to Furnace Engineering Company, New York, N. Y. Pulverized fuel combustion. 1,858,451; May 17.

Coutant, Jay G., New York, N. Y. Multiple steam drum boiler. 1,887,152; Nov. 8.

Coutt, Isadore, St. Louis, Mo. Tailor's gauge. 1,846,472; Feb. 23.

Coutts, William, Pittsburgh, Pa. Laundry hanger drier. 1,869,238; July 26.

Couture, Allan B., assignor to Chrysler Corporation, Detroit, Mich. Automobile wheel. Re18,578; Aug. 23.

Couture, Joseph D., Stamford, Conn. Window cleaner. 1,840,023; Jan. 5.

Couwenhoven, Abraham C., assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Pneumatic control system. 1,847,688; Mar. 1.

Couwenhoven, Abraham, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Scissors shape collector for electric vehicles. 1,858,359; May 17.

Couzinet, René A. A., Levallois-Perret, France. Hydroplane. 1,842,858; Jan. 26.

Couzinet, René A. A., Levallois-Perret, France. Compensating devices of rudder and elevator controls of airplanes. 1,842,859; Jan. 26.

Covell, Bradford S., Cambridge, Mass., assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Prevention of corrosion. 1,878,468; Sept. 20.

Covell Corporation, The. (See Covell, Earl D., assignor.)

Covell, Earl D., Philadelphia, Pa., assignor to The Covell Corporation, Wilmington, Del. Wall construction. 1,846,849; Feb. 23.

Covell, Earl D., Philadelphia, Pa., assignor to The Covell Corporation, Wilmington, Del. Wall construction and building unit therefor. 1,859,236; May 17.

Covelle, Albert E., Boston, Mass. Oculist's sight testing apparatus. 1,850,168; Mar. 22.

Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Clothes rack. 1,848,927; Mar. 8.

Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Toy gun. 1,868,312; July 19.

Cover, Harry C., assignor to himself and L. M. Hendler, Baltimore, Md. Grinding ice cream freezer scrapers. 1,846,905; Feb. 16.

Cover, Owen, Goshen, Ind. Oil testing device. 1,870,282; Aug. 9.

Cover, Ralph, Baltimore, Md. Machine for cutting grain kernels from an ear of corn and the cutting blades therefor. 1,889,057; Nov. 29.

Covert Manufacturing Company. (See Baxter, John B., assignor.)

Covey, Arthur, Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer loader. 1,839,375; Jan. 5.

Covey, Chester C., Clarks Summit, Pa. Spraying nozzle. 1,863,685; June 21.

Covey, Felix M., Duluth, Minn. Aircraft propeller. 1,877,821; Sept. 20.

Covey, John E. (See Lobner, C. L., and Covey.)

Covey, John E., assignor to Swift and Company, Chicago, Ill. Branding device. 1,845,475; Apr. 26.

Coviello, Anthony, Denver, Colo. Lawn sprinkler. 1,867,878; July 19.

Covitch, Jacob, Edenburg, Pa. Tag holder for garments. 1,863,472; June 14.

Cowan, Andrew T., Rensselaer, N. Y. Sanding apparatus. 1,877,475; Sept. 13.

Cowan, B. F. (See Christensen, Marinus, assignor.)

Cowan, Edward J., Dedham, Mass., assignor, by mesne assignments, to General Electric Company. Insulating casing condenser assembly. 1,889,244; Nov. 29.

Cowan, F. L., et al. (See Masterson, William E., assignor.)

Cowan, Francis L., et al. (See Masterson, W. E., and Price, assignors.)

Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Conductor system for signaling current. 1,840,434; Jan. 12.

Cowan, Glen P. (See Kellogg, H. C., and May, assignors.)

Cowan, Glen P. (See May, Edward M., assignor.)

Cowan, Grace A., executrix. (See Kellogg, H. C., and May.)

Cowan, Harrison J., Douglaston, N. Y., assignor to Kinatome Patents Corporation, New York, N. Y. Combined cabinet and screen for a motion picture projector. Des. 88,222; Nov. 8.

Cowan, Henry W., Toronto, Ontario, Canada. Apparatus and method of processing and drying lumber and similar material. 1,887,011; Nov. 8.

Cowan, Roysel J., assignor to Surface Combustion Corporation, Toledo, Ohio. Case hardening metals. 1,888,491; Nov. 22.

Cowardin, Harry A. (See Cowardin, Samuel P. and H. A.)

Cowardin, Samuel P., and H. A. Cowardin, Richmond, Va. Method of operating internal combustion engines. 1,871,115; Aug. 9.

Cowdery, Arthur B., Needham, Mass., assignor to The Barrett Company, New York, N. Y. Rubber composition and producing the same. 1,847,641; Mar. 1.

Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Arrow for archery. 1,842,540; Jan. 26.

Cowdery, Robert H., Geneva, assignor to The American Fork and Hoe Company, Cleveland, Ohio. Bow for archery. 1,848,768; Mar. 8.

Cowdery, Robert H., Geneva, assignor to American Fork & Hoe Company, Cleveland, Ohio. Method and mechanism for grinding rods. 1,864,584; June 28.

Cowdery, Robert H., assignor to The American Fork & Hoe Company, Geneva, Ohio. Fishing rod. 1,874,246; Aug. 30.

Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Bow. 1,877,273; Sept. 13.

Cowdin, Charles E., Portland, Oreg., assignor to Cowdin Company. Folding table. 1,854,887 ; Apr. 19.
Cowdin Company. (See Cowdin, Charles E., assignor.)
Cowdrey Brake Tester Organization, Incorporated, The. (See Cowdrey, Charles F.)
Cowdrey, C. H., Machine Works. (See Cowdrey, Henry E., assignor.)
Cowdrey, Charles F., assignor to The Cowdrey Brake Tester Organization, Incorporated, Fitchburg, Mass. Automobile brake testing machine. 1,872,123 ; Aug. 16.
Cowdrey, Charles F., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Brake testing device. 1,882,356 ; Oct. 11.
Cowdrey, Henry E., assignor to C. H. Cowdrey Machine Works, Fitchburg, Mass. Button. 1,851,618 ; Mar. 29.
Cowell, Robert F., Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Metallic trussed aerial ladder. 1,887,546 ; Nov. 15.
Cowie, Florence, Ealing, London, England. Fire Prevention device for cinematograph film apparatus. 1,882,276 ; Oct. 11.
Cowin, Stuart H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing assembly. 1,872,251 ; Aug. 16.
Cowles, Edwin, Short Hills, assignor to Cowles Engineering Corporation, Newark, N. J. Method and apparatus for disseminating solids in liquids. 1,883,597 ; Oct. 18.
Cowles Engineering Corporation. (See Cowles, Edwin, assignor.)
Cowles, Irving, assignor to Union Bank of Chicago, Chicago, Ill. Force feed lubricating system, etc. 1,861,611 ; July 19.
Cowles, Irving, assignor to Union Bank of Chicago, Chicago, Ill. Force-feed lubricating system. 1,875,706 ; Sept. 6.
Cowles, Irving, Detroit, Mich., assignor to Union Bank of Chicago, Chicago, Ill. Force feed lubricating system, etc. 1,868,629 ; July 26.
Cowles, Orion W., Spokane, Wash. Vehicle coupling. 1,851,349 ; Mar. 29.
Cowles, Thomas L., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Transmission lubricating means. 1,850,340 ; Mar. 22.
Cowles, William A. (See Willshaw, H., Cowles, and Smith.)
Cowley, James T., North Scituate, Mass., and L. C. Allen, assignors to The Lamson Company, Syracuse, N. Y. Conveying apparatus. 1,872,670 ; Aug. 16.
Cowlin, Eugene D., assignor to The Reliance Manufacturing Company, Massillon, Ohio. Forming nonentangling spring washers. 1,850,525 ; Mar. 22.
Cowlin, Eugene D., assignor to The Reliance Manufacturing Company, Massillon, Ohio. Spring washer. 1,847,252 ; July 26.
Cowlin, Eugene D., assignor to The Reliance Manufacturing Company, Massillon, Ohio. Spring washer, Multiple coil. 1,858,791 ; May 17.
Cowlishaw, Skevington Dickinson. (See Steele, George, Cowlishaw, and Capey.)
Cowperthwait, Arthur T., Watertown, and F. Reutter, assignors to Scovill Manufacturing Company, Waterbury, Conn. Shell for lamp sockets. 1,850,536 ; Mar. 22.
Cox, Adam M., assignor to Lynchburg Hosiery Mills, Lynchburg, Va. Knitting machine. 1,891,023 ; Dec. 13.
Cox, Alfred L., and Fred Hall, Hardwick, Vt. Stone sawing machine. 1,890,109 ; Dec. 6.
Cox, Allen, assignor of one-half to F. E. Brown, Ames, Iowa. Shaft extractor. 1,891,869 ; Dec. 20.
Cox, Arthur V. (See Zimmlewicz, A. J., and Cox.)
Cox, Bryce H., and H. I. Snow, Winston-Salem, N. C.; said Snow assignor to said Cox. Heat control device. 1,846,067 ; Oct. 18.
Cox, Claude E., Detroit, Mich. Internal combustion indicator. 1,890,601 ; Dec. 13.
Cox, Edward L., Kenmore, assignor of one-half to C. V. Damon, Buffalo, N. Y. Heating and ventilating unit. 1,845,243 ; Feb. 16.
Cox, Floyd W. (See Meyer, C. R., and Cox.)
Cox, George C. (See McIntyre, H. K., and Cox.)
Cox, George D., Philadelphia, Pa. Number displaying device for telephone instruments. 1,845,650 ; Feb. 16.
Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Cooling calcium carbide. 1,889,951 ; Dec. 6.
Cox, George S., and H. J. Almstedt, assignor to Argyle Production Company, St. Louis, Mo. Liquid dispensing device. 1,851,350 ; Mar. 29.
Cox, Harry W., and D. H. Moore ; said Moore assignor to said Cox, Weston-super-Mare, England. Antitobacco confection. 1,870,098 ; Aug. 2.
Cox, Henry G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto-electric generator. 1,848,322 ; Mar. 8.
Cox, Irving L., and W. E. Kirst, Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrating nitric acid. 1,878,676 ; Sept. 20.
Cox, James N., et al. (See Smith, Larry L., assignor.)
Cox, John E. P., Rochester, N. Y. Prick punch. 1,874,460 ; Aug. 30.
Cox, John L., Springfield Township, Montgomery County and F. B. Foley, Philadelphia, Pa. Metal alloy. 1,892,384 ; Dec. 27.
Cox, John W., deceased, by G. A. S. Cooper, Newark, N. J., administrator, assignor to The Nestle-Lemur Company, New York, N. Y. Plug connecter. Des. 86,515 ; Mar. 15.
Cox, John W., assignor to The Gilchrist Company, Newark, N. J. Disher. 1,862,527 ; June 14.
Cox, John W., deceased, by G. A. S. Cooper, Newark, N. J., administrator, assignor to The Nestle-Lemur Company, New York, N. Y. Hair-waving machine. 1,890,047 ; Dec. 6.
Cox, Nostrand and Gunnison, Inc. (See Gunnison, Foster, assignor.)
Cox, Oscar, Cotton Valley, La., and O. C. Willis, Norphlet, Ark. Wrist pin. Re18,604 ; Sept. 20.
Cox, Patrick, Lake Worth, Fla. Airplane. 1,861,336 ; May 31.
Cox, Paul F., assignor to Goss Printing Press Company, Chicago, Ill. Ink fountain adjusting device. 1,889,203 ; Jan. 5.
Cox, Percy, and F. McPartland, Johnson City, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,848,163 ; Mar. 8.
Cox, Samuel F. (See Snow, N. L., and Cox.)
Cox, Seth J. (See Witherup, Harry K., assignor.)
Cox, Thomas K., and H. L. Gassett, Columbus, Ga. Spinning frame saddle. 1,860,452 ; May 31.
Cox, Warren R. (See Taylor, Alvin A. W., assignor.)
Cox, Wesley S. (See Frech, Jacob B. and E. J., and Cox.)
Cox, William E., New York, N. Y. Circuit controlling device. 1,875,707 ; Sept. 6.
Cox, William F., New York, N. Y. Combined clock and radio case. Des. 88,406 ; Nov. 29.
Cox, William P., assignor of the Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,891,753 ; Dec. 20.
Coxe, Helen B., executrix. (See Lagergren, G. M., and Coxe.)
Coxe, William G. (See Lagergren, G. M., and Coxe.)
Coy, Charles W., assignor of one-half to A. F. Germond, Oneonta, N. Y. Anti-freeze feeder for pipe lines. 1,839,836 ; Jan. 5.
Coy, Harley A., Mascot, Tenn. Safety razor blade sharpener. 1,876,618 ; Sept. 13.
Coy, John, Hartford, Conn. Solution dispensing attachment. 1,879,109 ; Sept. 27.
Coy, Joseph A., Norwood, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Lighting structure. 1,889,605 ; Jan. 5.
Coyle, Andrew M., Mt. Vernon, N. Y. Tunnel construction. 1,881,421 ; Oct. 11.
Coyle, Francis B., Jersey City, N. J., assignor to The International Nickel Company, Inc. High strength gray cast irons. 1,887,732 ; July 19.
Coyle, James E., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Guide mechanism for use in connection with welding machines and the like. 1,851,001 ; Mar. 29.
Coyle, John, Baltimore, Md., and W. Plumb, Jersey City, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Machine for soldering nozzles to can bodies. 1,883,992 ; Nov. 1.
Coyle, Joseph L., London, Ontario, Canada, assignor to L. Benoit, Chicago, Ill. Case for eggs and like commodities. 1,849,611 ; Mar. 15.
Coyle, Joseph L., London, Ontario, Canada, assignor to E. Banning, trustee, Chicago, Ill. Egg carton. 1,850,074 ; Sept. 20.
Coyle, Paul L., Coraopolis, Pa., assignor to Republic Steel Corporation, Youngstown, Ohio. Die rolling. 1,860,608 ; May 31.
Coyle, Paul L., Coraopolis, Pa., assignor, by mesne assignments, to Republic Steel Corporation, Jersey City, N. J. Guide box. 1,877,822 ; Sept. 20.
Coyne, David, New York, N. Y. Electric circuit breaker and burglar alarm. 1,891,751 ; Dec. 20.
Coyne, David, New York, N. Y. Electric circuit controller. 1,891,752 ; Dec. 20.
Cozatchy, Stephen. (See Glschlar, P., and Cozatchy.)
Cozzolino, Donato, assignor to Giulia Cozzolino, San Jacinto, Calif. Stabilizing cereal beverages. 1,892,457 ; Dec. 27.
Cozzolino, Giulia. (See Cozzolino, Donato, assignor.)
Crabbe, Lindsay T., assignor to Phoenix-Hermetic Company, Chicago, Ill. Closure for jars. 1,849,976 ; Mar. 15.
Crabbe, Lindsay T., Chicago, Ill., assignor to Phoenix-Hermetic Company, Brooklyn, N. Y. Jar closure. 1,866,194 ; July 5.
Crabbe, Lindsay T., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill. Jar closure. 1,885,687 ; Nov. 1.
Crabbs, Herbert J. (See Sandin, J., and Crabbs.)
Crabbs, Herbert J., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,845,783 ; Feb. 16.
Crabtree, Charles H., Leeds, England. Inking mechanism for printing machines. 1,862,785 ; June 14.
Crabtree, David L., Millard, Nebr. Poultry feeding device. 1,859,582 ; May 24.
Crabtree, George W., Cleveland Heights, Ohio. Controlling device for laminated vehicle springs. 1,858,916 ; May 17.
Crabtree, George W., Cleveland, Ohio. Laminated vehicle spring. 1,860,656 ; May 31.

Crabtree, George W., Cleveland Heights, Ohio. Controlling device for leat regions. 1,860,657 ; May 31.
Crabtree, George W., Cleveland Heights, Ohio. Vehicle spring. 1,860,658 ; May 31.
Crabtree, John A., Sutton, Coldfield, England. Electric switch. 1,850,661 ; Mar. 22.
Craddock, Douglas L., Leaksville, N. C. Lightning arrester. 1,852,567 ; Dec. 27.
Craft, Earl F. (See Harris, B. H., and Craft.)
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Folding mechanism. 1,857,114 ; May 3.
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Web roll supporting mechanism. 1,858,543 ; Aug. 2.
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Web roll supporting mechanism. 1,874,994 ; Aug. 30.
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Web tension controlling mechanism. 1,858,549 ; Nov. 22.
Crafts, Otis E., Manchester, N. H. Heel base and making the same. 1,872,124 ; Aug. 16.
Cragg, George L., Chicago, Ill., assignor to H. A. Douglas, Brenton, Ind., and Chicago, Controller. 1,857,043 ; May 3.
Crago, Alan C., deceased, by S. D. Crago, administrator, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,841,091 ; Jan. 12.
Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Remote control system. 1,869,185 ; July 26.
Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 1,871,499 ; Aug. 16.
Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Electric regulator. 1,872,681 ; Aug. 23.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,846,708 ; Feb. 23.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection. 1,865,195 ; Apr. 26.
Crago, Paul H., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway traffic governing apparatus. 1,855,772 ; Apr. 26.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,859,780 ; May 24.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,864,805 ; June 28.
Crago, Samuel D., administrator. (See Crago, Alan C.)
Craig, Albert B., and J. Ross, Dayton, Ohio. Lubricating device. 1,840,934 ; Jan. 12.
Craig, Arthur B., Bethesda, Md. Device for the transmission of mechanical power. 1,865,839 ; July 5.
Craig, Carl J., and J. E. Nielsen, Chicago, Ill.; said Craig assignor to said Nielsen. Motion picture apparatus. 1,874,998 ; Aug. 30.
Craig, Charles P. (See Moreton, Henry H., assignor.)
Craig, Charles F., et al. (See Moreton, Henry H., assignor.)
Craig, Charles W. (See Brown, C. A., Van Sickle, and Craig.)
Craig, Colgate. (See Frey, C. N., Brown, and Craig.)
Craig, David, Los Angeles, Calif. Full vision visor. 1,887,871 ; Nov. 15.
Craig, Edward, St. Joseph, deceased; The Commercial National Bank, Executor, assignor to Saranac Machine Company, Benton Harbor, Mich. Wirebound barrel and manufacture thereof. 1,839,466 ; Jan. 5.
Craig, Edward, St. Joseph, assignor, by mesne assignments, to Saranac Bag Sealers, Inc., Benton Harbor, Mich. Machine for closing containers. 1,889,193 ; Nov. 29.
Craig, Frank R., River Edge, N. Y. Gearing for auto vehicles. 1,867,497 ; July 12.
Craig, George. (See Thomas, A., and Craig.)
Craig, John F., Wilmington, Del., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Foot controlled brake equipment. 1,865,035 ; June 28.
Craig, John M., Roxeburne, England. Cooling of rotary engines. 1,866,398 ; July 5.
Craig, John H., Oil City, Pa. Typewriter copyholder. 1,867,498 ; July 12.
Craig, Ollison, and L. V. Andrews, assignors to Riley Stoker Corporation, Worcester, Mass. Fuel burner. 1,843,662 ; Feb. 2.
Craig, Richard M., assignor, by mesne assignments, to T. W. Menefee, San Antonio, Tex. Display apparatus. 1,843,919 ; Feb. 9.
Craig, Richard M., assignor, by mesne assignments, to T. W. Menefee, San Antonio, Tex. Display apparatus. 1,877,646 ; Sept. 13.
Craig, Robert, Dayton, Ohio, assignor to International Business Machines Corporation, a Machine for indicating weight and functions of weight. 1,848,769 ; Mar. 8.
Craig, Robert D. (See Cone, Harry C., assignor.)
Craig, Robert F. (See Hornbuckle, W. P., and Craig.)
Craig, Roderick. (See Terry, J. B., and Craig.)
Craig, William D., Meadville, Pa., assignor to Hookless Fastener Company. Garment. 1,883,587 ; Oct. 18.
Craigo, John M., Hartford, Conn. Dental impression device. 1,886,872 ; Nov. 8.
Crain, Charles E. (See Sturgis, L. C., and Crain.)
Crain, Darrell C., Washington, D. C. Badge. Des. 86,354 ; Mar. 4.
Crain, Darrell C., Washington, D. C. Badge. Des. 88,335 ; Nov. 15.
Crain, Harold E., Black River, N. Y. Wrench. 1,855,127 ; Apr. 19.
Craise, Fred L., El Segundo, and H. G. Vesper and H. G. Griffith, Inglewood, assignors to Standard Oil Company of California, San Francisco, Calif. Treating oils. 1,891,402 ; Dec. 20.
Craise, Frederick L. (See Osmer, J. H., and Craise.)
Crain, Hervey G., assignor to Maine Seaboard Paper Company, Bucksport, Me. Sealpit stock saver. 1,860,610 ; May 31.
Crain, Leroy V., and J. F. Wilson, assignors to General Motors Corporation, Detroit, Mich. Hood catch. 1,871,779 ; Aug. 16.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,850,448 ; Mar. 22.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,880,829 ; Oct. 4.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,880,830 ; Oct. 4.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch and operating mechanism therefor. 1,880,831 ; Oct. 4.
Cramblet, Paul K., Weslaco, Tex., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,880,832 ; Oct. 4.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Leer feeder. 1,852,556 ; Apr. 5.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware annealing leers. 1,854,452 ; Apr. 19.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware annealing leer. 1,854,453 ; Apr. 19.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming apparatus. 1,859,074 ; May 17.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware annealing leer. 1,863,687 ; June 21.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Conveyer. 1,888,309 ; Nov. 22.
Cramer, George H., North Tonawanda, N. Y. Passenger carrying amusement device. 1,849,211 ; Mar. 1.
Cramer, Jacob, Philadelphia, and M. Sherr, Germantown, assignors to I. J. Williams and J. T. Manning, jr., Philadelphia, Pa., receivers for Perklomen Trust and Bag Company, Inc., Pocket. 1,872,970 ; Aug. 16.
Cramer, Mearl E., Jamestown, N. Y. Combined table lamp and picture frame. Des. 86,765 ; Apr. 19.
Cramer, Otto P., San Francisco, Calif. Ironing board cabinet. 1,858,765 ; May 17.
Cramer, Otto P., San Francisco, Calif. Door lock. 1,867,694 ; July 19.
Cramer, Otto P., San Francisco, Calif. Casement window hinge. 1,876,402 ; Sept. 6.
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding. 1,879,110 ; Sept. 27.
Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,848,872 ; Mar. 8.
Cramer, Stanley S., Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J. Humidifier. 1,849,710 ; Mar. 15.
Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Rolling ball races or the like. 1,853,665 ; Apr. 12.
Cramer, Stanley S., and E. D. Koepping, Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Rotor shaft for electrical condensers. 1,853,664 ; Apr. 12.
Cramer, William F. (See Welty, Edgar S., assignor.)
Cramp, David L., Kirkland Lake, Ontario, Canada. Brake rubbing rotor. 1,869,546 ; Aug. 2.
Cramp, David L., Kirkland Lake, Ontario, Canada. Gate valve for runways. 1,869,547 ; Aug. 2.
Crampton, Donald K., Marion, and H. L. Burghoff, Yalesville, assignors to The Chase Companies, Incorporated, Waterbury, Conn. Welding-rod, etc. 1,887,500 ; Nov. 15.
Crampton, Frank E., Los Angeles, Calif. Roof-flashing retaining and sealing device. 1,852,955 ; Apr. 5.
Crampton, Theodore H. M., Chicago, Ill., assignor, by mesne assignments, to The Phillip Carey Manufacturing Company, Crossing. 1,849,048 ; Mar. 8.

Crandall, Henry F., Silver Cliff, assignor of one-half to J. T. Corr, Racine, Wis. Seed planter. 1,879,111; Sept. 27.

Crandall, Julian T., assignor to Ashaway Line and Twine Manufacturing Company, Ashaway, R. I. Transfer container for fish lines. 1,850,074; Mar. 22.

Crandall, Merton L., Jackson, Mich. Crank turning lathe. 1,847,753; Mar. 1.

Crane, Charles A., jr., assignor to Templeton, Kenly & Co., Limited, Chicago, Ill. Pipe pushing jack. 1,870,607; Aug. 9.

Crane Company. (See Beckwith, Clinton H., assignor.)

Crane Co. (See Bradbury, Frank C., assignor.)

Crane Co. (See Carlson, Ralph G., assignor.)

Crane Co. (See Flodin, Victor E., assignor.)

Crane Co. (See Hauser, George D., assignor.)

Crane Co. (See Houser, A. M., and Fennema, assignors.)

Crane Co. (See Jones, Robert M., assignor.)

Crane Co. (See Kenter, Adolphe A., assignor.)

Crane Co. (See LeDuc, Fred C., assignor.)

Crane Co. (See McCurdy, G. R., and Turck, assignors.)

Crane Co. (See Olson, Charles A., assignor.)

Crane Co. (See Sorensen, Alfred K., assignor.)

Crane Co. (See Stine, Louis B., assignor.)

Crane Co. (See Zivill, Roy H., assignor.)

Crane, Edward V., Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Gauge and starting mechanism for presses and analogous machines. 1,851,753; Mar. 29.

Crane, Frank G., Montague, Mich. Making and treating paper. 1,889,351; Dec. 6.

Crane, Henry M., New York, N. Y.; assignor to General Motors Corporation, Detroit, Mich. Fluid brake. 1,883,588; Oct. 18.

Crane, Robert W., Oak Park, Ill. Motor reversing switch for door openers. 1,863,922; June 21.

Crane, Horace R., Pasadena, Calif. Rake. 1,866,754; July 12.

Crane, John T., Maywood, assignor to Felt Products Manufacturing Co., Chicago, Ill. Gasket and packing material. 1,883,523; June 14.

Crane, Louis, Bronx, N. Y. Convertible bed and table lamp. 1,891,971; Dec. 27.

Crane, Newton, Boston, Mass. Automatic washing machine. 1,849,283; Mar. 15.

Crane, Newton, Boston, assignor to B. Morton, trustee, Fall River, Mass. Modifying vibrations of strings. 1,859,553; May 24.

Crane Packing Company. (See De Vries, Fenno E., assignor.)

Crane Packing Company. (See Payne, Frank E., assignor.)

Crane Packing Company. (See Teeple, Charles P., assignor.)

Crane, Percy L. (See Bourn, F. J., Crane, and Vest.)

Crane, Stanley A., Norwood, assignor to The Hennegan Company, Cincinnati, Ohio. Advertising display device. 1,890,314; Dec. 6.

Crangle, George C., Butte, Mont. Screening mechanism. 1,865,745; July 5.

Crannell, Charles R., Chicago, Ill. Pedal accelerator control. 1,841,092; Jan. 12.

Cranshaw, Harold B., West Newton, assignor to Cutter Manufacturing Company, Everett, Mass. Fireset. 1,860,925; May 31.

Cranshaw, Harold B., Newton, assignor to Burnitol Manufacturing Company, Charlestown, Mass. Receptacle. 1,864,979; June 28.

Crap, William H., Phillipsburg, N. J. Ice sandal. 1,868,729; July 26.

Crapo, Charles E., Cleveland, Ohio. Locomotor. 1,860,385; May 31.

Crary, Thomas F., Middleport, Ohio. Elbow. 1,868,696; July 26.

Crawe, Harold. (See Tapp, E. T. J., and Crawe.)

Crater, Willard D., Succasunna, N. J., assignor to Hercules Powder Company, Wilmington, Del. Composition of matter. 1,850,224; Mar. 22.

Crater, Willard D., Succasunna, N. J., assignor to Hercules Powder Company, Wilmington, Del. Composition of matter. 1,850,225; Mar. 22.

Crater, Willard de C., Succasunna, N. J., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,837,290; Nov. 8.

Crater, Willard D., and A. C. French, Kenvil, N. J., assignors to Hercules Powder Company, Wilmington, Del. Purifying nitrated polyhydric alcohols. 1,852,041; Apr. 5.

Crausbay Supply Co. Inc. (See Hacker, M. L., Wells, Hacker, and Barner.)

Craven, George F., Franklinville, N. C. Foldable head slat. 1,888,160; Nov. 15.

Craven, William T., Philadelphia, Pa. Hanger for brooms, brushes, etc. 1,868,305; July 19.

Craver, Albert F., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Water heater baffle. 1,875,856; Sept. 6.

Craver, Augustus E., assignor to Weiss and Downs, Inc., New York, N. Y. Producing formaldehyde. 1,851,754; Mar. 29.

Craver, Augustus E., Mount Vernon, assignor to Weiss and Downs, Inc., New York, N. Y. Chemical combination of boric acid and potassium acid tartrate, and preparing same. 1,859,653; May 24.

Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Stop motion for knitting machines. 1,855,099; Apr. 19.

Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Stop motion for knitting machines (hosiery). 1,874,085; Aug. 30.

Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Electric stop motion for knitting machines. 1,877,647; Sept. 13.

Crawford, Allen L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,880,833; Oct. 4.

Crawford, Allen L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube socket. 1,884,582; Oct. 25.

Crawford, Allan W., New York, N. Y., and M. S. Glass, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum bulb mounting. 1,864,228; June 21.

Crawford, Arthur C., Mendota, Calif. Nonpriming steam boiler. 1,840,386; Jan. 12.

Crawford, Carmi R., assignor to A. C. Prince, Chicago, Ill. Fly swatter. 1,861,688; June 7.

Crawford, Cliff R., Middletown, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 1,884,583; Oct. 25.

Crawford, David F. (See Lower, N. M., Crawford, and Turner.)

Crawford, Frederick C., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Safety tie rod. 1,854,925; Apr. 19.

Crawford, Frederick C., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Adjustable tie-rod. 1,870,283; Aug. 9.

Crawford, Frederick C., and G. H. Hufferd, Detroit, Mich., assignors to Thompson Products Inc., Cleveland, Ohio. Tie rod end. 1,842,747; Jan. 26.

Crawford, George M., Butler, and J. M. London, Butler, Pa. Conveyer. 1,863,085; June 14.

Crawford, Hazel M., and W. Pollock; said Pollock assignor to Portland Woolen Mills Company, Portland, Oreg. Poultry brooder. 1,876,325; Sept. 6.

Crawford, Howard H., Detroit, Mich., assignor to Pines Winterfront Company, Chicago, Ill. Thermostatically controlled shutter. 1,845,484; Feb. 16.

Crawford, Howard H., Detroit, Mich., assignor to Pines Winterfront Company, Chicago, Ill. Thermostatically controlled shutter. 1,845,485; Feb. 16.

Crawford, Howard H., Detroit, Mich., assignor to Pines Winterfront Company, Chicago, Ill. Cooling apparatus. 1,871,588; Aug. 16.

Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Rocker arm lubrication. 1,855,166; Apr. 19.

Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Steering wheel lighting switch. 1,871,790; Aug. 16.

Crawford, James O., Adams, Tenn. Typewriter attachment. 1,842,317; Jan. 19.

Crawford, John, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Shuttle filling guide. 1,888,817; Nov. 22.

Crawford, John F., assignor to J. I. Case Company, Racine, Wis. Flask shake-out. 1,855,474; Apr. 26.

Crawford, Joseph H., Flagstaff, Ariz. Clothespin. 1,855,225; Apr. 19.

Crawford Manufacturing Company. (See Crawford, Alfred, assignor.)

Crawford Manufacturing Co. (See Hankins, Lindsey S., assignor.)

Crawford, McGregor and Canby Company, The. (See Hampton, William C., assignor.)

Crawford, McGregor and Canby Company, The. (See Hampton, W. C., and Garber, assignors.)

Crawford, McGregor and Canby Company, The. (See Mattern, George W., assignor.)

Crawford, Robert. (See French, Willard C., assignor.)

Crawford, Robert H. (See Drotos, J. J., and Crawford.)

Crawford, Thomas J., Youngstown, Ohio. Pole structure. 1,891,620; Dec. 20.

Crawford, Wilbur F., Waco, Tex. Carrier for ice. 1,861,431; May 31.

Crawford, William H. (See Andren, B. T., Heineman, and Crawford.)

Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrical welding apparatus. 1,857,044; May 3.

Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrical welding apparatus. 1,857,115; May 3.

Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Control for electrical welding current. 1,857,490; May 10.

Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding. 1,872,125; Aug. 16.

Crawley, Joseph T., Fayetteville, N. C. Garage door opener. 1,862,469; June 7.

Crayne, Elmer Y. (See Oulsman, S. B., and Crayne.)

Craz, Albert G., Richmond Hill, assignor to Brass Goods M'f'g. Co., Brooklyn, N. Y. Container cap. 1,878,265; Sept. 20.

Crea, James H. (See Siegrist, Jacob C., assignor.)

Creager, William P., Watertown, N. Y., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fluid control system. 1,873,955; Aug. 30.
Creagmile, John C., Berkeley, Calif. Wheel aligning device. 1,840,766; Jan. 12.
Creagmile, John C., Berkeley, and F. H. Reiman, San Francisco, Calif. Camber correcting device. 1,890,935; Dec. 13.
Creal, Thomas K., Warren, Pa. Cabinet for game apparatus. Des. 85,915; Jan. 5.
Creamery Package Mfg. Company, The. (See North, Charles D., assignor.)
Creed, Charles H., jr., Aberdeen, S. Dak. Self steering device for tractors. 1,849,790; Mar. 15.
Creed and Company. (See Griffith, Ronald G., assignor.)
Creed & Co. (See Salmon, Reginald D., assignor.)
Creed and Company. (See Salmon, R. D., and Kirk, assignors.)
Creed & Company Limited. (See Creed, F. G., Storey, and Salmon, assignors.)
Creed and Company, Limited. (See Salmon, R. D., and Clifford, assignors.)
Creed and Company, Limited. (See Salmon, R. D., and Thomas, assignors.)
Creed, Frederick G., W. H. Storey, and R. D. Salmon, Croydon, England, assignors to Creed & Company Limited, Electromagnetic switch. 1,864,296; June 21.
Creedon, Joseph F., Omaha, Nebr. Automobile storage device. 1,852,356; Oct. 18.
Creedy, Frederick, Ealing, London, England. Dynamo electric machine. 1,859,196; May 17.
Creery, Roy V., German Township, St. Joseph County, Ind. Key retainer. 1,866,086; July 5.
Cregeur, Nesniel B., Chicago, Ill. Optical unit and projecting images to obtain stereoscopic relief. 1,843,663; Feb. 2.
Creighton, Harry E., East Norwalk, Conn., assignor to R. U. V. Company, New York, N. Y. Inlet fitting. 1,861,342; June 7.
Creighton, John M., assignor to Fostoria Glass Company, Moundsville, W. Va. Cocktail service. 1,858,728; May 17.
Cremer, Conrad. (See Stockhausen, H., Schlotterbeck, Cremer, and Hecking.)
Cremer, Henry, South Gate, Calif. Steering apparatus. 1,858,417; May 3.
Cremer, Oscar, Tolworth, England. Safety razor. 1,874,579; Apr. 19.
Crenshaw, Colman A., Salt Lake City, Utah. Lock. 1,880,834; Oct. 4.
Creo-Dipt Company Inc. (See Gosch, Harry E., assignor.)
Crescent China Company, The, et al. (See McMaster, Harry J., assignor.)
Crescent Manufacturing Company, The. (See Nagel, Frank, assignor.)
Cresci, Carl Merced, Calif. Aircraft. 1,848,321; Mar. 8.
Cress, Horatio G., Troy, Ohio. Easel blackboard. 1,876,619; Sept. 13.
Cress, Hurce L., jr., Hygiene, Colo. Self cleaning rake. 1,879,112; Sept. 27.
Cressler, Edward F., Newton, Kans. Mount for films. 1,873,183; Aug. 9.
Creter, Richard, New York, N. Y. Electric railroad system. 1,862,736; June 14.
Creuels, Stefan, Baxweiler-Aachen, Germany. Device for controlling internal-combustion engines. 1,864,173; June 21.
Creuzet, Pierre, assignor to Société d'Etudes Scientifiques et Industrielles, Paris, France. Radio valves employing gallium. 1,866,195; July 5.
Creveling, John L., Tucson, Ariz. Electric regulation. 1,850,440; Mar. 22.
Creveling, John L., Oracle, Ariz. Appliance for automobiles. 1,890,496; Dec. 13.
Creveling, Samuel B., and E. Grandmason, Tremont, Pa. Rock drill. 1,849,541; Mar. 15.
Crew, William H. (See Hulburt, E. O., and Crew.)
Crewe, Samuel, East Cleveland, Ohio. Ratchet mechanism. 1,883,767; Oct. 18.
Crews, Maurice A., assignor to Budd Wheel Company, Philadelphia, Pa. Universal joint. 1,892,057; Dec. 27.
Crews, Robert L., Delbarton, W. Va. Car stop. 1,852,703; Apr. 5.
Crewson, George G., Buffalo, N. Y., assignor to Swenson Evaporator Co., Harvey, Ill. Evaporator. 1,869,093; July 26.
Crezée, Pieter, Zevenbergen, Netherlands, assignor to E. Prinz, Krefeld-on-Rhine, Germany. Operating cultivators. 1,864,639; June 28.
Crichton, Francis D., Washington, D. C. Flagstaff. 1,858,424; Apr. 26.
Crichton, Leslie N., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Distance relay. 1,859,467; May 24.
Crick, Harry J., assignor of one-half to Associated Dyers & Cleaners Limited, London, England. Dye jigger machine. 1,873,740; Aug. 23.
Crickmer, Charles S., Dallas, Tex. Display device. 1,880,835; Oct. 4.
Crickmer, Charles S., assignor to The Gulberson Corporation, Dallas, Tex. Drill bit. 1,873,114; Sept. 20.
Crigler, James W., Mississippi City, Miss. Roach trap. 1,867,252; July 12.
Criley, Carrie. (See Criley, Wallace K., assignor.)
Criley, Wallace K., assignor, by mesne assignments, of one-half to Carrie Criley, Los Angeles, Calif. Rotary well drill guide and centering device. 1,850,659; May 31.
Criley, William W., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Solid die header. 1,869,006; July 26.
Crill, Alphonso, Nampa, Idaho. Headgate. 1,855,100; Apr. 19.
Crimmins, Murrell H., Boone, Iowa. Compensating slide valve for internal combustion engines. 1,849,614; Mar. 15.
Crimmins, Neil A., assignor to Neil A. Crimmins, Inc., Stoughton, Mass. Elastic fabric. 1,853,666; Apr. 12.
Crimmins, Neil A., Stoughton, and W. F. Alden, Needham, assignors to Neil A. Crimmins, Inc., Stoughton, Mass. Covered elastic thread. 1,853,551; Apr. 12.
Crimmins, Neil A., Inc. (See Crimmins, Neil A., assignor.)
Crimmins, Neil A., Inc. (See Crimmins, N. A., and Alden, assignors.)
Crimmins, William C., Oak Park, assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,839,867; Jan. 5.
Criner, Harry E. (See Criner, Harry J. and H. E.)
Criner, Harry J. and H. E., assignors of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 1,855,706; Apr. 26.
Crippen, Frederick N., assignor to W. R. Gulberson, Los Angeles, Calif. Tubing catcher. 1,859,652; Jan. 5.
Crippen, Frederick N., Los Angeles, Calif., assignor to The Gulberson Corporation, Dallas, Tex. Tubing catcher. 1,859,654. May 24.
Cripps, Albert A., Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Vehicle body sill assembly. 1,840,084; Jan. 5.
Criqui, Albert A., and E. T. Thornton, assignors to Buffalo Forge Company, Buffalo, N. Y. Gas purifier or scrubber. 1,866,196; July 5.
Crisanti, Joseph, Manasquan, N. J. Auxiliary vehicle wheel. 1,863,473; June 14.
Crispen, Clarence C., Harrisburg, Pa. Spring retrieving reel. 1,868,409; July 19.
Crispin, Clarence G., Berwick, Pa. Relief valve. 1,868,522; July 26.
Crispin, Frank S., Dayton, Ohio. Storage battery. 1,848,826; Mar. 8.
Crist, Ray H. (See Smith, Leonard.)
Critchfield, Robert M., assignor to Delco-Remy Corporation, Anderson, Ind. Horn projector. 1,847,754; Mar. 1.
Critchfield, Walter O., Shelby, Ohio. Salesbook. 1,857,013; May 3.
Critchfield, Walter O., assignor to The Shelby Salesbook Company, Shelby, Ohio. Slip holder. 1,844,744; Feb. 9.
Crites, Bert O. (See Textor, O., and Crites.)
Crites, Joe Ernston, assignor to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Central lubricating system for roller mill rollers. 1,877,823; Sept. 20.
Crittall Manufacturing Company, The. (See Crittall, W. F., and Wardropper, assignors.)
Crittall, Walter F., and J. B. Wardropper, Braintree, assignor to The Crittall Manufacturing Company, Limited, Essex, England. Pivot for windows and the like. 1,844,562; Feb. 9.
Croan, Walter B., Chicago, Ill. Atomizer. 1,870,099; Aug. 2.
Croasdale, Ernest S. (See Coberly, C. J., and Croasdale.)
Crocker, Arthur T., Erie, Pa., assignor to General Electric Company. Control device. 1,866,347; July 5.
Crocker, Bertram E., Los Angeles, Calif. Petroleum smelting process. 1,872,900; Aug. 23.
Crocker, Bigelow, Fitchburg, Mass. Collecting and classifying different kinds of solids suspended in a liquid. 1,861,381; May 31.
Crocker, Clarence N., Eugene, Oreg. Spring wire reel. 1,850,315; Mar. 29.
Crocker, Clarence T., Schenectady, N. Y., assignor to General Electric Company. Signaling device. 1,849,824; Mar. 15.
Crocker, Ernest B., Stratford, Conn., assignor to Consolidated Asheroft Hancock Company, New York, N. Y. Index adjusting means. 1,862,008; June 7.
Crocker, Ernest C., Belmont, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Method for flame-proofing combustible materials and product resulting therefrom. 1,891,258; Dec. 20.
Crocker, Ernest W., Duchesne, Utah. Wrench. 1,852,075; Apr. 5.
Crocker, Ernest W., Duchesne, Utah. Smoking tobacco pipe. 1,875,422; Sept. 6.
Crocker First Federal Trust Company, executor. (See Hunt, Andrew M.)
Crocker, Harold A., London, assignor to J. Stone & Company Limited, Deptford, England. Side-light, sidescuttle or port opening for ships. 1,873,186; Aug. 23.
Crocker, Irving S., West Lynn, Mass., assignor to General Electric Company. Adjustable support. 1,854,020; Apr. 12.
Crocker, Robert R., Dearborn, assignor to T. J. McCormick, Detroit, Mich. Tire cover. 1,889,776; Dec. 6.
Crocker, Thomas F., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,842,585; Jan. 26.

Crocker, Thomas F., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,842,659; Jan. 26.
Crocker, Thomas F., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,869,007; July 26.
Crocker, Thomas F., Chicago, and V. S. Tharp, Elmhurst, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,889,899; Dec. 18.
Crocker-Wheeler Electric Manufacturing Company. (See Selden, Andrew K., jr., assignor.)
Crocker-Wheeler Electric Manufacturing Company. (See Spencer, Millard C., assignor.)
Crockett, Frank L., East Douglas, assignor to Whitin Machine Works, Whitinsville, Mass. Top comb motion. 1,889,435; Nov. 29.
Crockett, James B. (See Phillips, David J. P., assignor.)
Crockett, James Barret, assignor to Cambridge Rubber Company, Cambridge, Mass. Manufacture of rubber footwear. 1,867,879; July 19.
Crockett, James Barret, assignor to Cambridge Rubber Company, Cambridge, Mass. Manufacture of rubber footwear. 1,867,880; July 19.
Crockett, James Barret, assignor to Cambridge Rubber Company, Cambridge, Mass. Manufacture of rubber articles. 1,867,881; July 19.
Crockett, Thomas E., Tulsa, Okla., assignor to C. E. Coffin, St. Louis County, Mo. Compressed air water elevator. 1,854,580; Apr. 19.
Crofoot, John B., Mount Prospect, Ill. Stapling machine. 1,849,570; Feb. 23.
Croft, Hiram D. (See Perkins, J. L., and Croft.)
Croft, Hiram D., Springfield, assignor to Perkins Machine & Gear Company, West Springfield, Mass. Lubricating system. 1,875,564; Sept. 6.
Croft, Lawrence F., and G. K. Barger, Seattle, Wash. Rotary cable former. 1,865,340; July 5.
Croft, Lorenzo E. (See Pearson, G. S., Croft, and Carpenter.)
Crom, John M., Tulsa, Okla., assignor to National Gunite Contracting Co., Boston, Mass. Monolithic construction. 1,876,205; Sept. 6.
Cromie, Jr., Jas. (See Dittmar, Irvin F., assignor.)
Cromer, William B., Fort Worth, Tex. Fire alarm. 1,850,707; Mar. 22.
Crompton & Knowles Loom Works. (See Brickman, Allen E., assignor.)
Crompton & Knowles Loom Works. (See Brouwer, Benjamin W. assignor.)
Crompton & Knowles Loom Works. (See Brown, Clyde E., assignor.)
Crompton & Knowles Loom Works. (See Bushey, Donald H., assignor.)
Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)
Crompton & Knowles Loom Works. (See Fernane, E. J., and Flynn, assignors.)
Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge, R., assignor.)
Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
Crompton & Knowles Loom Works. (See King, William H., assignor.)
Crompton & Knowles Loom Works. (See Kronoff, Clarence R., assignor.)
Crompton & Knowles Loom Works. (See Lindegren, Carl J., assignor.)
Crompton & Knowles Loom Works. (See Lundgren, William E., assignor.)
Crompton & Knowles Loom Works. (See Morrell, Alfred F., assignor.)
Crompton & Knowles Loom Works. (See Paulson, Ernest H., assignor.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crompton & Knowles Loom Works. (See Turner, R. G., and Jennings, assignors.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
Crompton & Knowles Loom Works. (See Winters, Harry J., assignor.)
Cromwell, John C. (See Groeniger, W. C., and Cromwell.)
Cromwell, John C., assignor to The Steel Sanitary Company, Alliance, Ohio. Bathtub. 1,849,746; Mar. 15.
Cromwell, John C., Columbus, assignor to The Steel Sanitary Company, Alliance, Ohio. Bathtub. 1,870,836; Aug. 9.
Cromwell, John C. assignor to The Steel Sanitary Company, Alliance, Ohio. Making articles of manufacture. 1,888,374; Nov. 22.
Cronan, William J., Wethersfield, Conn. Vehicle direction signaling light. Des. 86,907; May 10.
Cronburg, Claude I. (See Lingo, W. W., and Cronburg.)
Crone, Oliver H. (See Lawrence, H. E., and Crone.)
Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety support for brake rods. 1,867,000; July 12.
Cronenweth, Earl E., and C. G. Hamer, San Fernando, Calif. Spring oiler. 1,889,043; Nov. 29.
Cronister, Jackson R., Jeannette, Pa. Propeller. 1,846,473; Feb. 23.
Cronk, John, Ridgway, Pa. Warp stop shield for silk mills. 1,851,812; Mar. 29.
Cronk, Wesley M., Stratford, Conn., assignor to Wright and Corson Company, Milford, Conn. Rivet gauge. 1,860,174; May 24.
Cronwall, Carl G. (See Simpson, E. G., Cronwall, Andersen, and Field.)
Cronwall, Magnus. (See Ellberg, J., and Cronwall.)
Crooksham, Clarence B., San Diego, Calif., assignor, by direct and mesne assignments, to Bottle Tops, Inc. Cap for bottles. 1,866,841; July 12.
Crop Protection Institute. (See Hartzell, A., and Latirop.)
Crop Protection Institute. (See Wilcoxon, Frank.)
Cropper, Thomas, Erdington, assignor to Dunlop Rubber Company, Limited, London, England. Apparatus for ascertaining the compressibility of articles or masses and grading the objects to tested. 1,839,376; Jan. 5.
Cropper, Thomas, Erdington, assignor to Dunlop Rubber Company, Limited, London, England. Apparatus for winding elastic strands into spherical masses. 1,844,812; Feb. 9.
Cropper, Thomas, Erdington, assignor to Dunlop Rubber Company, Limited, London, England. Apparatus for ascertaining the compressibility of articles or masses and grading the objects so tested. 1,849,055; Mar. 15.
Crosby, Arthur F., Minneapolis, Minn. Radiator return trap. 1,885,993; Nov. 1.
Crosby, Benjamin F. (See Allen, E. B., and Crosby.)
Crosby, Earle M., Birmingham, Mich., assignor, by mesne assignments, to Universal Air Fastener Corporation, Cambridge, Mass. Fastener setting machine. 1,859,026; May 17.
Crosby, Edwin L., and A. E. Rhoads, assignors to Detroit Electric Furnace Company, Detroit, Mich. Melting metal borings. 1,871,305; Aug. 9.
Crosby, Edwin L., and A. E. Rhoads, assignors to Detroit Electric Furnace Company, Detroit, Mich. Furnace lining. 1,883,590; Oct. 18.
Crosby, Edwin L., and A. E. Rhoads, assignors to Detroit Electric Furnace Company, Detroit, Mich. Preparing gray cast iron of improved characteristics. 1,886,873; Nov. 8.
Crosby, Ralph H., assignor to Little Giant Manufacturing Co., Minneapolis, Minn. Radiator hanger. 1,883,591; Oct. 18.
Crosby, Richard M., Tacoma, Wash. Spark arrester. 1,887,922; Nov. 15.
Crosby, Wilbur D., Livingston, Calif. Ice cream freezer. 1,844,745; Feb. 9.
Crosier, Arthur B., et al. (See Crosier, Frank B., assignor.)
Crosier, Frank B., Beloit, Wis., assignor of one-third to A. B. Crosier and one-third to M. G. Crosier. Stereoscopic motion picture camera. 1,878,382; Sept. 20.
Crosier, Minnie G., et al. (See Crosier, Frank B., assignor.)
Crosland, Edward M., Newton-Le-Willows, England. Manufacture of biscuits or the like articles and machine therefor. 1,883,592; Oct. 18.
Crosier, Roy C., assignor of one-third to J. C. Perkins, Whittier, and one-third to N. M. Wickersham, Los Angeles, Calif. High pressure hose connection. 1,843,123; Feb. 2.
Crosley, Lewis M., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerating device. 1,857,439; May 10.
Crosley, Lewis M., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigeration device. 1,857,440; May 10.
Crosley, Powel, jr. (See Griffith, Max O., assignor.)
Crosley, Powel. (See Hoekstra, Harold D., assignor.)
Crosley, Powel, jr. (See Hoekstra, H. D., and Hokanson, assignors.)
Crosley Radio Corporation, The. (See Blair, Russell M., assignor.)
Crosley Radio Corporation, The. (See Crosley, Lewis M., assignor.)
Crosley Radio Corporation, The. (See Kilgour, Charles E., assignor.)
Crosley Radio Corporation, The. (See Langley, Ralph H., assignor.)
Cross, Albert W., Lakewood, assignor to The American Ship Building Company, Cleveland, Ohio. Rudder. 1,882,357; Oct. 11.
Cross, Anne H., executrix. (See Cross, Walter M.)
Cross, Charles F., London, England, and A. Engelstad, Vardal, Norway. Manufacture of new products comprising lignone derivatives. 1,840,157; Jan. 5.
Cross, Charles F., London, England, and A. Engelstad, Vardal, Norway. Manufacture of new products comprising lignone derivatives. 1,878,828; Sept. 20.
Cross Cord-O-Matic Company. (See Cross, Walter M., assignor.)
Cross Development Corporation. (See Cross, Roy, assignor.)

Cross, Earl, Reno, Nev. Adjustable chair. 1,853,848; Apr. 12.
Cross, Frank L., Port Washington, N. Y., assignor to Cross Paper Feeder Company, Boston, Mass. Sheet straightening conveying mechanism. 1,859,353; Nov. 29.
Cross, Frank W. (See St. George, F., and Cross.)
Cross, Garrett P. S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Separable last, 1,856,127; May 3.
Cross, Grosvenor M., Belvedere, Calif. Spring reaction neutralizer. 1,876,862; Sept. 13.
Cross, Grosvenor M., Boston, Mass. Shock absorber. 1,872,963; Sept. 13.
Cross, Howard C. (See Gillett, H. W., and Cross.)
Cross, John R., assignor of one-half to W. Spoor, Painted Post, N. Y. Chuck. 1,849,767; Jan. 12.
Cross Paper Feeder Company. (See Cross, Frank L., assignor.)
Cross Parking Systems, Inc. (See Buettell, Samuel E., assignor.)
Cross Parking Systems, Inc. (See Dinkelberg, Frederick P., assignor.)
Cross, Robert E., Claremont, N. H., assignor to Sullivan Machinery Company. Portable tool. 1,884,584; Oct. 25.
Cross, Roland C., Bath, England. Valve for internal combustion engines and making same. 1,887,997; Nov. 15.
Cross, Roy, Kansas City, Mo. Antiknock compounds for internal combustion engines and making same. 1,853,693; Oct. 18.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating hydrocarbons. 1,840,158; Jan. 5.
Cross, Roy, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for treating petroleum oil. 1,841,363; Jan. 19.
Cross, Roy, assignor to Silica Products Co., Kansas City, Mo. Oil well drilling. 1,847,864; Mar. 1.
Cross, Roy, assignor to Silica Products Co., Kansas City, Mo. Making concrete and cement mortar. 1,854,180; Apr. 19.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating petroleum hydrocarbons. 1,859,027; May 17.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating petroleum hydrocarbons in the vapor phase. 1,859,028; May 17.
Cross, Roy, assignor to Silica Products Company, Kansas City, Mo. Concrete curing agent. 1,859,253; May 17.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating process for hydrocarbon oils. 1,865,235; June 28.
Cross, Roy, assignor to Silica Products Company, Kansas City, Mo. Improving clay. 1,873,296; Aug. 23.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating oils. 1,879,900; Oct. 11.
Cross, Roy, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for conversion of hydrocarbon oils. 1,892,038; Dec. 27.
Cross, Walter M. (See Foster, Jack E., assignor.)
Cross, Walter M., Kansas City, Mo. Making water gas. 1,861,318; May 24.
Cross, Walter M., deceased, Kansas City, Mo.; A. H. Cross, executrix, assignor to Cross Coal-O-Matic Company, Kansas City, Mo. Underfeed stoker. 1,842,359; Jan. 19.
Cross, Walter M., Kansas City, Mo., assignor to Gasoline Products Company, Inc., Wilmington, Del. Cracking petroleum hydrocarbons. 1,845,959; Feb. 16.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating hydrocarbons. 1,847,082; Mar. 1.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Converting hydrocarbon oils. 1,849,479; Mar. 15.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating hydrocarbons. 1,871,431; Aug. 9.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating hydrocarbons. 1,876,206; Sept. 6.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company Inc., Wilmington, Del. Process and apparatus for converting petroleum hydrocarbons. 1,880,826; Oct. 4.
Cross, Walter M., Kansas City, Mo., assignor to Salvage Process Corporation, New York, N. Y. Method and apparatus for transporting viscous liquids. 1,883,594; Oct. 18.
Cross, Walter M., assignor to Cross Coal-O-Matic Company, Kansas City, Mo. Underfeed stocker. 1,883,595; Oct. 18.
Cross, Wesley M., Detroit, Mich. Carburetor. 1,847,063; Feb. 23.
Crossby, William E. J., Harrow, assignor to Mono Containers Limited, London, England. Liquid-proof carton. 1,879,113; Sept. 27.
Crosser, David H., Chicago, Ill., assignor to R. E. Gebhardt Company. Pot for artificial flowers or the like. 1,845,701; Feb. 16.
Crosser, David H., Chicago, Ill., assignor to R. E. Gebhardt Company. Candlestick. 1,870,208; Aug. 2.
Crossett, Frederick A., Los Angeles, Calif, assignor to M. A. Dittbenner, Chicago, Ill. Syringe. 1,853,260; Apr. 12.
Crossland, William H., Bristol, Pa. Wing heater for aeroplanes. 1,876,620; Sept. 13.
Crossley, Alfred, South Haven, Mich. Beat frequency and phase indicator. 1,846,314; Feb. 23.
Crossley, Alfred, Washington, D. C. Temperature control system. 1,844,165; Oct. 25.
Crossley, Alfred, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Crystal controlled calibrator or transmitter. 1,843,415; Feb. 2.
Crossley, Alfred, Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Piezo electric crystal apparatus. 1,886,792; Nov. 8.
Crossley, Moses L., Plainfield, N. J., assignor, by mesne assignments, to The Calco Chemical Company, Inc. Synergized codein drugs. 1,845,486; Feb. 16.
Crossley, Moses L., and M. L. Doit, Plainfield, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. New mordant. 1,882,777; Oct. 11.
Crossley, Moses L., and M. L. Doit, Plainfield, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. New mordant. 1,882,778; Oct. 18.
Crossley, William H., assignor of one-half to J. R. Elliff, Klamath Falls, Oreg. Automobile tire appliance. 1,859,197; May 17.
Crossman, George A., assignor to Panelyte Corporation, Trenton, N. J. Manufacturing phenol-formaldehyde resin sheets and forms. 1,868,566; July 26.
Crosthwait, Asa Eve, San Antonio, Tex. Canopy. 1,888,909; Nov. 22.
Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Freezing temperature indicator. 1,874,911; Aug. 30.
Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Refrigerating method and apparatus. 1,874,912; Aug. 30.
Crosthwait, David N., jr., and H. Brennan, assignors to C. A. Dunham Company, Marshalltown, Iowa. Automatic discharge valve. 1,874,913; Aug. 30.
Crotogino, Fritz, Neustassfurt, near Stassfurt, assignor to the Firm Kali-Chemie Aktiengesellschaft, Berlin, Germany. Production of fritted magnesia containing iron. 1,880,315; Oct. 4.
Crotty, George D., Chicago, Ill. Marking device. 1,864,411; June 21.
Crotty, James A., et al. (See Henne, A. H., and Clark, assignors.)
Crotty, James A., New York, N. Y. Combination vase lamp and boudoir tray. 1,848,109; Mar. 8.
Crouch, Logan R., Memphis, Tenn. Brazed or welded joint. 1,878,829; Sept. 20.
Crouse, Charles W., Valparaiso, Ind. Flood water control. 1,878,383; Sept. 20.
Crouse, George B., Woodcliff, N. J., assignor to Conner Crouse Corporation, New York, N. Y. Electrical filter. 1,856,182; May 3.
Crouse, George B., Woodcliff, N. J., assignor to Conner Crouse Corporation, New York, N. Y. Apparatus for energizing an audion circuit. 1,858,323; May 17.
Crouse, George B., assignor to Hardwick, Hindle, Inc., Newark, N. J. Indicator. 1,880,239; Oct. 4.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Crouse-Hinds Company. (See Hastings, Harold P., assignor.)
Crouse-Hinds Company. (See Olley, Edwin A., assignor.)
Crouse-Hinds Company. (See Pearson, John T., assignor.)
Crouse-Hinds Company. (See Pearson, J. T., and Olley, assignors.)
Crouse-Hinds Company. (See Phillips, Milton E., assignor.)
Crouse-Hinds Company. (See Shaw, B. R., and Buchanan, assignors.)
Crouse, Homer W., assignor to The Andrew Jergens Company, Cincinnati, Ohio. Dispensing mechanism. 1,855,441; Apr. 26.
Crout, Prescott. (See Stansburg, C., and Crout.)
Crout, Prescott, Schenectady, N. Y., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,844,243; Feb. 9.
Crow, Harry L., Everett, assignor of one-half to E. B. Cushing, Seattle, Wash. Trolling spoon. 1,866,623; July 12.
Crow, Lawrence M., assignor to Clifton Manufacturing Co., Waco, Tex. Sack buckle. 1,867,499; July 12.
Crow, Waller, and H. Dittlinger, assignors to Dittlinger-Crow Process Company, New Braunfels, Tex. Gel production utilization. 1,871,781; Aug. 16.
Crowder, Alexander N., Boundbrook, N. J., and A. N. Simmons, Trenton, Mich., assignors to Research Corporation, New York, N. Y. Insulating bushing for high tension conductors. 1,850,867; Mar. 22.
Crowder, Edley P. (See Brown, T. H., and Crowder.)

Crowe, Douglas C., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone plant. 1,859,466; Nov. 29.
Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch device. 1,860,347; May 31.
Crowe, Morton B., Birmingham, Ala., assignor to Fred C. Fantz, Webster Groves, Mo. Return bend. 1,841,574; Jan. 19.
Crowe, Morton B., and J. E. Getzen, Birmingham, Ala., assignors to Fred C. Fantz, Webster Groves, Mo. Box elbow. 1,841,523; Jan. 19.
Crowell, Alvin B., San Antonio, Tex. Ported shoe guide. 1,873,741; Aug. 23.
Crowell, Charles H., Fairville, Pa. Treating material by mixtures which thicken under cooking. 1,839,202; Jan. 5.
Crowell, Erd V., Los Angeles, Calif. Tubing support. 1,856,469; May 3.
Crowell, Erd V., Los Angeles, Calif. Tubing anchor. 1,866,087; July 5.
Crowell, Jesse W., Portland, Oreg. Double door hardware. 1,885,084; Oct. 25.
Crowell, Joyce H. (See Rogers, D. G., Ogilvie, and Crowell.)
Crowell, Joyce H., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Producing chlorinated derivatives of indanthrene and the products. 1,847,329; Mar. 1.
Crowell, Joyce H., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Making chlorinated derivatives of indanthrene. 1,847,330; Mar. 1.
Crowell, Joyce H., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of halogenated derivatives of indanthrene. 1,847,331; Mar. 1.
Crowell, Joyce H., Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Producing dinitroanthraruftedisulphonic acid. 1,859,533; May 24.
Crowell, Russell B., and S. R. Ebe, Agnew, Calif., assignors to The American Solvents and Chemical Corporation, New York, N. Y. Making esters of butyl alcohol. 1,884,893; June 28.
Crowell, Walter S., Melrose Park, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental plastic composition. 1,865,591; June 28.
Crowell, William J., jr. (See Pullen, R. S., and Crowell.)
Crowell, William J., jr., Wyncote, Pa. Method and apparatus for effecting automatic adjustments of thermostatically controlled heaters. 1,865,507; July 5.
Crowell, William J., jr., Wyncote, Pa. Flow meter. 1,885,184; Jan. 1.
Crowey, Norman J. (See Drake, A. M., and Crowey.)
Crowhurst, Frank S., Los Angeles, Calif. Building construction. 1,877,774; Sept. 13.
Crowley, Henry G., et al. (See Ireland, Lewis J., assignor.)
Crowley, Henry L., assignor to Henry L. Crowley & Co. Inc., East Orange, N. J. Grinding machine. 1,851,566; Mar. 29.
Crowley, Henry L., assignor to H. L. Crowley & Co. Inc., East Orange, N. J. Insulator for heaters for electron discharge devices. 1,872,901; Aug. 23.
Crowley, Henry L., assignor to H. L. Crowley & Co. Inc., East Orange, N. J. Producing molded bodies and the product. 1,872,902; Aug. 23.
Crowley, Henry L., East Orange, assignor to Henry L. Crowley & Company, Inc., West Orange, N. J. Heater for electron discharge devices. 1,889,884; Dec. 6.
Crowley, Henry L., assignor to Henry L. Crowley & Co. Inc., West Orange, N. J. Heater arrangement for indirectly heated cathodes. 1,875,222; Aug. 30.
Crowley, Henry L., East Orange, and R. M. Crowley, Jersey City, assignors to Henry L. Crowley & Co. Inc., East Orange, N. J. Ceramics. 1,885,234; Nov. 1.
Crowley, Henry L., East Orange, and R. M. Crowley, Jersey City, assignors to Henry L. Crowley & Co. Inc., East Orange, N. J. Electron discharge device and manufacture. 1,889,087; Nov. 29.
Crowley, Henry L., & Co. Inc. (See Crowley, Henry L., assignor.)
Crowley, Henry L., & Co. Inc. (See Crowley, H. L. and M. assignors.)
Crowley, Hiram F., et al. (See Ireland, Lewis J., assignor.)
Crowley, John C., Cleveland Heights, Ohio. Valve insides. 1,854,784; Apr. 19.
Crowley, John C., Cleveland Heights, Ohio. Valve mechanism. 1,874,914; Aug. 30.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve mechanism. 1,846,315; Feb. 23.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air chuck. 1,853,723; Apr. 12.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air gauge extension. 1,860,888; May 31.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air chuck. 1,867,253; July 12.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Pressure gauge. 1,874,913; Aug 30.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air chuck. 1,874,915; Aug. 30.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem bending tool. 1,889,239; Nov. 29.
Crowley, John C., assignor to Electrical Research Products Inc., New York, N. Y. Disk record groove indicator. 1,871,269; Aug. 9.
Crowley, John T., Lambertville, N. J. Boot. 1,874,461; Aug. 30.
Crowley, Joseph P. (See Gipe, J. C., and Crowley.)
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing machine. 1,868,575; July 19.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing plate glass. 1,870,238; Aug. 9.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass handling apparatus. 1,872,413; Aug. 16.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Grinding sheet glass. 1,872,415; Aug. 16.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for grinding sheet glass. 1,872,416; Aug. 16.
Crowley, Joseph P., and J. C. Gipe, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing molten glass. 1,872,414; Aug. 16.
Crowley, Robert M. (See Crowley, Henry L. and R. M.)
Crowley, Sylvester W., Weehawken, assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Electron discharge device. 1,840,284; Jan. 5.
Crowley, Sylvester W., Hillside, assignor to De Forest Radio Company, Passaic, N. J. Electron discharge device. 1,849,056; Mar. 15.
Crown Cork & Seal Company. (See Darling, Frank L., assignor.)
Crown Cork & Seal Company. (See Eaton, Maurice M., assignor.)
Crown Cork & Seal Company. (See Elder, John D., assignor.)
Crown Cork & Seal Company. (See Lindsay, Carey W., assignor.)
Crown Cork & Seal Company. (See Lloyd, Frank L., assignor.)
Crown Cork & Seal Company. (See Olt, Leonard, assignor.)
Crown Cork & Seal Company. (See Parker, Cecil J., assignor.)
Crown Cork & Seal Company. (See Ross, Hugh M., assignor.)
Crown Cork & Seal Company. (See Waltkus, Vincent, assignor.)
Crown Cork & Seal Company. (See Warth, Albin H., assignor.)
Crown Cork & Seal Company, Inc. (See Goebel, George, assignor.)
Crown Cork & Seal Company, Inc. (See Sinz, L. P., assignor.)
Crown, George S., Bakersfield, Calif. Insect trap. 1,870,712; Aug. 9.
Crown Stove Works. (See Bright, Jesse L., assignor.)
Crown Stove Works. (See Rogers, Walter F., assignor.)
Crown Stove Works. (See Rogers, Walter F. and J. C., assignors.)
Crowther, Edmond C., Oak Lane, Pa., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer assembly. 1,874,462; Aug. 30.
Crowther, Henry M., Los Angeles, Calif. Corrugated tubular packing. 1,851,976; Apr. 5.
Crowther, Walter M., Beaver, Pa. Ingot mold insert. 1,859,355; May 24.
Croxford, George, assignor to R. Nelson, Wellington, New Zealand. Tool for use in preparing pipe ends for jointing. 1,841,879; Jan. 19.
Crozier, Edward G., Munhall, Pa. Fuel burner. 1,853,408; Apr. 12.
Crozier, Elmer L., Birmingham, Ala. Aeroplane. 1,840,159; Jan. 5.
Crozier, William D., Geneva, assignor, by mesne assignments, to United Reproducers Patents Corporation, St. Charles, Ill. Electrostatic sound producer. 1,851,240; Mar. 29.
Crucible Steel Company. (See Wise, Clarence E., assignor.)
Crucible Steel Company of America. (See McMillen, Russell H., assignor.)
Crucible Steel Company of America. (See Read, Richard S., assignor.)
Cruff, Francis C., and A. A. Giuste, Dinuba, Calif. Screw valve gate. 1,875,857; Sept. 6.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,630; Dec. 13.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,631; Dec. 13.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,632; Dec. 13.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,633; Dec. 13.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,634; Dec. 13.

Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,635; Dec. 13.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,731; Dec. 20.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,757; Dec. 27.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,758; Dec. 27.
Cruger, Harold, Ridgewood, N. J. Textile fabric or the like. Des. 88,759; Dec. 27.
Cruger, John S. (See De Weerd, Albert, assignor.)
Cruickshank, Graham. (See Stimmell, B. A., McBean, and Cruickshank.)
Crull, Harold F., See Ferris, W. and J. F., and Crull.)
Crum, Emanuel L., Indianapolis, Ind. Hood latch. 1,856,540; May 3.
Crum, Maurice L., Chicago, Ill. Key fastener. 1,887,951; Nov. 15.
Crum, Roland R. (See Foster, Walter L., assignor.)
Crumb, Roland R., Whittier, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Guard for collapsible underreamers. 1,878,578; Sept. 20.
Crumb, Charles F., and G. Hummer, Chicago, Ill., assignors to International Harvester Company. Wheel tire structure. 1,854,826; Apr. 19.
Crumb, Charles F., and A. Kowalsky, Chicago, Ill., assignors to International Harvester Company. Corn harvester. 1,878,830; Sept. 20.
Crumb, Charles F., Chicago, and J. A. Latowski, Harvey, Ill., assignors to International Harvester Company. Manure spreader. 1,879,114; Sept. 27.
Crumback, Sylvester F., Aurora, Ill. Cushioned airplane propeller. 1,824,450; Oct. 13.
Crumbaker, Allen T., Brooklyn, N. Y. Injection nozzle. 1,885,004; Oct. 25.
Crumby, William B., Memphis, Tenn. Umbrella holder. 1,850,497; Mar. 22.
Crump, Claude R., Los Angeles, Calif. Combination woodworking machine. 1,859,977; Dec. 6.
Crumpton, Kenneth R., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Ceiling diffusing lighting fixture. 1,844,830; Feb. 9.
Crumrine, Chester W. (See Thompson, R. G., and Crumrine.)
Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Master perforator. 1,852,202; Apr. 5.
Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,854,454; Apr. 19.
Crumrine, Chester W., assignor to Electromatic Typewriter, Inc., Rochester, N. Y. Typewriting machine. 1,873,553; Aug. 23.
Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Perforating machine. 1,873,554; Aug. 23.
Crumrine, Chester W., assignor to Electromatic Typewriter, Inc., Rochester, N. Y. Paper feed roller. 1,873,555; Aug. 23.
Crumrine, Chester W., assignor to Electromatic Typewriter, Inc., Rochester, N. Y. Typewriting machine. 1,873,556; Aug. 23.
Crumrine, William L. (See Landon, Jesse, assignor.)
Crundall, Sydney F. W. (See Llewellyn, W. B., and Crundall.)
Crunden-Martin Manufacturing Company. (See Schwarz, M., and Goetz, assignors.)
Cruse, Howard E., San Francisco, Calif. Excavator. 1,858,360; May 17.
Cruser, Frederick T. D., Oswego, N. Y., assignor, by mesne assignments, to The Diamond Match Company. Treating fibrous material with sulphur. 1,886,170; Nov. 1.
Crutchfield, Kenneth H. (See Moss, W. H., and Crutchfield.)
Cruz, Joseph T., Virgilina, Va. Valve for pneumatic tires. 1,850,662; Mar. 22.
Cruz, Joseph T., assignor of one-half to M. A. Goode, Virgilina, Va. Tool for truing crank shafts. 1,876,621; Sept. 13.
Cruver Manufacturing Company. (See Cooper, Glenn A., assignor.)
Cruz, Hector A., Buenos Aires, Argentina. Metallic spring tire. 1,855,457; Apr. 5.
Cruze, George R. (See Johnson, E. F., and Cruze.)
Cruze, George R., Danville, Pa. Stopper and retracting device for collapsible tubes. 1,859,382; May 24.
Crysler, Clarence T. (See Crysler, Orrah C. and C. T.)
Crysler, Orrah C., Dearborn, and C. T. Crysler, Detroit, Mich. Clip for engaging wall board to supporting elements. 1,854,645; Apr. 19.
Crystal Carbonic Laboratory. (See Comer, William T., assignor.)
Crystal Tissue Company, The. (See Wilson, Joseph C., assignor.)
Cuban-American Sugar Company. (See Meade, G. P., and Traxler, assignors.)
Cuban-American Sugar Company. (See Spencer, Guilford L.)
Cuchran, Julius and H. Hinterkopf, Chicago, Ill. Game board. Des. 87,906; Oct. 11.
Cudahy Brothers Co. (See Cudahy, Michael, assignor.)
Cudahy, Michael, Milwaukee, assignor to Cudahy Brothers Company, Cudahy, Wis. Meat product and producing the same. 1,880,837; Oct. 4.
Cuddeback, Nelson C. (See Smith, L. E., and Cuddeback.)
Cuddigan, Bartholomew O., Anoka, assignor of one-third to O. B. Dibble and one-third to F. W. Hermann, Red Wing, Minn. Vine and potato separator and potato buncher. 1,853,959; Apr. 12.
Cude, Harold E. (See Case, L. W., and Cude.)
Cude, Harold E. (See Rose, R. P., and Cude.)
Cuénoud, Fernand E., Bordeaux, France. Device for connecting to weighing scales a calculating or like secondary apparatus. 1,853,041; Apr. 12.
Cuff, Fred A., and Maurice H. Keating, assignors to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Sprayer. 1,885,332; Nov. 1.
Cuff, James E., Hinsdale, assignor to American Flyer Mfg. Co., Chicago, Ill. Locomotive for toy railways. Des. 88,371; Nov. 22.
Cuff, James E., Hinsdale, assignor to American Flyer Mfg. Co., Chicago, Ill. Bell ringing device for toy locomotives. 1,868,194; July 19.
Cuff, James E., assignor to American Flyer Mfg. Co., Chicago, Ill. Transformer-rheostat control device. 1,863,267; June 14.
Culbertson, Albert L., deceased, Mount Lebanon, Pa.; L. M. Culbertson and The Union Trust Company of Pittsburgh, executors. Heating furnace. Re18,471; May 17.
Culbertson, Albert L., deceased, Mount Lebanon Township, Allegheny County, Pa.; L. M. Culbertson and The Union Trust Company of Pgh, executors. Continuous furnace. 1,861,492; June 7.
Culbertson, E. C. (See Edwards, Albert B., assignor.)
Culbertson, E. Estay, Detroit, Mich., assignor to The Spicer Manufacturing Corporation. Universal joint. 1,841,849; Jan. 12.
Culbertson, Laverna M., et al., executors. (See Culbertson, Albert L.)
Culbertson, Richard B., Los Angeles, Calif. Device for recording dips in formation of well bores. 1,841,790; Jan. 19.
Cullen, Ernest E., San Diego, Calif. Holder for collapsible tubes. 1,883,885; Dec. 6.
Cullen, John B., Richmond Hill, N. Y. Sanitary smoking appliance. 1,868,459; July 19.
Culley, John M., jr., Glenside, Pa. Brake lining stretcher. 1,849,660; Mar. 15.
Cullin, Jasper F., Detroit, Mich., assignor, by mesne assignments, to Delco-Remy Corporation, Anderson, Ind. Electrical apparatus. 1,832,779; Oct. 18.
Cullison, Benjamin F., Sharon Hill, Pa., assignor to The Texas Company, New York, N. Y. Display stand. Des. 86,908; May 10.
Culmer, Harry H., Chicago, Ill. Desulphurizing rubber materials. 1,851,694; Mar. 29.
Culmore, Marsh. (See Campbell, Philip S., assignor.)
Culp, George E., Dallas, Tex. Elevator governor cable swivel. 1,861,908; June 7.
Culp, Jay S. (See Shepard, E. H., and Culp.)
Culp, John F., assignor to Ideal Lubricator Company, Philadelphia, Pa. Lubricating unit for liquid lubricant containers. 1,842,897; Jan. 26.
Culver, Charles A., Northfield, Minn., assignor to Wired Radio, Inc., New York, N. Y. Modulation system. 1,882,122; Oct. 11.
Culver, Edward. (See Watson, Frank B., and Culver, assignors.)
Culver, Edward, Crouch End, London, and A. H. Emerson, Finchley, London, assignors to United Kingdom Optical Company, Limited, London, England. Manufacture of fused bifocal lenses. 1,866,149; Nov. 8.
Culver, Edward L., Los Angeles, Calif. Bean cleaning apparatus. 1,874,916; Aug. 30.
Cumberland, Elliott, Kingston Hill, England. Prevention of corrosion. 1,842,841; Jan. 26.
Cumberland, George A., assignor of one-fourth to M. S. King, Wisconsin Rapids, Wis. Paper pulp separator. 1,882,178; Oct. 11.
Cumfer, Donald A., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for producing roofing. 1,864,806; June 28.
Cumfer, Donald A., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for assembling roofing elements. 1,870,443; Aug. 9.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Machine for providing laminated fibrous structures with offset edges. 1,862,256; June 7.
Cummer, Harry W., Seattle, Wash. Shiftable door bottom. 1,851,813; Mar. 29.
Cummer Manufacturing Company. (See Warren, Frank H., assignor.)
Cumming, Howard T., assignor to Curtice Brothers Co., Rochester, N. Y. Bottle. Des. 87,048; May 31.
Cumming, John Frederick, and W. P. Eklund, Morris, Minn. Composition of matter for use in sealing cracks in metal structures. 1,868,195; July 19.
Cummings, Alexander, South Pasadena, Calif. Voting machine. 1,845,244; Feb. 16.
Cummings, Charles D., Tully, N. Y., assignor to Allen, Fuller & Cummings Company, Inc., Portsmouth, N. H. Wrench. 1,845,400; Feb. 16.

Cummings, Earle W., Los Angeles, assignor to Watertite Casement Hardware Co., Santa Barbara, Calif. Friction sash fixture. 1,888,345; Nov. 22.
Cummings, James D., Houston, Tex. Drag line extension boom. 1,852,003; Apr. 5.
Cummings, James D., assignor to W-K-M Company, Inc., Houston, Tex. Pipe coating apparatus. 1,854,395; Apr. 19.
Cummings, James D. and L. J. Hewitt, Houston, Tex. Hoisting bucket. 1,863,899; June 21.
Cummings, Leon H., Ware, Mass. Shovel. 1,850,498; Mar. 22.
Cummings, Lloyd A., assignor to Marlin-Rockwell Corporation, Jamestown, N. Y. Shaft mounting. 1,871,116; Aug. 9.
Cummings, Preston W. (See Stewart, D. J., and Cummings.)
Cummings, Preston W., assignor to Barber-Colman Company, Rockford, Ill. Grinding cutter blades. 1,853,667; Apr. 12.
Cummings, Ross. (See Pike, R. D., Cummings, and Steck.)
Cummings, Stanley R., Canton, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating system. 1,878,831; Sept. 20.
Cummings, William L. (See Kower, E., and Cummings.)
Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil engine. 1,865,841; July 5.
Cummins, Delbert V., assignor to F. M. Cummins, Wilmot, S. Dak. Cripple swim bait. 1,876,275; Sept. 6.
Cummins, Frances M. (See Cummins, Delbert V., assignor.)
Cummins, Norman W., Louisville, Ky. Cup. Des. 87,872; Oct. 4.
Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Hand brake mechanism. 1,858,138; May 10.
Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Drop brake. 1,877,730; Sept. 13.
Cmunins, Walter E., Long Beach, Calif. Pumping jack. 1,878,469; Sept. 20.
Cummins, Walter E., Santa Maria, Calif. Headlight. 1,892,265; Dec. 27.
Cummiskey, Frederick, New York, N. Y. Combined stool and stepladder. 1,870,309; Aug. 9.
Cumpston, Frederick B., Blooming Grove, assignor of one-half to M. R. Spellman, Dallas, Tex. Gin rib. 1,851,977; Apr. 5.
Cunard, Russell S., Everett, Pa. Direction signal for automobiles. 1,847,070; Mar. 1.
Cundall, Constant T., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Signature folding machine. 1,849,971; Mar. 15.
Cundall, Robert N., Blasdell, N. Y., assignor, by mesne assignments, to Consolidated Packaging Machinery Corp. Machine for filling containers. 1,872,686; Aug. 23.
Cundall, Robert N., Blasdell, assignor to The Hoepner Automatic Machinery Corporation, Buffalo, N. Y. Container filling machine. 1,879,794; Sept. 27.
Cundiff, Charles W., assignor to Owensboro Ditcher & Grader Co., Inc., Owensboro, Ky. Terracer, road grader, and ditcher. 1,885,804; Nov. 1.
Cundiff, Charles W., and W. A. Steele, assignors to Owensboro Ditcher & Grader Co., Inc., Owensboro, Ky. Terracing-ditching and grading machine. 1,879,115; Sept. 27.
Cunning, Harry F., Roanoke, Va. Lubricating device. 1,861,114; May 31.
Cunningham, Arthur B., assignor to Republic Flow Meters Co., Chicago, Ill. Differential gas balance. 1,877,738; Sept. 13.
Cunningham, Arthur B., and A. F. Spitzglass, assignors to Republic Flow Meters Company, Chicago, Ill. Multiple differential pressure gauge. 1,870,000; Aug. 2.
Cunningham, Charles G., Portchester, N. Y. Shut-off and mixing valve. 1,842,825 Jan. 26.
Cunningham Company, M. E. (See Speicher, Frank S., assignor.)
Cunningham, Edward P., jr., New Rochelle, and A. E. Rioux, Rockville Center, N. Y., assignors to Edward P. Cunningham, Inc., New York, N. Y. Hat construction. 1,848,049; Mar. 1.
Cunningham, Edward P., Inc. (See Cunningham, E. P., and Rioux, assignors.)
Cunningham, George G., et al. (See McHaley, Henry, assignor.)
Cunningham, George W., Seminole, Okla. Oil saver. 1,883,596; Oct. 18.
Cunningham, Harry G. (See Rudolph, W. F., Hunt, and Cunningham.)
Cunningham, Harry G., Los Angeles, Calif. Film race for cameras. 1,866,014; July 5.
Cunningham-Jacques Company et al. (See Cunningham, Matthew A., assignor.)
Cunningham, James, Portland, Oreg. Combination nailing, stapling, and riveting machine. 1,876,622; Sept. 13.
Cunningham, James M., Glenville, N. C. Garden implement. 1,855,282; Apr. 26.
Cunningham, John W. (See Cunningham, Joseph M. and J. W.)
Cunningham, Joseph M. and John W., Kansas City, Mo. Indicator. 1,853,610; Apr. 12.
Cunningham, Katherine E., assignor to Associated Apparel Industries, Inc., Chicago, Ill. Combination garment. 1,871,964; Aug. 16.
Cunningham, Katherine E., assignor to The H. W. Gossard Co., Chicago, Ill. Combination garment. 1,859,198; May 17.
Cunningham, Lewis L., Minneapolis, Minn. Flat object container. 1,850,790; Mar. 22.
Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Regulating system. Re18,503; June 21.
Cunningham, Lewis L., assignor to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Fuel control apparatus. 1,877,275; Sept. 13.
Cunningham, M. E., Company. (See Speicher, Frank S., assignor.)
Cunningham, Marion M., assignor to Bendix Brake Company, South Bend, Ind. Manufacture of rivets. 1,870,709; Sept. 6.
Cunningham, Matthew A., Stoughton, Mass., assignor, by mesne assignments, to Cunningham-Jacques Company, and Russell Supply Company. Ink distributing device for printing presses. 1,864,340; June 21.
Cunningham, Orin D. (See Derby, I. H., and Cunningham.)
Cunningham, Orin D. (See Hess, Raymond W., and Cunningham.)
Cunningham, Patrick F., Chicago, Ill. Locomotive step. 1,855,442; Apr. 26.
Cunningham, Patrick P., Provo, Utah. Tuyère. 1,873,996; Aug. 30.
Cunningham, R. R. (See Rutherford, William R., assignor.)
Cunningham, Raymond C., assignor to Hincher Paper Box Company, Seattle, Wash. Box forming and wrapping machine. 1,868,567; July 26.
Cunningham, Richard F., Halifax, Nova Scotia, Canada. Tail light. 1,848,514; Mar. 8.
Cunningham, Roy R., New York, N. Y., assignor, by mesne assignments, to Fly-By-Night Brush Company, Wilmington, Del. Dental arch test card. 1,840,703; Jan. 12.
Cunningham, Thomas J., Philadelphia, Pa. Folding shower bath. 1,846,631; Feb. 23.
Cunningham, Vincent R., et al. (See McHaley, Henry, assignor.)
Cunningham, William G., Atlanta, Ga. Vehicle washing apparatus. 1,866,197; July 5.
Cunningham, William L., Salina, Kans. Air-vent parachute. 1,877,227; Sept. 13.
Cunningham, William T., St. Clair, Mich. Vacuum cleaning machine. 1,853,960; Apr. 12.
Cunnington, George H., assignor, by mesne assignments, to The General Tire & Rubber Company, Akron, Ohio. Nonskid cross link for tire chains. 1,859,656; May 24.
Cunnington, George R., assignor, by mesne assignments, to The General Tire & Rubber Company, Akron, Ohio. Nonskid link and manufacture thereof. 1,859,657; May 24.
Cunnius, Calvin T., assignor to Automotive Devices Corporation, New Brunswick, N. J. Headlight. 1,845,864; Feb. 16.
Cupp, Oliver L., and J. C. Atterbury, Madison, Mo. Clamp or holder for egg case tops. 1,888,622; Nov. 22.
Curas, James, and A. Adamis, Stamford, Conn. Automatic train signal. 1,872,085; Aug. 23.
Curcio, Ralph, Gardner, Mass. Chair seat. 1,857,942; May 10.
Curd, John P., Louisville, Ky. Screw plug slide valve. 1,870,557; Aug. 9.
Curfman, Ralph O. (See Smith, R. E., Arnold, and Curfman.)
Curioni, Aldo, Larchmont, N. Y., assignor to Curioni Bros. Inc. Needling apparatus. 1,853,961; Apr. 12.
Curioni, Aldo, Larchmont, N. Y., assignor to Curioni Bros. Inc. Vaporizing apparatus. 1,882,318; Oct. 11.
Curioni Bros. Inc. (See Curioni, Aldo, assignor.)
Curle, Charles W., San Francisco, Calif. Low slugging cutter mechanism. 1,878,266; Sept. 20.
Curle, George L., Minneapolis, Minn. Matrix anvil. Des. 87,036; May 24.
Curle, George L., Minneapolis, Minn. Spouting system for type casting machines. 1,875,565; Sept. 6.
Curley, Thomas V., Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,863,086; June 14.
Curley, William, et al. (See Borovsky, Peter, assignor.)
Curnes, Robert L. (See Pierce, J. B., jr., and Curnes.)
Curney, David J., Vineyard Haven, Mass. Sand trap for protection of shores, beaches, etc. 1,880,838; Oct. 4.
Curo Process Company. (See Lerch, William B., assignor.)
Currah, Launcelot E. (See Sandeman, E. K., and Currah.)
Curran, Eugenie L. H., Portland, Oreg. Brake tester. 1,849,910; Mar. 15.
Curran, Francis J., Chicago, Ill. Insecticide and deodorizing tablet. Re18,504; June 28.
Curran, Francis J., Chicago, Ill. Vaporizer. 1,864,980; June 28.

Curran, Frank J., New York, N. Y., assignor, by mesne assignments, to Steam Power, Inc. Boiler construction. 1,882,210; Oct. 11.

Curran, Frank J., New York, N. Y., assignor, by mesne assignments, to Steam Power, Inc. Self cleaning atomizing nozzle. 1,882,241; Oct. 11.

Curran, Frank J., San Francisco, Calif., assignor, by mesne assignments, to Steam Power, Inc. Boiler construction. 1,882,240; Oct. 11.

Curran, Frank J., and W. McClellan, New York, N. Y., assignors, by mesne assignments, to Steam Power, Inc. Steam boiler. 1,882,211; Oct. 11.

Curran, Frank M., Grand Rapids, Mich., assignor to Hasselkus Manufacturing Corporation. Inlaid panel and making same. 1,889,535; Jan. 5.

Curran, Thomas A., New York, assignor to H. J. Sheeran, New Rochelle, N. Y. Liquid fuel burner. 1,865,869; July 5.

Currie, Augusta C., executrix. (See Currie, George O.)

Currie, Daniel H., Tow Tagle, R. G., and Currie.)

Currie, Elmer J. (See Watts, W. H., and Currie.)

Currie, George O., Skowhegan, Me., deceased, A. C. Currie, executrix. Potato digging machine. 1,864,484; June 21.

Currie, Gilbert, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device for circuitous elevators. 1,869,883; Aug. 2.

Currie, James. (See Shores, R. L., and Currie.)

Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Torch or lamp. 1,841,364; Jan. 19.

Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Lantern. 1,849,136; Mar. 15.

Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Oil fount. 1,858,884; May 24.

Currie, Robert A., and F. M. Thiel, Syracuse, assignors to R. E. Dietz Company, New York, N. Y. Lantern. 1,858,885; May 17.

Currier, Andrew E., Leominster, Mass., assignor to Cornell Bag Corporation, New York, N. Y. Method and apparatus for bottoming bags. 1,880,336; May 31.

Currier, Andrew E., Leominster, Mass., assignor to Cornell Bag Corporation, New York, N. Y. Method of and apparatus for adding supplemental members to bag ends. 1,880,839; Oct. 4.

Currier, Arthur L., New Ipswich, N. H. Wire binding device. 1,858,903; May 17.

Currier, Arthur L., Ashburnham, Mass., assignor, by mesne assignments, to Cornell Bag Corporation. Screw feeding device. 1,858,840; Oct. 4.

Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,842,507; Jan. 26.

Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,860,996; May 31.

Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,860,997; May 31.

Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Tuning apparatus. 1,890,721; Dec. 13.

Currier, John C., and C. W. Lipe, San Jose, Calif. Fruit processing means. 1,856,945; May 3.

Currier, Richard D., deceased, Reading, Mass.; Walter R. Grant, executor. Stringed musical instrument. 1,881,311; Oct. 4.

Curry, Howard J., assignor to The Kimball System of Portland, Portland, Me. Display sign. 1,855,790; Apr. 26.

Curry Landskiff Corporation. (See Curry, Manfred, assignor.)

Curry, Manfred, assignor to Curry Landskiff Corporation, New York, N. Y. Vehicle. 1,845,044; Feb. 16.

Cürs, Alfred, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vessel for operations with ammonia carried out at elevated temperatures. 1,880,841; Oct. 4.

Curti, Ernesto, Milan, Italy. Pneumatic tool operating apparatus. 1,867,254; July 12.

Curtice Brothers Co. (See Cumming, Howard T., assignor.)

Curtin, Andrew F., Medford, Mass. Ball cock. 1,840,309; Jan. 12.

Curtin, Leo P., Cranbury, N. J. Recovering bromine. 1,844,563; Feb. 9.

Curtin, Leo P., Cranbury, N. J. Preserving wood. 1,855,666; Apr. 26.

Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit breaker for motors in signaling systems. 1,864,981; June 28.

Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing device. 1,869,884; Aug. 2.

Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating device. 1,871,361; Aug. 9.

Curtis, Charles, Chicago, Ill. Piston ring and expander therefor. 1,840,935; Jan. 12.

Curtis, Charles G., New York, and E. R. Newton, Jamaica, N. Y. Two-cycle internal combustion engine. 1,855,791; Apr. 26.

Curtis, Charles G., New York, and E. R. Newton, Jamaica, N. Y. Two cycle engine. 1,858,002; May 10.

Curtis, Cleil, Plano, Iowa. Tractor wheel. 1,856,320; May 3.

Curtis Companies. (See Madsen, Sern, assignor.)

Curtis Companies, Incorporated. (See Madsen, Sern, assignor.)

Curtis Companies, Inc. (See Cook, Samuel S, assignor.)

Curtis, Earl W., Cleveland, Ohio. Crosscut sawing machine. 1,854,111; Apr. 12.

Curtis, Edna H., jr., Cincinnati, assignor, by mesne assignments, to General Glass Corporation, Lancaster, Ohio. Apparatus for feeding molten glass. 1,864,186; June 21.

Curtis, Edna H., jr., Cincinnati, assignor, by mesne assignments, to General Glass Corporation, Lancaster, Ohio. Can and its mounting for a glass feeder. 1,864,187; June 21.

Curtis, Elam C., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Production of argon and neon. 1,892,186; Dec. 27.

Curtis, Francis J., Belmont, assignor to Merrimac Chemical Company, Inc., Boston, Mass. Sising fibrous material. 1,885,185; Nov. 1.

Curtis, Frank W., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Metal cutting tool. 1,865,617; July 5.

Curtis, George W., New York, N. Y. Container seal. 1,857,677; Sept. 20.

Curtis, Guy H., Strome, Alberta, Canada. Snowplow. 1,863,474; June 14.

Curtis, Harold P. jr. (See Barrows, R. Y., and Curtis.)

Curtis, Harry R., Huntington, and A. E. Keating, assignors to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Screw driver. 1,858,222; Nov. 22.

Curtis, Henry E., San Jose, Calif. Power transmission and controlling means. 1,848,698; Mar. 8.

Curtis, Henry E., San Jose, Calif. Power transmission mechanism. 1,861,909; June 7.

Curtis, Henry E., San Jose, Calif. Power transmission. 1,870,843; Sept. 27.

Curtis, Homer P., assignor of one-half to J. E. Higson, Denver, Colo. Filter. 1,861,469; June 7.

Curtis, John B., Nichols, Conn., assignor to Remington Arms Company, Inc. Affixing ornamental plates. 1,839,653; Jan. 5.

Curtis, Leslie F., and F. S. Coe, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass. Radio tuning apparatus. 1,877,228; Sept. 13.

Curtis, Leslie F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Carrier for electromagnetic pickup. 1,891,369; Dec. 20.

Curtis Lighting, Inc. (See Hotchkin, Paul M., assignor.)

Curtis Lighting, Inc. (See Lundy, Edwin K., assignor.)

Curtis Manufacturing Company. (See Ackerman, Frank, assignor.)

Curtis Manufacturing Company. (See Steedman, Edwin H., assignor.)

Curtis, Myron S., Pawtucket, R. I., assignor to Potter & Johnston Machine Company. Metal working machine. 1,880,843; Oct. 4.

Curtis, Phillip N., assignor to Baker Box Company, Worcester, Mass. Shipping-crate. 1,867,062; July 12.

Curtis, Richard C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-frequency supply. 1,861,437; June 7.

Curtis, Richard C., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Voltage-supply means for directional relays. 1,877,446; Sept. 13.

Curtis, Richard C., and C. A. Boddie, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Signaling system. 1,862,137; June 7.

Curtis, Robert W., Hamkirk, and T. H. Ainsworth, Schenectady, N. Y. Adjustable equalizer fulcrum device. 1,845,012; Feb. 16.

Curtis, Thomas J., Venice, assignor, by mesne assignments, to R. G. Hooper, Beverly Hills, Calif. Electrolytic water purifier. 1,862,663; June 14.

Curtis, Thomas O., Cumberland, Md. Locomotive sandpilot machine. 1,852,505; Apr. 5.

Curtis, William H., Portland, Oreg., assignor to Granberg Meter Corporation, San Francisco, Calif. Liquid meter system. 1,866,328; Nov. 1.

Curtis, Winfred F., Saugus, Mass. Machine to serve ice cream. 1,866,542; July 12.

Curtiss Aeroplane & Motor Company. (See Beisel, Rex B., assignor.)

Curtiss Aeroplane & Motor Company. (See Blanchard, Werner J., assignor.)

Curtiss Aeroplane & Motor Company. (See Geignetter, Charles G., assignor.)

Curtiss Aeroplane & Motor Company. (See Henrichsen, Knut, assignor.)

Curtiss Aeroplane & Motor Co. (See Nutt, Arthur, assignor.)

Curtiss Aeroplane & Motor Company. (See Nutt, A., and Leak, assignors.)

Curtiss Aeroplane & Motor Company. (See Osborn, Robert R., assignor.)

Curtiss Aeroplane & Motor Company. (See Page, George A., jr., assignor.)

Curtiss Aeroplane & Motor Company. (See Steward, Colby W., assignor.)
Curtiss Aeroplane & Motor Company. (See Stupar, M. and Page, jr., assignors.)
Curtiss Aeroplane & Motor Company, Inc. (See Wright, Theodore P., assignor.)
Curtiss Aeroplane & Motor Company, Inc. (See Henrichsen, K., and Page, assignors.)
Curtiss Aeroplane & Motor Company, Inc. (See Moore, Edmund B., assignor.)
Curtiss Aeroplane & Motor Company, Inc. (See Payne, Samuel T., assignor.)
Curtiss Candy Company. (See Schnering, Otto Y., assignor.)
Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Sadiron. 1,870,200; Aug. 2.
Curtiss, Glenn H., Hialeah, Fla., assignor to The Aerocar Corporation, Wilmington, Del. Automotive vehicle. 1,880,842; Oct. 4.
Curtiss, Glenn H., Country Club Estates, Fla., assignor to The Aerocar Corporation, Wilmington, Del. Road vehicle body structure. 1,880,844; Oct. 4.
Curtiss, Leon F., Garrett Park, Md. Process and apparatus for testing catalysts. 1,849,911; Mar. 15.
Curtiss, Nathan A., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming cables. 1,866,250; July 5.
Curtiss-Wright Airplane Company. (See Henrichsen, Knut, assignor.)
Curtiss, Florence M., Indianapolis, Ind. Garment. 1,845,131; Feb. 16.
Curtner, Lloyd F., Cleveland, and F. M. Case, Cleveland Heights, assignors to The Phantom Stoker Sales Corporation, Cleveland, Ohio. Stoker. 1,849,791; Mar. 15.
Curzon, John S., Peerless, Utah, assignor of one-half to Ace Miner, Helper, Utah. Vending machine. 1,870,100; Aug. 2.
Cusachs, C. V., et al., trustees. (See Hanke, Julius F., assignor.)
Cuscaden, Henry J., Highland Park, Ill. Suit hanger. 1,867,614; July 12.
Cushing, Adam G., Vancouver, Wash. Vehicle brake. 1,861,788; June 7.
Cushing, Edgar B. (See Crow, Harry L., assignor.)
Cushman, Abe L., Concord, N. H. Motor drive unit. 1,887,547; Nov. 15.
Cushman, Charles S., Barre, Vt. Stone polisher. 1,848,467; Mar. 8.
Cushman Chuck Company, The. (See Sloan, H. E., and Higbberg, assignors.)
Cushman, H. T., Mfg. Co. (See Cushman, William C. H., assignor.)
Cushman, James S. (See Spengler, Henry, assignor.)
Cushman, William C. H., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Article of furniture. 1,890,456; Dec. 13.
Cushnie, Peter, White Plains, assignor to Sperry Products, Inc., Brooklyn, N. Y. Automobile rail heater for rail flaw detector mechanism. 1,874,030; Aug. 30.
Cushwa, Charles B., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Tunnel liner. 1,843,102; Jan. 26.
Cusick, Albert J. (See Kraus, C., and Cusick.)
Cusson, Sylvain, New York, N. Y. Textile fabric or the like. Des. 88,502; Dec. 6.
Cussons, Alexander T., Kersal, Manchester, England. Combined shaving soap container and shaving cup. Des. 87,959; Oct. 18.
Custer, Fred, assignor to The De Vilbiss Company, Toledo, Ohio. Pump atomizer. 1,849,661; Mar. 15.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. Des. 86,111; Feb. 2.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen desk set. 1,860,853; May 31.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Cap construction. 1,872,064; Aug. 16.
Cuthbertson, John S., assignor of two-thirds to F. H. Decann, Buffalo, and one-third to J. H. Hider, Tonawanda, N. Y. Air valve. 1,862,868; June 7.
Cuthbertson, Robert W., Ashfield, Rainhill, England. Device for shoring or supporting the roofs of mines. 1,851,496; Mar. 29.
Cutler, Albert L. (See Bidwell, W. C., and Cutler.)
Cutler, Clarence W., Wheaton, Ill., assignor to General Electric Company. System of motor control. 1,849,825; Mar. 15.
Cutler, Clarence W., Wheaton, and S. B. Sykes, Oak Park, Ill., assignors to General Electric Company. Motor control system. 1,844,640; Feb. 9.
Cutler, Clifford A. Buffalo, N. Y. Desk. Des. 86,998; May 24.
Cutler, David A., Wollaston, assignor to Alfred Hale Rubber Company, Atlantic, Mass. Sport shoe. 1,842,387; Jan. 26.
Cutler, Eli N., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,870,946; Aug. 9.
Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Belt conveyer. 1,843,208; Feb. 2.
Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Grading machine. 1,860,732; May 31.
Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Conveying and aligning mechanism. 1,865,086; June 28.
Cutler-Hammer, Inc. (See Campbell, Harry E., assignor.)
Cutler-Hammer, Inc. (See Crout, Prescott, assignor.)
Cutler-Hammer, Inc. (See Evans, Clarence T., assignor.)
Cutler-Hammer, Inc. (See Ferris, Willard J., assignor.)
Cutler-Hammer, Inc. (See Fritz, Earl A., assignor.)
Cutler-Hammer, Inc. (See Harwood, Paisley B., assignor.)
Cutler-Hammer, Inc. (See Harwood, P. B., and Newman, assignors.)
Cutler-Hammer, Inc. (See Harwood, P. B., and Stansbury.)
Cutler-Hammer, Inc. (See Hodgson, Howard E., assignor.)
Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
Cutler-Hammer, Inc. (See Le Van, James D., assignor.)
Cutler-Hammer, Inc. (See Le Van, J. D., and Stansbury, assignors.)
Cutler-Hammer, Inc. (See Lightfoot, Edwin N., assignor.)
Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Cutler-Hammer, Inc. (See Meyer, Friedrich W., assignor.)
Cutler-Hammer, Inc. (See Millermaster, Ralph A., assignor.)
Cutler-Hammer, Inc. (See Millermaster, R. A., and Twesling, assignors.)
Cutler-Hammer, Inc. (See Packard, Horace N., assignor.)
Cutler-Hammer, Inc. (See Rapley, Harold H., assignor.)
Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)
Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Cutler-Hammer, Inc. (See Stansbury, C., and Brown, assignors.)
Cutler-Hammer, Inc. (See Stansbury, C., and Crout, assignors.)
Cutler-Hammer Inc. (See Stevens, William C., assignor.)
Cutler-Hammer, Inc. (See Tregoning, William C., assignor.)
Cutler, Henry H., Brookline, Mass. Internal combustion engine. 1,845,245; Feb. 16.
Cutler, Max, Los Angeles, Calif. All-electric auto combination lock. 1,852,711; Apr. 5.
Cutler, Samuel C., Murral Hill, N. J. Gas washing apparatus. 1,875,300; Aug. 30.
Cutler, Samuel R., administrator. (See Furber, Frederick M.)
Cutler, Wallace M., Annisquam, Mass. Variable speed mechanism. 1,859,815. May 24.
Cutter, Arthur L., Norwood, Mo. Cloth laying machine. 1,866,088; July 5.
Cutter Manufacturing Company. (See Cranshaw, Harold B., assignor.)
Cutter, Parker A. (See Champlin, S. H., Cutter, Kasten, and Butte.)
Cutter, Parker A., assignor of three-fourths to Golden State Asparagus Co., San Francisco, Calif. Vegetable and fruit grading apparatus. 1,872,903; Aug. 23.
Cutti, Bertha. (See Nicolich, Giuseppe, assignor.)
Cutting, Charles D., Detroit, Mich. Universal joint. 1,853,300; Apr. 12.
Cutting, Frank C. (See Clinkscales, J. W., jr., and Cutting.)
Cutts, Richard M., Washington, D. C. Lubricating system. 1,877,124; Sept. 13.
Cuvillier, Francois, Barsanne, France. Beet pulling and cutting apparatus. 1,854,112; Apr. 12.
Cyclerow Corporation, Ltd. (See Hess, Albert L., assignor.)
Cycle Corporation. (See Honig, Frank, assignor.)
Cyclone Manufacturing Company, The. (See Speicher, Daniel E., assignor.)
Cyclophane Company, The. (See Woodson, O. L., and Myrtues, assignors.)
Cyganick, Mary, Detroit, Mich. Composition for cleaning and polishing glass. 1,844,933; Feb. 16.
"Cyklop Akt." Ges. (See Stahle, Gustav, assignor.)
Cyphers, William D., Tulsa, Okla., assignor to The Ohio Oil Co., Findlay, Ohio. Service station building. Des. 88,223; Nov. 8.
Cypress Novelty Corporation. (See Allyn, Robert S., assignor.)
Cypress Novelty Corporation et al. (See Krieg, Anthony W., assignor.)
Cypress Novelty Corporation, et al. (See Preston, J. E., and Sobelow, assignors.)
Czapar, Frank jr., San Diego, Calif. Device for feeding granular material. 1,859,855; May 24.
Czarnecki, Wladyslaw. (See Murphy, T. W., and Czarnecki.)
Czarny, Martin, Roselle, and Frank C. Frolander, Elizabeth, N. J., assignors to Caulizer Holding Corporation, New York, N. Y. Oil rectifying apparatus. 1,865,333; Nov. 1.
Czelis, Oskar, L. Richters, and H. Thirring, assignors to Selenophon Licht- und Tonbildgesellschaft m. b. H., Vienna, Austria. Apparatus for reproducing sounds recorded on films. 1,843,708; Feb. 2.

Czeija, Oskar, and H. Thirring, assignors to Selenophon Licht und Tonbild-Gesellschaft m. b. H., Vienna, Austria. Sound record band with a plurality of records. 1,880,240; Oct. 4.

Czemba, Frank. (See Williams, W. D., Czemba, Wilson, and Lunney.)

Czemba, Frank, Duluth, Minn. Fence post. 1,859,695; May 24.

Czemba, Frank, Duluth, Minn. Cutter. 1,886,942; Nov. 8.

Czichos, Paul A., Washington, D. C. Golf accessory. 1,852,956; Apr. 5.

Czop, Andy, Allentown, Pa. Detachable button. 1,880,845; Oct. 4.

Dane, Reinhardt, Youngstown, Ohio. Billet furnace. 1,872,204; Aug. 23.

Daane, Arthur J., Chicago, Ill. Reflector. 1,841,524; Jan. 19.

Dabney, Wendell P. (See Johnson, Paul E., assignor.)

Dabrasky, August, Washington, D. C. Cartridge feed mechanism. 1,842,246; Jan. 26.

Dabroski, Stanley, Springfield, Mass. Filling station valve operating device. 1,858,766; May 17.

Dach, Max. (See Schramm, F. C., and Dach.)

Dacus, Lemma B., Social Circle, Ga. Sanitary holder. 1,850,663; Mar. 22.

Daddio, Pasquale, New York, N. Y. Pneumatic tire. 1,886,470; Nov. 8.

Daddysman, Alonzo F., assignor, by mesne assignments, to M. R. Thomas, Charleston, W. Va. Packing construction and seal tube. 1,849,912; Mar. 15.

Dady, Allan, Dady & Parker, C. J., Burg, and Dady.)

Daemicke Company, The. (See Zelenka, Ernest, assignor.)

Dagand, John, Albany, Wis. Cheese press. 1,840,936; Jan. 12.

Dagg, Adam, Hollywood, Ill. Roof joining. 1,842,748; Jan. 26.

Dagg, Adam, Hollywood, Ill. Roof joining. 1,842,749; Jan. 26.

Dague, Byron S., Annapolis, Md. Method and apparatus for testing hollow articles. 1,861,684; June 7.

Dahl, Conrad, Chicago, Ill., assignor of one-half to M. A. Pardieck and one-half to Selected Products Corporation. Amusement swing. Re18,572; Aug. 23.

Dahl, Earl A., Hooper, Nebr. Holder for hogs and other animals. 1,883,598; Oct. 18.

Dahl, Harry. (See Lassen, H. C., and Dahl.)

Dahl, Jack F. (See Carpenter, Warren W.)

Dahl, Jack F., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call distributing system. 1,841,093; Jan. 12.

Dahl, Jack F., West Orange, N. J., and W. W. Carpenter, Garden City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call distributing system. 1,866,593; July 12.

Dahl, Norman F., Brooklyn, assignor to Keen Waving Company, Incorporated, New York, N. Y. Combination shield. 1,847,522; Mar. 1.

Dahl, Otto, Berlin, Germany, assignor to General Electric Company. Coherer. 1,847,929; Mar. 1.

Dahl, Robert. (See Hatton, W., and Dahl.)

Dahlberg, Alfred E., Chicago, Ill. Cutting compound or lubricant. 1,881,173; Oct. 4.

Dahlberg, Arthur E., Madison, Wis. Fountain pen. 1,882,780; Oct. 18.

Dahlen, Charles A., Duluth, Minn. Rug making machine. 1,853,599; Apr. 12.

Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solid diazo salts. 1,863,154; June 14.

Dahlgren, Allan G. (See Soderberg, A. W., and Dahlgren.)

Dahlgren, Bror E., Chicago, Ill. Book support. 1,864,807; June 28.

Dahlgren, Sven A. B., Alsten, Sweden, assignor to The DeLaval Separator Company, New York, N. Y. Apparatus for separating liquids of different specific gravities. 1,870,603; Aug. 9.

Dahlin, Fred G., Chicago, Ill. Wedding ring. Des. 86,355; Mar. 1.

Dahlman, Dudley. (See Dahlman, Helen and D.)

Dahlman, Helen and D., Brooklyn, N. Y. Bridge set accessory. 1,865,618; July 12.

Dahlquist, Theodore W., Dedham, Mass. Hot water boiler. 1,842,388; Jan. 26.

Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor structure. 1,873,956; Aug. 30.

Dahlstrom, Emil. (See Sandwick, R., and Dahlstrom.)

Dahlstrom, Eric A. (See Cole, L. H., and Dahlstrom.)

Dahlstrom, Frank P. (See Sheperdson, J. W., and Dahlstrom.)

Dahlstrom, Frank P., assignor to Morgan Construction Company, Worcester, Mass. Automatic positioning mechanism for billets and the like. 1,880,374; Oct. 4.

Dahlstrom, John A. (See Chadwick, L. S., Resek, and Dahlstrom.)

Dahlstrom, John A., Bay Village, assignor to Perfection Stove Company, Cleveland, Ohio. Burner control system. 1,858,265; May 17.

Dahlstrom, John J., New Orleans, La. Crate. 1,873,187; Aug. 23.

Dahlstrom Metallic Door Company. (See Ayers, Gerald B., assignor.)

Dahlstrom Metallic Door Company. (See Jacobson, Ludwig G., assignor.)

Dahlstrom Metallic Door Company. (See Rose, Edwin L., assignor.)

Dahms, George L., Columbiana, Ohio. Furniture conveyer. 1,889,274; Nov. 29.

Dahl, Floyd E. (See Cassell, William H.)

Dahners, Wilhelm. (See Rubinstein, J., Heidelberg, Uhlhorn, and Dahners.)

Daigle, Gillis A., Port Arthur, Tex. Folding bed. 1,871,158; Aug. 9.

Dailey, Charles A. (See Box, John V., assignor.)

Dailey, Charles A., Torrance, Calif. Operating mechanism for pumping outfits and the like. 1,891,403; Dec. 20.

Dailey, Frank L., assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary cover or closure. 1,858,139; May 10.

Dailey, Harold O., Needham Heights, Mass. Container. 1,842,542; Jan. 26.

Dailey, Harold O., Needham Heights, Mass. Machine and method for pressing cup-shaped members. 1,844,500; Feb. 9.

Dailey, John J. (See Zuck, O. C., and Dailey.)

Dailey, Karl F., Cleveland, Ohio. Strip steel coil-unwinder. 1,875,566; Sept. 6.

Dailey, Roy A., Taft, Calif. Device for controlling the flow of fluid. 1,852,233; Apr. 5.

Dailey, William O., Portland, Oreg. Making collar snubbers. 1,882,242; Oct. 11.

Dailey, William O., Portland, Oreg. Apparatus for forming and bending flexible materials. 1,882,243; Oct. 11.

Dailey, William T., et al. (See Hutchings, Edward W., assignor.)

Daily, James M., assignor, by mesne assignments, to American Ozone Company, Chicago, Ill. Device for mixing gases and liquids. 1,839,952; Jan. 5.

Daily, James M., assignor to American Ozone Company, Chicago, Ill. Apparatus for purifying water with ozone. 1,865,433; July 5.

Daily, William H., Chicago, Ill. Automatic phonograph. 1,885,005; Oct. 25.

Daily, William H., Chicago, Ill. Automatic phonograph. 1,885,006; Oct. 25.

Daimler-Benz Aktiengesellschaft. (See Bauer, Jordan, assignor.)

Daimler-Benz Aktiengesellschaft. (See Brenner, Guilleaume E., assignor.)

Daimler-Benz Aktiengesellschaft. (See Fritzsche, Paul E., assignor.)

Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)

Daimler-Benz Aktiengesellschaft. (See Seizer, Otto, assignor.)

Daimler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)

Daimler-Benz Aktiengesellschaft. (See Weber, Otto H., assignor.)

Daimler, Karl, Hochst-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Detergent. 1,843,316; Feb. 2.

Daimler, Karl, and K. Platz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Ester-like constituted wetting agents, foaming agents and dispersing agents and preparing them. 1,881,172; Oct. 4.

Daimler Company, The. (See Martin, Percy, assignor.)

Dain Manufacturing Company. (See Moschel, Herman, assignor.)

Dain Manufacturing Company of Iowa. (See Jones, F. D., and Moschel, assignors.)

Daine, Robert L., New York, N. Y. Tape pulling device. 1,888,623; Nov. 22.

Daine, Robert L., New York, N. Y., and R. Guyé, Neuchatel, Switzerland, assignors to The Chronometer Corporation, New York, N. Y. Quotation board or the like apparatus. 1,872,129; Aug. 16.

Dainton, Edgar H. (See Logette, A. I., and Dainton.)

Dainton, Francis M., assignor of one-half to A. St. James, New York, N. Y. Internal combustion engine. 1,871,589; Aug. 16.

Dainton, Francis M., assignor of one-half to A. St. James, Brooklyn, N. Y. Internal combustion engine. 1,889,641; Nov. 29.

Daisy Manufacturing Company. (See Le Fever, Charles F., assignor.)

D'Aix, Fritz C. L., Chicago, Ill. Internal combustion engine. 1,856,242; May 3.

Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Lamp stand. 1,870,609; Aug. 9.

Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Packing for steam turbines and the like. 1,880,846; Oct. 4.

D'Albay, Jacques T., Paris, France. Apparatus for submarine explorations at great depths. 1,879,735; Sept. 27.

Dalchow, Franz, Nauen, near Berlin, Germany. Method and device to direct the shoots of young trees. 1,886,531; Nov. 8.

Dale, Robert B., Jamaica, assignor of one-half to S. Summer and one-half to F. S. Summer, New York, N. Y. External combustion engine. 1,849,347; Mar. 15.

Dalén, Gustaf, Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden. Cooking stove with heat accumulator. 1,847,930; Mar. 1.
Dalen, Gustaf, Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden. Cooking stove with heat accumulator. 1,852,009; June 7.
D'Alessio, Carlo. (See Splinelli, Nicola, assignor.)
Daley, James C., assignor to Jefferson Electric Company, Chicago, Ill. Sign cabinet. 1,883,768; Oct. 18.
D'Alton, William R., York, N. Y. General tone control apparatus. 1,858,486; May 17.
Dalgliesh, Herbert V., deceased, Atlanta, Ga.; S. A. Love, administrator of said H. V. Dalgliesh, assignor of one-half to F. L. Browne and N. J. Jewett, Washington, D. C. Apparatus for affecting the physical condition of gases. 1,890,497; Dec. 13.
Dalheimer, Walther, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Wire bending mechanism. 1,857,119; May 3.
Dalkowitz, Godfrey, New York, assignor to The American Safety Razor Corporation, Brooklyn, N. Y. Holder for blade processing. 1,880,848; Oct. 4.
Dall, Horace E., assignor to George Kent, Limited, Luton, England. Planimeter. 1,861,441; July 12.
Dallas, Charles D., assignor to Revere Copper & Brass Incorporated, Chicago, Ill. Coiling machine. 1,871,665; Aug. 16.
Dallas, Charles D., Chicago, Ill., assignor to Revere Copper & Brass Incorporated, Rome, N. Y. Air ring. 1,871,666; Aug. 16.
Dallas, John M., Philadelphia, Pa. Extension device. 1,841,278; Jan. 12.
Dallas, Ronald H., Long Beach, Calif. Refrigerator bottle. Des. 87,624; Aug. 23.
Dallas, Weaver, Thomaston, Ga. Puppet doll. 1,865,305; June 28.
Dalldorf, Lloyd, and F. Mason, Southgate, assignors, to William H. Maxwell, Los Angeles, Calif. Stopcock. 1,873,248; Aug. 16.
Dällenbach, Walter, Zurich, Switzerland. Vacuum discharge vessel. 1,866,624; July 12.
Dällenbach, Walter, Zurich, Switzerland. Vacuum discharge vessel. 1,866,625; July 19.
Daller, Adrian O., Mount Vernon, N. Y., assignor to Daller Carton Co. Inc. Carton. 1,888,818; Nov. 22.
Daller Carton Co. Inc. (See Daller, Adrian O., assignor.)
Dallett Company, The. (See Michel, John, assignor.)
Dallett Company, The. (See Smith, Charles D., assignor.)
Dallos, Josef, Budapest, Hungary, assignor to Carl Zeiss, Jena, Germany. Contact glass. 1,869,366; Aug. 2.
Dallwig, Theodor. (See Britt, S., and Melita, assignors.)
Dalmace, Georges, Levallois-Perret, and L. Jacquet, Argenteuil, France. Hydraulic stabilizer for motor vehicles. 1,841,791; Jan. 19.
Dalmas, Amadeus G., Oakland, Calif. Manicuring device. 1,868,160; July 19.
Dalmau, Antonio P., Barcelona, Spain. Automatic block system. 1,845,132; Feb. 16.
Dalrymple, Gerald H., Bartley, near Southampton, England, assignor to C. J. Van Bourgondien, Babylon, N. Y. Fressia. Pl. Pt. 32; Oct. 11.
Dalrymple, Gerald H., Bartley, near Southampton, England, assignor to C. J. Van Bourgondien, Babylon, N. Y. Fressia. Pl. Pt. 44; Nov. 22.
Dalrymple, William P., assignor of one-half to Cameron A. Whitsett, Chicago, Ill. Rotary compressor and pump. 1,864,640; June 28.
Dalrymple, William P., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Indicating the height of a liquid in a tank. 1,866,843; July 12.
Dalton, Charles, Leeds, England. Free wheel or ratchet clutch. 1,867,938; July 19.
Dalton, Daniel F., assignor to The Shoe Hardware Company, Waterbury, Conn. Clothing buckle. 1,852,506; Apr. 5.
Dalton, Daniel F., assignor to The Shoe Hardware Company, Waterbury, Conn. Separable fastener. 1,889,647; Nov. 29.
Dalton Foundries Inc., The. (See Swihart, Frank, assignor.)
Dalton, Frederick C., Portland, Oreg., assignor of two-thirds to R. F. Bicknell, Boise, Idaho. Rotary gas engine. 1,874,247; Aug. 30.
Dalton, George A., and J. R. Dunham, Highland Park, N. J. Gear. 1,852,957; Apr. 5.
Dalton, Hubert K., Stamford, Conn. Smoker's stand. 1,840,024; Jan. 5.
Dalton, Hubert K., Stamford, Conn. Tripod or similar support. 1,859,289; May 24.
Dalton, Hubert K., Stamford, Conn. Signal flag and lamp stand device. 1,871,667; Aug. 16.
Dalton, Julius T., Jenkinjones, W. Va. Lamp bracket for lids of talking machine cabinets. 1,855,942; Apr. 26.
Dalton, Mark A., Oakland, Calif. Game. 1,855,543; Apr. 26.
Dalton, Nelson W., Bath, N. Y. Watering system for live stock. 1,841,880; Jan. 19.
Dalton, Philip, Schenectady, N. Y. Calculating goniometer. 1,879,116; Sept. 27.
Dalton, Richard F., Larchmont, N. Y. Ashlar block protector. 1,846,676; Feb. 23.
Dalton, Thomas F., Flat River, Mo. Manufacture of decorative panels. 1,850,995; Mar. 29.
Daly, Francis J., Naugatuck, Conn. Auto sander. 1,861,302; May 31.
Daly, Frank A., assignor to W. W. Potter, Pawtucket, R. I. Cleaning and polishing cloth. 1,882,179; Oct. 11.
Daly, George F., Johnson City, assignor to The Tabulating Machine Company, Endicott, N. Y. Multicontact relay. 1,839,377; Jan. 5.
Daly, George F., Johnson City, assignor to The Tabulating Machine Company, Endicott, N. Y. Total taking mechanism. 1,861,955; June 7.
Daly, George F., Johnson City, and R. E. Page, Binghamton, assignors to The Tabulating Machine Company, Endicott, N. Y. Electric transfer mechanism. 1,880,422; Oct. 4.
Daly, John J., Virginville, Pa. Water gauge. 1,880,847; Oct. 4.
Daly, John J., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Heat resistant box toe. 1,847,523; Mar. 1.
Daly, John J., West Newton, assignor by mesne assignments, to Beckwith Manufacturing Company, Boston, Mass. Box toe blank and producing the same. 1,886,329; Nov. 1.
Daly, Joseph P., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Clutch construction for pressing machines. 1,850,260; Mar. 22.
Daly, Joseph P., assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,854,827; Apr. 19.
Daly Manufacturing Company, The. (See Snow, Arthur E., assignor.)
Daly, Raymond E., Chicago, Ill., assignor to American Maize-Products Company. Car unloading tipple. 1,887,120; Nov. 8.
Dalsell, Charles B., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Heat exchange device. 1,842,389; Jan. 26.
Dalzell, Clarence W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor control apparatus. 1,843,762; Feb. 2.
Dalzen, William P., Grosse Pointe Park, Mich. Rock drill. 1,885,085; Oct. 25.
Dalzen, William F., Grosse Pointe, Mich. Rock drill. 1,891,276; Dec. 20.
Damm, Arthur C., and L. H. Logue, assignors to Denver Equipment Co., Denver, Colo. Rock crusher. 1,866,625; July 12.
Damman, Fred L., Villa Park, and D. A. Harper, assignors to Brown & Caine (Chicago division) of Tung-Sol Lamp Works Inc., Chicago, Ill. Treating impregnated insulation. 1,839,668; Jan. 5.
D'Amato, Rocco, New York, N. Y. Trap. 1,892,423; Dec. 27.
Dambacher, Xavier, assignor to the Firm Windmoller & Holscher, G. m. b. H., Lengerich, Westphalia, Germany. Machine for automatically opening square bottom paper bags. 1,886,376; Nov. 8.
Damck, Rudolf, Orange, N. J. Anklet. 1,846,951; Feb. 23.
Damerell, Mark H., Worcester, Mass. Overload release. 1,858,074; May 10.
Damico, Armand, Woodside, N. Y. Signal device. 1,880,849; Oct. 4.
Damm, Joseph. (See Kunz, J., and Dammer.)
Dämmrich, Walter, Grassmere, N. Y. Egg yolk separator. 1,840,658; Jan. 12.
Dämmrich, Walter, Grassmere, N. Y. Egg opener. 1,865,619; July 5.
Damon, Bertha W., administratrix. (See Damon, George B.)
Damon, Charles V. (See Cox, Edward H., assignor.)
Damon, George B., deceased, by B. W. Damon, administratrix, Belvidere, N. J., assignor of one-third each to J. A. Buckwalter and A. L. Buckwalter, Royersford, Pa. Humidifying and lowering room temperatures. 1,846,952; Feb. 23.
Damon, John C., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Making connections for cables. 1,855,340; Apr. 26.
Damon, John C., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Connector for cables. 1,886,085; Nov. 1.
Dampney Company of America, The. (See Stubbs, Charles H., assignor.)
Damrow Brothers Company. (See Damrow, Edward C., assignor.)
Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Centrifugal friction clutch. 1,870,494; Aug. 9.
Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Centrifugal friction clutch. 1,870,495; Aug. 9.
Dan, Ellis A., Danbury, Conn. Automatic fire alarm. 1,892,503; Dec. 27.
Dana, Charles A., et al. (See Butterfield, Percy L.)
Dana, Charles A., et al., receivers. (See Wakefield, Ernest A., assignor.)
Dancer, Ben, Houston, Tex. Wall support for excavations. 1,880,316; Oct. 4.
Danciger, Joseph. (See McIntyre, W. D., and Danciger.)

Danco, Leon A., Fairfield, assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Display stand. 1,854,293; Apr. 19.

Dandridge, George F. J., Bedford, and G. A. Mower, London, England. Fastening together of plates or sheets. 1,857,530; May 10.

Dancel, Richard H., Britstown, Union of South Africa. Controlling air pressure in the tires of motor vehicles. 1,855,101; Apr. 19.

Daneke, Dietrich. (See Brackett, F. M., Williams, and Daneke.)

Danenberg, Alexander, Brooklyn, N. Y. Eyelet for clasps. 1,873,699; Aug. 23.

Danforth, Richard S., San Francisco, Calif. Cataract condensation apparatus. 1,874,849; Aug. 30.

Daniel, Clarence P., Bristol, Va. Bumper. 1,867,551; July 19.

Daniel, George W., Chicago, Ill. Gas range. 1,855,102; Apr. 19.

Daniel, John, assignor to Koehring Company, Milwaukee, Wis. Multiplane adjusting and adjustment securing means. 1,865,087; June 28.

Daniel, Robert E., and R. K. Haughton, Birmingham, Ala., and S. B. Clark, Riverton, assignors to United States Pipe and Foundry Company, Burlington, N. J. Runway for pipes. 1,890,498; Dec. 13.

Daniell, George J., assignor of one-half to G. E. Osborne, Brooklyn, N. Y. Aircraft braking device. 1,845,960; Feb. 16.

Daniells, Maurice (See Berne, Celestin, assignor.)

Daniels, Arthur W., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Cutter for suction dredgers. 1,840,025; Jan. 5.

Daniels, C. R., Inc. (See Daniels, John W., assignor.)

Daniels, Charles D., Mountain Air, N. Mex. Pliers. 1,850,664; Mar. 22.

Daniels, Evan G., Lucas, Iowa. Combined casket and burial vault. 1,883,600; Oct. 18.

Daniels, Farrington, Madison, Wis. Shaving cream tube. 1,841,012; Jan. 12.

Daniels, Fred C. T., Beaver, Pa., assignor to Bethlehem Steel Company. Apparatus and process for producing rolls. 1,848,244; Mar. 8.

Daniels, Fred H., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace. 1,876,623; Sept. 13.

Daniels, George G., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,871,500; Aug. 16.

Daniels, Gerald L., et al. (See Pratt, G. D., and Guillaume, assignors.)

Daniels, Joseph, Essen, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Tunnel kiln. 1,846,246; Feb. 23.

Daniels, Joseph, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Tunnel kiln. 1,846,247; Feb. 23.

Daniels, Joseph S., assignor to Daniels Manufacturing Company, Rhinelander, Wis. Napkin dispenser. 1,860,240; June 14.

Daniels, Joseph S., assignor to Daniels Manufacturing Company, Rhinelander, Wis. Folded paper napkin and dispenser therefor. 1,874,940; Aug. 30.

Daniels, Leon C., Pittsfield, Mass., assignor to General Electric Company. Coil winding machine. 1,865,236; June 28.

Daniels, Lloyd C. (See Jaeger, A. O., and Daniels.)

Daniels, Lloyd C. (See Jaeger, A. O., Daniels, West, and Stevenson.)

Daniels, Lloyd C., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of dibenzanthrone. 1,844,831; Feb. 9.

Daniels, Lloyd C., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of dibenzanthrone. 1,845,246; Feb. 16.

Daniels, Lloyd C., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purifying phthalic anhydride. 1,851,383; Mar. 29.

Daniels, Lloyd C., Crafton, C. J. Schwindt, Pittsburgh, and A. O. Jaeger, Mount Lebanon, Pittsburgh, assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Anthraquinone product. 1,842,390 Jan. 26.

Daniels, Lloyd C., Crafton, and C. J. Schwindt, Pittsburgh, Pa. Granulated phthalic anhydride. 1,891,754; Dec. 20.

Daniels, Lloyd C., and H. J. West, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Production of dibenzanthrone. 1,849,826; Mar. 15.

Daniels Manufacturing Company. (See Buckbee, C. E., Cochran, and Daniels, assignors.)

Daniels Manufacturing Company. (See Daniels, Joseph S., assignor.)

Daniels, Monroe H., Hewlett, and J. A. Slack, assignors to Photomaton, Inc., New York, N. Y. Photographic developer tank liquid circulating system. 1,869,094; July 26.

Daniels, Raymond, et al. (See Pratt, G. D., and Guillaume, assignors.)

Daniels, Sam, Mfg. Co. (See Daniels, Samuel, assignor.)

Daniels, Samuel, assignor to Sam Daniels Mfg. Co., Inc., Hardwick, Vt. Milk chest. 1,846,192; Feb. 23.

Daniels, Theo, Wevelinghoven, Germany. Apparatus for feeding determined batches of tablets. 1,875,423; Sept. 6.

Daniels, Theo, Wevelinghoven, Germany. Wrapping machine. 1,875,567; Sept. 6.

Danielson, Carl J. (See Havens, W., and Danielson.)

Danielson, Ernest G., assignor to Gray & Danielson Manufacturing Company, San Francisco, Calif. Variable tuning device. 1,862,819; June 14.

Daniewski, Wlodzimierz M., Kielce, Poland, assignor to Corning Glass Works, Corning, N. Y. Glass article and treating the same. 1,850,537; Mar. 22.

Danin, Philip, New York, N. Y. Machine for pressing garments. 1,874,463; Aug. 30.

Dankenbring, Lester P., Byron, Nebr. Hay buncher. 1,854,113; Apr. 12.

Dankert, Carl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Colored effect paper. 1,889,953; Dec. 6.

Danly Machine Specialties, Inc.. (See Danly, Robert C., assignor.)

Danly, Robert C., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Feeding mechanism. 1,878,820; Sept. 20.

Dann, Walter M. (See Cole, H. L., Dann, and Brown.)

Dannelhower, Gilbert L., Norristown, assignor to Woodworking Machinery Company, Philadelphia, Pa. Woodworking machine. 1,839,378; Jan. 5.

Dannequin, Charles Henri, Livry-Gargan, France. Apparatus for producing dental anæsthesia. 1,874,917; Aug. 30.

Danner, Albert C., assignor of one-half to R. J. Hocker, Indianapolis, Ind. Automatic circuit breaking switch. 1,870,896; Aug. 9.

Danner, Edward, Toledo, Ohio. Method and apparatus for manufacturing glassware. 1,891,370; Dec. 20.

Danner, Edward, Newark, Ohio. Method and apparatus for making glassware. 1,891,371; Dec. 20.

Danner, Edward, Newark, Ohio. Method of and apparatus for producing sheet glass. 1,891,372; Dec. 20.

Danner, Edward, Newark, Ohio. Glass forming method and apparatus. 1,891,373; Dec. 20.

Danner, John J. (See Born, Julius M., assignor.)

Danner, John J., St. Paul, Minn. Christmas tree stand. 1,876,276; Sept. 6.

Danner, Philip S., Point Richmond, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Converting heavy hydrocarbons. 1,869,799; Aug. 2.

D'Annunzio, Ugo V., New York, N. Y., and G. Finzi, Milan, Italy. Extracting juice from citrous fruits. 1,850,001; Mar. 15.

D'Annunzio, Ugo V., New York, N. Y., and G. Finzi, Milan, Italy. Apparatus for extracting juice from fruits. 1,871,590; Aug. 16.

Dandridge, Arthur H., Duncan, British Columbia, Canada. Direction signaling device for automobiles. 1,846,794; Feb. 23.

Dant, John E., Louisville, Ky. Vehicle wheel lock. 1,859,130; May 17.

D'Antal, Laszlo. (See Bolgár, László, assignor.)

Dante, Joseph J., Bantam, Conn., assignor to The Trumbull-Vanderpoel Electric Manufacturing Company. Safety switch. 1,857,811; May 10.

Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerant. 1,854,984; Apr. 19.

Danuff, Irving R., Bronx, N. Y. Three circuit foot switch. 1,865,237; June 28.

Danzer, Albert, deceased; The Hagerstown Bank and Trust Company, administrator, assignor to R. Danzer, Hagerstown, Md. Sterilizer cabinet. 1,850,923; Mar. 22.

Danzer, Roy. (See Danzer, Albert, assignor.)

Danziger, Harold I., New York, N. Y. Electrical condenser and making same. 1,891,080; Dec. 13.

Danziger, Harold I., and M. Kevelson, New York, N. Y., assignors to Condenser Corporation of America, Jersey City, N. J. Impregnation of electrical condensers. 1,843,541; Feb. 2.

Dap, Jean, Puteaux, France, and E. Roggatz, Essen, assignors to Arthur Lange, Cologne-Holweide, Siedlung Iddelsfeld, Germany. Change speed gear. 1,871,961; Aug. 16.

Dapratto Statuary Company. (See Mariotti, Joseph J., assignor.)

Dapron, Joseph M., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,860,407; May 31.

Darby, Adela N., San Diego, Calif. Device for treating nasal and pulmonary afflictions. 1,870,558; Aug. 9.

Darby, Samuel E., Jr. (See Kaufman, Wolff, assignor.)

Darby, Samuel E., trustee. (See Parker, Richard B., assignor.)

Darby, Wesley C., Des Moines, Iowa. Antithumb sucking device. 1,851,351; Mar. 29.

Darco Corporation. (See Davis, Raymond G., assignor.)

Darco Sales Corporation. (See Owen, W. L., and Herr, assignors.)

Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Separably jointed member. 1,844,382; Feb. 9.

Dardelet, Hugues L., Nantes, France, assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,075; Mar. 15.

Dardelet Threadlock Corporation. (See Bridges, Lewis B., assignor.)
Dardelet Threadlock Corporation. (See Dardelet, Hugues L., assignor.)
Dardelet Threadlock Corporation. (See Hoke, William E., assignor.)
Dardelet Threadlock Corporation. (See Hoke, W. E., and Thomson, assignors.)
Dardelet Threadlock Corporation. (See Mercadante, J., and Thomson, assignors.)
Dardelet Threadlock Corporation. (See Thomson, Alfred M., assignor.)
Dardelet Threadlock Corporation. (See Thomson, Robert, assignor.)
Dare, Samuel T., et al. (See Edwards, James H., assignor.)
Dare, Samuel T., New Westminster, British Columbia, Canada. Drink dispenser. Des. 87,907 ; Oct. 11.
Darling, Elton R., Decatur, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Production of pulp. 1,845,487 ; Feb. 16.
Darling, Elton R., Danville, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Producing cellulosic pulp. 1,845,488 ; Feb. 16.
Darling, Elton R., assignor to Cornstalk Products Company, Inc., Danville, Ill. Apparatus for drying fibrous materials. 1,846,474 ; Feb. 23.
Darling, Elton R., Danville, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Manufacture of cellulose from cornstalks. 1,846,511 ; Feb. 23.
Darling, Elton R., Danville, Ill., assignor to The Pacific Lumber Company, San Francisco, Calif. Heat and sound insulating material. 1,892,138 ; Dec. 27.
Darling, Frank L., Long Beach, Calif. Bottle, jar, and other similar vessel. 1,863,102 ; June 14.
Darling, Frank L., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Ball-like element and making. 1,851,663 ; Mar. 29.
Darling, Frank L., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Bottle closure applying means. 1,873,113 ; Aug. 23.
Darling, Frederick E., assignor to Eastman Kodak Company, Rochester, N. Y. Method for use in factory management. 1,857,587 ; May 10.
Darling, J. Merle, et al. (See Darling, Jay, assignor.)
Darling, Jay, Williamstown, Mass., assignor of one-third to W. A. Joyce and one-third to J. M. Darling, Detroit, Mich. Brick mason's pointing tool. 1,851,497 ; Mar. 29.
Darling, Joshua F., Woodstown, N. J., and D. H. Powers, Providence, R. I., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and product for coloring rubber. 1,846,950 ; Feb. 23.
Darling, Rand A., Buffalo, N. Y. Reed vision mirror. 1,872,905 ; Aug. 23.
Darling, William W., Riverside, Calif., and R. J. Dyderix, Thompson Falls, Mont. Signal device. 1,875,424 ; Sept. 6.
Darlington, Homer T., West Chester, Pa., assignor to M. B. Schuster, trustee, Joliet, Ill. Apparatus and process for treating hydrocarbons. 1,852,150 ; Apr. 5.
Darlington, Homer T., West Chester, Pa., assignor, by mesne assignments, to Oil Corporation of America. Method of and device for detecting temperature changes in heating or cooling tubes, coils, etc. 1,858,293 ; May 17.
Darlington, Homer T., West Chester, Pa., assignor, by mesne assignments, to Oil Corporation of America. Hydrocarbon treatment process and apparatus. 1,884,586 ; Oct. 25.
Darlington, Homer T., West Chester, Pa., assignor, by mesne assignments, to Oil Corporation of America. Production of lubricating oil. 1,884,587 ; Oct. 25.
Darlington, Homer T., West Chester, Pa., assignor, by mesne assignments, to Oil Corporation of America. Apparatus for the production of lubricating oil. 1,888,346 ; Nov. 22.
Darnell Corporation. (See Darnell, Walter R., assignor.)
Darnell, Rex C., assignor to The Willys-Overland Company, Toledo, Ohio. Spark advance control. 1,872,252 ; Aug. 16.
Darnell, Walter R., assignor to Darnell Corporation, Ltd., Long Beach, Calif. Furniture glide. 1,855,625 ; Apr. 26.
Darrach, George T. (See Cooney, F. M., and Darrach.)
Darrah, Paul H., Los Gatos, Calif. Water wheel. 1,863,784 ; June 21.
Darrah, William A., Chicago, Ill. Rectifier. 1,856,865 ; May 3.
Darrah, William A., Chicago, Ill. Fiber product and manufacture. 1,856,946 ; May 3.
Darrah, William A., Chicago, Ill. Fuel fired furnace. 1,869,670 ; Aug. 2.
Darrah, William A., Chicago, Ill. Process and equipment for forming sheets. 1,885,334 ; Nov. 1.
Darrah, William A., Chicago, Ill. Heat application and equipment therefor. 1,885,418 ; Nov. 1.
Darrin, Marc, Pittsburgh, Pa., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Composition of matter. 1,889,088 ; Nov. 29.
Darrow, Burress, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 87,147 ; June 14.
Darrow, George O. (See Beck, Gustaf, assignor.)
Darrow, William W. (See Tobin, K. J., and Darrow.)
Darrow, Zachery T., Canandaigua, N. Y. Subgrading attachment for power graders. 1,849,754 ; Mar. 15.
Darsey, Van M. (See Tanner, R. R., and Darsey.)
Darsey, Van M., Morenci, assignor to Parker Rust-Proof Company, Detroit, Mich. Coatproofing material and treating the same. 1,866,879 ; July 12.
Dart, Charles B., Grand Rapids, Mich. Dovetailing attachment. 1,860,660 ; May 31.
Dartsup, Frederick, New Orleans, La. Hoist. 1,887,548 ; Nov. 15.
Darwin, Walton P., Washington, D. C., assignor, by mesne assignments, to The Barrett Company, New York, N. Y. Method and apparatus for the manufacture of hollow articles. Re18,248 ; Dec. 19.
Darwins Limited, et al. (See Horsburgh, G. D. L., and Levick, assignors.)
Dary, James A., Hartford, Kans. Hair steamer and drier. 1,871,591 ; Aug. 16.
D'Ascanio, Corradino, assignor to Pistro Trojani, Rome, Italy. Propeller of helicopters. 1,867,733 ; July 19.
Daschner, John F., Worcester, Mass. Restaurant service system. 1,856,058 ; Apr. 26.
Dash, Ira F. (See Shalomith, Israel H., assignor.)
Daspit, Walter, Chicago, Ill. Toy machine gun. 1,863,438 ; June 14.
Dassonville, Michel, Paris, France, assignor to Societe d'Exploitation des Textiles Nouveaux, Geneva, Switzerland. Machine for washing, dyeing, or the like treatment. 1,843,596 ; Feb. 2.
Daste, Marius J., Courbevoie, France. Flexible body construction. 1,889,058 ; Nov. 29.
Dath, Charles E., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,871,362 ; Aug. 9.
D'Atri, Umberto, assignor to The United Metal Products Company, Canton, Ohio. Ornamenting metal surfaces. 1,845,016 ; Feb. 16.
Daubendiek, Armin, St. Louis, Mo. Toy. 1,868,313 ; July 19.
Dauber, Richard L., assignor to The Xylos Rubber Company, Akron, Ohio. Cracker refeeding device. 1,849,080 ; Jan. 26.
Dauble, Erik W., Detroit, Mich. Doorstop. 1,879,119 ; Sept. 27.
Daude, Henry A., Killeen, Tex. Portable garden hose vise. 1,873,439 ; Sept. 20.
Daudelin, Jean B., Fall River, Mass. Shuttle. 1,861,115 ; May 31.
Daudelin, Jean B., Fall River, Mass. Tension device. 1,875,568 ; Sept. 6.
Daudelin, Jean B., and E. E. Talbot, Fall River, Mass. Shuttle. 1,875,570 ; Sept. 6.
Daudt, Herbert W., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making di-substituted guanidines. 1,856,087 ; Nov. 1.
Daughaday, Frank P., Providence, R. I. Making shirt studs. 1,830,285 ; Jan. 5.
Daughaday, Frank P., Providence, R. I. Clasp for neckties or the like. 1,862,350 ; June 7.
Daughday, Frank P., Providence, R. I. Mounting for ornaments. 1,872,021 ; Sept. 13.
Daugherty, Charles E., Wayne, Pa. Dredging or like pump. 1,869,955 ; Aug. 2.
Daugherty, Edwin C., Warren, Ohio. Supporting bracket for flush tanks and other plumbing fixtures. 1,878,821 ; Sept. 20.
Daugherty, John F., assignor of one-half to J. W. Daugherty, San Diego, Calif. Variable pitch propeller. 1,883,340 ; Oct. 18.
Daugherty, John W. (See Daugherty, John F., assignor.)
Daugherty, Lester, Kokomo, Ind. Illuminated ornament for automobiles. 1,876,625 ; Sept. 13.
Daugherty, Paul. (See Warmoth, Henry E., assignor.)
Daugherty, Samuel L., Jr., and W. A. Sheaffer. Apparatus for effecting a partial separation of mixed gases. 1,851,163 ; Mar. 29.
Daugherty, Samuel L., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen desk stand. 1,875,425 ; Sept. 6.
Dauler, Harvey N., Pittsburgh, Pa. Cracking resins and like materials. 1,878,267 ; Sept. 20.
Daum, Herman H., Hudson, assignor, by direct and mesne assignments, to Hoover Electric Suction Eliminator, Inc., Cleveland, Ohio. Removing boiler scale and preventing the formation thereof. 1,877,389 ; Sept. 13.
Daum, Leon, assignor of one-half to Schneider & Cie., and one-half to Compagnie des Forges et Acieres de la Marine et d'Homecourt, Paris, France. Slipping coupling, more particularly for gunlaying mechanism. 1,865,356 ; June 28.
Daun, Carl L., and F. E. Keller, assignors, by mesne assignments, to Ampco Metal, Electric Motor Company, Milwaukee, Wis. Bearing structure. 1,865,088 ; June 28.
Dauphin Deposit Trust Company. (See Frantz, Grover C., assignor.)
Dauphinais, Henry C., Jamestown, N. Dak. Underwear supporting device. 1,883,341 Oct. 18.
Dauster, John, Wilkinsburg, Pa. Hydraulic clutch. 1,883,601 ; Oct. 18.
Dauteuil, Edouard F., St.-Denis, France. Distributing apparatus for conical corks. 1,850,000 ; Mar. 15.
Dauterik, Owen L., Detroit, Mich. Garage door lock. 1,880,850 ; Oct. 4.

Dautrick, Owen L., Detroit, Mich., assignor, by mesne assignments, to Overhead Door Corporation, Hartford City, Ind. Garage door. 1,843,480; Feb. 2.
D'Auvrain, Fernand, Brussels, Belgium. Rotary engine. 1,856,947: May 3.
Daux, Gaston. (See Chevillot, A., and Daux.)
Davenport, Elliott L., and G. C. Jackson, Wink, Tex., assignors to Shell Petroleum Corporation. Adjustable bottom hole flow bean. 1,860,080; May 24.
Davenport, Emma, Carson City, Mich. Chimney or flue cap. 1,846,175; Feb. 23.
Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,859,434; May 24.
Davenport, John Adrian, Butte, Mont. Grinding wheel dresser. 1,867,939; July 19.
Davenport Machine and Foundry Company. (See Scherer, Charles F., assignor.)
Davenport Machine Tool Co. (See Brinkman, E. W., and Kline, assignors.)
Davenport Machine Tool Co. (See Davenport, William S., assignor.)
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Evaporator for refrigerating systems. Re18,621; Oct. 11.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerating process and apparatus. 1,843,945; Feb. 9.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Evaporating process and apparatus. 1,853,724; Apr. 12.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Filtering apparatus for refrigerating systems. 1,859,766; May 24.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerating apparatus. 1,866,526; July 12.
Davenport, Sherman H., Watertown, N. Y. Dish holder. 1,873,297; Aug. 23.
Davenport, Thaddeus A. (See Eksergian, C. L., and Davenport.)
Davenport, Talmon A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Disk wheel. Des. 86,909; May 10.
Davenport, William S., assignor to Davenport Machine Tool Co., Rochester, N. Y. Friction clutch. 1,885,236; Nov. 1.
Davey, Clarence G., assignor to A C Spark Plug Company, Flint, Mich. Tachometer. 1,848,057; Mar. 1.
Davey, Clarence P., assignor to The Wesbar Corporation, West Bend, Wis. Portable electric light. 1,851,275; Mar. 29.
Davey, George W. (See Waite, F. H., and Davey.)
Davey, George W., Long Island, N. Y. Furnace wall. 1,843,110; Feb. 2.
Davey, Paul H., Kent, Ohio. Tree removing apparatus. 1,879,120; Sept. 27.
Davey, Peter, assignor to Vibroscope Inc., New York, N. Y. Stroboscopic apparatus and method. 1,858,985; May 17.
Davey, Walter L., Melbourne, Victoria, Australia. Water heating and cooking device for automobiles. 1,866,015; July 5.
Davey, William E., Takoma Park, Md. Wall and ceiling structure. 1,870,101; Aug. 2.
David, Aubrey D., assignor to The Universal Oil Products Company, Chicago, Ill. Cracking petroleum hydrocarbons. 1,854,139; Apr. 12.
David, Irwin W., New York, N. Y. Footwear and making the same. 1,869,410; Aug. 2.
David, Raymond C., Barron, Wis. Sewing machine attachment for making buttonholes. 1,885,086; Oct. 25.
David, Sara, West View, Pa. Securing device for clothing. 1,889,951; May 3.
David, Sara, Pittsburgh, Pa. Securing device for clothing. 1,889,954; Dec. 6.
David, Sara, Bellevue, Pa. Bobby form. 1,891,589; Dec. 20.
Davidge, Ebenezer A., London, England, assignor to Royal Typewriter Company, Inc., New York, N. Y. Condensed billing device. 1,858,729; May 17.
Davidge, Le Roy C., Hollywood, Calif. Reel construction. 1,852,301; Apr. 5.
Davidge, Le Roy C., Hollywood, Calif. Spacing strip. 1,853,553; Apr. 12.
Davidge, Le Roy C., and A. E. Reeves, Los Angeles, Calif.; said Reeves assignor to said Davidge. Film developing process and apparatus therefor. 1,843,317; Feb. 2.
Davidson, Abraham E., Rochester, N. Y. Float. 1,869,915; July 26.
Davidson, Alfred, A. J. Hallwood, F. Henesey, and A. Shepherdson, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Production and manufacture of stable leuco-indigo preparations. 1,861,382; May 31.
Davidson, Alfred, W. W. Tatum, and G. E. Watts, Blackley, Manchester, assignors to Imperial Chemical Industries, Limited, London, England. Manufacture of sulphonated amino anthraquinone. 1,873,300; Aug. 23.
Davidson, Bruce J., Kew Gardens, assignor to National Biscuit Company, New York, N. Y. 1,860,209; May 24.
Davidson, Bruce J., Brooklyn, assignor to National Biscuit Company, New York, N. Y. Display stand. 1,886,532; Nov. 8.
Davidson, Cecil, Alliance, Alberta, Canada. Trip pan for wolf traps. 1,844,746; Feb. 9.
Davidson, Clifton B., Decatur, Ill. Switch stand. 1,877,276; Sept. 13.
Davidson, Clinton, San Francisco, Calif. Carburetor for internal combustion engines. 1,888,658; Nov. 22.
Davidson, Earl J., Detroit, Mich. Adjustable golf club. 1,879,117; Sept. 27.
Davidson, Earl W., Terre Hill, Pa. Radioreceiver. 1,861,739; June 7.
Davidson, Edward C., Detroit, Mich. Collapsible tube. 1,872,687; Aug. 23.
Davidson, Elias E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Channeled strip material and making the same. 1,842,586; Jan. 26.
Davidson, Elias E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Channeled strip material. 1,842,587; Jan. 26.
Davidson, Elias E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Packing strip for automobiles. 1,855,792; Apr. 26.
Davidson Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Chute structure. 1,886,793; Nov. 8.
Davidson, George A., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Gas testing device. 1,849,247; Feb. 16.
Davidson, Glenn. (See Banks, H. P., Davidson, Laucks, and Rippey.)
Davidson, Glenn. (See Laucks, I. F., and Davidson.)
Davidson, Glenn. (See Laucks, J. F., and Davidson.)
Davidson, Glenn, and I. F. Laucks, assignors to I. F. Laucks, Inc., Seattle, Wash. Making a water resistant vegetable protein containing adhesive and to the product thereof. 1,855,626; Apr. 26.
Davidson, Henry W., Lancaster, Ohio. Street light globe. Des. 87,103; June 7.
Davidson, James E. (See Davidson, Lawrence, J. E., and W. H.)
Davidson, John C., Brooklyn, N. Y. Electrical condenser. 1,891,345; Dec. 20.
Davidson, John M., Duluth, Minn. Wire securing clip. 1,848,515; Mar. 8.
Davidson, Joseph, assignor to Davidson-Kennedy Company, Atlanta, Ga. Cooker. 1,882,781; Oct. 18.
Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Motor fuel. 1,879,118; Sept. 27.
Davidson, Joseph G., Yonkers, N. Y., and H. F. Robertson, Coraopolis, Pa., assignors to Carbide & Carbon Chemicals Corporation. Calcium carbide cake and making the same. 1,867,965; July 19.
Davidson-Kennedy Company. (See Davidson, Joseph, assignor.)
Davidson, Lawrence, J. E., and W. H., Willoughby, Ohio. Cap or closure for receptacles. 1,882,180; Oct. 11.
Davidson, Louis, New York, N. Y. Long span building and arch construction. 1,891,346; Dec. 20.
Davidson, M. T., Company. (See Stelzer, Frank E., assignor.)
Davidson Manufacturing Company. (See Davidson, William W., assignor.)
Davidson, Verna E., Detroit, Mich. Door construction. 1,845,743; Feb. 16.
Davidson, Walter C., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,853,511; Apr. 12.
Davidson, Walter C., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,853,512; Apr. 12.
Davidson, Walter C., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,878,384; Sept. 20.
Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Crown block. 1,841,792; Jan. 19.
Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Sheave assembly. 1,865,842; July 5.
Davidson, William D., and E. W. Goeser, assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Sheave assembly for crown blocks. 1,862,885; June 14.
Davidson, William H. (See Davidson, Lawrence, J. E., and W. H.)
Davidson, William J., et al., trustees. (See Prince, Robert K., assignor.)
Davidson, William W., Evanston, assignor to Davidson Manufacturing Company, Chicago, Ill. Folding machine. 1,843,763; Feb. 2.
Davie, Alexander, Bridgeport, Conn. Draftsman's vernier protractor. 1,864,341; June 21.
Davies, Alfred H., New York, N. Y., deceased: Edith V. Davies, executrix. Composition of matter for use in metallurgical operations. 1,848,323; Mar. 8.
Davies, Caleb, jr., Poland, Ohio. Fuel utilization. 1,869,741; Jan. 5.
Davies, Charles, New York, N. Y. Filter. 1,890,499; Dec. 13.
Davies, Charles H., Philadelphia, Pa. Solid ankle foot base. 1,884,588; Oct. 25.
Davies, Charles H., Philadelphia, Pa. Making artificial limbs. 1,884,589; Oct. 25.
Davies, Charles H., Philadelphia, Pa. Mold. 1,884,590; Oct. 25.

Davies, David, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Hairpin hook. 1,847,819; Mar. 1.

Davies, David, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Lifting hook. 1,865,357; June 28.

Davies, David P., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,849,284; Mar. 15.

Davies, David P., assignor to J. I. Case Company, Racine, Wis. Power transmission for agricultural machines. 1,871,806; Aug. 9.

Davies, David R., Didsbury, near Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. Electrical switchgear. 1,849,224; Mar. 15.

Davies, David R., Didsbury, England, assignor to General Electric Company. Electrical bus and switch station. 1,833,851; Oct. 25.

Davies, Edith V., executrix. (See Davies, Alfred H.)

Davies, Harold A., Monterey, Calif. Saw handle. 1,849,365; Mar. 15.

Davies, James D., Martins Ferry, Ohio. Building brick. 1,870,102; Aug. 2.

Davies, John, Waterloo, Liverpool, England. Process of coating metallic surfaces for prevention of corrosion. 1,878,761; Sept. 20.

Davies, John S. H. (See Bunbury, H. M., Davies, and Naunton.)

Davies, Leonard J., Rugby, England, assignor to General Electric Company. Thermionic valve. 1,859,075; May 17.

Davies, Willard J., and H. C. S. Schnack, Grandville, Mich. Skate. 1,886,650; Nov. 8.

Davies, William R. (See Thomas, H. S., and Davies.)

Davis, Albert G., Elizabeth, N. J., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Method and apparatus for treating hydrocarbons. 1,880,851; Oct. 4.

Davis, Albert M. (See Davis, Michael, assignor.)

Davis, Alex Brooking, Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Acetylated carbohydrate gum and making it. 1,861,209; May 31.

Davis, Alfred J., Minneapolis, Minn. Cream salvaging and utensil cleansing apparatus. 1,851,002; Mar. 29.

Davis, Anchover E., Philadelphia, Pa. Locking mechanism for radiators. 1,880,341; Oct. 4.

Davis, Archibald H., jr., assignor to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Apparatus and method for removing scale from liquid evaporation surfaces. 1,840,834; Jan. 12.

Davis, Archibald H., jr., assignor to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Air heater. 1,840,835; Jan. 12.

Davis, Archibald H., jr., assignor to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Heat exchanging apparatus. 1,840,836; Jan. 12.

Davis, Archibald H., jr., Pittsburgh, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Automatic cut-off for gas burners. 1,858,986; May 17.

Davis, Arthur B., Springfield, Ohio. Roll for printing presses and coating the surfaces of the same. 1,873,873; Aug. 23.

Davis, Arthur E., East Orange, N. J. Delivery and collecting mechanism. 1,859,865; May 24.

Davis, Augustine, jr. (See Haupt, Walter H., assignor.)

Davis, Augustine, jr. (See Shield, Paul S., assignor.)

Davis, Augustine, jr., Cincinnati, Ohio. Bucket-box for vehicles. 1,844,868; Feb. 9.

Davis Boring Tool Company. (See Kilzer, James E., assignor.)

Davis Brake Beam Company. (See Haskell, Broderick, assignor.)

Davis, Burl A. (See Cody, C. S., Davis, and Mosshart.)

Davis, Calvin R. (See Brennan, T. 2d, and Davis.)

Davis, Calvin R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Chain lifter for implements. 1,837,346; Nov. 8.

Davis, Calvin V., Mount Vernon, assignor to Ambursen Construction Company, Inc., New York, N. Y. Dam. 1,846,838; Feb. 23.

Davis, Calvin V., Mount Vernon, assignor to Ambursen Construction Company, Inc., New York, N. Y. Dam. 1,846,839; Feb. 23.

Davis, Calvin V., Mount Vernon, assignor to Ambursen Construction Company, Inc., New York, N. Y. Dam. 1,853,668; Apr. 12.

Davis, Carl F., Chicago, Ill. Garage. 1,849,348; Mar. 15.

Davis, Charles C., Philadelphia, Pa. Clamp for use in welding. 1,879,122; Sept. 27.

Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,854,114; Apr. 12.

Davis, Charles H., Dayton, Ohio. Necktie. 1,890,722; Dec. 13.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Circuit breaker lever. 1,851,568; Mar. 29.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,863,299; June 14.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,868,000; July 19.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition timer. 1,873,114; Aug. 23.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,873,188; Aug. 23.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Condenser. 1,873,298; Aug. 23.

Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Clamping device. 1,880,375; Oct. 4.

Davis, Charles H., jr., and A. E. Riggs, assignors to Delco-Remy Corporation, Anderson, Ind. Circuit breaker. 1,851,567; Mar. 29.

Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,848,224; Mar. 8.

Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,874,171; Aug. 30.

Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,874,172; Aug. 30.

Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,883,593; Oct. 25.

Davis, Chester L., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Signaling system. 1,883,492; Oct. 25.

Davis, Chester L., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Electric discharge tube. 1,884,591; Oct. 25.

Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,889,852; Dec. 6.

Davis, Clara J., executrix. (See Davis, Thomas J.)

Davis, Clark W., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst. 1,850,310; Mar. 22.

Davis, Clarke F., Westfield, assignor to Structural Gypsum Corporation, Linden, N. J. Gypsum lumber. 1,856,396; Apr. 26.

Davis, Clarke F., Westfield, assignor to Structural Gypsum Corporation, Linden, N. J. Slab and building construction. 1,867,015; July 19.

Davis, Clarke F., Westfield, and E. R. Saunders, Cranford, assignors to Structural Gypsum Corporation, Linden, N. J. Slab ceiling construction and means for hanging the slabs. 1,863,565; June 31.

Davis, Clay C., assignor to Whatcom County Dairymen's Association, Bellingham, Wash. Milk products. 1,845,961; Feb. 16.

Davis, Cortland W., Oak Park, assignor to The Mantle Lamp Company of America, Chicago, Ill. Mantle head. 1,883,602; Oct. 18.

Davis, Daniel S., Wheeling, W. Va. Portable repair stand. 1,879,123; Sept. 27.

Davis, Daniel W., Beaumont, Tex. Pocket cigarette case. 1,853,760; Apr. 12.

Davis, Dean W., Pendleton, Ind. Ozone generator. 1,864,174; June 21.

Davis, Dean W., assignor, by mesne assignments, to T. M. Hardy, Pendleton, and G. A. Schnull, Indianapolis, Ind. Electrolyte control. 1,861,780; June 7.

Davis, De Lancey W., Sayre, and J. P. Laux, Bethlehem, Pa. Lubricating system. 1,891,972; Dec. 27.

Davis, Donald C., Buffalo, N. Y. Fruit vending apparatus. 1,846,316; Feb. 23.

Davis, Donald C., Depew, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,884,594; Oct. 25.

Davis, Donald P., Houston, assignor of four and one-half per cent to B. H. Johnson, four and one-half per cent to H. M. Duncan, six and one-half per cent to J. H. Dreher, Harris County, Tex., two and one-half per cent to L. J. Rasbaum, Kansas City, Mo., and one and one-half per cent to H. Gustine, and two and one-half per cent to W. D. C. Lucy, Harris County, Tex. Lock. 1,836,396; June 14.

Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Trailer reach. 1,840,435; Jan. 12.

Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Automatic fifth wheel for semitrailers. 1,862,112; June 7.

Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Auxillary support for semitrailers. 1,868,971; July 26.

Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Automatic air line connection for semitrailers. 1,874,918; Aug. 30.

Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Tubular drawbar for trailers. 1,880,075; Sept. 27.

Davis, Durrell H., assignor to Highway Trailer Company, Edgerton, Wis. Jack for semitrailer. 1,890,972; Dec. 13.

Davis, Durrel H., and E. F. Hathorn, assignors to Highway Trailer Company, Edgerton, Wis. Articulated semitrailer construction. 1,880,123; Sept. 27.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Hairpin. 1,848,771; Mar. 8.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Commodity cabinet. 1,873,557; Aug. 23.

Davis, Edward D., and G. A. Carlson, assignors to The Boye Needle Company, Chicago, Ill. Display support. 1,848,770; Mar. 8.

Davis, Edward W., Minneapolis, Minn., assignor to Davis Steel Process Corporation. Producing iron or steel directly from the ore and controlling the sulphur content thereof. 1,863,622; June 21.

Davis, Edwin W., assignor to Wood Conversion Company, Cloquet, Minn. Insulated wall construction. 1,873,838; Aug. 9.

Davis, Elmer W., Newton, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Record guide. 1,863,276; June 21.

Davis, Elmer W., Newton, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Record guide. 1,876,208; Sept. 6.

Davis, Elmer W., Newton Centre, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Card index. 1,876,207; Sept. 6.

Davis, Elton A., Padroni, Colo. Pump. 1,864,412; June 21.

Davis Emergency Equipment Company. (See Davis, Frank R., assignor.)

Davis Emergency Equipment Company. (See Downs, Charles R., assignor.)

Davis Engineering Corporation. (See Davis, Howard C., assignor.)

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Flexible joint for pressing machines. 1,842,073; Jan. 19.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,843,209; Feb. 2.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Turbuleter buck. 1,849,033; Mar. 8.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,849,913; Mar. 15.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating follow-up mechanism for pressing machines. 1,852,507; Apr. 5.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Shirt pressing machine. 1,852,508; Apr. 5.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Controlling mechanism for pressing machines. 1,854,888; Apr. 19.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,860,236; May 24.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Unheated lower buck. 1,861,493; June 7.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Tandem controlling mechanism for pressing machines. 1,864,805; June 28.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,865,238; June 28.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine (pressure operated buck). 1,870,619; Aug. 9.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Booster actuating mechanism for pressing machines. 1,873,299; Aug. 23.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Automatic pressure locking means. 1,874,697; Aug. 30.

Davis, Ernest, Syracuse, N. Y., assignor to The Prosperity Company Inc. Supporting the overhanging ends of the bucks of pressing machines. 1,875,993; Sept. 6.

Davis, Ernest, assignor to The Prosperity Company, Syracuse, N. Y. Air circulating means for pressing machines. 1,876,277; Sept. 6.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine element construction for garment and laundry pressing machines. 1,876,626; Sept. 13.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine. 1,877,453; Sept. 13.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. High pressure and low pressure pressing machine. 1,877,752; Sept. 13.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,881,174; Oct. 4.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring pad construction. 1,882,001; Oct. 11.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressure equalizing means for multiple buck pressing machines. 1,882,703; Oct. 18.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Equalizing mechanism for pressing machines. 1,883,604; Oct. 18.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Follow-up actuating mechanism for pressing machines. 1,885,235; Nov. 1.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Combined foot and power operated pressing machine. 1,887,953; Nov. 15.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine with storage tanks. 1,888,310; Nov. 22.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Automatic pressure control mechanism for fluid motors. 1,890,673; Dec. 13.

Davis, Ernest F., assignor to Warner Gear Company, Muncie, Ind. Making splined gears. Re18,661; Nov. 22.

Davis, Ernest F., assignor to Warner Gear Company, Muncie, Ind. Cyaniding furnace. 1,848,058; Mar. 1.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. Re18,459; May 10.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Coupling. 1,847,736; Mar. 1.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Decarbonizing apparatus. 1,858,592; May 17.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Grease dispensing apparatus. 1,859,290; May 24.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,880,852; Oct. 4.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,880,853; Oct. 4.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system and apparatus. 1,880,854; Oct. 4.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,880,855; Oct. 4.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,880,856; Oct. 4.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricant dispensing device. 1,880,857; Oct. 4.

Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,882,651; Oct. 11.

Davis, Ervy I. (See Pearson, C. E., and Davis.)

Davis, Floyd E., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Spring suspension for six wheel vehicles. 1,842,074; Jan. 19.

Davis, Floyd E., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Brake torque transmitting mechanism. 1,842,075; Jan. 19.

Davis, Floyd E., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Driving mechanism for motor vehicles. 1,856,748; May 3.

Davis, Francis B., jr., Christiana Hundred, assignor to Du Pont Viscoloid Company, Wilmington, Del. Edge-sealed assembly. 1,845,133; Feb. 16.

Davis, Francis H. and F. F., Monterey, Calif. Multiple pipe unit adaptable to the drilling and pumping arts. 1,876,627; Sept. 13.

Davis, Francis W., Waltham, Mass. Servo-motor. 1,846,089; Feb. 23.

Davis, Francis W., Waltham, Mass. Auxiliary power steering gear. 1,874,248; Aug. 30.

Davis, Frank. (See Spencer, H., and Davis.)

Davis, Frank F. (See Davis, F. H. and F. F.)

Davis, Frank K. Washington, D. C., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting, bookkeeping and card-punching machine. 1,864,714; June 28.

Davis, Frank L., jr., Kenilworth, N. J., assignor to The Watson-Stillman Co., New York, N. Y. Variable throw eccentric mechanism. 1,892,504; Dec. 27.

Davis, Frank M., Milwaukee, Wis. Vertical continuous drilling machine. 1,877,277; Sept. 13.

Davis, Frank M., Milwaukee, Wis. Beet topper and harvester. 1,877,278; Sept. 13.

Davis, Frank M., Milwaukee, Wis. Vertical continuous milling machine. 1,877,560; Sept. 13.

Davis, Frank R., Scarsdale, assignor to Davis Emergency Equipment Company, Incorporated, New York, N. Y. Safety belt. 1,882,381; Oct. 11.

Davis, Frank T., Habana, Cuba. Gravity system for measuring the contents of tanks. 1,863,435; June 14.

Davis, Frank W., jr., and R. T. Stutts, New Bedford, Mass. Bale band tie or buckle. 1,874,464; Aug. 30.

Davis & Furber Machine Company. (See Ambye, Anthon, assignor.)

Davis & Furber Machine Company. (See Owen, Henry A., assignor.)

Davis & Furber Machine Company. (See Rockwell, S. F., and Owen, assignors.)

Davis, G. M., Regulator Company. (See Davis, George C., assignor.)

Davis, Garland H. B., Baton Rouge, La., assignor to Standard-I. G. Company. Preparing catalytic materials. 1,888,978; Nov. 29.

Davis, George C., assignor to G. M. Davis Regulator Company, Chicago, Ill. Valve housing. 1,844,207; Feb. 9.

Davis, George F., Waltham, Mass. Sized fibrous product and method of and apparatus for producing the same. 1,889,642; Nov. 29.

Davis, George F., Waltham, Mass. Fibrous sheet material, composition therefor, and process of making. 1,889,643; Nov. 29.

Davis, George W., assignor of one-half to Norman E. Bensinger, Chicago, Ill. Pipe, cigar, or cigarette holder. 1,836,377 ; Nov. 8.

Davis, Harold A., Chicago, Ill., assignor to General Chemical Company, New York, N. Y. Conveyor operated screening device. 1,844,383 ; Feb. 9.

Davis, Harold G., Denver, Colo. Hose reel and protector. 1,866,251 ; July 5.

Davis, Harold S., Belmont, Mass., assignor, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Preparation of alcohols from olefine-bearing gases. 1,844,208 ; Feb. 9.

Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Generating tertiary amyl alcohol. 1,844,209 ; Feb. 9.

Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Generating isopropyl alcohol from hydrocarbons containing olefines. 1,844,210 ; Feb. 9.

Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Generating tertiary alcohols. 1,844,211 ; Feb. 9.

Davis, Harold S., Belmont, Mass., assignor, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Tertiary derivative of hydrocarbons and preparation thereof. 1,879,660 ; Sept. 27.

Davis, Harry G., assignor, by mesne assignments, to Purity Fibre Products Corp., Philadelphia, Pa. Method and apparatus for forming articles. 1,850,858 ; Oct. 4.

Davis, Harry S., San Antonio, Tex. Condiment shaker. 1,889,593 ; Nov. 29.

Davis, Henry H. (See Soben, Adolph F., assignor.)

Davis, Herbert A., Los Angeles, assignor, by mesne assignments, to J. C. Kernchen, Chicago, Ill. Automatic starting means for internal combustion engines. 1,880,259 ; Oct. 4.

Davis, Herbert C., Detroit, Mich., assignor to The McBee Binder Company, Athens, Ohio. Distribution and analysis accounting form. 1,873,997 ; Aug. 30.

Davis, Howard L., Wilkinsburg, Pa., assignor to The B. F. Goodrich Company, New York, N. Y. Sewing machine. 1,850,708 ; Mar. 22.

Davis, Irwin C., and L. D. Harnett, Columbus, Ohio, assignors, by mesne assignments, to Buckeye Blower Company. Unit heating and ventilating apparatus. Re9,335 ; Jan. 19.

Davis, Hollie M., Morris, Minn. Averaging appliance. 1,844,564 ; Feb. 9.

Davis, Jarvis C., Elizabeth, N. J., assignor to Davis Engineering Corporation. Expansion joint. 1,873,825 ; Aug. 23.

Davis, Irvin W., South Milwaukee, Wis. Sand blasting machine. 1,875,994 ; Sept. 6.

Davis, Irvin W., South Milwaukee, Wis. Limb rest stand. 1,891,755 ; Dec. 20.

Davis, Irving J., Syracuse, N. Y. License plate holder. 1,864,641 ; June 28.

Davis, J. B. (See Agnew, William W., assignor.)

Davis, J. W., Cumpas. (See Owen, Orlando K., assignor.)

Davis, James O., assignor to Minneapolis-Honeywell Regulator Company, Wabash, Ind. Safety control for burner motors. 1,875,569 ; Sept. 6.

Davis, James O., assignor to Minneapolis-Honeywell Regulator Company, Wabash, Ind. Liquid level control. 1,876,040 ; Sept. 6.

Davis, James O., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flyback relay drive. 1,876,041 ; Sept. 6.

Davis, Jasper N., Denver, Colo. Machine for casting storage battery plates. 1,841,881 ; Jan. 19.

Davis, Jesse H., Baltimore, Md., assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning method and apparatus for passenger cars. 1,843,210 ; Feb. 2.

Davis, Jesse H., Baltimore, Md., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air conditioning method and apparatus for passenger cars. 1,887,582 ; Nov. 15.

Davis, Jim, Joplin, Mo. Page signal for typewriters. 1,841,588 ; Jan. 19.

Davis, Joseph S. (See Pulkinghorn, William B., assignor.)

Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,855,667 ; Apr. 26.

Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Piston meter. 1,870,897 ; Aug. 9.

Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,872,418 ; Aug. 16.

Davis, John F. A., Wenham, Mass. Buffing wheel. 1,870,239 ; Aug. 9.

Davis, Joseph S. (See Pulkinghorn, William R., assignor.)

Davis, Kenneth, Pittsburgh, assignor to Penn Machine Company, Johnstown, Pa. Flexible shaft coupling. 1,843,211 ; Feb. 2.

Davis, Leo S., Montesano, Wash. Valve re-seating tool. 1,841,938 ; Jan. 19.

Davis, Lewis H., assignor to Delco Products Corporation, Dayton, Ohio. Universal joint. 1,883,882 ; Oct. 25.

Davis, Lewis J., Brooklyn, N. Y. Brake rod. 1,840,187 ; Jan. 5.

Davis Lewis J., assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Swinging link arrangement for railway trucks. 1,886,533 ; Nov. 8.

Davis, Lewis N., Santa Monica, Calif. Adjustable bed lamp shade. 1,862,664 ; June 14.

Davis, Lloyd L., assignor to Continental Oil Company, Ponca City, Okla. Process and apparatus for dehydrating oils. 1,869,008 ; July 26.

Davis, Lorenzo C., College Park, Ga. Corn and cotton stalk or stubble chopper. 1,840,886 ; Jan. 12.

Davis, Louis, jr., assignor of one-eighth to D. Hulett and A. J. Stuckey, Galveston, Tex. Machine-gun. 1,869,738 ; Aug. 2.

Davis, Louis H., Urbana, Ill. Dough mixing machine 1,857,361 ; May 10.

Davis, Mansell A., Los Angeles, Calif. Camping cot. 1,856,624 ; May 3.

Davis, Mansell A., Westchester, and J. Kunst, New York, N. Y. ; said Kunst assignor to said Davis. Fruit juice extracting implement. 1,861,626 ; May 31.

Davis, Maurice E., assignor to The Leo Meyer Company, Akron, Ohio. Cutter. 1,874,173 ; Aug. 30.

Davis, Merrill, Detroit, Mich. Mechanical refrigerator. 1,877,900 ; Sept. 13.

Davis, Merrill, Detroit, Mich. Refrigerating machine. 1,893,457 ; Dec. 13.

Davis-Miller Engineering Company. (See Miller, Frank L., assignor.)

Davis, Neville R., Ashton-on-Mersey, England, assignor to General Electric Company. Furnace. 1,855,907 ; Apr. 26.

Davis, Neville R., Ashton-on-Mersey, and G. A. Wood, Sheffield, England, assignors to Westinghouse Electric and Manufacturing Company. Induction-furnace lining. 1,871,159 ; Aug. 9.

Davis, Norris K., Mt. Mason, Alfred E., assignor.)

Davis, Oscar O., and H. E. Monroe, assignors to Standard Road Maintenance Company, Los Angeles, Calif. Road planing machine. 1,884,992 ; Oct. 25.

Davis, Paul W., and J. M. Booth, Kansas City, Mo. Truss. 1,870,356 ; Aug. 9.

Davis, Philip L., assignor to Keystone Transportation Company, Inc., New York, N. Y. Automobile radiator cap or article of similar nature. Des. 86,081 ; Jan. 26.

Davis, R. B., Company. (See Hirsch, L., and Harris, assignors.)

Davis, Ralph Bernard, Okmulgee, Okla. Mattress. 1,880,860 ; Oct. 4.

Davis, Raymond G., assignor to Darco Corporation, Wilmington Del. Revivification of spent carbon. 1,873,998 ; Aug. 30.

Davis, Raymond G., assignor to Darco Corporation, Wilmington, Del. Revivification of spent activated carbons. 1,875,223 ; Aug. 30.

Davis, Richard M., West Pittston, Pa. Renewable fuse plug. 1,860,237 ; May 24.

Davis, Robert B. (See Dugan, Thomas, assignor.)

Davis, Robert B., Wichita, Kans. Shaving toilet article. 1,839,742 ; Jan. 5.

Davis, Robert H., London, England. Purifying canister for breathing apparatus. 1,889,015 ; Nov. 29.

Davis, Robert H., London, England. Diving apparatus. 1,890,570 ; Dec. 13.

Davis, Robert L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage regulator for electric furnaces. 1,839,869 ; Jan. 5.

Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coupling transformer. 1,844,301 ; Feb. 9.

Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,849,792 ; Mar. 15.

Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,849,865 ; Mar. 15.

Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control means for transmitting systems. 1,870,795 ; Aug. 9.

Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmitting circuit. 1,877,561 ; Sept. 13.

Davis, Robert L., Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company. Rectifier system. 1,872,253 ; Aug. 16.

Davis, Robert W., Ozone Park, N. Y. Cantilever spring. 1,844,068 ; Feb. 9.

Davis, Robert W., Ozone Park, N. Y. Spring. 1,880,861 ; Oct. 4.

Davis, Robert W., Baltimore, Md. Power transmitting and distributing mechanism. 1,855,385 ; Apr. 26.

Davis, Roy Chandler, Gloucester, Mass. Tire pressure relief valve. 1,869,051 ; July 26.

Davis, Roy P. M., Mount Union, Pa. Brickmaking machine. 1,876,864 ; Sept. 13.

Davis Standard Bread Company. (See Ward, G. E., and Palmer, assignors.)

Davis Steel Process Corporation. (See Davis, Edward W., assignor.)

Davis, Stephen J., assignor of one-half to R. C. Hallock, Willimantic, Conn. Ice cream cone carrier. 1,884,970; Oct. 25.

Davis, Thomas A. (See Watson, Alec V., assignor.)

Davis, Thomas J., by C. J. Davis, executrix, Duquesne, Pa. Screen. 1,858,917; May 17.

Davis, Trayharn, Lomita, assignor of one-half to Julius H. Becker, San Francisco, Calif. Liquid fuel burner. 1,885,688; Nov. 1.

Davis, Verner F., West Orange, assignor to Atlas Valve Company, Newark, N. J. Steam flow regulation. 1,889,800; Dec. 6.

Davis, Wilfrid J., Chelmsford, England, assignor to Radio Corporation of America. Electric condenser. 1,851,569; Mar. 29.

Davis, William C. (See Rossiter, E. C., and Davis.)

Davis, William C., London, England. Safety glass. 1,864,983; June 28.

Davis, William E., assignor to himself, A. Grego, and A. Mangogna, Glendale, N. Y. Device for sorting laundry. 1,844,544; Feb. 9.

Davis, William H. H. (See Peterson, Gust W., assignor.)

Davis, William H. H., San Francisco, Calif. Hair drier. 1,853,606; Apr. 12.

Davis, William L. (See Allman, H. C., and Davis.)

Davis, William N., Oakland, and W. H. Hampton, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Making motor fuel. 1,869,885; Aug. 2.

Davis, William R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator. 1,871,307; Aug. 9.

Davis, Winthrop S., Pueblo, Colo. Planting and cultivating. 1,878,819; Sept. 20.

Davison, Alexander, Valley Stream, assignor of three-tenths to Inventions Exploitation Corporation, New York, N. Y. Weed puller. 1,857,500; May 10.

Davison, Clarence M., Baltimore, Md., assignor, by mesne assignments, to Railway-Highway Devices Corporation, Chester, Pa. Railroad crossing guard. 1,848,516; Mar. 8.

Davison, Clarence M., Baltimore, Md., assignor, by mesne assignments, to Railway-Highway Devices Corporation, Chester, Pa. Railway crossing guard. 1,848,517; Mar. 8.

Davison, Dorsett A. and G. E., assignors to The Davison Engineering Corporation, Richmond, Va. Internal combustion engine. 1,859,199; May 17.

Davison Engineering Corporation, The. (See Davison, Dorsett A. and G. E., assignors.)

Davison, George E. (See Davison, Dorsett A., and G. E.)

Davisson, Isaiah, St. Louis, Mo. Fur scarf hanger. 1,887,710; Nov. 15.

Davison, James H., assignor to Wilson-Jones Company, Chicago, Ill. Chain post binder. 1,864,982; June 28.

Daviss, Cedric A. V. (See Fuller, G. P., and Daviss.)

Davisson, Delos W., and F. G. Wetke, assignors to Shell Development Company, San Francisco, Calif. Lubricator. 1,873,189; Aug. 23.

Davitt, Michael A., Hempstead, N. Y. Sewing cabinet. Des. 87,625; Aug. 23.

Davol, Harry A., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Shuttle. 1,859,122; Sept. 27.

Davy, Arthur E., assignor to Hamilton-Wade Company, Brockton, Mass. Finishing welt and making the same. 1,870,211; Sept. 27.

Davy, Christopher H., Blackheath, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,855,003; Oct. 18.

Davy, Richard W., New York, N. Y. Liquid feeding device. 1,874,249; Aug. 30.

Dawans, Adrien, Brussels, Belgium. Device for roasting and agglomerating ores. 1,841,013; Jan. 12.

Dawber, Frank. (See Grundy, A., and Dawber.)

Dawe, Charles B., Berkeley, Calif. Propeller. 1,843,481; Feb. 2.

Dawe, Charles C., Denver, Colo. Animal feed. 1,867,063; July 12.

Dawe, Joseph, Hyde Park, London, England. Tractor wheel. 1,876,628; Sept. 13.

Dawes, Robert E., Bozeman, Mont. Closure lock. 1,862,237; June 7.

Dawes, Robert T., Hudson, Mass. Footwear. 1,863,592; June 21.

Dawes, Robert T., Hudson, Mass. Garment fastener. 1,892,610; Dec. 27.

Dawes, Robert T., Hudson, Mass. Guy rope. 1,892,611; Dec. 27.

Dawicki, Joseph T., jr., Jersey City, N. J. Window fastener. 1,857,943; May 10.

Dawicki, Joseph T., jr., Jersey City, N. J. Locking device for window screens. 1,858,987; May 17.

Dawkins, Don G., Los Angeles, Calif. Rotary drill pressure gauge protector. 1,849,137; Mar. 15.

Dawn Mfg. Corp. (See Decker, B. H., and Andersen, assignors.)

Dawson, Carl L., Oklahoma City, Okla. Air cooling and heating device. 1,848,996; Mar. 8.

Dawson, Charles A., Fargo, N. Dak. Auto rack. 1,853,261; Apr. 12.

Dawson, Edward S., jr., Schenectady, N. Y., assignor to General Electric Company. Electrical coil. 1,874,723; Aug. 30.

Dawson, Edward S., jr., Schenectady, N. Y., assignor to General Electric Company. Making resinous compositions. 1,888,849; Nov. 22.

Dawson, Edwin S. (See Randolph, A., and Dawson.)

Dawson, Elma N. (See Dawson, James C., assignor.)

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Card holder. 1,843,111; Feb. 2.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Label holder for binders. 1,843,542; Feb. 2.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Index card carrier. 1,850,279; Mar. 22.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Compressor plate for cabinet drawers. 1,852,767; Apr. 5.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Card holder. 1,852,738; Apr. 5.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Visible record cabinet. 1,867,907; July 19.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Card tray. 1,880,863; Oct. 4.

Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Card holding tray. 1,882,782; Oct. 18.

Dawson, George H., Boston, assignor to Service Bureau, Inc., Cambridge, Mass. Transfer binder. 1,871,668; Aug. 16.

Dawson, George H., Boston, Mass., assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Linoleum topped filing cabinet. 1,885,805; Nov. 1.

Dawson, George L. (See Carroll, T., and Dawson.)

Dawson, Haller H. (See Freese, I. H., and Dawson.)

Dawson, James B. (See Willat, A. F., and Dawson.)

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder. 1,841,793; Jan. 19.

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Method and apparatus for manufacturing loose leaf binders. 1,842,249; Jan. 19.

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf post binder. 1,847,384; Mar. 1.

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder. 1,859,237; May 17.

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder. 1,868,793; July 26.

Dawson, James C., assignor to Elma N. Dawson, Webster Groves, Mo. Loose leaf binder. 1,874,561; Aug. 30.

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf post binder. 1,874,032; Aug. 30.

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Assembling device. 1,874,033; Aug. 30.

Dawson, James F., Galveston, Tex., assignor to Triple "XXX" Company. Carbonating device. 1,889,886; Dec. 6.

Dawson, James W. and F. A. Garrigan, assignors to National Sewing Machine Company, Belvidere, Ill. Electrically lighted sewing machine. 1,864,934; June 28.

Dawson, John W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photo-sensitive device. 1,877,279; Sept. 13.

Dawson, Leo H., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Method and apparatus for determining the direction of the electric axes of crystal quartz. 1,866,454; July 5.

Dawson, L. J., et al. (See Lofgren, E. G. C., and Anderson, assignors.)

Dawson, Lula P., executrix. (See Freese, I. H., and Dawson.)

Dawson Manufacturing Company. (See Clayburgh, Harry C., assignor.)

Dawson, Oliver H. (See Meier, H. H., and Dawson.)

Dawson, Ray E., San Bernardino, Calif. Valve keeper retainer. 1,840,704; Jan. 12.

Dawson, Samuel H. W., assignor to Marshall, Sons and Company Limited, Gainsborough, England. Tractor. 1,848,938; Mar. 8.

Dawson, Thomas R. (See Porritt, B. D., and Dawson.)

Dax, Peter J., Montreal, Quebec, assignor to Canada Malting Company, Limited, Montreal, Canada. Malting rice. 1,865,680; July 5.

Day, A. F., Construction Company. (See Day, Andrew F., assignor.)

Day, Albert, Chapel Allerton, Leeds, and W. H. Naylor, Adel, Leeds, England. Machine for making and filling packets. 1,868,048; July 19.

Day, Albert V. T., New Rochelle, N. Y. Electrical signaling and control. 1,885,009; Oct. 25.

Day, Albert Van Tuyl, Rye, N. Y. Multiplex electrical signaling and control. 1,885,010; Oct. 25.

Day, Allan R., Ardmore, Pa. Catalyst for vapor phase oxidation of organic compounds. 1,871,117; Aug. 9.

Day, Andrew F., assignor to A. F. Day Construction Company, Dallas, Tex. Removable chillering jig for pipe welding. 1,856,470; May 3.

Day, Austin W., Slayton, Minn. Piston. 1,854,455; Apr. 19.

Day, Bernard L., West Wittering, near Chichester, assignor to Rolls Royce Limited, Derby, England. Oil distribution system. 1,850,924; Mar. 22.

Day-Brite Reflector Company. (See Klingsick, Oswald W., assignor.)

Day, Charles M. (See McClellan, L. N., Kinzie, Savage, and Day.)

Day, Clayton L., New York, N. Y., assignor to Chicago Bridge & Iron Co. Storage tank for volatile liquids. 1,851,158; Mar. 29.

Day, Clayton L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Drainage apparatus. 1,857,362; May 10.

Day, David A., Gastonia, N. C. Lease forming apparatus for warp handling machines. 1,878,268; Sept. 20.

Day, David E., Los Angeles, Calif. Purifying petroleum oils. 1,867,908; July 19.

Day, David L., assignor to Bacon Banjo Company, Inc., Groton, Conn. Banjo. 1,887,291; Nov. 8.

Day, Edmund L., Westlne, Pa., Treating vapor of wood or its products. 1,878,678; Sept. 20.

Day, Fred A., Cincinnati, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel breasting machine. Re18,432; Apr. 19.

Day, Fred J., Los Angeles, Calif. Air conditioning means. 1,842,660; Jan. 26.

Day, George H., Rochester, N. Y. Key holding case. 1,874,919; Aug. 30.

Day, Harry G., and W. E. Skinner, Minneapolis, Minn. Smoke disposal and draft inducing apparatus for locomotives. Re18,316; Jan. 5.

Day, Harry G., and W. E. Skinner, Minneapolis, Minn. Smoke disposal and draft inducing apparatus for locomotives. 1,866,626; July 12.

Day, Harry G., and W. E. Skinner, Minneapolis, Minn. Smoke disposal and draft inducing apparatus for locomotives. 1,866,627; July 12.

Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)

Day, J. H., Company, The. (See Schiff, Sigmund, assignor.)

Day, Leonard, New York, N. Y. Electric precipitator. 1,869,335; July 26.

Day, Leonard, and E. Weinheim, assignors to E. Weinheim, New York, N. Y. Forced feed tubular dope bar. 1,851,538; Mar. 29.

Day, Luther A., assignor to Day Manufacturing Company, Sperryville, and Thos. Julian Leather Goods Company, Nocona, Tex. Display box. 1,859,200; May 17.

Day Manufacturing Company, et al. (See Day, Luther A., assignor.)

Day, Walter A., Washington, Pa. Portable nailing machine. 1,877,162; Sept. 13.

Day, William H. (See Campbell, C. S., and Day.)

Day, William H., Clinton, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Index or file. 1,866,089; July 5.

Day, William H., Clinton, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Index or file. 1,876,209; Sept. 6.

Day, William P., and F. M. Case, assignors to The International Steel Tie Company, Cleveland, Ohio. Pulsating machine for use in roadbed constructions. 1,843,066; Jan. 26.

Day, William W., assignor of one-half to E. R. Norman, Hammond, La. Crate. 1,855,943; Apr. 26.

Day, Winterton J., Alpiaus, N. Y., assignor to General Electric Company. Circuit-changing device. 1,842,963; Jan. 26.

Daynes, Harold A., and J. R. Scott, assignors to The Research Association of British Rubber Manufacturers, Croydon, England. Device for measuring the thickness of objects. 1,865,306; June 28.

Daytol Company, The. (See Staegemann, Eugene, assignor.)

Dayton Air Compressor Company, The. (See Black, Otto E., assignor.)

Dayton, Howard B. (See Willwerscheid, T. R., and Dayton.)

Dayton, James M., Torrington, Conn. Audible counting and compensating mechanism. 1,850,128; Mar. 22.

Dayton, James M., Torrington, Conn. Counting and compensating mechanism. 1,850,127; Mar. 22.

Dayton, James M., Torrington, Conn. Meter compensating device. 1,857,400; Nov. 8.

Dayton Malleable Iron Company, The. (See Langenheim, Albert H., assignor.)

Dayton Malleable Iron Company, The. (See Lucker, Millard B., assignor.)

Dayton Malleable Iron Company, The. (See Runyan, William B., assignor.)

Dayton Pump and Mfg. Co., The. (See Eickmeyer, Earl E., assignor.)

Dayton Pump & Mfg. Company, The. (See Eickmeyer, E. E. and Eichhoff, assignors.)

Dayton Pump & Mfc. Company, The. (See Eickmeyer, E. E., and Eichhoff, assignors.)

Dayton Pump & Manufacturing Company, The. (See Eickmeyer, E. E., and Wolfe, assignors.)

Dayton Pump & Mfg. Company, The. (See Wolfe, Harley H., assignor.)

Dayton Racquet Company. (See Allen, Samuel C., assignor.)

Dayton Roderwald Company, The. (See Roderwald, Rudolf, assignor.

Dayton Rubber Manufacturing Company, The. (See Freedlander, Abraham L., assignor.)

Dayton Scale Company. (See Barnett, Harry B., assignor.)

Dayton Scale Company. (See Brenden, Carroll E., assignor.)

Dayton Scale Company. (See Bryce, James W., assignor.)

Dayton Scale Company. (See Carroll, Fred M., assignor.)

Dayton Scale Company. (See Fryer, Gil N., assignor.)

Dayton Scale Company. (See Gilbert, William N., assignor.)

Dayton Scale Company. (See Haskins, Clifford B., assignor.)

Dayton Scale Company. (See Heidinger, Willy, assignor.)

Dayton Scale Company. (See Lucey, Patrick J., assignor.)

Dayton Scale Company. (See Reussenzehn, Ernest Albert, assignor.)

Dayton Scale Company. (See Strachan, Thomas H., assignor.)

Dayton Scale Company. (See Strachan, T. H., and Fryer, assignors.)

Dayton Scale Company. (See Templeton, Samuel M., assignor.)

Dayton Scale Company. (See Theis, Henry J., assignor.)

Dayton Scale Company. (See Townshend, B., and Johnston, assignors.)

Dayton Scale Company. (See Wood, F. L., and Townshend assignors.)

Dayton Scale Company. (See Wood, George R., assignor.)

Dayton Steel Foundry Company, The. (See Walther, George, assignor.)

Dayton Steel Foundry Company, The. (See Walther, G., and Baker, assignors.)

Dayton Toy & Specialty Company, The. (See Blackmore, Charles C., assignor.)

Dayton Veneer & Lumber Mills. (See James, Oliver M., assignor.)

Dazey, Allen, Loma Linda, Calif. Dispensing device for tooth-paste. 1,866,990; July 5.

Deacon, Erl E. (See Disler, H. E., and Deacon.)

Deacon, John H., Genoa, and C. H. Hartman, Toledo, Ohio, assignors, by mesne assignments, to Speis & Paper Company, New York, N. Y. Material discharging device. 1,864,529; June 28.

Deacon, William T., Richmond Heights, and H. F. Perkins, Clayton, assignors to Metalfoils, Incorporated, St. Louis, Mo. Machine for lock-seaming sheets and strips. 1,878,622; Sept. 20.

Deadman, Albert, et al. (See McMilland, John A., assignor.)

Deagan, Frank H., et al. (See Cuthbertson, John S., assignor.)

Deake, George C., Bronx, N. Y., assignor, by mesne assignments, to Metropolitan Device Corporation. Dust shield. 1,850,139; Mar. 24.

Deakin, Gerald, New York, N. Y., and L. Polinkowsky, deceased, E. Frum, Paris, France, administrator, assignors to International Standard Electric Corporation, New York, N. Y. Automatic and semiautomatic telephone exchange system. 1,845,248; Feb. 16.

Deakin, Gerald, New York, N. Y., and L. Polinkowsky, deceased; E. Frum, administrator, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Automatic and semiautomatic telephone exchange system. 1,853,081; Apr. 12.

Deakin, Gerald, New York, N. Y., and L. Polinkowsky, deceased, by E. Frum, Paris, France, administrator, assignors to International Standard Electric Corporation, New York, N. Y. Testing arrangement for automatic or semiautomatic telephone systems. 1,854,456; Apr. 19.

Deal, James A., Marion, Ohio. Hot air distributing apparatus for automobiles. 1,851,619; Mar. 29.

Deal, Moses A. (See Winsor, I. B., and Deal.)

Deal, Paul E., Coconut Grove, Fla. Picture frame. Des. 87,960; Oct. 18.

Dealy, John M., Astoria, assignor to MacArthur Concrete Pile Corporation, New York, N. Y. Apparatus for the formation of concrete piles in situ. 1,848,325; Mar. 8.

Dealy, John M., Astoria, N. Y., assignor to MacArthur Concrete Pile Corporation, New York, N. Y. Apparatus for the formation of concrete piles in situ. 1,872,688; Aug. 23.

Dean, Benjamin F., assignor of one-half to M. D. West, Sturgis, Ky. Poultry watering apparatus. 1,843,021; Jan. 26.

Dean, Charles A. Bakersfield, Calif. Core retainer. 1,850,386; Mar. 22.

Dean, Charles L., Denver, Colo., and L. D. Hilton, San Antonio, Tex., assignors, by mesne assignments, to W. A. Trout, Los Angeles, C. E. Buttler, and C. A. Rasmussen, Long Beach, Calif. Control head for oil wells. 1,869,739; Aug. 2.

Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Condenser. 1,849,057; Mar. 15.

Dean, Dion K., Rahway, and E. L. Cahoon, Westfield, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Cooling tower. 1,844,313; Feb. 9.

Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Web feed for two plate wide rotary printing presses. 1,867,966; July 19.

Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Printing press and fudge attachment. 1,873,301; Aug. 23.

Dean, George, Hall Green, England. Aircraft. 1,875,570; Sept. 6.

Dean, George E., assignor to C. G. Willett, Grand Rapids, Mich. Road grader. 1,841,403; Jan. 19.
Dean, George E., assignor to C. G. Willett, Grand Rapids, Mich. Hydraulically operated road scraper. 1,844,058; Feb. 9.
Dean, George E., assignor to C. G. Willett, Grand Rapids, Mich. Road scraper. 1,850,341; Mar. 22.
Dean, George E., Walker Township, Kent County, assignor to C. G. Willett, Grand Rapids, Mich. Scraper blade mounting. 1,776,803; Sept. 13.
Dean, George E., Walker Township, Kent County, assignor to C. G. Willett, Grand Rapids, Mich. Spring grader and moldboard. 1,876,867; Sept. 13.
Dean, George E., assignor to C. G. Willett, Grand Rapids, Mich. Street sweeper. 1,876,866; Sept. 13.
Dean, George E., and C. G. Willett, Grand Rapids, Mich.; said Dean assignor to said Willett. Road scraper. 1,841,402; Jan. 19.
Dean, James H., Ludington, Mich., assignor to J. W. Pearce, Philadelphia, Pa. Fabricated metal structural member. 1,852,042; Apr. 5.
Dean, John N. (See Smith, W. S., Garnett, and Dean.)
Dean, Le Roy L., Longview, Tex. Excavating mechanism. 1,891,142; Dec. 13.
Dean, Peter P., New Canaan, Conn., assignor to The Limestone Corporation. Valve. 1,850,094; Mar. 22.
Dean, Reginald S., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lead alloy. 1,890,913; Dec. 6.
Dean, Reginald S., Washington, D. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Lead alloy. 1,890,914; Dec. 6.
Dean, Ruth A., Boston, Mass., assignor to Harrington & King Perforating Company, Chicago, Ill. Grille panel. Des. 88,503; Dec. 6.
Dean, Van R., Springfield, Mo. Adjustable hame fastener. 1,867,967; July 19.
Dean, Walter C., Washington, D. C. Apparatus for controlling power systems. 1,852,151; Apr. 5.
Dean, Wilbur R., Bandon, Oreg. Liteboat securing means. 1,870,744; Aug. 9.
Dean, William B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston ring device. 1,842,508; Jan. 26.
Dean, William B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose coupling. 1,854,734; Apr. 19.
Dean, William B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,880,864; Oct. 4.
Dean, William J., assignor to Switzer Packing Company, Beaumont, Tex. Packing. 1,857,045; May 3.
Dean, William T., Gary, assignor to Calcel Products, Inc., Hammond, Ind. Sound absorbing material and making the same. 1,869,367; Aug. 2.
De Andia Yrarrázaval, Jean G., Paris, France. Freight handling container for transportation of goods. 1,843,505; Feb. 2.
De Andia Yrarrázaval, Jean G., Paris, France. Movable platform for conveying goods chiefly in ship's holds. 1,868,568; July 26.
Deanesly, Richard M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Increasing the concentration of olefines in a mixture containing same. 1,866,800; July 12.
Dearborn Chemical Company. (See Bryson, La Vergne T., assignor.)
Dearborn Company, The. (See Krema, John F., assignor.)
Dearborn Company, The. (See Wood, Joseph E., assignor.)
Dearborn, Ernest R. (See Angier, E. H., and Dearborn.)
Dearborn, Richard J., Summit, N. J., and G. W. Gray, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Decomposing organic materials. 1,861,956; June 7.
Dearden, Edward C., Merion, Pa., assignor, by mesne assignments, to Sloane-Blabon Corporation, New York, N. Y. Manufacture of mosaic fabrics. 1,888,492; Nov. 22.
Dearden, William H. (See Lawton, G., and Dearden.)
Dearing, Clarence W., Watsonville, Calif. Gravel spreader. 1,863,968; June 21.
Dearsley, George, Deptford, London, England. Packing machinery. 1,886,378; Nov. 8.
Deats, John S., assignor to Deats Sash and Door Company, Los Angeles, Calif. Adjustable sash. 1,877,280; Sept. 13.
Deats Sash and Door Company. (See Deats, John S., assignor.)
De Back, William, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Filling valve. 1,862,923; June 14.
DeBack, William, San Leandro, Calif., and Ogden S. Sells, assignors to Sprague-Sells Corporation, Hoopeston, Ill. Apparatus for treating food products. 1,883,606; Oct. 18.
De Baerdemaeker, Ernest, Brussels, Belgium. Permanently waving hair. 1,876,868; Sept. 13.
De Bardeleben, William S. (See Wheeler, William, assignor.)
De Bataafsche Petroleum Maatschappij. (See Al, Jan, assignor.)
De Bataafsche Petroleum Maatschappij. (See Ie Nobel, Jacobus W., assignor.)
De Bataafsche Petroleum Maatschappij. (See Loebel, Albert, assignor.)
De Bataafsche Petroleum Maatschappij. (See Waterman, Hein L., assignor.)
De Baufre, William L., New York, N. Y. Rectifying mixed gases. 1,864,585; June 28.
De Baufre, William L., New York, N. Y. Continuous process for producing high heating value gas. 1,866,399; July 5.
De Baufre, William L., Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Regulating system for high capacity boilers. 1,857,147; Nov. 8.
De Bellescize, Henri de R., Paris, France. Receiving system. 1,842,898; Jan. 26.
De Bellescize, Henri J. J. M. de R., Paris, France, assignor to Radio Corporation of America, New York, N. Y. Radio receiving apparatus. 1,867,139; July 12.
De Beuce, Stephen B., assignor to Alco Products, Incorporated, New York, N. Y. Tube hanger. 1,877,391; Sept. 13.
De Bergue and Company Limited. (See Jackson, Arthur N., assignor.)
De Bernardi, Mario, Rome, Italy. Combined controlling device for steering and stabilizing aircraft. 1,877,498; Sept. 13.
De Bernardi, Mario, Rome, Italy. Combined steering and stabilizing control device for aircraft. 1,877,499; Sept. 13.
De Blase, Guido, assignor to The Ives Corporation, Bridgeport, Conn. Speed governor for spring motors. 1,856,090; May 3.
De Blieux, Earl V. (See Boyajian A., and De Blieux.)
De Blieux, Earl V., Pittsfield, Mass., assignor to General Electric Company. Two-phase circuit connection for vapor electric devices. 1,860,175; May 24.
De Bloom, Carl G. (See Cashman, J. J., and De Bloom.)
De Bobrovsky, Teodoro N., Budapest, Hungary, and E. Parenzan, Trieste, Italy. Aeroplane. 1,842,250; Jan. 19.
De Boer, Jan. H. (See van Arkel, A. E., de Boer, and Koopman, assignors.)
De Boer, Jan H., and K. M. van Gessel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electric discharge tube. 1,859,029; May 17.
De Bogue, Maurice, Paris, assignor to Societe Anonyme Des Anciens Etablissements Panhard et Levassor, Puteaux, Seine, France. Gun carriage. 1,857,945; May 10.
De Bothezat, George, New York, N. Y. Pulley-driven disk fan. 1,857,970; May 10.
De Bourg, Albin, Bonner, Mont. Anvil for fuel hoggers. 1,870,893; Aug. 9.
De Bouas, Guy Du B., Paris, France. Radio beacon. 1,854,733; Apr. 19.
De Bracht, Joseph. (See Bracht, Harold E., assignor.)
Debrie, André L. V. C., Paris, France. Focusing device for cinematographic view taking apparatus. 1,855,128; Apr. 19.
Debrie, André L. V. C., Paris, France. Device for controlling the soft focus device in cinematographic view taking apparatus. 1,873,742; Aug. 23.
Debrie, André L. V. C., Paris, France. Cinematographic view taking apparatus. 1,879,844; Sept. 27.
De Brock, Francis B., Kew Gardens, N. Y. Shoe shining cabinet. Des. 86,377; May 10.
De Broeke, Ernest J., North Bergen, N. J. Carbon-coating electrodes. 1,854,926; Apr. 19.
De Bruijn, Emil, deceased, Roslyn, Pa., T. M. de Bruijn, executrix. Product of manufacture. 1,875,679; Sept. 20.
De Bruijn, Theresa M., executrix. (See de Bruijn, Emil.)
Debs, Louis H., Chicago, Ill. Baking pan. 1,840,310; Jan. 12.
Debs, Louis H., Chicago, Ill. Multiple baking pan. 1,856,865; Oct. 4.
Deca-Disc Phonograph Company. (See Moore, William R., jr., assignor.)
De Camps, John F., Danville, Ill. Marble shooting pistol. 1,852,401; Apr. 5.
Decarie Incinerator Corporation. (See Woodman, Joseph C., assignor.)
Decaux, René, assignor to Societe des Etablissements Gaumont, Paris, France. Moving picture machine. 1,856,541; May 3.
De Casen, Canada, Montreal, Quebec, Canada. Firearm and the like. 1,854,889; Apr. 19.
De Cesare, Matteo, Jersey City, N. J., assignor to Patent Improvement Corporation, New York, N. Y. Eye mounting for dolls. 1,840,837; Jan. 12.
De Cesare, Matteo, Newark, N. J. Doll. 1,861,050; May 31.
De Cesare, Matteo, Newark, N. J. Rolling eye set for dolls. 1,861,051; May 31.
De Cew, Judson A., Mount Vernon, N. Y. Extracting air from paper stock. 1,853,849; Apr. 12.
De Cew, Judson A., Mount Vernon, assignor to Process Engineers, Inc., New York, N. Y. Fibrous material and making same. 1,882,212; Oct. 11.
Dechery, Emile, Paris, France, assignor to "Jerry Dress Co. Inc." New York, N. Y. Textile fabric or similar article. Des. 87,039; May 24.
Dechery, Emile, Paris, France, assignor to "Jerry Dress Co. Inc." New York, N. Y. Textile fabric or similar article. Des. 87,040; May 24.

Dechery, Emile, Paris, France, assignor to "Jerry Dress Co. Inc." New York, N. Y., textile fabric or similar article. Des. 87,041; May 24.
De Cicco, Lewis, Chicago, Ill. Sanitary foot rest for furniture legs. 1,875,371; Sept. 6.
Deckel, Friedrich, Frazisionsmechanik, und Maschinenbau. (See Braren, Lorenz K., assignor.)
Decker, Alonzo G., Baltimore County, assignor to The Black & Decker Manufacturing Company, Towson, Md. Electric hammer. 1,839,743; Jan. 5.
Decker, Arnold J., assignor to All Metal Products Company, Wyandotte, Mich. Toy truck. Des. 86,302; Feb. 23.
Decker, Arnold J., assignor to All Metal Products Company, Wyandotte, Mich. Combination toy truck and trailer. Des. 86,303; Feb. 23.
Decker, Arnold J., assignor to All Metal Products Company, Wyandotte, Mich. Toy roadster. Des. 86,441; Mar. 8.
Decker, Arnold J., assignor to All-Metal Products Company, Wyandotte, Mich. Air gun. 1,859,816; May 24.
Decker, Alonzo G., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Screw driver and wrench friction drive. 1,874,250; Aug. 30.
Decker, Benjamin B., and F. E. Andersen, assignors to Dawn Mfg. Corp., Chicago, Ill. Food beater. Des. 87,626; Aug. 23.
Decker, Byron, et al. (See McFarland, Francis W., assignor.)
Decker, Carl, Knielingen, near Karlsruhe, assignor to the Firm Maschefabrik C. Reuther & Reisert mit beschrankter Haftung Hennef-on-the-Sieg, Germany. Automatic feed weigher. 1,867,442; July 12.
Decker, Delania B., Jeffersonville, Ind. Camera. 1,858,661; May 17.
Decker, Ellen W., South Orange, N. J. Stocking. 1,877,281; Sept. 13.
Decker, George, assignor to The Philad Company, Cleveland, Ohio. Hair waving apparatus. 1,863,220; June 14.
Decker, George, assignor to Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,873,874; Aug. 23.
Decker, George, assignor to Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,873,875; Aug. 23.
Decker, Grover H. and H. A., Toledo, Ohio. Clutch control. 1,880,866; Oct. 4.
Decker, Harry E., Houston, Tex. Pipe holding slip. 1,858,324; May 17.
Decker, Homer A. (See Decker, Grover H. and H. A.)
Decker, Isaac C., Montgomery, Pa. Chair. 1,846,795; Feb. 23.
Decker, Isaac C., Montgomery, Pa. Chair. 1,846,796; Feb. 23.
Decker, Isaac C., Montgomery, Pa. Chair. 1,846,797; Feb. 23.
Decker, James W., New York, N. Y. Tape control and tape treating means. 1,839,468; Jan. 5.
Decker, John C., Abington, and H. Aull, Philadelphia, assignors to Friedberger-Aull Manufacturing Company, Philadelphia, Pa. Making hosiery and product thereof. 1,869,304; July 26.
Decker, L. M., Co. (See Wilson, Donald P., assignor.)
Decker, Stiles M., Leonia, N. J. Electric hammer. 1,871,446; Aug. 16.
Decker, Theodore H., Highland Park, Ill. Golf driving indicator. 1,882,783; Oct. 18.
Decker, Theodore H., Highland Park, Ill. Golf putting device. 1,882,784; Oct. 18.
Decker, Virgil C., Harlingen, Tex. Four winged aeroplane. 1,846,992; Feb. 23.
Deckman, Charles G., assignor to The Medal Brick & Tile Company, Cleveland, Ohio. Window construction. 1,854,785; Apr. 19.
Decombe, Georges, Lyon, France. Metal reel for cables. 1,849,977; Mar. 15.
Deconing, Louis A., Woonsocket, R. I. Loom. 1,843,506; Feb. 2.
Decorative Development, Inc. (See Close, Ford C., assignor.)
Decorative Tile Corporation. (See White, Edwin H., assignor.)
De Coriolis, Ernest G. (See Barber, H. B., and De Coriolis.)
De Coriolis, Ernest G., assignor to Surface Combustion Corporation, Toledo, Ohio. Conveyer for furnaces. 1,871,501; Aug. 16.
De Coriolis, Ernest G., and H. B. Barber, assignors to Surface Combustion Corporation, Toledo, Ohio. Process of producing sooty atmosphere in gas-fired furnaces. 1,872,044; Aug. 30.
De Correvont, Howard P., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Apparatus for covering articles. 1,856,694; May 3.
De Cosimo, John. (See Principessa, T., and de Cosimo.)
De Cosse, Arthur B., Miles City, Mont. Hydraulic lubricating system. 1,878,115; Sept. 20.
De Costa, John B., Kansas City, Mo. Convertible drilling tool. 1,868,348; July 19.
De Coursey, William, St. Louis, Mo. Apparatus for pulverizing materials. 1,866,297; July 5.
De Coursey, William, St. Louis, Mo. Method and apparatus for pulverizing materials. 1,889,436; Nov. 29.
De Coutouly, Gustave C., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric wave signalling system. 1,854,457; Apr. 19.
De Cressey, Haswell R., San Francisco, Calif., assignor to The Visking Corporation, Chicago, Ill. Sausage casing. 1,890,215; Dec. 6.
De Croce, Gennero, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Polarity responsive neutral relay selector. 1,871,669; Aug. 16.
De Dominicis, Gaetano, Turin, Italy. Taping machine. 1,879,124; Sept. 27.
Dedrick, Benjamin W., State College, Pa. Recovering products rich in mineral salts and enzymes and also containing vitamin B. 1,842,933; Jan. 26.
Deegan, James J., et al. (See Krutt, Israel, assignor.)
Dee-Ily Products Company. (See MacLachlan, John C., assignor.)
Dee-Hy Products Company. (See Washburn, Robert M., assignor.)
Deere & Company. (See Bopf, Edward C., assignor.)
Deere & Company. (See Bozeman, Virgil F., assignor.)
Deere & Company. (See Brown, Theophilus, assignor.)
Deere & Company. (See Brown, T., and Kough, assignors.)
Deere & Company. (See Brown, T., and Silver, assignors.)
Deere & Company. (See Carlson, Oscar F., assignor.)
Deere & Company. (See Christensen, William, assignor.)
Deere & Company. (See Colvin, Nolan D., assignor.)
Deere & Company. (See Cook, Frank R., assignor.)
Deere & Company. (See Coultas, Wilbur J., assignor.)
Deere & Company. (See Coultas, W. J., and Colvin, assignors.)
Deere & Company. (See Coultas, W. J., and Frederiksen, assignors.)
Deere & Company. (See Court, Frank T., assignor.)
Deere & Company. (See Dieterich, Arthur B., assignor.)
Deere & Company. (See Drennan, Orville F., assignor.)
Deere & Company. (See Eckles, Charles H., assignor.)
Deere & Company. (See Helmkamp, Walter F., assignor.)
Deere & Company. (See Hoffman, John E., assignor.)
Deere & Company. (See Holstein, John V., assignor.)
Deere & Company. (See Huddle, Edwin F., assignor.)
Deere & Company. (See Hyland, William A., assignor.)
Deere & Company. (See Jackson, John L., assignor.)
Deere & Company. (See Johnson, Christian E., assignor.)
Deere & Company. (See Johnson, Ellsworth, T., assignor.)
Deere & Company. (See Johnson, Theodore W., assignor.)
Deere & Company. (See Livesay, Robert C., assignor.)
Deere & Company. (See Metcalf, Edgar E., assignor.)
Deere & Company. (See Nelson, Carl G., assignor.)
Deere & Company. (See O'Donnell, John B., assignor.)
Deere & Company. (See Paradise, Louis A., assignor.)
Deere & Company. (See Paradise, L. A., and Coultes, assignors.)
Deere & Company. (See Paradise, L. A., and Huddle, assignors.)
Deere & Company. (See Paul, Talbert W., assignor.)
Deere & Company. (See Paul, William L., assignor.)
Deere & Company. (See Peterson, Julius, assignor.)
Deere & Company. (See Raisbeck, Frank, assignor.)
Deere & Company. (See Siebenmann, Frederic J., assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Deere & Company. (See Storm, Aiblon, assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
Deere & Company. (See White, Charles H., assignor.)
Deere, John, Tractor Company. (See Liggett, John T., assignor.)
Deere, John, Tractor Company. (See McCormick, Elmer, assignor.)
Deere, John, Tractor Company. (See McCray, Harold E., assignor.)
Deere, John, Tractor Company. (See Witry, L. W., and Cade, assignors.)
Deering, Ernest C. (See Allen, L., and Deering.)
Deering, Ernest C. (See Powell, A. R., and Deering.)
Deering, Gus A., assignor to The L. A. Young Company, Detroit, Mich. Grip for golf clubs and the like. 1,849,480; Mar. 15.
Deering, William, assignor to Union Hardware Company, Torrington, Conn. Fish reel mounting. 1,879,795; Sept. 27.
De Falco, Achille, North Adams, Mass. Hanger. 1,859,370; Dec. 6.
De Fauzon, Arturo G., assignor to The Pam-Pa Company of America, Inc., Cleveland, Ohio. Bottle. Des. 86,222; Feb. 16.
De Fay, Joseph, Chicago, Ill. Garment hanger and protector. 1,850,169; Mar. 22.
Defays, Victor J., and M. J. Lefebvre, Brussels, Belgium. Power transmitting mechanism. 1,868,001; July 19.
De Ferranti, Sebastian Z., assignor to Ferranti Limited, Hollinwood, England. Induction electricity meter. 1,864,586; June 28.
De Ferranti, Sebastian Z., assignor to Ferranti, Limited, Hollinwood, England. Electric radiator fire. 1,868,411. July 19.
De Ferranti, Sebastian Z., Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Induction electricity meter. 1,891,143; Dec. 13.

De Ferranti, Sebastian Z., Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Alternating current electricity meter. 1,891,144; Dec. 13.

De Ferranti, Vincent Z., Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. High voltage rectification. 1,842,716; Jan. 26.

Defiance Button Machine Company. (See Newton, T. H., and Polinsky, assignors.)

Defiance Manufacturing Corporation. (See Luland, Webster H., assignor.)

Defiance Manufacturing Corporation. (See Phinney, Edgar R., assignor.)

Defiance Pressed Steel Company, The. (See Herbolsheimer, Emil L., assignor.)

Defibaugh, Mark A., Schenectady, N. Y., assignor to Alterton Seeds Company, East Peoria, Ill. Washing machine. 1,882,123; Oct. 11.

De Florez, Luis, Pomfret, Conn. Shock absorber for pressure controlled indicating and recording devices. 1,856,695; May 3.

De Florez, Luis, Pomfret, Conn. Control system. 1,868,522; July 26.

De Florez, Luis, Pomfret, Conn. Liquid level control. 1,868,524; July 26.

De Florez, Luis, Pomfret, Conn., assignor to The Texas Company. Operating furnaces. 1,862,737; June 14.

De Foe, Edward G., Oak Park, and C. Bramming, assignor to Red Boy, Inc., Chicago, Ill. Merchandise holder attachable to service trays. 1,892,234; Dec. 27.

De Forest, Alfred V., Southport, Conn. Thermal method of testing metallic bodies. 1,869,336; July 26.

De Forest Crosley Radio Company. (See Lowry, Charles A., assignor.)

De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Talking motion picture apparatus. 1,848,210; Nov. 9.

De Forest, Lee, assignor to General Talking Pictures Corporation, New York, N. Y. Sound reproducing device. 1,866,090; July 5.

De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Securing synchronization in talking motion picture photography. 1,888,910; Nov. 22.

De Forest, Lee, Hollywood, Calif., assignor to General Talking Pictures Corporation, New York, N. Y. Sound-on-film phonograph. 1,859,435; May 24.

DeForest, Lee, Hollywood, Calif., assignor to General Talking Pictures Corporation, New York, N. Y. Gaseous discharge device. 1,873,558; Aug. 23.

De Forest, Lee, Hollywood, Calif., assignor to General Talking Pictures Corporation, New York, N. Y. Talking motion picture attachment. 1,885,900; Nov. 1.

De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)

De Forest Radio Company. (See Crowley, Sylvester W., assignor.)

DeForest Radio Company. (See Rolle, Karl, assignor.)

De Forest Radio Telephone & Telegraph Co. (See Crowley, Sylvester W., assignor.)

DeForest Radio Telephone & Telegraph Co. (See Holborn, Frederick, assignor.)

De Forest Radio Telephone & Telegraph Company. (See Hunter, Frederick L., Jr., assignor.)

Defoy, Leonce, Three Rivers, Quebec, Canada. Furniture latch. 1,885,186; Nov. 1.

De Fraine, Allan F. (See Degenhardt, W. R., De Fraine, and Bicknell.)

Defrance, Abel, and P. Versillé, Paris, France. Combined mixing and vaporizing device. 1,858,853; May 17.

De Francesco, Ralph, Washington, D. C. Thermoelectric switch. 1,880,867; Oct. 4.

De Francisci, Joseph, Brooklyn, N. Y. Hydraulic motor. 1,841,952; Jan. 19.

De Francisci, Joseph, Brooklyn, N. Y. Hydraulic press. 1,848,699; Mar. 8.

De Francisco, Marshall, New York, N. Y. Color projecting machine. 1,857,441; May 10.

DeFrancisco, Marshall, Brooklyn, N. Y. Color photographic machine. 1,873,302; Aug. 23.

De Frehn, Charles H., (See Killins, J., and De Frehn.)

De Fries, Alfred, Kassel, Germany. Wind-screen 1,849,176; Mar. 15.

Defries, Colin, (See Johnson, Ernest W., assignor.)

De Galan, William V., Grosse Ile, Mich. Bridge scoring device. 1,858,075; May 10.

De Gaunbl, Carl, Garden City, N. Y. Aeroplane propulsion. 1,887,148; Nov. 8.

Degener, Gustave O. (See Hochman, J. C., and Degener.)

Degener, Gustave O., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,840,436; Jan. 12.

Degener, Gustave O., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,853,302; Apr. 12.

Degener, Gustave O., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,853,669; Apr. 12.

Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,853,303; Apr. 12.

Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding machine. 1,853,670; Apr. 12.

Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,853,761; Apr. 12.

Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,856,762; Apr. 13.

Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,856,763; Apr. 13.

Degener, Gustave O., Brooklyn, N. Y., and J. C. Hochman, Bradley Beach, N. J., assignors of one-half to J. C. Hochman and one-half to M. Isenberg, New York, N. Y. Computing machine. 1,879,127; Sept. 27.

Degenhardt, Frank O., Brooklyn, N. Y. Game apparatus. 1,846,412; Feb. 23.

Degenhardt, William R., London, A. F. De Fraine, Wembley, and R. H. Bicknell, deceased, Westminster; R. A. W. Bicknell, London, and A. Bicknell, Birmingham, legal representatives of deceased, assignors to The Francois Cementation Co. Limited, Doncaster, England. Percussion tool for wave transmission apparatus. 1,857,624; May 10.

Degenhart, Charles and J., Cambridge, Ohio. Auxiliary handle for levers of motor vehicles. 1,846,476; Feb. 23.

Degenhart, John. (See Degenhart, Charles and J.)

De Georgi, Nick, Mentor, Ohio. Jar cover. 1,886,651; Nov. 8.

De Geronimi, Baldano, Genoa, Italy. Moving picture screen. 1,892,424; Dec. 27.

De Giers, Clarence A., New York, N. Y., assignor, by mesne assignments, to The Liquidometer Corporation, Wilmington, Del. Liquid level indicator. 1,839,300; Jan. 5.

De Giers, Clarence A., New York, N. Y., assignor to The Liquidometer Corporation, Wilmington, Del. Content indicating mechanism for tanks and the like. 1,875,803; Sept. 6.

De Giers, Clarence A., Forest Hills, assignor to Liquidometer Corporation, Long Island City, N. Y. Liquid level indicator. 1,851,264; Oct. 4.

De Giers, Clarence A., Forest Hills, assignor to Liquidometer Corporation, Long Island City, N. Y. Liquid level indicator. 1,851,265; Oct. 4.

De Giers, Clarence A., Forest Hills, assignor to Liquidometer Corporation, Long Island City, N. Y. Remote control apparatus. 1,851,266; Oct. 4.

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Expansion indicator. 1,889,089; Nov. 29.

Degnan, Matthew W., Kansas City, Kans. High pressure valve. 1,865,458; July 5.

Degner, Albin M., assignor to Surface Combustion Corporation, Toledo, Ohio. Safety device for rotating tools. 1,841,324; Jan. 12.

Degner, Charles F., Chicago, Ill. Condiment shaker. 1,868,277; July 19.

De Golyer, Anthony G., New York, N. Y. Welding. 1,872,254; Aug. 16.

De Golyer, Anthony G., New York, N. Y. Welding. 1,872,255; Aug. 16.

De Graffenreid, Charlie D., Seminole, Okla. Fire escape. 1,888,911; Nov. 22.

De Groote, Melvin, St. Louis, assignor, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Preventing accumulation of solid matter from oil wells, pipe lines, and flow lines. 1,844,883; Feb. 9.

De Groote, Melvin, St. Louis, assignor, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Preventing accumulation of solid matter in oil wells, pipe lines, and flow lines. 1,861,176; May 31.

De Groote, Melvin, St. Louis, assignor, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Preventing accumulation of solid matter from oil wells, pipe lines, and flow lines. 1,861,177; May 31.

De Groote, Melvin, St. Louis, and B. Keiser, assignors, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,842,934; Jan. 26.

De Groote, Melvin, St. Louis, assignor, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Preventing accumulation of solid matter in oil wells, pipe lines, and flow lines. 1,892,205; Dec. 27.

De Guenther, Edward J., Milwaukee, Wis. Door buffer. 1,858,886; May 17.

De Guire, Olfan. (See Mortenson, O., and De Guire.)

De Haven, Hugh, assignor, by mesne assignments, to De Haven Razor Corporation, New York, N. Y. Combined razor and blade sharpener. 1,859,554; May 24.

De Haven, Hugh, assignor, by mesne assignments, to De Haven Razor Corporation, New York, N. Y. Razor. 1,859,555; May 24.

De Haven, Hugh, assignor, by mesne assignments, to De Haven Razor Corporation, New York, N. Y. Razor blade sharpening instrument and razor blade. 1,859,556; May 24.

De Haven Razor Corporation. (See De Haven, Hugh, assignor.)

Debuff, Walter F., Glen Rock, Pa. Dough mixing machine. 1,874,920; Aug. 30.

Debuff, Walter F., Glen Rock, Pa. Equalizing tension device for variable speed drives. 1,890,500; Dec. 13.

De Hymel, Leo, and J. H. Dreyer, Monrovia, Calif. Plaque. Des. 87,093 : May 31.
Deibel, Cyril O., Lakewood, Ohio. Dry cell and seal therefor. 1,866,016 ; July 5.
Deich, Sol. (See Beller, Oscar, assignor.)
Deichmann, Artur O. W., Bad Godesberg-on-the-Rhine, Germany. Jointed figure with adjustable limbs. 1,865,049 ; July 19.
Deiner, Joseph, Milwaukee, R. J. Goodrich, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Halogenated indanthrone complex and process of preparing the same. 1,862,844 ; June 14.
Deiner, Joseph. (See Prager, H. A., and Deinet.)
Deinet Joseph, Milwaukee, R. J. Goodrich, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Halogenated indanthrones and preparing the same. 1,862,843 ; June 14.
De Jongh, Johan H., Wassenaar, assignor to Naamlooze vennootschap Maatschappij tot Vervaardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,869,740 ; Aug. 2.
De Iongh, Johan H., Wassenaar, assignor to Naamlooze Vennootschap Maatschappij tot Verarardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Counterbalancing mechanism for weighing apparatus. 1,872,420 ; Aug. 16.
De Iongh, Johan H., Wassenaar, assignor to Naamlooze Vennootschap Maatschappij tot Verarardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,888,979 ; Nov. 29.
Deisch, Bert A. (See McDonald, C. D., and Deisch.)
Deisch, Noel, Washington, D. C. Method of and apparatus for sound recording and reproduction. 1,890,640 ; Dec. 13.
Deisler, Harry W., Bucyrus, assignor to The Wellington Machine Company, Wellington, Ohio. Spring caster. Re13,477 ; May 17.
Deisler, Harry W., assignor to W. A. Riddell Company, Bucyrus, Ohio. Road grader and the like. 1,862,924 ; June 14.
Deister Concentrator Company, The. (See Weber, Don A., assignor.)
Deister, Emil E., assignor to Deister Machine Company, Fort Wayne, Ind. Spray nozzle. 1,848,700 ; Mar. 8.
Deister, Emil E., assignor to Deister Machine Co., Fort Wayne, Ind. Drive mechanism. 1,876,923 ; Sept. 27.
Deister Machine Company. (See Deister, Emil E., assignor.)
Deitch, Lonzo. (See Steele, J. W., and Deitch.)
Deitz, Louis S., jr., Rifle, Colo., assignor to United States Vanadium Corporation. Recovering ammonia. 1,849,420 ; Mar. 15.
De Jaco, Francis J., Nicholasville, Ky. Ecclesiastic ritual case. 1,889,044 ; Nov. 29.
De Jahn, Frederik W. J. Welles, E. R., and de Jahn.)
De Jarnette, Henry W., assignor of one-half to John C. Hoe, Des Moines, Iowa. Packing stabber. 1,858,040 ; May 10.
De Jong, Hendrik, Eindhoven, Netherlands, assignor to Radio Corporation of America. Wire coil and making same. 1,871,713 ; Aug. 16.
De Joy, Nick ; Henry A. Schrantz, administrator of said Nick De Joy, deceased, assignor to The Metropolitan Paving Brick Company, Canton, Ohio. Surfacing sand and the like. 1,887,195 ; Nov. 8.
Dejur-Amsco Corporation. (See Hardy, Charles, assignor.)
De Kay, Richard E. (See De Kay, Robert E., assignor.)
De Kay, Robert E., assignor to R. E. De Kay, Los Angeles, Calif. Tray conveyer. 1,846,652 ; Feb. 23.
De Koib Wagon Company. (See Cook, Bernard C., assignor.)
De Koning, Jacob, assignor to Gallmeyer and Livingston Company, Grand Rapids, Mich. Work-feeding mechanism. 1,854,610 ; Apr. 19.
De Koning, Jacob, assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich. Grinding machine construction. 1,886,952 ; Nov. 8.
De Koning, Jacob, and C. H. Antrim, assignors to Gallmeyer and Livingston Company, Grand Rapids, Mich. Band saw structure. 1,841,899 ; Jan. 19.
De la Borbolla, Ignacio, Mexico, Mexico. Attachment for automobiles for locking the hood of the motor and the spare wheel. 1,841,483 ; Dec. 27.
De la Cierva, Juan. (See Pitcairn, H. F., and de la Cierva.)
De La Cierva, Juan, Aldwych, London, England, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with autogyrative wings. 1,857,807 ; May 10.
De La Cierva, Juan, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative wings. 1,859,584 ; May 24.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft and operating the same. 1,884,596 ; Oct. 25.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Sustaining rotor construction for aircraft. 1,884,597 ; Oct. 25.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative sustaining blade for aircraft. 1,884,598 ; Oct. 25.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having rotative wings. 1,884,599 ; Oct. 25.
Delacour, Frank P., London, England. Pliers. 1,855,944 ; Apr. 26.
Delage, Gustave, Paris, assignor to Societe Anonyme : Nieuport-Astra, Seine, France. Metallic construction of aircraft. 1,854,350 ; Apr. 19.
Delahaye, Armand, Calais, France. Lace. Des. 86,701 ; Apr. 12.
Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,871,260 ; Aug. 9.
Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,874,921 ; Aug. 30.
Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,571 ; Sept. 6.
Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,876,136 ; Sept. 6.
De Lail, John. (See Rubini, E., and De Lat.)
Delaize, Paul C., New York, assignor to O'Orsay Perfumeries Corporation, New York, N. Y. Bottle. Des. 87,206 ; June 21.
Delaize, Paul C., assignor to D'Orsay Perfumeries Corporation, New York, N. Y. Bottle. Des. 88,504 ; Dec. 6.
De Lo Mater, George F., Gaylord, Mich. Snowplow. 1,867,255 ; July 12.
Delamere, Rudolf D., assignor to Delamere and Williams, Limited, Toronto, Ontario, Canada. Tray carrying conveyer. 1,858,619 ; May 17.
Delamere and Williams, Limited. (See Delamere, Rudolf D., assignor.)
De Lancey, Warren H. (See Logan, J. A., and De Lancey.)
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Visible discharge indicator. 1,844,212 ; Feb. 9.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Combined switch and junction box. 1,848,607 ; Mar. 8.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing system. 1,864,233 ; June 21.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,870,899 ; Aug. 9.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,870,900 ; Aug. 9.
De Lancey, Warren H., Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid sampling device. 1,850,868 ; Oct. 4.
De Lancey, Warren H., Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,880,869 ; Nov. 29.
Delancy, Edmund S., Washington, D. C. Calendar. 1,868,595 ; July 26.
De Lara, Lorenzo R., Grants Pass, Oreg. Drill mechanism for arithmetic. 1,842,150 ; Jan. 19.
Delaney, Ada W. (See Delaney, J. H., assignor.)
DeLaney, Edward A., et al. (See Rowland, Charles L.)
De Laney, Edward A., et al., executor. (See Rowland, Charles L., assignor.)
Delaney, Herbert L., Berkeley, assignor to Bunting Iron Works, San Francisco, Calif. Fuel oil burner control system. 1,886,472 ; Nov. 8.
Delaney, John H., deceased, Los Angeles, Calif. ; Union Bank & Trust Co. of Los Angeles, administrator. Building material. 1,849,399 ; Mar. 15.
Delaney, John H., deceased, Los Angeles, Calif., Union Bank & Trust Co. of Los Angeles, administrator. Building material. 1,874,922 ; Aug. 30.
Delaney, John H., assignor to A. W. Delaney, Los Angeles, Calif. Making wall covering. 1,890,674 ; Dec. 13.
Delaney, Myron E. (See Hanson, Ira R., and Delaney.)
Delaney, Thomas A., assignor to C. S. Brown, Syracuse, N. Y. Starter crank construction for internal combustion engines. 1,849,209 ; Mar. 22.
Delaney, Thomas W., St. Paul, Minn. Control for electric motors. 1,851,896 ; Mar. 29.
Delaney, Thomas W., St. Paul, Minn. Integrated furnace control. 1,891,081 ; Dec. 13.
De Laney, Wallace W., assignor to The Seamless Rubber Company, New Haven, Conn. Making bathing caps and the like. 1,852,943 ; Apr. 5.
De Laney, Wallace W., assignor to The Seamless Rubber Company, Incorporated, New Haven, Conn. Making bathing caps and the like. 1,853,894 ; Apr. 12.
De Lange, Albert J., Amsterdam, Netherlands, assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Manufacture of a bituminous cement mortar, cement concrete, and the like. 1,889,437 ; Nov. 29.
De Lange, Dirk, et al. (See De Lange, Henri M., assignor.)

De Lange, Henri M., DeBilt, Netherlands, assignor to John F. Barr, Drogheda, Irish Free State, and Dirk de Lange, DeBilt, Netherlands. Preparation of a glassy drying substance from cement with or without colors. 1,836,379; Nov. 8.

DeLangie, Emma L. (See DeLangie, Godfrey A., assignor.)

De Langie, Godfrey A. (See De Langie, P. and G. A.)

De Langie, Godfrey A., assignor of one-half to P. De Langie, Newport, R. I. Control mechanism. 1,855,707; Apr. 26.

DeLangie, Godfrey A., assignor to E. L. DeLangie, Newport, R. I. Pressure control mechanism. 1,873,303; Aug. 23.

De Langie, Peter. (See De Langie, Godfrey A., assignor.)

De Langie, Peter and G. A., Newport, R. I. Control mechanism. 1,848,481; Mar. 8.

De Lano, Fred C., South Pasadena, Calif. Ampule sealing machine. 1,839,654; Jan. 5.

Delano, Frederic A., Washington, D. C. Corrugated transparent material. 1,886,445; Nov. 8.

De Lano, Herman J., assignor to De Lano Service, Allegan, Mich. Detroit record. 1,867,211; July 12.

Delano, Howard A., York, Pa., assignor to American Chain Company, Inc. Annealing tray. 1,843,946; Feb. 9.

De Lano Service. (See De Lano, Herman J., assignor.)

Delany, Edward L., Brooklyn, N. Y. Method of assembling and binging toilet seats and covers. 1,870,715; Aug. 9.

Delaplane, Glen I. (See Koehly, P., and Delaplane.)

De La Roche, Hans R. S., Bremen, Germany. Refractory covering iron and metal structures. 1,889,644; Nov. 29.

Delarosa, Herman, Pittsburgh, Pa. Ash container. 1,892,385; Dec. 27.

De la Roza, Joaquin J., sr., Tuinucu, Cuba. Vessel for treating fibrous material. 1,849,866; Mar. 15.

De La Roza, Joaquin J., sr., Tuinucu, Cuba. Manufacturing cellulose. 1,862,177; June 7.

De la Roza, Joaquin J., sr., Tuinucu, Cuba. Manufacturing cellulose. 1,864,985; June 28.

Delas, Francois X. J. A., Paris, France. Heat exchanger. 1,891,705; Dec. 20.

De Laski & Thropp Circular Woven Tire Company, The. (See Thropp, W. E. and Morgan, assignors.)

Delattre-Seguy, Jean, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for producing and utilizing gas. 1,894,945; Jan. 22.

De Lautour, Francis, London, England. Gas passage of the cylinders of internal combustion engines. 1,859,329; May 24.

Delaval-Crow, Thomas C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction bearing and seal. 1,850,170; Mar. 22.

Delaval-Crow, Thomas C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Shaft mounting and lubricator. 1,890,844; Dec. 13.

De Laval Separator Company, The. (See Andersson, Gustav H., assignor.)

De Laval Separator Company, The. (See Beckman, Herman C., assignor.)

De Laval Separator Company, The. (See Cleary, Walter D., assignor.)

DeLaval Separator Company, The. (See Dahlgren, Sven A. B., assignor.)

De Laval Separator Company, The. (See Dietrich, Melvin A., assignor.)

De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)

De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)

De Laval Separator Company, The. (See Hulbert, John L., assignor.)

De Laval Separator Company, The. (See Jansson, Ernst T., assignor.)

De Laval Separator Company, The. (See Lindgren, H. O., and Malm, assignors.)

De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)

De Laval Separator Company, The. (See Scott, Walter A., assignor.)

De Laval Separator Company, The. (See Streszynski, G. J., and Fraser, assignors.)

De Laval Steam Turbine Company. (See Kennedy, Frank W., assignor.)

De Laval Steam Turbine Company. (See Peterson, Arvid, assignor.)

Delavaire, Melville A., West Scarboro, Me. Amusement device. 1,860,453; May 31.

Delco-Light Company. (See Dick, Herman J., assignor.)

Delco-Light Company. (See Dickey, Ernest, assignor.)

Delco-Light Company. (See Lee, Ralph L., assignor.)

Delco-Light Company. (See Oswald, Louis C., assignor.)

Delco-Light Company. (See Starr, F. P., assignor.)

Delco-Light Company. (See Starr Frank F., assignor.)

Delco-Light Company. (See Wells, William C., assignor.)

Delco-Light Company. (See Wells, W. C., and Wendt, assignors.)

Delco-Light Company. (See Wendt, Wesley E., assignor.)

Delco Products Corporation. (See Ahlers, Robert H., assignor.)

Delco Products Corporation. (See Anson, Jerome I., assignor.)

Delco Products Corporation. (See Aseltine, Fred E., assignor.)

Delco Products Corporation. (See Baker, John A., assignor.)

Delco Products Corporation. (See Bradford, Zerbe C., assignor.)

Delco Products Corporation. (See Chryst, William A., assignor.)

Delco Products Corporation. (See Davis, Lewis H., assignor.)

Delco Products Corporation. (See Elsey, George W., assignor.)

Delco Products Corporation. (See Funston, Frederick D., assignor.)

Delco Products Corporation. (See Hunt, John H., assignor.)

Delco Products Corporation. (See Kindl, Carl H., assignor.)

Delco Products Corporation. (See Kindl, C. H., and Funston, assignors.)

Delco Products Corporation. (See Koehly, Henry J., assignor.)

Delco Products Corporation. (See Koehly, Paul, and Delaplane, assignors.)

Delco Products Corporation. (See Kunkle, B. D., and Kindl, assignors.)

Delco Products Corporation. (See Kunkle, B. D., and Rossman, assignors.)

Delco Products Corporation. (See Lee, John W., assignor.)

Delco Products Corporation. (See Morton, Craig V., assignor.)

Delco Products Corporation. (See Parsons, Jay C., assignor.)

Delco Products Corporation. (See Ragar, Elmer, assignor.)

Delco Products Corporation. (See Riedel, Walter W., assignor.)

Delco Products Corporation. (See Rossman, Edwin F., assignor.)

Delco Products Corporation. (See Sunday, James J., assignor.)

Delco Products Corporation. (See Teeter, Wilford H., assignor.)

Delco Products Corporation. (See Walters, Herbert C., assignor.)

Delco Products Corporation. (See Werner, Calvin J., assignor.)

Delco-Remy Corporation. (See Arthur, James L., assignor.)

Delco-Remy Corporation. (See Bertsche, Ralph, jr., assignor.)

Delco-Remy Corporation. (See Chryst, William A., assignor.)

Delco-Remy Corporation. (See Chryst, W. A., and Elsey, assignors.)

Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)

Delco-Remy Corporation. (See Cullin, Jasper F., assignor.)

Delco-Remy Corporation. (See Davis, Charles H., jr., assignor.)

Delco-Remy Corporation. (See Davis, C. H., jr., and Rice, assignors.)

Delco-Remy Corporation. (See Dyer, John B., assignor.)

Delco-Remy Corporation. (See Dyer, J. B., and Lawson, assignors.)

Delco-Remy Corporation. (See Emmert, Rodger J., assignor.)

Delco-Remy Corporation. (See Fitzsimmons, John T., assignor.)

Delco-Remy Corporation. (See Fitzsimmons, J. T., and Arthur, assignors.)

Delco-Remy Corporation. (See Goad, Louis C., assignor.)

Delco-Remy Corporation. (See Hardman, Frederick J., assignor.)

Delco-Remy Corporation. (See Hartzell, Herman L., assignor.)

Delco-Remy Corporation. (See Hittle, Dalphin L., assignor.)

Delco-Remy Corporation. (See Holmes, John Q., assignor.)

Delco-Remy Corporation. (See Holmes, J. Q., and Phelps, assignors.)

Delco-Remy Corporation. (See Johnson, Sigurd N., assignor.)

Delco-Remy Corporation. (See Johnson, S. N., and Birch, assignors.)

Delco-Remy Corporation. (See Keller, Clarence J., assignor.)

Delco-Remy Corporation. (See Kuhls, Ernest R., assignor.)

Delco-Remy Corporation. (See Martzell, Herman L., assignor.)

Delco-Remy Corporation. (See Nichols, Charles A., assignor.)

Delco-Remy Corporation. (See Norviel, Harry E., assignor.)

Delco-Remy Corporation. (See Norviel, H. E., Dyer, and Kelly, assignors.)

Delco-Remy Corporation. (See Norviel, H. E., and Ecoff, assignors.)

Delco-Remy Corporation. (See Norviel, H. E., and Wikle, assignors.)

Delco-Remy Corporation. (See Parker, Leslie O., assignor.)

Delco-Remy Corporation. (See Phelps, Alva W., assignor.)
Delco-Remy Corporation. (See Phelps, A. W., and Holmes, assignors.)
Delco-Remy Corporation. (See Phelps, A. W., and Keller, assignors.)
Delco-Remy Corporation. (See Phelps, A. W., and Penn, assignors.)
Delco-Remy Corporation. (See Poole, Lora E., assignor.)
Delco-Remy Corporation. (See Prescott, Frank H., assignor.)
Delco-Remy Corporation. (See Reuter, Irving J., assignor.)
Delco-Remy Corporation. (See Riedel, Walter W., assignor.)
Delco-Remy Corporation. (See Seabury, R. L., and Murray, assignors.)
Delco-Remy Corporation. (See Shippy, Leo C., assignor.)
Delco-Remy Corporation. (See Shippy, L. C., and Baker, assignors.)
Delco-Remy Corporation. (See Shippy, L. C., and Goad, assignors.)
Delco-Remy Corporation. (See Shippy, L. C., and Holmes, assignors.)
Delco-Remy Corporation. (See Shippy, L. C., and Phelps, assignors.)
Delco-Remy Corporation. (See Weiser, George L., assignor.)
Delco-Remy Corporation. (See Whelchel, Rupert C., assignor.)
Delco-Remy Corporation. (See Wilkins, Raymond A., assignor.)
De Leeuw, Adolph L., Plainfield, N. J., assignor of one-half to A. F. Natha, New York, N. Y. Dressing grinders. 1,857,142; May 10.
De Leeuw, Adolph L., Plainfield, N. J. Screw cutting method. 1,868,239; June 28.
Deleiuvin, Maurice P. A. (See Prompt, Lucien L. J., assignor.)
Delergy, Bert R., Los Angeles, Calif. Fruit juice extractor. 1,855,341; Apr. 26.
Delevoye, Robert E. C., Paris, assignor to Societe Anonyme des Anciens Etablissements Horchkiss & Cie., St.-Denis, Seine, France. Gear box. 1,846,250; Feb. 23.
Delfs, John, West Springfield, Mass. Scaffold. 1,890,029; Dec. 6.
De l' Harpe, Ollivier M. G., assignor to Societe Francaise Radio Electrique, Paris, France. Regulator for amplifiers. 1,854,294; Apr. 19.
Dell, Jay, Chicago, Ill. Pencil. 1,879,736; Sept. 27.
Dell, Frank C., and W. F. Foth, assignors to Autopoint Company, Chicago, Ill. Pencil. 1,848,608; Mar. 8.
Dell, Frank C., W. D. Grosseclose, and W. F. Foth, assignors to Autopoint Company, Chicago, Ill. Pencil. 1,853,042; Apr. 12.
Delich, Peter, assignor of thirty per cent to R. Z. Vokovan, Duluth, Minn. Bottle. Des. 86,702; Apr. 12.
Delich, Peter, assignor of thirty per cent to R. Z. Vokovan, Duluth, Minn. Combination mirror and receptacle. Des. 86,703; Apr. 12.
Delich, Peter, assignor of thirty per cent to R. Z. Vokovan, Duluth, Minn. Condiment receptacle. Des 86,704; Apr. 12.
Delich, Peter, assignor of thirty per cent to R. Z. Vokovan, Duluth, Minn. Conveyer toy. 1,879,845; Sept. 27.
Deligianes, Thomas N., Chicago, Ill. Paper napkin. Des. 87,240; Sept. 13.
Deligianes, Thomas N., and A. A. Boudores, Chicago, Ill. Folding machine. 1,867,909; July 19.
De Lisle, Harold L., Chicago, Ill. Shallow drawer container for sheets. 1,890,216; Dec. 6.
Dell, Norman E., Buffalo, N. Y. Hydropower generating machine. 1,842,661; Jan. 26.
Dell Publishing Co. Inc. (See Lamarque, Abril, assignor.)
Dell, Samuel M., & Co. (See McMillan, Hugh F., assignor.)
Dellaney, Frank H., Detroit, Mich. Spindle for screw driving machines. 1,862,845; June 14.
Dellaree, Frank H., Detroit, Mich. Pick-up device for screws and the like. 1,866,880; July 12.
Della-Riccia, Angelo, Brussels, Belgium. System for automatically controlling the speed of electric motors. 1,888,569; Nov. 22.
Dellert, Louis, New York, N. Y. Chair. 1,879,126; Sept. 27.
Dellert, Louis, New York, N. Y. Nested chair. 1,891,145; Dec. 13.
Dellinger, Martin C. (See Kulp, Harry W., assignor.)
Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
Dellinger, Martin C., assignor of one-half to H. W. Kulp, Lancaster, Pa. Food chopper. 1,867,657; July 19.
Delloye, Lucien, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus and method of manufacturing sheet glass. 1,867,940; July 19.
Delman, Inc. (See Ellington, Ferdinand W., assignor.)
Delman, Inc. (See Morall, Charles, assignor.)
Delmas, Pierre, Paris, France. Automatic signaling device for motor vehicles. 1,863,688; June 21.
De Loach, Bert H., et al. (See Foss, Leland L., assignor.)
De Loach, Douglas D., assignor to Foss-De Loach Company, Savannah, Ga. Rotary valve. 1,871,502; Aug. 16.
De Long, Darrol F., Rochester, and R. Plank, Pittsford, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 1,852,402; Apr. 5.
De Long Hook and Eye Company. (See Reiter, Henry J., assignor.)
De Lorenzi, Thomas, West Medford, Mass. Container display board. 1,876,869; Sept. 13.
De Loye, Paul, and A. Touzot, St. Etienne, France, assignors of one-half to T. A. Willard, Cleveland, Ohio. Separator for storage batteries. 1,846,090; Feb. 23.
Del Papa, Louis, Fawtucket, R. I. Article holder. 1,877,229; Sept. 13.
Delpech, Gaston, Nemours, assignor to Société Quartz & Silice, Paris, France. Apparatus for the blowing and molding of articles in silica glass. 1,848,940; Mar. 8.
Delpech, Gaston, Nemours, assignor to Société Quartz & Silicé, Paris, France. Manufacture of silica articles with glazed surfaces. 1,857,080; May 3.
Del Plaine, Parker H. (See Hollander, C. S., and Del Plaine.)
Delplanque, Ferdinand, Paris, France. Machine for sewing velvet on to fabrics of any kind. 1,877,824; Sept. 20.
Del Purgatorio, Antonio, Jersey City, N. J. Floor lamp or like article. Des. 87,483; Aug. 2.
Delray Corporation. (See Pieretti, George, assignor.)
Del Riccio, Lorenzo, Los Angeles, Calif., assignor to Paramount Famous Lasky Corporation, and Warner Bros. Pictures, Inc., New York, N. Y. Projection apparatus. 1,879,737; Sept. 27.
Del Sonno, Michael R., New York, N. Y. Tuning device. 1,870,769; Aug. 9.
Delta Electric Company. (See Wiley, Lee M., assignor.)
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Delta-Star Electric Company, The. (See Alsaker, Alfred, assignor.)
Delta-Star Electric Company, The. (See Alsaker, A., Hampton, and Koerner, assignors.)
Delta-Star Electric Company. (See Alsaker, A., and Markese, assignors.)
Delta-Star Electric Company, The. (See Alsaker, A., and Nordhem, assignors.)
Delta-Star Electric Company. (See Boyce, William H., assignor.)
Delta-Star Electric Company. (See Cole, F. H., and Skau, assignors.)
Delta-Star Electric Company, The. (See Corneliussen, Elias S. (called Cornell).)
Delta-Star Electric Company, The. (See Nordhem, Eric, assignor.)
Delta-Star Electric Company, The. (See Rah, Joseph, assignor.)
Delta Star Electric Company, The. (See Schneider, John, assignor.)
Delta-Star Electric Company. (See Sumpter, John E., assignor.)
Delta-Star Electric Company. (See Sumpter, J. E., and Alsaker, assignors.)
Delta-Star Electric Company. (See Van Rosen, Hugo, assignor.)
Deltex Company, The. (See Chapin, E. S., and Jacoby, assignors.)
Deltex Rug Company. (See Keeney, Charles H., assignor.)
De Lucs, Joseph M. (See Valente, Alfred.)
De Luce, Guglielmo, and F. Guerra, assignors to Societa Italiana Miglioramento Armi, Naples, Italy. Firearm. 1,860,276; May 24.
DeLuxe Metal Furniture Company. (See Onions, Herbert A., assignor.)
De Luxe Products Corporation, The. (See Boyd, Landon B., assignor.)
DeMeur, Inc. (See Genaille, Georges, assignor.)
Delvin, Hart E., Gary, Ind. Pencil. 1,849,914; Mar. 15.
Delzer, William F., assignor to Western Specialty Company, Milwaukee, Wis. Soda fountain and ice cream cabinet. 1,890,641; Dec. 13.
Demag Aktiengesellschaft. (See Heetkamp, Heinrich, assignor.)
Demag Aktiengesellschaft. (See Peters, Mathias, assignor.)
De Malvin de Montazet, Marie J. A., and I. Johanson, Argenteuil, France. Internal combustion engine. 1,892,040; Dec. 27.
Demaree, Clarence B., Eminence, assignor of one-half to J. E. Rucker, Lawrenceburg, Ky. Cistern filter. 1,892,039; Dec. 27.
Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Transmission regulating system. 1,874,466; Aug. 30.
De Markus, Louis, and F. A. Fouser, assignors to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa. Container handling apparatus. 1,892,042; Dec. 27.
De Martini, Paul, Jr., San Francisco, Calif. Table accessory. 1,857,712; May 10.
De Mask, Martin J., Pittsfield, Mass. Fitting for multiple electric installations. 1,840,887; Jan. 12.
De Mask, Martin J., Pittsfield, Mass. Multiple electrical conduit receptacle and plug. 1,885,513; Nov. 1.

De Mattia, Barthold, Clifton, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizing mold. 1,851,570; Mar. 29.

De Mattia, Barthold, Clifton, N. J., assignor to National Rubber Machinery Company. Vulcanizing mold. 1,869,671; Aug. 2.

De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizing mold. 1,851,003; Mar. 29.

De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizing mold. 1,852,557; Apr. 5.

De Mattia, Peter, Passaic, N. J., assignor to National Rubber Machinery Company. Vulcanizing mold for inner tubes and the like. 1,855,753; Apr. 26.

De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizing mold. 1,863,604; June 21.

De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Time-controlling mechanism for vulcanizing molds. 1,867,734; July 19.

Demay, Gabriel, West New York, N. J. Ring or similar article. Des. 87,206; June 21.

De Mazioff, George, New York, N. Y., assignor to National Automatic Container Corporation, Baltimore, Md. Cigarette package container. 1,858,199; May 10.

De Mazioff, George, New York, N. Y., assignor to National Automatic Container Corporation, Baltimore, Md. Cigarette package container. 1,858,200; May 10.

Deming, Edward, and E. Welnder, Chicago, Ill. Sewing machine attachment. 1,857,942; May 10.

Demers, Honore, Manchester, N. H. Loom stop mechanism. 1,865,620; July 5.

Deming Company, The. (See Randolph, A., and Dawson, assignors.)

Deming, George M., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Pressure regulator. 1,839,837; Jan. 5.

Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Draining gas cylinders. 1,841,325; Jan. 12.

Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding apparatus. 1,880,076; Sept. 27.

Deming, Robert, Cincinnati, Ohio. Spiral gas and oil separator. 1,850,238; Mar. 24.

De Minno, Anthony M., and J. M. Parrella, New York, N. Y. Toy rapid-fire gun. 1,860,611; May 31.

Demmerle, Louis C., Cranford, N. J., assignor to E. T. Gray, New York, N. Y. Domestic cooking vessel. 1,862,077; June 7.

Demming, Agnes M., administratrix. (See Demming, William J.)

Demming, William J., deceased, by A. M. Demming, administratrix, Lakewood, Ohio, assignor to Multigraph Company, Wilmington, Del. Casting machine. 1,871,045; Aug. 9.

Demo, Gust, Detroit, Mich. Door closer. 1,880,870; Oct. 4.

Democratis, Achille, London, England. Converting and transmitting torques. 1,882,181; Oct. 11.

DeMoe Engineering Laboratories, The. (See McKnight, R. R., and Webber, assignors.)

Demonceaux, Pierre A. H., Le Perreux, assignor to Preparation Industrielle des Combustibles. Societe Anonyme. Nogent-sur-Marne, France. Controlling the jigging action in jigs used in coal or ore washing. 1,853,763; Apr. 12.

Demonet, Eugene A. (See Milnor, J. W., Demonet, and Bramhall.)

De Montalk, Robert W., Wellington, New Zealand. Shock absorbing or minimizing means for buildings. 1,847,820; Mar. 1.

De Montgrand, Léon, Marseille, France. Mechanical coupling. 1,865,559; July 5.

De Montmollin, Guillaume, H. Gubler, and J. Spieler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,845,546; Feb. 23.

DeMooy, John, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Automatic coupling valve. 1,869,411; Aug. 2.

De Mooy, John, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Hose coupling. 1,873,304; Aug. 23.

De Moss, Leonard, Des Moines, Iowa, assignor to Swift and Company, Chicago, Ill. Grading device. 1,855,011; Apr. 19.

De Moss, Leonard, Des Moines, Iowa, assignor to Swift and Company, Chicago, Ill. Casing measuring machine. 1,859,291; May 24.

DeMott, Theron W., Chicago, Ill. Kite. 1,868,525; July 26.

Dempsey, John W., Lowell, Mass. Window display support. 1,852,449; Apr. 5.

Dempsey, William T., New York, N. Y. Steam condenser for ships. 1,848,939; Mar. 8.

Dempster, Burgess, and A. R. Bruehl, Berkeley, assignors to The Marzanvox Company, Oakland, Calif. Loud speaker. 1,864,809; June 28.

Dempster, John R., Berkeley, Calif. Circular slide rule. 1,849,058; Mar. 15.

Dempster, John R., Berkeley, Calif. Disk slide rule. 1,868,816; July 26.

Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Circular saw. 1,873,700; Aug. 23.

Dempster Mill Manufacturing Company. (See Schlachter, Henry, assignor.)

Dems, Herman M., jr., Desplaines, Ill. Signal. 1,842,151; Jan. 19.

Denart Mill Manufacturing Company. (See Lawrence, H. E., and Crone.)

Demuth, Wm., & Co. (See Hutcheson, Ray R., assignor.)

Demuth, Wm., & Co. (See Shoemaker, Bernard M., assignor.)

De Nault, Joseph T. (See Green, G., Booth, and De Nault.)

Denckiau, Charles F., Los Angeles, Calif. Automatic faucet. 1,857,363; May 10.

Dendler, Ralph E., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,851,695; Mar. 29.

Dendler, Ralph E., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,864,685; June 28.

De Németh, Zoltán, New York, N. Y. Safety device for portable oil burners. 1,844,213; Feb. 9.

Dengler, Benjamin F. (See Ashbrook, R. B., Macferran, Quintrom, and Dengler.)

Dengler, Benjamin F., Los Angeles, Calif. Valve. 1,847,385; Mar. 1.

Dengler, Charles F. (See Ricketts, J. L., and Dengler.)

Dengler, Franz P., assignor to L. M. Brown, Chicago, Ill. Extraction of oil from vegetable material. 1,850,095; Mar. 22.

Dengler, Franz P., assignor to L. M. Brown, Chicago, Ill. Treating chocolate liquor containing proteins, starches, and fats. 1,892,449; Dec. 27.

Denhof, Hans, Vienna, Austria. Process and machine for uniformly distributing impregnating medium on articles of wasbing. 1,845,134; Feb. 16.

Denig, Fred, Pittsburgh, Pa., assignor to The Koppers Company. Method of and apparatus for oil distillation. 1,856,471; May 3.

Denison, Jacob P., New York, N. Y., assignor of one-fifth to The Hebrew University, Jerusalem, Palestine. Fluid-reactive device. 1,847,866; Mar. 1.

Denison, Alberta E. (See Denison, Louis S., assignor.)

Denison, Frederick S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flame control system. 1,847,871; Oct. 4.

Denison, George W., Bay Village, Ohio. Floor and ceiling construction. 1,843,112; Feb. 2.

Denison, Louis H., assignor of one-half to H. H. Lahr, Evansville, Ind. Swing. 1,844,314; Feb. 9.

Denison, Louis S., assignor to A. E. Denison, Santa Cruz, Calif. Drain pipe for flushing attachments. 1,885,977; Nov. 1.

Denison, William C., jr. (See Millar, F. O., and Denison.)

Denison, William C., Cleveland Heights, Ohio. Air conditioning device. 1,868,274; July 19.

Deniston, Albert J., jr. (See Swangren, Edwin V., assignor.)

Denkert, James R., Johnstown, assignor to H & D Folsom Arms Co., New York, N. Y. Pistol holster. 1,851,352; Mar. 29.

Denman, George E., Oakland, Calif. Gas lift pump. 1,861,843; June 7.

Denman, Harry B., Pontiac, Mich. Brake lining. 1,851,087; Mar. 29.

Dennead, Percy T., Akron, Ohio. Match making machine. 1,880,342; Oct. 4.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Expansible tire core. 1,840,489; Jan. 12.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Vulcanizing heater. 1,840,490; Jan. 12.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Watchcase heater. 1,840,569; Jan. 12.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Process and apparatus for the manufacture of pneumatic tires. 1,849,138; Mar. 15.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire pressure indicator system. 1,849,139; Mar. 15.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Rubber mixing mill. 1,850,450; Mar. 22.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Rubber stock fabricating machine. 1,862,334; June 7.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Inner tube for pneumatic tires and apparatus for the manufacture thereof. 1,866,628; July 12.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Watchcase heater. 1,871,118; Aug. 9.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Fabric measuring and cutting device for bead dipper machines. 1,871,119; Aug. 9.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for and method of vulcanizing tire casings and inner tubes. 1,871,120; Aug. 9.

Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Watchcase heater. 1,871,160; Aug. 9.

Denne, Walter W. F. (See Quick, C. G., and Denne.)

Denney, James H., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 1,883,607; Oct. 18.

Denney, Fred, Olympia, Wash. Exercising apparatus. 1,872,256; Aug. 16.

Denney, James M. (See Jockers, Harry W., assignor.)

Denney, John M. Depew, Okla. Automatic clutch mechanism. 1,850,996; Mar. 29.

Dennie, Harry E., Chicago, Ill. Well casing protector. 1,889,959; Nov. 29.

Dennie, Harry E., Chicago, Ill. Well casing protector. 1,889,960; Nov. 29.

Denning, J. Wayne, Joliet, Ill. Slat fence machine. 1,842,013; Jan. 19.

Denning, Patrick F., Cleveland, Ohio. Combined hat and ticket holder. 1,842,826; Jan. 26.

Denning, Patrick F., Cleveland, Ohio. Electric circuit controller. 1,847,821; Mar. 1.

Denning, Paul S., assignor to Frederic E. Schundler, Joliet, Ill. Coloring granular and other material. 1,876,629; Sept. 13.

Denning, Paul S., assignor to Frederic E. Schundler, Joliet, Ill. Coloring granular and other material. 1,876,630; Sept. 13.

Dennis, Alfred A., Grand Rapids, Mich. Veneer jointer. 1,853,554; Apr. 12.

Dennis, John W., assignor to Veneer Machinery Company, Grand Rapids, Mich. Veneer joint gluer. 1,874,251; Aug. 30.

Dennis, Arthur W., Jacksonville, Fla. Marking apparatus. 1,890,371; Dec. 6.

Dennis, Charles, Jackson, Mich., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rake. 1,876,924; Sept. 27.

Dennis, Charles, Jackson, Mich., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rake. 1,925; Sept. 27.

Dennis, Clarence R., Los Angeles, and P. G. Briney, Torrance, Calif. Lineman's protector. 1,866,881; July 12.

Dennis, George L., Washington, D. C. Table. 1,839,536; Jan. 5.

Dennis, John R., Providence, R. I. Merchandising package. 1,862,335; June 7.

Dennis, John W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Apparatus for drying hosiery and the like. 1,848,050; Mar. 1.

Dennis, John W., assignor to The Philadelphia Drying Machine Company, Philadelphia, Pa. Form for drying hosiery and the like. 1,876,631; Sept. 13.

Dennis, John W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Form for shaping and drying hosiery and the like. 1,876,632; Sept. 13.

Dennis, John W., assignor to The Philadelphia Drying Machine Company, Philadelphia, Pa. Form for shaping and drying hosiery and the like. 1,883,883; Oct. 25.

Dennis, Welcome C., Oakland, Calif. Ship governor. 1,851,897; Mar. 29.

Dennis, William, Shoreham, Vt. Brush. 1,860,277; May 24.

Dennis, William J., Iowa City, Iowa. Vermifuge and insecticide. 1,818,667; Aug. 25.

Dennis, William J., Des Moines, Iowa. Book stand. 1,840,620; Jan. 12.

Dennis, William J., Chicago, Ill. Automatic door draft stop. 1,853,338; Apr. 12.

Dennis, William J., Chicago, Ill. Screen molding bead. 1,853,339; Apr. 12.

Dennis, William J., Chicago, Ill. Metal weatherstrip. 1,865,746; July 5.

Dennis, William J., Chicago, Ill. Weather strip. 1,883,608; Oct. 18.

Dennis, William J., Chicago, Ill. Gasket. 1,883,609; Oct. 18.

Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating unit. 1,849,793; Mar. 15.

Dennison, Herbert J. S. (See Posgate, James L., assignor.)

Dennison Manufacturing Company. (See Alden, Gardner R., assignor.)

Dennison Manufacturing Company. (See Alden, G. R., and Nelson, Augustus, assignors.)

Dennison Manufacturing Company. (See Brooks, Ernest E., assignor.)

Dennison Manufacturing Company. (See Flood, Carl A., assignor.)

Dennison Manufacturing Company. (See Kallander, E. L., and Charles.)

Dennison Manufacturing Company. (See Maish, Ralph A., assignor.)

Dennison Manufacturing Company. (See McGovern, Henry P., assignor.)

Denniss, Alfred J., Chingford, and W. Dockree, Leyton, London, assignors to The Heighton-Butcher Manufacturing Company Limited, London, England. Combined shutter and film winding mechanism for photographic cameras. 1,839,953; Jan. 5.

Denny, Joseph G., Jr. (See Bronander, Wilhelm B., assignor.)

Denny, William P., assignor of one-half to L. C. Christian, Houston, Tex. Combined elevator and water seal. 1,863,335; June 21.

De Nooy, John A., Pella, Iowa. Scraper attachment for tractors. 1,882,244; Oct. 11.

Densiow, Albert C., New York, assignor to Staten Island Shipbuilding Co., Staten Island, N. Y. Cooling device for photographic apparatus. 1,891,917; Dec. 27.

Densiow, Henry C., Brooklyn, N. Y. Moving curtain machine for educational and advertising purposes. 1,897,803; Nov. 15.

Densmore, Albert A., Boston, Mass., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Power transmission mechanism. 1,883,342; Oct. 18.

Dent, Gratz, Savannah, Ga. Vehicle headlight. 1,848,326; Mar. 8.

Dent Hardware Company, The. (See Schrader, Thomas O., assignor.)

Den Tino, Michael. (See Cargill, Louis H., assignor.)

Dentler, Arnold E., assignor to W. H. Miner, Inc., Chicago, Ill. Meat rack for refrigerator cars. 1,856,472; May 3.

Denton, Daniel M., San Diego, Calif. Forming roofing tile. 1,880,872; Oct. 4.

Denton, Danual D., Mereta, Tex. Gate. 1,847,822; Mar. 1.

Denton, Joe K., and J. G. Lancaster, Maryville, Tenn. Tape writer attachment for typewriting machines. 1,877,401; Nov. 8.

De Nure, Walter B., et al. (See Sjoberg, Leo J., assignor.)

Denver Equipment Co. (See Daman, A. C., and Logue, assignors.)

Denver Fire Clay Company, The. (See Butz, Charles H., assignor.)

Denyer, Walter, Chatswood, Sydney, New South Wales, Australia. Gauge for cutting timber. 1,855,945; Apr. 26.

Denyes, Harry M. (See Kull, W. A., and Denyes.)

Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Steering mechanism. 1,843,081. Jan. 26.

Denzler, Felix F., Pomona, Calif. Automatic fire and burglar alarm system. 1,867,500; July 12.

De Orlow, Stephen. (See Hargraves, S. S., De Orlow, and Wilford.)

De Paniagua, Ysabel M.-L., Paris, France. Iron clad relay magnet. 1,861,196; June 14.

De Pape, Ferdinand, Uccle, assignor to La Soudure Electrique Autogène S. A., Brussels, Belgium. Saline coatings and making the same. 1,888,453; Nov. 22.

De Pasquale, Dominick, and J. L. Howard, Mount Vernon, N. Y. Sterilizer and hot liquid extractor. 1,877,392; Sept. 13.

De Penning, John C., Portland, Oreg. Swing. 1,888,587; Nov. 22.

De Pew, Chester C., Keyport, N. J., assignor to Aeromarine Plane & Motor Company, Inc. Variable speed transmission. 1,847,553; Mar. 1.

De Pew, Chester C., Keyport, N. J., assignor to Whirlpool Incorporated. Whirlpool game device. 1,877,230; Sept. 13.

Depew, Richard H., Jr., Forest Hills, N. Y., assignor, by mesne assignments, to The Aviation Patent and Research Corporation. Airplane wheel brake operating means. 1,858,393; May 17.

Depew, William P. (See Nuss, Alfred, assignor.)

Depperman, Frederick A., Rivervale, N. J. Film hanger. 1,859,131; May 17.

Deppmeyer, Otto, Utica, N. Y. Pocket knife. 1,841,241; Jan. 12.

De Pree, Edward J., and G. J. Van Zoeren, Holland, Mich. Filtration. 1,843,212; Jan. 26.

De Pree, Lee. (See Hunter, R. M., Stewart, Houser, and De Pree.)

De Quesada, Alfonso S., Habana, Cuba. Prophylactic device for telephone apparatus. 1,840,160; Jan. 5.

De Quincy, Augusta M., and F. Johnson, Inglewood, Calif. Powder spray. 1,854,456; Apr. 19.

De Rachat, Nicholas G., assignor to Universal Oil Products Company, Chicago, Ill. Furnace. 1,857,364; May 10.

De Ram, Georges H. E., Boulogne sur Seine, France. Leakless joint for rotating shafts. 1,891,706; Dec. 20.

Der Bruck, Gerhard V. (See Nicolai, F., Schoenburg, and der Bruck.)

Derby, Charles H., Milrose, assignor, by mesne assignments, to Union Sandpaper Company, Boston, Mass. Machine for flexing sheet abrasives. 1,854,021; Apr. 12.

Derby, Elmer R., Springfield, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Extruding plastics. 1,845,249; Feb. 16.

Derby, Ira H., assignor to P. C. Reilly, Indianapolis, Ind. Retort. 1,870,901; Aug. 9.

Derby, Ira H., assignor to Peter C. Reilly, Indianapolis, Ind. Induction process of graphitizing carbon. 1,884,600; Oct. 25.

Derby, Ira H., and O. D. Cunningham, assignors to Peter C. Reilly, Indianapolis, Ind. Ore flotation. 1,873,115; Aug. 23.

Derby, John H., Scarsdale, assignor to American Fire Prevention Bureau, New York, N. Y. Temperature responsive device. 1,868,136; July 19.

Derby, John H., Scarsdale, N. Y., and H. G. Leach, Red Bank, N. J., assignors to American Fire Prevention Bureau, New York, N. Y. Relay. 1,863,836; June 21.

Derby, Raymond. (See Dierking, H., and Derby.)

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Wire connection and making same. 1,888,850; Nov. 22.

De Reamer, William J., Crown Point, Ind. Package for frozen goods. 1,864,545; Feb. 23.

De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Apparatus for stacking and bunching articles. 1,848,004; Mar. 1.

De Regnauld de Bellescize, Henri J. J. M., assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Receiving apparatus. 1,872,634; Aug. 16.

De Remer, J. G., Research Corporation. (See De Remer, Jay G., assignor.)

De Remer, Jay G., Greenwich, Conn., assignor, by mesne assignments, to J. G. De Remer Research Corporation, Jersey City, N. J. Artificial refrigeration. 1,861,957; June 7.

De Remer, Jay G., Greenwich, Conn., assignor, by mesne assignments, to J. G. De Remer Research Corporation, Jersey City, N. J. Liquid-piston type compressor system. 1,880,241; Oct. 4.

Derflinger, Camillo, et al. (See Balthasar, Karl, assignor.)

De Ridder, Cornelius. (See Solliday, F. K., and De Ridder.)

De Ridder, E., and H. Altwicker, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Drawing hollow articles. 1,867,537; July 12.

De Rienzo, Frank, and R. Muzzipapa, Summit, N. J. Radiator dustguard. 1,869,548; Aug. 2.

De Right, Elon J., St. Louis, Mo. Cable splicing tool. 1,847,473; Mar. 1.

Dermatoid-Werke Paul Meissner, Aktien-Gesellschaft. (See Meissner, Adolf, assignor.)

De Rohden, Charles, Baltimore, Md., assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Production of titanium pigments. 1,846,188; Feb. 23.

De Rohden, Charles, Baltimore, Md., assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Production of titanium pigments. 1,885,187; Nov. 1.

De Rose, Troilo, New York, N. Y. Sleeping car. 1,850,730; May 24.

Derr, Ralph B. (See Barnitt, J. B., and Derr.)

Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh. Recovery of metal from coated metal foils. 1,869,844; Aug. 2.

Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh. Recovery of metal from coated metal foils. 1,869,886; Aug. 2.

Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Treating water. 1,870,404; Aug. 9.

Derriey, Lizzie, New York, N. Y. Textile fabric or the like. Des. 88,505; Dec. 6.

Derriey, Lizzie, New York, N. Y. Textile fabric or the like. Des. 88,705; Dec. 20.

Derriey, Lizzie, New York, N. Y. Textile fabric or the like. Des. 88,760; Dec. 27.

Derrill, Robert A., Little Silver, N. J. Garment hanger. 1,868,197; July 19.

Derry, Gardner C., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Heat transfer apparatus. 1,883,769; Oct. 18.

Derry, Jasper, Medford, assignor to Andrew Terkelsen, Newton, Mass. Press. 1,870,873; Oct. 4.

Derry, Jasper, Medford, assignor to Andrew Terkelsen, Newton, Mass. Press. 1,880,874; Oct. 4.

Derry, William R., Augusta, Ga. Invalid's bed. 1,890,177; Dec. 6.

Derryberry, Romulus L., and J. E. Johnson, Stone, Ky. Brake testing apparatus. 1,872,073; Aug. 16.

De Saint Hubert, Albert, Brussels, Belgium. Device for distributing the charge in an oven. 1,887,292; Nov. 8.

De Saivre, Maurice, Paris, France. Radio-communication system. 1,856,576; May 3.

Desamais, Louis M. (See Benson, W. J., and Desamais.)

De Sana, Arthur J. (See Simpson, E. G., De Sana, and Flynn.)

De Sanno, Frederick L. (See Maynard, B. B., and de Sanno.)

Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Machine for testing plastics. 1,846,048; Feb. 23.

Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Gum strip applier for tire building machines. 1,859,330; May 24.

Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building apparatus. 1,876,623; Sept. 13.

Desautels, Joseph R., Salisbury, Vt. Automatically adjustable airplane propeller. 1,876,634; Sept. 13.

Desbribre, Fernand L., Marseille, France. Vibrating film for acoustic devices. 1,856,749; May 3.

Deschamps, Eleanor M., ancillary executrix. (See Deschamps, Roger P.)

Deschamps, Jules J., Paris, assignor to Societe Francaise de Constructions Mecaniques, Anciens Etablissements Cail, Denain, Nord, France. Ball mill. 1,859,499; May 24.

Deschamps, Roger P., deceased, Brussels, Belgium, E. M. Deschamps, New York, N. Y., ancillary executrix. Universal joint. 1,863,365; June 14.

De Schébéko, Alex, Chicago, Ill. Tool. 1,854,116; Apr. 12.

De Schebeko, Alex, Chicago, Ill. Wrench. 1,870,612; Aug. 9.

Desenis, Max, and A. Nielsen, assignors to The New-York Hamburger Gummiwaren Compagnie, Hamburg, Germany. Chlorination of rubber. 1,852,043; Apr. 5.

Desenis, Max, and Andreas Nielsen, assignor to New-York Hamburger Gummiwaaren Compagnie, Hamburg, Germany. Coating material. 1,890,723; Dec. 13.

Design Laboratories, Incorporated. (See Favreau, Walter, assignor.)

Design Laboratories, Incorporated. (See Wilson, E. B., and Ressetar, assignors.)

Desimone, Anthony J. (See Koretzky, H., Horowtiz, and Desimone.)

De Simone, Michele G., Stapleton, assignor to G. B. Agnew, New York, N. Y. Calculating machine. 1,887,258; Nov. 8.

De Simone, Michele G., Stapleton, N. Y. Variable oscillation condenser. Re13,405; Apr. 5.

De Simone, Michele G., Stapleton, assignor to G. B. Agnew New York, N. Y. Calculating machine. 1,887,259; Nov. 8.

Desiretto, Narciso, Genoa-Rivarolo, Italy. Optical device for resolving and combining light rays. 1,858,361; May 17.

Desker Chair Sales Corporation. (See Rich, Willis D., assignor.)

Desmet, John P., assignor to E. R. Hawke, Modesto, Calif. Airplane spray device. 1,892,139; Dec. 27.

De Smet, Lievin L., Hawthorne, N. J. Grinding machine. 1,863,538; June 14.

Desmond, Daniel, and N. M. Baker, assignors to American Optical Company, Southbridge, Mass. Eye examining instrument. 1,852,837; Apr. 5.

Desmond, James J., South Norwalk, Conn. Hat. 1,865,240; June 28.

Desmond, John D., Milwaukee, Wis. Water heater. 1,887,196; Nov. 8.

Desmond–Stephan Mfg. Co., The. (See Dovell, H. H., McConnell, and Henz.)

Desmond-Stephan Mfg. Co., The. (See McConnell, Robert S.)

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wiring apparatus. 1,875,224; Aug. 30.

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lock switch. 1,875,225; Aug. 30.

Desper, Ernest W., Worcester, Mass. Cigarette. 1,879,128; Sept. 27.

Despret, Georges P., Paris, assignor to Compagnies Reunies Des Glaces Et Verres Speciaux Du Nord de la France, Boussois-Sur-Sambre, France. Process and plant for the casting of rough plate glass. 1,856,278; May 3.

Desreumaux, Jules, Calais, France. Lace. Des. 86,356; Mar. 1.

Des Roches, Philip W., Detroit, Mich. Oil seal joint for compressor units. 1,892,332; Dec. 27.

Des Rosiers, John B., Providence, R. I. Sectional tire and vehicle wheel therefor. 1,845,583; Feb. 16.

Dessaint, Georges, Paris, France. Jack attached to the axles of vehicles. 1,873,116; Aug. 23.

Dessauer, Norman, assignor to The International Seal & Knot Protector Co., New York, N. Y. Seal. 1,863,041; June 14.

Dessell, Hermann L., Philadelphia, Pa. Razor blade holder. 1,860,454; May 31.

Destrée, Joseph, Brussels, Belgium. Automatic firearm with gas extraction. 1,846,993; Feb. 23.

De Stubner, Emile C., Rochester, N. Y. Pigments and making same. 1,866,017; July 5.

Detachable Bit Corporation of America. (See Rea, Walter C., assignor.)

De Tar, Donald R., Schenectady, N. Y., assignor to General Electric Company. Inductance coil. 1,860,176; May 24.

Determann, George B., Louisville, Ky. Metal door. 1,844,817; Feb. 9.

De Terra, Maximilian, Zurich, Switzerland. Stomatoscope for dentists. 1,843,067; Jan. 26.

De Testa, Theodorus M. E. B., The Hague, Netherlands. Cinematographic photographing apparatus. 1,840,227; Jan. 5.

Detilloux, Francois, Brussels, Belgium. Brake. 1,866,755; July 12.

Detrick, Forrest R., Worthington, Ohio. Road scraper. 1,870,673; Aug. 9.

Detrick, M. H., Company. (See Ellman, Louis, assignor.)

Detrick, M. H., Company. (See Foltz, Raymond D., assignor.)

Detrick, M. H., Company. (See Hosbein, Louis H., assignor.)
Detrick, M. H., Company. (See Moreau, Pierre L. A., assignor.)
Detrick, M. H., Company. (See Sheahan, Frank I., assignor.)
Detroit Aluminum & Brass Company. (See Fobert, Phillip J., assignor.)
Detroit Aluminum & Brass Company. (See Fobert, P. J., and Hamarne, assignors.)
Detroit Body Die Company. (See Purdy, Emmett G., assignor.)
Detroit Lapping Bar Company. (See Giers, James B., assignor.)
Detroit Cord Manufacturing Company. (See Tannewitz, Edward F., assignor.)
Detroit Dental Manufacturing Company. (See Kerr, Robert M., assignor.)
Detroit Electric Furnace Company. (See Crosby, E. L., and Rhoads, assignors.)
Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)
Detroit Gasket & Manufacturing Company. (See Tannewitz, Edward F., assignor.)
Detroit Gear & Machine Company. (See Mapson, Robert L., assignor.)
Detroit Gear & Machine Company. (See Morley, H., Buchanan, and Sickelsteel, assignors.)
Detroit Harvester Company. (See Horste, Joseph E., assignor.)
Detroit Hoist and Machine Co. (See Martin, Henry F., assignor.)
Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Detroit Lubricator Company. (See Duffield, George B., assignor.)
Detroit Lubricator Company. (See Russel, Philip S., assignor.)
Detroit Lubricator Company. (See Norris, Harry B., assignor.)
Detroit Lubricator Company. (See Vaughan, Henry P., assignor.)
Detroit Lubricator Company. (See von Wangenheim, A., and Griffe, assignors.)
Detroit Lubricator Company. (See Weber, Walter H., assignor.)
Detroit Michigan Stove Company. (See Maul, Henry C., assignor.)
Detroit and Security Trust Co., executor. (See Johnson, Charles L., assignor.)
Detroit Steel Products Company. (See Badger, Floyd E., assignor.)
Detroit Steel Products Company. (See Kelly, Clyde W., assignor.)
Detroit Steel Products Company. (See Loucks, James F., assignor.)
Detroit Steel Products Company. (See McLoughlin, Joseph N., assignor.)
Detroit Steel Products Company. (See Robinson, Claude A., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Detroit Trust Company et al., executors. (See Boyer, Joseph.)
Detroit Trust Company. (See Fehr, Roy B., assignor.)
Detroit Trust Company, et al., executors. (See Horton, Allen A.)
Detroit Trust Company. (See Williams, James H., assignor.)
Detroit Vapor Stove Company. (See Giles, Oscar H., assignor.)
Detroit Vapor Stove Company, The. (See Kisselle, John M., assignor.)
Detroit Vapor Stove Company, The. (See Sherman, Alvin G., assignor.)
Dettelbach, Edward E., Los Angeles, Calif. Orthopedic device. 1,856,377; May 3.
Dettenborn, Paul, Berlin-Friedenau, Germany, assignor to General Electric Company. Elastic fluid power plant. 1,889,060; Nov. 29.
Dettling, Joseph J., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire spreader. 1,840,034; Mar. 8.
De Tuck, Jeremiah A., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding machine. 1,874,038; Aug. 30.
De Tuck, Jeremiah A., La Grange, and E. D. Hanson, Westmont, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 1,871,406; Aug. 9.
Detwiler, Forest V., Chicago, Ill. Heat distributor plate. 1,864,715; June 28.
Deubel, Erich, Brooklyn, N. Y. Releasing objects to be dropped from aircraft. 1,891,635; Dec. 20.
Deubler, Lewis T., Scranton, Pa. Canopy fastener. 1,885,514; Nov. 1.
Deubner, Henry F., Detroit, Mich. Jamb bead. 1,886,653; Nov. 8.
Deutsch-Atlantische Telegraphengesellschaft. (See Scharnow, Bernhard, assignor.)
Deutsch, Fritz, Memphis, Tenn. Piston ring expander. 1,844,214; Feb. 9.
Deutsch, Fritz, Memphis, Tenn., assignor, by mesne assignments, to Sparta Foundry Company, Sparta, Mich. Ring splitting machine. 1,880,875; Oct. 4.
Deutsch, Fritz, Memphis, Tenn., assignor, by mesne assignments, to Sparta Foundry Company, Sparta, Mich. Arbor for ring splitting machines. 1,885,188; Nov. 1.
Deutsch, Fritz, Germantown, Tenn., assignor of one-third to Lehmann Machine Company, St. Louis, Mo. Ring grinding machine. 1,878,116; Sept. 20.
Deutsch, Hans. (See Friedmann, L., and Deutsch.)
Deutsch, Hans. (See Herrmann, W. O., and Deutsch.)
Deutsch, Hans, assignor to Alex. Friedmann, Vienna, Austria. Arrangement for starting and stopping exhaust steam injectors. 1,858,325; May 17.
Deutsch, John, New York, N. Y., assignor to The Allen-Sherman-Hoff Company. Disposal of furnace residues. 1,866,756; July 12.
Deutsch, Leo. (See Hoddy, G. W., and Deutsch.)
Deutsch, Leo. (See Townsend, W. S., and Deutsch.)
Deutsch, Rudolph. (See Folkman, Morris, assignor.)
Deutsch, Siegfried, assignor to I. Mautner, Vienna, Austria. Radiator. 1,840,573; May 31.
Deutsch, Simon. (See Morris, Simon, assignor.)
Deutsch, Simon, assignor, by mesne assignments, to The Electric Sprayit Company, South Bend, Ind. Spraying device. 1,864,188; June 21.
Deutsch, William, Detroit, Mich. Combination shaving set. 1,846,091; Feb. 23.
Deutsch, William, Detroit, Mich. Demountable safety razor. 1,878,269; Sept. 20.
Deutsche Babcock- und Wilcox-Dampfkessel-Werke A. G. (See Kolbohm, Ernst, assignor.)
Deutsche Celluloid-Fabrik. (See Weihe, Adolf, assignor.)
Deutsche Celluloid-Fabrik. (See Weihe, A., Leuchs, and Dörr, assignors.)
Deutsche Edelstahlwerke A. G. (See Pölzguter, Franz, assignor.)
Deutsche Elektrizitätswerke zu Aachen Garbe, Lahmeyer & Co. Aktiengesellschaft. (See Schmid-Burgk, W., and Nehlsen, assignors.)
Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Wollin, K., Smolczyk, and Engelhard, assignors.)
Deutsche Gasglühlicht-Auer-Gesellschaft m. b. H. (See Kaiser, Wilhelm, assignor.)
Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Lindemann, Erich, assignor.)
Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Müller, Ulrich, assignor.)
Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Tamm, Wilhelm, assignor.)
Deutsche Gasglühlicht-Auer-Gesellschaft m. b. H. (See Meyer, Hans, assignor.)
Deutsche Gasglühlicht-Auer-Gesellschaft m. b. H. (See Wolf, M., and Marx, assignors.)
Deutsche Glühfadenfabrik Ries-Kurtz & Dr. Ing. Paul Schwarzkopf G. m. b. H. (See Löwit, Rudolf, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Begerow, O., and Fuchs, assignors.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Bromig, Karl, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Gorhan, Adolf, assignor.)
Deutsche Gold & Silber-Scheideanstalt vormals Roessler. (See Hupe, Richard, assignor.)
Deutsche Gold- und Silber-Scheide Anstalt vormals Roessler. (See Kloepfer, Harry, assignor.)
Deutsche Gold & Silber Scheideanstalt, vormals Roessler. (See Lehrecke, Alfred, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Varga, Josef, assignor.)
Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Vieweg, Karl, assignor.)
Deutsche Maschinenfabrik Aktiengesellschaft. (See Billmann, Peter, assignor.)
Deutsche Schiff- und Maschinenbau Aktiengesellschaft. (See Bauer, Gustav, assignor.)
Deutsche Schiff- und Maschinenbau Aktiengesellschaft. (See Schmieske, Carl, assignor.)
Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft. (See Wilke, Kurt, assignor.)
Deutsche Versuchsanstalt fur Luftfahrt, E. V. (See Seewald, F., and Ebert, assignors.)
Deutsche Wollen-Waren-Manufaktur Aktiengesellschaft. (See Brauckmeyer, Rudolf, assignor.)
Deutscher, William F., New York, N. Y. Aeroplane construction. 1,876,635; Sept. 13.
Deval, Jacques. (See Bourdon, J. D. (Deval), and Digeon.)
De Vaulchier, Simon, New York, N. Y., assignor to Chamberlain Laboratories, Inc., Des Moines, Iowa. Bottle. Des. 88,690; Dec. 13.
Devecis, Michael, Budapest, Hungary, assignor to Societe Anonyme Waldberg, Paris, France. Apparatus for the electrolytic deposition of metals. 1,873,826; Aug. 23.
Devendor, John A., and W. A. Devendor, Jackson Heights, N. Y., Burton, 1,871,662; Sept. 6.
Devendor, William A. (See Devendor, John A., and W. A.)
Dever, Roger J., Wilkes-Barre, Pa. Humidifier. 1,867,064; July 12.
De Verdier, Bror H. O., Fredriksberg, Sweden. Connecting one or several soda melting-furnaces to a rotating furnace. 1,851,814; Mar. 29.
Devereaux, William C., Detroit, Mich. Door lock handle anchoring means. 1,864,342; June 21.
Devereaux, William C., Detroit, Mich. Door latch mechanism. 1,883,610; Oct. 18.

Devereaux, William C., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Door latch. 1,843,015; Jan. 26.

Devereaux, William C., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Remote control mechanism for door latches. 1,850,876; Oct. 4.

Devereux, Arthur M., Castine, Me. Washboard road harrow. 1,861,494; June 7.

Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Method and apparatus for fusing silica and the like. 1,862,358; June 7.

Devers, Philip K., Lynn, and I. F. Hooper, Saugus, Mass., assignors to General Electric Company. Spark plug. 1,869,133; July 26.

De Vilbiss Company, The. (See Custer, Fred, assignor.)

De Vilbiss Company, The. (See Mutschel, Oscar J., assignor.)

De Vilbiss Company, The. (See Perrin, James E., assignor.)

DeVilbiss Company, The. (See Schilpf, Albert F., assignor.)

De Vilbiss Company, The. (See Schmitt, Joy B., assignor.)

DeVilbiss Company, The. (See Tracy, Robert W., assignor.)

De Vilbiss Company, The. (See Whitmore, Edson G., assignor.)

De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)

DeVille, Edward J., Dayton, Ohio, assignor to The Permutit Company, New York, N. Y. Water softening apparatus. 1,875,705; Aug. 23.

DeVille, Edward J., Dayton, Ohio, assignor to The Permutit Company, New York, N. Y. Water softening apparatus and multiway valve for same. 1,873,306; Aug. 23.

Deville, Etienne S. C., assignor to Societe des Etablissements Gaumont, Paris, France. Cinematographic projecting system with continuous travel of the film. 1,842,259; Jan. 19.

DeVilliers, Peter G. T., Pretoria, Transvaal, assignor of one-half to Messrs. Roger-Jenkins & Co. (Pty.) Ltd., Durban, Natal, and Johannesburg, South Africa. Automatic telephone call box. 1,878,762; Sept. 20.

Devine, James H., Champaign, Ill. Lunch box. 1,858,294; May 17.

Devine, John U., Struthers, Ohio. Method of and machine for upsetting the ends of pipe. 1,868,094; July 19.

De Vinney, Floyd W., assignor to The Foote Company, Inc., Nelsonville, Ohio. Mixing measuring tank for concrete pavers. 1,879,129; Sept. 27.

Devitt, Glen N., Turlock, Calif. Chicken trough. 1,851,172; Apr. 12.

De Vlieg, Charles B., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,867,616; July 19.

DeVlieg, Gerard A., Rockford, Ill. Tool holder. 1,858,611; Oct. 4.

DeVlieg, Gerard A., Rockford, Ill. Grinding machine. 1,853,612; Oct. 18.

Devlin, Arthur V., Cascade, Iowa. Gasoline price computing chart. 1,842,662; Jan. 26.

Devlin, Henry W., Denver, Colo. Key cutting machine. 1,853,002; Oct. 25.

Devlin, Paul. (See Young, R. S., and Devlin.)

Devol, Lee, Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Voltage regulating apparatus. 1,853,637; Oct. 18.

DeVore, Francis E., Washington, D. C., assignor to Aluminum Company of America, Pittsburgh, Pa. Bearing. 1,869,412; Aug. 2.

De Vos, Peter, Grand Rapids, Mich. Rotary sprinkler. 1,866,344; July 12.

De Vou, James L., Pittsburgh, Pa. Piling construction. 1,858,918; May 17.

De Vou, James L., Pittsburgh, Pa. Erecting bridges. 1,858,830; July 26.

De Vore, Jesse C., and R. W. Regensburger, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Chill roll. 1,866,509; July 5.

De Voy, Jean J., Compton, and R. V. De Voy, Los Angeles, Calif. Mechanical signal device. 1,847,474; Mar. 1.

De Voy, Roy V. (See De Voy, J. J. and R. V.)

De Vraudt, Charles, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,863,330; June 14.

De Vries. (See Hoffmeister, Hanna-Gerda.)

De Vries, Fenno E., Evanston, Ill., assignor to Crane Packing Company. Packing and composition. 1,866,757; July 12.

De Vries, Fenno E., Evanston, Ill., assignor to Crane Packing Company. Packing and composition. 1,866,758; July 12.

DeVries, Louis, Streator, Ill. Washing machine. 1,876,210 Sept. 6.

De Vrieze, Harry. (See Bianchi, D., and De Vrieze.)

De Wael, Robert, Brussels, Belgium. Device for bookkeeping without re-entries. 1,841,014; Jan. 12.

De Wagenaere, Edward. (See Balch, L. W., and De Wagenaere.)

De Wagner, Maggy B., Paris, France, assignor to Lentheric, Incorporated, New York, N. Y. Bottle. Des. 86,013; Jan. 19.

De Walde, Hal, Portland, Oreg. Variable motion transmission. 1,844,116; Feb. 9.

Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Coiling machine and method of winding coils. 1,878,233; Sept. 20.

De Walt, Kenneth C., Schenectady, N. Y., assignor to General Electric Company. Electron discharge apparatus. 1,889,595; Nov. 29.

De Walt Products Corporation. (See Haas, Joseph F., assignor.)

De Walt Products Corporation. (See Knapp, Walter, assignor.)

Dewandre, Albert, Liege, Belgium. Electrical control for servo-motors. 1,878,822; Sept. 20.

Dewandre, Albert, Liege, Belgium. Fluid braking mechanism. 1,879,892; Sept. 27.

Dewandre, Albert, Brussels, assignor to Servo-Frein Dewandre Societe Anonyme, Liege, Belgium. Servo brake. 1,839,954; Jan. 5.

Dewandre, Albert, assignor to Servo-Frein Dewandre Societe Anonyme, Liege, Belgium. Motor brake. 1,846,317; Feb. 23.

Dewandre, Albert, assignor to Servo Frein Dewandre, Societe Anonyme, Liege, Belgium. Servo-brake. 1,869,956; Aug. 2.

Dewandre, Albert, assignor to Servo-Frein Dewandre, Societe Anonyme, Liege, Belgium. Power steering gear. 1,875,226; Aug. 30.

Dewar, Charles E., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 1,840,437; Jan. 12.

Dewar, Duncan G. (See Kreimer, J., and Dewar.)

De Weerd, Albert, assignor of one-eighth to J. S. Cruger, Roosevelt, N. Y. Wind indicator for landing fields. 1,843,016; Jan. 26.

De Weese, Bernard D., assignor to Stinson Aircraft Corporation, Wayne, Mich. Emblem. Des. 87,431; July 26.

De Wein, George E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve packing. 1,844,641; Feb. 9.

Dewend, William D., South Bend, Ind., assignor to Oliver Farm Equipment Company. (Disk harrow scraper. 1,873,307; Aug. 23.

Dewett, Thomas B., Fort Worth, Tex. Boat. 1,844,924; Feb. 9.

Dewey and Almy Chemical Company. (See Carey, Charles A., assignor.)

Dewey and Almy Chemical Company. (See Egan, C. H., and Dewey, assignors.)

Dewey and Almy Chemical Company. (See Johnson, Carl, and Dewey, assignors.)

Dewey and Almy Chemical Company. (See Shanklin, Dunbar L., assignor.)

Dewey and Almy Chemical Company. (See Wescott, William B., assignor.)

Dewey, Bradley. (See Egan, C. H., and Dewey.)

Dewey, Bradley. (See Johnson, C. W., and Dewey.)

Dewey, Clarence L., Elkhart, Ind., assignor to Outing Manufacturing Company. Tackle box. 1,858,539; May 17.

Dewey, Franklin H. (See Wood, P. S., and Dewey.)

Dewhirst, Cora G., Payson, Ill. Chart. 1,858,140; May 10.

Dewhurst, Frank, Westwood Works, assignor to Baker Perkins, Limited, Peterborough, England. Laundry rinsing and like machine. 1,851,815; Mar. 29.

Dewhurst, Wallace W. (See Jones, N. R., and Dewhurst.)

De Wit, Leonard, Chicago, assignor to Moore Bros., Joliet, Ill. Gas or electric range or analogous article. Des. 88,506; Dec. 6.

De Wit, Leonard, Chicago, assignor to Moore Brothers Company, Joliet, Ill. Circulating heater. Des. 87,148; June 14.

De Wit, Leonard, Chicago, Ill. Gas or electric range or analogous article. Des. 88,507; Dec. 6.

De Wit, Leonard, Chicago, Ill. Statuette or analogous article. Des. 87,827; Sept. 27.

De Witt, Arthur R., assignor of one-half to C. L. Wright, Harbor Springs, Mich. Plank fitter tool. 1,885,087; Oct. 25.

De Witt, Charles W., Oakland, Calif. Detachable drill bit. 1,884,601; Oct. 25.

De Witt, Clinton, San Francisco, Calif. Joint for connecting tubular sections of poles and the like. 1,870,771; Aug. 9.

De Witt, Clinton, Berkeley, assignor to Taper Tube Pole Co., San Francisco, Calif. Steel pole. 1,870,770; Aug. 9.

DeWitt, Clyde C., Houghton, Mich. Coating particles. 1,883,614; Oct. 18.

De Witt, Homer P., Los Angeles, Calif. Drinking fountain. Des. 86,597; Mar. 29.

De Witt, Jennings K., New York, N. Y. Parachute opening device. 1,864,298; June 21.

De Witt, William H., assignor of one-half to J. Glenn Marks, Los Angeles, Calif. Fire control for film utilizing machines. 1,890,804; Dec. 13.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,839,204; Jan. 5.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Expansible shoe form. 1,847,296; Mar. 1.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,853,801; Apr. 12.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,856,750; May 3.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,861,657; June 7.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,866,018; July 5.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,870,839; Aug. 9.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Display device. 1,872,074; Aug. 16.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,874,923; Aug. 30.
DeWitt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Expansible toe form. 1,874,924; Aug. 30.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Side form. 1,889,887; Dec. 6.
DeWitt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Box. 1,891,801; Dec. 20.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,891,900; Dec. 27.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Pediform article. 1,892,300; Dec. 27.
De Witt, William J., R. E. Pierce, and A. Hommel, assignors to Dun Deer Sandals, Inc., Auburn, N. Y. Method and apparatus for making shoe soles. 1,843,753; Feb 2.
De Witte, Charles, Brussels, Belgium. Apparatus for treating textile materials. 1,857,839; May 10.
Dewitz, Helen J. (See Dewitz, Paul W. H.)
Dewitz, Paul W. H., Kansas City, Mo.; H. J. Dewitz, widow of said Paul W. H. Dewitz, deceased, assignor, by mesne assignments, to Florence Blanford, Kansas City, Mo. Vending machine. 1,841,365; Jan. 19.
De Wolf, Roger D., Rochester, N. Y. Combustion chamber and draft system therefor. 1,863,397; June 14.
Dews, Joseph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Slide fastener. 1,880,317; Oct. 4.
Dews, Joseph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap fastener. 1,885,806; Nov. 1.
Dexdale Hosiery Mills. (See Berger, Emil J., assignor.)
Dexdale Hosiery Mills. (See Bock, Wilhelm, assignor.)
Dexdale Hosiery Mills. (See Bock, W., and Matthews, assignors.)
Dexdale Hosiery Mills. (See Swartz, Abraham W., assignor.)
Dexter Folder Company. (See Christophel, Carl E., assignor.)
Dexter Folder Company. (See Kast, Edward R., assignor.)
Dexter Folder Company. (See Lincoln, Edwin S., assignor.)
Dexter Folder Company. (See Mentges, John, assignor.)
Dexter Folder Company. (See Rader, Earl D., assignor.)
Dexter Folder Company. (See Waterworth, Robert J., assignor.)
Dexter, George N., assignor, by mesne assignments, to The Buckeye Hat Machine Company, Van Wert, Ohio. Hat-blocking machine. 1,846,586; Feb. 23.
DeYarman, Grower R., Olds, Iowa. Friction drive for feed grinder drags. 1,861,303; May 31.
Deyes, Herbert S. (See Beale. C. E., and Deyes.)
Deyss, Alfred E., East Schodack, N. Y. Vehicle brake. 1,874,252; Aug. 30.
Dezendorf, Richard L., Hollis, N. Y. Meter testing apparatus. 1,844,843; Feb. 9.
Dezendorf, Richard L., Hollis, N. Y. Gas meter. 1,847,524; Mar. 1.
De Zubiria, José R., Bilboa, Spain, assignor, by mesne assignments, to W. R. Glisson, Teaneck, N. J. Electric induction furnace. Re18,362; Feb. 23.
D'Hellencourt, Charles L., assignor to Société Anonyme des Etablissments Ruggieri, Paris, France. Pistol for signaling purposes. 1,853,802; Apr. 12.
D'Humy, Fernand E., Scarsdale, assignor to Ramp Buildings Corporation, New York, N. Y. Garage. 1,886,943; Nov. 8.
D'Humy, Fernand E., Scarsdale, assignor to Ramp Buildings Corporation, New York, N. Y. Building. 1,886,944; Nov. 8.
D'Humy, Fernand E., Scarsdale, assignor to Ramp Buildings Corporation, New York, N. Y. Building. 1,886,945; Nov. 8.
Diack, Archibald W. (See Copeland, Francis C., assignor.)
Diago, Federico G., Habana, Cuba. Engine starter. 1,879,130; Sept. 27.
Diagonal Corrugated Patent Corporation. (See Wagner, Joshua, assignor.)
Dial Engineering Corporation. (See Siegel, Charles S., assignor.)
Dial, Frank E., and R. R. Rogers, Terre Haute, Ind. Safety device for presses. 1,878,470; Sept. 20.
Diamond Calk and Horseshoe Co. (See Swanstrom, Arthur R., assignor.)
Diamond Chain and Manufacturing Company. (See Kottlowski, Clarence P., assignor.)
Diamond, Claude, Leamington, assignor to Courtaulds Limited, London, England. Manufacture and production of artificial threads and filaments and products therefrom. 1,891,146; Dec. 13.
Diamond Crystal Salt Company. (See Reid, John, assignor.)
Diamond Electrical Manufacturing Company. (See Moyen, J. G., Maechtlen, and Duvall, assignors.)
Diamond Electrical Manufacturing Co. (See Pengilly, J. H., and Wilson, assignors.)
Diamond, James E., New York, N. Y., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,874,925; Aug. 30.
Diamond, James J. (See Harron, J. A., Diamond, and Bley.)
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt coupling. 1,841,194; Jan. 19.
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt clip card. 1,885,237; Nov. 1.
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Punch. 1,888,347; Nov. 22.
Diamond Match Company, The. (See Cruser, Frederick V. D., assignor.)
Diamond Match Company, The. (See Paridon, Michael, assignor.)
Diamond Match Company, The. (See Wright, Charles F., assignor.)
Diamond Metal Products Company. (See Brownell, Barnett M., assignor.)
Diamond Paper and Box Co. (See Dukes, I., and Zieve, assignors.)
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Diamond Power Specialty Corporation. (See Bowers, F., and Snow, assignors.)
Diamond Power Specialty Corporation. (See Brelsford, H. E., and Snow, assignors.)
Diamond Power Specialty Corporation. (See Howse, Curtis L., assignor.)
Diamond Power Specialty Corporation. (See Howse, C. L., and Lowell, assignors.)
Diamond Power Specialty Corporation. (See Howse, C. L., and Snow, assignors.)
Diamond Power Specialty Corporation. (See Snow, Norman L., assignor.)
Diamond Power Specialty Corporation. (See Snow, N. L., Bowers, and Howse, assignors.)
Diamond Power Specialty Corporation. (See Snow, N. L., and Cox, assignors.)
Diamond Power Specialty Corporation. (See Snow, N. L., and Howse, assignors.)
Diamond Power Specialty Corporation. (See Snow, N. L., Howse, and Bowers, assignors.)
Diamond Power Specialty Corporation. (See Thomas, Willis P., assignor.)
Diapex Corporation. (See Schwartz, Charles M., assignor.)
Di Bartolomes, Nicols, Brockton, Mass. Elevator apparatus. 1,878,823; Sept. 20.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove construction. 1,839,469; Jan. 5.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Flue construction. 1,848,701; Mar. 8.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Gas burner. 1,883,615; Oct. 18.
Dibble, Claude M., and I. S. Holloway, Joliet, Ill., assignors to Moore Brothers Company, Joliet, Ill. Broiler. 1,861,689; June 7.
Dibble, Clyde C. (See Prentice, A. L., Buckett, and Dibble.)
Dibble, O. B., et al. (See Cuddigan, Bartholomew O., assignor.)
Dibelka, Hugo. (See Beck, A., and Dibelka.)
Dibelka, Hugo. (See Beck, A., Schmidt, and Dibelka.)
Di Bitetto, Carlo C. F., Paris, France. Convertible vehicle body. 1,890,501; Dec. 13.
Dibner, Abraham B., Peekskill, N. Y. Electrical connecter. 1,873,559; Aug. 23.
Di Bona, Anthony. (See Jellow, T., and Di Bona.)
Dicaire, Joseph G., Flint, Mich. License plate holder. 1,864,986; June 28.
Dicicco, Anthony, Providence, R. I. Combined envelope and card. 1,875,804; Sept. 6.
Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
Dick, A. B., Company. (See Davis, Alex B., assignor.)
Dick, A. B., Company. (See Gestetner, David, assignor.)
Dick, Burns, assignor to Wagner Electric Corporation, St. Louis, Mo. Hose fitting. 1,849,076; Mar. 15.
Dick, Burns, assignor to Wagner Electric Corporation, St. Louis, Mo. Vehicle brake. 1,853,963; Apr. 12.
Dick, Herman J., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,871,962; Aug. 16.
Dick, Herman J., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,880,877; Oct. 4.
Dickason, Frank B., Shreveport, La. Garage, barn, and warehouse door. 1,843,973; Feb. 9.
Dicke, Allen A., Montclair, N. J., assignor to Pioneer Heat Regulator Corporation. Thermostat. 1,854,786; Apr. 19.
Dicke, Allen A., Montclair, N. J., assignor to Pioneer Heat Regulator Company. Thermostat. 1,866,548; July 12.
Dicke, Allen A., Montclair, N. J., assignor to Pioneer Heat Regulator Corporation. Temperature regulating system. 1,876,636; Sept. 13.

Dicke, Oscar H., Rochester, N. Y., assignor to Pioneer Heat Regulator Corporation. Furnace regulator. 1,857,531; May 10.

Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,877,562; Sept. 13.

Dickens Auto Transmission Hoist Company Inc. (See Dickens, Charles A., assignor.)

Dickens, Charles A., assignor to Dickens Auto Transmission Hoist Company Inc., Hagerstown, Md. Hoist. 1,864,124; June 21.

Dicker, Joseph H., Jersey City, N. J. Wafer container for ice cream and the like. Des. 88,143; Nov. 1.

Dickerman, John A., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Primer cup. 1,855,202; Apr. 12.

Dickerman, John A., Reno, Nev., assignor to Western Cartridge Company, East Alton, Ill. Target thrower. 1,866,173; June 28.

Dickerson, Arthur S., Chagrin Falls, Ohio. Pneumatic warmer for windshields. 1,842,251; Jan. 19.

Dickerson, John A., Chicago, Ill. Construction form. 1,879,738; Sept. 27.

Dickey, Cromwell B. (See Raleigh, W. P., and Dickey.)

Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,842,509; Jan. 26.

Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,871,881; Aug. 16.

Dickey, Jonathan A., Memphis, Tenn. Universal lamp. 1,889,978; Dec. 6.

Dickey, Laurence W. (See Eaton, J. C., Dickey, and Field.)

Dickey, Maurice K., Distant, Pa. Speed changing mechanism for motor vehicles. 1,849,285; Mar. 15.

Dickey, Nellie, Snyder, Nebr. Latch. 1,846,318; Feb. 23.

Dickey, Richard J., Highland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 1,861,427; May 31.

Dickey, W. S., Clay Manufacturing Company. (See Parker, Fred B., assignor.)

Dickhaut, Charles A., assignor to John Waldron Corporation, New Brunswick, N. J. Automatic side control for rolls. 1,858,436; May 17.

Dickie, William A., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture or treatment of textile products. 1,871,046; Aug. 9.

Dickie, William A., and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile fabric. 1,848,560; Mar. 8.

Dickie, William A., and F. C. Hale, Spondon, near Derby, England, assignors to Celanese Corporation of America. Securing the edges of fabrics woven in shuttleless looms. 1,854,693; Apr. 19.

Dickie, William A., and F. C. Hale, Spondon, near Derby, England, assignors to Celanese Corporation of America. Loom having stationary weft supplies. 1,862,178; June 7.

Dickie, William A., and H. Halkyard, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of new or improved fabrics. 1,889,061; Nov. 29.

Dickins, Arthur W. M., London, England. Manufacture of methyl-paramidophenol sulphate (metol). 1,844,844; Feb. 9.

Dickinson, Edwin A., East Orange, assignor to The Gray Processes Corporation, Newark, N. J. Petroleum refining. 1,853,671; Apr. 12.

Dickinson, Fairleigh S., Rutherford, N. J. Syringe. 1,863,785; June 21.

Dickinson, Helen M., Portland, Oreg. Cookbook holder. 1,853,340; Apr. 12.

Dickinson, Henry A., assignor to C. M. Bosworth, Riverside, Ill. Cutting tool head. 1,880,878; Oct. 4.

Dickinson, Robert C. (See Baker, B. P., and Dickinson.)

Dickman, Frank G., Chicago, Ill. Scuff hanger. 1,851,353; Mar. 29.

Dickman, Joseph J., Brooklyn, N. Y. Article for use with library book charging systems. 1,862,530; June 14.

Dickman, Joseph J., Brooklyn, assignor to Library Efficiency Corporation, New York, N. Y. Apparatus for recording transactions. 1,862,528; June 14.

Dickman, Joseph J., Brooklyn, assignor to Library Efficiency Corporation, New York, N. Y. Apparatus for recording transactions. 1,862,529; June 14.

Dickman, Joseph J., and G. I. Lehman, assignors to Library Efficiency Corporation, New York, N. Y. Reference card. 1,875,995; Sept. 6.

Dicks, Thomas A., assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Propeller. 1,862,846; June 14.

Dicks, Thomas A., assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Air collector for propellers. 1,868,314; July 19.

Dicks, Thomas A., Pittsburgh, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Propeller hub. 1,888,493; Nov. 22.

Dickson, Donald C., Montclair, N. J. Plugging means for crucibles or the like. 1,880,242; Oct. 4.

Dickson, George E., Evanston, Ill. Making weatherproof nails. 1,867,355; July 12.

Dickson, George E., Evanston, Ill. Weatherproof nail. 1,867,354; July 12.

Dickson, George F., assignor to G. A. Pearson, and L. Muter, Chicago, Ill. Refrigerating ice cream container and the like. 1,872,689; Aug. 23.

Dickson, Henry. (See Young, Richard G., assignor.)

Dickson, James T., Los Angeles, Calif. Automatic operating device for clutches. 1,849,177; Mar. 15.

Dickson, James T., Los Angeles, Calif. Coupling. 1,850,226; Mar. 22.

Dickson, Juanita R., Los Angeles, Calif. Combination brassière and girdle. Des. 86,201; Feb. 23.

Dickson, Lawrence E., Chicago, Ill. Cushion for goggles. 1,850,538; Mar. 22.

Dickson, Sidney M., Pittsburgh, Pa. Ventilator. 1,871,161; Aug. 9.

Dickson, Victor E., Footscray, Victoria, assignor of one-half to C. H. Stevens, West Footscray, Australia. Metal joint for bedsteads and like purposes. 1,875,805; Sept. 6.

Dickson, Vincent L., Alameda, Calif. Headlight lens. 1,874,086; Aug. 30.

Dickson, Vincent L., Alameda, Calif. Breaking down of metals. 1,874,253; Aug. 30.

Dickson, William C., Evanston, Ill. Nail feeding mechanism. 1,845,651; Feb. 16.

Dictaphone Corporation. (See Bodine, Alfred V., assignor.)

Dictaphone Corporation. (See Feyrer, William F., assignor.)

Dictaphone Corporation. (See Frykman, Victor L., assignor.)

Dictaphone Corporation. (See Worden, Robert E., assignor.)

Dictatype Shorthand Machine Company, The. (See Bourquin, Paul P., assignor.)

Dictatype Shorthand Machine Company, The. (See Park er, Arthur L., assignor.)

Dictograph Products Co. (See Sinel, Joseph, assignor.)

Dictograph Products Company. (See Waite, William H., assignor.)

Didato, James, Middlesex, N. J. Hybrid tea rose. Pl. Pt. 50; Dec. 20.

Didinger, George H., Philadelphia, Pa., assignor, by mesne assignments, to Sherwell Controls, Inc., New York, N. Y. Dispensing system for gasoline and the like. 1,866,208; July 5.

Diebenkorn, Richard C., assignor to Dohrmann Hotel Supply Co., San Francisco, Calif. Goblet or similar article. Des. 87,908; Oct. 11.

Diebold Safe & Lock Company, The. (See Abbott, Albert L., assignor.)

Diebold Safe & Lock Company, The. (See Abbott, A. L., and Miller, assignors.)

Diebold Safe & Lock Company, The. (See Abbott, A. L., Miller, W. C. and C. E., assignors.)

Diebold Safe & Lock Company. (See Adams, William E., assignor.)

Diebold Safe & Lock Company, The. (See Doherty, Robert K., assignor.)

Diebold Safe & Lock Company. (See Fellows, John A., assignor.)

Dieckmann, Max., Graefelding, near Muenchen, assignor of one-third to O. Scheller, Berlin, Germany, and one-third to W. H. Murphy, Oceanport, N. J. System for locating moving bodies. 1,885,023; Oct. 25.

Diederich, John W., Detroit, Mich., assignor to H. C. Lord, Erie, Pa. Shackle link. 1,841,015; Jan. 12.

Diederich, Paul E., assignor to Standard Tube and Manufacturing Company, Detroit, Mich. Closure for apertured receptacles. 1,846,087; Feb. 23.

Diedericks, Carl A., Pittsburgh, Pa. Toy. 1,874,087; Aug. 30.

Diederichs, Hugo N., St. Louis, Mo., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Brush holder. 1,857,808; May 10.

Diederichs, Paul O., Chicago, Ill., assignor, by mesne assignments, to American Machine & Foundry Company, New York, N. Y., Roller mill. 1,889,777; Dec. 6.

Diedrich, Paul. (See Dohrn, M., and Diedrich.)

Diehl, Charles. (See Sherrick, Samuel T., assignor.)

Diehl, Harry L. (See Matthews, Guy L., assignor.)

Diehl, Harry L. (See Schweitzer, Joseph, assignor.)

Diehl, Johannes F., Herbron, assignor to Berkenhoff & Drebes Aktiengesellschaft, Asslar near Wetzlar, Germany. Drawing bench. 1,861,563; June 7.

Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. U tube structure. 1,888,424; Nov. 22.

Diels, Otto, and K. Alder, Kiel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hydro-aromatic ketones. 1,891,043; Dec. 13.

Diener, Hyman, Washington, D. C. Hat steaming and blocking attachment. 1,888,375; Nov. 22.

Dienes, Karl R., Vilkerath, Germany. Milling cutter pressed from sheet metal. 1,844,566; Feb. 9.

Diener, John A., Evanston, Ill. Insulator. 1,854,459; Apr. 19.

Diener, John A., assignor to Stromberg Motor Devices Co., Chicago, Ill. Liquid level indicator. 1,854,155; Apr. 12.

Diener, John A., Evanston, assignor to Bendix Stromberg Carbureter Company, Chicago, Ill. Vacuum tank. 1,872,419; Aug. 16.

Dienst, Alexander, Hollis, and J. J. Neuman, Jamaica, N. Y. Wrapper for sugar units and like articles. 1,882,124; Oct. 11.
Dierichs, Alfred, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. New catalyst. 1,870,357; Aug. 9.
Dierker, Hugh E., Ocean Park, assignor to E. F. Hughes, Brentwood Park, Calif. Mechanical exerciser and massaging device. 1,880,879; Oct. 4.
Dierking, Henry, and R. Derby, assignors to Andrews Nursery Company, Faribault, Minn. Root digger. 1,844,565; Feb. 9.
Diescher, August P., assignor to S. Diescher & Sons, Pittsburgh, Pa. Machine for straightening round stock. 1,865,174; June 28.
Diescher, S., & Sons. (See Diescher, August P., assignor.)
Diescher, S., & Sons. (See Diescher, Samuel E., assignor.)
Diescher, Samuel E., Pittsburgh, Pa. Method of reducing and elongating tubular blanks. 1,870,209; Aug. 2.
Diescher, Samuel E., assignor to S. Diescher & Sons, Pittsburgh, Pa. Plate catcher and cleaner for tinning machines. 1,876,278; Sept. 6.
Diescher, Samuel E., Wilkinsburg, and C. W. A. Koelkebeck, Mount Lebanon, Pa., assignors to Foster Wheeler Corporation, New York, N. Y. Method of and apparatus for metal rolling. 1,878,117; Sept. 20.
Diesel, William F., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Lock mechanism. 1,867,001; July 12.
Diesel, William F., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Locking mechanism. 1,885,238; Nov. 1.
Dieter, William, Newark, N. J. Stop valve for torpedoes. 1,845,135; Feb. 16.
Dieter, William, Newark, N. J. Airplane engine. 1,845,136; Feb. 16.
Dieter, William, Newark, N. J. Can testing machine. 1,851,755; Mar. 29.
Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Depth engine for automobile torpedoes. 1,851,816; Mar. 29.
Dieterich, Arthur B., East Moline, assignor to Deere & Company, Moline, Ill. Corn sheller. 1,850,279; Mar. 22.
Dieterich, Arthur B., assignor to Deere & Company, Moline, Ill. Corn sheller. 1,877,282; Sept. 13.
Dieterich, Francis L., Newark, N. J. Tank car valve. 1,830,241; Dec. 1.
Dieterich, Ludwig M., New Brunswick, N. J. Power transmission means. 1,871,782; Aug. 16.
Dieterich, Ludwig M., New Brunswick, N. J., assignor of one-third to R. S. Blair, Stamford, Conn. Unidirectional mechanism. 1,863,191; June 14.
Dieterle, Frank Ulrich, N. Y. Casing and bladder connecter for footballs, basketballs, and the like. 1,867,443; July 12.
Dieterle, Paul, Binghamton, N. Y. Framing pictures. 1,881,046; Oct. 4.
Dietmann, Paul W., Jonkoping, Sweden. Carrier bar for match making machines. 1,846,994; Feb. 23.
Dietmann, Paul W., Jonkoping, Sweden. Apparatus for arranging boxes. 1,870,201; Aug. 2.
Dietmann, Paul W., Jonkoping, Sweden. Match box inverting means. 1,886,794; Nov. 8.
Dietrich, Charles, Cleveland, Ohio. Tying springs. 1,854,503; Apr. 19.
Dietrich, Friedrich R. (See Wacker, F., Blumm, and Greissinger.)
Dietrich, Harold E. (See Henderson, W. F., and Dietrich.)
Dietrich, Harold E., assignor to The Viking Corporation, Chicago, Ill. Mandrel. 1,876,279; Sept. 6.
Dietrich, Jacob C., et al. (See Howard, Jesse R., assignor.)
Dietrich, Melvin A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Refining mineral oils. 86,442; Oct. 11.
Dietrich, Raymond H., Detroit, Mich., assignor to Franklin Development Corporation, Syracuse, N. Y. Motor vehicle. No. 86,442; Oct. 11.
Dietrich, Raymond H., Detroit, Mich., assignor to Franklin Development Corporation, Syracuse, N. Y. Folding lamp for automobile rear seats. 1,845,401; Feb. 16.
Dietrich, Walther, Berlin-Wilmersdorf, and K. Bergl, Berlin-Friedenau, Germany. Apparatus for the production of ozone. 1,846,067; Feb. 23.
Dietrich, William S., Greenville, Pa. Method and apparatus for handling freight. 1,859,076; May 17.
Dietrichs, Charles, Little Ferry, N. J., assignor to Walker Cement Products, Inc., Union City, N. J. Draining tile. 1,857,143; May 10.
Dietrichson, Otto. (See Lundius, A., and Dietrichson.)
Dietrichson, William F., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Door closing device for cars. 1,876,037; Sept. 13.
Dietsch, Charles G., Toledo, Ohio. Vessel. 1,880,880; Oct. 4.
Dietsche, Otto, Berlin-Biesdorf, assignor to Siemens-Planiawerke Aktiengesellschaft für Kohlefabrikate, Lichtenberg, near Berlin, Germany. Manufacturing carbon electrodes for electric furnaces. 1,840,491; Jan. 12.
Dietz, August A., Richmond, Va. Alphabet type. 1,866,029; July 12.
Dietz, Charles H. (See Leffert, C. B., and Dietz.)
Dietz, Frank J., Baltimore, Md., assignor to Alvey Manufacturing Company, St. Louis, Md. Conveyer. 1,892,206; Dec. 27.
Dietz, Herbert J. (See Sheppard, S. E., and Dietz.)
Dietz, Karl. (See Franck, R., and Dietz.)
Dietz, Karl, and K. Frank, Frankfort-on-the-Main-Höchst, assignors to Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Acid-proof cementing compositions. 1,867,444; July 12.
Dietz, R. E., Company. (See Currie, Robert A., assignor.)
Dietz, R. E., Company. (See Currie, R. A., and Thiel, assignors.)
Dietz, R. E., Company. (See Throne, Robert P., assignor.)
Dietz, Richard H., Jr., Holyoke, Mass. Receptacle. 1,891,525; Dec. 20.
Dietze, Eginhard. (See Inglis, A. H., Goodale, and Dietze.)
Dietze, Eginhard, Westfield, N. J., assignor to American Telephone and Telegraph Company. Lineman's test set. 1,860,455; May 31.
Dietze, Emil, Richmond Hill, assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y. Pipe union housing. 1,870,040; Aug. 2.
Dietze, Richard, Berlin-Pankow, Germany, assignor to General Electric Company. Regulating arrangement for prime mover. 1,869,144; July 26.
Dietzel, Paul, assignor to the Firm of Carl Zeiss, Jena, Germany. Slide guide for the fine adjustment of microscopes. 1,887,121; Nov. 8.
Dietzgen, Eugene, Company. (See Allin, Richard F., assignor.)
Dietzgen, Eugene, Company. (See Brown, Virgil C., assignor.)
Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)
Dietzsch, Ferdinand, Kingston-on-Thames, England. Wet extraction of copper. 1,878,178; Mar. 15.
Dieux, Jean, Paris, France. Process and device for transformation of electric currents. 1,856,910; May 3.
Dieux, Jean, Paris, France. Talking machine. 1,885,994; Nov. 1.
Di Frasso, Carlo D. (See Ranieri, Luigi, assignor.)
Digeon, Pierre A. (See Bonaldo, J. B., and Digeon.)
Diggins, Thomas L., Milton, Oreg., assignor of one-third to Ernest Harris, Seattle, Wash., and two-thirds to R. Gunzel, Freewater, Oreg. Operating means for closures. 1,863,923; June 21.
Diggle, John E., Dannevirke, New Zealand. Stropping device. 1,842,800; Jan. 26.
Diggs, Sterling H., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Lubricating oil. 1,869,800; Aug. 2.
Diggs, Sterling H., and J. M. McGee, Casper, Wyo., and Thomas S. Cooke, New York, N. Y., assignors to Standard Oil Company, Whiting, Ind. Treating hydrocarbon oils. 1,858,394; May 17.
Digiovine, Camillo, New Geneva, Pa. Car replacer. 1,871,162; Aug. 9.
Dijksterhuis, Popko R., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Transformer. 1,841,016; Jan. 12.
Dijksterhuis, Popko R., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Incandescent cathode. 1,852,739; Apr. 5.
Dijksterhuis, Popko R., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 1,870,981; Aug. 9.
Dikant, Stephen, Peckville, Pa. Drill dust arrester. 1,850,317; Mar. 22.
Dike, George P., Brookline, Mass. Wrist watch. 1,849,482; Mar. 15.
Dike, George P., Brookline, Mass., assignor to Hudson Motor Car Company, Detroit, Mich. Ash receptacle for automobiles. 1,846,512; Feb. 23.
Dike, Theodore W. (See Laucks, I. F., Cone, and Dike.)
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing materials. 1,851,949; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing materials together. 1,851,950; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing. 1,851,951; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing. 1,851,952; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing. 1,851,953; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing. 1,851,954; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Gluing. 1,851,955; Mar. 29.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Method and apparatus for the formation of plywood. 1,869,957; Aug. 2.
Dike, Theodore W., New Westminster, British Columbia, Canada, assignor to I. F. Laucks, Inc., Seattle, Wash. Method and apparatus for the formation of plywood and the like. 1,870,041; Aug. 2.

Dike, Theodore W., New Westminster, British Columbia, Canada, assignor, by mesne assignments, to Laminating Patents Corporation, Seattle, Wash. Making plywood. 1,883,616; Oct. 18.

Dike, Theodore W., New Westminster, British Columbia, Canada, and I. F. Laucks and C. N. Cone, assignors, by mesne assignments, to Laminating Patents Corporation, Seattle, Wash. Making plywood. 1,883,617; Oct. 18.

Dilas, George A., Bay City, Mich. Luring machine. 1,885,335; Nov. 1.

Dildine, Harry W., New York, N. Y. Attachment for safety razors. 1,880,881; Oct. 4.

Dilg, Earl W., Detroit, Mich., assignor to Evans Appliance Company. Pump mechanism. 1,855,708; Apr. 26.

Dilg, Earl W., Detroit, Mich., assignor to Evans Appliance Company. Pump mechanism. 1,868,161; July 19.

Dill, Edward J., assignor to The Inland Mfg. Co., Dayton, Ohio. Flexible connector. 1,871,963; Aug. 16.

Dill, John. (See Shmyroff, A., Dill, and Van Hoofstadt.)

Dill, John, Woodside, N. Y. Aeroplane. 1,855,012; Apr. 19.

Dill, John, Woodside, and A. Shmyroff, Kew Gardens, assignors to Lion Match Co., Inc., New York, N. Y. Match stacking mechanism. 1,880,077; Sept. 27.

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dillard, Benjamin P., Greer, S. C. Cotton gin feeder. 1,882,852; Oct. 4.

Dillard, James B. (See Randall, N., and Dillard.)

Dillehay, Edward R., Glen Elyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Molding composition and process. 1,891,918; Dec. 27.

Diller, Louis A., Follansbee, W. Va., assignor to Sheet Metal Specialty Company, Pittsburgh, Pa. Bird feeder or similar article. Des. 86,014; Jan. 19.

Dilley, Morris MacD., and J. H. Fraser, assignors to Automatic Safety Signal Gate Co., Columbus, Ind. Highway gate. 1,874,926; Aug. 30.

Dillhoefer, Henry M., Cleveland Heights, Ohio. Combined smokers' stand. 1,842,076; Jan. 19.

Dillhoefer, Henry M., jr., Cleveland Heights, assignor to The Byrne Manufacturing Company, Cleveland, Ohio. Container. 1,884,040; Oct. 25.

Dillman, Edward E., Dallas, Tex. Means and method for welding tanks. 1,879,604; Sept. 27.

Dillon Company. (See Dillon, Stephen V., assignor.)

Dillon, George F., Wichita, Kans. Rail and underreamer. 1,854,369; Apr. 19.

Dillon, John. (See Lundelius, O. F., and Dillon.)

Dillon, Joseph H., Wilmette, assignor to Dillon Puley Co., Chicago, Ill. Puley. 1,844,059; Feb. 9.

Dillon, Nellie M., et al. (See Dillon, Paul S., assignor.)

Dillon, Paul S., assignor of one-half to M. Smith, Florence, Colo., and one-half to N. M. Dillon. Combination coat and pants hanger. 1,843,807; Feb. 2.

Dillon, Paul W., Sterling, Ill. Reenforced rail. 1,880,883; Oct. 4.

Dillon, Paul W., assignor to Northwestern Barb Wire Company, Sterling, Ill. Fastening element. 1,846,709; Feb. 23.

Dillon Puley Co. (See Dillon, Joseph H., assignor.)

Dillon, Raymond M., Miami, Fla. Lifeboat launching mechanism. 1,846,953; Feb. 23.

Dillon, Stephen V., assignor to The Dillon Company, Tulsa, Okla. Guiding means for pipe couplings. 1,876,638; Sept. 13.

Dillon, William A., Santa Clara, Calif. Lather brush. 1,875,426; Sept. 6.

Dills, Reuben H., Seattle, Wash. Swimming suit. 1,867,445; July 12.

Di Lorenzio, Charles, et al. (See Fabbro, Louis M., assignor.)

Dils, L. A., assignor to Kellog-Dils, Inc., Chicago, Ill. Rendering paper moisture, grease and acid proof and solution resistor. 1,871,842; Aug. 16.

Dils, Logan A., assignor to Kellogg-Dils, Inc., Chicago, Ill. Treating fibers for paper-making and other uses. 1,846,093; Feb. 23.

Dils, Logan A., assignor to Kellogg Dils, Inc., Chicago, Ill. Method of treating fibers for paper making and other uses. 1,868,569; July 26.

Dils, Logan A., assignor to Kellogg Dils, Inc., Chicago, Ill. Treating woody materials to obtain fibers therefrom. 1,868,570; July 26.

Dils, Logan A., assignor to Kellogg-Dils, Inc., Chicago, Ill. Treating printed paper for use as paper making stock. 1,870,358; Aug. 9.

Dilts Machine Works, Inc. (See Haskell, John D., assignor.)

Dilworth, F. Wesley. (See Campbell, Parry J., assignor.)

Dilworth, Richard M., Lakewood, assignor to The Electro-Motive Company, Cleveland, Ohio. Hydrocarbon motor. 1,840,570; Jan. 12.

Dilworth, Richard M., Lakewood, assignor to The Electro-Motive Company, Cleveland, Ohio. Electropneumatic throttle control. 1,871,163; Aug. 9.

Dilworth, Richard M., Lakewood, assignor to The Electro-Motive Company, Cleveland, Ohio. Carburetor. 1,892,301; Dec. 27.

Dimetroff, Thomas A., Freeman, Wash. Rail nipper. 1,849,178; Mar. 15.

Dimick, Daniel B., Birmingham, Ala. Sand slinger. 1,842,252; Jan. 19.

Dimick, Daniel B., Birmingham, Ala. Casting pipe. 1,846,995; Feb. 23.

Dimick, Daniel B., Birmingham, Ala. Molding flask. 1,846,996; Feb. 23.

Dimick, Daniel B., Birmingham, Ala. Pipe mold. 1,846,997; Feb. 23.

Dimick, Daniel B., Birmingham, Ala. Core molding machine. 1,846,998; Feb. 23.

Dina, Augusto, New York, N. Y. Dowser. 1,885,419; Nov. 1.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Aperture plate and mechanism for motion picture projection machines. 1,843,544; Feb. 2.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Compound fire shutter and framing device. 1,845,490; Feb. 16.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Double aperture plate. 1,846,049; Feb. 23.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Electrical switching apparatus for picture projection machines. 1,846,050; Feb. 23.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Heat resistant shutter for motion picture projection machines. 1,847,642; Mar. 1.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Film sprocket. 1,850,830; Mar. 22.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Adjustable optical system for projection machines. 1,852,490; Apr. 5.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Method of and apparatus for coating film bands. 1,853,725; Apr. 12.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Framing mechanism. 1,854,501; Apr. 19.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Locking mechanism. 1,856,001; May 3.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Adjustable aperture for motion picture projection machines. 1,863,366; June 14.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Movable aperture plate for motion picture machines. 1,866,549; July 12.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Switch for projection machines. 1,866,550; July 12.

Dina, Augusto, Jersey City, N. J., assignor to the Precision Machine Co., Inc., New York, N. Y. Method of and apparatus for projection of motion pictures. 1,880,884; Oct. 4.

Dina, Augusto, Jersey City, N. J., assignor, by mesne assignments, to International Projector Corporation, New York, N. Y. Light ray projector. 1,884,603; Oct. 25.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Film gate. 1,884,604; Oct. 25.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Shutter mechanism. 1,884,605; Oct. 25.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Gate operating mechanism. 1,884,606; Oct. 25.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Mechanical movement. 1,884,607; Oct. 25.

Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Screened and ventilating fire shutter. 1,884,608; Oct. 25.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Support and adjustment for speaking movie photocells. 1,847,643; Mar. 1.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Photocell mounting for motion-picture projection machines. 1,847,644; Mar. 1.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Door lock. 1,856,091; May 3.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Pad roller mounting for motion-picture projection machines. 1,857,116; May 3.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Double shutter and driving mechanism therefor. 1,858,239; May 17.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Support and adjustment for speaking movie exciter lamps. 1,863,300; June 14.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Clutch operating mechanism. 1,869,887; Aug. 2.

Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Locking and clamping mechanism for motion picture projector machine parts. 1,869,888; Aug. 2.
Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Resilient film guide for motion picture projection machines. 1,884,609; Oct. 25.
Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Mechanical movement. 1,884,610; Oct. 25.
Dinaro, Salvatore, Genoa, Italy. Elastic wheel. 1,857,239; May 10.
Dineson, Laurits, Minneapolis, Minn. Milking apparatus. 1,858,266; May 17.
Dinesen, Laurits, Minneapolis, Minn. Milking apparatus. 1,885,980; May 24.
Dingeldey, Louis G., Cleveland, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,852,152; Apr. 5.
Dingell, Edward R., Detroit, Mich. Roller stock pusher for screw machines. 1,855,515; Apr. 26.
Dinger, William H., Miami Shores, Fla. Tire pressure gauge. 1,851,978; Apr. 5.
Dingledine, William K., Brooklyn, N. Y. Game. 1,885,980; May 24.
Dingman, Charles F., Palmer, Mass. Display window construction. 1,886,654; Nov. 8.
Dinkel, Andrew J., assignor of one-third to R. Smith, Yuma, Ariz. Retaining device for removable vehicle seat cushions. 1,865,175; June 28.
Dinkel, Andrew J., assignor of one-half to William E. McCaw, Yuma, Ariz. Oil burner. 1,874,833; Aug. 30.
Dinkelberg, Frederick P., Evanston, Ill., assignor, by mesne assignments, to Cross Parking Systems, Inc., Chicago, Ill. Apparatus and method for handling and storing automobiles. Re18,493; June 14.
Dinkelspiel, Lawrence, West New York, N. J. Embroidered lace scarf or similar article. Des. 86,516; Mar. 15.
Dinkelspiel, Lawrence, West New York, N. J. Embroidered scarf or similar article. Des. 86,706; Apr. 19.
Dinkins, Tyre J., Montclair, N. J. Flooring. 1,866,527; July 12.
Dinner, Heinrich, Ennenda, assignor to the Firm Sulzer Freres Société Anonym, Winterthur, Switzerland. Fuel injection device for internal combustion engines. 1,850,227; Mar. 22.
Dinsmore, Samuel, Chicago, Ill. Agricultural implement. 1,880,016; Nov. 29.
Dinsmore, Wesley, Piedmont, Calif. Bill for decoys. 1,849,179; Mar. 15.
Dinzl, Richard W., Margate City, N. J., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Riveting mechanism. 1,884,611; Oct. 25.
Dinzl, Richard W., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Steam platen. 1,884,612; Oct. 25.
Diodati, Alfred, New York, N. Y. Electrical circuit system. 1,867,212; July 12.
Dion, William A., Plainville, assignor to Evans Case Company, North Attleboro, Mass. Vanity case. 1,850,228; Mar. 22.
Dionne, Paul A. (See Leduc, Joseph E., assignor.)
Diot, Louis E., Neuilly-sur-Seine, assignor to Societe Anonyme Parfumerie Houbigant, Paris, France. Machine for placing bands on various articles. 1,857,117; May 3.
D'Ippolito, Angelo B. Vineland, N. J. Sidewalk edge router. 1,856,412; May 3.
Direct Control Valve Company. (See Fina, Valentine, assignor.)
Direct Control Valve Company. (See Lawler, James J., assignor.)
Direct Control Valve Company. (See Lawler, James R., assignor.)
Directoplate Corporation. (See Koppe, Alexander T., assignor.)
Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for signaling in high speed telegraph systems. 1,851,956; Mar. 29.
Dirkes, Robert F., Jamaica, N. Y., and J. N. Anderson, Jr., North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Regenerative repeater for start-stop systems of automatic telegraphy. 1,856,985; May 3.
Dirkes, Vincent M. (See Fox, E. W., and Dirkes.)
Disbrow, Clarkson A., New Rochelle, N. Y., assignor to The Rail Joint Reforming Company, Birmingham, Ala. Reforming rail joint bars. 1,855,946; Apr. 26.
Disbrow, Hiram G., Hempstead, N. Y. Combination lock. 1,855,947; Apr. 26.
Disch, John E., assignor to Daniel Green Company, Dolgeville, N. Y. Making shoes. 1,854,927; Apr. 19.
Disbner, William A. (See Nickels, William W., assignor.)
Di Sibio, Vincenzo. (See Mancusi, P., and Di Sibio.)
Diskin, Harry, New York, N. Y. Chambered clothes hanger for containing an insect repelling material. 1,877,283; Sept. 13.
Dister, Harry E., Tulsa, and E. E. Deacon, Oklahoma City, Okla. Hose clamp. 1,876,639; Sept. 13.
Dispersions Process, Inc. (See Barnard, Arthur E., assignor.)
Dispersions Process, Inc. (See Mitchell, John K., assignor.)
Dispersions Process, Inc. (See Pratt, W. B., and Halstead, assignors.)
Dispersions Process, Inc. (See Smith, G. P. F., and Richards, assignors.)
Display Price Corporation. (See Patinot, Philippe, assignor.)
Disser, Louis J., sr., Ferguson, Mo. Advertising sign. 1,845,137; Feb. 16.
Distel, Richard. (See Huber, L., and Distel.)
Dister, Fred P., Hamilton, Ohio, assignor to American Can Company, New York, N. Y. Apparatus for preparing drum head can bodies. 1,842,447; Jan. 26.
Dister, Joseph, Hamilton, Ohio, assignor to American Can Company, New York, N. Y. Apparatus for preparing drum head can bodies. 1,846,319; Feb. 23.
Dister, Joseph, Hamilton, Ohio, assignor to American Can Company, New York, N. Y. Container. 1,884,613; Oct. 25.
Ditch, Harry W., Mason City, Iowa. Tree trimmer. 1,868,349; July 19.
Ditchfield, Frank. (See McWilliams, J. P., and Ditchfield.)
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door construction. 1,863,969; June 21.
Di Trapani, Frank, Boston, Mass. Brake and gas control for auto obiles. 1,850,744; Mar. 22.
Ditson, Jesse, Littleton, and D. W. Hart, Denver, Colo., assignor to Ingersoll Rand Company, Jersey City, N. J. Shank and bit punch. 1,851,620; Mar. 29.
Dittbenner, Mary A. (See Crossett, Frederick A., assignor.)
Dittlinger-Crow Process Company. (See Crow, W., and Dittlinger, assignors.)
Dittlinger, Hippolyt. (See Crow, W., and Dittlinger.)
Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Buffer. 1,857,240; May 10.
Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Machine for coating strips of lumber. 1,868,050; July 19.
Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Sawing machine. 1,880,885; Oct. 4.
Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Brush. 1,880,886; Oct. 4.
Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Strip finishing machine. 1,880,887; Oct. 4.
Ditto, Incorporated. (See Carr, Kenneth W., assignor.)
Ditto, Incorporated. (See Henderson, Kenneth M., assignor.)
Ditto, Incorporated. (See Moll, Wilhelm K., assignor.)
Ditto, Incorporated. (See Pedersen, John P., assignor.)
Ditto, Incorporated. (See Williams, Ellis E., assignor.)
Ditzmann, Siegfried J. (See Nickel, Gottfried, assignor.)
Dival, Edgar F., Berwyn, Ill., assignor to International Patents Development Company, Wilmington, Del. Packaging of liquids. 1,843,545; Feb. 2.
Divelbey, Harvey J., assignor to Illinois Supply Company, Aurora, Ill. Air circulator and heater. 1,890,279; Dec. 6.
Divelbey, Harvey J., assignor to Illinois Supply Company, Aurora, Ill. Identifying band for birds. 1,890,280; Dec. 6.
Diver, Otheron M., Edwardsville, Ill. Booking mechanism for radiator core making machines. 1,859,383; May 24.
Divine, Bradford H., Utica, N. Y. Buffing wheel. 1,890,502; Dec. 13.
Divine, Robert E., Bogota, N. J. Preventing rancidity in soaps and product. 1,869,469; Aug. 2.
Dix, Edgar H., jr., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Corrosion-resistant aluminum alloy articles and making the same. 1,865,089; June 28.
Dixey, C. W., & Son Limited. (See Dixey, Walter A., assignor.)
Dixey, Fannie B., executrix. (See Dixey, Walter A.)
Dixey, Walter A., deceased, by F. B. Dixey, executrix, assignor, by mesne assignments, to C. W. Dixey & Son Limited, London, England. Optical instrument and method of treatment. 1,878,973; Sept. 20.
Dixie Cotton Machinery Company. (See Albaugh, Ellis, assignor.)
Dixie Cotton Machinery Company. (See Albaugh, E., and Hildebrandt, assignors.)
Dixie Jute Bagging Corporation. (See Carroll, John J., assignor.)
Dixie Machinery Manufacturing Company. (See Frickey, Edward H., assignor.)
Dixn, Ramon V., Plymouth, assignor, by mesne assignments, to R. G. Michell, Detroit, Mich. Combination shipping and display box. 1,880,888; Oct. 4.
Dixon, Amos F., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,847,174; Mar. 1.
Dixon, Harry H., Princeton, W. Va. Filing device. 1,859,696; May 24.
Dixon, Howell N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 1,860,661; May 31.
Dixon, Israel K., Johnstown, Pa. Tongue switch. 1,854,022; Apr. 12.

Dixon, John B., Red Bank, and W. S. Hayford, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Drawing tool. 1,845,077; Feb. 16.

Dixon, John W., Maywood, Ill. Poster supporting device. 1,846,738; Feb. 23.

Dixon, John W., River Forest, assignor to U. S. Finishing & Mfg. Co., Chicago, Ill. Poster-supporting device. 1,888,494; Nov. 22.

Dixon, Joseph, Crucible Company. (See Mix, Frederick H., assignor.)

Dixon, Leonard A., and J. B. Peat, Middlesbrough, England. Boat raising and lowering gear. 1,855,013; Apr. 19.

Dixon, Reginald G., assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 1,842,152; Jan. 19.

Dixon, Thomas L., Letchworth, England. Machine for coating paper, fabric, or the like. 1,892,484; Dec. 27.

Dixon, Thomas S., and A. E. Simpson, assignors to The Vigilant Automatic Fire Alarm Company Limited, Christchurch, New Zealand. Electrical automatic fire alarm. 1,874,254; Aug. 30.

Dixon, Walter L., Dorchester, assignor to Reece Folding Machine Company, Boston, Mass. Driving and stopping mechanism. 1,846,850; Feb. 23.

Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Infolding machine. 1,883,343; Oct. 18.

Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Infolding machine. 1,883,344; Oct. 18.

Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Infolding machine. 1,883,345; Oct. 18.

Dixon, William, Incorporated. (See Owens, Thomas, assignor.)

Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Installation of rolling window screen guides 1,846,320; Feb. 23.

Dixson, Harry, assignor to Rolscreen Company, Pella, Iowa. Combination screen mounting and weather-strip for casement windows. 1,866,852; July 12.

Djidich, Alexander, Tamaqua, Pa. Antirust solution for radiators. 1,853,341; Apr. 12.

Djurson, Axel R. S., and B. H. Browall, assignors to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster for brakes. 1,887,586; Nov. 15.

D'Leny, Walter C., and J. R. Park, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, London, England. Purification of gases containing hydrogen sulphide. 1,858,919; May 17.

Dlesk, John, jr., Berwyn, Ill. Antifriction ball bearing. 1,842,519; Jan. 19.

Dlouhy, August, Wallingford, Conn. Curtain rod end. Des. 86,443; Mar. 8.

Dlouhy, August, Wallingford, Conn. Curtain rod end. Des. 86,444; Mar. 8.

Dlouhy, August, Wallingford, Conn. Curtain rod end. Des. 86,445; Mar. 8.

Dlouhy, August, Wallingford, Conn. Curtain rod end. Des. 86,446; Mar. 8.

Doane, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Crane. Des. 86,112; Feb. 2.

Dmitrenko, Pierre, Paris, France. Powder box. 1,875,572; Sept. 6.

Doak, Robert S., assignor to Premier Electric Company, Chicago, Ill. Radio circuit. 1,877,825; Sept. 20.

Doan, Herman, Winona, Mich. Foot accelerator guard. 1,847,787; Feb. 23.

Doane, Dorr B., Portland, Oreg. Automatic signal means. 1,851,493; Mar. 29.

Doane, Frank J. (See Pemberton, H., and Doane.)

Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Battery support. 1,872,621; Aug. 16.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Table lamp. Des. 87,049; May 31.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Swivel bracket for spotlights and the like. 1,840,768; Jan. 12.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lamp. 1,840,769; Jan. 12.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Adjustable hockey. 1,841,033; Jan. 19.

Doane, Leroy C., Meriden, Conn., assignor to Sanitary Public Service Corporation, New York, N. Y. Machine for making and vending or dispensing toilet seat covers and the like. 1,844,884; Feb. 9.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lamp. 1,852,740; Apr. 5.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Outdoor lighting unit. 1,852,741; Apr. 5.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Electric heater. 1,860,530; May 31.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Indirect lighting fixture. 1,862,369; June 7.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Health lamp socket. 1,864,810; June 28.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Inclosed lighting unit. 1,873,308; Aug. 23.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lamp. 1,873,309; Aug. 23.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Collapsible reflector. 1,873,310; Aug. 23.

Doane, Leroy C., and H. H. Wolter, assignors to The Miller Company, Meriden, Conn. Lighting fixture wall bracket. Re18,482; May 31.

Doba, Stephen. (See Hogg, J. L., and Doba.)

Doba, Stephen, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,854,823; Apr. 19.

Doba, Stephen, jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 1,850,859; Mar. 22.

Dobbie, Richard M., Ayr, Scotland. Athletic boot or shoe. 1,846,633; Feb. 23.

Dobbias, Harry, Sankey, near Warrington, assignor to Tilling Grey and Company Limited, Warrington, England. Spring clip plant support. 1,890,217; Dec. 6.

Dobbins, John F., Tulsa, Okla. Flame arrester. 1,839,655; Jan. 5.

Dobbins, Timothy C., assignor of one-half to S. H. Bassow, and one-fourth to E. Messina, Denver, Colo. Battery terminal. 1,865,681; July 5.

Dobbs, Loyle D., assignor to Minneapolis Bedding Company, Minneapolis, Minn. Bed. 1,880,890; Oct. 4.

Dobeckmun Company, The. (See Becker, L. A., and Munson, assignors.)

Dobke, Günther, Reinickendorf, Germany, assignor to General Electric Company. Degassing vacuum apparatus. 1,879,131; Sept. 27.

Dobbs, Ralph N., Bayside, N. Y., assignor to Pneumatic Scale Corporation, Quincy, Mass. Packaging machine. 1,857,625; May 10.

Dobbs, William A. jr., Berkeley, Calif. Fuel supply system. 1,863,192; June 14.

Dobmaier, Carl, Leverkusen near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Arylsulphamino-alpha-naphthol sulphonic acids. 1,879,132; Sept. 27.

Dobmaier, Karl, Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 1,878,471; Sept. 20.

Dobrick, August C., Chicago, Ill. Compression coupling. 1,889,778 Dec. 6.

Dobrovolny, Frank J., Niagara Falls, assignor, by mesne assignments, to The Roessler and Hasslacher Chemical Company, New York, N. Y. Refrigerating composition. 1,879,893; Sept. 27.

Dobson, Harry E., New York, N. Y. Liquid dispensing apparatus. 1,870,103; Aug. 2.

Dobson, Thomas, and Johnson, assignors to Globe-Union Mfg. Co., Milwaukee, Wis. Golf club. Des. 86,598; Mar. 29.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,843,416; Feb. 2.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,855,342; Apr. 26.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,857,946; May 10.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,858,041; May 10.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,870,001; Aug. 2.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,874,255; Aug. 30.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,874,256; Aug. 30.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,876,640; Sept. 13.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,877,563; Sept. 13.

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,880,891; Oct. 4.

Dobyne, John C., St. Louis, Mo. Bobbin-case retainer. 1,844,404; Jan. 26.

Dock, Harvey E., Detroit, Mich. Memorandum support. 1,865,241; June 28.

Dockman, Louis A., Baltimore, Md. Sinker. 1,869,305; July 26.

Dockree, Walter. (See Denniss, A. J., and Dockree.)

Dodamead, Lloyd M., Norfolk, Va. Internal combustion engine. 1,852,958; Apr. 5.

Dodd, David T., Flint, Mich. Bolt. 1,844,463; Feb. 9.

Dodd, Gerald D., Oakiyn, N. J. Apparatus for treating emulsions. 1,866,091; July 5.

Dodd, Grafton A., Chicago, Ill., assignor to Kieckhefer Container Co., Milwaukee, Wis. Container. 1,839,205; Jan. 5.

Dodd, Herbert. (See Bennett, N. Dodd, and Sprent.)

Dodd, Herbert. (See Bennett, N., Dodd, Sprent, and Holt.)

Dodd, Jessie A., Tulsa, Okla. Device for pairing hosiery. 1,859,817; May 24.

Dodd, Richard H., and L. R. Burrow, Stockton, Calif. Direction signal for motor vehicles. 1,875,996; Sept. 6.

Dodd, Roy S., and L. J. Evans, Tulsa, Okla.; said Evans assignor to said Dodd. Gas burner. 1,859,961; May 24.
Dodd, West, Des Moines, Iowa, and G. C. Caywood, Omaha, Nebr. Automobile compass. 1,867,612; July 19.
Dodelin, Fred A., Glen Ridge, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,878,472; Sept. 20.
Dodge, Adiel Y. (See Roth, Harris C., assignor.)
Dodge, Adiel Y., South Bend, Ind. One way reactance device. 1,849,267; Mar. 8.
Dodge, Adiel Y., South Bend, Ind. Variable speed transmission. 1,857,305; May 10.
Dodge, Adiel Y., South Bend, Ind. Brake. 1,866,252; July 5.
Dodge, Adiel Y., South Bend, Ind. Light projecting apparatus. 1,877,594; Sept. 13.
Dodge, Adiel Y., South Bend, Ind. Light projection apparatus. 1,880,892; Oct. 4.
Dodge, Adiel Y., South Bend, Ind. Light projecting apparatus. 1,880,893; Oct. 4.
Dodge, Adiel Y., South Bend, Ind. Air compressor. 1,891,083; Dec. 13.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. Re18,431; Apr. 19.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,842,899; Jan. 26.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Motor vehicle. 1,848,464; Mar. 8.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,856,070; May 3.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,871,407; Aug. 9.
Dodge, Adiel Y., assignor to Bendix-Cowdrey Brake Tester, Inc., South Bend, Ind. Adjustment of brakes. 1,872,127; Aug. 16.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Expanding clutch. 1,872,690; Aug. 23.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,874,927; Aug. 30.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,874,928; Aug. 30.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,874,929; Aug. 30.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Aviation Corporation. 1,878,824; Sept. 20.
Dodge, Adiel Y., South Bend, Ind., and C. H. Taylor, Detroit, Mich., assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,865,508; July 5.
Dodge, Annie J., Washington, D. C. Animal trap. 1,846,851; Feb. 23.
Dodge, Clinton C., Charlestown, Ind., assignor to Louisville Frog, Switch & Signal Company, Louisville, Ky. Reflecting unit. 1,858,141; May 10.
Dodge, Cleveland E., Brooklyn, N. Y. Constructing stereo chemical models. 1,851,159; Mar. 29.
Dodge, Henry A., Newton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe polishing machine. 1,888,261; Nov. 22.
Dodge, Horace E., Boat & Plane Corporation. (See Horn, William M., assignor.)
Dodge, John H., et al., trustees. (See Cameron, F. S., and Jones, assignors.)
Dodge, John S., Paxton, Mass. Reversible ratchet wrench. 1,883,618; Oct. 18.
Dodge Manufacturing Company Limited. (See Hertfelder, Henry, assignor.)
Dodge Manufacturing Corporation. (See Buettell, Marc A., assignor.)
Dodge Manufacturing Corporation. (See Mosher, J. F., and Van Derhoef, assignors.)
Dodge Manufacturing Corporation. (See Strong, Arthur P., assignor.)
Dodge, Milton L., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Can filling machine. 1,891,870; Dec. 20.
Dodge, Morton L. and P. E. Pearson, Seattle, Wash., assignors to Continental Can Company, Inc. Nesting can bodies. 1,886,171; Nov. 1.
Dodge, Milton L. (See Jordan, Hugh A., assignor.)
Dodge, Milton L., Newburyport, Mass. Making turn shoes. 1,854,397; Apr. 19.
Dodge, Milton L., Newburyport, Mass. Sole molding form. 1,868,526; July 26.
Dodge, Milton L., and H. A. Jordan, Newburyport, Mass.; said Jordan assignor to said Dodge. Sole molding mechanism. 1,854,398; Apr. 19.
Dodge, Milton L., Newburyport, and H. L. J. Duchemin, Haverhill, Mass.; said Duchemin assignor to said Dodge. Slipper and method of making. 1,861,844; June 7.
Dodge, Milton L., and H. A. Jordan, Newburyport, Mass.; said Jordan assignor to said Dodge. Making shoes. 1,872,571; Aug. 16.
Dodge, Prestel O., Long Beach, Calif. Paper deckling device. 1,846,094; Feb. 23.
Dodge, Ralph L., Charleston, W. Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nitrogen and hydrogen mixtures. 1,845,784; Feb. 16.
Dodge, Ralph L., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nitrogen and hydrogen mixtures. 1,845,785; Feb. 16.
Dodge, Ralph L., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nitrogen and hydrogen mixtures. 1,845,786; Feb. 16.
Dodge, Ralph L., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nitrogen and hydrogen mixtures. 1,845,787; Feb. 16.
Dodge, Sherwood O. (See Newton, R. C., and Dodge.)
Dodge, Sherwood O., Medford, and H. J. Malafey, Dorchester, assignors to Guaranteed Parts, Inc., Allston, Mass. Harness end for ties. 1,871,308; Aug. 9.
Dodgem Corporation. (See Markey, Fred L., assignor.)
Dodgem Corporation. (See Markey, F. L., and Stanton, assignors.)
Dodson, Alcada F., Chicago, Ill. Pocket knife. 1,853,672; Apr. 12.
Dodson, Edward, Streatham, London, England. Supplying fuel. 1,849,059; Mar. 15.
Dodson, Edward, Streatham, London, England. Fuel supply pump. 1,849,060; Mar. 15.
Dodson, Edward, Streatham, London, England. Fuel injection device for internal combustion engines. 1,891,082; Dec. 13.
Dodson, J. R. (See George, George C., assignor.)
Dodson, James Le R., Chicago, Ill. Ignition switch. Re18,608; Sept. 20.
Dodson, Sidney V., assignor of one-half to Victor L. Collins, Friendship, N. Y. Pipe stacking appliance for oil wells. 1,887,901; Nov. 15.
Doe, Thomas B., New York, N. Y. Fuse for projectiles. 1,863,837; June 21.
Doe, Thomas B., New York, N. Y. Fuse for antiaircraft projectiles. 1,863,838; June 21.
Doe, Thomas B., New York, N. Y. Fuse for antiaircraft projectiles. 1,870,420; Aug. 9.
Doebel, Henry W., Hanlontown, Iowa. Noncorrosive battery terminal post. 1,848,245; Mar. 8.
Doebrich, Joseph M., Tucson, Ariz. Tool grinding machine. 1,878,385; Sept. 20.
Doehler Die-Casting Co. (See Morin, Louis H., assignor.)
Doehler Vending Machines, Inc. (See Morin, Louis H., assignor.)
Doehring, Walter M. (See Apple, V. G., and Doehring.)
Doell, Theodore W., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Lubricating oil and producing the same. 1,867,695; July 19.
Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Valve. 1,840,140; Jan. 26.
Doen, Loran F., assignor, by mesne assignments, to The Patrol Valve Company, Cleveland, Ohio. Fuel supply control and ignition device. 1,842,239; Jan. 19.
Doenges, William F., San Antonio, Tex. Safety combination lock. 1,847,071; Mar. 1.
Doenges, William F., San Antonio, Tex. Screened combination lock. 1,848,997; Mar. 8.
Doepke, Edward R., Fairfield, Wash. Water-cooled refrigerator. 1,890,119; Dec. 6.
Doer, Carl, sr. Nieder-Ramstadt, near Darmstadt, Germany. Electric lighter for cigars, cigarettes, and the like. 1,854,985; Apr. 19.
Doerr, Justin J. (See Doerr, Louis J. and J. J.)
Doerr, Louis J. and J. J., assignors of four-fifths to Louis J. Doerr Motor Works Company, St. Louis, Mo. Cylinder grinding and honing machine. 1,880,675; Dec. 13.
Doerr, Louis J., Motor Works Company. (See Doerr, Louis J. and J. J., assignors.)
Doerfler, Alfred M., Mansfield, assignor to Everett E. Kent, Newton, Mass. Toy boat. 1,857,094; May 3.
Doering, Albert L., assignor to J. S. Thorn Company, Germantown, Pa. Metallic window structure. 1,883,619; Oct. 18.
Doering, Charles, Chicago, Ill. Barrel manipulating device. 1,842,391; Jan. 26.
Doering, Charles, Chicago, Ill. Liquid merchandise dispenser. 1,873,929; Aug. 23.
Doering, Charles and H., Chicago, Ill. Butter cutting machine. 1,873,923; Aug. 23.
Doering, Charles and H. H., Chicago, Ill. Automatic butter forming and cutting machine. 1,873,311; Aug. 23.
Doering, Charles and H. H., G. Alstad, and B. Skoglund, Chicago, Ill., assignors to said Charles Doering and said Henry H. Doering. Wrapping machine. 1,858,540; May 17.
Doering, Charles J., and W. M. Doering, Cincinnati, Ohio. Tire stand. 1,864,234; June 21.
Doering, Henry H. (See Doering, Charles and H.)
Doering, Henry H. (See Doering, Charles and H. H., Alstad, and Skoglund.)
Doering, Ulrich. (See Spanner, H. J., and Doering.)
Doering, William M. (See Doering, Charles J., and W. M.)
Doermann, Albert J., assignor to Tiran Abrasives Co., Chicago, Ill. Abrasive disk. 1,856,321; May 3.
Doerner, Max, Astoria, N. Y. Boiler. 1,860,495; May 31.
Doerr, Harry E., assignor to Scullin Steel Company, St. Louis, Mo. Bolster end construction. 1,878,473; Sept. 20.
Doeschot, John, et al. (See Abbink, Albert, assignor.)

Doetsch, Laura, Chicago, Ill. Nest of chairs. 1,886,172; Nov. 1.

Dognin, Jean, Paris, France, assignor to The Lace Net Importing Co. Inc., New York, N. Y. Lace. Des. 88,158; Oct. 25.

Dognin, Jean, Paris, France, assignor to The Lace Net Importing Co. Inc., New York, N. Y. Lace. Des. 88,341; Nov. 22.

Dognin, Jean, Paris, France, assignor to The Lace Net Importing Co. Inc., New York, N. Y. Lace. Des. 88,342; Nov. 22.

Dognin, Jean, Paris, France, assignor to The Lace Net Importing Co. Inc., New York, N. Y. Lace. Des. 88,508; Dec. 6.

Dognin, Jean, Paris, France, assignor to The Lace Net Importing Co. Inc., New York, N. Y. Lace. Des. 88,761; Dec. 27.

Doherty-Stone Iron Co. (See Stone, Frederick, assignor.)

Doherty-Brehm Company. (See Doherty, George D., assignor.)

Doherty, George D., assignor to Doherty-Brehm Company, Minneapolis, Minn. Air humidifier. 1,839,206; Jan. 5.

Doherty, George D., assignor to Doherty-Brehm Company, Minneapolis, Minn. Air humidifier. 1,869,549; Aug. 2.

Doherty, Henry L. (See Loebell, Henry O., assignor.)

Doherty, Henry L., New York, N. Y. Production of oil from oil sands in the earth. 1,885,807; Nov. 1.

Doherty, Henry L., New York, N. Y. Developing oil fields. 1,872,906; Aug. 23.

Doherty, Henry L., assignor to Combustion Utilities Corporation, New York, N. Y. House heating system. 1,868,051; July 19.

Doherty, Henry L., assignor to Combustion Utilities Corporation, New York, N. Y. Burning fluid fuel. 1,872,907; Aug. 23.

Doherty, Henry L., assignor to Doherty Research Company, New York, N. Y. Distilling hydrocarbon oils. 1,872,908; Aug. 23.

Doherty Research Company. (See Bjorkstedt, William G., assignor.)

Doherty Research Company. (See Brandt, David G., assignor.)

Doherty Research Company. (See Burch, Eli F., assignor.)

Doherty Research Company. (See Coakley, Walter C., assignor.)

Doherty Research Company. (See Doherty, Henry L.)

Doherty Research Company. (See Goldsborough, Winder E., assignor.)

Doherty Research Company. (See Griswold, Robert G., assignor.)

Doherty Research Company. (See Isham, Robert M., assignor.)

Doherty Research Company. (See Lyons, Henry N., assignor.)

Doherty Research Company. (See Merley, Sylvan R., assignor.)

Doherty Research Company. (See Merley, S. R., and Spring, assignors.)

Doherty Research Company. (See Morgan, John D., assignor.)

Doherty Research Company. (See Nevins, C. A., and Wright, assignors.)

Doherty Research Company. (See Rush, Earl S., assignor.)

Doherty Research Company. (See Saathoff, George W., assignor.)

Doherty Research Company. (See Taylor, Robert H., assignor.)

Doherty, Robert K., Detroit, Mich., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Gas protected lock. 1,862,258; June 7.

Dohme, Alfred R. L., assignor to Sharp & Dohme, Inc., Baltimore, Md. Higher alkyl resorcinols. 1,858,042; May 10.

Dohner, Donald R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cabinet. Des. 86,669; Apr. 5.

Dohner, Donald R., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Refrigerator cabinet. Des. 86,878; May 3.

Dohrmann Hotel Supply Co. (See Diebenkorn, Richard C., assignor.)

Dohrn, Max, Berlin-Charlottenburg, and A. Thiele, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Making metal salts of halogen substituted quinoline carboxylic acids and the products. 1,846,321; Feb. 23.

Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Berlin-Neuf nkenkrug, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Compound of heterocyclic azo derivatives and making them. 1,862,361; June 7.

Dohrn, Max, Berlin-Charlottenburg, and W. Hohlweg, Berlin-Hohenschonhausdorf, assignors to Schering-Kahlbaum, A.-G., Berlin, Germany. Recovery of a highly purified hormone of the anterior lobe of the pituitary gland. 1,869,095; July 19.

Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug-Osthavelland, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Production of diiodochelidamic acid. 1,869,672; Aug. 2.

Dohrwardt, John F., assignor to Line Material Company, South Milwaukee, Wis. Fuse box structure. 1,857,442; May 10.

Do-Huu Chan, André, Cirey-sur-Vezouze, assignor to Société Anonyme des Manufactures des Glaces & Produits Chemiques de Saint Gobain, Chauny & Cirey, Paris, France. Process and apparatus for the manufacture of glass. 1,892,458; Dec. 27.

Doidge, Russell Mervyn, assignor to The Morgan Crucible Company Limited, Battersea, London, England. Manufacture of graphitic compositions. 1,868,631; July 26.

Doino, Carmine, New Haven, Conn. Automatic timer for photo-timing machines. 1,865,397; June 28.

Dolamore, Earl W., assignor to Dolamore Doodads, Bronson, Mich. Assembling device. 1,856,948; May 3.

Dolan & Bullock. (See Carlson, Oscar, assignor.)

Dolan, David J., Cleveland Heights, Ohio. Throttle control. 1,860,081; May 24.

Dolan, David J., assignor to The Cardel Company, Inc., Cleveland, Pa. Throttle control. 1,854,735; Apr. 19.

Dolan, Edward J., Philadelphia, Pa. Bridge for stringed musical instruments. 1,852,509; Apr. 5.

Dolan, Lee A., et al. (See Elliott, James A., assignor.)

Dole Refrigerating Machine Company. (See Kleist, Herman W., assignor.)

Dole Valve Company. (See Lund, James K., assignor.)

Dolen, Prather, Beatrice, Nebr. Dish washing machine. 1,847,386; Mar. 1.

D'Oler, Henry, jr., Bridgeport, Conn. Lighting fixture. 1,852,432; Apr. 5.

D'Oler, Henry, jr., Bridgeport, Conn. Fixture hanger. 1,853,620; Oct. 18.

D'Oler, Henry, jr., Bridgeport, Conn. Outlet box. 1,883,621; Oct. 18.

D'Oler, Henry, jr., Bridgeport, Conn. Reversible bridge suspension strap. 1,891,756; Dec. 20.

Doll, Emil, West New York, N. J. Toothbrush. 1,874,467; Aug. 30.

Doll, Walter, Granville, N. Y. Game apparatus. 1,857,588; May 10.

Doller, Joseph F., St. Louis, Mo. Armrest. 1,873,190; Aug. 23.

Dolley, Paul T., Los Angeles County, Calif., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Apparatus for the production of hydrocyanic acid. 1,862,179; June 7.

Dollhopf, Hans, Buffalo, N. Y. Bell hammer holder. 1,873,870; Sept. 13.

Dollin, Edgar N., Malba, and W. Gebauer, Forest Hills, assignors to Allied Die-Casting Corporation, Long Island City, N. Y. Casting machine. 1,851,756; Mar. 29.

Dollinger, Lewis L., Rochester, N. Y. Pipe line filter. 1,878,681; Sept. 20.

Dollinger, Lewis L., Rochester, N. Y. Valve. 1,890,281; Dec. 6.

Dolmage, Nibran M., Washington, D. C. Negative resistance. 1,863,566; June 21.

Dolph, Warner L., and N. H. Lewis, Rochester, N. Y. Cylindrical grinding attachment for surface grinders. 1,879,134; Sept. 27.

Dolt, Maurice L. (See Beardsley, A. P., and Dolt.)

Dolt, Maurice L. (See Crossley, M. L., and Dolt.)

Dolza, John, Flint, assignor to General Motors Corporation, Detroit, Mich. Air cleaner and muffler. 1,872,015; Aug. 16.

Dom, Dudley A., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Yarn, cord, and the like. 1,854,120; Apr. 12.

Dom, Dudley A., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Brake band lining. 1,857,108; May 3.

Dom, Dudley A., Wyoming, and W. J. Moeller, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company. Yarn, cord, thread, etc., and manufacturing same. 1,854,119; Apr. 12.

Dombroski, Joseph J., La Crosse, Wis. Ballet slipper. 1,889,275; Nov. 29.

Domaica, Angel L., Las Rosas, Argentina. Cereal weighing and transporting device. 1,870,240; Aug. 9.

Doman, Albert E., assignor to Owen-Dyneto Corporation, Syracuse, N. Y. Apparatus for controlling the battery charging circuit of variable speed dynamo electric machines. 1,856,050; Apr. 26.

Doman, Carl, assignor to Franklin Development Corporation, Syracuse, N. Y. Retarding spinning of automobile transmission gears during gear shifting operation. 1,851,571; Mar. 29.

Doman, Carl T., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Fan construction. 1,876,871; Sept. 13.

Doman, John P., Los Angeles, Calif. Folding board. 1,861,047; Oct. 4.

Dombrowski, Alexander J., Neshkoro, Wis. Adjustable snow plow shoe. 1,887,419; Nov. 8.

Domestic Electric Company, The. (See Poesse, Walter H., assignor.)

Dominion Engineering Works Limited. (See Malkin, Bernard A., assignor.)

Dominion Motors, Limited. (See Ruppel, F. C., assignor.)

Dominion Truck Equipment Co. (See Gurton, W. S., Plint, and Nyberg, assignors.)

Dominion Truck Equipment Co. Limited. (See Gurton, W. S., Plint, and Nyberg, assignors.)

Dominus, Samuel, Brooklyn, N. Y. Cigarette lighter and case combined. 1,892,450; Dec. 27.

Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,840,770; Jan. 12.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,844,274; Feb. 9.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,846,026; Feb. 23.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,846,710; Feb. 23.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,856,696; May 3.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,856,697; May 3.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,856,698; May 3.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,859,356; May 24.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,865,509; July 5.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,885,336; Nov. 1.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,885,239; Nov. 1.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,885,240; Nov. 1.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,891,223; Dec. 20.
Domm, Charles, assignor of one-fourth to L. J. Gilchrist, Detroit, Mich. Container for use with refrigerators and display counters. 1,887,402; Nov. 8.
Domont, Ben, Indianapolis, Ind. Bottle or the like. Des. 86,155; Feb. 9.
Domscheit, Alfred. (See Raven-Rosen-Baum, E., and Domscheit.)
Domzalski, Casimir A., Detroit, Mich. Motor vehicle testing apparatus. 1,870,716; Aug. 9.
Don Chemical Company, The. (See Collings, W. R., and Gilg, Andrew.)
Donaghy, James K. (See Messier, H. J., and Donaghy.)
Donahoo, Charles E., East Moline, Ill. Fruit and vegetable cutter. 1,866,630; July 12.
Donahue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)
Donahue, Albert S., Chicago Heights, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for surfacing roofing. 1,873,622; Aug. 16.
Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterville, Conn. Adjustable extension handle. 1,856,845; May 3.
Donahue, James P. T., Chicago, Ill. Attachment plug. 1,846,251; Feb. 23.
Donald, Forrest V., Marshalltown, Iowa, assignor to Gilson Manufacturing Company, Port Washington, Wis. Adjustable connecter. 1,863,970; June 21.
Donald, George W., et al. (See Donald, Louis E., assignor.)
Donald, Harry G., U. S. Navy. Liquid vaporizer. 1,884,614; Oct. 25.
Donald, Louis E., assignor of one-third to G. W. Donald and one-third to G. D. Burpee, Oakland, Calif. Hose clamp. 1,847,475; Mar. 1.
Donaldson, Alfred S., Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Hand mirror or similar toilet article. Des. 87,564; Aug. 16.
Donaldson Arch M., Fort Thomas, assignor to The Donaldson Art Sign Company, Covington, Ky. Sign. 1,844,545; Feb. 9.
Donaldson Art Sign Company, The. (See Donaldson, Arch M., assignor.)
Donaldson, Charles H. (See Mabee, Charles R., assignor.)
Donaldson Company. (See Lowther, Wilfred W., assignor.)
Donaldson, Eleanor, Minneapolis, Minn. Hose supporter for women. 1,874,089; Aug. 30.
Donaldson, Francis, Yonkers, assignor to Mason & Hanger Company, Inc., New York, N. Y. Method in construction of subaqueous tunnels. 1,883,622; Oct. 18.
Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 1,850,343; Mar. 22.
Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 1,875,427; Sept. 6.
Donaldson, George, Inglewood, Calif. Automatic filtering apparatus. 1,862,050; June 7.
Donaldson, John S., New York, N. Y. Shaping machine. 1,851,004; Mar. 29.
Donaldson Manufacturing Company. (See Hadden, William J., assignor.)
Donat, Karl. (See Rudenberg, R., Berthold, Donat, and Espe.)
Donato, Anthony, Schenectady, N. Y. Hatband. 1,869,801; Aug. 2.
Done, James V., Tulsa, Okla. Furnace wall. 1,843,384; Feb. 2.
Doneff, Tom, Burnham, Pa. Safety stop for elevators. 1,850,018; May 24.
Donegan, Michael L. (See Donegan, Vincent and M. L.)
Donegan, Vincent, Pearre, and M. L. Donegan, Hagerstown, assignors of one-half to C. T. Callan, Little Orleans, Md. Vegetable plant sprayer. 1,849,615; Mar. 15.
Donisthrope, Horace S. D., London, England, assignor to Radio Corporation of America. Thermionic valve. 1,843,213; Feb. 2.
Donkin, Edwin. (See West, F. B., Pidcock, and Donkin.)
Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Rectifier. 1,850,451; Mar. 22.
Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y. Rectifier. 1,850,981; Mar. 22.
Donley, Charles, assignor to Wrought Iron Company of America, Lebanon, Pa. Tensioning means for feed rolls and the like. 1,883,623; Oct. 18.
Donley, Harold B., assignor to Columbus Auto Brass Company, Columbus, Ohio. Lamp construction. 1,874,088; Aug. 30.
Donley, Harold B., A. J. Frame, and J. G. Gilmore, assignors to Franklin Oil Heating, Incorporated, Columbus, Ohio. Oil burning apparatus. 1,869,239; July 26.
Donnell, Lawrence R. (See Whiteford, T., and Donnell.)
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Feeder attachment for coin counting machines. 1,850,387; Mar. 22.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Stop mechanism for coin counting machines. 1,853,971; June 21.
Donnelly, James A., Brooklyn, N. Y., assignor to Warren Webster & Company. Steam heating system and regulator therefor. 1,874,174; Aug. 30.
Donnelly-Jenkins Company. (See Donnelly, Joseph F., assignor.)
Donnelly, Joseph F., Lemont, assignor to Donnelly-Jenkins Company, Chicago, Ill. Heating fluids in a still or the like. 1,856,061; Apr. 26.
Donnet, Philip C., Summit, assignor to The Chapal Donner Corporation, Kearny, N. J. Hat making machinery. 1,882,003; Oct. 11.
Donner, Robert. (See Butler, Edward A., assignor.)
Donner, Marguerite, Bern, Switzerland. Brassière. 1,891,871; Dec. 20.
Donohue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)
Donohue, Anthony J., assignor to Simplex Gas Products Corporation, Philadelphia, Pa. Thermostatic burner control. 1,855,519; Apr. 26.
Donohue, James J., Jersey City, N. J., assignor of one-half to J. E. Hays, New York, N. Y. Gas shut-off system and apparatus. 1,866,266; July 5.
Donovan, Arthur F., Hartford, Conn. Button. Des. 87,713; Sept. 6.
Donovan, Arthur F., Hartford, Conn. Dress buckle or similar article. Des. 87,714; Sept. 6.
Donovan, Edward B., Spirit Lake, Iowa. Trocar. 1,852,213; Oct. 11.
Donovan, Faye E., Modesto, Calif. Smoker's stand. Des. 86,950; May 17.
Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland, Ohio, assignors to General Electric Company. Method of and apparatus for soldering. 1,857,182; May 10.
Donovan, John F., and G. Illingworth, East Cleveland, Ohio, assignors to General Electric Company. Device for feeding glass articles. 1,888,851; Nov. 22.
Donovan, Norman E., and C. H. Lake, Jersey City, N. J., assignors to The Union Switch & Signal Company, Swissvale, Pa. Electric interlocking machine. 1,859,034; Sept. 27.
Donovan, Patrick H., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake equipment. 1,865,090; June 28.
Donovan, Patrick H., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure water system. 1,889,120; Nov. 29.
Doody, Frederick C., St. Croix, Dak., assignor of one-half to T. H. Lindley, Omaha, Nebr. Tractor supported and operated hay sweep and stacker. 1,886,655; Nov. 8.
Doody, John A., Tracy, Calif. Vehicle. 1,871,592; Aug. 16.
Dooley, Ann N., Wilmington, N. C. Baby's and young child's sleeping garment. 1,840,888; Jan. 12.
Dooley Brothers. (See Dooley, Edward J., assignor.)
Dooley, C. E., et al. (See Bierlich, John H., assignor.)
Dooley, C. E., et al. (See Bierlich, Kenneth G., assignor.)
Dooley, Catherine L., administratrix. (See Dooley, Edward J.)
Dooley, Delmar D., assignor to Dooley Improvements Inc., Rock Island, Ill. Filter. 1,884,615; Oct. 25.
Dooley, Delmar D., assignor to Dooley Improvements Inc., Rock Island, Ill. Filter. 1,884,616; Oct. 25.
Dooley, Edward J., deceased, K. L. Dooley, administratrix, assignor to Dooley Brothers, Peoria, Ill. Mining drill. 1,864,987; June 28.
Dooley Improvements, Inc. (See Cole, Don, assignor.)

Dooley Improvements Inc. (See Dooley, Delmar D., assignor.)
Doolittle, Eva R., assignor to Kirsch Company, Sturgis, Mich. Traverse cord separator. 1,852,234; Apr. 5.
Doolittle, Jacob M., Pittsburgh, Pa. Arch support. 1,839,518; May 24.
Doolittle, Louis A., St. Petersburg, Fla. Motion picture projecting machine. 1,844,946; Feb. 16.
Doolittle, Ora M., et al. (See Hewitt, William H., assignor.)
Doolittle, Robert L., and W. C. Hunter, Montgomery, Ala. Control valve. 1,855,386; Apr. 26.
Doose, Gabriel H. W., New Orleans, La. Lowering apparatus. 1,888,912; Nov. 22.
Doty, John R., Liberal, Kans., assignor to Clarence P. Williams, Miami, Okla. Latch lubricator. 1,892,043; Dec. 27.
Döppenschmitt, Friedrich, Pforzheim, Germany. Flexible band. 1,845,741; Mar. 15.
Doptis, Andrew J., Detroit, Mich. Placing tool for automobile motor valve shoes. 1,874,257; Aug. 30.
Dopyera, Rudolph, Los Angeles, Calif. Cover plate for musical instruments. Des. 86,705; Apr. 12.
Dopyera, Rudolph, Los Angeles, Calif. Stringed musical instrument. 1,872,633; Aug. 16.
Doran, Albert B., assignor to Hughes Development Company, Ltd., Los Angeles, Calif. Photographic sensitometer. 1,883,884; Oct. 25.
Doran, David D. and G. D., Pittsburgh, assignors of two-fifths to F. J. Brown, Dubois, Pa. Arch support. 1,848,378; Mar. 8.
Doran, George F., Worcester, Mass. Refining and purification of metals. 1,857,947; May 10.
Doran, Gerald D. (See Doran, David D. and G. D.)
Doran, James F., Dannemora, N. Y., deceased, J. C. Doran, executor. Hat ironing machine or the like. 1,841,845; Jan. 12.
Doran, John C., executor. (See Doran, James F., assignor.)
Doran, John H., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,847,931; Mar. 1.
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Turbine. 1,873,743; Aug. 23.
Doran, Leroy O., assignor to Carter Radio Company, Chicago, Ill. Constant line and speaker impedance volume control. 1,881,024; Oct. 4.
Dorau, John P., Portage, Wis. Folding ironing table. 1,847,387; Mar. 1.
Dorcas, Merrill J., Cleveland, Ohio, assignor to National Carbon Company, Inc. Arc carbon for producing ultraviolet light. 1,862,300; June 7.
Dordan, Andrew, and Ole Johnson, Minneapolis, Minn. Hinge plate. Des. 87,301; July 5.
Dore, Joseph P., assignor to Holland Furnace Company, Holland, Mich. Fan blade attachment. 1,869,802; Aug. 2.
Doremus, Edward P., Weeks Island, La. Propeller. 1,864,716; June 28.
Doremus, Laura, New York, N. Y. Toy. 1,877,826; Sept. 20.
Dorey, George B., Evanston, Ill. Latch. 1,853,851; Apr. 12.
Dorey, George B., Evanston, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 1,853,852; Apr. 12.
Dorey, George B., Evanston, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car construction. 1,861,153; May 31.
Dorey, George B., Evanston, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 1,865,747; July 12.
Dorey, William A., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,870,241; Aug. 9.
Dorfan, Morton I., assignor to Pangborn Corporation, Hagerstown, Md. Coal cleaning air treatment method and apparatus. 1,870,042; Aug. 2.
Dorff, Julius A., Bloomfield, N. J., and G. Sandalls, jr., North Tarrytown, N. Y., assignors to American Telephone and Telegraph Company. Magneto-optical device. 1,866,631; July 12.
Dorfman, Albert, Hackensack, N. J. Tool head retainer. 1,889,400; Nov. 29.
Dorgeloh, George H., East Orange, and T. I. Maslin, Bloomfield, N. J., assignors to General Electric Company, Electric switch. 1,853,964; Apr. 12.
Dorin Corporation, The. (See Bortone, Frank, assignor.)
Dorine Company, Inc. (See Doring, Max B. A., assignor.)
Döring, Fritz, Berlin-Frohnau, and R. Schmock, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for the telegraphic transmission of pictures and the like. 1,851,545; Mar. 29.
Döring, Fritz, Berlin-Frohnau, and W. Lohs, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Coupling for revolving parts. 1,854,829; Apr. 19.
Döring, Fritz, Berlin-Frohnau, and P. Storch, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Chemical picture telegraphy receiver. 1,857,126; May 10.

Doring, Max B. A., assignor to Doring Company, Inc., New York, N. Y. Power transmitting mechanism. 1,873,558; Sept. 6.
Dorion, Michael, Rumford, Me. Price indicator. 1,860,772; May 31.
Dorland, Clement L., Bakersfield, Calif. Air conditioner. 1,879,133; Sept. 27.
Dorman, Neal W., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Fluid pressure accumulator. 1,861,154; May 31.
Dorman, Neal W., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Hydraulic control mechanism. 1,861,530; June 28.
Dorman, Neal W., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Connection. 1,880,894; Oct. 4.
Dorman, Neal W., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Adjustable tripping device. 1,885,420; Nov. 1.
Dorn, Walter. (See Kammmaier, A., and Dorn.)
Dornan, John F., assignor to Wilson & Company, Chicago, Ill. Hair spreading machine. 1,875,710; Sept. 6.
Dornbrook, Frederick L., assignor to The Milwaukee Electric Railway and Light Company, Milwaukee, Wis. Apparatus for handling pulverulent materials. 1,844,642; Feb. 9.
Dornbusch, Josef, Crefeld, Germany, assignor to The Artcote Papers, Inc., Irvington, N. J. Wallpaper or similar article. Des. 86,999; May 24.
Dornbusch, Josef, Crefeld, Germany, assignor to The Artcote Papers, Inc., Irvington, N. J. Wallpaper or similar article. Des. 87,000; May 24.
Dorne, Peter P. (See Reynolds, Hugh D., assignor.)
Dorner, Hermann J. A. (See Widmann, Adolf A., assignor.)
Dorner, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Trimming machine. 1,855,793; Apr. 26.
Dorner, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heel-trimming machine. 1,855,794; Apr. 26.
Dornseiff, Julius, Konstanz-Petershohe, near Tegel-Berlin, assignor to Typograph, G. m. b. H., Berlin, Germany. Ring spacer for matrix setting and type line casting machines. 1,870,717; Aug. 9.
Dornfeld, John F., San Diego, Calif. Grave marker. Des. 86,304; Feb. 23.
Dornhofer, Louis J., assignor of one-half to H. A. Fales, Leonia, N. J. Steam and water mixer. 1,886,534; Nov. 8.
Dornier, Claude, assignor of one-half to Dornier-metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Wing for airplanes. 1,861,596; June 7.
Dornier-Metallbauten G. m. b. H. (See Dornier, Claude, assignor.)
Dorogi & Co. Rubber Goods Factory Ltd., Dr. (See Dorogi, Istvan and L., assignors.)
Dorogi, Dr., Es Tarsa Gummigyar R. T. (See Dorogi, Istvan and L., assignors.)
Dorogi, Istvan, and L., Budapest, assignors of one-half to Dr. Dorogi Es Tarsa Gummigyar R. T., Budapest-Alberttalva, Hungary. Template for the manufacture of flat articles from thin sheets of rubber. 1,858,183; Apr. 26.
Dorogi, Istvan, and L., Budapest, assignors of one-half to Dr. Dorogi Es Tarsa Gummigyar R. T., Budapest-Alberttalva, Hungary. Pressing and cutting template for the production of articles composed of crude rubber sheets. 1,869,550; Aug. 2.
Dorogi, Istvan and L., Budapest, assignors of one-half to Dr. Dorogi & Co. Rubber Goods Factory Ltd., Budapest-Alberttalva, Hungary. Inflatable hollow rubber article and process for its production. 1,881,048; Oct. 4.
Dorogi, Lajos. (See Dorogi, Istvan, and L.)
Dorough, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of styrene. 1,892,286; Dec. 27.
Dorph, Dagdn, Brooklyn, N. Y. Weapon. 1,839,870; Jan. 5.
Dorr Company, The. (See Baker, John A., assignor.)
Dorr Company, The. (See Becraft, Frank W., assignor.)
Dorr Company, The. (See Bousman, Samuel I., assignor.)
Dorr Company, The. (See Coley, Francis B., assignor.)
Dorr Company, The. (See Finney, J. H. V., assignor.)
Dorr Company, The. (See Harms, Viggo, assignor.)
Dorr Company, The. (See Kivari, Arthur M., assignor.)
Dorr Company, The. (See Marriott, Alexander D., assignor.)
Dorr Company, The. (See Maust, Ernest J., assignor.)
Dorr Company, The. (See Newton, Harry W., assignor.)
Dorr Company, The. (See Piper, William E., assignor.)
Dorr Company, The. (See Scott, Charles H., assignor.)
Dorr Company, The. (See Shimmin, John T., assignor.)
Dorr Company, The. (See Weber, William C., assignor.)
Dorr Company, Inc., The. (See Ramsey, E. R., and Bull, assignors.)
Dörr, Eduard. (See Weihe, A., Leuchs, and Dörr.)
Dorr, George W., Washington, D. C. Toy railway. 1,845,962; Feb. 16.
Dorr, Oscar S., Fond du Lac, Wis., assignor to Goodbar Manufacturing Corporation, New York, N. Y. Garment. 1,859,266; May 17.
Dorrance, David W., San Jose, Calif. Lock joint for artificial hands. 1,846,954; Feb. 23.

Dorrer, August, W. Scheurer, and A. Ohmer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing preparation for coloring chrome leather and making the same. 1,876,641. Sept. 13.

Dorrien, Liebert W. Y., Mexico, Mexico. Domestic rodent exterminator. 1,889,276 ; Nov. 29.

Dorrington, Neill E., and W. R. Peterson, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Bag filling machine. 1,880,895 ; Oct. 4.

D'Orsay, Maurice B. (See Marchese, J., and D'Orsay.)

D'Orsay Perfumeries Corporation. (See Delaize, Paul C., assignor.)

Dorsch, Charles F. (See Sprague, L. A., and Dorsch.)

Dorsch, Frank A., Milwaukee, Wis. Game. 1,874,930 ; Aug. 30.

Dorsch, John S., Chicago, Ill., assignor to Loose Leaf Metals Co. Loose leaf gold binder. 1,841,575 ; Jan. 19.

Dorschel, John L., Kitchener, Canada. Check valve for smoking articles. 1,885,689 ; Nov. 1.

Dorsett, James D. (See Koontz, David R., assignor.)

Dorsett, Ralph J., San Francisco, Calif., assignor to Inventors' Cooperative, Inc., Reno, Nev. Automobile direction signal. 1,846,416 ; Feb. 23.

Dorsey, Hermino L., Los Angeles, Calif. Device to facilitate the ventilating and fitting of hats. 1,855,795 ; Apr. 26.

Dorsey, Vernon M., Chevy Chase, Md., assignor, by mesne assignments, to The American Bicheroux Company. Receiving glass sheets. 1,869,306 ; July 26.

Dorsey, William H., Rochester, assignor, by mesne assignments, to Prosperity Company, Inc., Syracuse, N. Y. Pocket and cuff cleaner. 1,865,510 ; July 5.

D'Orsi, Raffaelino, (See Codino, Aurelio, assignor.)

Dort, Wakefield. (See Meehan, G. F., and Kennedy, assignors.)

Dorton, John M., Bonner Springs, Kans. Adjustable seat. 1,839,656 ; Jan. 5.

Dorward, Raymond. (See Rasmussen, A. C., Dorward, and Gerber.)

Dosch, Charles R. (See Locke, S. D., and Dosch.)

Doser, Albert J., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure responsive instrument. 1,869,934 ; Aug. 2.

Doser, Arnold. (See Thauss, A., Mauthe, and Doser.)

Dosne, Rene, Hawkesbury, Ontario, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Producing pure cellulose from cellulosic raw materials. 1,854,331 ; Apr. 19.

Dosne, Rene, Hawkesbury, Ontario, assignor to Canadian International Paper Company, Montreal, Canada. Preparing cellulose xanthate. 1,857,948 ; May 10.

Dos Santos, Koal, Honolulu, Hawaii. Bread box. 1,848,577 ; Mar. 8.

Dost, Fred, Freeport, N. Y., assignor to Robert Reiner Inc., Weehawken, N. J. Transfer device for knitting machines. 1,849,077 ; Mar. 15.

Dotter, Arthur L., Pittsburgh, Pa., assignor to Mine Safety Appliances Company. Apparatus for purifying air. 1,847,297 ; Mar. 1.

Doty, Wade, Jamestown, N. Y., assignor to International Air Brake Company, Salt Lake City, Utah. Vacuum controlling brake valve. 1,882,411 ; Oct. 11.

Doub, Clarence C., assignor to The Floorola Corporation, York, Pa. Floor polishing machine. Des. 86,706 ; Apr. 12.

Doub, Edwin A., Walnut, Kans., assignor of one-half to J. M. Harper, Kansas City, Mo. Starting gear. 1,876,642 ; Sept. 13.

Doubek, Joseph F., Cicero, Ill. Trucking apparatus. 1,867,446 ; July 12.

Doucette, Edmund J., Brooklyn, N. Y. Window sash lock. 1,854,646 ; Apr. 19.

Douden, William L., Brooklyn, N. Y., assignor to Radio Corporation of America. Sound record and producing the same. 1,840,351 ; Jan. 12.

Dougan, Charles. (See Brasser, H. A., and Dougan.)

Dougherty, John M., St. Louis, Mo. Pressure relief valve device. 1,874,931 ; Aug. 30.

Dougherty, Ralph P., Portland, Oreg. Sousaphone. Des. 87,091 ; May 24.

Dougherty, Robert H., Scotia, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,863,398 ; June 14.

Dougherty, Robert S. A., Bethlehem, Pa., assignor to Bethlehem Steel Company. Gear entraining mechanism. 1,844,244 ; Feb. 9.

Dougherty, Robert S. A., and N. Greenwell, Bethlehem, Pa., assignors to Bethlehem Steel Company. Engine. 1,860,834 ; May 31.

Dougherty, Samuel M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker system. 1,841,094 ; Jan. 12.

Doughnut Machine Corporation. (See Bergner, John C., assignor.)

Doughnut Machine Corporation. (See Blinn, Harry M., assignor.)

Doughnut Machine Corporation. (See Hunter, Herbert T., assignor.)

Doughnut Machine Corporation. (See Kaufmann, James J., assignor.)

Doughnut Machine Corporation. (See Morris, Frank E., assignor.)

Doughty, Addie A. (See Doughty, William J., assignor.)

Doughty, Alfred J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Keyboard for calculating machines. 1,880,896 ; Oct. 4.

Doughty, George E., New York, assignor to The Cooke & Cobb Company, Brooklyn, N. Y. Filling device. 1,842,077 ; Jan. 19.

Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Dispensing apparatus. 1,847,932 ; Mar. 1.

Doughty, William J., assignor to A. A. Doughty, Detroit, Mich. Attachment for golf bags. 1,862,785 ; Oct. 13.

Douglas Aircraft Company. (See Anderson, Robert, assignor.)

Douglas Aircraft Company. (See Douglas, Donald W., assignor.)

Douglas, Archer M. (See Kunian, P., and Douglas.)

Douglas, Donald W., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Amphibian air vehicle. 1,890,902 ; Dec. 13.

Douglas, Edwin R., Baltimore, Md., assignor of one-half to H. Barker, Montclair, N. J. Screw pump. 1,861,155 ; May 31.

Douglas, Frederic E., assignor to Draper Corporation, Hopedale, Mass. Shuttle spring. 1,890,315 ; Dec. 6.

Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 1,892,387 ; Dec. 27.

Douglas, Harry A. (See Crapp, George L., assignor.)

Douglas, Harry A. (See Dolamore, Earl W., assignor.)

Douglas, Harry A. (See Schmid, William, assignor.)

Douglas, Harry A. (See Ward, Felix J., assignor.)

Douglas, Harry A., Bronson, Mich. Signaling system switch for automotive vehicles. 1,846,313 ; Feb. 23.

Douglas, Harry A., Bronson, Mich. Circuit maker and breaker. 1,853,513 ; Apr. 12.

Douglas, Harry A., Bronson, Mich. Electric lamp. 1,853,514 ; Apr. 12.

Douglas, Harry A., Bronson, Mich. Igniter. 1,859,201 ; May 17.

Douglas, Harry A., Bronson, Mich. Signaling system for automotive vehicles. 1,862,738 ; June 14.

Douglas, Harry A., Bronson, Mich. Signaling system for automotive vehicles. 1,862,739 ; June 14.

Douglas, Harry A., Bronson, Mich. Reflecting electric lamp. 1,864,642 ; June 28.

Douglas, Harry A., Bronson, Mich. Electric lamp. 1,873,212 ; Aug. 23.

Douglas, Harry A., Bronson, Mich. Electric switch. 1,873,313 ; Aug. 23.

Douglas, Harry A., Bronson, Mich. Aeroplane. 1,874,468 ; Aug. 30.

Douglas, Harry A., Bronson, Mich. Aeroplane. 1,874,469 ; Aug. 30.

Douglas, Harry A. Bronson, Mich. Electric switching mechanism. 1,876,872 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Electric lamp. 1,876,873 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Electric switch. 1,876,874 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Automotive vehicle switching mechanism. 1,876,875 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Circuit continuing device. 1,876,876 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Reflecting electric lamp. 1,876,877 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Electric switch. 1,876,878 ; Sept. 13.

Douglas, Harry A., Bronson, Mich. Switching mechanism. 1,883,625 ; Oct. 18.

Douglas, John G., Leagrave, Luton, England. Machine for polishing or grinding cam tracks and like sinuous surfaces. 1,867,213 ; July 12.

Douglas, John G., Leagrave, Luton, assignor to George Kent, Limited, London, England. Producing worms or cylindrical cams. 1,870,325 ; Aug. 9.

Douglas, Joseph C., Hysham, Mont. Automatic disk sharpener. 1,852,153 ; Apr. 5.

Douglas, Louis M. (See Parsons, C. A., Cook, and Douglas.)

Douglas, Malcolm K., assignor to American Radiator Company, New York, N. Y. Molding apparatus. 1,859,658 ; May 24.

Douglas, Robert, Rochester, assignor to General Foods Corporation, New York, N. Y. Preparing pectin. 1,858,820 ; May 17.

Douglas, William. (See Bienenstein, A., and Douglas.)

Douglas Aircraft Company. (See Kindleberger, James H., assignor.)

Douglass, Arthur H. (See Douglass, Howard H. and A. H.)

Douglass Brothers Company. (See Douglass, Frank J., assignor.)

Douglass Brothers Company. (See Douglass, F. J., and Mowbray, assignors.)

Douglass, Carl P., assignor to Chicago Pennant Company, Chicago, Ill. Shipping case. 1,878,118 ; Sept. 20.

Douglass, Clyde A., et al. (See Renn, William H., assignor.)

Douglass, Frank J., Chicago, Ill. Radiator hanger. 1,848,415 ; Mar. 8.

Douglass, Frank J., assignor to Douglass Brothers Company, Chicago, Ill. Apparatus for cutting pipe for angle bends. 1,858,076 ; May 10.

Douglass, Frank J., and A. S. McCawley, assignors to Douglass Brothers Company, Chicago, Ill. Pipe cutting and beveling apparatus. 1,858,077; May 10.

Douglass, Frank J., and A. S. McCawley, assignors to Douglass Brothers Company, Chicago, Ill. Apparatus for cutting and beveling pipes. 1,858,078; May 10.

Douglass, Gordon, Kensington, London, and S. R. Wright, Bedford, England. Electric remote control apparatus. 1,868,002; July 19.

Douglass, Hugo. (See Krueger, F., and Douglass.)

Douglass, Henry J., San Francisco, Calif. Forming flanged can ends with curled edges. 1,890,936; Dec. 13.

Douglass, Howard H. and A. H., assignors to Superior Regulator Co. Inc., Los Angeles, Calif. Regulating valve. 1,889,142; Nov. 29.

Douglass, Napoleon B., Berkeley, Calif., assignor to The Rome Company, Inc., Rome, N. Y. Wall bed. 1,872,909; Aug. 23.

Douglass, Napoleon B., Berkeley, Calif., assignor to The Rome Company, Inc., Rome, N. Y. Wall bed. 1,876,045; Sept. 6.

Douglass, William A. (See Calcott, W. S., and Douglass.)

Dourgovich, Joseph M., Cedar River, Mich. Measuring rule. 1,888,113; Nov. 15.

Dourson, Louis A., assignor to The American Oil Pump & Tank Co., Cincinnati, Ohio. Pump. 1,847,236; Mar. 1.

Doushkess, Milton, New York, N. Y. Multiple sole blank. 1,891,757; Dec. 20.

Doushkess, William N., Easton, Pa., assignor, by mesne assignments, to Milton C. Johnson Company, New York, N. Y. Safety paper. 1,866,400; July 5.

Douteau, Mathieu La Plaine, St. Denis, near Paris, France. Molding machine for the production of a continuous ingot. 1,870,406; Aug. 9.

Douthitt, Frank H., Chicago, Ill., assignor of one-half to C. E. Gray, Oakland, Calif. Apparatus for the desiccation of substances. 1,877,648; Sept. 13.

Douthitt, Walter S., assignor to T. H. Blackburn, Atoka, Okla. Nonskid apparatus. 1,878,386; Sept. 20.

Dove, Leonard P., assignor, by mesne assignments, to R. M. Stee, Inc., Minot, N. Dak. Dye and making. 1,877,748; Sept. 13.

Dovell, Hunter H., R. S. McConnell, and H. Henz, assignors to G. McConnell, doing business as The Desmond-Stephan Mfg. Co., Urbana, Ohio. Grinding wheel dresser. 1,878,763; Sept. 20.

Doven, Joseph F., Zanesville, Ohio, assignor to American Tile Flooring Company, Inc. Tile surfaced structural element. 1,880,015; Sept. 27.

Dover Manufacturing Company. (See Maurer, C. C., and Yea, assignors.)

Dover Stamping and Manufacturing Company. (See Whitney, Horace E., assignor.)

Doverspike, Clarence Masselin, Francis E., assignor.)

Dow, Alexander, New York, N. Y., assignor to Dow Patents Holding Corporation. Starter mechanism for internal combustion engines. 1,879,926; Sept. 27.

Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)

Dow Chemical Company, The. (See Bass, S. L., and Fenn, assignors.)

Dow Chemical Company, The. (See Beutel, Albert P., assignor.)

Dow Chemical Company, The. (See Britton, Edgar C., assignor.)

Dow Chemical Company, The. (See Britton, E. C., and Bass, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Bryner, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Holmes, assignors.)

Dow Chemical Company, The. (See Britton. E. C., and Mills, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Perkins, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Reed, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Slade, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Stoessser, assignors.)

Dow Chemical Company, The. (See Bryner, Fred, assignor.)

Dow Chemical Company, The. (See Coleman, Gerald H., assignor.)

Dow Chemical Company, The. (See Coleman, G. H., and Mills, assignors.)

Dow Chemical Company, The. (See Collings, William R., assignor.)

Dow Chemical Company, The. (See Dow, Herbert H., assignor.)

Dow Chemical Company, The. (See Dressel, Grayton F., assignor.)

Dow Chemical Company, The. (See Gann, John A., assignor.)

Dow Chemical Company, The. (See Gann, J. A., and Brooks, assignors.)

Dow Chemical Company, The. (See Gann, J. A., and Gross, assignors.)

Dow Chemical Company, The. (See Gann, J. A., and Reynolds, assignors.)

Dow Chemical Company, The. (See Grebe, John J., assignor.)

Dow Chemical Company, The. (See Grebe, J. J., and Boundy, assignors.)

Dow Chemical Company, The. (See Grebe, J. J., and Poffenberger, assignors.)

Dow Chemical Company, The. (See Grebe, J. J., and Sanford, assignors.)

Dow Chemical Company, The. (See Grether, Ernest F., assignor.)

Dow Chemical Company, The. (See Grether, E. F., and Coleman, assignors.)

Dow Chemical Company, The. (See Grether, E. F., and Keener, jr., assignors.)

Dow Chemical Company, The. (See Grether, E. F., and Mills, assignors.)

Dow Chemical Company, The. (See Griswold, Thomas, jr., assignor.)

Dow Chemical Company, The. (See Hale, William J., assignor.)

Dow Chemical Company, The. (See Hale, W. J., and Britton, assignors.)

Dow Chemical Company, The. (See Harlow, I. F., and Ross, assignors.)

Dow Chemical Company, The. (See Heath, Sheldon B., assignor.)

Dow Chemical Company, The. (See Hoy, John E., assignor.)

Dow Chemical Company, The. (See Hunter, Ralph M., assignor.)

Dow Chemical Company, The. (See Hunter, R. M., and Heath, assignors.)

Dow Chemical Company, The. (See Hunter, R. M., Stewart, Houser, and De Free, assignors.)

Dow Chemical Company, The. (See Hunter, R. M., and Ward, assignors.)

Dow Chemical Company, The. (See Jones, Coulter W., assignor.)

Dow Chemical Company, The. (See Marschner, R. F., and Stoessser, assignors.)

Dow Chemical Company, The. (See Martin, L. F., and Eyan, assignors.)

Dow Chemical Company, The. (See Martin, L. F., and MacQueen, assignors.)

Dow Chemical Company, The. (See Mills, Lindley E., assignor.)

Dow Chemical Company, The. (See Mills, L. E., and Goodwin, assignors.)

Dow Chemical Company, The. (See Nutting, H. S., and Rowley, assignors.)

Dow Chemical Company, The. (See Perkins, R. P., and Petrie, assignors.)

Dow Chemical Company, The. (See Putnam, Mark E., assignor.)

Dow Chemical Company, The. (See Putnam, M. E., and Mills, assignors.)

Dow Chemical Company, The. (See Schwegler, Clarence C., assignor.)

Dow Chemical Company, The. (See Smith, Albert K., assignor.)

Dow Chemical Company, The. (See Smith, A. K., and Veazey, assignors.)

Dow Chemical Company, The. (See Smith, William W., assignor.)

Dow Chemical Company, The. (See Stewart, Leroy C., assignor.)

Dow Chemical Company, The. (See Strosacker, C. J., Kennedy, and Pelton, assignors.)

Dow Chemical Company, The. (See Strosacker, C. J., and Pelton, assignors.)

Dow Chemical Company, The. (See Strosacker, C. J., and Stephenson, assignors.)

Dow Chemical Company, The. (See Ward, Louis E., assignor.)

Dow Chemical Company, The. (See Ward, L. E., and Bixler, assignors.)

Dow Chemical Company, The. (See Weldemann, George H., assignor.)

Dow Chemical Company, The. (See Weiss, M. L., and Bardsley, assignors.)

Dow Chemical Company, The. (See White, Arthur C., assignor.)

Dow Chemical Company, The. (See Williams, William H., assignor.)

Dow Chemical Company, The. (See Winston, A. W., and Kendis, assignors.)

Dow, Dewey M., and L. W. Child, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Heater cabinet. Des. 86,857; Mar. 1.

Dow, Donald B., assignor to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Intermittent flow device. 1,874,932; Aug. 30.

Dow, Harry E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax thread sewing machine. 1,840,387; Jan. 12.

Dow, Harry E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lip turning machine. 1,857,366; May 10.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of halogenated aliphatic hydrocarbons. 1,841,279; Jan. 12.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Heat exchange apparatus. 1,846,955; Feb. 23.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Electric production of carbon bisulphide, 1,849,140; Mar. 15.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Electrolytic apparatus. 1,851,817; Mar. 29.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Vaporizing liquids. 1,864,587; June 28.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. High temperature lubricant. 1,867,968; July 19.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Stabilized heating fluid and stabilizing same. 1,874,258; Aug. 30.

Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Multistage gas purification. 1,878,682; Sept. 20.

Dow, Herbert H., Midland, Mich., assignor, by mesne assignments, to Air Preheater Corporation, New York, N. Y. Air preheater. 1,880,196; Oct. 4.

Dow Patents Holding Corporation. (See Dow, Alexander, assignor.)

Dow, Richard F., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain wheel. 1,868,198; July 19.

Dow, Warren R. (See Glidden, A. A., Knowland, and Dow.)

Dow, Warren R., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for molding footwear. 1,885,337; Nov. 1.

Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,845,402; Feb. 16.

Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, New York, N. Y. Typewriter cabinet. 1,864,125; June 21.

Dowd, Barnard J., West Hartford, Conn., assignor to Royal Typewriter Company, New York, N. Y. Typewriting machine. 1,890,564; Dec. 13.

Dowd, Bernard J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,891,590; Dec. 20.

Dowd, John L., assignor to International Silver Company, Meriden, Conn. Child's plate or other similar article. Des. 83,348; Nov. 22.

Dowd, Thomas, New York, N. Y. Protractor. 1,878,119; Sept. 20.

Dowdall, James T., Ozone Park, assignor of one-half to John T. Keveney, Brooklyn, N. Y. Auxiliary feed devices for sewing machines. 1,880,016; Sept. 27.

Dowell, Allen B., St. Louis, Mo. Highway guard fence. 1,848,246; Mar. 8.

Dowell, Alvis Y. (See Kuenzli, W. A., and Dowell.)

Dowell, Jasper L., Mart, Tex. Electric fire alarm. 1,878,120; Sept. 20.

Dowell, John H., assignor to Adam Hilger Limited, London, England. Camera for color photography. 1,839,955; Jan. 5.

Dowick, Benjamin, Jersey City, N. J. Fuse puller. 1,859,767; May 24.

Dowick, Benjamin, Jersey City, N. J. Hair retainer. 1,885,995; Nov. 1.

Dowins, Richard G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Combined strainer and regulator for gas refrigerating apparatus. 1,863,103; June 14.

Dowinsky, Samuel, New York, N. Y. Apparatus for forming and finishing scalloped edges of garments. 1,885,056; Oct. 25.

Dowlen, Tom H. (See Chappell, M. L., and Dowlen.)

Dowlen, Tom H., assignor to Richfield Oil Company, of California, Los Angeles, Calif. Oxidizing asphaltic oils. 1,886,380; Nov. 8.

Dowling, Edward J., Pawhuska, Okla. Door fastener. 1,864,425; Nov. 23.

Dowling, Philip H. (See Sorensen, A. J., and Dowling.)

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,842,392; Jan. 26.

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,852,704; Apr. 5.

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,862,211; June 7.

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,862,212; June 7.

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay system. 1,875,859; Sept. 6.

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,878,764; Sept. 20.

Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,891,044; Dec. 13.

Dowling, William, East Malvern, Victoria, Australia. Link mechanism. 1,883,770; Oct. 18.

Downan, William R., Sharon, Mass. Stocking protector and making the same. 1,859,915; May 24.

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,842,510; Jan. 26.

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Coupling interlock. 1,860,408; May 31.

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake controlling valve. 1,879,661; Sept. 27.

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Airplane brake. 1,887,583; Nov. 15.

Downard, James S., Fort Thomas, Ky. Apparatus for preparing asphaltic composition. 1,884,618; Oct. 25.

Dower, Arthur J., Minneapolis, Minn. Inner pressure faucet and valve tool. 1,885,593; Nov. 1.

Downes, David G., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for working railway points and signals by means of electrical energy. 1,842,393; Jan. 26.

Downes, John R., Middlesex, and S. F. Miller, Bay Head, N. J., assignors to Pacific Flush-Tank Company, New York, N. Y. Sectional tank. 1,879,135; Sept. 27.

Downes, Ralph W., Kansas City, Mo., assignor to Potter Manufacturing Corporation, Chicago, Ill. Release device for fire escapes. 1,893,616; Oct. 18.

Downey, Clement L., Cincinnati, Ohio. Coin counting machine. 1,842,358; Feb. 2.

Downey, Edward A., University City, Mo. Heater. 1,858,003; May 10.

Downie, John C. (See Stewart, A., and Downie.)

Downie, Robert, Niagara Falls, Pa. Excavating machine. 1,886,381; Nov. 8.

Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Tripping mechanism for dumping scoops. 1,850,539; Mar. 22.

Downing, Clifford J., North Finchley, London, assignor to The Union Coin Card Company, Limited, London, England. Apparatus for wrapping articles. 1,858,189; May 10.

Downing, Edwin J., assignor to Gardner-Denver Company, Denver, Colo. Screen. 1,839,379; Jan. 5.

Downing, Frederick B. (See Calcott, W. S., and Downing.)

Downing, John B., Montclair, assignor to Garfield Manufacturing Company, Wallington, N. J. Electrical connecter plug casing. Des. 86,707; Apr. 12.

Downingtown Manufacturing Company. (See Ellis, Charles L., assignor.)

Downingtown Manufacturing Company. (See Kilberry, George D., assignor.)

Downs, Austin H., assignor to Eclipse Air Brush Company, Inc., Newark, N. J. Device for spraying paints, lacquers, or other liquids. 1,876,643; Sept. 13.

Downs, Austin H., assignor to Eclipse Air Brush Company, Newark, N. J. Device for spraying paints, lacquers or other liquids. 1,876,644; Sept. 13.

Downs, Charles E., South Beach, Conn., assignor to Davis Emergency Equipment Company, Incorporated, New York, N. Y. Ammonia absorbent and making the same. 1,864,988; June 28.

Downs, Charles R., Bronxville, N. Y., assignor to The Barrett Company. Apparatus for controlling temperatures in chemical reactions. 1,873,876; Aug. 23.

Downs, Robert W. (See Owen, A. G. B., and Downs.)

Downs, William P., assignor to Bridgeport Brass Company, Bridgeport, Conn. Inflating nipple. 1,846,189; Feb. 23.

Dowrie, Charles F., assignor, by mesne assignments, to The Timken Silent Automatic Company, Detroit, Mich. Vent cap. 1,866,342; July 26.

Dowsett, Charles W., Bwana M'Kubwa, Northern Rhodesia, assignor to Anglo American Corporation of South Africa, Limited, Johannesburg, Transvaal, Union of South Africa. Solvent treatment of copper ores. 1,843,017; Jan. 26.

Dowsett, Charles W., Bwana M'Kubwa, Northern Rhodesia, assignor to Anglo American Corporation of South Africa, Limited, Johannesburg, Transvaal, Union of South Africa. Solvent treatment of copper silicate ores. 1,843,808; Feb. 2.

Doyle, Charles A. (See Shelton, Thomas R., assignor.)

Doyle, Edgar D., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method and apparatus for controlling the load-speed characteristics of moving systems. 1,864,189; June 21.

Doyle, Edward D., Kansas City, Mo. Ruling and printing machine. 1,872,421; Aug. 16.

Doyle, Frederick W., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Assembling machine and jig. 1,855,690; Nov. 1.

Doyle, George W., Rome, assignor to American Can Company, New York, N. Y. Clutch. 1,872,910; Aug. 23.

Doyle, James E. (See Brett, R. C., and Doyle.)

Doyle, Loretta C., assignor to Specialty Insulation Manufacturing Co., Hoosick Falls, N. Y. Work stand. 1,844,275; Feb. 9.

Doyle, Patrick A., Copenhagen, N. Y. Snow roller for roads. 1,842,717; Jan. 26.

Doyle, Philip C., assignor to The Standard Oil Company, Cleveland, Ohio. Apparatus for making soapsuds. 1,882,786; Oct. 11.

Doyle, Philip C., assignor to The Standard Oil Company, Cleveland, Ohio. Soap sudsing apparatus. 1,887,371; Nov. 8.

Doze, John C., Wichita, Kans. Spring attaching means. 1,863,193; June 14.

Drabold, Walter, Detroit, Mich. Charge-forming apparatus for internal combustion engines. 1,876,879; Sept. 13.

Drachg, Hubert, New York, N. Y. Surgical instrument. 1,877,827; Sept. 20.

Drachenberg, William. (See Lundy, W. T., and Drachenberg.)

Drackett Chemical Company, The. (See Adams, E. M., Gangloff, and Spencer, assignors.)

Drackett Chemical Company, The. (See Gangloff, Willmer C., assignor.)

Draftogen Company. (See Morelock, Albert E., assignor.)

Dräger, Alexander B., by E. Dräger, executrix, Lübeck, Germany, cartridge for independent breathing apparatus. 1,843,446; Feb. 2.

Dräger, Elfriede, executrix. (See Dräger, Alexander B.)

Dräger, Otto H. (See Stampe, Gerhard K. E. H., assignor.)

Drager, Otto H. (See Stelzner, Hermann, assignor.)

Dräger, Otto H., and H. Stelzner, Lubeck, Germany; said Stelzner assignor to said Dräger. Life saving gear. 1,878,474; Sept. 20.

Dräger-werk, Heinr. & Bernh. Dräger. (See Christensen, Alfred H. L., assignor.)

Drägerwerk, Heinr. & Bernh. Dräger. (See Stelzner, Hermann, assignor.)

Dragon, Hippolyte, San Francisco, Calif. Pie wrapping machine. 1,865,748; July 5.

Draher, John, and W. B. Runk, assignors to Bias Cutting Machine Corporation, Waterbury, Conn. Bias strip cutting machine. 1,868,226; July 19.

Drain, Nicholas A., Silver Spring, Md. Quick acting clamp. 1,882,506; Nov. 1.

Drain, James A., jr. (See Drake, H. C., and Drain.)

Drain, William H., jr., Youngstown, Ohio. Checkerwork. 1,856,473; May 3.

Drake, A. W., Manufacturing Company. (See Ravert, William I., assignor.)

Drake, Alden M., West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Relieved screw thread grinding machine. 1,870,718; Aug. 9.

Drake, Alden M., and N. J. Crowey, West Hartford, assignors to Pratt & Whitney Company, Hartford, Conn. Dressing attachment for screw thread grinders. 1,886,796; Nov. 8.

Drake Bakeries Incorporated. (See Woods, Robert M., assignor.)

Drake, Bradford W., Stoughton, Mass. Wool bag or the like. 1,874,934; Aug. 30.

Drake, Charles E., Norfolk, Va. Advertising clock. 1,878,683; Sept. 20.

Drake, Frederick H., and W. D. Loughlin, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America. Input system for electrical amplifiers. 1,843,018; Jan. 26.

Drake, Frederick H., Boonton, L. M. Hull, Mountain Lakes, and W. D. Loughlin, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving system for aircraft. 1,874,785; Aug. 30.

Drake, George F. (See Stewart, D. J., and Drake.)

Drake, George F., assignor to H. D. Colman, Rockford, Ill. Closure operator. 1,845,514; Feb. 23.

Drake, Harcourt C. (See Sperry, E. A., and Drake.)

Drake, Harcourt C., Hempstead, assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector. 1,874,957; Aug. 30.

Drake, Harcourt C., Hempstead, N. Y., and J. A. Drain, jr., Chicago, Ill., assignors, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Testing device. 1,851,818; Mar. 29.

Drake, Harry F., Milwaukee, Wis. Artificial bait. 1,870,559; Aug. 9.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,841,576; Jan. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Heat absorbing sheet glass apparatus. 1,841,716; Jan. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass melting furnace. 1,841,717; Jan. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,842,070; Jan. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheets of glass. 1,842,311; Jan. 26.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo Ohio. Glass apparatus. 1,845,909; Feb. 16.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,848,111; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheets of glass. 1,848,112; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for forming sheet glass. 1,848,113; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,848,114; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,848,115; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,848,116; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming and annealing sheet glass. 1,848,117; Mar. 8.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for securing glass sheets upon supporting tables. 1,854,399; Apr. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass melting furnace. 1,854,505; Apr. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing means. 1,854,506; Apr. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing apparatus. 1,854,507; Apr. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Grinding runner. 1,854,508; Apr. 19.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 1,856,128; May 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for cleaning plate glass polishing runners. 1,856,129; May 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Car or table transfer means. 1,857,840; May 10.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,860,082; May 24.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. System for surfacing glass sheets. 1,860,083; May 24.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Car window construction. 1,860,084; May 24.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,860,085; May 24.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,860,140; May 24.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,865,843; July 5.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for sheet glass manufacture. 1,865,890; July 5.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass annealing leer. 1,865,891; July 5.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass furnace. 1,870,242; Aug. 9.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass apparatus. 1,870,284; Aug. 9.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing apparatus. 1,872,422; Aug. 16.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,872,423; Aug. 16.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for conveying and transferring glass sheets or plates. 1,872,424; Aug. 16.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,872,425; Aug. 16.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,872,691; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for making laminated glass. 1,872,692; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for making laminated glass and method of operating the same. 1,872,693; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for surfacing sheet glass. 1,872,694; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,872,695; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,872,696; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing apparatus. 1,872,697; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,872,698; Aug. 23.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,872,699; Aug. 23.

Drake, John L., and F. Fraser, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass grinding and polishing apparatus. Re18,533; July 19.

Drake, John L., and L. L. Handy, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing machine. 1,872,426; Aug. 16.

Drake, John L., Toledo, and L. C. Mambourg, Lancaster, assignors to Libbey-Owens Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,857,809; May 10.

Drake, Lem E., assignor to Madson Motor Products Company, Bell, Calif. Apparatus for upsetting articles of manufacture. 1,870,987; Aug. 9.

Drake, Lewis F. V., assignor to Salvage Process Corporation, New York, N. Y. Pumping apparatus. 1,873,314; Aug. 23.

Drake, Louis L. (See Smith, Sidney, assignor.)

Drake Non-Clinkering Furnace Block Company. (See Baumgartner, Henry H., assignor.)

Drake Non-Clinkering Furnace Block Company. (See Cormand, Jay C., assignor.)

Drake Non-Clinkering Furnace Block Company. (See Finn, Stephen M., assignor.)

Drake, Robert Z., Omaha, Nebr. Handling lumber. 1,863,087; June 14.

Drake, Warren C., Inwood, assignor to E. B. Priebe and H. Buchert, New York, N. Y. Water wall. 1,880,187; Sept. 27.

Drake, Warren C., Inwood, and E. B. Priebe, Richmond Hill; said Drake assignor to Harry Buchert, New York, N. Y. Water feed furnace. 1,852,154; Apr. 5.

Drake, Whittlesey A., Beaumont, Tex. Bar centering shaft. 1,850,868; Mar. 22.

Drapal, Othmar, Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Improving the stability of diszo solutions in the presence of iron. 1,876,880; Sept. 13.

Drapeau, Joseph E., The Bronx, assignor to Nichols Copper Company, New York, N. Y. Elimination of chlorine from solutions. 1,852,044; Apr. 5.

Draper, Charles H., Grand Heights, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Closure construction for metallic containers. 1,875,428; Sept. 6.

Draper, Charles H., Cleveland Heights, H. W. Lees, Shaker Heights, W. C. Grosser, Cleveland, and J. G. Dunnebuck, Lakewood, assignors to The Draper Manufacturing Company, Cleveland, Ohio. Container and sealing means therefor. 1,845,078; Feb. 16.

Draper, Charles T., Cleveland Heights, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Removable head barrel. 1,857,443; May 10.

Draper, Clare H., and R. A. Kearsley, assignors to Draper Corporation, Hopedale, Mass. Whip roll release for looms. 1,850,300; Mar. 22.

Draper Corporation. (See Benson, Arthur E., assignor.)

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Burdett, Horace H., assignor.)

Draper Corporation. (See Douglas, Fredric E., assignor.)

Draper Corporation. (See Draper, C. H., and Kearsley, assignors.)

Draper Corporation. (See Grieser, Joseph G., assignor.)

Draper Corporation, The. (See Hudson, Alexander, assignor.)

Draper Corporation. (See Jackson, Joseph B., assignor.)

Draper Corporation. (See Leonard, Harry A., assignor.)

Draper Corporation. (See Lindsjo, V., and Rogers, assignors.)

Draper Corporation. (See Linsjo, Verner, assignor.)

Draper Corporation. (See Pierce, Silas A., assignor.)

Draper Corporation. (See Smith, Henry N., assignor.)

Draper Corporation. (See Smith, William L., assignor.)

Draper Corporation. (See Stimpson, Wallace I., assignor.)

Draper Corporation. (See Thatcher, Harry W., assignor.)

Draper Corporation. (See Wilson, Thomas C., assignor.)

Draper, Davis C., Lincoln, Del. Bean piling apparatus. 1,841,467; Jan. 19.

Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Making stereoscopic pictures. 1,862,847; June 14.

Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Plate holder for stereoscopic cameras. 1,870,611; Aug. 9.

Draper, Luther O., Spiceland, Ind. Supporting bracket for shade pulleys. 1,883,627; Oct. 18.

Draper Manufacturing Company, The. (See Draper, Charles H., assignor.)

Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)

Draper Manufacturing Company, The. (See Draper, C. H., Lees, Grosser and Dunnebuck, assignors.)

Draper Manufacturing Company, The. (See Fetterly, John F., assignor.)

Draper, Raymond J., Los Angeles, Calif. Core catcher. 1,889,277; Nov. 29.

Draper, Thomas. (See Breisky, J. V., and Draper.)

Draper, Thomas B., Oakland, Calif. Folding bed. 1,847,593; Aug. 16.

Dravo Contracting Company, The. (See Dravo, Francis R., assignor.)

Dravo Contracting Company, The. (See Dravo, F. R., and Edwards, assignors.)

Dravo Contracting Company. (See Leigh, Alfred C., assignor.)

Dravo, Francis R., Edgeworth, Pa., assignor to The Dravo Contracting Company. Boller structure. 1,859,619; May 24.

Dravo, Francis R., Edgeworth, and V. B. Edwards, Moon Township, Allegheny County, Pa., assignor to The Dravo Contracting Company. Marine railway. 1,860,177; May 24.

Draxler, Karl, Los Angeles, Calif. Reading support. 1,871,911; Aug. 23.

Drazick, John, Detroit, Mich. Tool holder. 1,860,998; May 31.

Dreck-Imdldt, Charles F., St. Louis, Mo. Table. 1,862,113; June 7.

Drefahl, Louis C., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Preparing metal sheets for annealing. 1,856,751; May 3.

Dreffein, Henry A., Chicago, Ill. Apparatus for heating billets or the like. 1,861,902; June 6.

Dreghorn, Herbert, Rugby, England, assignor to General Electric Company. Commutator type dynamo electric machine. 1,869,187; July 26.

Dreher, James H. (See Davis, Donald P., assignor.)

Dreher, Otto, Milwaukee, assignor to G. J. Meyer Manufacturing Company, Cudahy, Wis. Bottle feeding means. 1,880,243; Oct. 4.

Dreibuss, Harry C., and P. J. McCullough, assignors to Scullin Steel Co., St. Louis, Mo. Fence post. 1,865,176; June 28.

Dreibuss, Harry C., and P. J. McCullough, assignors to Scullin Steel Company, St. Louis, Mo. Car journal box. 1,872,427; Aug. 16.

Dreier, Dominick, assignor of twenty-five per cent to E. E. Grunow, Livingston, Mont. Automatic stoker. 1,846,477; Feb. 23.

Dreifuss, Walter, Niles Center, Ill. Drawing board. 1,883,623; Oct. 18.

Dreisbach, Edwin J., New Haven, Conn. Cushion device for water closet bowls and the like. 1,859,207; Jan. 5.

Dreisel, William, Lawrence, assignor to Andrews & Goodrich, Inc., Cambridge, Mass. Heat insulating panel for drier housings and the like. 1,853,803; Apr. 12.

Drem Products Corporation. (See Bing, Joseph M., assignor.)

Dremel, Albert J., Racine, Wis. Electric hair clipper. 1,858,887; May 17.

Drennan, Orville F., assignor to Deere & Company, Moline, Ill. Planter. 1,868,731; July 26.

Drenning, Percy R. (See Symington, T. H., and Drenning.)

Drenning, Percy R., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Side bearing. 1,842,861; Jan. 26.

Drennon, William M., assignor of one-tenth to W. L. Everett, Anaheim, Calif. Variable and reversible pitch propeller. 1,892,187; Dec. 27.

Dresch, Israel J., Toledo, Ohio, assignor to Prosthetic Products, Inc., New York, N. Y. Artificial denture and manufacture thereof. 1,862,336; June 7.

Drescher, Hugh A. E., W. Smith, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Production of anthraquinone derivatives. 1,862,786; June 14.

Drescher, Hugh A. E., David A. W. Fairweather, and J. Thomas, assignors to Scottish Dyes, Limited, Granzemouth, Scotland. Manufacture of aromatic acids. 1,866,632; July 12.

Dressel, Grayton F. (See Barstow, E. O., and Dressel.)

Dressel, Grayton F., assignor to The Dow Chemical Company, Midland, Mich. Purification of bromine. 1,885,029; Oct. 25.

Dresser, Frank A., Burlington, Vt. Leg brace. 1,847,823; Mar. 1.

Dresser, Frank A., Burlington, Vt. Leg brace. 1,851,241; Mar. 29.

Dresser, Lewis W., assignor to Packard Motor Car Company, Detroit, Mich. Radiator guard mounting. 1,883,629; Oct. 18.

Dresser, S. R., Manufacturing Company. (See Pfefferle, George H., assignor.)

Dresser, S. R., Manufacturing Company. (See Seaberg, Grover, assignor.)

Dresser, S. R., Manufacturing Company. (See Welborn, Joseph E., assignor.)
Dresser, S. R., Manufacturing Corporation. (See Clark, James, assignor.)
Dressler, Philip D'Hue, Cleveland, Ohio, assignor to New Castle Refractories Company, New Castle, Pa. Ware support. 1,855,691; Nov. 1.
Dressler, Samuel, Brooklyn, N. Y. Whistle. 1,856,625; May 3.
Drew, Frank L., Edgewood Arsenal, Md. Valve. 1,863,652; June 21.
Drew, John E. (See Sheehan, T. C., and Drew.)
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheeting. 1,856,986; May 3.
Drew, Walter, Fairmyra, N. J. Machine for producing self-igniting cigarettes. 1,868,350; July 19.
Drew, William F., Los Angeles, Calif. Oven. 1,891,802; Dec. 20.
Drewett, Guy P., assignor of one-half to R. M. Hoffman, Chicago, Ill. Stand or holder. Des. 86,517; Mar. 15.
Drewsen, Pierre, Elmhurst, N. Y., assignor to The Barrett Company. Felt component and making same. 1,850,791; Mar. 22.
Drewsen, Pierre, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Paper board shipping container or carton. 1,880,897; Oct. 4.
Drewsen, Pierre, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Preparing straw pulp. 1,880,898; Oct. 4.
Drewsen, Pierre, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Manufacturing straw paper. 1,880,899; Oct. 4.
Drexler, Charles, and D. T. Brownlee, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Anti-reverse brake mechanism. 1,890,973; Dec. 13.
Drexler, Ignaz, Pittsburgh, Pa., assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Conveyer roller. 1,881,267; Oct. 4.
Drexler, Ernest, assignor to Schloemann Engineering Company, Pittsburgh, Pa. Conveyer roller. 1,889,173; Nov. 29.
Drexler, Ernest, Pittsburgh, Pa., assignor to Schloemann Aktiengeselischaft, Dusseldorf, Germany. Conveyer roller. 1,889,174; Nov. 29.
Drexler, Frederick H., assignor to Reynolds Metals Company, Louisville, Ky. Canister. 1,862,301; June 7.
Drexler, Joseph A., and Shaw, assignors to Sargent & Company, New Haven, Conn. Lock. 1,842,079; Jan. 19.
Drey, Simpson & Company, Limited. (See Byrd, Hugh L., assignor.)
Dreyer, Adolph, Buffalo, N. Y. Handle for bouquets. 1,844,567; Feb. 9.
Dreyer, Albert, Neuve, Switzerland, Manufacture of flexible metallic tubes and the like. 1,852,921; Apr. 5.
Dreyer, Albert, Lucerne, Switzerland. Process and apparatus for manufacturing flexible tubes. 1,879,663; Sept. 27.
Dreyer, Albert, Lucerne, Switzerland. Machine for making highly elastic resilient tubes. 1,882,182; Oct. 11.
Dreyer, Charles H., Park Ridge, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus. 1,873,315; Aug. 23.
Dreyer, John H. (See De Hymel, Leo.)
Dreyfus, Camille. (See Miles, G. W., and Dreyfus.)
Dreyfus, Camille. (See Rivat, G., Cadgene, and Dreyfus.)
Dreyfus, Camille, New York, N. Y. Controlling the luster of fabrics. 1,860,166; May 31.
Dreyfus, Camille, New York, N. Y. Elastic fabric. 1,869,958; Aug. 2.
Dreyfus, Camille, New York, N. Y. Treating textile material containing cellulose derivatives and product thereof. 1,871,047; Aug. 9.
Dreyfus, Camille, New York, N. Y. Surgical dressing. 1,872,076; Aug. 16.
Dreyfus, Camille, New York, N. Y. Carrying out organic chemical reactions in improved reaction media. 1,872,170; Aug. 16.
Dreyfus, Camille, New York, N. Y. Making articles. 1,872,912; Aug. 23.
Dreyfus, Camille, New York, N. Y. Pile fabric containing derivatives of cellulose. 1,873,862; Aug. 23.
Dreyfus, Camille, New York, N. Y. Pile fabric. 1,873,863; Aug. 23.
Dreyfus, Camille, New York, N. Y. Warp printing. 1,883,346; Oct. 18.
Dreyfus, Camille, New York, N. Y. Making laminated glass. 1,884,624; Oct. 25.
Dreyfus, Camille, New York, N. Y. Embossing fabrics and articles containing organic derivatives of cellulose. 1,891,945; Dec. 27.
Dreyfus, Camille, New York, N. Y. Embossing circular knit fabrics. 1,889,062; Nov. 29.
Dreyfus, Camille, Basel, Switzerland, W. M. Cameron, New York, N. Y., and G. Schneider, Cumberland, Md., assignors to Celanese Corporation of America. Manufacture of compositions and articles from cellulose derivatives. 1,843,214; Feb. 2.
Dreyfus, Camille, New York, N. Y., and G. Schneider, Cumberland, Md., assignors to Celanese Corporation of America. Reducing the viscosity of cellulose esters. 1,851,665; Mar. 29.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Partial saponification of cellulose ester material. 1,866,153; July 5.
Dreyfus, Camille, Basel, Switzerland, W. McC. Cameron, New York, N. Y., and G. Schneider, Mountain Lakes, N. J., assignors to Celanese Corporation of America. Manufacture of compositions and articles from cellulose derivatives. 1,870,175; Aug. 2.
Dreyfus, Camille, New York, N. Y., G. W. Miles, Boston, Mass., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Delustering of textile material. 1,870,407; Aug. 9.
Dreyfus, Camille, New York, N. Y., G. W. Miles, Boston, Mass., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Coloring of textile materials. 1,870,408; Aug. 9.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Differentially colored fabric and producing the same. 1,870,837; Aug. 9.
Dreyfus, Camille, New York, N. Y., and G. Schneider, East Orange, N. J., assignors to Celanese Corporation of America. Uniting articles and product thereof. 1,871,670; Aug. 16.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Textile materials and preparing the same. 1,872,913; Aug. 23.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Making artificial filaments and product thereof. 1,883,347; Oct. 18.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of fabric and product thereof. 1,883,348; Oct. 18.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Textile process and product. 1,883,349; Oct. 18.
Dreyfus, Camille, New York, N. Y., and J. Scheidegger, Cumberland, Md., assignors to Celanese Corporation of America. Derivatives of cellulose compositions of low inflammability containing cinnamic acid dibromide. 1,884,619; Oct. 25.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of fabric containing cellulose esters. 1,884,620; Oct. 25.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of fabric. 1,884,621; Oct. 25.
Dreyfus, Camille, New York, N. Y., and G. Schneider, East Orange, N. J., assignors to Celanese Corporation of America. Treatment of fabric containing cellulose esters. 1,884,622; Oct. 25.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Partial saponification of cellulose ester material and product thereof. 1,884,623; Oct. 25.
Dreyfus, Henry, London, England. Treatment of materials made of or containing cellulose derivatives. 1,843,417; Feb. 2.
Dreyfus, Henry, London, England. Concentrating dilute acetic acid. 1,851,664; Mar. 29.
Dreyfus, Henry, London, England. Treatment of materials made of or containing cellulose derivatives. 1,854,460; Apr. 19.
Dreyfus, Henry, London, England. Dyeing of material containing cellulose derivatives. 1,854,461; Apr. 19.
Dreyfus, Henry, London, England. Treatment of materials made of or containing cellulose derivatives. 1,854,462; Apr. 19.
Dreyfus, Henry, London, England. Treatment of materials made of or containing cellulose derivatives. 1,855,131; Apr. 19.
Dreyfus, Henry, London, England. Treatment of cellulose preparatory to esterification. 1,857,183; May 10.
Dreyfus, Henry, London, England. Manufacture of cellulose esters. 1,862,589; June 14.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,865,177; June 28.
Dreyfus, Henry, London, England. Manufacture of artificial silk, artificial horsehair and like products. 1,865,358; June 28.
Dreyfus, Henry, London, England. Treatment of yarns, fabrics, films, and the like. 1,867,658; July 19.
Dreyfus, Henry, London, England. Manufacture of methyl alcohol. 1,868,096; July 19.
Dreyfus, Henry, London, England. Treatment of cellulose prior to esterification. 1,869,307; July 26.
Dreyfus, Henry, London, England. Production of oxygenated aliphatic compounds. 1,870,104; Aug. 2.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,872,029; Aug. 16.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,872,030; Aug. 16.
Dreyfus, Henry, London, England. Cellulose esters and making the same. 1,872,701; Aug. 23.
Dreyfus, Henry, London, England. Manufacture of aliphatic acid anhydrides. 1,872,914; Aug. 23.

Dreyfus, Henry, London, England. Manufacture of aliphatic acids and their esters. 1,879,605; Sept. 27.
Dreyfus, Henry, London, England. Manufacture of aliphatic acids and their esters. 1,879,606; Sept. 27.
Dreyfus, Henry, London, England. Treatment of materials made of or containing cellulose derivatives. 1,883,350; Oct. 18.
Dreyfus, Henry, London, England. Treatment of cellulose derivatives. 1,883,351; Oct. 18.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,883,353; Oct. 18.
Dreyfus, Henry, London, England. Manufacture of aliphatic acid anhydrides. 1,884,625; Oct. 25.
Dreyfus, Henry, London, England. Manufacture of aliphatic acid anhydrides. 1,884,626; Oct. 25.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,884,627; Oct. 25.
Dreyfus, Henry, London, England. Manufacture of aliphatic acids and their esters. 1,884,628; Oct. 25.
Dreyfus, Henry, London, England. Treatment of cellulose and derivatives thereof. 1,884,629; Oct. 25.
Dreyfus, Henry, London, and W. Bader, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of acetic acid and methyl acetate. 1,864,531; June 28.
Dreyfus, Henry, London, and W. Bader, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of aliphatic acids and esters. 1,864,643; June 28.
Dreyfus, Henry, London, G. H. Ellis, T. Ockman, and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing printing or steeping of materials made of or containing cellulose derivatives. 1,883,352; Oct. 18.
Dreyfus, Henry, London, and F. C. Hale, Spondon, near Derby, England, assignor to Celanese Corporation of America. Saponification of acetin. 1,883,354; Oct. 18.
Dreyfus, Ludwig, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Damper winding for synchronous converters. 1,842,588; Jan. 26.
Dreyfus, Ludwig, assignor to Allmänna Svenska Elektriski Aktiebolaget, Vasteras, Sweden. Regulating means for electric induction furnaces. 1,845,910; Feb. 16.
Dreyfuss, Achille, Paris, France. Piston. 1,854,118; Apr. 12.
Dreyfuss, Henry, New York, N. Y., assignor to Western Clock Company, Peru, Ill. Clock case. Des. 85,916; Jan. 5.
Dreyfuss, Henry, New York, N. Y., assignor to The Seth Thomas Clock Company. Imitation hour glass clock. 1,877,732; Sept. 13.
Dreyfuss, Joseph, New York, N. Y., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Garment hanger. 1,880,900; Oct. 4.
Drieman, Franciscus A., et al. (See Prins, Peter L., assignor.)
Dries, James A., Emaus, Pa. Supporting means for sliding door track rails. 1,869,368; Aug. 2.
Dries, James A., Emaus, Pa. Pan lifter. 1,886,473; Nov. 8.
Driest, Charles, Marlboro, N. J. Safety razor. 1,878,475; Sept. 20.
Driest, Charles, Marlboro, and H. D. Myers, Jersey City; said Driest assignor to R. G. Wiencke, North Bergen, N. J. Scissors. 1,884,637; Oct. 25.
Driftmeter, Incorporated. (See Hester, Wynes W., assignor.)
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Preparation of rare metals by electrolytic decomposition of their fused double halogen compounds. 1,842,254; Jan. 19.
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Preparation of rare refractory metal powders by electrolysis. 1,874,090; Aug. 30.
Driggs, Frank H., Bloomfield, and W. C. Lilliendahl, Montclair, N. J., assignors to Westinghouse Lamp Company. Producing rare metals by electrolysis. 1,861,625; June 7.
Driggs, Louis L., jr., New Rochelle, N. Y. Cannon. 1,858,487; May 17.
Driggs, Louis L., New Rochelle, and H. B. Faber, New York, N. Y. Ammunition for cannons. 1,852,403; Apr. 5.
Drill Guide Incorporated. (See Jakosky, John J., assignor.)
Drill, John J., Ranshaw, Pa. Miter gauge for sliding T-bevels. 1,879,980; Sept. 27.
Dring, Thomas A., Poulner, Ringwood, England. Flying machine. 1,864,012; June 21.
Driscoll, Hugh D., Tulsa, Okla. Nonslipping attachment for shoes. 1,871,940; Aug. 16.
Driscoll, John H., Boston, Mass. Abrasive compound. 1,845,250; Feb. 16.
Drissner, Alfred E. (See Petsche, G. B., and Drissner.)
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Profiling attachment. 1,874,470; Aug. 30.
Dri-Steam Valve Corporation. (See Pascale, Pasquale, assignor.)
Driver, Charles B., Dinuba, Calif. Insect killing machine. 1,849,180; Mar. 15.
Driver, Charles H., Racine, Wis. Surfacing roll. 1,887,623; Nov. 15.
Driver, Frederick H., Bloomfield, N. J., assignor to The Nevins-Church Press, New York, N. Y. Display vending card. 1,852,922; Apr. 5.
Driver-Harris Company. (See Blythe, William E., assignor.)
Drobile, Albert W., Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Coating. 1,855,387; Apr. 26.
Droege, Charles E., Cushing, assignor of one-half to T. H. Moseley, Oklahoma City, Okla. Valve. 1,854,370; Apr. 19.
Droescher, Le Roy A., Willow Grove, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Refrigerating apparatus. 1,886,656; Nov. 8.
Droescher, Le Roy A., Willow Grove, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Refrigerating system. 1,890,282; Dec. 6.
Droitcour, Michael A., Providence, R. I., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Inking mechanism. 1,860,496; May 31.
Droitcour, Michael A., Providence, R. I., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Delivery mechanism. 1,873,316; Aug. 23.
Dronsfield, James, Atlas Works, Oldham, England. Apparatus for grinding and treating wire clothed rollers. 1,886,088; Nov. 1.
Dronsfield, James, Atlas Works, Oldham, England. Grinding machine. 1,886,089; Nov. 1.
Dropinski, Jan, San Francisco, Calif. Shade. 1,891,707; Dec. 20.
Drosin, Henry B., New York, N. Y. Food preparation. 1,855,948; Apr. 26.
Drossbach, Otto, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of maleic acid and its anhydride. 1,886,901; Oct. 4.
Drotos, John J., and R. H. Crawford, Cleveland, Ohio, Broom attachment. 1,850,318; Mar. 22.
Drott, Louis W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Force feed lubricator. 1,880,902; Oct. 4.
Droukas, Peter K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,871,832; Aug. 16.
Drouve, G., Company. (See Hawes, Harold B., assignor.)
Druckenmiller, Joseph E., Edge Hill, Pa. Combined bathtub and basin. Des. 84,102; Apr. 26.
Drucker, William J., Albany, N. Y. Mechanical drive. 1,839,744; Jan. 5.
Druley, Thollie W. (See Threewits, A. M., and Druley.)
Drumgold, Leland J., assignor of one-half to V. A. Neher, Oakland, Calif. Dust collector. 1,870,947; Aug. 9.
Drummond, Donald W., New Rochelle, assignor to Solid Carbonic Company, Ltd., New York, N. Y. Transportation and display package and methods. 1,890,771; Dec. 13.
Drummond, Louis E., Upper Darby, Pa. Apparatus for transfusion of blood. 1,882,412; Oct. 11.
Drums Limited et al. (See Jessop, William.)
Druppel, Edouard, assignor of fifty per cent to Comptoir Belge de Commerce et d'Industrie, Société Anonyme, Brussels, Belgium. Machine for reaping papyrus. 1,839,380; Jan. 5.
Drury, Hugh E., assignor of one-half to W. H. McTighe, Worcester, Mass. Headlight. 1,855,796; Apr. 26.
Drury, Percy R., Boyce, La. Bank protective system and means. 1,891,872; Dec. 20.
Drury, Wendell B., Stamford, Conn. Antiglare mirror attachment. 1,885,904; Nov. 1.
Drury, William P., assignor of one-half to F. Hotchner, Los Angeles, Calif. Luminous tube sign letter. 1,872,428; Aug. 16.
Druschel, Henry, Columbia, Pa. Air compressor. 1,843,447; Feb. 2.
Dryden, Helen, New York, N. Y., assignor to Lady Esther Company, Chicago, Ill. Jar or similar container. Des. 85,917; Jan. 5.
Dryden, Helen, New York, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Metallic pattern strip for spectacle frames or similar articles. Des. 86,830; Apr. 26.
Dryden Rubber Company. (See Beynon, Rees, assignor.)
Dryden Rubber Company. (See Beynon, R., and Reeves, assignor.)
Dryden, William W. (See Stimpson, W. F., and Dryden.)
Dryden, William W., Louisville, Ky., assignor to W. F. Stimpson, Detroit, Mich. Meat grinder. 1,864,343; June 21.
Dryer, Charles G. (See Lowry, C. D., jr., and Dryer.)
Dryer, William P., Newton, Mass. Humidifying. 1,880,903; Oct. 4.
Dryice Corporation of America. (See Jones, Charles L., assignor.)
Dryice Corporation of America. (See Jones, C. L., and Kuehnle, assignors.)
Dryice Corporation of America. (See Josephson, Walter S., assignor.)
Dryice Corporation of America. (See Martin, James W., jr., assignor.)
Dryice Corporation of America. (See Rust, R. R., and Jones, assignors.)
Dryice Corporation of America. (See Small, John D., assignor.)
Dryice Equipment Corporation. (See Banning, Thomas A., jr., assignor.)

Dryice Equipment Corporation. (See Hunt, Franklin B., assignor.)
Dryice Equipment Corporation. (See Jones, C. L., and McIlvain, assignors.)
Dryice Equipment Corporation. (See Jones, C. L., and Small, assignors.)
Dryice Equipment Corporation. (See Killefer, David H., assignor.)
Dryice Equipment Corporation. (See Killefer, D. H., and Jones, assignors.)
Dryice Equipment Corporation. (See Lockwood, Edwin J., assignor.)
Dryice Equipment Corporation. (See Martin, James W., jr., assignor.)
Dryice Equipment Corporation. (See McIlvain, Howard S., assignor.)
Dryice Equipment Corporation. (See Small, John D., assignor.)
Dryice Equipment Corporation. (See Taylor, Henry M., assignor.)
Dryice Equipment Corporation. (See Weinstein, Joseph, assignor.)
Drying Systems, Inc. (See Bluemel, Gustave, assignor.)
Drying Systems, Inc. (See Russell, Buford B., assignor.)
Drying Systems, Inc. (See Russell, B. B., and Porwancher, assignors.)
Drying Systems, Inc. (See Thompson, Dell., assignor.)
Dryon, Paul, Auvelais, Belgium. Grinding, smoothing, and polishing apparatus. 1,864,894; June 28.
Drypolcher, William. (See Olshteld, L., and Drypolcher.)
Drysdale and Company. (See Mawson, Hubert, assignor.)
Drysdale, Frederick J., Middle Brighton, Australia. Sun blind. 1,842,899; Jan. 26.
Dry-Wall Mfg. & Construction Co. Inc. (See Giuliani, Alfred, assignor.)
Dual Aircraft Motors Inc., Ltd. (See Van Bezel, Frank A., assignor.)
Duart Manufacturing Co. Ltd. (See Carouso, Victor H., assignor.)
Duart Manufacturing Co. Ltd. (See Keele, Ralph M., assignor.)
Duart Manufacturing Co. Ltd. (See Moseley, Tomlinson J., assignor.)
Dubarry Perfumery Company Limited. (See Pears, Harry W. K., assignor.)
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting oil. 1,843,709; Feb. 2.
Dubbs, Carbon P., Wilmette, assignor to The Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking hydrocarbon oils. 1,843,710; Feb. 2.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,850,261; Mar. 22.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting petroleum. 1,850,745; Mar. 22.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for lower boiling point hydrocarbons. 1,853,965; Apr. 12.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 1,854,463; Apr. 19.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,859,167; Apr. 19.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbons and the like. 1,857,532; May 10.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,857,535; May 10.
Dubbs, Carbon P., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,865,178; June 28.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Distilling coals. 1,868,732; July 26.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating petroleum. 1,886,946; Nov. 8.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,888,028; Nov. 15.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for producing lower boiling point hydrocarbons. 1,890,316; Dec. 6.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbons. 1,890,374; Dec. 13.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,891,199; Dec. 27.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking petroleum oils. 1,892,451; Dec. 27.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oil. 1,892,452; Dec. 27.
Dubbs, Carbon P., Wilmette, and J. G. Alther, assignors to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbons. 1,847,388; Mar. 1.
Dube, Theophilous C. (See Pippin, Clyde A., assignor.)

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Duber, John A., Philadelphia, Pa., assignor of one-eighth to A. F. Bussman, five per cent to R. J. Hibbard, five per cent to J. G. Llewellyn, five per cent to A. George, ten per cent to L. B. Osborne, and ten per cent to M. Morley, Chester, Pa. Exhaust gas treating device. 1,844,034; Feb. 9.
Dubied Machine Company. (See Werfelman, Dietrick J., assignor.)
Dubilier Condenser Corporation. (See Coursey, Philip R. assignor.)
Dubilier Condenser Corporation. (See Coursey, P. R., and Andrewes, assignors.)
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
Dubilier Condenser Corporation. (See Edenburg, Ludwig, assignor.)
Dubilier Condenser Corporation. (See Fried, Joseph A., assignor.)
Dubilier Condenser Corporation. (See Goodman, William H., assignor.)
Dubilier Condenser Corporation. (See Houck, Harry W., assignor.)
Dubilier Condenser Corporation. (See Menut, Leroy E., assignor.)
Dubilier Condenser Corporation. (See Nyman, Alexander, assignor.)
Dubilier Condenser Corporation. (See Nyman, A., and Dubilier, assignors.)
Dubilier Condenser Corporation. (See Nyman, A., and Pedr, assignors.)
Dubilier, Philip, New York, N. Y. Antenna plug. 1,839,381; Jan. 5.
Dubilier, William. (See Nyman, A., and Dubilier.)
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Variable condenser. 1,841,095; Jan. 12.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Power factor condenser. 1,842,374; Jan. 26.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Variometer. 1,861,052; May 31.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,862,302; June 7.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser unit. 1,870,948; Aug. 9.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Rolled condenser. 1,870,949; Aug. 9.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,870,950; Aug. 9.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Adjustable condenser. 1,871,048; Aug. 9.
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Condenser. 1,848,215; Mar. 8.
Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,870,797; Aug. 9.
Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical structure. 1,874,936; Aug. 30.
Dubinsky, Harry, I. Goldenberg, Brooklyn, and M. Schachter, New York, N. Y. Latch for refrigerators. Des. 87,873; Oct. 4.
Dublin, Reagan C., assignor of one-half to Underwood Drilling Company, Wichita Falls, Tex. Pull rod slip clamp. 1,862,886; June 14.
Du Bois, David I. (See Headley, B. T., Du Bois, Koob, and Lobb.)
Dubois, Ernest J., Lowell, Mass. Copyholder. 1,873,744; Aug. 23.
Du Bois, Isaac J., Detroit, Mich. Auxiliary gas tank. 1,855,388; Apr. 26.
Du Bois, Ralph N., Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Internal combustion engine. 1,874,471; Aug. 30.
Du Bois, Virgil L., assignor to Stough Tank Erecting Company, Tulsa, Okla. Hydraulic pumping jack. 1,840,311; Jan. 12.
Du Bois, Virgil L., assignor to The Stough Tank Erecting Company, Tulsa, Okla. Gate valve. 1,871,965; Aug. 16.
Dubois, Werner A., assignor to Fabrique Solvil des Montres Paul Ditisheim Societe Anonyme, La Chaux-de-Fonds, Switzerland. Regulating device for clockworks. 1,859,866; May 24.
Dubonnet, André, Neuilly-sur-Seine, France. Shock absorbing suspension. 1,874,034; Aug. 30.
Dubosc, Edgardo, Turin, Italy. Gear wheel. 1,842,590; Jan. 26.
Dubow, Jacob A., Chicago, Ill. Inflatable ball. 1,869,135; July 26.
Dubpernell, George, Ann Arbor, assignor to Udylite Process Company, Detroit, Mich. Anode. 1,868,052; July 19.
Dubreuil, Gaston. Levallois-Perret, France. Liquid measuring apparatus. 1,846,852; Feb. 23.
Dubroca, Jose A. R., Vedado, Cuba. Vehicle wheel raising device. 1,855,949; Apr. 26.

Dubrovin, John, Logansport, Ind. Refrigerating system. 1,855,754; Apr. 26.
Dubrovin, John, assignor to Central Scientific Company, Chicago, Ill. Blower and vacuum pump. 1,879,136; Sept. 27.
Dubrovin, John, assignor to Central Scientific Company, Chicago, Ill. Pump. 1,890,571; Dec. 13.
Dubrovin, John, Chicago, Ill., assignor to Central Scientific Company. Pump. 1,890,572; Dec. 13.
Dubrovin, John, Chicago, Ill., assignor to Central Scientific Company. Vacuum pump. 1,890,573; Dec. 13.
Dubrovin, John, assignor to Central Scientific Company, Chicago, Ill. Vacuum pump. 1,890,574; Dec. 13.
Dubus, Gustave R., Mobile, Ala. Collapsible winder shaft. 1,891,147; Dec. 13.
Dubusc, Roger, and A. D. Illovici, Paris, assignors to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz, Montrouge, France. Circuit protection device. 1,885,189; Nov. 1.
Duby, John F., Boston, Mass. Holder for rolls of paper. 1,888,426; Nov. 22.
Duby, John F., Boston, Mass. Vehicle construction. 1,889,596; Nov. 29.
Duby, John F., Boston, Mass. Vehicle tire scuff detector. 1,890,218; Dec. 6.
Ducamp, Albert J., Versailles, France. Preventing preignition in internal combustion engines. 1,868,053; July 19.
Ducey, Alfred M., assignor to Kadow-Foundation, Inc., Toledo, Ohio. Visible display. 1,853,726; Apr. 12.
Duchek, Joseph B., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Head helmet. 1,839,657; Jan. 5.
Duchemin, Harry L. J. (See Dodge, M. L., and Duchemin.)
Du Chemin Film System Ltd. (See Kelley, William Van D., assignor.)
Duchscher, Bernard, Cleveland, Ohio. Metal reenforcement for structural reenforced concrete members. 1,871,594; Aug. 16.
Ducker, William L., Norman, Okla. Tape for controlling electrical apparatus. 1,855,805; Nov. 1.
Duckham, Arthur M., London, England. Dust separator. 1,851,819; Mar. 29.
Duckworth, Charles B., Magna, Utah. Crushing roll. 1,885,241; Nov. 1.
Duckworth, Leon A. (See Stamets, O., and Duckworth.)
Duckworth, Theophius O., and F. L. Horspool, Salt Lake City, Utah. Counterbalance. 1,850,904; Oct. 4.
Duckworth, Theophius O., and F. L. Horspool, Salt Lake City, Utah. Counterbalance. 1,880,905; Oct. 4.
Ducos, Joseph J. N., Harvest Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for sealing conductors under pressure. 1,850,581; Mar. 22.
Ducommun, Jesse C., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Skeleton piston head. 1,860,141; May 24.
Ducoty, Frank A., Middletown, Pa. Parachute. 1,857,014; May 3.
Duda, Oswald, South Houston, assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 1,858,988; May 17.
Duden, Emil G., assignor to Wm. B. Scaife & Sons Company, Oakmont, Pa. Fluid proportioning apparatus. 1,842,153; Jan. 19.
Dudley, Andrew T., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Automatic regulator apparatus. 1,853,263; Apr. 12.
Dudley, Charles H., Hanover, N. H. Head of a cane or similar article. Des. 87,566; Aug. 16.
Dudley, Colon J., Hamburg, N. Y. Basket handle. 1,855,825; Apr. 26.
Dudley, Colon J., Hamburg, N. Y. Liner for baskets. 1,888,495; Nov. 22.
Dudley, Edmond R., Los Angeles, Calif. Rotary pump or motor. 1,869,058; July 26.
Dudley, Frank R., Fitchburgh, Mass. Automobile headlight. 1,875,573; Sept. 6.
Dudley, Harvey. (See Stehli, F. E., and Dudley.)
Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,841,405; Jan. 19.
Dudley, Homer W., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in transmission. 1,859,030; May 17.
Dudley, James G., and J. G. Kreer, Brooklyn, assignor, by mesne assignments, to H. Osborne, New York, N. Y. Metallurgical process for the making of ferrous metals. 1,888,312; Nov. 22.
Dudley Lock Corporation. (See Full, George D., assignor.)
Dudley Lock Corporation. (See Full, G. D., Neitz, Nuntner, Buettner, and Birbaum, assignors.)
Dudley Lock Corporation. (See Hope, Samuel N., assignor.)
Dudley Lock Corporation, The. (See Winning, Robert K., assignor.)
Dudley Research Corporation. (See Levy, Dudley D., assignor.)
Dudley, Rollin W., St. Louis, Mo. Lubricant dispenser. 1,852,235; Apr. 5.
Dudley, Walter, Redditch, England. Windscreen wiper. 1,846,588; Feb. 23.
Dudley, William L., Seattle, Wash. Centrifugal humidifier. 1,875,711; Sept. 6.
Dudley, William L., and E. O. Kaup, assignors to Western Blower Company, Seattle, Wash. Air washer and humidifier. 1,848,327; Mar. 8.
Dudzeel Corporation of America. (See Mantell, Charles L., assignor.)
Duenewald, R. M. (See Meyer, W., and Duenewald.)
Duer, Edward C., Los Angeles, Calif. Rotary steam engine. 1,856,542; May 3.
Duerr, Charles, Brooklyn, assignor to S. Bruner, Far Rockaway, N. Y. Metallic binder for straps. 1,840,771; Jan. 12.
Duerr, Charles, Brooklyn, assignor, by mesne assignments, to S. Bruner, Inc., New York, N. Y. Strap for wrist watches. 1,859,819; May 24.
Duerr, Felix. (See Andrussow, L., and Duerr.)
Duerr, Karl B., Brooklyn, and H. E. Broyles, assignors to The Western Union Telegraph Company, New York, N. Y. Multiplex extended channel system. 1,880,906; Oct. 4.
Duerr, Winslow A., Breckenridge, Tex., assignor to Cabot Co., Boston, Mass. Pneumatic separator. 1,880,907; Oct. 4.
Duers, Clarence R., assignor to Duers Signal Company, Inc., Glens Falls, N. Y. Electrically operated whistle. 1,869,052; July 26.
Duers Signal Company, Inc. (See Duers, Clarence R., assignor.)
Duesberg, Louis T., Hoxie, Kans. Cleaner for rollers of elevating graders. 1,871,503; Aug. 16.
Duesenberg, Frederick S., assignor to Indianapolis Corporation, Indianapolis, Ind. Cooling system for internal combustion engines. 1,852,770; Apr. 5.
Duey, Harold S. (See Duncan, J. K., and Duey.)
Dufault, Homer D., assignor of two-tenths to A. Fugere, two-tenths to E. Fugere, two-tenths to A. Boucher, one-tenth to H. Bernier, and one-tenth to H. Bernier, Easthampton, Mass. Burner. 1,862,051; June 7.
Dufault, Homer D., assignor of two-tenths to A. Fugere, two-tenths to E. Fugere, and two-tenths to A. Boucher, one-tenth to H. Bernier, and one-tenth to H. Bernier, Easthampton, Mass. Oil burner. 1,867,659; July 19.
Dufay, Louis, Versailles, France. Color printing. 1,839,956; Jan. 5.
Dufay, Louis, Versailles, France, assignor to H. Wade, London, England. Color photography. 1,848,998; Mar. 8.
Duff, Charles L., Columbus, Ohio. Exercising machine. 1,869,673; Aug. 2.
Duff, Ewen C., assignor to Kops Bros, Inc., New York, N. Y. Apparel garment. 1,840,837; Jan. 12.
Duff, Ewen C., assignor to Kops Brothers, Inc., New York, N. Y. Garment. 1,850,709; Mar. 22.
Duff-Norton Manufacturing Company, The. (See Hobbs, John W., assignor.)
Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H.)
Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Duff Norton Manufacturing Company, The. (See Schwerin, F. H., and Hebbeln, assignors.)
Duff Patents Company. (See Treat, Francis H., assignor.)
Duff, Ralph L., Roselle, N. J., assignor to Standard Oil Development Company. Chemical apparatus and lining the same. 1,883,630; Oct. 18.
Duff, Verson C., Washington, D. C. Machine for manufacturing hollow concrete bricks. 1,863,839; June 21.
Duffendack, Ora S. (See Schaefer, F., and Duffendack.)
Duffendack, Ora S., and Thor and H. Habezanna, assignors to A C Spark Plug Company, Flint, Mich. Spark plug electrode and other electron emitting device. 1,872,065; Aug. 16.
Duffield, Frederick L., London, England. Steam generator. 1,842,935; Jan. 26.
Duffield, George B., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Air valve. 1,851,960; Mar. 29.
Duffield, George B., assignor to Detroit Lubricator Company, Detroit, Mich. Pop valve. 1,865,560; July 5.
Duffin, John V., Chicago, Ill. Container for paper in rolls. 1,885,896; Nov. 1.
Dufford, John R. (See Hough, A., Dufford, and Leonard.)
Dufford, John R., Paterson, assignor to The Paterson Parchment Paper Co., Passaic, N. J. Reclaiming used vegetable parchment tympans. 1,858,437; May 17.
Duffy, Bert J., Pittsburgh, Pa., assignor to Hercules Powder Company, Wilmington, Del. Connecter for cordeau Bickford. 1,887,122; Nov. 8.
Duffy, Charles H., Miami, Fla. Diaphragm for radio loud speakers. 1,845,584; Feb. 16.
Duffy, Charles H., Miami, Fla. Radio loud speaker. 1,845,585; Feb. 16.
Duffy, Charles H., Miami, Fla. Radio loud speaker. 1,845,586; Feb. 16.
Duffy, Francis. (See Maclean, N. Quinn, and Duffy.)
Duffy, Francis, Hamilton, Ontario, Canada. Fabric dyeing machine. 1,869,674; Aug. 2.
Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Draft plate. 1,840,938; Jan. 12.
Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Emergency brake pad. 1,878,440; Sept. 20.

Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Mat. 1,883,737 ; Oct. 18.
Duffy, James T., jr., Wynnewood, Pa., assignor to Pioneer Suspender Company. Apparel belt. 1,880,908 ; Oct. 4.
Duffy, James U., Cleveland, and J. H. Richards, Carrollton, Ohio. Bottle cap and stopper. Re18,669 ; Nov. 29.
Duffy, John J. (See Zimmermann, W. F., and Duffy.)
Duffy Manufacturing Company. (See Duffy, James F., assignor.)
Duffy, Thomas I., assignor of one-half to J. C. Walker and one-half to R. N. Burton, Chicago, Ill. Vehicle spring suspension. 1,841,795 ; Jan. 19.
Duffy, Thomas I., assignor, by mesne assignments, to William J. McIntyre, Detroit, Mich. Automobile bumper. 1,858,541 ; May 17.
Duffy, Tom I., Detroit, Mich., assignor, by mesne assignments, to The Bassick Company, Bridgeport, Conn. Hood latch. 1,858,819 ; Nov. 22.
Dufour, George H., Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Counter mirror. Des. 88,344 ; Nov. 22.
Dufour, Leon, Versoix, near Geneva, Switzerland. Rotary tiller. 1,840,188 ; Jan. 5.
Dufour, Leon, Versoix, near Geneva, Switerland. Reversible rotary plow. 1,892,485 ; Dec. 27.
Dufraisse, Charles. (See Chaux, R., and Dufraisse.)
Duftschmid, Franz. (See Schlecht, L., and Duftschmid.)
Duftschmid, Franz. (See Schlecht, L., Schubardt, and Duftschmid.)
Duftschmid, Franz. Heidelberg, and L. Schlecht, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of iron having valuable magnetic properties. 1,855,737 ; Apr. 26.
Dugan, Annie, deceased, Chicago, Ill.; A. B. Weinfeld, executor, assignor to herself as trustee. Composition for paper sizing and setting dyes. 1,846,589 ; Feb. 23.
Dugan Brothers Inc. (See Steffen, Charles G., assignor.)
Dugan, Ira E., Ponca City, Okla. Record container for motor vehicles. 1,885,692 ; Nov. 1.
Dugan, Joseph, Los Angeles, Calif. Continuous aim gunfire control system. 1,880,174 ; Sept. 27.
Dugan, Louis H., Tipton, Okla. Generator tester. 1,874,259 ; Aug. 30.
Dugan, Thomas, assignor of one-half to R. B. Davis, Wichita, Kans. Beet harvesting machine. 1,879,137 ; Sept. 27.
Dugan, Thomas J., assignor to M. J. O'Donnel, Lakewood, Ohio. Soldering apparatus. 1,876,821 ; Sept. 13.
Du-Gas Fire Extinguisher Corporation. (See Dugas, Lodias J., assignor.)
Du-Gas Fire Extinguisher Corporation. (See Meigs, Charles B., assignor.)
Dugas, Lodias J., Chicago, Ill., assignor to Du-Gas Fire Extinguisher Corporation, New York, N. Y. Extinguishing fires. 1,857,243 ; Jan. 5.
Dugas, Lodias J., Chicago, Ill., assignor to Du-Gas Fire Extinguisher Corporation, New York, N. Y. Fire extinguishing method. 1,877,406 ; Sept. 13.
Dugas, Lodias J., assignor to Du-Gas Fire Extinguisher Corporation, Chicago, Ill. Spraying device for powdered material. 1,886,161 ; Oct. 4.
Dugdale, Charles R., Fairhaven, Mass. Egg carton. 1,892,612 ; Dec. 27.
Dugdale, Margaret L., assignor to Maryland Glass Corporation, Baltimore, Md. Vase. Des. 85,918 ; Jan. 5.
Dugdale, Margaret L., assignor to Maryland Glass Corporation, Baltimore, Md. Vase. Des. 85,919 ; Jan. 5.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,852,643 ; Apr. 5.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,852,645 ; Apr. 5.
Dugdill, Dora. (See Dugdill, H. F. and D.)
Dugdill, Harold F. and D., Norbury Stockport, England. Tubular swivel connection for electric light and similar fittings. 1,884,890 ; Apr. 26.
Dugelay, Paul, assignor to Societe d'Exploitation de Brevets pour l'Industries, l'Aviation et l'Automobile (S. E. B. A.), Paris, France. Compressor for internal combustion engines. 1,888,981 ; Nov. 29.
Duggan, William H., assignor of four-tenths to B. Clarke, one-tenth to C. W. Clarke and one-tenth to F. M. Clarke, Chicago, Ill. Container and handle means. 1,840,492 ; Jan. 12.
Dugger, George F., assignor of one-half to James Garland, Allen, Tex. Cultivator shovel. 1,870,105 ; Aug. 2.
Dugied, Eugène A., Courbevoie, assignor to Societe Anonyme Des Anciens Etablissements Hotchkiss & Compagnie, St. Denis, France. Tripod mounting for firearms. 1,849,742 ; Mar. 15.
Duginski, John J. (See Brooks, G. W., and Duginski.)
Du Grenier, Arthur H., Haverhill, Mass. Coin controlled apparatus. 1,868,877 ; July 26.
Du Grenier, Arthur H., Haverhill, Mass. Dispensing machine. 1,873,317 ; Aug. 23.
Du Grenier, Arthur H., Haverhill, Mass. Dispensing mechanism. 1,881,175 ; Oct. 4.
Duhl, Andrew L., Dennison, Ohio. Card table ash receptacle. 1,885,088 ; Oct. 25.
Duignan, Patrick J., Kankakee, Ill. Poultry car. 1,863,367 ; June 14.
Dujardin, Henry. (See Rensonnet, Oscar, assignor.)
Duke, Edgar, et al. (See Malcom, H. L., and Harker, assignors.)
Duke, John C., Washington, D. C. Box holder. 1,850,002 ; Mar. 15.
Duke, John F. (See Duke John W., assignor.)
Duke, John W., assignor to J. F. Duke, Philadelphia, Pa. Airplane. 1,845,251 ; Feb. 16.
Dukelow, Arthur, Piedmont, Mo. Hardpan plow. 1,840,939 ; Jan. 12.
Dukes, David L., St. George, S. C. Manually operated ground working implement. 1,885,089 ; Oct. 25.
Dukes, Israel, and B. M. Zieve, assignors to Diamond Paper and Box Co., Philadelphia, Pa. Coat hanger. 1,843,546 ; Feb. 2.
Dukes, Israel, and B. M. Zieve, assignors to Diamond Paper and Box Co., Philadelphia, Pa. Collapsible packing case. 1,843,547 ; Feb. 2.
Dukes, Israel, and B. M. Zieve, assignors to Diamond Paper and Box Co., Philadelphia, Pa. Collapsible wardrobe box. 1,861,845 ; June 7.
Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Automatic bucket loader. 1,843,124 ; Feb. 2.
Dull, Raymond W., Chicago, Ill., and E. Geertz, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Four point contact chain. 1,865,844 ; July 5.
Duluth Refrigerator Corporation. (See Ophuls, F., and Nuss, assignors.)
Dumas, Maxwell G., Pittsburgh, Pa. Molding hollow clay bodies. 1,859,768 ; May 24.
Dumhollon, Charles J., Seattle, Wash. Hydraulic-mining shovel. 1,843,809 ; Feb. 2.
Du Menil, Alex, San Antonio, Tex. Emery wheel stand. 1,844,749 ; Feb. 9.
Du Mont, Allen B., Montclair, N. J. Sound operated circuit controller. 1,844,117 ; Feb. 9.
Du Mont, Allen B., Montclair, and P. T. Weeks, Caldwell, N. J., assignors to Westinghouse Lamp Company. Multiple electrode radiotron. 1,857,589 ; May 10.
Dumore, Company, The. (See Beach, Chester H., assignor.)
Dunbar, Arch R., Grimes, Iowa, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for treating the contents of closed containers. 1,851,820 ; Mar. 29.
Dunbar, Harold F., assignor to The McConway & Torley Company, Pittsburgh, Pa. Supporting car couplers. 1,848,519 ; Mar. 8.
Dunbar, Thomas L., Watertown, N. Y. Process and apparatus for digesting fibrous materials. 1,859,384 ; May 24.
Dunbar, Thomas L., and A. D. Merrill, Watertown, N. Y. Digesting process and apparatus. 1,888,632 ; Nov. 22.
Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit halving, coring, and pitting apparatus. 1,847,295 ; Mar. 1.
Duncan, B. Stiles, et al. (See Hollinger, William M., assignor.)
Duncan Coffee Company. (See Starnes, Henry, assignor.)
Duncan, Earl C., St. Anne, Ill. Combined plant duster and fertilizer. 1,883,771 ; Oct. 18.
Duncan Electric Manufacturing Company. (See Emens, Albert L., assignor.)
Duncan Electric Manufacturing Company. (See Fryer, Roy C., assignor.)
Duncan Electric Manufacturing Company. (See Green, Stanley S., assignor.)
Duncan Electric Manufacturing Company. (See Harris, Jesse, assignor.)
Duncan, George D., jr. (See Rodgers, E., jr., and Duncan.)
Duncan, H. M., et al. (See Davis, Donald P., assignor.)
Duncan, H. M. (See Stukes, Horace A.)
Duncan, Hugh M. (See Parsons, C. A., and Duncan.)
Duncan, James, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lavatory and shower valve handle. Des. 87,511 ; Aug. 9.
Duncan, James W., Wilson Fruits, Tex. Vision distributing machine. 1,862,666 ; June 14.
Duncan, John H. (See Carter, C. S., and Duncan.)
Duncan, John H., assignor of one-half to L. W. Price, Salem, Oreg. Roofing shingle. 1,851,088 ; Mar. 29.
Duncan, Patrick, Oklahoma City, Okla. Valve. 1,875,574 ; Sept. 6.
Duncan, Robert D., jr., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Polyphase filter circuit. 1,839,201 ; Jan. 5.
Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. System of electrical distribution. 1,891,190 ; Dec. 13.
Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Electron discharge tube adapter. 1,851,621 ; Dec. 20.
Duncan, Robert D., jr., and A. M. Trogner, Maplewood, N. J., assignors to Wired Radio, Inc., New York, N. Y. Electron discharge tube adapter. 1,886,657 ; Nov. 8.
Duncan, T. H. F. (See Grant, Robert U., assignor.)
Duncan, Thomas P., jr., Newport News, Va. Milk bottle top. 1,840,889 ; Jan. 12.
Duncan, Thomas P., jr., Newport News, Va. Furniture caster. 1,849,570 ; Mar. 15.
Duncan, Thomas P., jr., Newport News, Va. Incendiary bomb. 1,877,232 ; Sept. 13.

Duncan, Walter H., et al. (See Smith, Orville O., assignor.)

Duncan, William A., Statesville, N. C. Equalizing table slide. 1,860,019 ; May 24.

Duncan, William M., Alton, Ill. Finishing machine for wheels, etc. 1,856,846 ; May 3.

Duncan, William M., Alton, Ill. Cast wheel. 1,859,077 ; May 17.

Duncan, William M., Alton, Ill. Molded metallic core. 1,859,078 ; May 17.

Duncan, William M., Alton, Ill. Casting wheels and other articles. 1,859,079 ; May 17.

Dunckley, Albert A., Lockport, N. Y., assignor to Jefferson Union Company, Lexington, Mass. Range boiler coupling. 1,872,702 ; Aug. 23.

Dun Deer Sandals, Inc. (See De Witt, W. J., Pierce, and Hommel, assignors.)

Dun Deer Sandals, Inc. (See Mathews, Edward F., assignor.)

Dunell, Bernard Vancouver, British Columbia, Canada. Collapsible tube holder. 1,860,662 ; May 31.

Duner Company. (See Duner, John C., assignor.)

Duner, John C., assignor to Duner Company, Chicago, Ill. Water closet. 1,845,252 ; Feb. 16.

Dunford, Bert, assignor to Landis Machine Company, St. Louis, Mo. Channeling tool. 1,877,231 ; Sept. 13.

Dungan, John E., Chicago, Ill., assignor, by mesne assignments, of one-half to Remington Rand Inc., Buffalo, N. Y. Folding credit recister. 1,870,444 ; Aug. 9.

Dunham, Bert G., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,849,662 ; Mar. 15.

Dunham, Byron W., Oakmont, assignor to Edgewater Steel Company, Pittsburgh, Pa. Preparation of blooms for rolling. 1,884,631 ; Oct. 25.

Dunham, C. A., Company. (See Crosthwait, David N., Jr., assignor.)

Dunham, C. A., Company. (See Crosthwait, D. N., Jr., and Brennan, assignors.)

Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)

Dunham, C. A., Company. (See Randel, Bo F., assignor.)

Dunham, C. A., Company. (See Schmidt, Ferdinand E., assignor.)

Dunham, C. A., Company. (See Thinn, C. A., and Taylor, assignors.)

Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Differential heating system. 1,874,937 ; Aug. 30.

Dunham Company, The. (See Karl, George E., assignor.)

Dunham Company (1931), The. (See Miller, Myron D., assignor.)

Dunham, Franklin, Brooklyn, N. Y., assignor to Radio Corporation of America. Practice keyboard and producing the same. 1,890,724 ; Dec. 13.

Dunham, George W., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine. 1,842,154 ; Jan. 19.

Dunham, George W., assignor to The Whirldry Corporation, New Haven, Conn. Tank for laundry machines. 1,864,190 ; June 21.

Dunham, George W., assignor, by mesne assignments, to The Whirldry Corporation, New Haven, Conn. Gearing. 1,869,602 ; Dec. 13.

Dunham, Henry V., Bainbridge, N. Y. Making plywood. 1,873,827 ; Aug. 23.

Dunham, Henry V., Bainbridge, N. Y. Glue and making plywood. 1,892,486 ; Dec. 27.

Dunham, John R. (See Dalton, G. A., and Dunham,)

Dunham, John R., New Brunswick, N. J. Locking antifriction bearings to shafts. 1,889,063 ; Nov. 29.

Dunham, John R., New Brunswick, N. J. Locking antifriction bearings to shafts. 1,889,064 ; Nov. 29.

Dunham, LeRoy S., East Orange, and A. F. Robertson, Belleville, assignors to Splitdorf Electrical Company, Newark, N. J. Magneto electric generator. 1,887,624 ; Nov. 15.

Dunham, Orson W., Webb City, Mo., assignor to Wertzberger Derrick Company. Pitman bearing assembly. 1,868,817 ; July 26.

Dunham, Robert, Maywood, assignor of one-half to N. K. Wallace, Los Angeles, Calif. Power jack. 1,841,884 ; Jan. 19.

Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Devulcanizing and reclaiming rubber and product thereof. 1,847,099 ; Mar. 1.

Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Plasticizing rubber. 1,847,000 ; Feb. 1.

Dunham, Robert A., Long Beach, and M. T. Flaxman, assignors to Union Oil Company of California, Los Angeles, Calif. Reclaiming rubber. 1,847,001 ; Mar. 1.

Dunhill, Vernon, London, England. Mouthpiece for tobacco pipes and cigar and cigarette holders. 1,861,910 ; June 7.

Dunican, George F., Rockville Center, N. Y., assignor to The National Casket Company, Inc., Boston, Mass. Textile fabric or similar article. Des. 86,831 ; Apr. 26.

Dunkel, Manfred. (See Hofmann, F., and Dunkel.)

Dunkelberger, Harry E., Weirton, W. Va. Clamshell bucket. 1,865,091 ; June 28.

Dunkelberger, Milton S., Dayton, Ohio. Fish bait. Des. 87,050 ; May 31.

Dunkelberger, Milton S., Dayton, Ohio. Artificial fish bait. 1,842,591 ; Jan. 26.

Dunker, Henry C. L., Helsingborg, Sweden. Device for obtaining a sharp cutting of the rubber goloshing of cloth shoes or the like footwear provided by pressing with wholly or partly rubber-covered sides. 1,842,719 ; Jan. 26.

Dunker, Henry C. L., Helsingborg, Sweden. Pressing up of rubber footwear, galoshes, or the like. 1,868,137 ; July 19.

Dunker, Henry C. L., Helsingborg, Sweden. Making galoshes, shoes with rubber soles, or the like by pressing. 1,870,359 ; Aug. 9.

Dunkin, Winfield R., Huntington, Ind. Ironing board mounting. 1,888,114 ; Nov. 15.

Dunkle, Herbert E., Jackson Heights, and J. Becker, Flushing, assignors, by mesne assignments, to Semet-Solvay Engineering Corporation, New York, N. Y. Oven door, frame, and fastening device. 1,878,680 ; Sept. 20.

Dunlap, Charles K., Hartsville, S. C. Winding machine. 1,842,718 ; Jan. 26.

Dunlap, Charles K., Hartsville, S. C. Thread core for dyeing operations and making same. 1,862,259 ; June 7.

Dunlap Charles K., assignor to Sonoco Products Company Hartville, S. C. Winding device. 1,845,833 ; Feb. 16.

Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Thread core. 1,860,020 ; May 24.

Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Spool. 1,885,030 ; Nov. 1.

Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Winding spool. 1,889,278 ; Nov. 29.

Dunlap, Charles M., South Pasadena, Calif. Hammock stand. 1,880,909 ; Oct. 4.

Dunlap, Clarence E., Sioux City, Iowa. Process and apparatus for beveling tire patches. 1,850,910 ; Oct. 4.

Dunlap, Emmett A., Fort Worth, Tex., assignor to Reliance Machine & Stamping Works, Inc., New Orleans, La. Pressure grease gun. 1,843,113 ; Feb. 2.

Dunlap, Emmett A., Fort Worth, Tex., assignor to Reliance Machine & Stamping Works, Inc., New Orleans, La. Pressure grease gun. 1,870,497 ; Aug. 9.

Dunlap, Harry B., Los Angeles, Calif., assignor, by mesne assignments, to Samuel A., assignor.)

Dunlap, Lester G., Stockton, Calif. Digger chain. 1,886,382 ; Nov. 8.

Dunlop, Matthew A. (See Suits, C. G., and Dunlap.)

Dunlop Rubber Company Limited et al. (See Stuart, Thomas, assignor.)

Dunlap, William H., Long Beach, Calif. Sand and gas separator. 1,868,003 ; July 19.

Dunlap, Zae D. (See Gill, Samuel A., assignor.)

Dunlavy, Charles A., Monongahela, Pa. Poultry waterer. 1,883,631 ; Oct. 18.

Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company. Automatic reset safety device. 1,864,588 ; June 28.

Dunlop, James, Park Ridge, Ill., assignor, by mesne assignments, to Westinghouse Electric Elevator Company. Brake for elevators. 1,871,164 ; Aug. 9.

Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company. Overspeed brake at terminals. 1,871,213 ; Aug. 9.

Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company. Snubber for elevators. 1,873,826 ; Aug. 23.

Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric & Manufacturing Company. Elevator car safety device. 1,873,829 ; Aug. 23.

Dunlop, Porter, Arlington, Mass. Folding stool with table extension. 1,856,378 ; May 3.

Dunlop, Robert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Oiling device for electric controllers. 1,854,121 ; Apr. 12.

Dunlop Rubber Company. (See Owen, Eric W. B., assignor.)

Dunlop Rubber Company. (See Trobridge, Goeffrey W., assignor.)

Dunlop Rubber Company Limited. (See Chapman, W. H., Pounder, and Murphy, assignors.)

Dunlop Rubber Company Limited. (See Cropper, Thomas, assignor.)

Dunlop Rubber Company Limited. (See Hayes, C., Madge, and Lane, assignors.)

Dunlop Rubber Company Limited. (See Hayes, C., Madge, and Jennings, assignors.)

Dunlop Rubber Company Limited. (See Macbeth, Colin, assignor.)

Dunlop Rubber Company, Limited. (See Murphy, E. A., and Niven, assignors.)

Dunlop Rubber Company Limited. (See Murphy, E. A., and Twiss, assignors.)

Dunlop Rubber Company Limited. (See Murphy, E. A., Jones, and Twiss, assignors.)

Dunlop Rubber Company Limited. (See Twiss, D. F., and Murphy, assignors.)

Dunlop Rubber Company Limited. (See Twiss, D. F., Purkis, and Murphy, assignors.)

Dunlop Rubber Company Limited. (See Willshaw, Harry, assignor.)

Dunlop Rubber Company Limited. (See Willshaw, H., and Blanchard, assignors.)

Dunlop Rubber Company, Limited, et al. (See Willshaw, H., Cowles, and Smith, assignors.)

Dunlop Rubber Company Limited. (See Willshaw, H., Goodhall, and Folliss, assignors.)
Dunlop Tire and Rubber Corporation. (See Beynon, Donald E., assignor.)
Dunlop Tire and Rubber Corporation. (See Lambourn, Leonard J., assignor.)
Dunlop Tire and Rubber Corporation. (See McChesney, Cuyler S., assignor.)
Dunlop Tire and Rubber Corporation. (See Reid, F. G., and Norcross.)
Dunlop Tire and Rubber Corporation. (See Willshaw, H., and Norcross, assignors.)
Dunlop Tire and Rubber Corporation of America. (See Penfold, Albert E., assignor.)
Dunmire, Russell P. (See Rodman, C. J., and Dunmire.)
Dunmire, Russell P. (See Rodman, Clarence J., and Dunmire, assignors.)
Dunmire, Russell P., Alliance, Ohio. Threadless connecter. 1,840,312; Sept. 12.
Dunn, Allen L., assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa. Measuring device. 1,876,280; Sept. 12.
Dunn, Clifford Ira, Short Hills, N. J. Wick for humidifiers. 1,852,004; Apr. 5.
Dunn, David. (See Green, E. W., Unthank, and Dunn.)
Dunn, Edward L., Montclair, N. J., assignor to Otis Elevator Company, New York, N. Y. Interlocking mechanism. 1,847,039; Feb. 23.
Dunn, Edward L., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 1,860,333; May 24.
Dunn, Frank B., assignor to The Dunn Wire-Cut Lug Brick Company, Conneaut, Ohio. Paving brick. Re18,336; Jan. 19.
Dunn, Frank H., Long Island, N. Y. Skin folder. 1,847,832; Mar. 1.
Dunn, Frank J., assignor to G. A. Bisler, Inc., Philadelphia, Pa. Display box. 1,867,447; July 12.
Dunn, George T. (See Carson, Lee L., assignor.)
Dunn, Glen, assignor to Eby Manufacturing Company, San Francisco, Calif. Discharge mechanism for tying machines. 1,877,564; Sept. 13.
Dunn, Harry R., assignor to W. E. Dunn Manufacturing Company, Holland, Mich. Spraying device. 1,863,924; June 21.
Dunn, Hollis C., East McKeesport, Pa. Differentiating brake. 1,869,470; Aug. 2.
Dunn, Jerry I., Ellwood City, assignor to National Tube Company, Pittsburgh, Pa. Making seamless tubes. 1,839,017; Dec. 29.
Dunn, Joseph A., Los Angeles, Calif. Service station. 1,858,433; May 17.
Dunn, Joseph Thomas, Ohio, assignor to Air Lift Development Corporation, Tulsa, Okla. Method of and apparatus for flowing wells. 1,847,295; Mar. 1.
Dunn, Thomas E., New York, N. Y. Rack attachments for pocket billiard tables. 1,842,080; Jan. 19.
Dunn, Thomas E., New York, N. Y. Rack attachment for pocket billiard tables. 1,878,449; Sept. 20.
Dunn, Thomas E., assignor to The Billiard Company, Bridgeport, Conn. Anodic removal of surface metal film. 1,867,527; July 12.
Dunn, W. E., Manufacturing Company. (See Dunn, Harry E., assignor.)
Dunn, Wendell, Marshalltown, Iowa. Motor vehicle breather pipe attachment. 1,864,417; June 21.
Dunn, William H., Mount Clemens, Mich. Electrically steam heated radiator. 1,854,332; Apr. 19.
Dunn, William C., et al., trustees. (See Eisenstein, Julius, assignor.)
Dunn, William C., Chicago, Ill. Adjusting vehicle springs. 1,880,343; Oct. 4.
Dunn, William G., Clarinda, Iowa. Abrasive holder. Des. 87,627; Aug. 23.
Dunn Wire-Cut Lug Brick Company, The. (See Dunn, Frank B., assignor.)
Dunnan, Percy L., Fort Worth, Tex. Tool for removing broken vehicle axles. 1,855,283; Apr. 26.
Dunne, James P., Buffalo, N. Y. Adjustable electric sign frame. 1,865,892; July 5.
Dunneback, Joseph G. (See Draper, C. H., Lees, Grosser, and Dunneback.)
Dunnebier, Max. (See Winkler, A., and Dunnebier.)
Dunning, Carroll H., Los Angeles, Calif., assignor to Dunning Process Company. Producing composite photographs with sound accompaniment. 1,858,767; May 17.
Dunning, Fitzgerald, Baltimore, Md. Hydroxy mercuri derivatives of fluorescin iodinated sulphone phthaleins. 1,863,268; June 14.
Dunning, Fitzgerald, and A. E. Stickels, assignors to Hynson, Westcott & Dunning, Inc., Baltimore, Md. Mercury derivatives of halogenated sulphone phthaleins. 1,863,241; June 14.
Dunning, Leighton. (See Kogstron, Axel W., assignor.)
Dunning Process Company. (See Dunning, Carroll H., assignor.)
Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Autographic register. 1,841,096; Jan. 12.
Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Indicator for cash registers. 1,874,938; Aug. 30.
Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Autographic register. 1,874,939; Aug. 30.
Dunois, Charles, Champigny, France. Valve cap for pneumatic tires. 1,887,293; Nov. 8.
Dunoyer, Louis D. J. A., Neuilly-sur-Seine, France. Illuminating device for projecting sound films. 1,839,745; Jan. 5.
Dunsford, Reuben. (See Layhon, Arthur J., assignor.)
Dunwoodie, David M., Trotwood, Ohio. Hose structure. 1,844,148; Feb. 9.
Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,852,558; Apr. 5.
Dunzweiler, Carl J., Cleveland, and H. W. Lormor, Cleveland Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery cell. 1,860,663; May 31.
Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery holddown. 1,867,735; July 19.
Duplan Silk Corporation. (See Castro, Edward, assignor.)
Duplate Corporation. (See Colbert, William H., assignor.)
Duplate Corporation. (See Fix, Earl L., assignor.)
Duplate Corporation. (See Fix, E. L., and Macht, assignors.)
Duplate Corporation. (See Lytle, William O., assignor.)
Duplate Corporation. (See Sherts, James H., assignor.)
Duplate Corporation. (See Sherts, James H., assignor.)
Duplessis, Rene E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon the toe portions of boots and shoes. 1,847,334; Mar. 1.
Duplessis, Rene E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe parts. 1,891,259; Dec. 20.
Duplex Electric Company. (See Ellithorpe, Clarence D., assignor.)
Duplex Envelope Co. Inc. (See Jones, M. O., and Shomaker, assignors.)
Duplex Printing Press Company. (See Bechman, Henry E., assignor.)
Duplex Printing Press Company. (See Dean, Edmund W., assignor.)
Dupont Cellophane Company. (See Wright, Henry H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Adamson, William A., and Wuertz, assignors.)
Du Pont, E. I., de Nemours & Company. (See Almquist, John A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Alt, C. A., and McLean, assignors.)
Du Pont, E. I., de Nemours & Company. (See Altweg, Jean, assignor.)
Du Pont, E. I., de Nemours & Company. (See Arnold, Edward F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Asire, H. W., Perkins, and Martin, assignors.)
Du Pont, E. I., de Nemours & Company. (See Barnhart, George, assignor.)
Du Pont, E. I., de Nemours & Co. (See Beekley, John S., assignor.)
Du Pont, E. I., de Nemours and Company. (See Bidaud, Florentin, assignor.)
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bradner, Donald B., assignor.)
Du Pont, E. I., de Nemours & Co. (See Bryan, Leon O., assignor.)
Du Pont, E. I., de Nemours & Co. (See Buckley, James R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Burdick, Charles L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Burke, Charles E., assignor.)
Du Pont, E. I. de Nemours & Company. (See Burke, C. E., and Lawson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Downing, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Dougherty, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Lee, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and McDermott, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Parmelee, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Reynolds, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Somers, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Walker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Collins, Arnold M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Coolidge, C., and Holt, assignors.)
Du Pont, E. I., de Nemours & Company. (See Cox, I. J., Kirst, and Woodbury, assignors.)
Du Pont, E. I., de Nemours & Company. (See Craves, George D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Darling, J. P., and Powers, assignors.)
Du Pont, E. I., de Nemours & Company. (See Daudt, Herbert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Davis, Clark W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Deinet, J., Goodrich, and Ullmann, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dodge, Ralph L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dorough, George L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Edmondson, William H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Embardt, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, M., and Tisdale, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ensminger, George L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fielding, Edgar W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Frei, John, assignor.)
Du Pont, E. I., de Nemours & Company. (See Gilbert, John W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Goodrich, R. J., and Gubelmann, assignors.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Greenewalt, C. H., assignor.)
Du Pont, E. I., de Nemours and Company. (See Grillet, Nicolas B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., and Henke, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., Goodrich, and Rinteiman, assignors.)
Du Pont, E. I., de Nemours & Company. (See Henke, Clyde O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Welland, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hoffman, Frank C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., and Segur, assignors.)
Du Pont, E. I., de Nemours & Company. (See Howell, Edward T., assignor.)
Du Pont, E. I., de Nemours Company. (See Howell, E. T., and Stallman, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hucks, Robert T., assignor.)
Du Pont, E. I., de Nemours and Company. (See Izsak, A., and McDermott, assignors.)
Du Pont Viscoloid Company. (See Kahn, Julius, assignor.)
Du Pont, E. I., de Nemours & Company. (See Knapp, Paul, assignor.)
Du Pont, E. I., de Nemours & Company. (See Kramer, Richard L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lantz, H. and Schideler, assignors.)
Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)
Du Pont, E. I., de Nemours and Company. (See Lawrie, James W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lawson, W. E., and Sandborn, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lawson, W. E., and Wernitz, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lewers, W. W., and Paterson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lewis, Harold A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lheure, Louis, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Fox, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., Fox, and Smith, assignors.)
Du Pont, E. I., de Nemours & Company. (See McIntyre, William A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Morton, Percy B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Patterson, Gordon D., assignor.)
Du Pont, E. I. de Nemours & Co. (See Naoum, Phokion, assignor.)
Du Pont, E. I., de Nemours & Company. (See Picton, Norman, assignor.)
Du Pont, E. I., de Nemours & Company. (See Powers, Donald H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Prager, H. A., and Deinet, assignors.)
Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Richardson, Roger W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Richardson, R. W., and Sherman, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rintelman, William L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rintelman, W. L., and Goodrich, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rotherham, Walster S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scharff, Godfrey E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Seaman, Stewart E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Spaeth, Charles F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallman, Otto, assignor.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Svanoe, Hans, assignor.)
Du Pont, E. I., de Nemours & Company. (See Taylor, Guy B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Theumann, Max J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Thomaschewski, Paul E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tinker, J. M. and Spiegler, assignors.)
Du Pont, E. I., de Nemours & Company. (See Traill, David, assignor.)
Du Pont, E. I., de Nemours & Company. (See Verderosa, Joseph M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wernitz, Joseph H., assignor.)
Du Pont, E. I., de Nemours & Company. (See William, Roger, assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Neal, assignors.)
Du Pont, E. I., de Nemours & Company. (See Woodbridge, Richard G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wrightsman, Philip G., assignor.)
Du Pont Film Manufacturing Corporation. (See Zelger, Georges E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Zimmerli, A., and Lyon, assignors.)
Du Pont, E. I., de Nemours & Co. (See Zinner, Daniel, assignor.)
Du Pont Film Manufacturing Corporation. (See Rose, Chester E., assignor.)
Du Pont Film Manufacturing Corporation. (See Sease, Virgil B., assignor.)
Du Pont, Francis I., Wilmington, Del. Separating coal from impurities. 1,870,613; Aug. 9.
Dupont, Joseph, Liege, Belgium. Axial ventilating device for the stators of electric machines. 1,882,487; Oct. 11.
Du Pont Rayon Company. (See Banigan, Thomas F., assignor.)
Du Pont Rayon Company. (See Frey, Severn M., assignor.)
Du Pont Rayon Company. (See Guenther, A. E., and Poola, assignors.)
Du Pont Rayon Company. (See Haskins, Joseph F., assignor.)
Du Pont Rayon Company. (See Joyner, R. T., Bowles, and Freed, assignors.)
Du Pont Rayon Company. (See Lecomte, Gustave, assignor.)
Du Pont Rayon Company. (See Nash, Roy W., assignor.)
Du Pont Rayon Company. (See Prince, Edmond, assignor.)
Du Pont Viscoloid Company. (See Davis, Francis B., jr., assignor.)
Du Pont Viscoloid Company. (See Donaldson, Alfred S., assignor.)
Du Pont Viscoloid Company. (See Lach, Frederick, assignor.)
Dupont Viscoloid Company. (See Leheney, John H., assignor.)
Du Pont Viscoloid Company. (See Payne, Daniel D., assignor.)
Du Pont Viscoloid Company. (See Person, Earl R., assignor.)
Du Pont Viscoloid Company. (See Rocker, George, and Middleton, assignors.)
Du Pont Viscoloid Company. (See Terbune, Leonard B., assignor.)
Dupont, John, Comstock, N. Y. Nonrefillable bottle. 1,873,830; Aug. 23.
Dupree, Edmond G., Richmond Hill, assignor to Boorum & Pease Company, Brooklyn, N. Y. Shifting device for prong binders. 1,843,810; Feb. 2.
Dupree, Edmond G., Richmond Hill, assignor to Boorum & Pease Company, New York, N. Y. Loose leaf binder. 1,878,476; Sept. 20.

Dupuis, Charles A., Montreal, Quebec, Canada. Windshield wiper. 1,849,915; Mar. 15.
Dupuis, David. (See Dupuis, Joseph A. E., assignor.)
Dupuis, Joseph A. E., assignor of one-half to D. Dupuis, St. Jacques, Quebec, Canada. Harvester. 1,891,526. Dec. 20.
Dupuis, Philippe. (See Milette, A., and Dupuis.)
Du Puy, Richard R., assignor to Wright-De Coster, Inc., St. Paul, Minn. Loud-speaker modulating mechanism. 1,875,429; Sept. 6.
Dura Company, The. (See Floraday, Burton S., assignor.)
Dura Company, The. (See Floraday, Burton S., assignor.)
Dura Company, The. (See Floraday, Burton S., assignor.)
Dura Company, The. (See Graff, George, assignor.)
Dura Company, The. (See Miller, Dorr, assignor.)
Dura Company, The. (See Nicholson, Stanley W., assignor.)
Dura Company, The. (See Rettich, Kurt, assignor.)
Durable Mat Company. (See Lyons, Charles T., assignor.)
Durafer (Inc.) (See von Frankenberg, Albrecht, assignor.)
Duralloy Company, The. (See Lawrence, Edward S., assignor.)
Durand, Arthur F., Ravinia, Ill., assignor to Saranac Machine Company, Benton Harbor, Mich. Basket and construction thereof. 1,890,534; Dec. 13.
"Durand & Huguenin S. A." (See Alloth, Manfred, assignor.)
Durand & Huguenin S. A. (See Bodmer, Ernst, assignor.)
Durand & Huguenin S. A. (See Bodmer, E., and Neitzel, assignors.)
Durand & Huguenin S. A. (See Fuchs, Sigismund, assignor.)
"Durand & Huguenin S. A." (See Hug, E., and Werdenberg, assignors.)
Durand & Huguenin, S. A., The Firm. (See Ostertag, Georg, assignor.)
"Durand & Huguenin S. A.", The Firm. (See Werdenberg, Heinrich, assignor.)
Durando, Eugene A., Los Angeles, Calif. Liquid level control. 1,851,422; Mar. 29.
Durant Manufacturing Company. (See Peoples, Robert, assignor.)
Durant, William H., Reading, Mass. Doorstop. 1,876,881; Sept. 13.
Durard & Huguenin S. A. (See Werdenberg, Heinrich, assignor.)
Duratex Corporation. (See Carnegie, David, jr., assignor.)
Durbin, Stanley H., assignor to Gifford-Wood Company, Hudson, N. Y. Ice handling machine. 1,859,501; May 24.
Durbin, Stanley H., assignor to Gifford-Wood Company, Hudson, N. Y. Trolley bucket. 1,867,448; July 12.
Durbin, Vernon, Newton, assignor to Holtzer-Cabot Electric Company, Boston, Mass. Fire alarm system and repeater. 1,870,988; Aug. 9.
Durbin, Votaw S., St. Louis, Mo. Duplex furnace for melting metals. 1,874,628; Sept. 20.
Durbin, Votaw S., St. Louis, Mo. Operating a cupola furnace. 1,888,759; Nov. 22.
Durchholz, Artur, Berlin-Spandau, assignor to Siemens-Bauunion G. m. b. H., Kommanditgesellschaft, Siemensstadt, near Berlin, Germany. Erecting building structures. 1,887,835; Nov. 15.
Durdin, Augustus C., Chicago, Ill. Shaft bearing for pumps. 1,842,081; Jan. 19.
Durdin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Seal for shafts. 1,859,436; May 24.
Durdin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Seal for shafts. 1,862,887; June 14.
Durdin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Seal for shafts. 1,866,551; July 12.
Durdin, Augustus C., jr., Chicago, Ill. Seal for shaft bearings. 1,889,911; Dec. 4.
Durdin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Priming apparatus for pumps. 1,890,317; Dec. 6.
Durdin, Augustus C., jr., Chicago, Ill. Vacuum condensation pump. 1,890,318; Dec. 6.
Durgin, Charles B. (See Warren, T. E., and Durgin.)
Durgin, James R., assignor to New Jersey Optical Company, Newark, N. J. Bridge for spectacles or similar articles. Des. 85,920; Jan. 5.
Durham, Jonas C., Des Moines, Iowa. Floor waxer and polisher. 1,885,997; Nov. 1.
Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
Durham, Percy D., assignor to C. Lee Cook Manufacturing Company, Louisville, Ky. Shaft packing. 1,866,967; July 12.
Durham, Frederick D., Louisville, Ky. Piston rod packing. 1,848,328; Mar. 8.
Durham, Kenneth P., Seattle, Wash. Reversible paper clip. 1,848,999; Mar. 8.
Durium Products Corporation. (See Acheson, A. M., and Ramsey, assignors.)
During, William J., assignor to Precision Castings Company, Inc., Syracuse, N. Y. Die-casting machine. 1,866,191; July 5.
During, William J., Syracuse, N. Y., and N. Lester, Cleveland, Ohio, assignors to Precision Castings Company, Inc., Syracuse, N. Y. Die-casting machine. 1,885,421; Nov. 1.
Duriron Company, The. (See Corson, Michael G., assignor.)
Durium Products Corporation. (See Acheson, Arthur M., assignor.)
Durium Products Corporation. (See Haverlander, Adolf, assignor.)
Durkee, Frederick M. (See Wharton, Edward R., assignor.)
Durkee, Frederick M., Brookline, Mass. Safety razor. 1,845,587; Feb. 16.
Durkee, James D., Washington, D. C. Radio alarm system. 1,872,257; Aug. 16.
Durkee, James D., Washington, D. C. Polarized relay. 1,888,427; Nov. 22.
Durling, Robert S. (See Haas, E. K., and Durling.)
Durmer, Thorstein, Ashland, Mass. Ski harness. 1,845,588; Feb. 16.
Durnell, Harold G., and S. T. Steel, Bartlesville, Okla. Air chamber for well pumping. 1,865,307; June 28.
Durner, Loren, assignor to The Waterbury Tool Company, Waterbury, Conn. Hydraulic speed transmission. 1,867,308; July 12.
Duro Company, The. (See Eisenhauser, Charles P., assignor.)
Duro Metal Products Company. (See Hawkins, Walter L., assignor.)
Duro Metal Products Company. (See Johnson, Colvin L., assignor.)
Duro Metal Products Company. (See McNaught, N. F., and Peterson, assignors.)
Duro Metal Products Company. (See McNaught, Norris F., and Peterson, assignors.)
Duro Metal Products Company. (See Odlum, W. H., and Peterson, assignors.)
Duro Metal Products Company. (See Peterson, E. H., and Odlum, assignors.)
Duross, John, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Paging system. Re18,466; May 17.
Durowood Industries Incorporated of Detroit. (See Frost, Meyrl M., assignor.)
Dürr, Hermann, and W. Schneider, Dessau in Anhalt Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Backing of photographic materials to prevent halation. 1,845,404; Feb. 16.
Dürr, Ludwig, Friedrichshafen, assignor to Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Bodensee, Germany. Supplying fuel to internal combustion engines. 1,877,163; Sept. 13.
Durrant, Thomas H., Stratford, London, assignor to A. Boake, Roberts and Company Limited, London, England. Manufacture of aldols. 1,885,242; Nov. 1.
Durst, August, Freiburg, Germany. Sparking plug controlling device for internal combustion engines. 1,887,014; Nov. 8.
Durst, Ernst, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto-electric ignition apparatus. 1,883,885; Oct. 25.
Duryea, John S., Towanda, Pa. Rolled steel welded paving chock. 1,866,759; July 12.
Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,858,730; May 17.
Duryea, William C., Princeton, N. J. Prime mover. 1,885,323; Nov. 1.
Dusenbury, William H. (See Jackson, W. H., and Dusenbury.)
Dusevoir, Julius, Oakland, assignor to Motive Devices, Inc., San Francisco, Calif. Carburetor. 1,875,713; Sept. 6.
Dutton, Ernest W., Salem, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Collapsible spool or block. 1,870,243; Aug. 9.
Dutcher, Frank, Rogers, Ohio. Railway signal torpedo. 1,843,215; Feb. 2.
Dutcher, Frank, Rogers, Ohio. Railway signal torpedo. 1,843,811; Feb. 2.
Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
Dutble, William E., Indianapolis, Ind. Portable cigar lighter. 1,852,771; Apr. 5.
Dutoit, Paul, Lausanne, Switzerland. Preparation of pentasulphide of phosphorus. 1,852,959; Apr. 5.
Dutton, Paul, Lausanne, Switzerland, assignor to Societe Miniere & Metallurgique de Penarroya, Paris, France. Process for the manufacture of purified zinc sulphate solutions. 1,854,787; Apr. 19.
Dutt, Roller E., Tiffin, Ohio. Stirring machine. 1,862,590; June 14.
Dutton, Arthur, assignor to Photoline Limited, Liverpool, England. Production of photographic transparencies for printing. 1,850,003; Mar. 15.
Dutton, Chauncey A., Shaker Heights Village, assignor, by mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio. Furnace. 1,889,955; Dec. 6.
Dutton, Chauncey A., Shaker Heights Village, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Enameling furnace. 1,891,919; Dec. 27.
Dutton, Harold E., Landsdowne, assignor to Dutton-Nelson, Incorporated, Philadelphia, Pa. Sectional boiler. 1,849,225; Mar. 15.
Dutton-Nelson, Incorporated. (See Dutton, Harold E., assignor.)

Dutton, Percy C., Nutley, N. J., and E. Hazell, New York, N. Y., assignors to Morgan & Wright, Detroit, Mich. Mandrel joint. 1,849,916; Mar. 15.
Dutton, Percy C., Nutley, N. J., and E. Hazell, New York, N. Y., assignors to Morgan & Wright, Detroit, Mich. Mandrel joint. 1,880,376; Oct. 4.
Dutton, Thomas D., Chevy Chase Gardens, Md., assignor to American Telephone and Telegraph Company. Transmission regulator system. 1,849,141; Mar. 15.
Duttweiler, Albert M., Cambridge, Ind. Heating device. 1,840,838; Jan. 12.
Duty, Spencer E., Cleveland Heights, Ohio. Process of and apparatus for forming face brick. 1,888,376; Nov. 22.
Dützmann, Wilhelm, Neustadt, Germany. Horizontal alkali-cellulose press. 1,863,399; June 14.
Duval, Maurice, Montsecret, France. Molding apparatus. 1,877,212; Sept. 6.
Duvall, George M., and J. L. Israelson, assignors, by mesne assignments, to Stevens Waldon Inc., Worcester, Mass. Multiple compartment box. 1,880,332; Oct. 18.
Duvall, Harold A. (See Moyen, J. G., Maechtlen, and Duvall.)
Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Folding davenport or bed. 1,858,542; May 17.
Duvall, William J., assignor to Smith and Davis Mfg. Co., St. Louis, Mo. Folding davenport bed. 1,858,543; May 17.
Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Hospital bed. 1,862,820; June 14.
Duvenedi, Carl P., et al. (See Lorentowicz, H. R., and Thompson, assignors.)
Du Vernet, Frederick H., Hamilton, Ontario, Canada. Pump rod coupling systems. 1,857,752; Nov. 15.
Duwe, Friedrich, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Sluicegate for water. 1,847,933; Mar. 1.
Duwe, Friedrich, Mainz-Kastel, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Actuating device for lever-drawbridges. 1,865,621; July 5.
Duwelius, Walter S., assignor to M. E. Forchheimer, Cincinnati, Ohio. Deodorant container for toilet bowls. 1,880,912; Oct. 4.
Dvorak, John F., Prince George, Va. Peanut digger. 1,843,478; Feb. 2.
Dvorak, Joseph J., Chicago, Ill. Pocketbook. 1,862,665; June 14.
Dwight, M. H. Jackson. (See Jackson, Marshall H. and W., assignors.)
Dwotsky, Bernard, assignor of two-thirds to B. E. Horton and B. W. Horton, Syracuse, N. Y. Vise. 1,854,891; Apr. 19.
Dwork, Joseph H., Newark, N. J. Combined mop and brush. 1,840,189; Jan. 5.
Dwyer, Frank P., Philadelphia, Pa. Athletic trousers. Des. 86,113; Feb. 2.
Dwyer, Frank P., Philadelphia, Pa. Athletic trousers. Des. 86,114; Feb. 2.
Dwyer, Frank P., Philadelphia, Pa. Suspensory and the like. 1,840,621; Jan. 12.
Dwyer, James E., assignor to E. Frederics, Inc., New York, N. Y. Scalp protector. 1,880,913; Oct. 4.
Dwyer, Lawrence F. (See Rivard, Lionel I., assignor.)
Dwyer, Lawrence P. (See Dunham, C. A., Company, assignee.)
Dwyer, Lawrence P., Winnetka, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Cabinet type unit heater. 1,874,940; Aug. 30.
Dwyer, William C. (See Johnson, A. E. W., and Dwyer.)
Dwyer, William L. (See Grisbaum, L. D., Dwyer, and Pearce.)
Dwyer, William P., et al. (See Benchley, William W., assignor.)
D'Yarmett, Edward C., assignor to The Fractionator Company, Kansas City, Mo. Apparatus for heat treating liquids. 1,844,643; Feb. 9.
D'Yarmett, Edward C., assignor to The Fractionator Company, Kansas City, Mo. Apparatus for heat treating liquids. 1,870,445; Aug. 9.
D'Yarmett, Edward C., assignor to The Fractionator Company, Kansas City, Mo. Fractionating tower. 1,888,872; Nov. 22.
Dyck, Herbert F., Ness City, Kans. Measuring bottle. 1,840,190; Jan. 5.
Dyckerhoff, Adolf, Cologne-on-the-Rhine, Germany. Lock nut. 1,885,694; Nov. 1.
Dyckerhoff, Adolph H., Chicago, Ill., assignor to The Stacey Bros. Gas Construction Company, St. Bernard, Ohio. Waterless gas holder. 1,880,914; Oct. 4.
Dye, Glen M., Minneapolis, Minn. Method and apparatus for drawing metal. 1,858,888; May 17.
Dye, Glen M., Minneapolis, Minn. Film developing and progressing machine. 1,863,689; June 21.
Dye, Glen M., Minneapolis, Minn. Photographic print treating method and apparatus. 1,865,682; July 5.
Dye, Glen M., Minneapolis, Minn. Photographic print glazing machine. 1,876,046; Sept. 6.
Dye, Harry W. (See Tower, M. L., Dye, and McDonough.)
Dyer, Frank L., New York, N. Y. Exercising apparatus. 1,891,347; Dec. 20.
Dyer, Harold I., Detroit, Mich., assignor to Wilcox-Rich Corporation. Valve grinding means. 1,880,377; Oct. 4.
Dyer, Harry W., New York, N. Y. Refrigerating apparatus. 1,846,190; Feb. 23.
Dyer, Horace T. (See Leask, J. F., and Dyer.)
Dyer, Horace T., Greenwich, Conn. Gas carburetor. 1,888,074; Nov. 15.
Dyer, James D., Kansas City, Mo. Screen hanger mechanism. 1,840,888; Jan. 12.
Dyer, James D., Kansas City, Mo. Automobile windshield and corner post construction. 1,875,227; Aug. 30.
Dyer, James E., assignor to E. D. Caram, doing business as Bay-Caram Co., Los Angeles, Calif. Shoe sole. Des. 87,628; Aug. 30.
Dyer, James J., Mount Lebanon Township, Allegheny County, Pa. Road making. 1,849,421; Mar. 15.
Dyer, John B. (See Wood, H. H., Dyer, and Kelly.)
Dyer, John B., Pendleton, assignor to Delco-Remy Corporation, Anderson, Ind. Suction cleaner. 1,880,915; Oct. 4.
Dyer, John B., and J. W. Lawson, Anderson, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,871,966; Aug. 16.
Dyer, Joseph, Atlantic Beach, N. Y. Making printing surfaces. 1,859,620; May 24.
Dyer, Joseph G., and H. Muller, Parkerton, Wyo. Pump plunger. 1,840,493; Jan. 12.
Dyer, Rex B., Independence, Mo. Pipe making machine. 1,858,845; July 19.
Dygert, Howard E., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container. 1,846,322; Feb. 23.
Dyhrberg, Lauritz N., Allenton, New Zealand. Brick-handling means. 1,876,211; Sept. 6.
Dykema, Tunis J., Pittsburgh, Pa. Bottle closure and liquid dropper. 1,843,812; Feb. 2.
Dykeman, Harry E., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine for inserting elastic bands in stitched articles. 1,857,046; May 3.
Dykeman, Harry E., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,883,633; Oct. 18.
Dykeman, Reuben G., Dayton, and D. W. Watkins, Fairfield, Ohio, assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil temperature regulator. 1,864,652; June 21.
Dykes, Bryan D., Milburn, assignor of one-half to H. E. Watkins, Summit, N. J., deceased; Chatham Phenix National Bank & Trust Company, executor. Electrical terminal and terminal connection. 1,844,916; Feb. 9.
Dykstethuis, Popko Jan, Eindhoven, Netherlands, assignor to Radio Corporation of America. Circuit arrangement for thermionic amplifying tubes coupled by transformers. 1,876,645; Sept. 13.
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of vinyl acetate. 1,849,616; Mar. 15.
Dykstra, Harry B., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company. Chlorination of meta styrene. 1,890,772; Dec. 13.
Dykstra, James. (See McCuen, C. L., Dykstra, Smith, and Wolfram.)
Dykstra, James, Lansing, assignor to General Motors Corporation, Detroit, Mich. Cushion shackle. 1,861,051; May 31.
Dykstra, Rudolph J. (See Darling, W. V., jr., and Dykstra.)
Dym, Emanuel, Pittsburgh, assignor to Porcelier Manufacturing Company, Greensburg, Pa. Container for cooling and dispensing water or beverages. Des. 87,741; Sept. 13.
Dyment, Albert E., et al., trustees. (See Jackson, Mansell B., assignor.)
Dymock, Raymond, Hamburg, N. J., assignor of one-half to C. J. Mehler, Sharon, Pa. Dust cap and quick adjustable nut. 1,864,744; June 7.
Dyresen, Didrick. (See Avedon, William C., assignor.)
Dysart, Estill R., Kansas City, Mo. Stabilizing river control structures. 1,841,594; Jan. 19.
Dzaman, Gabriel, Trenton, N. J. Wood surfacing machine. 1,867,501; July 12.
Dziedzic, Nickolas J. (See McKee, H. H., and Dziedzic.)
Dziedzic, Nicholas J., assignor to Swift and Company, Chicago, Ill. Meat press. 1,866,510; July 5.
Dziedzic, Nickolas J., assignor to Swift and Company, Chicago, Ill. Food press. 1,890,458; Dec. 13.
E. A. Laboratories, Inc. (See Aufiero, John M., assignor.)
E. & L. Company. (See Erickson, David, assignor.)
E. and T. Fairbanks and Company. (See Handley, Harlan A., assignor.)
E-Z Reach Paper Cutter Corporation. (See McClintock, James W., assignor.)
Eagan, Joe, Hillsboro, assignor of one-half to O. E. Bass, Bynum, Tex. Valve holder and lifter. 1,843,022; Jan. 26.
Eagan, John S., Providence, R. I. Oil burner lighter. 1,858,395; May 17.
Eagan, Leonard W. (See Von Gartzen, Joseph H., assignor.)
Eagle Chemical Company. (See Jones, William E., assignor.)
Eagle Lock Co. (See Murphy, James J., assignor.)

Eagle Machine Company. (See Yount, Horace J., assignor.)
Eagle Machine Company, Incorporated. (See Yount, Horace J., assignor.)
Eagle Nailing Machine Co. Ltd. (See Sullivan, Albert V., assignor.)
Eagle Pencil Company. (See Baumgard, George, assignor.)
Eagle Pencil Company. (See Boman, Claes W., assignor.)
Eagle Pencil Company. (See Chesler, Isidor, assignor.)
Eagle Pencil Company. (See Feiser, Leonard C., assignor.)
Eagle Pencil Company. (See González, Narciso, assignor.)
Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
Eagle Pencil Company. (See Kaiser, Charles, assignor.)
Eagle Pencil Company. (See Kaiser, Charles, sr., assignor.)
Eagle Pencil Company. (See Peters, Mark W., assignor.)
Eagle-Picher Lead Company, The. (See Brett, Roy C., assignor.)
Eagle-Picher Lead Company, The. (See Brett, R. C., and Doyle, assignors.)
Eagle-Picher Lead Company, The. (See Coates, Frederick, assignor.)
Eagle Woodenware Manufacturing Company, The. (See Fritsch, Frank M., assignor.)
Eaglesfield, Frederick R., assignor to The Kawneer Company, Niles, Mich. Sheet support. 1,872,429 ; Aug. 16.
Eaglesfield, Robert D., Indianapolis, Ind., assignor, by mesne assignments, to Union Sandpaper Company, Boston, Mass. Sanding machine. 1,847,399 ; Mar. 1.
Eagleshaw, John, Dennistoun, Glasgow, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Oscillating shuttle mechanism for sewing machines. 1,868,636 ; Feb. 16.
Eaker, Mae G., Buffalo, N. Y. Sleeping robe or blanket. 1,859,820 ; May 24.
Eakin, Lewis O., Burdett, Kans. Grain lifting device. 1,847,072 ; Mar. 1.
Eakin, Volando B., Grass Valley, Oreg. Draft equalizer. 1,871,650 ; Sept. 13.
Eakin, Willard D., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making hose. 1,886,658 ; Nov. 8.
Eakins, Herbert W., Springfield, Ohio. Store front. Des. 86,305 ; Feb. 23.
Eakins, Herbert W., Springfield, Ohio. Machine for making confections. Des. 87,251 ; June 28.
Eakins, Herbert W., Springfield, Ohio. Pop-corn machine. 1,867,940 ; July 19.
Eakins, Herbert W., Springfield, Ohio. Machine for making popcorn confections. 1,879,927 ; Sept. 27.
Eakins, Herbert W., Springfield, Ohio. Machine and method for making pop corn confections. 1,879,928 ; Sept. 27.
Eakins, Isaiah A., Pleasanton, Tex., assignor to General American Car Corporation, Chicago, Ill. Reversible display device. 1,860,021 ; May 24.
Eames, George M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming mechanism for sewing machines. 1,840,571 ; Jan. 12.
Eames, William F. (See Bouton, E. M., and Eames.)
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,848,873 ; Mar. 8.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuitous elevator. 1,857,118 ; May 3.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Amplifying system. 1,858,267 ; May 17.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,872,915 ; Aug. 23.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,882,787 ; Oct. 18.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,882,788 ; Oct. 18.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,882,789 ; Oct. 18.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,883,886 ; Oct. 25.
Eames, William F., Wilkinsburg Pa., assignor to Westinghouse Electric & Manufacturing Company. Direct current time-element accelerating relay. 1,851,757 ; Mar. 29.
Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator gate system. 1,870,772 ; Aug. 9.
Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Double-coil inductor relay. 1,870,840 ; Aug. 9.
Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,872,128 ; Aug. 16.
Earhart, Charles T., Pittsburgh, Pa. Framing table. 1,874,175 ; Aug. 30.
Earhuff, J. A., et al. (See Ross, Charles G., assignor.)
Earl, David G., Long Beach, Calif. Porthole closure latch. 1,857,184 ; May 10.
Earl, Harley J., assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 1,869,501 ; Aug. 2.
Earle, George C., et al. (See Brand, John J. F., assignor.)
Earle, Theodore, Denver, Colo. Milling machine. 1,881,230 ; Oct. 4.
Earley, Charles A., Dorchester, Mass. Cap for flashing. 1,868,888 ; July 26.
Early, John F., Clarksburg, W. Va., assignor to The Akro Agate Company, Akron, Ohio. Machine for manufacturing spherical bodies. 1,880,916 ; Oct. 4.
Early, Joseph W. (See Willdt, Edward A., assignor.)
Earman, George H., Harrisonburg, assignor to Nathaniel H. Keezell, trustee, Keezletown, Va. Removing objectionable odors and flavors from milk. 1,846,478 ; Feb. 23.
Earnest, Harry A., Lancaster, Pa. Terminal lock for flexible tubing. 1,841,318 ; Jan. 12.
Earnest, Harry A., Lancaster, Pa. Locking device for couplings. 1,841,319 ; Jan. 12.
Earnshaw, Arthur R., Wynnewood, Pa. Hosiery. 1,866,292 ; Jan. 26.
Earnshaw, Arthur R., Wynnewood, Pa. Refrigeration. 1,876,212 ; Sept. 6.
Earnshaw, David F. (See Grimditch, W. H., and Earnshaw.)
Earnshaw, George F., assignor to Earnshaw Knitting Company, Newton, Mass., Play-suit. 1,852,983 ; Apr. 5.
Earnshaw-Knitting Company. (See Earnshaw, George F., assignor.)
Earp, Jebus R. (See Anderson, T. O., and Earp.)
Easley, Curran S., assignor to Trulime, Inc., Lagrange, Ga. Self moistenng smoothing iron. 1,869,675 ; Aug. 2.
Easley, John W. (See Lucka, L. O., and Easley.)
Eason, Clarence M., assignor to Fewick Manufacturing Company, Waukesha, Wis. Friction clutch. 1,858,004 ; May 10.
Eason, Ernest L., jr., Whittier, Calif. Self-cleaning slush pump valve. 1,873,318 ; Aug. 23.
East, William H., H. and W. H. Zent, assignors to B. E. G. Z. Company, Inc., Indianapolis, Ind. Cultivator sweep. 1,872,623 ; Aug. 16.
Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing puller. 1,842,155 ; Jan. 19.
Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck frame construction. 1,864,508 ; June 21.
Easter, George C., assignor, by mesne assignments, to The Vulcan Steel Products Company, Baltimore, Md. Nut. 1,852,203 ; Apr. 5.
Easter, George J. (See Benner, R. C., Easter, and Hawke.)
Easterday, Homer, assignor, by mesne assignments, to Point-O-Purchase Company, Kansas City, Mo. Chair. Des. 86,879 ; May 3.
Easterling, Elbert W. (See Kilbourn, J. L., and Easterling.)
Eastern Cabinet Company. (See Hutton, Sam B., assignor.)
Eastern Finishing Works. (See Adams, William H., assignor.)
Eastern Laboratories, Inc. (See Kelley, John E., assignor.)
Eastern Mach. Screw Corporation, The. (See Smith, George M., assignor.)
Eastern Machine Screw Corporation, The. (See Williamson, Edwin O., assignor.)
Eastern Manufacturing Company. (See Blodgett, Charles A., assignor.)
Eastern Manufacturing Company. (See Hanson, H. H., and Seaman, assignors.)
Eastern Shore Trust Company et al, administrator. (See Conroy, Oliver C.)
Eastern Tool & Manufacturing Co. (See Anderson, Carl E., assignor.)
Eastern Tool & Mfg. Co. (See Anderson, Carl E., and Peterson, assignors.)
Eastern Tool & Mfg. Co. (See Dreyfuss, Joseph, assignor.)
Eastern Tool & Mfg. Co. (See Falstrom, Henry W., assignor.)
Eastern Tool & Mfg. Co. (See Kastner, Ernest C., assignor.)
Easterwood, Henry W. (See Waggaman, W. H., and Easterwood.)
Easthampton Rubber Thread Co. (See Shaw, Kenneth R., assignor.)
Easthope, Ernest, Everett, Wash. Boat and operating the same. 1,868,054 ; July 19.
Eastlake, William H., Mount Royal, Quebec, Canada, assignor to Western Electric Company, Incorporated. Method of and apparatus for testing coating materials. 1,880,917 ; Oct. 4.
Eastman, Floyd K., assignor to Concealed Door Check Co., Kokomo, Ind. Doorcheck. Re18,397 ; Mar. 29.
Eastman, Floyd K., assignor to Concealed Door Check Company, Kokomo, Ind. Doorcheck. 1,850,229 ; Mar. 22.
Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-in-serting machine. 1,847,300 ; Mar. 1.

Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,847,625; Mar. 1.

Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,856,130; May 3.

Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,882,067; Oct. 11.

Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Retaining mechanism. 1,882,068; Oct. 11.

Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,889,194; Nov. 29.

Eastman, Harold L., assignor to Hartford-Empire Company, Hartford, Conn. Bar splice for woven-wire fabrics. 1,849,035; Mar. 8.

Eastman, Joseph H., Oakland, and F. A. Todhunter, Palo Alto, Calif., assignors to Standard Stations, Inc., San Francisco, Calif. Display figure. Des. 86,447; Mar. 8.

Eastman, Joseph P., assignor to Eastman Mfg. Co., Manitowoc, Wis. Attachment plug. 1,867,065; July 12.

Eastman Kodak Company. (See Allen, Charles E., assignor.)

Eastman Kodak Company. (See Altman, Fred E., assignor.)

Eastman Kodak Company. (See Brooker, Leslie G. C., assignor.)

Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)

Eastman Kodak Company. (See Burroughs, Robert E., assignor.)

Eastman Kodak Company. (See Capstaff, John G., assignor.)

Eastman Kodak Company. (See Carroll, Stewart J., assignor.)

Eastman Kodak Company. (See Carroll, S. J., and Smith, assignors.)

Eastman Kodak Company. (See Churchill, Robert L., assignor.)

Eastman Kodak Company. (See Clarke, H. T., and Malm, assignors.)

Eastman Kodak Company. (See Clarke, H. T., and Ordmer, assignors.)

Eastman Kodak Company. (See Clement, Louis E., assignor.)

Eastman Kodak Company. (See Darling, Frederick E., assignor.)

Eastman Kodak Company. (See Eberlin, Leon W., assignor.)

Eastman Kodak Company. (See Favour, Paul, assignor.)

Eastman Kodak Company. (See Fritts, Edwin C., assignor.)

Eastman Kodak Company. (See Fuerst, Carl C., assignor.)

Eastman Kodak Company. (See Fuerst, C. C., and Christie, assignors.)

Eastman Kodak Company. (See Garbutt, F. E., and Ingman.)

Eastman Kodak Company. (See Gray, H. L., and Staud, assignors.)

Eastman Kodak Company. (See Gray, H. I. B., Staub, and Webber, assignors.)

Eastman Kodak Company. (See Green, Newton B., assignor.)

Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)

Eastman Kodak Company. (See Hickman, K. C. D., Sanford, and Weyerts, assignors.)

Eastman Kodak Company. (See Hickman, K. C. D., and Staib, assignors.)

Eastman Kodak Company. (See Hickman, K. C. D., and Weyerts, assignors.)

Eastman Kodak Company. (See Hopkins, Roy S., assignor.)

Eastman Kodak Company. (See Jones, John C., assignor.)

Eastman Kodak Company. (See Jones, Loyd A., assignor.)

Eastman Kodak Company. (See Lambert, Raymond H., assignor.)

Eastman Kodak Company. (See Lane, Geroukl T., assignor.)

Eastman Kodak Company. (See Littlefield, Laurence T., assignor.)

Eastman Kodak Company. (See Malm, Carl J., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Andersen, assignors.)

Eastman Kodak Company. (See Marshall, Walter D., assignor.)

Eastman Kodak Company. (See Mees, Charles E. K., assignor.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Muehler, Lowell E.)

Eastman Kodak Company. (See Murray, Alexander, assignor.)

Eastman Kodak Company. (See Murray, T. F., jr., and Staud, assignors.)

Eastman Kodak Company. (See Nelson, Walter C., assignor.)

Eastman Kodak Company. (See Noller, Carl R., assignor.)

Eastman Kodak Company. (See Othmer, Donald F., assignor.)

Eastman Kodak Company. (See Philips, Harlow D., assignor.)

Eastman Kodak Company. (See Riddell, William A., assignor.)

Eastman Kodak Company. (See Ross, Oscar A., assignor.)

Eastman Kodak Company. (See Sandvik, Otto, assignor.)

Eastman Kodak Company. (See Shannon, Albert A., assignor.)

Eastman Kodak Company. (See Sheppard, Samuel E., assignor.)

Eastman Kodak Company. (See Sheppard, S. E., and Dietz, assignors.)

Eastman Kodak Company. (See Sheppard, S. E., and Eberlin, assignors.)

Eastman Kodak Company. (See Smith, Henry B., assignor.)

Eastman Kodak Company. (See Staud, Cyril J., assignor.)

Eastman Kodak Company. (See Staud, C. J., and Fuess, assignors.)

Eastman Kodak Company. (See Staud, C. J., and Gray, assignors.)

Eastman Kodak Company. (See Staud, C. J., and McLean, assignors.)

Eastman Kodak Company. (See Staud, C. J., and Waring, assignors.)

Eastman Kodak Company. (See Staud, C. J., and Webber, assignors.)

Eastman Kodak Company. (See Stephenson, Paul A., assignor.)

Eastman Kodak Company. (See Stone, Herbert G., assignor.)

Eastman Kodak Company. (See Stuber, William G., assignor.)

Eastman Kodak Company. (See Sulzer, Albert F., assignor.)

Eastman Kodak Company. (See Titus, Robert N., assignor.)

Eastman Kodak Company. (See Tuttle, Fordyce, assignor.)

Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)

Eastman Kodak Company. (See Von Bramer, Harold, assignor.)

Eastman Kodak Company. (See Von Bramer, H., and Zabriskie, assignors.)

Eastman Kodak Company. (See Webb, W. R., and Clarke, assignors.)

Eastman Kodak Company. (See Webber, C. S., Staud, and Gray, assignors.)

Eastman Kodak Company. (See Webber, C. and Staud, assignors.)

Eastman Kodak Company. (See Webber, C. S., and Staud, assignors.)

Eastman Kodak Company. (See Wellman Howard C., assignor.)

Eastman Kodak Company. (See Wells, Jackson B., assignor.)

Eastman Kodak Company. (See Wells, J. B., and Wynd, assignors.)

Eastman Kodak Company. (See Wittel, Otto, assignor.)

Eastman Kodak Company. (See Wood, Donald L., assignor.)

Eastman Kodak Company. (See Wynd, C. L. A., and Wynd, assignors.)

Eastman, Louis R., assignor to Frederic B. Stevens, Inc., Detroit, Mich. Mold and unloading device for same. 1,852,703; Apr. 5.

Eastman Mfg. Co. (See Eastman, Joseph P., assignor.)

Eastman Manufacturing Company. (See Eisenman, Arthur A., assignor.)

Easton, George, Cleveland, Ohio, assignor to May C. Eaton, Baltimore, Md. Combined socket and snap switch. 1,846,799; Feb. 23.

Easton, Lucian F., La Crosse, Wis. Dual purpose pumping apparatus. 1,867,813; July 19.

Easton, Lucian F., La Crosse, Wis. Dual purpose pumping apparatus. 1,885,634; Oct. 18.

East Rutherford Syringe Co. (See Krueger, Nicholas, assignor.)

Eastwood, Benjamin. (See Bogdanffy, George W., assignor.)

Eastwood Wire Corporation. (See Webb, Nelson W., assignor.)

Easy Drive Garage Corp. (See Le Quornik, H., and Salvati, assignors.)

Easy Washing Machine Corporation. (See Nelson, Jabez C., assignor.)

Easy Washing Machine Corporation. (See Scheele, Charles C., assignor.)

Eaton Axle & Spring Company, The. (See Reid, James S., assignor.)

Eaton, David C. (See Anthony, Emery P., assignor.)

Eaton, Frederick M., Palo Alto, assignor to Rosenberg Bros. & Co., San Francisco, Calif. Fruit pressing machine. 1,865,846; July 5.

Eaton, George, assignor to M. C. Eaton, Cleveland, Ohio. Door check. 1,879,664; Sept. 27.

Eaton, George M., Pittsburgh, Pa. Cambered spring. 1,881,385; Oct. 4.

Eaton, George R., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Power supply circuit. 1,844,502; Feb. 9.
Eaton, George R., Oak Park, and E. R. Heath, Maywood, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,850,096; Mar. 22.
Eaton, Harrison H. (See Schneider, W. G., and Eaton, assignors.)
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Winding machine. 1,843,149; Feb. 2.
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Machine for removing armature insulation. 1,860,310; May 24.
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Automatic armature winding machine. 1,890,111; Dec. 6.
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Coil retaining means. 1,891,200; Dec. 13.
Eaton, Horace M., Swampscott, assignor to Excel Taping Machine Co., Lynn, Mass. Taping machine. 1,859,868; Dec. 8.
Eaton, Joseph, Richmond, L. W. Dickey, and E. Field, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Mixer. 1,846,027; Feb. 23.
Eaton, Lucien, et al. (See Corner, Douglas C., assignor.)
Eaton Manufacturing Company. (See Heinauer, William J., assignor.)
Eaton Manufacturing Company. (See Machonis, Peter J., assignor.)
Eaton Manufacturing Company, The. (See Peck, Lionel S., assignor.)
Eaton Manufacturing Company. (See Reid, James S., assignor.)
Eaton Manufacturing Company, The. (See Shertzer, Leavitt A., assignor.)
Eaton Manufacturing Company. (See Snell, Lyle K., assignor.)
Eaton Manufacturing Company, The. (See Veale, George W., assignor.)
Eaton Manufacturing Company, The. (See Zarobsky, Charles A., assignor.)
Eaton, Maurice, Edgbaston, Birmingham, England, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for use in the manufacture of molded articles from synthetic resins and other moldable materials. 1,846,899; Feb. 23.
Eaton, May C. (See Eaton, George, assignor.)
Eaton Radio Instrument Corporation. (See Eaton, Warren S., assignor.)
Eaton, Reginald O., Wesleyville, Pa., assignor to General Electric Company. Electrical connecting device. 1,861,920; Dec. 20.
Eaton, T., Company, The. (See Maw, Samuel H., assignor.)
Eaton, Warren S., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Commutator construction. 1,842,340; Jan. 19.
Eaton, Warren S., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Apparatus for converting or transforming electrical energy. 1,842,341; Jan. 19.
Eaton, Warren S., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Radiodynamic orientation means and method. 1,842,342; Jan. 19.
Eaton, Warren S., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Method and apparatus for indicating direction. 1,842,343; Jan. 19.
Eaton, Warren S., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Device for measuring electrical energy. 1,842,344; Jan. 19.
Eaton, Warren S., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Radio operated direction indicator. 1,842,345; Jan. 19.
Eaton, Warren S., Los Angeles, Calif., assignor to Eaton Radio Instrument Corporation. Method and apparatus for radio operated steering. 1,842,346; Jan. 19.
Eaton, Warren S., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Method and apparatus for determining direction. 1,842,347; Jan. 19.
Eaton, Warren S., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Radio instrument for determining elevation. 1,854,122; Apr. 12.
Eaton, Wilfred A., Edgewood, Pa. Air spring. 1,869,676; Aug. 2.
Eaton, Wilfred A., Cleveland, Ohio. Fluid actuated brake. 1,876,882; Sept. 13.
Eaton, William E., Port Harbor, N. Y. Engraving machine. 1,848,465; Mar. 8.
Eaton, Wyman and E. J. Westcott, assignors to Freyn Engineering Company, Chicago, Ill. Hot blast stove. 1,845,253; Feb. 16.
Ebann, Ferdinand, Evanston, Ill. Internal combustion engine. 1,851,303; Mar. 29.
Ebbets, George D., Kenilworth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler. 1,883,635; Oct. 18.
Ebe, Samuel R. (See Crowell, R. B., and Ebe.)
Ebel, Peter. (See Aarskog A., Svendsen, and Ebel.)
Ebeling, Charles W., assignor to Phonodisc Corporation, New York, N. Y. Friction clutch for sound reproducing machines. 1,839,302; Jan. 5.
Ebeling, Charles W., assignor to General Talking Pictures Corporation, New York, N. Y. Switching apparatus. 1,856,092; May 3.
Ebeling, Charles W., assignor to General Talking Pictures Corporation, New York, N. Y. Motion picture screen. 1,860,323; May 24.
Ebeling, Charles W., assignor to General Talking Pictures Corporation, New York, N. Y. Sound head for sound-on-film mechanism. 1,866,528; July 12.
Ebeling, Hermann. (See Stein, Fritz, assignor.)
Ebener, Fritz. (See Lang, R. A., and Ebener.)
Eberhard, Ernst, Oerlikon, near Zurich, Switzerland. Device for rinsing and applying a suction action to washing. 1,859,195; July 5.
Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tank support on motor vehicles. 1,860,531; May 31.
Eberhard, Heinrich, Berlin-Lichterfelde, Germany. Quartz oscillator for controlling transmitter valves and oscillation generators. 1,839,035; Jan. 5.
Eberhard Manufacturing Company, The. (See Reynolds, Charles F., assignor.)
Eberhardt, Friedrich, Youngstown, Ohio. Cigarette roller. 1,856,949; May 3.
Eberhardt, Walter. (See Herschede, W. J., Eberhardt, and Heilmuth.)
Eberlein, Edwin S., assignor of one-half to W. J. Clapper, Pittsburgh, Pa. Stair for railroad coaches and the like. 1,864,053; June 21.
Eberlein, George H., Concord, assignor to Stowe & Woodward Company, Newton Upper Falls, Mass. Roller for fine slug machines. 1,887,625; Nov. 15.
Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)
Eberlin, Leon W., assignor to Eastman Kodak Company, Rochester, N. Y. Ultra-violet sensitive paper. 1,870,684; Sept. 20.
Ebersol, Charles E., Lansing, Mich. Gas burner and flame guard. 1,845,589; Feb. 16.
Eberson, George S., Buzzards Bay, assignor to Wrightsville Hardware Co., Wrightsville, Pa. Cherry stoner. 1,869,095; July 26.
Eberspacher, Otto, Angleton, Tex. Automatic control valve. 1,878,270; Sept. 20.
Ebert, Charles, Leonia, N. J., W. B. Newkirk, Riverside, Ill., and M. Moskowitz, Spring Valley, N. Y., assignors to International Patents Development Company, Wilmington, Del. Purifying sugar solutions. 1,889,779; Dec. 6.
Ebert, Fritz, Oberndorf-on-the-Neckar, Germany. Device in sack sewing machines for separating the warp between the sacks. 1,865,893; July 5.
Ebert, Georg, F. A. Fries, and P. Garbsch, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of diolefines. 1,880,918; Oct. 4.
Ebert, Heinrich. (See Seewald, F., and Ebert.)
Ebihara, Keikichi. (See Okochi, M., and Ebihara.)
Ebinger, D. A., Sanitary Mfg. Company, The. (See Ebinger, David H., assignor.)
Ebinger, David H., assignor to The D. A. Ebinger Sanitary Mfg. Company, Columbus, Ohio. Waste pipe fitting. 1,859,821; May 24.
Eble, Grover S., Whitestone, N. Y. Valve. 1,860,497; May 31.
Ebling, Walter E., New York, assignor to E. P. Reed & Company, Rochester, N. Y. Shoe. Des. 88,636; Dec. 13.
Ebner, George W., New Bedford, Mass. Candle holder. Des. 86,256; Mar. 1.
Ebner, George W., New Bedford, Mass. Candle holder. Des. 86,359; Mar. 1.
Eburne, Robert, Somerville, and R. Wirth, Everett, assignors to The Housh Co., Inc., Boston, Mass. Easel. 1,840,659; Jan. 12.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Terminal for oil filled cables and evacuating the same. 1,888,075; Nov. 15.
Eby Manufacturing Company. (See Dunn, Guy A., assignor.)
Ecabert, Walter L., assignor to Baker Ice Machine Co., Inc., Omaha, Nebr. Refrigeration unit. 1,840,940; Jan. 12.
Eccles, William H., London, and A. Whitaker, West Drayton, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Controlling light. 1,879,138; Sept. 27.
Eccleston, Robert C., and I. S. Nippes, Ridgway, assignors to Elliott Company, Pittsburgh, Pa. Automatic rotary converter and starting the same. 1,892,041; Dec. 27.
Echols, Luther H., Lexington, Ky. Eyeglass lens fastening. 1,890,725; Dec. 13.
Eckels Engineering Corporation, The. (See Eckels, Parl O., assignor.)
Eckels, Parl O., Cleveland, Ohio. Combination cigarette dispenser and ash tray. 1,864,811; June 28.

Eckels, Parl O., assignor, to Eckels Engineering Corporation, Cleveland, Ohio. Pump or compressor. 1,860,278; May 24.
Eckels, Parl O., assignor to The Eckels Engineering Corporation, Cleveland, Ohio. Swash plate. 1,877,285; Sept. 13.
Ecker, Will J., jr., St. Louis, Mo. Cardcase and manufacture. 1,869,803; Aug. 2.
Ecker, Will J., jr., St. Louis, Mo. Card case. 1,877,565; Sept. 13.
Eckersley, Thomas L., Danbury, England, assignor to Radio Corporation of America. Aerial system for wireless signaling. 1,874,941; Aug. 30.
Eckert, Arthur C., St. Louis, Mo. Talking machine and record therefor. 1,853,895; Apr. 12.
Eckert, Arthur C., St. Louis, Mo. Talking machine and record therefor. 1,853,966; Apr. 12.
Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Shingle roof. Des. 87,104; June 7.
Eckert, Clarence R., Highwood, N. J., assignor to The Barrett Company. Forming thick butt shingles. 1,842,448; Jan. 26.
Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company. Composition of matter. 1,849,867; Mar. 15.
Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Pipe coating apparatus. 1,870,841; Aug. 9.
Eckert, Fritz, Berlin, Germany, assignor of one-fourth to W. A. Morton, one-fourth to L. Geer, Pittsburgh, Pa., and one-fourth to C. G. Hilgenberg, Baltimore, Md. Apparatus for feeding glass. 1,845,491; Feb. 16.
Eckert, Fritz, Berlin, Germany, assignor of one-fourth to W. A. Morton and one-fourth to P. L. Geer, Pittsburgh, Pa. Method of and apparatus for producing sheet glass. 1,870,002; Aug. 2.
Eckert, John A. (See Leety, H. E., Eckert, and Page.)
Eckert, Mark K., Gettysburg, Pa. Headlight set. 1,869,919; Oct. 4.
Eckert, Wilhelm, and H. Greune, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc. Vat dyestuff and making same. Re16,643; Nov. 1.
Eckert, Wilhelm, and H. Siegle, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenation product of the ketimides of acenaphth-peri-indandione and its derivatives. 1,891,148; Dec. 13.
Eckert, Wilhelm, and O. Braunsdorf, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuff isomers. 1,888,625; Nov. 22.
Eckert, Wilhelm, and O. Braunsdorf, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Separation of new vat dyestuffs. 1,888,626; Nov. 22.
Eckert, Wilhelm, and O. Braunsdorf, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs and preparing them. 1,889,279; Nov. 29.
Eckert, Wilhelm, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Napthalimide dyestuffs and preparing them. 1,886,797; Nov. 8.
Eckert, Wilhelm, and H. Greune, Frankfort-on-the-Main-Hoechst, and Willy Eichholz, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparation of vat dyestuff isomers of the 1,4,5,8 naphthoylene dibenzimidazol series and the product. 1,888,624; Nov. 22.
Ecker, Cora G., and R. V. Sheldon, Los Angeles, Calif. Metal fire block, bridging, and bracing. 1,867,449; July 12.
Eckhard, John, Cincinnati, Ohio. Actuating means for shock absorbers. 1,875,575; Sept. 6.
Eckhard, John, Cincinnati, Ohio. Fluid shock absorber. 1,875,860; Sept. 6.
Eckhart, William K., and Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 1,854,694; Apr. 19.
Eckhart, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine having automatic feeders. 1,872,916; Aug. 23.
Eckhart, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet feeding mechanism. 1,888,659; Nov. 22.
Eckhardt, Fritz, and M. Hohnekamp, Eisenach, Germany. Safety device for electric incandescent lamps. 1,851,898; Mar. 29.
Eckhart, Marvin L., Attica, Ind., assignor to The Harrison Steel Castings Co. Metallic railway crossing. 1,844,912; Feb. 9.
Eckland Shoe Company. (See Eckland, P. S., and Ryden, assignors.)
Eckland, Emil O. (See Young, W. H., and Eckland.)
Eckland, Peter S., and G. Ryden, assignors to Eckland Bros. Company, Minneapolis, Minn. Dual transmission shifting device. 1,863,972; June 21.
Eckland, Peter S., and G. Ryden, assignors to Eckland Bros. Company, Minneapolis, Minn. Transmission shifting device for vehicles having two engines. 1,864,644; June 28.
Eckman, Merll L., Warren, Ohio. Spot welder. 1,869,188; July 26.
Eckright, George B., Los Angeles, Calif. Cabinet for packing china and glassware. 1,866,455; July 5.
Eckroate, Otto F., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Calking machine. 1,849,078; Mar. 15.
Eckstein, George F., Buffalo, N. Y. Winding machine. 1,875,861; Sept. 6.
Eckstein, Irving W., Jamestown, N. Y. Cabinet for filing flat sheets. 1,891,921; Dec. 27.
Eckstein, Jacob E., Pittsburgh, Pa. Fountain brush. 1,890,319; Dec. 6.
Eckstein, Reuben, et al. (See Slade, H. E., and Gehring, assignors.)
Eckstein, Reuben, New York, N. Y. Electric cap plug. Des. 86,910; May 10.
Eckstein, Reuben, Bronx, and M. Polis, Brooklyn, N. Y. Electric socket tap device. 1,842,543; Jan. 26.
Eclipse Air Brush Company. (See Downs, Austin H., assignor.)
Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)
Eclipse Aviation Corporation. (See Maurer, Paul H., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Aviation Corporation. (See Vastano, Frederick A., assignor.)
Eclipse Lawn Mower Company. (See Rothe, Lester B., assignor.)
Eclipse Machine Company. (See Bijur, Joseph.)
Eclipse Machine Company. (See Chilton, Roland, assignor.)
Eclipse Machine Company. (See Densmore, Albert A., assignor.)
Eclipse Machine Company. (See Kearney, Daniel P., assignor.)
Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
Eclipse Machine Company. (See Loudon, Warren P., assignor.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company, The. (See McGrath, W. L., and Whitney, assignors.)
Eclipse Machine Company. (See Nowosielski, Edward B., assignor.)
Eclipse Machine Company. (See Ringwald, Clarence, assignor.)
Eclipse Machine Company. (See Sayles, Theo. C., assignor.)
Eclipse Machine Company. (See Sekella, Youston, assignor.)
Eclipse Machine Company. (See Slayton, Robert E., assignor.)
Eclipse Machine Company. (See Wertz, Daniel L., assignor.)
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Eclipse Petrol Economiser System Company, The. (See Godward, Ernest R., assignor.)
Eclipse Textile Devices, Inc. (See Fassett, George R., assignor.)
Eclipse Textile Devices, Inc. (See Ferguson, John C., assignor.)
Eclipse Textile Devices, Inc. (See Garey, J. P., and Hasbrouck, assignors.)
Eclipse Textile Devices, Inc. (See Gere, Ward N., assignor.)
Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
Ecoff, Vance. (See Norvie, H. E., and Vance.)
Ecoff, Vance. (See Norviel, H. E., and Ecoff.)
Econoheet Company. (See Becker, Aloysius W., assignor.)
Economics Laboratory, Inc. (See Murray, Robert C., assignor.)
Economy Baler Company. (See Barrows, A. C., and Langford, assignors.)
Economy Baler Company. (See Langford, G. W., and Haines, assignors.)
Economy Engineering Company, The. (See Andrews, F. O., and Steinfurth, assignors.)
Economy Fuse and Manufacturing Co. (See Herbst, Clarence A., assignor.)
Economy Fuse and Manufacturing Co. (See Kurath, Franz, assignor.)
Economy Fuse & Manufacturing Company. (See Cherry, O. A., and Kurath, assignors.)
Economy Manufacturers Company. (See Colling, H. T., and Stewart.)
Ecremeuses Meilotte Societe Anonyme. (See Henrard, Fernand, assignor.)
Edahl, Knute, Chicago, Ill. Railway car construction. 1,863,400; June 14.
Edber, Silas M., assignor of twenty per cent to J. P. Spies and forty-five per cent to M. O. Steen, Bismarck, N. Dak. Transmission. 1,883,255; Oct. 18.
Eddins, Sextus A., and G. M. Hannigan, Quincy, assignors to Cordo-Hyde Company, Brockton, Mass. Making hollow shoe forms. 1,880,920; Oct. 4.
Eddison, William B., Ardsley on Hudson, N. Y., assignor to Western Clock Company, Peru, Ill. Movement checking machine. 1,848,520; Mar. 8.
Eddleman, Charles Anna, Ill. Potato planting machine. 1,839,957; Jan. 5.

Eddy, Charles F. A., New London, Conn. Signal system. 1,879,139; Sept. 27.
Eddy, Charles F. A., New London, Conn. Switching mechanism. 1,880,921; Oct. 4.
Eddy, Donald A., Cincinnati, Ohio. Mirror. Des. 88,345; Nov. 22.
Eddy-Form Brussiere Co. (See Pilatsky, Israel, assignor.)
Eddy, Harold G., assignor to Cerotetum Recrying Company of California, Los Angeles, Calif. Method of and apparatus for treating oil under vacuum. 1,847,902; Mar. 1.
Eddy, Harold F. (See Keenan, W. F., jr., and Eddy.)
Eddy, Newell A., Bay City, Mich. Rail connection. 1,880,429; Oct. 4.
Ede, Albert E., Cobden, Ill. Stapling machine. 1,851,621; Mar. 29.
Edel, Walter L., New Haven, Conn., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating system. 1,875,319; Aug. 23.
"Edeleanu" Gesellschaft m. b. H. (See Cattaneo, G., Edeleanu, Hess, Jodeck, and Rosenberg, assignors.)
"Edeleanu" Gesellschaft m. beschränkter Haftung. (See Jodeck, Paul, assignor.)
Edeleanu, Lazar. (See Cattaneo, G., Edeleanu, Hess, Jodeck, and Rosenberg.)
Edelmann, Otto J., Mountain View, N. J., assignor to Model Brassiere Inc., Brooklyn, N. Y. Brassiere. 1,849,514; Mar. 15.
Edelmann, William J. (See Graves, L. E., and Edelmann, assignors.)
Edenburg, Ludwig, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,845,158; Feb. 16.
Edenharder, Eugene E., West Allis, Wis., assignor of one-third to H. E. Edenharder, and one-third to J. E. Edenharder. Machine for washing vegetables. 1,857,444; May 10.
Edenharder, Helen E., et al. (See Edenharder, Eugene E., assignor.)
Edenharder, Jacob E., et al. (See Edenharder, Eugene E., assignor.)
Edgar Brothers Company. (See Simcoe, George, assignor.)
Edgar, Frank M., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Remote control lock structure for vehicle doors. 1,857,688; May 10.
Edgar, John, Rockford, Ill. Making toothed power transmitting devices. 1,853,638; Apr. 12.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Making hobs. 1,844,947; Feb. 16.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Dressing fixture. 1,850,343; Apr. 26.
Edgar, John, assignor, to Barber-Colman Company, Rockford, Ill. Milling cutter. 1,855,511; Apr. 26.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Workholder. 1,869,413; Aug. 2.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Wheel dressing mechanism. 1,892,385; Dec. 27.
Edgar, Louis C., Swissvale, Pa. Regenerative furnace. 1,853,499; Apr. 12.
Edgar, Robert, Los Angeles, Calif. Remote control apparatus for miniature sail boats. 1,859,557; May 24.
Edge, Dexter, Pittsburgh, Pa. Spraying system. 1,868,632; July 26.
Edgecumbe, John A., and H. L. Bishop, Minneapolis, assignors to The Oldham Co., Inc., St. Paul, Minn. Method of and apparatus for treating liquid impregnated materials and products resultant therefrom. 1,860,664; May 31.
Edgerton, Israel V., assignor to North American Car Corporation, Chicago, Ill. Stock car. 1,872,703; Aug. 23.
Edgerton Manufacturing Company. (See Strombeck, Carl O., assignor.)
Edgewater Steel Company. (See Dunham, Byron W., assignor.)
Edgewater Steel Company. (See Wikander, Oscar R., assignor.)
Edgin, Isac W. (See Edgin, James E., assignor.)
Edgin, James E. (See Feits, J. R., and Edgin.)
Edgin, James E., assignor to I. W. Edgin, Charlotte, Tenn. Gate and door latch. 1,892,613; Dec. 27.
Edgin, James E., Charlotte, assignor of one-half to T. H. Richardson, Dickson, Tenn. Implement for removing sucker buds from tobacco plants. 1,855,104; Apr. 19.
Edgren, Ernst D., Los Angeles, Calif. Device for automatically supplying washing solutions to washing machines. 1,889,280; Nov. 29.
Edgren, Fred E., Chicago, Ill. Trimming device. 1,869,859; Aug. 2.
Edham Co. Inc., The. (See Edgecumbe, J. A., and Bishop, assignor.)
Edholm, Harald, Solsidan, Saltsjobaden, assignor to Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden. Treatment of grainy materials. 1,885,998; Nov. 1.
Edick, Jesse D. (See Gould, William J., assignor.)
Edison Electric Appliance Company. (See McCormick, Francis H., assignor.)
Edison Electric Appliance Company. (See Randolph, Charles P., assignor.)
Edison Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
Edison General Electric Appliance Company. (See McCormick, Francis H., assignor.)
Edison General Electric Appliance Company. (See Olds, Ambrose D., assignor.)
Edison General Electric Appliance Company. (See Patten, Raymond E., assignor.)
Edison, Karl, Roscoe, N. Y. Illuminating device. 1,858,806; May 17.
Edison, Theodore M., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Vibration eliminating means. 1,855,570; Apr. 26.
Edison, Thomas A., Incorporated. (See Carlson, Charles B., assignor.)
Edison, Thomas A., Incorporated. (See Edison, Theodore M., assignor.)
Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
Edison, Thomas A., Incorporated. (See Grierson, P. S., and Bright, assignors.)
Edison, Thomas A., Incorporated. (See Holland, Newman H., assignor.)
Edison, Thomas A., Incorporated. (See Huenlich, Charles, assignor.)
Edison, Thomas A., Incorporated. (See Jacobs, Charles T., assignor.)
Edison, Thomas A., Incorporated. (See Johnson, Claude T., assignor.)
Edison, Thomas A., Incorporated. (See Nielsen, Hans B., assignor.)
Edison, Thomas A., Incorporated. (See Payne, P. D. and Iversen, assignors.)
Edison, Thomas A., Incorporated. (See Teague, Walter D., assignor.)
Edison, Thomas A., West Orange, assignor to T. A. Edison, Incorporated, West Orange, N. J. Production of molded articles. 1,862,740; June 14.
Edison, W. L., Manufacturing Corporation, The. (See Edison, William L., assignor.)
Edison, William L., assignor to The W. L. Edison Manufacturing Corporation, Wilmington, Del. Signaling system. 1,866,845; July 12.
Edlund, Laurence A., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Vulcanization of rubber. 1,875,997; Sept. 6.
Edman, John, assignor to Masterbilt Motor Company, Minneapolis, Minn. Internal air cooled exhaust valve. 1,846,300; Feb. 23.
Edmunds, Alberta P., New York, N. Y. Bath mat. 1,865,459; July 5.
Edmunds, William H., et al. (See Sleeper, Ned M., assignor.)
Edmiston, Hugh C. (See Johnson, Stuart, assignor.)
Edmond, Oscar G., assignor of one-half to White Pine Sash Company, Spokane, Wash. Woodworking machine. 1,881,400; Oct. 4.
Edmonds, Courtenay H. W., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Interlocking frame for railway points and signals and the like. 1,880,035; Sept. 27.
Edmonds, George P., assignor to G. & W. Electric Specialty Company, Chicago, Ill. Pothead and conductor protecting means. 1,889,545; Nov. 29.
Edmonds, George P., assignor to G & W Electric Specialty Co., Chicago, Ill. Pothead device. 1,891,213; Dec. 13.
Edmonds, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic apparatus. 1,848,466; Mar. 8.
Edmonds, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Synthetic methanol process. 1,875,714; Sept. 6.
Edmonds, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Apparatus and process for preserving liquid carbon dioxide. 1,876,047; Sept. 6.
Edmonson, Cary R., Winfield, Kans. Belt clamp. 1,843,023; Jan. 26.
Edmondson, William H., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Equipment for vertical coating. 1,857,241; May 10.
Edmondson, William H., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Striping knife. 1,857,242; May 10.
Edmonson, Arthur, Cleveland, Ohio, assignor to M. Matsen, Oregon, Wis. Electrical terminal. 1,873,930; Aug. 23.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Combination spring bumper and drawbar. 1,861,658; June 7.
Edmunds, Glenn F., Columbus, Ohio. Valve mechanism for internal combustion engines. 1,857,626; May 10.
Edmunds, Louis L., Crockett, Calif. Carton. 1,869,742; Aug. 2.
Edmunds, Marshall C., Cincinnati, Ohio, assignor of one-half to W. F. Simrall, Covington, Ky. Pneumatic well drilling apparatus. 1,862,260; June 7.
Edna Brass Manufacturing Company, The. (See Snyder, W. Earl, assignor.)
Edouart, Alexander F., assignor to Paramount Publix Corporation, Los Angeles, Calif. Film spool. 1,882,413; Oct. 11.
Edouart, Alexander F., assignor to Paramount Publix Corporation, Los Angeles, Calif. Shuttle pressure plate. 1,888,527; Nov. 22.

Edridge, Hartwell L., Minneapolis, Minn. Air cleaner for internal combustion engines. 1,842,082; Jan. 19.
Edsall, William S., assignor to Condit Electrical Manufacturing Corporation, Boston, Mass. Platen-mounted electric switch. 1,869,889; Aug. 2.
Edson, Arthur, Elk, California. Tool holding device. 1,869,240; July 26.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 85,979; Jan. 19.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills Inc., New York, N. Y. Lace. Des. 87,565; Aug. 16.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 87,909; Oct. 11.
Edson Manufacturing Corporation. (See Rymes, Christopher E., assignor.)
Edson, William K., Southbridge, assignor to B. C. Ames Co., Waltham, Mass. Loose play indicator. 1,888,454; Nov. 22.
Edstrom, Gus, Merrill, Wis. Screw driver. 1,862,470; June 7.
Edstrom, Karl A., Denver, Colo. Stereoscope. 1,865,683; July 5.
Edstrom, Karl A., Denver, Colo. Light reflector. 1,867,502; July 12.
Edward & Deutsch Lithographing Company. (See Fairbanks, Clarence T., assignor.)
Edward Valve and Manufacturing Company, The. (See Mohr, Walter W., assignor.)
Edwards, Albert B., Long Beach, assignor of one-half to E. C. Culbertson, Inglewood, Calif. Pump tubing protector. 1,888,588; Nov. 22.
Edwards, Alfred B., Jr., Plandome, N. Y. Culinary article. 1,880,922; Oct. 4.
Edwards, Alrah B., Chicago, Ill. Stenographic typewriting machine. 1,868,022; July 5.
Edwards, Carleton B., assignor to P. C. Reilly, Indianapolis, Ind. Carburizing and carburizing composition. 1,855,389; Apr. 26.
Edwards, Charles W., Washington, D. C. Walnut, etc., piercing machine. 1,848,941; Mar. 8.
Edwards and Company. (See Miller, Christian, assignor.)
Edwards, B. H., Co. (See Gerry, M. H., 3d, and Brooks, assignors.)
Edwards, Earl W., Chicago, Ill. Airway sign. 1,866,199; July 5.
Edwards, Frank W., assignor to The Ohio Injector Company, Chicago, Ill. Locking device for rotatable members. 1,890,030 Dec. 6.
Edwards, Frank W., assignor to The Ohio Injector Company, Chicago, Ill. High pressure self-grinding valve. 1,890,248; Dec. 6.
Edwards, Frank W., Chicago, Ill., and F. B. Farnsworth, Wadsworth, Ohio. Lubricator. 1,886,659; Nov. 8.
Edwards, Frank W., and A. C. Beckwith, assignors to Chicago Lubricator Company, Chicago, Ill. Mechanical hydrostatic lubricator. 1,842,257; Jan. 19.
Edwards, Frank W., Chicago, Ill., and F. B. Farnsworth, Wadsworth, Ohio. Lubricator. 1,881,353; Oct. 4.
Edwards, George H., Brooklyn, N. Y. Latching device. 1,891,224; Dec. 20.
Edwards, George W. (See Gilligan, J. P., and Edwards.)
Edwards, Henry, Caversham, Reading, O. J. Parker, Eastcheap, London, and Arnot, assignors to Ancolex Limited, London, England. Conversion of metallic ores. 1,887,452; Nov. 8.
Edwards, Henry J., assignor to The Willys Overland Company, Toledo, Ohio. Oil base for internal combustion engines. 1,868,055; July 19.
Edwards, Henry J., assignor to The Willys Overland Company, Toledo, Ohio. Single sleeve engine. 1,868,056; July 19.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,841,796; Jan. 19.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,848,247; Mar. 8.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,865,092; June 28.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,873,140; Sept. 27.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Piston for internal combustion engines. 1,876,627; Oct. 18.
Edwards, Herbert E., Brookline, assignor to T. J. Edwards Incorporated, Boston, Mass. Marking device for regular graded shoe upper blanks. 1,881,399; Oct. 4.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Diesel engine. 1,886,383; Nov. 8.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Diesel engine. 1,886,384; Nov. 8.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,891,322; Dec. 20.
Edwards, Hilding, assignor to Victor Iron Works, Inc., New York, N. Y. Conveyer chain. 1,841,592; Jan. 19.
Edwards, Hiram W., Los Angeles, Calif. Thermal pad for cots. 1,851,499; Mar. 29.
Edwards, Homer A., Nampa, Idaho. Sausage preparing apparatus. 1,890,249; Dec. 6.
Edwards, James H., Burnaby, assignor of one-fourth to J. C. Popham, one-fourth to S. T. Dare, and one-fourth to M. J. Phillips, New Westminster, British Columbia, Canada. Faucet. 1,872,447; Apr. 19.
Edwards, James H., assignor to Pines Winterfront Company, Chicago, Ill. Thermostatic radiator shutter control. 1,871,671; Aug. 16.
Edwards, James M., Chicago, Ill. Braking device. 1,841,280; Jan. 12.
Edwards, James M., Chicago, Ill. Coffee roaster. 1,890,642; Dec. 13.
Edwards, James McC., Cedar Heights, assignor to Associated Manufacturers Corporation of America, Waterloo, Iowa. Lubricating means for centrifugal liquid separator mechanism. 1,866,092; July 5.
Edwards, Joseph J., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Spare tire lock. 1,843,150; Feb. 2.
Edwards, Junius D. (See Taylor, C. S., and Edwards.)
Edwards, Lowi, Boston, Mass. Self releasing gear. 1,842,014; Jan. 19.
Edwards Manufacturing Company. (See Buck, Everett S., assignor.)
Edwards Manufacturing Company, The. (See Richmond, Samuel, assignor.)
Edwards, Norman D., assignor of one-half to Rutledge Equipment Company, Pittsburgh, Pa. Extractor fitting. 1,846,677; Feb. 23.
Edwards, O. M. Company, The. (See Axe, Roy T., assignor.)
Edwards, O. M., Company, Inc., The. (See Chaffee, Edward F., assignor.)
Edwards, O. M., Company Inc., The. (See Edwards, Joseph J., assignor.)
Edwards, O. M., Company, The. (See Edwards, Oliver M., assignor.)
Edwards, O. M., Company, The. (See Edwards, O. M., and Axe, assignors.)
Edwards, O. M. Company Inc., The. (See Edwards, O. M., and Levan, assignors.)
Edwards, O. M., Company, Inc., The. (See Holt, T. W., and Henderson, assignors.)
Edwards, Oliver M., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Ventilating side window for motor vehicles. 1,859,031; May 17.
Edwards, Oliver M., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Ventilating window for automobiles. 1,859,032; May 17.
Edwards, Oliver M., and R. T. Axe, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction with demountable top. 1,859,032; May 17.
Edwards, Oliver M., Syracuse, N. Y., and J. F. Levan, Elkhart, Ind., assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window guide and sash construction. 1,881,268; Oct. 4.
Edwards, Paul G., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Testing system. 1,882,125; Oct. 11.
Edwards, Paul G., Millburn, N. J., assignor to American Telephone and Telegraph Company. Testing system. 1,889,824; Dec. 6.
Edwards, Paul G., and T. C. Henneberger, Bloomfield, N. J., assignors to American Telephone and Telegraph Company. Electrical testing system. 1,871,967; Aug. 16.
Edwards, Paul S. (See Barbulesco, Constantin D., assignor.)
Edwards, Ralph D., Osceola, Ind. Siphon. 1,885,695; Nov. 1.
Edwards, Ray, Coalinga, Calif. Safety hook. 1,842,593; Jan. 26.
Edwards, Robert W., J. D. Young, and S. D. Young, Ayr, Australia. Converting continuous rotary motion into reversible linear motion. 1,844,568; Feb. 9.
Edwards, Searles. (See Edwards, William C., jr., assignor.)
Edwards, Sherman D., Pasco, Wash. Brake mechanism. 1,846,479; Feb. 23.
Edwards, T. J., Incorporated. (See Edwards, Herbert E., assignor.)
Edwards, Valentine W., assignor to The Houghton Butcher Manufacturing Company Limited, London, England. Combined shutter and film winding mechanism for photographic cameras. 1,879,141; Sept. 27.
Edwards, Vere B. (See Dravo, F. R., and Edwards.)
Edwards, Victor E., West Boylston, assignor to Morgan Construction Company, Worcester, Mass. Rolling metal. 1,861,525; June 7.
Edwards, Victor E., West Boylston, assignor to Morgan Construction Company, Worcester, Mass. Shearing machine. 1,878,121; Sept. 20.
Edwards, Walter, Kokomo, Ind. Sidewalk sign. 1,845,590; Feb. 16.
Edwards, William A., assignor to Stewart-Warner Corporation, Chicago, Ill. Direct fuel system. 1,842,156; Jan. 19.

Edwards, William A., assignor to Stewart-Warner Corporation, Chicago, Ill. Radiator shutter control. 1,846,191 ; Feb. 23.

Edwards, William A., assignor to Stewart-Warner Corporation, Chicago, Ill. Radiator shutter controlling device. 1,855,476 ; Apr. 26.

Edwards, William A., Chicago, Ill., assignor of one-half to S. Burton. Vacuum fuel feeding device. 1,862,667 ; June 14.

Edwards, William A., assignor of one-half to C. S. Burton, Chicago, Ill. Suction-proportioning means for suction-operated motors. 1,873,320 ; Aug. 23.

Edwards, William C., jr., assignor to Searles Edwards, Kansas City, Mo. Composite conveyer mechanism for combines. 1,841,718 ; Jan. 19.

Edwards, William G., Reno, Nev. Semicollapsible metallic tube. 1,844,215 ; Feb. 9.

Edwards, William H. (See Johnson, C. E., and Edwards.)

Edwards, William H. (See Niles, E. W., and Edwards.)

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone signaling system. 1,845,017 ; Feb. 16.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Signaling arrangement for telephone lines. 1,852,045 ; Apr. 5.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,859,385 ; May 24.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,859,386 ; May 24.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Signaling system for party telephone lines. 1,860,457 ; May 31.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone signaling system. 1,860,458 ; May 31.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Signaling arrangement for two party telephone lines. 1,860,459 ; May 31.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone signaling system. 1,864,645 ; June 28.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone signaling arrangement. 1,864,646 ; June 28.

Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Party telephone signaling arrangement. 1,874,472 ; Aug. 30.

Edwards, William W., Los Angeles, Calif. Change speed mechanism. 1,854,885 ; May 19.

Edwin, Louis B., Chicago, Ill., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Device for equalizing the strain on a group of suspension cables. 1,854,182 ; Apr. 19.

Een, Johannes B., Oslo, Norway. Wooden plank house. 1,875,576 ; Sept. 6.

Effront, Ivan A. (See Boidin, A. R., and Effront.)

Egan, Charles H., Boston, and B. Dewey, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Self-lubricating rubber surface. 1,874,450 ; Sept. 6.

Egan Cotton Mills. (See Pledger, Martin L., assignor.)

Egan, Mathew M., Fort Worth, Tex. Propeller. 1,879,142 ; Sept. 27.

Egbert, Warren. (See Kerns, F. W., and Egbert.)

Ege, Alfred, assignor of one-half to S. Schiro, Chicago, Ill. Paraffin-ganger's knife attachment. 1,871,885 ; Aug. 16.

Egenolf, George J., assignor to The J. L. MacDaniel Printing Company, Inc., Indianapolis, Ind. Wrapping and sealing apparatus. 1,880,926 ; Oct. 4.

Eger, Ernst, assignor to Morgan & Wright, Detroit, Mich. Base for openings in yieldable material. 1,851,758 ; Mar. 29.

Eger, Ernst, and S. P. Thacher, assignors to Morgan & Wright, Detroit, Mich. Tire. 1,857,144 ; May 10.

Eger, Georg. (See Engelhardt, V., Eger, and Helm.)

Eger, William F., Bartow, Fla. Fish bait. 1,865,359 ; June 28.

Eger, William F., Bartow, Fla. Fish bait. 1,865,360 ; June 28.

Egerer, Frank, assignor to W. J. Volt Rubber Company, Los Angeles, Calif. Inflatable ball and making same. 1,853,511 ; Apr. 12.

Egerton, Herbert, et al. (See Clayden, Fred, assignor.)

Egnan, Alfred J., assignor to Livingston Engineering Company, Chicago, Ill. Cable equalizer. 1,869,471 ; Aug. 2.

Egger-Hansen, Simon S., Vienna, Austria, assignor to Egger-Hansen's Naamlooze Vennootschap tot Exploitatie van Octrooien, Rotterdam, Netherlands. Price scale. 1,878,832 ; Sept. 20.

Egger-Hansen's Naamlooze Vennootschap tot Exploitatie van Octrooien. (See Egger-Hansen, Simon S., assignor.)

Eggert, Frederick E., Chicago, Ill. Gynecologic instrument. 1,857,127 ; May 10.

Eggert, Fritz. (See Mueller-Cunradi, M., and Eggert.)

Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Weighing machine. 1,853,967 ; Apr. 12.

Eggert, Gustav B., Saginaw, Mich. Transmission. 1,869,389 ; July 26.

Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Dough divider. 1,871,261 ; Aug. 9.

Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Ejector mechanism for dough dividers. 1,871,264 ; Aug. 9.

Eggert, Joseph. (See Jaeger, G., and Eggert.)

Eggert, Joseph, Columbus, Ohio. Loader agitator for concrete mixing machines. 1,851,242 ; Mar. 29.

Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Truck mixer. 1,872,624 ; Aug. 16.

Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Water tank for concrete mixers. 1,885,551 ; Nov. 22.

Eggert, Lewis, Toledo, Ohio. Control system and apparatus. 1,860,022 ; May 24.

Eggert, Lewis, Toledo, Ohio. Automatic clamping mechanism for molds. 1,865,434 ; July 5.

Eggert, Lewis, Toledo, Ohio. Oil compensator for mold strippers. 1,866,435 ; July 5.

Eggert, William, jr., Brooklyn, N. Y. Preparing fertilizer. 1,845,018 ; Feb. 16.

Eggleston, Lewis W., Buffalo, assignor to American Radiator Company, New York, N. Y. Controlling means. 1,841,326 ; Jan. 12.

Eggleston, Lewis W., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Control means. 1,858,005 ; May 10.

Eggleston, Lewis W., Clarence Township, assignor to American Radiator Company, New York, N. Y. Control device for heating apparatus. 1,891,758 ; Dec. 20.

Eggleston, Smith. (See Eggleston, J., and Eggleston.)

Eggleston, Smith, St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Conveyer system with pilot cars. 1,842,340 ; Jan. 19.

Egler, Andrew G., Youngstown, Ohio. Production of sound ingots. 1,841,173 ; Jan. 12.

Egler, Andrew G., Youngstown, Ohio. Production of sound ingots. 1,887,296 ; Nov. 8.

Egler, Niklas F., Monessen, Pa. Open-hearth furnace. 1,890,805 ; Dec. 13.

Egli, Arnold, Hamburg, Germany. Method of and apparatus for drying sheets in multicolor intaglio printing. 1,867,256 ; July 12.

Egli, Arnold, Hamburg, Germany. Bearing arrangement for multicolor printing machines. 1,868,097 ; July 19.

Egli, Arnold A., Hamburg, Germany. Multicolor intaglio printing machine. 1,883,638 ; Oct. 18.

Egli, Constant A., Weehawken, N. J. Lamp stand. 1,865,179 ; June 28.

Egli, Edward. (See Maguire, Charles L., assignor.)

Egli, Ernst, assignor to Maschinenfabrik Ruti vormals Caspar Honegger, Ruti, Switzerland. Pirn for looms. 1,851,243 ; Mar. 29.

Egli, Ernst, assignor to Maschinenfabrik Rüti vormals Caspar Honegger, Ruti, Switzerland. Warp stop motions for looms. 1,892,333 ; Dec. 27.

Egli, Ernst, assignor to Maschinenfabrik Rüti vormals Caspar Honegger, Ruti, Switzerland. Weft feeler for automatic looms. 1,892,334 ; Dec. 27.

Egli, Huldreich, Baltimore, and S. M. Shoemaker, Burnside Farm, Eccleston, Md. Hay curing and drying machine. 1,874,473 ; Aug. 30.

Egli, John, Camden, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Metal vapor arc rectifier. 1,873,957 ; Aug. 30.

Egloff, Gustav. (See Morrell, J. C., and Egloff.)

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,843,151 ; Feb. 2.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,843,386 ; Feb. 2.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,850,869 ; Mar. 22.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,852,960 ; Apr. 5.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,852,961 ; Apr. 5.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,854,464 ; Apr. 19.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,855,879 ; Apr. 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Distilling bitumen. 1,868,733 ; July 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Distilling bitumen. 1,868,734 ; July 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Distilling bitumen. 1,868,735 ; July 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking bituminous material. 1,868,736 ; July 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Destructively distilling bitumen. 1,868,737 ; July 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Destructively distilling bitumen. 1,868,738 ; July 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Stabilizing gasoline and the like. 1,885,190 ; Nov. 1.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,887,083; Nov. 8.

Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,843,385; Feb. 2.

Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbons. 1,843,664; Feb. 2.

Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for the conversion of petroleum oil. 1,843,711; Feb. 2.

Egloff, Gustav, Chicago, Ill., and W. R. Howard, Washington, D. C., assignors to The Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting hydrocarbons. 1,857,465; May 10.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Distilling wood. 1,859,292; May 24.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company Chicago, Ill. Treating petroleum oil. 1,859,029; Nov. 15.

Egnal, Michael H., Philadelphia, Pa. Button clasp. 1,839,659; Jan. 5.

Egnor, Theodore L., Hillside, N. J. Rubber roller polishing machine. 1,888,589; Nov. 22.

Ego, Frederick P. (See Bergman, J. E., and Ego.)

Egouvillon, Robert Jean, and J. R. Lang, Paris, France. Case for inclosing an object such as a watch, a lighter, or otherwise. 1,860,773; May 31.

Egr, Joseph. (See Windrich, John T., assignor.)

Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)

Egry Register Company, The. (See Rowe, Clement J., assignor.)

Egry Register Company, The. (See Stern, M. C., and Pfeiffer, assignors.)

Egy, Willard L., assignor to W. & L. E. Gurley, Troy, N. Y. Vernier. 1,864,895; June 28.

Egy, Willard L., assignor to W. & L. E. Gurley, Troy, N. Y. Vernier for reading graduated circles. 1,864,896; June 28.

Egy, Willard L. assignor to W. & L. E. Gurley, Troy, N. Y. Surveying instrument. 1,871,165; Aug. 9.

Ehemann, William, Aliquippa, Pa. Valve. 1,891,374; Dec. 20.

Ehlenbeck, Alfred, Wuppertal-Vohwinkel, Germany. Cushion or insert for mattresses or the like consisting of spiral springs. 1,868,279; July 19.

Ehlers, Oscar R., Flint, assignor of one-half to H. Hinger, Wilmington, Del. Automobile headlight. 1,864,418; June 21.

Ehling, Reuben W., et al. (See Scott, William E., assignor.)

Ehlinger, Marcel. (See Blomquist, J. V., and Ehlinger.)

Ehlinger, Marcel, Mulhouse, France, assignor to Societe Alsacienne de Constructions Mecaniques, Mulhouse, France, and Aktiebolaget Atmos, Stockholm, Sweden. Removing scale deposits in steam boilers, feed water heaters, and the like. 1,861,769; May 31.

Ehlinger, Marcel, assignor to Societe Alsacienne de Constructions Mecaniques, Mulhouse, France. Water level expansion circulator for use in connection with boilers or the like. 1,887,084; Nov. 8.

Ehlinger, Marcel, assignor to Societe Alsacienne de Constructions Mecaniques, Mulhouse, France. Feed water regulator for boilers and the like. 1,890,375; Dec. 13.

Ehni, Ellsworth M., Flushing, N. Y. Pillow case construction. 1,854,025; Apr. 12.

Ehrbar, John R. (See Schnell, W., and Ehrbar.)

Ehrenfeld, Day. (See Oglesby, N. E., and Ehrenfeld.)

Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Motor structure. 1,851,572; Mar. 29.

Ehrenhardt, Fred, Lockport, N. Y. Produce basket filling device. 1,865,361; June 28.

Ehrenreich, Alfred, London, England. Treatment of the glands of the piaziostomi. 1,866,633; July 12.

Ehrenwerd, Alexander, Zurich, Switzerland. Display apparatus. 1,885,595; Nov. 1.

Ehret, Cornelius D., Philadelphia, Pa. Radio phonographic apparatus. 1,849,772; Jan. 12.

Ehret, Yale W., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash lock. 1,857,295; May 10.

Ehrhardt, Alfred. (See Nawiasky, P., and Ehrhardt.)

Ehrhardt, Friedrich, and C. Roeder, Nuremberg, Germany. Lead pencil and like polishing machine. 1,887,260; Nov. 8.

Ehrhardt, Udo, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrolytic production of sodium perchlorate. 1,880,927; Oct. 4.

Ehrhart, Eugene N., New Orleans, La., and L. Wickenden, Manhasset, N. Y., assignors to J. J. Naugle, Greenwich, Conn. Preparing invert sugars. 1,886,875; Nov. 8.

Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Stein.)

Ehrhart, Josef, St. Poelten, Austria, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Propelling and steering mechanism for ships. 1,870,674; Aug. 9.

Ehrhart, Raymond N., Pittsburgh, Pa. Surface condenser. 1,853,390; Apr. 26.

Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Apparatus for evaporating liquids. 1,845,045; Feb. 16.

Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Apparatus for evaporating liquid. 1,869,190; July 26.

Ehrgott, August. (See Little, J. E., Kichline, and Ehrgott.)

Ehricke, Max, assignor to the Firm: Rud. Sack, Leipzig-Plagwitz, Germany. Lifting and lowering mechanism for tractors and the like. 1,853,804; Apr. 12.

Ehrlich, Albert H., St. Joseph, Mo. Show case. 1,866,401; July 5.

Ehrlich, Francis J., Indianapolis, Ind. Bun splitter. 1,879,796; Sept. 27.

Ehrlich, Jacob. (See Gardiner, A. W., and Ehrlich.)

Ehrlich, Jacob, Detroit, and J. O. Almen, Laval Oak, assignors to General Motors Research Corporation, Detroit, Mich. Friction transmission. 1,844,464; Feb. 9.

Ehrlich, Johann, Vienna, Austria. Stand for the display of goods. 1,878,765; Sept. 20.

Ehrlich, Louis B., Brookline, Mass., assignor, by mesne assignments, to The Electric Auto-Lite Company. Starting motor switch. 1,839,916; Jan. 5.

Ehrlich, Louis B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Combined end plate and brush holder support for dynamo-electric machines. 1,874,000; Aug. 30.

Ehrlich, Louis B., Toledo, Ohio. Center punch construction. 1,887,085; Nov. 8.

Ehrlich, Max, Woodhaven, N. Y. Multiple tray. 1,861,010; June 7.

Ehrlich, Rose, assignor to Lapin Specialty Mfg. Co., Inc., New York, N. Y. Waver. 1,855,755; Apr. 26.

Ehrlich, Rose, assignor to Lapin Specialty Mfg. Co., Inc., New York, N. Y. Waver. 1,868,593; June 21.

Ehrman, Clarence D., Petersburg, Va. Ash tray. Des. 85,637; Dec. 13.

Ehrmann, George B., Troy, N. Y. Keyhole guard for locks. 1,876,646; Sept. 13.

Ehl, Franz, Finow, Germany, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace construction. 1,890,773; Dec. 13.

Eibner, Alexander, Munich, assignor to the Firm Theodor Kotthoff, Cologne, Rudolf Mosse Aktiengesellschaft, Drying oil. 1,870,614; Aug. 9.

Eiche, Harold D., assignor to Frigidare Corporation, Dayton, Ohio. Refrigerating apparatus. 1,849,118; Mar. 8.

Eichelberger, Gayferd A., assignor of one-half to C. M. Menzies, Stockton, Calif. Vehicle carrying trailer. 1,854,705; Jan. 19.

Eichenauer, Konrad, Neu-Rossen, near Merseburg, assignor to Rheinische Metallwaren- und Maschinenfabrik, Duesseldorf-Derendorf, Germany. Circuiting machine controlling one or more secondary machines. 1,858,807; May 17.

Eichenbaum, Irving A., New York, N. Y. Hat making machine. 1,883,639; Oct. 18.

Eichenberger, Ferdinand, Aarau, Switzerland, assignor, by mesne assignments, to Globar Corporation, Niagara Falls, N. Y. Electrical resistance element and producing the same. 1,842,088; Jan. 19.

Eichhoff, George W. (See Eickmeyer, E. E., and Eichhoff.)

Eickhoff, Theodore H. (See Clapp, K. S., and Eickhoff.)

Eickholz, Willy. (See Eckert, W., Greune, and Eickholz.)

Eickholz, Willy. (See Lüttringhaus, A., Neresheimer, H., Eickholz, Bochner, and Schneider.)

Eickholz, Willy. (See Neresheimer, H., and Eickholz.)

Eickhorn, Ernst, Schmolln, assignor of one-half to Reinhold Thieme, Gera-Pforten, Thuringia, Germany. Freewheel gear. 1,866,254; July 5.

Eickhorn, Fred A., Chattanooga, Tenn. Combined packing and expansion ring. 1,885,206; Nov. 1.

Eichwald, Eeon, Amsterdam, The Netherlands, assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Recovering sulphonic acids or their salts in a purified condition from impure sulphonation products. 1,868,596; July 26.

Eichwalder, Ernst. (See Raaber, H., Petschenig, Pechan, and Eichwalder.)

Eichwede, Heinz, and J. Rachor, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Yellow azo dyestuff. 1,874,474; Aug. 30.

Eichwede, Heinz, and J. Rachor, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Yellow pyrazolone mono-azo dyestuffs. 1,876,884; Sept. 13.

Eicken, Hermann, Cologne, Germany. Liquid spray for perfume or medicinal purposes. 1,852,046; Apr. 5.

Eickhoff, Theodore H. (See Clapp, Kenneth S.)

Eickhoff, Theodore H., Cleveland Heights, assignor to Philip Carey Mfg. Company, Lockland, Ohio. Slab forming and bundling apparatus. 1,841,017; Jan. 12.

Eickhoff, Theodore H., Cleveland Heights, Ohio, assignor to The Philip Carey Manufacturing Company, Slab forming and stacking mechanism. 1,841,018; Jan. 12.

Eickmeyer, Earl E., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Gasoline pump. 1,855,797; Apr. 26.

Eickmeyer, Earl E., assignor to The Dayton Pump and Mfg. Co., Dayton, Ohio. Valve. 1,859,916; May 24.

Eickmeyer, Earl E., and H. H. Wolfe, assignors to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Gasoline dispensing pump. Des. 85,115; Feb. 2.

Eickmeyer, Earl E., and G. W. Eichhoff, assignors to The Dayton Pump & Mfg. Company, Dayton, Ohio. Gasoline or other article dispensing pump. Des. 87,874; Oct. 4.

Eickmeyer, Earl E., and George W. Eichhoff, assignors to The Dayton Pump & Mfg. Company, Dayton, Ohio. Gasoline or other article dispensing pump. Des. 88,144; Nov. 1.

Eidam, Adam, Hazleton, Pa. Chuck. 1,864,191; June 21.

Eidsmore, Merton, Astoria, N. Y. Water evacuating device. 1,865,623; July 5.

Eifel, Joseph, Chicago, Ill. Wrench. 1,862,817; June 14.

Eiffländer, Ludwig. (See Kesseler, H., and Eiffländer.)

Eighmey, David T., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmitter. Des. 87,387; July 19.

Eight-Wheel Motor Vehicle Company. (See Fageol, Roible B., assignor.)

Eiker, Thaddeus B., Jefferson Barracks, St. Louis, Mo. Carburetor. 1,863,758; Oct. 18.

Eilen, Joseph, assignor to Elder Mfg. Company, St. Louis, Mo. Boy's suit. Des. 86,880. May 3.

Eilersgand, Asger, assignor to Link-Belt Company, Chicago, Ill. Overload release. 1,862,885; June 14.

Eilersgand, Asger, Chicago, Ill., assignor to Link-Belt Company. Clutch operating mechanism. 1,866,093; July 5.

Eilersgand, Asger, assignor to Link-Belt Company, Chicago, Ill. Double acting auxiliary clutch. 1,871,049; Aug. 9.

Eilersgand, Asger, assignor to Link-Belt Company, Chicago, Ill. Excavating machine. 1,872,129; Aug. 16.

Eimer & Amend. (See Amend, Otto P., assignor.)

Einbeck, Friedrich, assignor to Firm Aug. Klönne, Dortmund, Germany. Ladder device for ascending gas containers. 1,865,684; July 5.

Einerman, Frederick, Ramsey, N. J. Refrigerator. 1,868,495; July 26.

Einfeldt, Ernest E., Davenport, Iowa, assignor to French & Hecht, Incorporated. Apparatus for electric riveting, heading, etc. 1,874,942; Aug. 30.

Einfeldt, Ernest E., Davenport, Iowa, assignor to French & Hecht, Incorporated. Wheel construction. 1,874,943; Aug. 30.

Einson-Freeman Co. (See Einson, Morris M., assignor.)

Einson, Morris M., Yonkers, N. Y. Display device. 1,867,696; July 19.

Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display or advertising device. 1,844,276; Feb. 9.

Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display and dispensing carton. 1,860,324; May 24.

Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display and dispensing carton. 1,870,793; Aug. 9.

Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Easel or support for posters and the like. 1,870,794; Aug. 9.

Einson, Morris M., Yonkers, N. Y., and A. J. Tanner, North Haven, Conn. Display device. 1,840,622; Jan. 12.

Einstein, Howard C., South Bend, Ind., assignor to The Tabulating Machine Company, New York, N. Y. Sorting machine. 1,876,647; Sept. 13.

Einstein, Robert E., St. Louis, Mo. Rail lubricating apparatus. 1,874,001; Aug. 30.

Einstein, Sol, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,842,375; Jan. 19.

Einstein, Sol, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Grinder wheel oscillator. 1,849,867; Mar. 15.

Einstein, Sol, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,864,486; June 21.

Einstein, Sol, and L. F. Nenninger, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,845,865; Feb. 16.

Einstein, Sol, and L. F. Nenninger, assignors, by mesne assignments, to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Truing device for the wheels of grinding machines. 1,871,504; Aug. 16.

Einstein, Sol, Cincinnati, and H. R. Isler, Norwood, assignors, by mesne assignments, to Grinders Incorporated, Cincinnati, Ohio. Hydraulic grinder. 1,877,500; Sept. 13.

Einstein, Sol, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,877,828; Sept. 20.

Einstein, Sol, L. F. Nenninger and F. Haas, assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,846,956; Feb. 23.

Einstein's Electro Chemical Process Limited. (See Baranowski, Kazimierz, assignor.)

Einwaechter, Frederick H., jr., West Halethorpe, Md. Locomotive driving box. 1,841,366; Jan. 19.

Eisele, Albert, Berlin-Westend, Germany. Lock. 1,888,873; Nov. 22.

Eisele, Julius. (See Ambros, O., Reindel, Eisele, and Stoeberl.)

Eiseman, Millard C., and G. A. Beilfuss, Chicago, Ill. Combination razor and guard. 1,849,079; Mar. 15.

Eiseman, Robert J., Willoughby, assignor to The K-W Ignition Corporation, Cleveland, Ohio. Burner control. 1,876,281; Sept. 6.

Eisen, Otto W., Hollis, N. Y., assignor to P. J. Costigan, Waterbury, Conn. Apparatus for reducing stiffness from shoes. 1,848,702; Mar. 8.

Eisenbau Wyhlen Aktiengesellschaft. (See Fechtig, Johann, assignor.)

Eisenberg, Abraham D., Brooklyn, assignor to Continental Process Corporation, New York, N. Y. Printing on cellophane or the like. 1,891,323; Dec. 20.

Eisenberg, Charles G., jr., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Dumping mechanism. 1,891,922; Dec. 27.

Eisenberg, Samuel, and A. J. Catanzaro, Chicago, Ill. Merchandise display device. 1,854,295; Apr. 19.

Eisenhardt, Frank J., Waukegan, Ill., assignor to Johns-Manville Corporation. Making Brake lining and the like. 1,877,631; Sept. 13.

Eisenhardt, William J. (See Eisenhardt, William T., assignor.)

Eisenhardt, William T., assignor to W. J. Eisenhardt, Baltimore, Md. Sugar dispenser. 1,883,640; Oct. 18.

Eisenhauer, Charles D., assignor to The Duro Company, Dayton, Ohio. Water softening apparatus. 1,860,926; May 31.

Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water softener. 1,860,927; May 31.

Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Automatic water softener. 1,872,704; Aug. 23.

Eisenhauer, Edward, jr., assignor of one-half to C. A. Palmer, Los Angeles, Calif. Extraction of copper from ores. 1,848,416; Mar. 8.

Eisenhour, Bert E., Aurora, assignor of one-half to G. Fabyan Geneva, Ill. Compensated tuning fork. 1,880,923; Oct. 4.

Eisenhut, Otto, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon black, acetylene and hydrogen. 1,880,924; Oct. 4.

Eisenhut, Otto, Heidelberg, A. Bass, Ludwigshafen-on-the-Rhine, and J. A. Meier, Heidelberg, Germany, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric furnace installation. 1,864,485; June 21.

Eisenlohr, Friedrich, assignor to Blechdosen-und Plakatfabrik K. G., Canstatt, Germany. Box stamping and drawing tool. 1,877,623; May 10.

Eisenman, Arthur A., assignor to Eastman Manufacturing Company, Manitowoc, Wis. Union fitting. 1,875,330; Sept. 6.

Eisenmann, Frederick C., Philadelphia, Pa. Expanding reamer. 1,839,537; Jan. 5.

Eisenmann, Karl. (See Pungs, W., and Eisenmann.)

Eisenmann, Karl. (See Pungs, W., Eisenmann, and Kuckenbuch.)

Eisenschmid, William, and L. Newcomb, Pittsburgh, assignors of one-half to Pittsburgh Taximeter Company, Pittsburgh, Pa., and one-half to Checker Cab Manufacturing Company, Kalamazoo, Mich. Meter operating mechanism. 1,853,555; Apr. 12.

Eisenschmidt, Louis A., St. Louis, Mo. Bracket. 1,848,085; Mar. 1.

Eisenstein, Julius, Chicago, Ill., assignor to D. S. Beebe, K. E. Anderson, W. C. Dunn, and J. Eisenstein, trustees known as Chicago Paint Company, a trust. Coating composition. 1,852,706; Apr. 5.

Eisenwerk, Wülfel. (See Müller-Keuth, Wilhelm, assignor.)

Eisleb, Otto, Hofheim-im-Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. N-substituted 1,3-diamino-2-propanols and preparing them. 1,845,493; Feb. 16.

Eisleb, Otto, Hofheim-on-Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Beta-dimethylaminoethyl-ester of para-butyl-amino-benzoic acid. 1,859,645; May 24.

Eisler, Charles, Newark, N. J. Bead machine. 1,866,634; July 12.

Eisler Electric Corporation. (See Laise, Clemens A., assignor.)

Eisler Electric Corporation. (See Morick, J. A., and Swanson, assignors.)

Eisler Electric Corporation. (See Swanson, Kenneth P., assignor.)

Eisler, Henry, New York, N. Y., assignor to Emeth Financial Corporation. Hair device. Re18,695; Dec. 20.

Eisler, Henry, New York, N. Y., assignor to Emeth Financial Corporation. Hair device. 1,844,644; Feb. 9.

Eisner, William J., assignor to Newark Paraffine & Parchment Paper Co., Newark, N. J. Apparatus for coating. 1,880,078; Sept. 27.

Eisner, Willy, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of coarse crystals. 1,880,925; Oct. 4.

Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Ticker protecting means. 1,839,470; Jan. 5.

Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Duplex projection. 1,868,889; July 26.
Ekberg, Carl Lombard, Ill. Display box for tools. Des. 88,145; Nov. 1.
Ekdahl, Carl E., assignor to Marlin Firearms Company, New Haven, Conn. Firearm. 1,851,696; Mar. 29.
Ekeberg, Emil, Kongsberg, Sweden. Continuous bleaching of fibrous materials. 1,887,587; Nov. 15.
Eklov, Karl V., Detroit, Mich. Paint striping device. 1,891,527; Dec. 20.
Eklund, Herbert R., Rockford, Ill. Overhead door. 1,888,102; Nov. 15.
Eklund, Joel, assignor to Erie City Iron Works, Erie, Pa. Gypsum calcining furnace. 1,841,940; Jan. 19.
Eklund, William P. (See Cumming, John F., and Eklund.)
Ekman, Andrew. (See Geske, C., and Ekman.)
Ekman, Andrew, Grand Rapids, Mich. Latch. 1,873,560; Aug. 23.
Ekman, Andrew, Grand Rapids, assignor to Winters & Crampton Mfg. Co., Grandville, Mich. Refrigerator latch. 1,890,928; Oct. 4.
Ekman, Andrew, Grand Rapids, assignor to Winters & Crampton Manufacturing Company, Grandville, Mich. Locking refrigerator latch. 1,890,929; Oct. 4.
Eksergian, Carolus L. (See Kelley, G. L., and Eksergian.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Reenforced steel wheel. 1,850,344; Mar. 22.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake drum attachment for artillery wheels. 1,850,345; Mar. 22.
Eksergian, Carolus L., Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia. Roller bearing. 1,855,709; Apr. 26.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 1,890,661; Dec. 13.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Universal joint. 1,868,818; July 26.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Dual disk wheel with spacer rings. 1,863,286; Nov. 18.
Eksergian, Carolus L., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Making hinges. 1,852,403; Apr. 26.
Eksergian, Carolus L., assignor to Budd Wheel Company, Philadelphia, Pa. Apparatus for welding wheels to rims. 1,891,804; Aug. 30.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel nave construction. 1,856,535; May 3.
Eksergian, Carolus L., Detroit, Mich., and J. P. Tarbox, assignors to Budd Wheel Company, Philadelphia, Pa. Making wheel hubs. 1,840,941; Jan. 12.
Eksergian, Carolus L., Detroit, Mich., and E. G. Budd, assignors to Budd Wheel Company, Philadelphia, Pa. Method and apparatus for rolling disks. 1,869,959; Aug. 2.
Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. 1,869,960; Aug. 2.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. Des. 88,509; Dec. 6.
Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. Des. 88,510; Dec. 6.
Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Co., Philadelphia, Pa. Wheel. Des. 88,511; Dec. 6.
Ekstedt, John W., Belleville, N. J., assignor to Westinghouse Lamp Company. Filament for incandescent electric lamps. 1,856,283; May 3.
Ekstrom, Carlson & Co. (See Carlson, George H., assignor.)
Ekstromer, Edward C., San Francisco, assignor of one-half to J. F. Gallagher, Berkeley, Calif., and one-half to The Edward C. Ekstromer Corporation, Reno, Nev. Oil well cleaner. 1,866,927; July 12.
Ekstromer, Edward C., San Francisco, Calif., assignor, by direct and mesne assignments, of one-half to J. F. Gallagher, Boston, Mass., and one-half to The Edward C. Ekstromer Corporation, Reno, Nev. Oil well pumping equipment and system. 1,882,069; Oct. 11.
Ekstromer, Edward C., Redwood City, assignor of one-half to J. F. Gallagher, Berkeley, Calif.; B. N. Gallagher, executrix of said James F. Gallagher, deceased, said Ekstromer assignor of one-half to The Edward C. Ekstromer Corporation. Pump and driving mechanism. 1,868,098; July 19.
Ekstromer, Edward C., Corporation, The. (See Ekstromer, Edward C., assignor.)
Ekstromer, Edward C., Corporation, The, et al. (See Ekstromer, Edward C.)
Ekvall, Edward E., Elgin, assignor to The W. H. Howell Company, Geneva, Ill. Folding table. 1,879,665; Sept. 27.
Elasto Ribbon Co. (See Lyons, Grace J., assignor.)
Elbe, Rudolf, Wandsbek, near Hamburg, Germany. Apparatus for treating food stuffs such as meat and fish. 1,891,873; Dec. 20.
Elbel, Ernst, and F. Seebach, Erkner, near Berlin, assignors to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany. Method of lacquering and impregnating with artificial resins. 1,880,930; Oct. 4.
Elbert, Benjamin F., Des Moines, Iowa. Portable fireplace. 1,852,404; Apr. 5.
Elberty, Robert S., jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric device for classifying laundry materials. 1,872,258; Aug. 16.
Elbington, Joe C. (See Spear, C. M., and Ellington.)
Elco Tool & Screw Corporation. (See Broberg, Elmer, assignor.)
Elder, Charles W., Roy, Washington. Composition roller. 1,870,773; Aug. 9.
Elder, Charles W., Roy, Wash. Motor driven paper spreader. 1,870,800; Aug. 9.
Elder, David, Waverly, Mass. Cultivating tool. 1,888,982; Nov. 29.
Elder, Donald, San Francisco, Calif. Irrigating apparatus. 1,853,805; Apr. 12.
Elder, Donald, Berkeley, Calif. Hose timer. 1,857,627; May 10.
Elder, Donald, Berkeley, Calif. Water regulator. 1,859,357; May 24.
Elder, Donald, Berkeley, Calif. Revolving sprayer. 1,862,180; June 7.
Elder, Donald, Berkeley, Calif. Hose spray nozzle. 1,873,321; Aug. 23.
Elder and Elder Nurseries. (See Elder, William R., assignor.)
Elder, Frank R., and A. E. Bailey, jr., Schenectady, and H. B. La Roque, Scotia, N. Y., assignors to General Electric Company. Motor control system. 1,847,934; Mar. 1.
Elder, George, Lawrenceburg, Ind. Suspender. 1,843,507; Feb. 2.
Elder, John D., Catonsville, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Mold for making cork slabs. 1,839,209; Jan. 5.
Elder, John G., Harrisville, W. Va. Hub puller. 1,873,322; Aug. 23.
Elder Mfg. Company. (See Ellen, Joseph, assignor.)
Elder, Parham M., and C. L. Orton, Portland, Oreg. Knife and knife holding means for veneer lathes. 1,857,446; May 10.
Elder, Thomas W., jr., Brooklyn, and A. Kassler, assignors to American Car and Foundry Company, New York, N. Y. Hopper car door operating mechanism. 1,876,404; Sept. 6.
Elder, William R., assignor to Elder and Elder Nurseries, Indianapolis, Ind. Freesia. Pl. Pt. No. 17; May 24.
Elderkin, Paul N., Los Angeles, Calif. Testing motors. 1,882,487; Dec. 27.
Eldred, Byron E., New York, N. Y. Casting molten metals. 1,868,095; July 19.
Eldred, Byron E., New York, N. Y. Electrical transmission of messages. 1,870,989; Aug. 9.
Eldred, Byron E., New York, N. Y., and H. C. Snook, Summit, N. J., to said Eldred assignor to said Snook. Casting ingots. 1,892,044; Dec. 27.
Eldred, Merritt G., Ontariolville, Ill., assignor to American Reenforced Paper Company, Attleboro, Mass. Beehive cover. 1,871,595; Aug. 16.
Eldredge, Clyde T., Mill Valley, Calif. Sightometer. 1,868,597; July 26.
Eldredge, Fayette R., Providence, G. W. Newman, Norwood, and J. B. Phillips, Riverview, R. I.; M. C. Newman, administratrix of said G. W. Newman, deceased; assignors to General Fire Extinguisher Company, Providence, R. I. Metal cutting machine. 1,862,668; June 14.
Eldredge, Murray C. (See Parks, R. C., and Eldredge.)
Eldredge, Murray C., Chicago, Ill. Cutting or marking tool. 1,865,242; June 28.
Eldridge, Dock, Newfoundland, Ky. Pinless clothesline. 1,882,126; Oct. 11.
Eldridge, Jess G. (See Keys, W. C., Steiner, and Eldridge.)
Eldridge, Jess G. (See Steiner, H. W., Eldridge, and Keys.)
Eldridge, Jess G., Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Yielding connection. 1,872,259; Aug. 16.
Electric Corporation, The. (See Kincannon, Leo T., assignor.)
Electrecorder Corporation. (See Hodge, Edward A., assignor.)
Electric Alarm Co., The. (See Myers, Frank W., assignor.)
Electric Alarm Co., The. (See Rupert, Richard, assignor.)
Electric Arc Cutting & Welding Company. (See Holslag, Claude J., assignor.)
Electric Arc Cutting & Welding Company. (See Holslag, C. J., and Swanhuis, assignors.)
Electric Auto-Lite Company, The. (See Eaton, Harrison H., assignor.)
Electric Auto-Lite Company, The. (See Ehrlich, Louis B., assignor.)
Electric Auto-Lite Company, The. (See Schneider, W. G., and Eaton, assignors.)
Electric Boat Company. (See Griesbaher, Hugo E., assignor.)
Electric Boat Company. (See Nibbs, Ernest, assignor.)
Electric Boat Company. (See Ward, William, assignor.)

Electric Cachometer Corporation, The. (See Smith, Merle L., assignor.)
Electric Controller & Manufacturing Company. (See Wilcox, Harry L., assignor.)
Electric Controller & Manufacturing Company. (See Wright, David C., assignor.)
Electric Fruit Marking Co. (See Ahlburg, Frank, assignor.)
Electric Furnace Company, The. (See Baily, Thaddeus F., assignor.)
Electric Furnace Company, The. (See Cope, Frank T., assignor.)
Electric Furnace Company, The. (See Cope, F. T., and Vaughan, assignors.)
Electric Household Utilities Corporation. (See Hume, John T., assignor.)
Electric Machinery Manufacturing Company. (See Swanson, E. W., and Hedenstrom, assignors.)
Electric Machinery Manufacturing Company. (See Swanson, E. W., and Swanstrom, assignors.)
Electric Progress Company. (See Sporn, P., and Freitag, assignors.)
Electric Railway Improvement Company, The. (See Cadwell, Charles A., assignor.)
Electric Railway Improvement Company, The. (See White, William A., assignor.)
Electric Separation Company. (See Cage, John M., assignor.)
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Electric Service Supplies Company. (See McFarlin, John R., assignor.)
Electric Smelting & Aluminum Company, The. (See Guernsey, Fay H., assignor.)
Electric Smelting & Aluminum Company, The. (See Guertler, William M., assignor.)
Electric Smelting & Aluminum Company, The. (See Scheidt, Alfred W., assignor.)
Electric Smelting & Aluminum Co., The. (See Simpson, William J., assignor.)
Electric Sorting Machine Company. (See Hanson, Martin C., assignor.)
Electric Spraying Company, The. (See Deutsch, Simon, assignor.)
Electric Steam Generators, Inc. (See Peterson, Robert E., assignor.)
Electric Steel Foundry Company. (See Gorbutt, Sidney B., assignor.)
Electric Steel Foundry Company. (See Nourse, Walter H., assignor.)
Electric Steel Foundry Company. (See Wickes, Powers A., assignor.)
Electric Steel Foundry Company. (See Younie, Lewis E., assignor.)
Electric Storage Battery Company, The. (See Bridge, Ellis H., assignor.)
Electric Storage Battery Company, The. (See Hagspihl, Paul, assignor.)
Electric Tamper & Equipment Company. (See Haas, Joseph F., assignor.)
Electric Tamper & Equipment Company. (See Love, Nelson R., assignor.)
Electric Vacuum Cleaner Company. (See Carson, Jesse L., assignor.)
Electric Vacuum Cleaner Company. (See Lang, Henry T., assignor.)
Electric Welding Company. (See Bishop, Donald B., assignor.)
Electric Welding Company of America, The. (See Schenker, Abraram W., assignor.)
Electrical Development Corporation. (See Guttman, Harry J., assignor.)
Electrical Engineers Equipment Co. (See Christensen, Christen, assignor.)
Electrical Engineers Equipment Co. (See Hoye, Peder B., assignor.)
Electrical Engineers Equipment Company. (See Starr, James M., assignor.)
Electrical Products Associates. (See Joost, William E., assignor.)
Electrical Research Products Inc. (See Chapman, Shelby, C., assignor.)
Electrical Research Products Inc. (See Crowley, John C., assignor.)
Electrical Research Products Inc. (See Hibbard, Frank H., assignor.)
Electrical Research Products Inc. (See Hopper, Francis L., assignor.)
Electroacustic Gesellschaft mit beschrinkter Haftung. (See Hecht, Heinrich, assignor.)
Electroacustic Gesellschaft mit beschrankter Haftung. (See Hecht, H., and John, assignor.)
Electroacustic Gesellschaft mit beschrankter Haftung. (See Hecht, H., and Rudolph, assignors.)
Electroacustic Gesellschaft mit beschrankter Haftung. (See Rudolph, Wilhelm, assignor.)
Electro-Alloys Company, The. (See Whyte, William C., assignor.)
Electro Anti-Corrosion Corporation. (See Kirkaldy, Alexander, assignor.)
Electroblacks, Inc. (See Jakosky, John J., assignor.)
Electro Company. (See McWhorter, Purnal L., jr., assignor.)
Electrodor Company, The. (See Hill, Glenn G., assignor.)
Electrogaz, S. A. (See Jeanneret, Bernard H., assignor.)
Electrogear Corporation. (See Neuland, Alfons H., assignor.)
Electrolux Corporation. (See Bilde, Tord E. D., assignor.)
Electrolux Corporation. (See Carlstedt, Fredrik, assignor.)
Electrolux Corporation. (See Ell, Lars, assignor.)
Electrolux Corporation. (See Engberg, A. O., and Bilde, assignors.)
Electrolux Corporation. (See Engberg, A. O., and Ell, assignors.)
Electrolux Corporation. (See Eriksson-Jons, Anders, assignor.)
Electrolux Corporation. (See Karlström, F. J. R., and Nord, assignors.)
Electrolux Servel Corporation. (See Knight, Donald B., assignor.)
Electrolux Servel Corporation. (See Lenning, Alvar, assignor.)
Electrolux Servel Corporation. (See Maiuri, G., and Bossini, assignors.)
Electrolux Servel Corporation. (See Munters, Carl G., assignor.)
Electrolux Servel Corporation. (See Pierce, Harry C., assignor.)
Electrolux Servel Corporation. (See Randel, Bo Folke, assignor.)
Electrolux Servel Corporation. (See Sellman, Folke E., assignor.)
Electrolux Servel Corporation. (See Tandberg, John G., assignor.)
Electrolux Servel Corporation. (See Taylor, Robert S., assignor.)
Electrolux Servel Corporation. (See von Platen, Baltzar C., assignor.)
Electrolux Servel Corporation. (See von Platen, B. C., and Munters, assignors.)
Electrolux Servel Corporation. (See Wessblad, Karl A., assignor.)
Electro Magnetic Sound Corporation. (See Chipman, Harry E., assignor.)
Electromaster, Inc. (See Noble, Warren, assignor.)
Electromaster, Inc. (See Noble, W., and Welcome, assignors.)
Electro-Matic Mfg. Co. Inc. (See Rowe, Walter T., assignor.)
Electro-Matic Scale Eliminator, Inc. (See Daum, Herman H., assignor.
Electromatic Typewriters, Inc. (See Crumrine, Chester W., assignor.)
Electromatic Typewriters, Inc. (See Thompson, Russell G., assignor.)
Electromatic Typewriters, Inc. (See Thompson, R. G., and Crumrine, assignors.)
Electro Metallurgical Company. (See Case, Philip S., assignor.)
Electro Metallurgical Company. (See George, Harry S., assignor.)
Electro Metallurgical Company. (See Heath, Chester S., assignor.)
Electro Metallurgical Company. (See Kinzel, Augustus B., assignor.)
Electro Metallurgical Company. (See Marshall, James G., assignor.)
Electro Metallurgical Company. (See Read, William C., assignor.)
Electro Metallurgical Company. (See Udy, Marvin J., assignor.)
Electro-Motive Company, The. (See Dilworth, Richard M., assignor.)
Electrons, Inc. (See Meyer, F., Spanner, and Germer, assignors.)
Electrons, Inc. (See Spanner, Hans J., and Doering, assignors.)
Electrons, Inc. (See Von Wedel, Carl J. R. H., assignor.)
Electro-Therapy Products Corporation. (See Howard, Earl A., assignor.)
Elektrizitats-Actien-Gesellschaft vorm. W. Lahmeyer & Co. (See Büttow, Walter, assignor.)
Elektrizitatsgesellschaft "Sanitas" m. b. H. (See Feisstly, Robert, assignor.)
Elektrizitatsgesellschaft "Sanitas" m. b. H. (See Kunze, Werner, assignor.)
Elektrotechnische Fabrik Schmidt & Co. Gesellschaft m. b. H. (See Rathmann, Paul, assignor.)
Elevator Supplies Company. (See Bassett, Cyrus W., assignor.)
Elevator Supplies Company. (See Bassett, C. W., and Fear, assignors.)
Elevator Supplies Company. (See Fear, Harold J., assignor.)
Elevator Supplies Company. (See Miles, William C., assignor.)
Elevator Supplies Company. (See Shonnard, Harold W., assignor.)
Elevator Supplies Company. (See Shonnard, H. W., and Richardson, assignors.)
Elfers, Paul A., assignor to The Fisher Governor Company, Marshalltown, Iowa. Pilot pressure control. 1,840,228; Jan. 5.
Elfes, Harold L., assignor to Motor Products Corporation, Detroit, Mich. Oil cooling device. 1,876,648; Sept. 13.

Elger, Franz, Basel, Switzerland, assignor to Hoffmann-LaRoche Inc., Nutley, N. J. Manufacture of protocatechuic aldehyde and its substitution products. 1,891,149; Dec. 13.

Elgin National Watch Co. (See Malvern, Lewis K., assignor.)

Elias, Nathaniel M., New York, N. Y. Insulating and sound proofing materials. 1,842,083; Jan. 19.

Eliasoff, Abraham L., New York, N. Y. Electrically illuminated tool device. 1,842,471; Jan. 26.

Elié, Jean N. J., Tananarive, Madagascar. Separation of solid substances. 1,869,241; July 26.

Eliggi, Bartolomeo, San Francisco, Calif. Signaling device. 1,845,866; Feb. 16.

Eliggi, Bartolomeo, and L. Lorenzi, San Francisco, Calif. Signal. 1,878,122; Sept. 20.

Elite Manufacturing Company. (See Burkholder, John H., assignor.)

Elite Manufacturing Company, The. (See Prentice, William G., assignor.)

Elite Manufacturing Company, The. (See Prentice, William G., and Copeland, assignors.)

Elivirdy, Elisha, Chicago, Ill. Amusement device. 1,886,385; Nov. 8.

Elkes, Julius, et al. (See Tuzzo, Nicholas, assignor.)

Elkhart Brass Manufacturing Company. (See Hansen, Albert E., assignor.)

Elkin, Newton, Philadelphia, Pa. Shoe. Des. 86,881; May 3.

Elkin, Newton, Philadelphia, Pa. Shoe and manufacturing same. 1,843,271; Feb. 2.

Elkin, Newton, Philadelphia, Pa. Outer sole and preparing the same. 1,877,164; Sept. 13.

Elkington, James E., San Francisco, Calif. Dish washing machine. 1,855,344; Apr. 26.

Elkington, James E., San Francisco, Calif. Dishwashing machine. 1,878,635; Sept. 20.

Elkins, Arthur B., assignor of one-half to James M. Newman, Houston, Tex. Telephone system. 1,887,588; Nov. 15.

Elkins, Phillip D., Houston, Tex. Coupling. 1,891,874; Dec. 20.

Elkins, William M., Winchester, Ind. Lathe attachment. 1,862,007; June 14.

Elko Chemical Company. (See Hand, Carl N., assignor.)

Elkonin, Aaron, San Pedro, Calif. Clock face. Des. 88,638; Dec. 13.

Ell, Lars. (See Engberg, A. O., and Ell.)

Ell, Lars, Stockholm, Sweden, assignor, by mesne assignments to Electrolux Corporation. Vacuum cleaner. 1,849,270; Jan. 26.

Ell, Lars, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Suction cleaner nozzle. 1,849,315; Mar. 15.

Ell, Lars, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,866,154; July 5.

Ellberg, Jack, New York, and M. Cronwall, Brooklyn, N. Y. Relief valve for heating systems. 1,848,703; Mar. 8.

Elledge, Harvey G. (See Church, J. W., and Elledge.)

Ellen, Samuel. (See Zullig, Emil G., assignor.)

Ellenberger, Clarence M., Indianapolis, Ind., assignor to Lyon Cover Company, Detroit, Mich. Tire cover. 1,886,270; Nov. 1.

Eller, Wilhelm. (See Holfstadt, R., and Eller.)

Eller, Wilhelm. (See Meyer, H., and Eller.)

Ellerbeck, William L., and G. A. Steiner, Salt Lake City, Utah. Combined garment and supporter. 1,876,282; Sept. 6.

Ellerby, Alfred, Los Angeles, Calif. Windshield-wiper holder. 1,866,402; July 5.

Ellery, Arthur B., Akron, Ohio. Pad. 1,843,947; Feb. 9.

Elliff, James B. (See Crowley, William H., assignor.)

Elling, William E., Long Island City, N. Y. Foldable or collapsible boat. 1,868,280; July 19.

Ellinger, Albert E., Snyder, assignor to Morris Goldstein, Buffalo, N. Y. Mechanism for selectively controlling the angular movement of a shaft. 1,871,672; Aug. 16.

Ellinger, Flora, Milwaukee, Wis. Curtain support. 1,856,752; May 3.

Ellinger, Phillip, and A. Hirt, Heidelberg, assignors to the Firm Carl Zeiss, Jena, Germany. Method and device for microscopically viewing living objects. 1,881,348; Dec. 20.

Ellingham, Robert W., Springfield, assignor to Fleming Machine Company, Worcester, Mass. Making a carbon cleaning brush. 1,874,475; Aug. 30.

Ellinson, Elling, San Francisco, Calif. Doorknob. 1,840,706; Jan. 12.

Ellingson, Elling, San Francisco, Calif. Master-key lock. 1,845,867; Feb. 16.

Ellingson, Elling, San Francisco, Calif. Door knob locking device. 1,845,963; Feb. 16.

Ellingson, Elling, San Francisco, Calif. Locking mechanism. 1,876,885; Sept. 13.

Ellingson, William M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,871,262; Aug. 9.

Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 87,252; June 28.

Elliot, William S., Northampton, Mass., and F. A. Parkhurst, Bethesda, Md., assignors, by mesne assignments, to Pro-Phy-Lac-Tic Brush Company, Wilmington, Del. Blank cutting machine. 1,880,935; Oct. 4.

Elliott Addressing Machine Company. (See Elliott, Harmon P., assignor.)

Elliott, Alexander D., Chicago, Ill. Fabric holding device. 1,856,244; May 3.

Elliott, Andrew, et al. (See Javins, Harry A., assignor.)

Elliott, Benjamin L., Berry Township, Brown County, Ohio. Parachute. 1,872,705; Aug. 23.

Elliott, Bert E., et al. (See Ferguson, Robert O., assignor.)

Elliott Brothers (London) Limited. (See Griffith, A. A., Kerr, and Meredith, assignors.)

Elliott, Charles H. and H. K., St. Paul, Minn. Switch actuating mechanism. 1,866,994; July 12.

Elliott Company. (See Eccleston, R. C., and Nippes, assignors.)

Elliott Company. (See Ehrhart, Raymond N., assignor.)

Elliott Company. (See Good, Paul E., assignor.)

Elliott Company. (See McDermet, John R., assignor.)

Elliott Core Drilling Company. (See Grainger, Reid B., assignor.)

Elliott, Edna L., Columbus, N. Mex. Cigarette mentholator. 1,859,731; May 24.

Elliott Fisher Company. (See Cope, E. T., Parkinson, and Price, assignors.)

Elliott-Fisher Company. (See Davis, Frank K., assignor.)

Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)

Elliott-Fisher Company. (See Kurowski, Alfred G. F., assignor.)

Elliott-Fisher Company, The. (See Lentz, Lawrence E., assignor.)

Elliott-Fisher Company. (See Lippert, Walter E., assignor.)

Elliott-Fisher Company. (See Pitman, Henry L., assignor.)

Elliott-Fisher Company. (See Steele, Herbert H., assignor.)

Elliott-Fisher Company. (See Thieme, Otto, assignor.)

Elliott-Fisher Company. (See Walter, Edward C., assignor.)

Elliott, Frank M. (See Ferguson, Robert O., assignor.)

Elliott, Harmon P., Watertown, Mass. Making stencil frames. 1,867,899; July 12.

Elliott, Harmon P., Watertown, Mass. Stencil making method and apparatus. 1,872,130; Aug. 16.

Elliott, Harmon P., Watertown, Mass. Addressing machine. 1,880,931; Oct. 4.

Elliott, Harmon P., Watertown, Mass. Electrotype printing roll for addressing machines. 1,880,932; Oct. 4.

Elliott, Harmon P., Watertown, Mass. Stencil printing machine. 1,883,643; Oct. 18.

Elliott, Harmon P., Watertown, Mass., assignor to Elliott Addressing Machine Company. Grooved stencil card. 1,874,476; Aug. 30.

Elliott, Harold E. (See Ricks, F., and Elliott.)

Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,846,480; Feb. 23.

Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Stable receiving system. 1,841,019; Jan. 12.

Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Stabilized radio circuits. 1,841,281; Jan. 12.

Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selective radio receiver. 1,850,831; Mar. 22.

Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radioreceiving system. 1,867,214; July 12.

Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Stabilized amplifier system. 1,868,162; July 19.

Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. High frequency tuning system. 1,880,933; Oct. 4.

Elliott, Harold F., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Adjustment control and indicator. 1,841,941; Jan. 19.

Elliott, Harold K. (See Elliott, Charles H. and H. K.)

Elliott, Henry, Hillhead, Glasgow, Scotland. Latch device. 1,851,129; Apr. 5.

Elliott, Irwin, Harmon, assignor to Williams Oven Mfg. Co., New York, N. Y. Device for placing pie trays onto or removing them from a traveling oven. 1,874,699; Aug. 30.

Elliott, James A., assignor of one-third to F. T. Hillman and one-third to L. A. Dolan, Seattle, Wash. Swinging bucket line excavator. 1,859,659; May 24.

Elliott, John G., Detroit, Mich. Wrecking bar hammerhead attachment. 1,851,697; Mar. 29.

Elliott, Joseph M., and A. Norbom, assignors to The Cincinnati Car Corp., Cincinnati, Ohio. Truck for high speed interurban cars. 1,885,090; Oct. 25.

Elliott, Lloyd B., assignor to Atlas Indicator Works, Incorporated, Chicago, Ill. Game board. Des. 86,562; Mar. 22.

Elliott, Morgan W. (See Flynn, J. E., and Elliott.)

Elliott, Ralph M., assignor of one-fifth to C. W. Lee, one-fifth to E. A. Arntson, one-fifth to M. W. Rice, and one-fifth to A. Goetz, Minneapolis, Minn. Container for confectionery and other goods. 1,347,301; Mar. 1.

Elliott, Seth L., Marine, Ill. Wrench. 1,859,387; May 24.

Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Hull extractor. 1,880,934; Oct. 4.

Elliott, William A., Brickeys, Ark. Agricultural implement. 1,849,322; Mar. 15.

Elliott, William C., Minco, Okla. Pulsating pressure stabilizer. 1,855,880; Apr. 26.

Ellis Adding Typewriter Company. (See Bernau, Frederick W., assignor.)

Ellis Adding Typewriter Company. (See Ens, Emil J., assignor.)

Ellis Adding Typewriter Company. (See Perkins, Nathan W., assignor.)

Ellis, Arthur H., assignor of one-half to Rochester Appliance Company, Rochester, Minn. Automobile signal. 1,844,948; Feb. 16.

Ellis, Arthur L., New Rochelle, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Machine tool. 1,868,697; July 26.

Ellis, Arthur L., New Rochelle, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism. 1,882,004; Oct. 11.

Ellis, Carleton. (See Blyth, J. F., and Ellis.)

Ellis, Carleton. (See Nolan, Harold O., assignor.)

Ellis, Carleton, Montclair, N. J. Synthetic resin and making same. 1,846,853; Feb. 23.

Ellis, Carleton, Montclair, N. J. Water and fire resistant coated material. 1,852,998; Apr. 5.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Urea resin product and making same. Re18,270; Mar. 1.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Glyceride resin and producing same. 1,842,569; Feb. 2.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Synthetic resin product of low acidity and making same. 1,843,870; Feb. 2.

Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to Rezyl Corporation, New York, N. Y. Noncurling floor covering. 1,848,329; Mar. 8.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making synthetic ammonia from petroleum refinery by-products. 1,864,717; June 28.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Motor spirit containing metallo organic catalyzer and self-made anti-knocking compounds and making same. 1,864,944; July 19.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Oxidized resinous product and making same. 1,872,568; Aug. 16.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Fusible plastic and making same. 1,876,886; Sept. 13.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Nitrocellulose cement. 1,877,717; Sept. 13.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Keratin enameling composition. 1,878,477; Sept. 20.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Alcohol-solubilized nitrocellulose and making same. 1,883,044; Oct. 18.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Product made from mica splittings and making same. 1,883,045; Oct. 18.

Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Finish remover composition adapted to remove nitrocellulose coatings. 1,884,632; Oct. 25.

Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Paint, varnish and lacquer remover. 1,884,633; Oct. 25.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Compositions containing a synthetic resin or balsam. 1,886,245; Nov. 1.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Rapid drying synthetic resins. 1,892,425; Dec. 27.

Ellis, Charles E., jr. (See Hughes, D. W., and Ellis.)

Ellis, Charles J., assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Magnetic brake. 1,866,552; July 12.

Ellis, Charles J., assignor, by mesne assignments, to The Cincinnati Car Corporation, Cincinnati, Ohio. Car truck. 1,866,591; July 12.

Ellis, Charles L., Bradford Hills, assignor to Downingtown Manufacturing Company, Downingtown, Pa. Board machine. 1,879,143; Sept. 27.

Ellis, Clem D., Bucklin, Kans. Thresher. 1,844,750; Feb. 9.

Ellis, Daniel S., Hackensack, N. J. Locomotive crosshead and guide construction. 1,891,973; Dec. 27.

Ellis, Delbert, Turtle Creek, Pa., assgnor to Westinghouse Electric & Manufacturing Company. Arc box. 1,869,552; Aug. 2.

Ellis-Foster Company. (See Bradley, Theodore F., assignor.)

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Ellis-Foster Company. (See Lougovoy, Boris N., assignor.)

Ellis, Frank E., assignor to New England Fibre Blanket Company, Worcester, Mass. Printer's blanket. 1,856,798; Apr. 26.

Ellis, George, St. Catharines, Ontario, Canada, assignor to Niagara Falls Smelting & Refining Corporation, Buffalo, N. Y. Contact finger for electrical controllers and switches. 1,892,045; Dec. 27.

Ellis, George D., and Sons, Incorporated. (See Milliken, Elmer F., assignor.)

Ellis, George D., & Sons, Incorporated. (See Taylor, Herbert K., assignor.)

Ellis, George H. (See Dreyfus, H., Ellis, Ockman, and Olpin.)

Ellis, George H. (See Mosby, D. H., Olpin, and Ellis.)

Ellis, George H., assignor to The Insulite Company, Minneapolis, Minn. Building construction. 1,861,740; June 7.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Making waterproof insulating bodies. 1,839,660; Jan. 5.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Separating wood fibers. 1,850,832; Mar. 22.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Building material. 1,857,534; May 10.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Building material. 1,858,217; May 10.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Machine and process for making laminated products. 1,879,797; Sept. 27.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of cellulose derivatives. 1,840,572; Jan. 12.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of textiles. 1,867,660; July 19.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose derivatives. 1,874,176; Aug. 30.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose derivatives. 1,874,177; Aug. 30.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials containing natural silk. 1,882,070; Oct. 11.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of azo dyestuffs. 1,883,356; Oct. 18.

Ellis, George H., H. G. Olpin, and E. E. Walker, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of cellulose derivatives. 1,846,359; Feb. 9.

Ellis, George H., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloring of cellulose derivatives. 1,871,673; Aug. 16.

Ellis, George H., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture or treatment of textile or other material. 1,889,643; Dec. 13.

Ellis, Harold E. (See Williams, F. T., and Ellis.)

Ellis, Herbert L., assignor to E. Blair, New York, N. Y. Thermostat switch and plug construction. 1,860,999; May 31.

Ellis, Howard G., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Last support. 1,852,802; Apr. 5.

Ellis, Hubert C., Evanston, Ill. Door for cylindrical receptacles. 1,883,646; Oct. 18.

Ellis, Hugh J., Berwyn, Ill. Microphone. 1,878,271; Sept. 20.

Ellis, Joseph P. (See Nohr, Allen, assignor.)

Ellis, Leo A., Brooklyn, N. Y. Apparatus for handling tires. 1,885,809; Nov. 1.

Ellis, Lockwood B., assignor to General Motors Corporation, Detroit, Mich. Internal combustion engine. 1,849,000; Mar. 8.

Ellis, Lockwood B., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Thermostatically controlled crankcase ventilating inlet. 1,869,553; Aug. 2.

Ellis Manufacturing Co. (See Ellis, Rex, assignor.)

Ellis, Owen W., Toronto, Ontario, Canada. Alloy. 1,878,686; Sept. 20.

Ellis, Owen W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 1,869,554; Aug. 2.

Ellis, Rex, assignor to Ellis Manufacturing Co., Pendleton, Oreg. Air cleaner and valve oiler. 1,842,663; Jan. 26.

Ellis, Robert H., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Control system. 1,851,760; Mar. 29.

Ellis, Walter J., Indianapolis, Ind. Suspenders. 1,873,831; Aug. 23.

Ellis, Warner C., Flint, Mich. Store. 1,882,488; Oct. 11.

Ellis, William C., Rockville Center, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Continuously loaded conductor. 1,868,315; July 19.
Ellis, William H., jr., Glendale, Ohio. Indented paper. 1,863,973; June 21.
Ellison, August J., Detroit, Mich. Illuminated spirit level. 1,839,661; Jan. 5.
Ellison, Edward H., Jamestown, N. Y., assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Making sash sustainers. 1,858,821; May 17.
Ellison, Frank H., Brooklyn, N. Y. Indexed book. 1,866,968; July 12.
Ellison, Harry C., Lakewood, Ohio, assignor, by mesne assignments, to Republic Steel Corporation. Handling and transporting wire for bolt making machines. 1,859,585; May 24.
Ellison, Harry C., Lakewood, Ohio, assignor, by mesne assignments, to Republic Steel Corporation. Machine for threading bolts and the like objects. 1,864,235; June 21.
Ellison, John C., Chicago, Ill. Hood lock. 1,870,360; Aug. 9.
Ellison, Lewis M., Chicago, Ill. Pressure indicator. 1,857,367; May 10.
Ellison, Luther A., Topeka, Kans. Route file. 1,883,647; Oct. 18.
Ellison, Melvin I. (See Gewecke, J. G., Ellison, and Menking.)
Ellston, Harold H., Independence, Kans. Evaporating apparatus. 1,857,535; May 10.
Elliothorpe, Clarence D., Springfield Gardens, assignor to Duplex Electric Company, New York, N. Y. Vault ventilator mechanism. 1,861,000; May 31.
Elliothorpe, Clarence D., Springfield Gardens, Long Island, assignor, by Duplex Electric Company, New York, N. Y. Metal refinisher. 1,871,674; Aug. 16.
Elman, Louis, Pittsburgh, Pa., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,870,615; Aug. 9.
Elms, Edward H. (See Miller, S. P., and Elms.)
Elms, Edward H., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Dehydration and distillation of tar. 1,857,596; Aug. 16.
Elms, Edward H., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,883,642; Oct. 18.
Elluer, Hans, Stuttgart, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Concentrated solutions for dyeing purposes. 1,870,498; Aug. 9.
Elor, James B., assignor to Rolls-Royce Limited, Derby, England. Air intake for engines. 1,851,500; Mar. 29.
Elstrom, George O., University City, Mo., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Chain conveyer transfer slide. 1,858,765; May 17.
Elsworth, Nellie S., San Francisco, Calif. Container. Des. 88,732; Dec. 20.
Elsworth, Ross J., Woodstock, Ill. Recess bed mounting. 1,863,194; June 14.
Elsworth, Ross J., assignor to Holmes Disappearing Bed Company, Woodstock, Ill. Recess bed. 1,885,999; Nov. 1.
Elsworth, Ross J., assignor to Holmes Disappearing Bed Company, Woodstock, Ill. Recess bed. 1,886,000; Nov. 1.
Elyson, Frederich W., St. Polten, Austria. Tube receptacle with automatic closure. 1,878,833; Sept. 20.
Elsey, Esco F., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Colloidal mono sodium tetraiodophenolphthalein. 1,858,142; May 10.
Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Producing magnetic bodies. 1,840,352; Jan. 12.
Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heat treatment of conductors. 1,841,097; Jan. 12.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,864,954; June 28.
Elmendorf, Armin, Chicago, Ill., assignor to The Flexwood Company, Gluing wet veneers to backings and drying them. 1,864,812; June 28.
Elmendorf, Armin, Chicago, Ill., assignor to The Flexwood Company. Flattening flexible sheets faced with wood. 1,871,447; Aug. 16.
Elmenthaler, William, Cleveland Heights, Ohio. Protector device. 1,842,512; Jan. 26.
Elmer, Lloyd A., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motion picture apparatus. 1,852,743; Apr. 5.
Elmer, Lloyd A., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph record and reproducer arms. 1,866,403; July 5.
Elmer, William, Philadelphia, Pa. Work car for railways. 1,846,095; Feb. 23.
Elmiger, Hans, St. Louis, Mo. Manufacturing corrugated plastic board. 1,887,923; Nov. 15.
Elmore, Roscoe C., Colfax, Ind. Litter clearer for a furrowing device. 1,846,323; Feb. 23.
Elms, John E., assignor to A. R. Thomasson, Dallas, Tex. Piston. 1,854,465; Apr. 19.
Elmslie, George L. (See Ahlm, C. E. F., and Elmslie.)
Elöd, Egon, Karlsruhe, Germany. Recovery of cocos fibers. 1,882,657; Oct. 18.
Elperin, Mildred C. (See Kaplan, R. C., and Elperin.)
Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Clutch quieting means. 1,843,712; Feb. 2.
Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. High speed motor. 1,880,936; Oct. 4.
Else, Harry D., and C. R. Libby, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company. Clutch quieting means. 1,873,561; Aug. 23.
Elsen, Albert E., East St. Louis, Ill. Traversing machine gun mounting. 1,856,987; May 3.
Elsenhans, Albert, Essen, Germany. Tool for dressing the grindstones in sugar grinding. 1,871,448; Aug. 16.
Elsey, George W. (See Chryst, W. A., and Elsey.)
Elsey, George W., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Double acting shock absorber. 1,856,753; May 3.
Elsey, George W., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,865,460; July 5.
Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Valve mechanism. 1,871,969; Aug. 16.
Elsey, Howard M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carbonizing metals. 1,851,573; Mar. 29.
Elsey, Howard M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carbonized electrode and process same. 1,862,138; June 7.
Elsey, Howard M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carbonizing nickel or other metals. 1,880,937; Oct. 4.
Elsey, Howard M., Oakmont, and A. T. Koch, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Coating for thermionic devices. 1,870,003; Aug. 2.
Elsey, Howard M., Oakmont, and L. R. Philpott, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Facsimile transmitter. 1,874,666; Sept. 13.
Elsing, Morris J., Tucson, Ariz. Mining. 1,842,664; Jan. 26.
Elsner, Heinrich, Dresden, Germany. Riveting machine. 1,859,081; May 17.
Elssner, Richard. (See Bitter, J. L., and Elssner.)
Elssner, Richard, Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Evenness of shrinkage. 1,867,044; July 12.
Elssner, Richard, Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Drying process. 1,867,045; July 12.
Elssner, Richard, Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Drying of artificial filaments. 1,867,046; July 12.
Elssner, Richard, and R. H. Carter, Johnson City, Tenn., assignors to American Glanzstoff Corporation, New York, N. Y. Spool and holder therefor. 1,885,192; Nov. 1.
Elssner, Richard, and R. H. Carter, Johnson City, Tenn., assignors to American Glanzstoff Corporation, New York, N. Y. Hermetic container. 1,885,628; Nov. 15.
Elston, Arthur A. (See Martin, L. F., and Elston.)
Elston, Arthur E., Denver, Colo. Lifting jack. 1,870,244; Aug. 9.
Elston, Frank E., et al. (See Foti, Charles, assignor.)
Elston, William H., Marietta, Ohio. Nail bin. 1,890,845; Dec. 13.
Elting, August O., Chicago, Ill. Making tubing. 1,890,077; Dec. 6.
Elton, Alvin K. (See Evans, J. D., and Elton.)
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch movement. 1,844,645; Feb. 9.
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch movement. 1,844,646; Feb. 9.
Elwell, George H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Loop slide buckle. 1,854,544; Apr. 19.
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,861,178; May 31.
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric lamp socket. 1,878,387; Sept. 20.
Elwell, George H., assignor to Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,882,245; Oct. 11.
Elwell, Guy R. (See Sieber, J. R., and Elwell.)
Elwell, Jay H., assignor to Sol D. Golby, Chicago, Ill. Machine for feeding and collecting sheets of paper or the like. 1,865,750; July 5.
Elwell-Parker Electric Company, The. (See Abbe, Edward J., assignor.)
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Elwell Parker Electric Company, The. (See Parker, Waveard D., assignor.)
Elwell-Parker Electric Company. (See Towson, Morris S., assignor.)
Elwert, George, Barren Hill, Pa. Nut lock. 1,880,124; Sept. 27.
Ely, Hiram B., New York, N. Y. Ear mask. 1,873,864; Aug. 23.

Ely, John W., jr., Cresskill, N. J. Fixture switch. 1,845,079 ; Feb. 16.
Ely, Oscar L. Dorchester, Mass. Golf game. 1,851,423 ; Mar. 29.
Ely, William N., jr., Gwynedd Valley, Pa. Fence guard. 1,888,030 ; Nov. 15.
Elyria Telephone Company, The. (See Geitgey, Irvin, assignor.)
Elzemeyer, Edwin E., and H. C. Griesedieck, Webster Groves, assignor to American Pulverizer Company, St. Louis, Mo. Pulverizing or crushing machine. 1,862,889 ; June 14.
Elzey, Charles L., Baltimore, Md. Shirt guard. 1,872,260 ; Aug. 16.
Emana, Louis, Willmar, Minn. Portable hot water heater. 1,884,634 ; Oct. 25.
Emanueli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Impregnating insulating materials. 1,869,308 ; July 26.
Emanueli, Luigi, assignor to Societa Italiana Pirelli, Milan, Italy. Metallic oil-filled high tension electric cable. 1,883,648 ; Oct. 18.
Embalmers Supply Company, The. (See Ochs, Henry R., assignee.)
Embery, Vernon L. (See Hymer, R. T., and Embery.)
Embly, James L., assignors of one-half to H. H. Shockey, Waynesboro, Pa. Siphon valve. 1,842,236 ; Jan. 19.
Embosograf Corporation of America. (See Courtenay, Frederick D., assignor.)
Embossing Company, The. (See Thompson, Andrew, assignee.)
Embree, John L., Omaha, Nebr. Radiocabinet. Des. 85,346 ; Nov. 4.
Embree, Lester B., San Francisco, Calif. Key holder. 1,849,080 ; Mar. 15.
Emden, Victor C. (See Hughes, John R., assignor.)
Emens, Arthur L., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,843,387 ; Feb. 2.
Emens, Albert W., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,858,703 ; May 17.
Emerick, John W., Detroit, and W. E. Emerick, Mt. Clemens, Mich. Clam bucket. 1,882,489 ; Oct. 11.
Emerick, William E. (See Emerick, John W., and W. E.)
Emerol Manufacturing Co. (See Pierce, Burt N., assignor.)
Emerol Manufacturing Co. (See Thompson, V. W., and Pierce, assignors.)
Emerson, Alfred H. (See Culver, E., and Emerson.)
Emerson Apparatus Company. (See Emerson, Charles J., assignee.)
Emerson Apparatus Company. (See Jansson, Bennett G., assignor.)
Emerson Apparatus Company. (See Jansson, B. G., and Emerson, assignors.)
Emerson-Brantingham Corporation. (See Macdonald, Robert L., assignor.)
Emerson, Charles J. (See Jansson, B. G., and Emerson.)
Emerson, Charles J., Winchester, assignor to Emerson Apparatus Company, Melrose, Mass. Safety razor. 1,858,322 ; May 17.
Emerson, Charles S., Manchester, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener conditioning machine. 1,882,005 ; Oct. 11.
Emerson Electric Manufacturing Co. (See Persons, Lawrence M., assignor.)
Emerson Electric Mfg. Co., The. (See Persons, Lawrence M., assignor.)
Emerson, George H., Baltimore, Md. Single drum locomotive boiler. 1,869,309 ; July 26.
Emerson, John, assignor to Inland Glass Works, Inc., Chicago, Ill. Molding apparatus. 1,848,467 ; Mar. 8.
Emerson, John, Sutton, England. Machine for producing cinematographic picture effects. 1,853,264 ; Apr. 12.
Emerson Manufacturing Co. (See Kunedt, William J., assignor.)
Emery, Albert H., jr., assignor to Emery-Tatnall Company, Stamford, Conn. Machine for testing the strength of materials. 1,848,468 ; Mar. 8.
Emery, Alexander A., Cincinnati, Ohio. Shear sharpening device. 1,873,636 ; Aug. 23.
Emery, Edgar A., and O. V. Bowden, Dallas, assignors to H. Ashby, Dallas County, Tex. Garment stretching device. 1,841,719 ; Jan. 19.
Emery, Edgar A., and O. V. Bowden, assignors to Brodie H. Ashby, Dallas, Tex. Stretching tubular garments. 1,855,544 ; Apr. 26.
Emery, Elliott G., jr., assignor to Boeing Airplane Company, Seattle, Wash. Airplane. 1,847,237 ; Mar. 1.
Emery, Fred R., San Francisco, Calif. Weed puller. 1,855,477 ; Apr. 26.
Emery, Merrick L. (See Van der Pyl, E., and Stimpson, assignors.)
Emery, Harry A., Roselle Park, N. J., assignor to The Barrett Company, New York, N. Y. Thick butt shingle and making same. 1,852,006 ; Apr. 5.
Emery, Harry A., Roselle Park, N. J., assignor to The Barrett Company, New York, N. Y. Sheet forming apparatus. 1,869,677 ; Aug. 2.
Emery, Irwin M. (See Nordfeldt, C. E., Ahlquist, and Emery.)
Emery, Jay Roy F., assignor to Hamilton-Wade Company, Brockton, Mass. Woven fabric. 1,879,144 ; Sept. 27.
Emery-Tatnall Company. (See Emery, Albert H., jr., assignor.)
Emeth Financial Corporation. (See Eisler, Henry, assignor.)
Emeth Financial Corporation. (See Goodman, Jacob, assignor.)
Embardt, John C., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigmented oil composition and process of inhibiting oxidation thereof. 1,857,274 ; May 10.
Emigh, Harold E., Walden, Colo. Motor driven sleigh. 1,854,041 ; June 21.
Emighoiz, Lawrence F., assignor to Universal Form Clamp Co., Chicago, Ill. Bar support and spacer. 1,841,720 ; Jan. 19.
Emisch, Emil, Magdeburg, Germany. Cowl. 1,862,213 ; June 7.
Emme, Julius F. (See Adsit, F. W., and Emme.)
Emmel, Karl, Mulheim-Ruhr, Germany. Producing castiron of high qualities of strength in a cupola furnace. 1,887,433 ; Nov. 8.
Emmerich, Edward E. (See Scannell, John P., assignor.)
Emmert, John R., Chicago, Ill., assignor to Emil J. Paidar Co. Surgical operating table. 1,854,296 ; Apr. 19.
Emmert, John Russell, Berwyn, assignor to Emil J. Paidar Company, Chicago, Ill. Chiropody chair. 1,868,658 ; July 26.
Emmert, Rodger J., assignor to Delco-Remy Corporation, Dayton, Ohio. Armature winding machine. 1,865,461 ; July 5.
Emmert, Rodger J., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature winding machine. 1,871,970 ; Aug. 16.
Emmert, Rodger J., assignor to General Motors Radio Corporation, Dayton, Ohio. Electrical apparatus. 1,885,596 ; Nov. 1.
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Liquid boiler. 1,873,637 ; Aug. 23.
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Shaft packing. 1,876,515 ; Sept. 6.
Emmet, William L. R., Schenectady, N. Y., assignor to C. G. Abbot, Washington, D. C. Apparatus for utilizing solar heat. 1,880,938 ; Oct. 4.
Emmett, Milton W., Los Angeles, Calif., assignor to Emmett Wrench Company. Wrench. 1,870,326 ; Aug. 9.
Emmett Wrench Company. (See Emmett, Milton W., assignor.)
Emmons, Arthur N., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y. Adjustable portable power handsaw. 1,848,320 ; Mar. 8.
Emmons, Arthur N., assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Lathe. 1,880,939 ; Oct. 4.
Emmons, Joseph V. (See Githens, T. F., and Emmons.)
Emmons, Joseph V., Shaker Heights Village, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Drill and like implement and making same. 1,847,302 ; Mar. 1.
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Drill. 1,859,202 ; May 17.
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Cutting and forming tools, implements and the like. 1,887,372 ; Nov. 8.
Emmons, Joseph V., Shaker Heights Village, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Drill. 1,887,374 ; Nov. 8.
Emmons, Joseph V., Shaker Heights Village, and C. Kuchenbrod, Cleveland Heights, assignors to The Cleveland Twist Drill Company, Cleveland, Ohio. Reamer and the like. 1,887,373 ; Nov. 8.
Emmons, Nelson, jr., et al. (See Emmons, Nelson, 3d, assignor.)
Emmons, Nelson 3d, assignor, by mesne assignments, to N. Emmons, jr., and J. W. Green, Dayton, Ohio. Culinary apparatus. 1,862,181 ; June 7.
Emmons, Nelson, 3d, assignor, by mesne assignments, to Nelson Emmons, jr., and J. W. Green, Dayton, Ohio. Culinary apparatus. 1,882,127 ; Oct. 11.
Emmons, William J. (See Gallagher, B. S., and Emmons.)
Emond, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Adjustable seat. 1,860,612 ; May 31.
Emonet, Eugene A. (See Copenhaver, P. S., Demonet, and Callahan.)
Empacher, William. (See Barnard, D. S., and Empacher.)
Empire Box Corporation. (See Klein, Stanley J., assignor.)
Empire Knitting Mills. (See Bellak, Henry, assignor.)
Empire Level Manufacturing Company. (See Ziemann, Harry J., assignor.)
Empire Oil and Refining Company. (See Canfield, Jesse J., assignor.)
Empire Oil and Refining Company. (See Walker, John C., assignor.)
Emrick, George W., Brooklyn, N. Y. Tap, drill, and similar tool. 1,862,337 ; June 7.
Emrick, George W., Brooklyn, N. Y. Tool adapter. 1,862,352 ; June 7.
Emrick, George W., Brooklyn, N. Y. Chuck device. 1,862,370 ; June 7.

Emsco Derrick & Equipment Company. (See Davidson, William D., assignor.)
Emsco Derrick & Equipment Company. (See Davidson, W. D., and Goeser, assignors.)
Emsco Derrick and Equipment Company, et al. (See Faulkner, David S., assignor.)
Emsco Derrick & Equipment Company. (See Goeser, Edwin W., assignor.)
Emsco Derrick & Equipment Company. (See Rawson, Leslie A. assignor.)
Emsco Derrick and Equipment Company. (See Stevenson, Edward E., assignor.)
Emsco Derrick & Equipment Company. (See Tremolada, Guglielmo, assignor.)
Emulsoids, Inc. (See Knight, Hugh, assignor.)
Enamel Products Company, The. (See Brett, William H., assignor.)
Endscott, Paul S., and A. H. Riney, Bartlesville, Okla. Automatic liquid extractor for vacuum lines and tanks. 1,860,889; May 31.
Enderich, Winfield S. (See Fiegel, W. J., and Enderich.)
Enderlin, John F., and J. E. Ogles, Paducah, Ky. Metallic packing. 1,873,972; Aug. 23.
Enders, Hugo E., Belleville, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,858,295; May 17.
Enders, Hugo, Belleville, assignor to Monroe Calculating Machine Company, Orange, N. J. Automatic multiplication mechanism for calculators. 1,892,614; Dec. 27.
Endicott Johnson Corporation. (See Blair, H. D., and West, assignors.)
Endicott Johnson Corporation. (See Gingell, Harry, assignor.)
Endicott Johnson Corporation. (See Shaw, Estle H., assignor.)
Endowment Foundation. (See Clickner, Forest H., assignor.)
Endres, Herbert A., Lompoc, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Composition of matter and making the same. 1,842,394; Jan. 26.
Endres, Herbert A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber compounds and composition obtained thereby. 1,875,372; Sept. 6.
Endres, Lawrence M., Waunakee, Wis. Tool rest. 1,856,556; Nov. 8.
Endresen, John, Cape May, N. J. Pipe and cigar holder for autos. 1,848,005; Mar. 1.
Endrezze, William E., Butte, Mont. Rear gun sight. 1,852,791; Apr. 5.
Endsley, Louis E. (See Hunter, P. E., and Endsley.)
Endsley, Louis E., Pittsburgh, Pa. Tank car structure. 1,861,677; June 28.
Endsley, Louis J., Chicago, Ill. Cigarette snubber. 1,870,327; Aug. 9.
Endsley, William H., Seguin, Tex. Device for extracting well pipes. 1,875,577; Sept. 6.
Endurable Products Co. (See Smith, James J., assignor.)
Engberg, Axel O., and L. Ell, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Suction cleaner nozzle. 1,852,838; Apr. 5.
Engberg, Axel O., and L. Ell, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Suction cleaner nozzle. 1,852,839; Apr. 5.
Engberg, Axel O., Stockholm, Sweden, and E. Bilde, Berlin-Tempelhof, Germany, assignors, by mesne assignments, to Electrolux Corporation. Suction cleaner nozzle. 1,860,854; May 31.
Engberg, Axel O., and T. E. D. Bilde, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Cleaner. 1,848,659; July 26.
Engberg, Herman C. C., Kearney, Nebr. Illuminated sign. 1,839,786; Jan. 5.
Engberg, Martin J., assignor to Maurice Preston Corporation, Chicago, Ill. Preparing bleaching solution. 1,883,649; Oct. 18.
Engblom, Emil, Caletones, Chile, assignor to Braden Copper Company, New York, N. Y. Smelting of metalliferous material. 1,862,741; June 14.
Engblom, Emil, Caletones, Chile, assignor to Braden Copper Company, New York, N. Y. Smelting of metalliferous material. 1,862,742; June 14.
Engbrecht, Herman J., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Receptacle-evacuating apparatus. 1,859,293; May 24.
Enge, Hilda C., Albuquerque, N. Mex. Amusement device. 1,846,481; Feb. 23.
Engel, Albert W., Chicago, Ill. Corner pocket mounting device. 1,852,744; Apr. 5.
Engel, Alex J., Chicago, Ill. Supporting article. 1,841,174; Jan. 12.
Engel, Antonie J., assignor to Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Adjustable cam. 1,863,055; July 26.
Engel, Edward, Bloomington, Ill., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Wringer. 1,872,625; Aug. 16.
Engel, Ernst, assignor to Alfred Teves Maschinen- und Armaturen-Fabrik Gesellschaft mit beschrankter Haftung, Frankfort-on-the-Main, Germany. Hydraulic brake. 1,892,335; Dec. 27.
Engel, William, Newark, N. J. Assembling machine. 1,834,371; Apr. 19.
Engel, William H., Milwaukee, Wis. Clinker tongs. 1,857,841; May 10.
Engelbrecht, Robert T., Los Angeles, Calif. Oil well strainer. 1,860,706; May 31.
Engelen, Carl, Oedingberge Post Glandorf Bezirk Osnabruck, Germany. Harvesting machine. 1,876,137; Sept. 6.
Engelhard, Charles, Inc. (See Hebler, William O., assignor.)
Engelhard, Charles, Inc. (See Krueger, R. H., and Oetjen, assignors.)
Engelhardt, Hermann. (See Wollin, K., Smolczyk, and Engelhard.)
Engelhardt, Felix. (See Bergen, G., Engelhardt, and Steckhan.)
Engelhardt, Victor. (See Schönfeldt, N., Reichmann, and Engelhardt.)
Engelhardt, Victor, G. Eger, and H. Hein, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for electrolytically refining precious metals. 1,857,590; May 10.
Engelhardt, William B. (See Trenwith, William T., assignor.)
Engelke, Henry. (See Natkiel, Harry, assignor.)
Engelke, Henry. (See Natkiel, H., and Engelke.)
Engelman, Joseph J., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Machine for soldering side seams of can bodies. 1,864,419; June 21.
Engelmann, Max, assignor to the Firm Ernst Leitz, Optische Werke, Wetzlar, Germany. Microscope with inclined oculars. 1,858,674; Apr. 12.
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making dust disinfectants. 1,890,774; Dec. 13.
Engelmann, Max, and W. H. Tisdale, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Wood preservation. 1,874,260; Aug. 30.
Engels, Bernhard, Waidenburg-Altwasser, Germany. Drawing a glass band from the surface of the molten glass metal. 1,892,459; Dec. 27.
Engels, Eugene O., assignor to Baker Perkins Company, Saginaw, Mich. Heating system for bake ovens. 1,857,447; May 10.
Engels, Eugene O., assignor to Baker Perkins Company, Saginaw, Mich. Flue system for hot gas heated bake ovens. 1,871,309; Aug. 9.
Engels, William H., assignor, by mesne assignments, to Merck & Co., Inc., Rahway, N. J. Iodine preparation. 1,889,195; Nov. 29.
Engelstad, Alf. (See Cross, C. F., and Engelstad.)
Engen-Kress Corporation. (See Groom, George F., assignor.)
Engholm, Bernard A., Lakewood, assignor to The Rola Company, Cleveland, Ohio. Making loud-speakers. 1,872,261; Aug. 16.
Engholm, Bernard A., Lakewood, Ohio, assignor to The Rola Company, Oakland, Calif. Loud speaker. 1,891,404; Dec. 20.
Engholm, Bernard A., Lakewood, and J. J. Swent, Cleveland, Ohio, assignors to The Rola Company, Oakland, Calif. Making magnetic coil casings. 1,859,917; May 24.
Engholm, John W., Minneapolis, Minn. Washing and scrubbing apparatus for cases and boxes. 1,883,772; Oct. 18.
Engineer Company, The. (See McLean, Embury, assignor.)
Engineering Products Corporation, The. (See Lufkin, John L., assignor.)
Engl, Josef, Berlin-Grunewald, Germany, assignor to Engl Products Corporation, New York, N. Y. Sound transiation. 1,854,184; Apr. 19.
Engl, Josef, Berlin-Grunewald, Germany, assignor to Engl Products Corporation, New York, N. Y. Photoelectric cell circuit. 1,858,822; May 24.
Engl Products Corporation. (See Engl, Josef, assignor.)
England, Alexander, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve and valve rod construction. 1,850,619; Mar. 22.
England, Welborn D., and C. B. Chaffee, Luray, Tenn. Combination window sash lock and burglar alarm. 1,892,336; Dec. 27.
Englar, Benjamin F., Baltimore, Md. Ash riddler. 1,858,006; May 10.
Engle, Clara A. (See Longleiz, C. K., and Engle.)
Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Contact material. 1,883,650; Oct. 18.
Engle, Russell, assignor to T. L. Knipfe, Kokomo, Ind Carnation. Pl. Pt. 35; Oct. 18.
Engle, Stephen H., assignor to Textile Machine Works, Wyomissing, Pa. Apparatus for drying molds and the like. 1,844,060; Feb. 9.
Englehard, Charles, Inc. (See Hebler, William O., assignor.)
Englehard, Charles, Inc. (See Kremer, John, assignor.)
Englehard, Charles, Inc. (See Krueger, R. H., and Hamilton, assignors.)
Englen, Frederick J., Omaha, Nebr. Slicing and cutting machine. 1,847,000; Feb. 23.

Engler, Otto, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe, Germany, Steam generating plant indirectly heated by a circulating heat carrier. 1,847,001; Feb. 23.

Engler, Otto, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. High pressure boiler. 1,852,293; Apr. 5.

Engler, Otto, Kassel-Wilhelmshohe, Germany, assignor, by mesne assignments, to The Superheater Company, New York, N. Y. Superheater installation. 1,858,143; May 10.

Englisch, O. B., et al. (See Moreton, Henry H., assignor.)

English, Aaron. (See Ridgeway, L. E., and English.)

English, Analdo M., Brookline, assignor, by mesne assignments, to Automatic Scale Corporation, Limited, Quincy, Mass. Measuring device. 1,849,542; Mar. 15.

English Electric Company Limited, The. (See Ball, R. D., and Brown, assignors.)

English, Francis G. S., West Croydon, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Machine for punching holes in statistical or like record cards. 1,871,597; Aug. 16.

English, John M., assignor to Nice Ball Bearing Company, Philadelphia, Pa. Thrust bearing. 1,853,675; Apr. 12.

English, O. B., et al. (See Moreton, Henry H., assignor.)

English, Solomon, London, England, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,845,665; Feb. 9.

English Steel Corporation Limited. (See Anderson, David M., assignor.)

English, Victor J. Verdun, Quebec, Canada. Compartment guard. 1,889,853; Dec. 6.

English, William S., Newark, N. J. Apparatus for enriching fuel mixture for internal combustion engines. 1,873,743; Aug. 23.

Englund, Anders J., Milner, British Columbia, Canada. Saw gauge. 1,862,531; June 14.

Englund, Berthel G., Kenosha, Wis. Adjustable fuel burner. 1,855,545; Apr. 26.

Engs, William, and R. J. Moravec, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of dibutyl sulphate. 1,854,581; Apr. 19.

Engstfeld, Hans, Vienna, Austria. Wet gas meter. 1,843,713; Feb. 2.

Engstrom, Ernest P., assignor to J. R. Gammeter, Akron, Ohio. Sprocket and chain construction. 1,870,801; Aug. 9.

Enlows, Ella M. A., R. A. Brooks, and R. R. Groomes, Washington, D. C. Sterilizing apparatus. 1,856,988; May 3.

Enn-Weide Neu & Neuburger. (See Flamm, Carl, assignor.)

Ennings, Dirk, Glenvil, Nebr. Tool. 1,880,940; Oct. 4.

Ennis, Elmer N., Gary, Ind. Excavating machine. 1,876,283; Sept. 6.

Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Locating the point of entry of water into oil wells. 1,865,847; July 5.

Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Testing open wells. 1,889,889; Dec. 6.

Ennis, William Francis, Zamalek, Cairo, Egypt. Solid and pneumatic tire. 1,885,901; Nov. 1.

Ennor, William T. (See Lane, N. B., and Ennor.)

Ennor, William T., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Pouring trough. 1,862,787; June 14.

Enochs, Robert E., and H. W. Lawrence, Natchez, Miss. Liquid measuring and recording machine. 1,890,078; Dec. 6.

Enochson, Guy, Austin, Minn. Grinding machine. 1,857,047; May 3.

Enock, Arthur E., Wembley Park, assignor to Burlectas Limited, London, England. Conveying apparatus. 1,848,609; Mar. 8.

Enos, Alexander, New York, N. Y. Click lock. 1,890,806; Dec. 13.

Enrich, Henry A., New York, N. Y. Shoe form. 1,853,896; Apr. 12.

Enrich, Henry A., New York, N. Y. Dress hanger. 1,887,501; Nov. 15.

Enright, Daniel E., San Diego, Calif. Shock absorbing connecting rod. 1,855,627; Apr. 26.

Ens, Emil J., assignor to Ellis Adding Typewriter Company, Newark, N. J. Operating means for front feed platens. 1,875,917; Sept. 6.

Enscott, Frank, Toronto, Ontario, Canada. Sign, name plate, or the like. 1,876,405; Sept. 6.

Ensign Carburetor Co. (See Ensign, Orville H., assignor.)

Ensign Carburetor Co. Ltd. (See Ensign, Paul W., assignor.)

Ensign, Orville H., Pasadena, assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif. Fuel injection for internal combustion engines. 1,869,805; Aug. 2.

Ensign, Paul W., San Marino, assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif. Carburetor. 1,863,195; June 14.

Ensign-Reynolds, Inc. (See Ensign, W. B., and Reynolds, assignors.)

Ensign, William B., and L. H. V. Reynolds, assignors to Ensign-Reynolds, Inc., New York, N. Y. Inspirator. 1,878,478; Sept. 20.

Ensko, Robert, Freeport, N. Y. Price tag. 1,840,707; Jan. 12.

Ensler, Milton. (See Naftal, W., and Ensler.)

Ensley, Fern E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for constructing multiply articles. 1,849,617; Mar. 15.

Ensley, Major A., Rochester, assignor to All Fair Incorporated, Churchville, N. Y. Combined toy and game. 1,883,651; Oct. 18.

Enslin, Herbert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparing and assembling parts of shoe uppers. 1,862,890; June 14.

Enslin, Herbert E. Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for lacing shoe uppers. 1,881,177; Oct. 4.

Enslin, Herbert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lacing shoe uppers. 1,881,178; Oct. 4.

Ensminger, George R., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonchalking coating composition. 1,860,532; May 31.

Ensminger, George R., New Brunswick, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Applying decorations. 1,872,131; Aug. 16.

Ensten, Louis H., Cleveland, Ohio. Knitted headwear. 1,852,513; Jan. 26.

Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)

Enterprise Manufacturing Company, The. (See Brown, John E., assignor.)

Entrprise Mfg. Co., The. (See Case, Francis M., assignor.)

Enterprise Manufacturing Company, The. (See Khoenle, Herman F., assignor.)

Enterprise Manufacturing Company, The. (See Pfueger, Charles T., assignor.)

Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)

Enterprise Railway Equipment Company. (See Dorey, George B., assignor.)

Entraygue, Victor L. (See Vacquier, G. H., and Entraygue.)

Entwisle, Edward B., Johnstown, Pa. Switch. 1,839,382; Jan. 5.

Entwisle & Kenyon Limited. (See Kenyon, William H., assignor.)

Entwistle, T. C., Company. (See Sidebottom, John W., assignor.)

Entz, Ferdinand S., and A. E. Bachelet, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,871,391; Aug. 16.

Enz, Karl A. (See McCormack, D. J., and Enz.)

Enzenauer, Edward M., assignor to Killefer Manufacturing Company, Los Angeles, Calif. Automatic scraper. 1,849,183; Mar. 15.

Epley, Frederic L., North Pelham, assignor to The Superheater Company, New York, N. Y. Rotary drilling. 1,881,176; Oct. 4.

Epling, Everett E., Arkansas City, Kans. Butter wrapping machine. 1,886,215; Oct. 4.

Eppenstein, Otto, assignor to Firm Carl Zeiss, Jena, Germany. Instrument for finding the range difference of two aiming points. 1,846,864; Feb. 23.

Eppensteiner, William F. (See Eppensteiner, William F. and W. F.)

Eppensteiner, William F., Woodbridge, and W. F. Eppensteiner, Rahway, assignors to United States Metals Refining Company, Carteret, N. J. Method and apparatus for manufacturing and assembling cathode starting sheets for electrolysis. 1,847,917; Mar. 15.

Eppich, Frederick E., Norwood, Mass. Fish lure. 1,871,971; Aug. 16.

Epple, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,843,974; Feb. 9.

Epple, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,850,644; Dec. 13.

Epps, James W. (See Baker, G. R., Epps, and Perks.)

Epstein, Albert A., asignor to Consolidated Patentees Corporation, New York, N. Y. Hypodermic needle kit. 1,872,917; Aug. 23.

Epstein, Albert A., assignor to Consolidated Patentees Corporation, New York, N. Y. Combustible paste. 1,888,820; Nov. 22.

Epstein, Albert H., Chicago, Ill. Growing yeast. 1,858,488; May 17.

Epstein, Albert K., Chicago, Ill. Process of producing egg product. 1,883,652; Oct. 18.

Epstein, Albert K., and B. R. Harris, Chicago, Ill. Manufacturing egg noodles. 1,883,653; Oct. 18.

Epstein, Alex, Brooklyn, N. Y. Knitted cap or similar article. Des. 86,360; Mar. 1.

Epstein, Barnett, New York, N. Y. Receptacle. 1,887,502; Nov. 15.

Epstein, Benjamin. (See Muchnick, Arthur J., assignor.)

Epstein, Charles. (See Epstein, Seliz and C.)

Epstein, David, Passaic, N. J. Cabinet. Des. 87,461; Aug. 2.

Epstein, David, J. H. Fowler, and C. A. Bouffier, New York, N. Y.; said Fowler and said Bouffier assignors to said Epstein. Amusement device. 1,857,629; May 10.
Epstein & Harris. (See Sternberg, Woldemar M., assignor.)
Epstein, Joshua. (See Mitchell, Ernest R., assignor.)
Epstein, Selig and C., New York, N. Y. Water heater boiler attachment. 1,873,638; Aug. 23.
Equipment Specialties Company. (See Cohen, Louis L., assignor.)
Equipment Specialties Company. (See Hull, George A., assignor.)
Equipment Specialties Company. (See O'Connor, Arthur E., assignor.)
Equitable Paper Bag Co. (See Poppe, George W., assignor.)
Equitable Powder Manufacturing Company, The. (See Sherman, Harry E., assignor.)
Equity Construction Company. (See Buhr, Victor, assignor.)
Erb-Joyce Foundry Company. (See Frants, Clair E., assignor.)
Erb-Joyce Foundry Company. (See Udale, Stanley M., assignor.)
Erban, Richard, Vienna, Austria. Speed change gear. 1,859,502; May 24.
Erban, Richard, Vienna, Austria. Friction gear. 1,878,272; Sept. 20.
Erban, Tufic N., Lawrence, Mass. Submarine amusement device. 1,849,226; Mar. 15.
Erbe, Ralph R., Bridgeport, Conn., assignor, by mesne assignments, to The Capehart Corporation, Fort Wayne, Ind. Phonograph. 1,840,660; Jan. 12.
Erbe, Ralph R., Bridgeport, Conn., assignor, by mesne assignments, to The Capehart Corporation, Fort Wayne, Ind. Phonograph. 1,872,707; Aug. 23.
Erbe, Ralph R., Tacoma, Wash., assignor by mesne assignments to The Capehart Corporation, Fort Wayne, Ind. Record changing mechanism for phonographs. 1,872,706; Aug. 23.
Erbel, Joseph, San Francisco, Calif. Brake mechanism. 1,891,875; Dec. 20.
Erbes, Arnold. (See Arnold, S. M., and Erbe.)
Erbes, William P., Los Angeles, Calif. Hot and cold water mixer for showers. 1,877,567; Sept. 13.
Ercanbrack, Hal E. (See Hegeler, J. W., and Ercanbrack.)
Erdahl, Nicholai M., assignor to Highway Trailer Company, Edgerton, Wis. Collapsible cable reel. 1,868,972; July 26.
Erdahl, Nicholai M., assignor to Highway Trailer Company, Edgerton, Wis. Re-member linkage for crawler tractors. 1,890,975; Dec. 13.
Erdman, Theodore J., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Hitch connection for plows with seeders. 1,872,066; Aug. 16.
Erdmann, Hans M., assignor to Ne-Arga Corporation, New York, N. Y. Lamp starting device. 1,858,854; May 17.
Erdmann, Raymond A. (See Kosmovich, Burke B., assignor.)
Erdner, George H., Bellevue, Pa. Nonrefillable bottle. 1,842,594; Jan. 26.
Eremeeff, Ivan I., assignor to The Brown Instrument Company, Philadelphia, Pa. Relay instrument. 1,869,036; July 26.
Erf, Oscar, Columbus, Ohio. Making paper and product thereof. 1,848,610; Mar. 8.
Erichsen, Abraham M., Teltow, near Berlin, Germany. Mold for casting metals and metal alloys. 1,888,915; Nov. 22.
Erichsen, Alfred F., Lowell, Wash. Clipper and retainer. 1,858,582; Apr. 19.
Erickson, Albert N., Elmhurst, assignor to Union Carbide Company, New York, N. Y. Apparatus for detecting and estimating inflammable gases in air. 1,880,941; Oct. 4.
Erickson, Albert N., Elmhurst, N. Y., assignor to Union Carbide Company. Method and apparatus for detecting the presence of inflammable constituents in gas mixtures. 1,889,890; Dec. 6.
Erickson, Anselm G., and Johnson, assignors to General Motors Corporation, Detroit, Mich. Sanding machine. 1,853,516; Apr. 12.
Erickson, Andrew, Hamilton, Ontario, Canada. Automobile bumper. 1,849,216; Feb. 9.
Erickson, Bernard, Dunedin, assignor of one-half to O. A. Erickson, Clearwater, Fla. Band saw. 1,879,145; Sept. 27.
Erickson, Carl G., Evanston, Ill. Caliper. 1,858,544; May 17.
Erickson, David, assignor to E. & L. Company, Wichita Falls, Tex. Fuel burner. 1,860,086; May 24.
Erickson, Edward E., Portland, Oreg. Niches employed in crematoriums. 1,887,086; Nov. 8.
Erickson, Edward S., Salem, Ohio, assignor to The International Nickel Company, Inc., New York, N. Y. Adjustable bracket for sinks. 1,890,937; Dec. 13.
Erickson, Ellis O. (See Breisky, J. V., and Erickson.)
Erickson, Ellis O., et al. (See Hyde, R. C., Northcott, and Erickson.)
Erickson, Elmer C., Woodridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photographic recorder. 1,880,942; Oct. 4.
Erickson, Emery T., Chicago, Ill. Reducing dry gelatin to solution. 1,857,630; May 10.
Erickson, Emil, assignor to Standard Process Corporation, Chicago, Ill. Cylinder mounting for printing presses. 1,891,405; Dec. 20.
Erickson, Erick W., Enumclaw, Wash. Time control for radios. 1,891,901; Dec. 27.
Erickson, Frank E., Melrose, Mass. Collapsible fireplace. 1,853,116; Apr. 12.
Erickson, Fred, Waterville, Kans. Rotary harrow. 1,879,666; Sept. 27.
Erickson, Hortense C., Tacoma, Wash. Protective shield. 1,850,540; Mar. 22.
Erickson, John, Detroit, Mich. Wrench. 1,888,793; Nov. 22.
Erickson, John, assignor, by mesne assignments, to Associated Electric Laboratorics, Inc., Chicago, Ill. Electromagnetic device. 1,842,595; Jan. 26.
Erickson, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 1,883,773; Oct. 18.
Erickson, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Relay. 1,886,474; Nov. 8.
Erickson, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Switch mechanism. 1,889,240; Nov. 29.
Erickson, John A., Jackson, Mich., assignor to Viking Manufacturing Company. Coal binder and applying the same. 1,857,133; Nov. 8.
Erickson, K. E. (See Huffschmidt, Robert E., assignor.)
Erickson, Martin, Vermilion, S. Dak. Geared hoist for use with farm tractors. 1,860,774; May 31.
Erickson, Oscar A. (See Erickson, Bernard, assignor.)
Erickson, Oscar G., Detroit, Mich. Slide valve for engines. 1,890,976; Dec. 13.
Erickson, Oscar H., Puyallup, Wash. Internal combustion engine. 1,890,148; Dec. 6.
Erickson, Peter, East Glen Lake, Minn. Plant planter. 1,879,043; Aug. 2.
Erickson, Thorsten H. (See Aldeen, R. A., and Erickson.)
Erickson, Willard E., assignor to Link-Belt Company, Chicago, Ill. Rotary car dumper. 1,848,469; Mar. 8.
Ericson, Edward O., Cleveland Heights, Ohio. Electric lamp guard. 1,843,418; Feb. 2.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,156; Feb. 9.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,157; Feb. 9.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,158; Feb. 9.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,159; Feb. 9.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,160; Feb. 9.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,161; Feb. 9.
Ericson, Franklin R. (See Grube, L. E., Warner, and Ericson.)
Ericson, George R. (See Schweiss, J., and Ericson.)
Ericson, George E., Alexandria, Va. Aircraft accessory. 1,866,299; July 5.
Ericson, George R., assignor to Carter Carburetor Corporation, St. Louis, Mo. Air pump for internal combustion engines. 1,855,443; Apr. 26.
Ericson, George R., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Oil filter. 1,872,430; Aug. 16.
Ericson, George R., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,872,708; Aug. 23.
Ericson, Philip E. G., St. Charles, assignor to The W. H. Howell Company, Geneva, Ill. Parasol construction. 1,839,958; Jan. 5.
Ericson, Philip E. G., St. Charles, assignor to The W. H. Howell Company, Geneva, Ill. Parasol construction. 1,849,794; Mar. 15.
Ericson, Philip E. G., St. Charles, assignor to The W. H. Howell Company, Geneva, Ill. Glider. 1,858,989; May 17.
Ericson, Richard, assignor to United States Gypsum Co., Chicago, Ill. Light-weight ceramic material and making the same. Re. 18,606; Sept. 27.
Ericson, Richard, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for manufacturing tile board. 1,871,562; Aug. 16.
Ericson, Richard, assignor to United States Gypsum Company, Chicago, Ill. Manufacturing tile board. 1,871,843; Aug. 16.
Ericson, Richard W., Chicago, Ill. Desk or analogous article of furniture. Des. 86,951; May 17.
Ericsson, Arvid, assignor to Union Special Machine Company, Chicago, Ill. Thread cutter for sewing machines. 1,883,654; Oct. 18.
Ericsson, Eric W., Brooklyn, N. Y. Safety razor. 1,889,401; Nov. 29.
Ericsson, Erik E., Orebro, Sweden. Fixing the blades of scythes to the snath. 1,880,943; Oct. 4.
Ericsson, Gustaf L., Stockholm, Sweden. Opening device for sheet-metal cans and boxes. 1,856,543; May 3.
Ericsson, Henry, Chicago, Ill. Grass guard for lawn mowers. 1,855,869; Apr. 26.
Ericsson, John E. (See Lindgren, Waldemar L., assignor.)
Erie City Iron Works. (See Blatter, Donald L., assignor.)

Erie City Iron Works. (See Carlson, Carl T., assignor.)
Erie City Iron Works. (See Eklund, Joel, assignor.)
Erie City Iron Works. (See Kaemmerling, Gustav H., assignor.)
Erie City Iron Works. (See Lord, Hugh C., assignor.)
Erie City Iron Works. (See Wohlenberg, Walter J., assignor.)
Erie Malleable Iron Company. (See Bradbury, James G., assignor.)
Erie Malleable Iron Company. (See Metcalf, George R., jr., assignor.)
Erie Malleable Iron Company. (See Raybould, Frank J., assignor.)
Erie Malleable Iron Company. (See Swanson, Elmer J. S., assignor.)
Erie Malleable Iron Company. (See Vanderveer, Jewell W.)
Erie Malleable Iron Company. (See Vanderveer, Jewell W., assignor.)
Erie Malleable Iron Company. (See Waite, Lorenzo E., assignor.)
Erie Malleable Iron Company. (See White, Joseph J., jr., assignor.)
Erie Meter Systems, Inc. (See Carlson, Nelson A., assignor.)
Eriksen, Einar, Easton, Pa. Adjustable drawing board. 1,845,868; Feb. 16.
Eriksen, Emil M., Besserud, near Oslo, Norway. Ski. 1,888,455; Nov. 22.
Eriksen, O. A. N., Sostre Aker, Norway, assignor of one-half to Aktieselskapet Eureka MeKaniske Verksted, Skoyen, Norway, and one-half to Emil Tranaas, Milwaukee, Wis. Chain hook. 1,867,911; July 19.
Erikson Electric Company. (See Erikson, Leonard, assignor.)
Erikson Electric Company. (See McCabe, Anthony L., assignor.)
Erikson, Frank, and E. W. Weber, Herman, Nebr. Tractor plow-pitch. 1,844,217; Feb. 9.
Erikson, Leonard, Malden, assignor to Erikson Electric Company, Boston, Mass. Two-part electric-lamp socket. 1,858,714; Nov. 22.
Eriksson, Arvid E. (See Owen, J. L., and Eriksson.)
Eriksson-Jons, Anders, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,890,283; Dec. 8.
Erkes, Joseph, Philadelphia, Pa. Weaving pile fabric. 1,848,611; Mar. 8.
Erkes, Joseph, Philadelphia, Pa., and J. Krehbiel, New York, N. Y. Woven fabric and weaving same. 1,854,181; Apr. 19.
Erl, Joseph, and H. Hoffman, Buffalo, N. Y. Match safe. 1,877,568; Sept. 13.
Erlandson, Emil M., Compton, Calif., assignor to C. E. Burke, Oklahoma City, Okla. Drilling bit. 1,859,660; May 24.
Erlanger, Arthur L., New York, N. Y., and Martin Wadewitz, Hoechst-on-the-Main, Germany, assignors to American Glanzstoff Corporation, New York, N. Y. Fabric from artificial threads. 1,856,322; May 3.
Erlanger, Jacques, assignor to E. E. Ralston, Livermore, Pa. Earth working implement. 1,849,451; Mar. 15.
Erlinder, Peter E., assignor to Folding Products Corporation, Chicago, Ill. Foldable curtain. 1,877,829; Sept. 20.
Ermifano, Artemio, Manila, P. I. Fan and compact. 1,867,815; July 19.
Ermold, Edward, New York, N. Y. Feed mechanism for labeling machines. 1,871,675; Aug. 16.
Ermold, Edward, New York, N. Y. Feed mechanism for labeling machines. 1,871,676; Aug. 16.
Ermold, Edward, New York, N. Y. Bottle labeling machine. 1,871,677; Aug. 16.
Ermold, Edward, New York, N. Y. Machine for removing foil from bottles. 1,871,678; Aug. 16.
Ern, Carl F., Solingen-Wald, Germany. Safety device for razor blades. 1,890,535; Dec. 13.
Ernsberger, George H. (See McCarty, F. L., Ernsberger, and MacDonald.)
Ernsbarger, George H., Huntington Park, Calif., assignor, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Reciprocating or jigging conveyer and loader therefor. 1,850,582; Mar. 22.
Ernsberger, Paul W., Ada, Ohio. Bag holder. 1,872,918; Aug. 23.
Ernst, Charles, New Orleans, La. Lawn chair. 1,889,646; Nov. 29.
Ernst, Charles K., Buffalo, N. Y. Grate. 1,852,876; Apr. 5.
Ernst, George, Newark, N. J. Combined gauge glass protector, illuminator, and glare eliminator. 1,850,620; Mar. 22.
Ernst, Hans, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,864,589; June 28.
Ernst, Hans, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Gasket. 1,872,709; Aug. 23.
Ernst, Hans, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Multiconnection hydraulic cable. 1,891,670; Dec. 20.
Ernst, Hans, and M. Marrelliotti, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,872,431; Aug. 16.
Ernst, Hans, and C. W. Goodrich, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic valve. 1,872,626; Aug. 16.
Ernst, Hans, and L. F. Koeninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,872,627; Aug. 16.
Ernst, H. R., jr., et al. (See Respess, William R., assignor.)
Ernst, Otto. (See Schmidt, A., Ernst, and Lange.)
Ernst, Otto, Larchmont Manor, N. Y. Automobile. 1,840,026; Jan. 5.
Ernst, Otto, and O. Nicodemus, Frankfort-on-the-Main-Hoechst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separating condensation products of acetylene and ammonia. 1,872,422; Aug. 16.
Ernst, Otto, and O. Nicodemus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing salts of the chloroethane sulphonic acid. 1,888,794; Nov. 22.
Ernst, Otto, and K. Sponsel, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hardened aluminous article and manufacturing it. 1,841,797; Jan. 19.
Ernst, Otto, and K. Sponsel, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing ethers of carbohydrates. 1,858,731; May 17.
Ernst, Otto, K. Sponsel, and G. Balle, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing cellulose derivatives from alkali-cellulose in the form of pulp boards by means of esterifying and etherifying agents in the gaseous state. 1,863,745; June 21.
Ernst, Richard, Reichenbach, near Waldheim, Germany. Blotting device. 1,867,400; July 12.
Ernst, Victor C. (See Wollensak, A., and Ernst.)
Ernst, Victor C., Lakewood, Ohio. Photographic process and auxiliary elements therefor. 1,849,036; Mar. 8.
Ernst, Victor C., Lakewood, assignor to Full-Tone Process Company, Cleveland, Ohio. Lensic screen. 1,887,872; Nov. 15.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic press. 1,847,073; Mar. 1.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Valve mechanism for hydraulic presses. 1,851,622; Mar. 29.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Control mechanism for pumps. 1,861,116; May 31.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic metal drawing press. 1,861,337; May 31.
Ernst, Walter, assignor to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulically operated drop hammer. 1,870,499; Aug. 9.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Plural pressure pump control for hydraulic presses. 1,870,501; Aug. 9.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Surge valve for hydraulic presses or the like. 1,892,268; Dec. 27.
Ernst, Walter and H. F. MacMillan, assignors to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic press. 1,870,500; Aug. 9.
Erny, Ralph H., Zero, Mont. Rotary internal combustion engine. 1,850,833; Mar. 22.
Erpelding, Lawrence P., Indianapolis, Ind. Trimmer for battery separators. 1,891,983; Jan. 5.
Errett, David F., Weston, Ohio. Vehicle wheel. 1,889,723; Nov. 29.
Errington, Allison F., and G. L. Headley, Akron, Ohio. Rotary tooth brush. 1,891,470; Dec. 20.
Erskine, Clyde, St. Louis, Mo., assignor to International Motor Company, New York, N. Y. Semitrailer motor train. 1,858,769; May 17.
Erskine, James D. (See Hansen, Charles C., assignor.)
Erskine, James D., Glen Cove, N. Y. Radiator construction. 1,840,318; Jan. 12.
Ersland, Amos K., Manhattan Beach, Calif. Wrench. 1,872,710; Aug. 23.
Ertel, Edward, et al. (See Steinfeld, Harry, assignor.)
Ervin, William A., Oakland, Calif. Hinge. 1,887,549; Nov. 15.
Erwin, Benjamin H., assignor to The Indestructor Trunk Company, Mishawaka, Ind. Trunk lock and covered bail. 1,867,140; July 12.
Erwin, Charles H., Prescott, Wash., assignor to Deere & Company, Moline, Ill. Rod-weeder. 1,877,652; Sept. 13.
Erwin, Mason P. (See Jeffries, Charles W., assignor.)
Erwin, Weldon C., Yorba Linda, Calif. Line spooling device. 1,849,485; Mar. 15.
Esary, James D., Seattle, Wash., and D. P. Garrison, Duncan, British Columbia, Canada. Pole grab. 1,841,721; Jan. 19.
Esch, Joseph F., Port Neches, Tex., assignor to The Texas Company, New York, N. Y. Material coating apparatus. 1,879,628; Aug. 16.
Esh, William T., Kalama, Wash. Hen's nest. 1,892,235; Dec. 27.

Eschbach, Wilhelm, Troisdorf, near Cologne, Germany. Fuse composition stream member having reenforced ignition. 1,839,747 ; Jan. 5.
Eschbach, Wilhelm, and W. Friederich, Troisdorf, near Cologne-on-the-Rhine, Germany. Electric fuse. 1,839,746 ; Jan. 5.
Eschenbach, Gustavus W., Los Angeles, Calif. Pictorial display apparatus. 1,863,623 ; June 21.
Eschenbach, Gustavus W., Los Angeles, Calif. Multiform prism advertising apparatus. 1,888,377 ; Nov. 22.
Escher, Gustav. (See Haring, Ulysses G., assignor.)
Escher, Henry, et al. (See Appli, Albert, assignor.)
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gas filled tank. 1,871,449 ; Aug. 16.
Escolas, Auguste T., New Bedford, Mass. Pick-up lap roll. 1,849,618 ; Mar. 15.
Eshbaugh, Jesse E. (See Zubaty, J., and Eshbaugh.)
Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Combination mounting plate for instrument panels. 1,840,494 ; Jan. 12.
Eshbaugh, Jesse E., Flint, Mich. Audible air speed annunciator. 1,866,019 ; July 5.
Eshbaugh, Jesse E., Flint, Mich. Propaganda distributor. 1,870,594 ; Aug. 9.
Eskandarian, Alexander, Oaklyn, N. J. Method of and apparatus for stretching trousers. 1,866,553 ; July 12.
Eskilson, Sven A., Stockholm, Sweden, assignor to American Gas-Accumulator Company, Elizabeth, N. J. Traffic signal. 1,846,590 ; Feb. 23.
Eskilson, Sven A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Pendulum controlled lens apparatus. 1,883,655 ; Oct. 18.
Eskimo Pie Corporation. (See Watts, Warren S., assignor.)
Eslinger, John, Chicago, Ill. Aeroplane toy. 1,853,204 ; Apr. 12.
Esmarch, Wilhelm, Berlin-Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Separating electrically charged particles from fluids with the aid of an electric current. 1,885,810 ; Nov. 1.
Esnard, Miguel, Matanzas, Cuba. Faucet. 1,888,378 ; Nov. 22.
Espantoso, Ángel, London, England. Digging machine. 1,868,004 ; July 19.
Espe, Werner. (See Rudenberg, R., Berthold, Donat, and Espe.)
Espenschied, Lloyd, Hollis, N. Y., and C. H. Fetter, Millburn, N. J., assignors to American Telephone and Telegraph Company. Receiver for radio broadcast and wire distributing systems. 1,853,117 ; Apr. 12.
Espino, Ernest P., Youngstown, Ohio. Game table. Des. 86,708 ; Apr. 12.
Esping, Gustave R., Cleveland, Ohio. Conduit holder. 1,879,944 ; Nov. 8.
Esselen, Gustavus J., jr., Swampscott, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Forming sheet pyroxylin. 1,875,731 ; Sept. 6.
Esselen, Gustavus J., jr., Swampscott, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Recovery of camphor. 1,875,732 ; Sept. 6.
Esselen, Gustavus J., jr., Swampscott, Mass., and R. P. Rose, Jackson Heights, assignors to General Rubber Company, New York, N. Y. Coated paper. Re18,312 ; Jan. 5.
Esseling, Cornelius J., Haarlem, Netherlands. Power takeoff. 1,867,257 ; July 12.
Esselman, Emil. (See Fink, H., and Esselmann.)
Esseltine, Alfred B., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,867,528 ; July 12.
Esseltine, Alfred B., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,869,971 ; Aug. 2.
Essential Products Co. (See Noetzel, Gustav A., assignor.)
Esser, Heinrich, Hilden, Germany. Rolling mill. 1,868,227 ; July 19.
Esser, Peter, Clifton, N. J., assignor to Take-A-Toy, Inc., New York, N. Y. Toy. 1,841,098 ; Jan. 12.
Essex Foundry. (See Klatt, Herman A., assignor.)
Essex, Jesse L. (See Morrell, J. C., and Essex.)
Essex Rubber Company. (See Oakley, Clifford H., assignor.)
Essex Tanning Company. (See Langmaid, Harold V., assignor.)
Essick, John H., Erie, Pa. Carbon remover. 1,869,310 ; July 26.
Essig, Gottlieb F., Philadelphia, Pa. Hangar for dirigibles. 1,873,562 ; Aug. 23.
Essilinger, Bertha M., St. Louis, Mo. Multiple compartment case. 1,844,431 ; Mar. 8.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Estate Stove Company, The. (See Kahn, B. B., and Bradbury, assignors.)
Estep, Adrian C., Seattle, Wash. Fuel relief valve. 1,885,338 ; Nov. 1.
Esterbrook Steel Pen Manufacturing Co., The. (See Ashmore, Leon H., assignor.)
Esterly, Charles L., East Cleveland, assignor to The Wellman Bronze & Aluminum Company, Cleveland, Ohio. Flush valve. 1,868,316 ; July 19.
Esterow, Harry, New York, N. Y. Fountain pen clip or similar article. Des. 86,767 ; Apr. 19.
Esterson, Albert A., assignor to Holtite Manufacturing Company, Baltimore, Md. Rubber heel and wear plate therefor. 1,868,351 ; July 19.
Estes, Arthur R., assignor to C. M. Estes, Jackson, Tenn. Spring expander. 1,878,624 ; Sept. 20.
Estes, Burr M., Houston, Tex., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Pellet making machine. 1,848,332 ; Mar. 8.
Estes, Carrie M. (See Estes, Arthur P., assignor.)
Estes, George W. (See Jennings, J. B., and Estes.)
Estes, J. Edmund, Lexington, R. I. Display device. 1,880,944 ; Oct. 4.
Estes, James W., Birmingham, Ala. Amusement apparatus. 1,863,653 ; June 21.
Estes, Joseph B., New York, N. Y. Pot lid handle and utensil support. 1,853,852 ; Apr. 12.
Estey, Arthur C., Fayville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making tennis shoes. 1,855,226 ; Apr. 26.
Estey Organ Company. (See Warren, Samuel R., assignor.)
Estock, Michael, Orange, Calif. Irrigation nozzle. 1,883,656 ; Oct. 18.
Estorff, Walther, Berlin-Charlottenburg, and L. Heinemeyer, Berlin-Lichterfelde, Germany, assignors to Westinghouse Electric and Manufacturing Company. Multiple break oil switch for large currents. 1,856,626 ; May 3.
Estrin, David A., Brooklyn, N. Y. Frankfurter roll sandwich machine. 1,867,301 ; Sept. 27.
Esty, Edward T., et al. (See Henne, A. H., and Clark, assignors.)
Esty, Maynard E. (See Button, C. R., and Esty. 18.
Etablissements Aera. (See Martin, Georges L. J., assignor.)
Etablissements Aera. (See Mercier, René, assignor.)
Etablissements Ernest Arnoult, Société Anonyme. (See Cousin, Paul A. J., assignor.)
Etablissements Julien Damoy Societe Anonyme. (See Faure, André, assignor.)
Etablissements Léon Hatot. (See Lavet, Marius, assignor.)
Etablissements Lyonnais Rochet-Schneider. (See Baverey, François, assignor.)
Etablissements Petitdidier (Ancienne Maison Jolly-Belin). (See Petitdidier, R., and Feynier, assignors.)
Etges, Norman G. (See Bush, E. T., and Sower, assignors.)
Etheridge, Girard G., Atlanta, Ga. Apparatus for pressing replacement sleeves into cylinder blocks. 1,861,304 ; May 31.
Etheridge, Herbert, Rodelheim, near Frankfort-on-the-Main, Germany. Typewriter. 1,858,770 ; May 17.
Ethridge, Albert S., assignor to Hummel & Downing Co., Milwaukee, Wis. Container. 1,856,474 ; May 3.
Ethyl Gasoline Corporation. (See Proffitt, D. K., and Sharron, assignors.)
Etienne, Alfred, Montereau, assignor to la Societe l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Separation of the constituents of gaseous mixtures by liquification. 1,878,123 ; Sept. 20.
Etnyre, E. D., & Company, Inc. (See Etnyre, George M., assignor.)
Etnyre, George M., assignor to E. D. Etnyre & Company, Inc., Oregon, Ill. Tank gage. 1,850,746 ; Mar. 22.
Etnyre, George M., assignor to E. D. Etnyre & Company, Inc., Oregon, Ill. Pipe coupling. 1,865,462 ; July 5.
Etten, Nicholas L., Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Machine Works. Ironing machine. 1,822,214 ; Oct. 6.
Ettinger, Joe J., Warsaw, Ind. Surgical splint. 1,867,215 ; July 12.
Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical splint. 1,880,945 ; Oct. 4.
Ettinger, Joe J., assignor to The Zimmer Manufacturing Company, Warsaw, Ind. Clavicle splint. 1,880,946 ; Oct. 4.
Ettinger, Joe J., Warsaw, Ind. Leg splint. 1,890,372 ; Dec. 6.
Ettlinger Casaks Manufacturing Company. (See Ettlinger, Ralph, assignor.)
Ettlinger, Ralph, assignor to Ettlinger Casaks Manufacturing Company, Kansas City, Mo. Sausage casing and making same. 1,883,657 ; Oct. 18.
Etzel, Gastao. (See Henke, C. O., and Etzel.)
Etzkorn, Rudolf. Oberbruch Regierungsbezirk Aachen, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Spool or cylinder for use in the wet handling of freshly-spun filaments. 1,867,600 ; July 12.
Eubank, Charles E., San Angelo, Tex. Mechanical movement. 1,840,389 ; Jan. 12.
Eubank, Lee L., Los Angeles, Calif., assignor to Hammond Lumber Co., Wilmington, Del. Radiocabinet. Des. 87,715 ; Sept. 6.
Eubank, William S., assignor to J. H. Bell, Philadelphia, Pa. Refrigerator truck body. 1,841,367 ; Jan. 19.
Eubanks, Joseph A., Barberton, Ohio. Pen or pencil holding device. 1,840,191 ; Jan. 5.
Eubanks, Lovelace P. (See Peek, William T., and Eubanks.)

Euclid-Armington Corporation, The. (See Jergens, Winfred L., assignor.)
Euclid Crane & Hoist Company, The. (See Armington, Arthur P., assignor.)
Euclid Crane & Hoist Company, The. (See Armington, A. P., and Higley, assignors.)
Euclid Crane & Hoist Company. (See Juergens, Winfred H., assignor.)
Euclid Road Machinery Company, The. (See Armington, Arthur P., assignor.)
Euclid Road Machinery Company, The. (See Armington, Arthur P., S. P., and G. E., assignors.)
Eufinger, Peter, Frankfort-on-the-Main, and Wilhelm Quante, Wupperthal-Elberfeld, Germany. Machine for splicing cables. 1,885,902; Nov. 1.
Eugene, Ltd. (See Schmitz, William, assignor.)
Eugene, Ltd. (See Suter, Eugene F., assignor.)
Euken, Adam J., Cumberland, Iowa. Rim and lug for traction wheels. 1,892,207; Dec. 27.
Eule, Martin, Spandau, near Berlin, assignor to Siemens-Schuckertwerke Gesellschaft mit beschraenkter Haftung, Berlin-Siemensstadt, Germany. Tubular steam generator. 1,888,890; May 17.
Euler, Johannes. (See Stein, R., Euler, and Puff.)
Eumuco Aktiengesellschaft fur Maschinenbau. (See Schneider, Arthur, assignor.)
Eureka Dairy Household Equipment, Inc. (See Mazzocco, Dante V., assignor.)
Eureka Vacuum Cleaner Company. (See McLaren, Alex C., assignor.)
Eurich, Richard H. (See Reinhardt, G. A., and Eurich.)
Eurich, Richard H., and B. F. Anthony, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Continuous centrifugal casting. 1,864,270; June 21.
European Novelties and Patents Company. (See Gagnon, Joseph H., assignor.)
Eustis, J. P., Manufacturing Company. (See Keefe, Thomas M., assignor.)
Eustis, Robert L., assignor of one-half to M. Nelson, Los Angeles, Calif. Drawer guide. 1,844,845; Feb. 9.
Euth, John E., assignor to United Autographic Register Co., Chicago, Ill. Duplicating machine. 1,873,563; Aug. 23.
Evans, Albert E., Cleveland, Ohio, assignor, by mesne assignments, to Ideal Co., Wilmington, Del. Ozonizer. 1,856,544; May 3.
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Uncoupling device. 1,844,061; Feb. 9.
Evans, Albert E., Cleveland, Ohio, assignor, by mesne assignments, to Ozonizer Company, Wilmington, Del. Ozonizer. 1,870,616; Aug. 9.
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Car coupling device. 1,887,753; Nov. 15.
Evans, Ambrose H., Hutchinson, Kans. Recreation and amusement machine. 1,840,192; Jan. 5.
Evans Appliance Company. (See Ellig, Earl W., assignor.)
Evans Appliance Company. (See Wiltse, Sumner, assignor.)
Evans, Archibald D., assignor to The Wean Engineering Company, Warren, Ohio. Coating machine drive. 1,857,631; May 10.
Evans, Archibald D., and J. K. Lamoree, Newcastle, Pa., assignors to American Sheet and Tin Plate Company. Sheet handling mechanism. 1,865,308; June 28.
Evans, Archibald D., Warren, Ohio, and J. K. Lamoree, Mount Lebanon, Pa. Method of and apparatus for handling tin plate. 1,890,250; Dec. 6.
Evans, Arthur J., Columbus, N. Mex. Rotating power drum for airplanes. 1,850,925; Mar. 22.
Evans Auto Loading Co. Inc. (See Snyder, Clifford L., assignor.)
Evans Auto Loading Company, The. (See Snyder, Clifford L., assignor.)
Evans Auto Loading Company, The, et al. (See Stipes, R. W., and Hoose, assignors.)
Evans, Benjamin A., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber bearing structure. 1,885,839; Nov. 1.
Evans, Carol L., Tipton, Calif. Hydraulic operated pump. 1,851,666; Mar. 29.
Evans Case Company. (See Blair, Robert S., assignor.)
Evans Case Company. (See Dion, William A., assignor.)
Evans Case Company. (See Lagerholm, Carl J., assignor.)
Evans Case Company. (See Reilly, Alfred F., assignor.)
Evans, Charles H., Newfane, assignor to Niagara Sprayer & Chemical Co. Inc., Middleport, N. Y. Fruit sizer. 1,873,323; Aug. 23.
Evans, Charles M., assignor to Bartlett-Collins Company, Sapulpa, Okla. Pitcher. Des. 88,762; Dec. 27.
Evans, Charles S. (See Sorg, Harold E., assignor.)
Evans, Clarence J., Cleveland, Ohio. Mop wringer. 1,839,748; Jan. 5.
Evans, Clarence T., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Contact. 1,839,538; Jan. 5.
Evans, Clarence T., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,855,014; Apr. 19.
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control device. 1,889,175; Nov. 29.
Evans, David E., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Machine for making backings for artificial teeth. 1,840,839; Jan. 12.
Evans, David E., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Carding device for artificial teeth. 1,857,713; May 10.
Evans, David E., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Carding device for artificial teeth. 1,857,714; May 10.
Evans, Earl. (See Freimann, Raymond C., and Evans.)
Evans, Earl R., Washington, D. C. Electrical regulating apparatus. 1,844,149; Feb. 9.
Evans, Earl R., Washington, D. C. Electrical heater. 1,868,005; July 19.
Evans, Earl W. (See Heston, A. L., Shook, and Evans.)
Evans, Earle W., Linden, N. J., assignor to Standard Oil Development Company. Temperature control in force feed lubricating oil systems. 1,870,675; Aug. 9.
Evans, Edward S., assignor to Evans Products Company, Detroit, Mich. Decking structure. 1,869,054; July 26.
Evans, Edward S., assignor to Evans Products Company, Detroit, Mich. Chock block. 1,879,917; Sept. 27.
Evans, Edwin R. (See Rockwell, E. A., and Evans.)
Evans, Edwin R., Detroit, Mich. Motor vehicle brake. 1,860,666; May 31.
Evans, Edwin R., Detroit, Mich. Brake. 1,866,884; July 12.
Evans, Edwin R., Detroit, Mich. Shock insulating device. 1,868,163; July 19.
Evans, Edwin R., Detroit, Mich. Making a shock insulating device. 1,892,505; Dec. 27.
Evans Elevator Equalizer Company. (See Erwin, Louis L., assignor.)
Evans Elevator Equalizer Company. (See Evans, Joseph E., assignor.)
Evans Elevator Equalizer Company. (See Frost, William P., assignor.)
Evans Flexible Reamer Corporation. (See Evans, William H., assignor.)
Evans, Frank, California, Pa. Automatic weather-strip. 1,888,115; Nov. 15.
Evans, Frederick H., Rochester, N. Y. Variable pace setter for automobiles. 1,866,790; July 12.
Evans, Frederick H., Rochester, N. Y. Wheel aligner for vehicles. 1,870,106; Aug. 2.
Evans, Galen, Shelton, Nebr. Well. 1,864,420; June 21.
Evans, George E. (See Westbrook, E., and Evans.)
Evans, George S., Bronxville, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Refining of metals. 1,841,020; Jan. 12.
Evans, Graydon. (See Evans, William M. and G.)
Evans, Harold. (See Evans, C. J., and H.)
Evans, Harold A., assignor to Parco Specialty Co., Lynn, Mass. Binding of sheet articles. 1,871,679; Aug. 16.
Evans, Harrison E., Belmont, Mass., and C. D. Allen, Philadelphia, Pa., assignors to Consolidated Ashcroft Hancock Company, New York, N. Y. Valve. 1,881,269; Oct. 4.
Evans, Homer A., Columbus, Ohio. Draft control for tunnel kilns. 1,867,066; July 12.
Evans, James C., Detroit, Mich. Internal combustion engine. 1,873,324; Aug. 23.
Evans, James D., Haverford, and A. K. Elton, Upper Darby, assignors to Powell Evans, Philadelphia, Pa. Machine for placing ripping wires in can tops. 1,865,309; June 28.
Evans, John H. (See Swart, C. A., and Evans.)
Evans, John M., Berkley, Calif. Treating petroleum emulsions. 1,856,156; May 3.
Evans, John T., Indianapolis, Ind. Sole press. 1,839,471; Jan. 5.
Evans, John T., Kingston, Pa. Radiator hanger. 1,886,330; Nov. 1.
Evans, Joseph E., Bedford, Ind. Die for compressing the strands of wire rope. 1,865,362; June 28.
Evans, Joseph E., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Suspension device for equalizing the strain on hoisting cables. 1,852,155; Apr. 5.
Evans, Joseph S. (See Kirtland, F. D., Broshek, Brierly, and Evans.)
Evans, L. W., et al. (See Rossi, Joseph P., assignor.)
Evans, Lawrence J. (See Dodd, R. S., and Evans, assignors.)
Evans Lead Company. (See Rowley, Willson H., assignor.)
Evans, Louis M. (See Graham, G. A., Evans, and Friedman.)
Evans, Martin E., Pittsburgh, Pa. Attenuation of materials. Re18,478; May 24.
Evans, Martin E., Kankakee, Ill. Material attenuation. 1,843,669; Feb. 2.
Evans, Martin E., Pittsburgh, Pa. Wire rope and method of manufacture. 1,888,076; Nov. 15.
Evans, Mary E., et al. (See Graham, G. A., Evans, and Friedman.)
Evans, Maynard B., Detroit, Mich. X-ray screen. 1,846,515; Feb. 23.
Evans, Michael, Philadelphia, Pa. Composition for correcting faults in ignition systems of automotive engines. 1,842,901; Jan. 26.
Evans, Porter H., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Communication system. 1,869,323; July 26.
Evans, Powell. (See Evans, J. D., and Elton, assignor.)

Evans Products Company. (See Butterworth, Samuel D., assignor.)
Evans Products Company. (See Chalmers, Raymond W., assignor.)
Evans Products Company. (See Evans, Edward S., assignor.)
Evans Products Company. (See Hice, Sherman, assignor.)
Evans Products Company. (See Snyder, Clifford L., assignor.)
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Hair waving pad. 1,875,228; Aug. 30.
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Permanently waving hair. 1,889,746; Dec. 6.
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Permanently waving hair. 1,892,389; Dec. 27
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Permanently waving hair. 1,892,390; Dec. 27
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Permanently waving hair. 1,892,391; Dec. 27.
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Permanently waving hair. 1,892,426; Dec. 27.
Evans, Ralph R., Watertown, assignor to Simplex Wire and Cable Company, Boston, Mass. Insulation of wire. 1,870,990; Aug. 9.
Evans, Rhys D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel 1,875,381; Sept. 6.
Evans, Richard, Highland Park, Ill. Stamp rack. 1,860,947; Oct. 4.
Evans, Richard, Highland Park, Ill. Vented stamp mold. 1,887,403; Nov. 8.
Evans, Robert D., Wilkinsburg, C. F. Wagner, Pittsburgh, and S. B. Griscom, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Recording system. 1,856,699; May 3.
Evans, Rollo E., Emporia, Kans. Jack track. 1,887,924; Nov. 15.
Evans, Seth, assignor to Hughes Tool Company, Houston, Tex. Feeding device for welding machines. 1,839,384; Jan. 5.
Evans, Thomas A., Sombrerete, Mexico. Reagent feeder. 1,887,347; Nov. 8.
Evans, Thomas J. and H., Blue Island, Ill. Molding device. 1,846,028; Feb. 23.
Evans, Vincent J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Control system for gas burning appliances. 1,872,433; Aug. 16.
Evans, Will, Hermosa Beach, Calif. Mop cloth. 1,849,286; Mar. 15.
Evans, Will Hermosa Beach, Calif. Mop handle structure. 1,887,125; Sept. 13.
Evans, William A. D., Summit, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. System for starting and operating gaseous electric discharge devices. 1,878,479; Sept. 20.
Evans, William A. D., Summit, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Illuminated sign. 1,879,147; Sept. 27.
Evans, William C., Casey, Iowa. Grave concealing device. 1,854,124; Apr. 12.
Evans, William C., Casey, Iowa. Grave concealing device. 1,858,439; May 17.
Evans, William H., Bridgeport, Conn. Flexible ventilating hose. 1,863,624; June 21.
Evans, William H., assignor to Evans Flexible Reamer Corporation, Chicago, Ill. Reamer sharpening machine. 1,847,045; Feb. 23.
Evans, William M. and G., near East Sparta, Ohio. Selective power transmission. 1,886,537; Nov. 8.
Evans, Wilmont R., trustee. (See Wolfe, Walter G., assignor.)
Evans, Wilson, assignor to The National Aluminate Corporation, Chicago, Ill. Treating liquids. 1,872,262; Aug. 16.
Evans, Wilson, assignor to National Aluminate Corporation, Chicago, Ill. Treating liquids. 1,872,263; Aug. 16.
Evard, Alfred, Fort Wayne, Ind. Burial vault. 1,860,023; May 24.
Evarts-Ellington Company. (See Everts, Walter W., assignor.)
Evel, James G., Hamilton, Ontario, Canada. Casket. 1,848,417; Mar. 8.
Eveland, Samuel S., Philadelphia, Pa. Mulching. 1,877,050; Aug. 9.
Eveleth, Kempton A., Portland, Me. Combination pipe and lighter. 1,845,591; Feb. 16.
Evelyn, Steven F., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine attachment. 1,874,261; Aug. 30.
Evennett, Frederick C. F., Lee, England. Valve. 1,850,948; Oct. 4.
Evensen, Anton, Fox Lake, Ill. Container with applicator. 1,846,711; Feb. 23.
Evensen, Chris, Choteau, Mont. Portable elevator. 1,841,525; Jan. 19.
Everedy Company, The. (See Lebherz, Harry J., assignor.)
Everett, Arthur W., Los Angeles, Calif. Tool joint. 1,849,423; Mar. 15.
Everett, Charles E., Oregon City, Oreg. Ice scoring machine. 1,866,882; July 12.
Everett, Charles I., Willington, Nev. Honey frame cleaning machine. 1,881,354; Oct. 4.
Everett, Edward A., Long Island City, assignor to Nande Corporation, New York, N. Y. Track drilling machine. 1,841,798; Jan. 19.
Everett, Edward A., assignor to Nande Corporation, New York, N. Y. Power operated rail saw. 1,868,739; July 26.
Everett, Ernest P., Yonkers, N. Y. Roofing tile and making. 1,844,647; Feb. 9.
Everett, Ernest P., Yonkers, N. Y. Adhesive applying device. 1,851,761; Mar. 29.
Everett, Ernest P., Yonkers, N. Y. Method and apparatus for making laminated fibrous blanks. 1,852,451; Apr. 5.
Everett, Samuel J., Thornton Heath, England. Manufacture of pointed tubular metal articles. 1,891,304; Dec. 20.
Everett, W. L. (See Drennon, William M., assignor.)
Evesham, Arthur G., Coventry, City, England, assignor to Raymond Concrete Pile Company, New York, N. Y. Concrete revetment. 1,847,868; Mar. 1.
Evechart, John R., Westminster, Md. Shears sharpener. 1,883,658; Oct. 18.
Everlastik, Inc. (See Winton, Harry C., assignor.)
Everlasting Memorial Association. (See Koch, Robert R., assignor.)
Evernden, Harold I. F., Itchenor Green, near Chichester, assignor to Rolls Royce Limited, Derby, England. Windscreen for mechanically propelled vehicles. 1,846,957; Feb. 23.
Everts, Arthur J., and H. J. Sauvage, Wilmette, Ill. Strainer. 1,881,270; Oct. 4.
Everson, Ever, Hattiesburg, Miss. Cupboard. 1,882,277; Oct. 11.
Everson, Franklin E., Scarsdale, N. Y. Display card. 1,862,566; June 14.
Everson, Franklin E., Scarsdale, N. Y. Display device. 1,871,598; Aug. 16.
Everson, Franklin E., New York, N. Y. Display basket. 1,881,876; Dec. 20.
Everts, J. M., et al. (See Strosnider, Luther, assignor.)
Everts Propeller Company. (See Everts, Walter W., assignor.)
Everts, Walter W., assignor to Everts-Ellington Company, San Antonio, Tex. Power transmitting device. 1,841,021; Jan. 12.
Everts, Walter W., San Antonio, Tex., assignor to Everts Propeller Company. Propeller. 1,875,998; Sept. 6.
Everwear Manufacturing Company, The. (See Hoppes, Edwin F., assignor.)
Everwear Manufacturing Company, The. (See Hoppes, Charles E. and E. F., assignors.)
Every, George E., Torrance, Calif. Pliers. 1,867,912; July 19.
Evich, Jerie, Santa Barbara, Calif. Automobile signal lamp. Des. 87,105; June 7.
Evich, Jerie, Santa Barbara, Calif. Automobile signal lamp. Des. 87,106; June 7.
Evich, Jerie, Santa Barbara, Calif. Automobile signal lamp. Des. 87,207; Nov. 21.
Evinrude, Ole, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation. Control mechanism for outboard motors. 1,843,272; Feb. 2.
Evinrude, Ole, assignor to Outboard Motors Corporation, Milwaukee, Wis. Rotary valve mechanism for two-cycle engines. 1,845,702; Feb. 16.
Evinrude, Ole, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation. Timer for four cylinder outboard motors. 1,874,178; Aug. 30.
Evorit, Guy, Princeton, Mo. Variable pitch propeller. 1,875,373; Sept. 6.
Evr Klean Seat Pad Company. (See Wittcoff, Edward, assignor.)
Evrard, Iphonse H., Wilmington, Del. Fluid control device for aircraft. 1,864,236; June 21.
Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Combined illuminated indicator dial and casing therefor. Des. 87,253; June 28.
Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Pressure-regulating tire-inflating nozzle. 1,882,215; Oct. 11.
Ewald, Warren. (See Hensball, P. P., and Ewald.)
Ewald, Warren. (See Werft, R. L., Ewald, and Hensball.)
Ewald, Warren, Arden, assignor to John J. Nesbitt, Inc., Holmesburg, Philadelphia, Pa. Movable panel for heating and ventilating units. 1,875,918; Sept. 6.
Ewald, Warren, Arden-Philadelphia, and P. P. Hensball, assignors to John J. Nesbitt, Inc., Philadelphia, Pa. Double damper for heating and ventilating units. 1,885,343; Nov. 1.
Ewan, Thomas, Norton-on-Tees, assignor to Imperial Chemical Industries, Limited, London, England. Catalyst for production of hydrocyanic acid. 1,876,213; Sept. 6.
Ewbank, Geno E., Dalhart, Tex. Maize header. 1,866,020; July 5.
Ewell, James C., Ravinia, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Package for displaying and dispensing merchandise. 1,840,439; Jan. 12.
Ewend, Walter H., Detroit, Mich. Glare shield for vehicles. 1,854,892; Apr. 19.
Ewest, Hans. (See Pifani, M., Ewest and Rüttenauer.)
Ewest, Hans. (See Wiegand, K., Ewest, and Roger.)

Ewest, Hans, Berlin, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,880,949; Oct. 4.

Ewing, Dwight T., East Lansing, Mich. Electrolytic deposition of metallic chromium. 1,864,013; June 21.

Ewing, Dwight T., East Lansing, Mich. Chromium plating process. 1,864,014; June 21.

Ewing, Floyd, Elkhorn, Wis. Automatic distributor. 1,839,749; Jan. 5.

Ewing, Frank E., F. J. Clunk, Brentwood Heights, and N. M. Cross, La Monica, Calif., assignors, by direct and mesne assignments, to Kuts-Keen Mfg. Co., Ltd. Cutter for adhesive tapes. 1,880,950; Oct. 4.

Ewing, Wyllie B., Wheeling, W. Va. Nipple threading apparatus. 1,864,897; June 28.

Ewing, Wyllie B., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Elevator tower and the like. 1,880,125; Sept. 27.

Exact Weight Scale Company, The. (See Flanagan, Thomas B., assignor.)

Exact Weight Scale Company, The. (See Hallead, Mervil, assignor.)

Exact Weight Scale Company, The. (See Hallead, Mervil, and Flanagan, assignors.)

Exact Weight Scale Company, The. (See Okey, Perry, assignor.)

Exact Weight Scale Company, The. (See Schaper, Harry C., assignor.)

Exact Weight Scale Company, The. (See Smith, Walter S., assignor.)

Excel Curtain Company. (See Holt, T. W., and Levan assignors.)

Excel Magneto Co. (See Reis, Curt F., assignor.)

Excel Taping Machine Co. (See Butler, Leland K., assignor.)

Excel Taping Machine Co. (See Eaton, Horace M., assignor.)

Ex-Cell-O Aircraft & Tool Corporation. (See Alden, Carroll, assignor.)

Ex-Cell-O Aircraft and Tool Corporation. (See Alden, C. R., and Birkebak, assignors.)

Ex-Cell-O Aircraft and Tool Corporation. (See Birkebak, Christian A., assignor.)

Ex-Cello-O Aircraft and Tool Corporation. (See Krueger, Henry R., assignor.)

Ex-Cell-O Aircraft & Tool Corporation. (See Peterson, Adolphe C., assignor.)

Excelsior Hardware Co., The. (See Komenak, Albert J., assignor.)

Excelsior Stationery Company. (See Rantsch, Edward J., assignor.)

Excelsior Steel Furnace Company, The. (See Holub, John J., assignor.)

Exhibitors Program Co. (See Rolston, Kenneth P., assignor.)

Exley, William H., Market Harborough, England. Apparatus for elevating acids and other liquids. 1,845,139; Feb. 16.

Exline, Paul G. (See Blackwood, O. H., and Exline.)

Exolon Company, The. (See Walton, Samuel F., assignor.)

Expello Corporation, The. (See Mathes, John R., assignor.)

Exploration Bodenunterschungs & Verertungs G. m. b. H. (See Haalck, Hans, assignor.)

Explosive Bait Corporation—No Stockholders' Liability. (See Karr, George, assignor.)

Express Motion Foster Service, Inc. (See Ashe, Marsellus T., assignor.)

Extension Garment Hanger Company. (See Hood, Thomas B., assignor.)

Externit Inc. (See Kunz, Robert, assignor.)

Exton, William G., New York, N. Y. Electrooptical method and means for measuring substances for concentrations, colors, dispersion, etc. 1,877,501; Sept. 13.

Extrom, Victor E. (See Miller, P. J. N., and Extrom.)

Extrom, Victor E. (See Rustad, L. L., and Extrom.)

Extruded Metal Products Company. (See Williams, Stephen L., assignor.)

Eyer, Carl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of solid calcium nitrate. 1,849,082; Mar. 15.

Eyer, Carl, F. Frowein, and F. Korn, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing ballast-free solid fertilizers. 1,857,296; May 10.

Eyer, Carl, and F. Korn, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mixed fertilizer. 1,868,890; July 26.

Eynon, Harold G. and W. J. Kinderman, assignors to Industrial Developers, Inc., Philadelphia, Pa. Metal seal for paper bags. 1,875,919; Sept. 6.

Eynon, Howard B., Wellsville, N. Y. Motor brush. 1,885,903; Nov. 1.

Eynon, Thomas M., Philadelphia, Pa. Liquid level indicator. 1,864,991; June 28.

Eyre, John J., Saugus, Mass., assignor to H. K. Porter, Inc. Cutting tool. 1,880,951; Oct. 4.

Eyre, John J., Saugus, and H. W. Porter, Brookline, assignors to H. K. Porter, Inc., Everett, Mass. Portable cutting tool. 1,882,790; Oct. 18.

Eyrick, Philip A., Cambridge, assignor to National Company, Inc., Malden, Mass. Electric terminal clip. 1,877,830; Sept. 20.

Eyring, Carl F., Flushing, N. Y., R. L. Hanson, Summit, and W. A. MacNair, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Studio for acoustic purposes. 1,845,080; Feb. 16.

Eyster, Lewis A. (See Hand, L. R., and Eyster.)

Eyston, George E. T., assignor to Powerplus (1927) Limited, London, England. Elastic fluid compressor. 1,858,921; May 17.

Eyston, George E. T., London, assignor to Powerplus (1927) Limited, London, England. Rotary pump machine. 1,862,954; June 14.

Eyston, George E. T. assignor to Powerplus (1927) Limited, London, England. Rotary pump machine. 1,887,884; Nov. 15.

Ezbelent Fils. (See Ezbelent, Georges and R., assignors.)

Ezbelent, Georges, Paris, France. Lady's collar. Des. 86,448; Mar. 8.

Ezbelent, Georges E., Paris, France. Rotary internal combustion engine. 1,860,707; May 31.

Ezbelent, Georges and R., Paris, France, assignors to Ezbelent Fils, Plaiting Machine. 1,870,617; Aug. 9.

Ezbelent, Roger. (See Ezbelent, Georges and R.)

Ezzell, John McD., Rattan, Okla. Razor strop. 1,874,262; Aug. 30.

F. and B. Holding Company. (See Buttress, George A., assignor.)

F. B. M. Gear Syndicate, The. (See Brown, W. S. F., and Maina, assignors.)

F. & C. Manufacturing Co. (See Sokolow, S., and Preston, assignor.)

F. & M. Lawn Mower Company. (See O'Maley, Peter, assignor.)

Faas, Henry R. (See Wirshing, R. J., and Faas.)

Faas, Rudolph J., Chicago, assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Setting for plate glass and the like. 1,845,652; Feb. 16.

Faase, Frank J., Milwaukee, Wis. Cutting device. 1,841,099; Jan. 12.

Fabbrica Italiana Magneti Marelli Societa Anonima. (See Fossati, Giuseppe, assignor.)

Fabbrica Italiana Magneti Marelli Societa Anonima. (See Quintavalle, Bruno A., assignor.)

Fabbro, Anna M., et al. (See Fabbro, Louis M., assignor.)

Fabbro, Louis M., assignor of forty-five per cent to A. M. Fabbro and forty per cent to E. C. Balzhiser, Cleveland, Ohio, and fifteen per cent to C. Di Lorenzio. Vaporizer and supercharger for internal combustion engines. 1,885,697; Nov. 1.

Fabbro, Louis M., assignor of forty-five per cent to A. M. Fabbro and forty per cent to E. C. Balzhiser, Cleveland, Ohio, and fifteen per cent to C. Di Lorenzio. Vaporizer and supercharger for internal combustion engines. 1,885,698; Nov. 1.

Fabbro, Louis M., assignor of forty-five per cent to A. M. Fabbro, forty per cent to E. C. Balzhiser, and fifteen per cent to C. Di Lorenzio, Cleveland, Ohio. Vaporizer and supercharger for internal combustion engines. 1,889,647; Nov. 29.

Fabbro, Louis M., assignor of one-half to E. C. Balzhiser, Cleveland, Ohio. Fuel vaporizer. 1,889,648; Nov. 29.

Fabens, Andrew L., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Finishing metalware. 1,851,932; Mar. 29.

Faber, Arthur L., Pine Bluff, Ark. Method of and apparatus for pumping wells. 1,890,807; Dec. 13.

Faber, Edmund J., St. Louis, Mo. Sanitary holder for collapsible tubes. 1,878,715; Sept. 6.

Faber Engineering Company. (See Faber, Leon, assignor.)

Faber, Guy S., assignor to J. P. Marsh & Company, Chicago, Ill. Valve. 1,842,902; Jan. 26.

Faber, Guy S., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Differential indicating gauge. 1,887,804; Nov. 15.

Faber, Henry B. (See Driggs, L. L., and Faber.)

Faber, Ica L., Boscobel, Wis. Fastening device. 1,854,125; Apr. 12.

Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Dunellen, N. J. Charging device for concrete mixers. 1,841,100; Jan. 12.

Faber, Leon, assignor to Faber Engineering Company, Philadelphia, Pa. Soap-sudsing apparatus. 1,887,836; Nov. 15.

Faber, Paul, Baden, Switzerland. Turbine blade lashing. 1,888,795; Nov. 22.

Faber, Walter F., et al. (See Allman, John H., assignor.)

Fabian, Louis, Toledo, Ohio. Battery tool. 1,874,944; Aug. 30.

Fabry, William H. (See Butler, W. L., and Fabrey.)

Fabrey, William H., assignor to Weber Electric Company, Schenectady, N. Y. Interchangeable electrical socket. 1,873,191; Aug. 23.

Fabrey, William H., assignor to The Weber Electric Company, Schenectady, N. Y. Lamp socket and adjustable support therefor. 1,880,952; Oct. 4.

Fabrie Electrischer Apparate Sprecher & Schuh, Aktien-Gesellschaft. (See Baumberger, E., and Heusser, assignors.)

Fabrica Italiana Magneti Marelli Societa Anonima. (See Fossati, Giuseppe, assignor.)

Fabrice, Edward H., assignor to Guardian Safety Seal Company, Chicago, Ill. Bottle sealing cap. 1,876,431; Sept. 6.
Fabrik Elektrischer Zunder G. m. b. H. (See Schürmann, Julius, assignor.)
Fabrik Explosionssicherer Gefasse Salzkotten G. m. b. H. (See Hurlbrink, Ernst, assignor.)
Fabre, Axel O., Memphis, Tenn. Device for varying the pitch of propellers. 1,852,204; Apr. 5.
Fabrique Soliil des Montres Paul Ditisheim Societe Anonyme. (See Dubois, Werner A., assignor.)
Fabyan, George. (See Eisenhour, Bert E., assignor.)
Factor, Max, & Co. (See Westmore, Percy H., assignor.)
Faerber, Eduard. (See Bergius, F., Koch, and Faerber.)
Fafnir Bearing Company, The. (See Bechert, Fred J., assignor.)
Fafnir Bearing Company, The. (See Houston, Levi C., assignor.)
Fafnir Bearing Company, The. (See Leister, Fayette, assignor.)
Fafnir Bearing Company, The. (See Melcher, Lee W., assignor.)
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fafnir Bearing Company, The. (See Searles, R. R., and Leister, assignors.)
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Fagan, Charles D., Sharon, Pa., and G. Ramsey, Brooklyn, N. Y., assignors to Sharpsville Boiler Works Company, Sharpsville, Pa. Valve for gasoline dispensing systems. 1,866,712; Feb. 23.
Fagan, James M., Maplewood, N. J., assignor to Westinghouse Lamp Company. Making mercury switches. 1,871,831; Aug. 9.
Fagan, John T., Cleveland Heights, Ohio, assignor to General Electric Company. Flash light device. 1,859,908; Apr. 12.
Fageol, Frank R., Oakland, Calif., assignor to Twin Coach Company, Kent, Ohio. Railway rolling stock and road vehicle construction. 1,860,137; Sept. 27.
Fageol, Rollie B., Oakland, Calif. Road vehicle. 1,866,637; July 12.
Fageol, Rollie B., Los Angeles, Calif., assignor to Eight-Wheel Motor Vehicle Company. Road vehicle. 1,863,974; June 21.
Fageol, Rollie B., Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Multiple wheel road vehicle. 1,871,432; Aug. 9.
Fageol, William B., Kent, Ohio; Twin Coach Company, Kent, Ohio. Motor vehicle. Dec. 87,875; Oct. 4.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Motor coach. 1,861,001; May 31.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Passenger carrying motor vehicle. 1,861,002; May 31.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Motor vehicle and constructing the same. 1,877,653; Sept. 13.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Rail car construction. 1,880,953; Oct. 4.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Rail car. 1,883,357; Oct. 18.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Internal combustion engine. 1,887,998; Nov. 15.
Fageros, Edgar D., Minneapolis, Minn. Bread toaster. 1,839,539; Jan. 5.
Fagg, Mead I. (See Ikerman, Wayne E., assignor.)
Fagin, Charles R., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,892,266; Dec. 27.
Fagonde, Julian, Banfield, Argentina. Carcass cutting device. 1,855,091; Apr. 26.
Faherty, Michael W., Van Nuys, Calif. Humidity control for cooking heaters. 1,859,732; May 24.
Fahnestock, Charles M., deceased; G. C. Fahnestock, administrator, Cincinnati, Ohio. Truck. 1,852,452; Apr. 5.
Fahnestock, George C., administrator. (See Fahnestock, Charles M.)
Fahr, Rudolf, and R. Keinke, Neurcessen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the separation of finely divided substances. 1,861,156; May 31.
Fahrbach, Harry, Riga, Latvia. Regenerator. 1,871,166; Aug. 9.
Fahrenhorst, Johannes, K. Goergel, and F. Kraegeloh, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic reaction. 1,851,762; Mar. 29.
Fahrenwald, Frank A., Chicago, Ill. Furnace. 1,840,661; Jan. 12.
Fahrenwald, Frank A., Chicago, Ill. Multiple unit fire resisting inclosure. 1,840,942; Jan. 12.
Fahrenwald, Frank A., Chicago, Ill. Conveying elements for heat treating furnaces. 1,849,287; Mar. 15.
Fahrenwald, Frank A., Chicago, Ill. Electric furnace resistor element. 1,849,288; Mar. 15.
Fahrenwald, Frank A., Chicago, Ill. Heat resisting damper assembly. 1,872,434; Aug. 16.
Fahrenwald, Frank A., Chicago, Ill. Work supporting bar for enameling furnaces. 1,872,629; Aug. 16.
Fahrenwald, Frank A., Chicago, Ill. Furnace conveyor shaft with disks. 1,872,711; Aug. 23.
Fahrenwald, Frank A., Chicago, Ill. Lead pan. 1,872,712; Aug. 23.
Fahrenwald, Frank A., Chicago Heights, Ill. Apparatus for heat treating objects. 1,872,713; Aug. 23.
Fahrenwald, Frank A., Chicago, Ill. Furnace. 1,880,954; Oct. 4.
Fahrenwald, Frank A., Chicago, assignor to American Manganese Steel Company, Chicago Heights, Ill. Improving the quality of link pins. 1,859,503; May 24.
Fahrney, Callo D., Cambridge, Mass. Television. 1,862,743; June 14.
Fahrney, Callo D., Cambridge, Mass. Television receiver. 1,889,727; Nov. 29.
Fahrney, Emery H., Chicago, Ill. Process of and apparatus for carbonating liquids. 1,874,091; Aug. 30.
Fahrney, Emery H., Chicago, Ill. Protecting the propeller and rudder of boats. 1,858,582; May 17.
Fahrney, Emery H., Chicago, Ill. Starting device for engines. 1,858,583; May 17.
Fahrney, Emery H., Chicago, Ill. Temperature and flow indicator and flow control of cooling water for motors. 1,874,263; Aug. 30.
Fahrney, Emery H., Chicago, Ill. Protecting the propellers and rudders of boats. 1,890,938; Dec. 13.
Fahrney, Emery H., Chicago, Ill. Supporting rack structure. 1,890,939; Dec. 13.
Fahrney, Lawrence, nee Rashland, Anita B., assignor.)
Failing, George E., Enid, assignor to Garbec Tool Company, Garber, Okla.; E. A. Reed trustee of said corporation, bankrupt. Rock bit cone. 1,840,390; Jan. 12.
Failing, George E., assignor to Garber Tool Company, Garber, Okla.; E. A. Reed, trustee of said corporation, bankrupt. Rock bit cone. 1,847,824; Mar. 1.
Fallor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,856,754; May 3.
Fallor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,887,261; Nov. 8.
Fain, Walter C., assignor to Wainslo Manufacturing Corporation, Norfolk, Va. Collapsible furnishings. 1,841,282; Jan. 12.
Fain, Walter C., assignor to Wainslo Manufacturing Corporation, Norfolk, Va. Concealable furnishing. 1,870,719; Aug. 9.
Fair, Alvan S., Socorro, N. Mex. Service station or similar building structure. Des. 88,512; Dec. 6.
Fair, Joseph C., Fort Wayne, Ind. Tire pressure gauge. 1,875,862; Sept. 6.
Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Viscosimeter. 1,863,522; June 14.
Fairbairn Lawson Combe Barbour Limited. (See Parker, Albert F., assignor.)
Fairbank, Murry N., Cold Spring Harbor, N. Y. Aeroplane wheel. 1,880,079; Sept. 27.
Fairbanks, Clarence T., assignor to Edward & Deutsch Lithographing Company, Chicago, Ill. Advertising sign. 1,866,554; July 12.
Fairbanks, E. and T., and Company. (See Hadley, Harlan A., assignor.)
Fairbanks, E. and T., and Company. (See Starr, Morton H., assignor.)
Fairbanks, Morse & Co. (See Adams, Edward T., assignor.)
Fairbanks, Morse & Co. (See Boock, Alfred C., assignor.)
Fairbanks, Morse & Co. (See Cox, Henry G., assignor.)
Fairbanks, Morse & Co. (See Fish, Elbert J., assignor.)
Fairbanks, Morse & Co. (See Goldberg, Morris J., assignor.)
Fairbanks, Morse & Co. (See Heath, William C., assignor.)
Fairbanks, Morse & Co. (See Jackson, Lawrence B., assignor.)
Fairbanks, Morse & Company. (See Jahnke, Charles B., assignor.)
Fairbanks, Morse & Co. (See Jahnke, C. B., and Boock, assignors.)
Fairbanks, Morse & Co. (See Lentell, John H., jr., assignor.)
Fairbanks, Morse & Co. (See Mahana, C. G., and Gross, assignors.)
Fairbanks, Morse & Co. (See Snyder, James O., assignor.)
Fairbanks, Morse & Co. (See Strom, Herbert, assignor.)
Fairbanks, Morse & Co. (See Whitesell, Frederick N., assignor.)
Fairchild Aerial Camera Corporation. (See Briechle, A., Lutz, and Rattray, assignors.)
Fairchild Aerial Camera Corporation. (See Lutz, F. W., and Briechle, assignors.)
Fairchild Aerial Surveys, Inc. (See Corlett, E. H., and Smith, assignors.)
Fairchild Aviation Corporation. (See Horton, Winthrop S., assignor.)
Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Clutch lock. 1,843,114; Feb. 2.
Fairchild, Charles N., New Haven, Conn., assignor to American Debenture Corporation, New York, N. Y. Padlock. 1,844,569; Feb. 9.

Fairchild, E. E., Corporation. (See Cooke, Allen B., assignor.)
Fairchild, Edwin B., Manila, P. I. Self locking cap for gasoline tanks. 1,839,662; Jan. 5.
Fairchild Lock Corporation. (See Fairchild, Charles N., assignor.)
Fairchild, Oscar H. (See Morrell, J. C., and Fairchild.)
Fairchild, William, assignor to A. P. W. Paper Company, Inc., Albany, N. Y. Wrapper. 1,848,119; Mar. 8.
Fairchild, William, assignor to A. P. W. Paper Co., Albany, N. Y. Apparatus for dispensing. 1,876,649; Sept. 13.
Fairey, Charles R. (See Lyon, G., Fairey, and Barlow.)
Fairfax, Howard G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,850,710; Mar. 22.
Fairfield Engineering Company, The. (See Prettyman, Jacob H., assignor.)
Fairfield Manufacturing Company, The. (See Ross, David E., assignor.)
Fairfield Specialties Corporation. (See Hoban, Fairfield W., assignor.)
Fairhurst, Isaac J. D., Manchester, Iowa. Chain hook. 1,851,821; Mar. 29.
Fairley, Philiferro J., Sterlington, assignor of one-half to W. J. Hunter and one-half to M. P. Hunter, Shreveport, La. Reclaiming rubber. 1,843,216; Feb. 2.
Fairley, Philiferro J., Sterlington, assignor of one-half to W. J. Hunter and one-half to M. P. Hunter, Shreveport, La. Treating rubber. 1,843,388; Feb. 2.
Fairlie, Thomas W., Cathcart, Glasgow, Scotland. Smoker's ash tray. 1,892,046; Dec. 27.
Fairmont Canning Company. (See Wentworth, Amaziah F., assignor.)
Fairmont Railway Motors, Incorporated. (See Huff, William D., assignor.)
Fairmont Railway Motors, Inc. (See Walters, William R., assignor.)
Fairweather, Charles B., West Chester, Pa. Forming nozzles. 1,853,556; Apr. 12.
Fairweather, David A. W., et al. (See Drescher, H. A. E., Fairweather, and Thomas.)
Fairweather, David A. W., and R. F. Thomson, assignors to Imperial Chemical Industries Limited, Stirling, Scotland. Production of 2-Aminoanthrahydroquinone 9:10-disulphuric ester and its salts. 1,873,504; Aug. 23.
Fairweather, David A. W., Grangemouth, and J. Thomas, Kingarth, Polmont, Scotland, assignor to Imperial Chemical Industries Ltd. Dye and dyeing. 1,886,947; Nov. 8.
Fait, William A., assignor of one-half to J. Brandt, New York, N. Y. Aeroplane lifting and driving device. 1,850,711; Mar. 22.
Faitelowitz, Arnold, assignor to Ludwig M. Lippmann, Berlin, Germany. Extracting the nicotine from tobacco. 1,876,214; Sept. 6.
Faith, Stephen, Chicago, Ill. Vehicle ornament. Des. 88,639; Dec. 13.
Falardeau, Victor W., assignor to Cooley-Wright Manufacturing Company, Incorporated, Waterbury, Vt. Sand blast nozzle. 1,889,979; Dec. 6.
Falck, Joseph E., Pittsburgh, Pa. Burial casket. Des. 86,563; Mar. 25.
Falck, Joseph E., Pittsburgh, Pa. Burial casket. Des. 87,828; Sept. 27.
Falck, Sirl, Stockholm, Sweden. Massage roller. 1,854,490; Oct. 11.
Falcke, Emil, Berlin, Germany, assignor to General Electric Company, Notching device. 1,875,229; Aug. 30.
Falconer, Harry W. (See Ross, Hugh C., assignor.)
Falconer, Jenny D. (See Wilkins, Thomas M., assignor.)
Falconer, Stuart A. (See Christmann, L. J., and Falconer.)
Falconer, Stuart A., Elizabeth, and L. J. Christmann, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. Method and agent for recovery of oxidized cyanides. 1,858,007; May 10.
Fales, Harold A. (See Dornhofer, Louis J., assignor.)
Falge, Robert N., assignor to General Motors Research Corporation, Detroit, Mich. Three filament bulb. 1,859,661; May 24.
Falge, Robert N., assignor to General Motors Research Corporation, Detroit, Mich. Headlamp lens. 1,862,078; June 7.
Falze, Robert N., Birmingham, Mich., and W. C. Brown, East Cleveland, Ohio, assignors to General Electric Company. Vehicle head lamp. 1,871,505; Aug. 16.
Falk, Clinton L., Los Angeles, Calif. Vehicle. 1,881,070; Oct. 4.
Falk Corporation, The. (See Bibby, James, assignor.)
Falk Corporation, The. (See Frentzel, Herman E., assignor.)
Falk, Morris, Fitchburg, Mass. Master key disk lock. 1,886,991; May 21.
Falk, Morris, Leominster, assignor to Independent Lock Co., Fitchburg, Mass. Lock. 1,891,214; Dec. 13.
Falk, Oscar L., Maywood, Ill. Weed exterminator. 1,842,903; Jan. 26.
Falkenstein, Coburn B., San Bernardino, assignor to Globe Oil Tools Co., Los Netos, Calif. Insert for sand molds. 1,844,351; Feb. 9.
Falkenstein, Louis F., et al. (See Hill, Edward E., assignor.)
Falkenthal, Erwin, Berlin-Dahlem, Germany, assignor of 50 per cent to Radio Patents Corporation, New York, N. Y. Electromagnetic apparatus. 1,877,569; Sept. 13.
Falkenwalde, Oscar, and R. H. Lyon, Baltimore, Md. Whirl fire oil burners. 1,891,577; Dec. 20.
Falkson, Isidor, Chicago, Ill. Headgear. 1,868,281; July 19.
Fall, Albert P., assignor to The Wel-Ever Piston Ring Company, Toledo, Ohio. Chamfering tool. 1,848,418; Mar. 8.
Faller, Ernest A., Brooklyn, N. Y. Fire alarm succession box. 1,882,071; Oct. 11.
Fallert, Fritz, Bern, Switzerland. Rotary printing machine which prints from a flat type face. 1,851,089; Mar. 29.
Falleson, John A., Rochester, N. Y., assignor to Union Tool Company. Nonrepeat mechanism for power presses. 1,872,132; Aug. 16.
Falley, Lewis H., assignor to M. H. Falley, Kansas City, Mo. Current retarding and deflecting device. 1,849,271; Jan. 5.
Falley, M. H. (See Falley, Lewis H., assignor.)
Fallon, William J., jr., Boston, Mass. Making cork welting. 1,854,183; Apr. 19.
Fallou, Jean G., assignor to Union d'Electricite, Paris, France. Connection for feeding wattmetrical relays adapted to protect electric mains. 1,854,333; Apr. 19.
Falstrom, Henry W., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Holder for ornaments. 1,880,955; Oct. 4.
Falter, Philip H., Orange, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing ammonia. 1,889,955; Dec. 6.
Faltermayer, Harry, Philadelphia, Pa. Pipe line connection for tanks. 1,878,834; Sept. 20.
Falvo, Pietro, Indio, Calif. Nursing bottle support. 1,857,715; May 10.
Falwell, Wray, Allston, Mass. Valve spring lock tool. 1,891,803; Dec. 20.
Fanarzian, John, et al. (See Kasparian, Mehran, assignor.)
Fanarjian, John, Union City, assignor of one-fourth to J. F. O'Brien, Englewood, N. J. Cabinet. 1,846,713; Feb. 23.
Fancher, Charles J., Windsor, Vt., assignor, by mesne assignments, to Woodward Hubbard Company, Hill, N. H. Glass cutter. 1,884,385; Oct. 25.
Fancher, Howard M., assignor to The Rochester Folding Box Co., Rochester, N. Y. Collapsible playhouse. 1,845,254; Feb. 16.
Fancher, Howard M., assignor to The Rochester Folding Box Co., Rochester, N. Y. Toy fireplace. 1,866,155; July 5.
Fancher, Howard M., assignor to The Rochester Folding Box Co., Rochester, N. Y. Toy cabinet. 1,890,846; Dec. 13.
Fankboner, Harland, Chicago, Ill., assignor to The Goss Printing Press Company. Gripping mechanism. 1,843,754; Feb. 2.
Fankboner, Harland, Chicago, Ill., assignor to The Goss Printing Press Company. Inking mechanism. 1,862,744; June 14.
Fanner Manufacturing Company, The. (See Gibson, Samuel H., assignor.)
Fanner Manufacturing Company, The. (See Menzl, John B., assignor.)
Fanning, Joseph E., East Orange, N. J. Watch chain. Des. 86,449; Mar. 8.
Fanselau, Werner, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft Siemensstadt, near Berlin, Germany. Electrolytic production of tin from alkali stannate or alkali stannite lyes. 1,857,752; May 10.
Fansteel Products Company. (See Austin, Miner M., assignor.)
Fansteel Products Company. (See Balke, Clarence W., assignor.)
Fansteel Products Company. (See Bradbury, Clifford C., assignor.)
Fansteel Products Company. (See Engle, Edgar W., assignor.)
Fantacl, Joseph, Rochester, N. Y. Closure operating means. 1,848,942; Mar. 8.
Fantail Boat Corporation. (See Plum, Johannes, assignor.)
Fanto, Emil C., Fairfield, assignor to McKesson & Robbins, Inc., Bridgeport, Conn. Preparing heptaldehyde. 1,886,538; Nov. 8.
Fantz, Fred C. (See Crowe, Morton B., assignor.)
Fantz, Fred C. (See Crowe, M. B., and Getzen.)
Fantz, Fred C. (See Stewart, Roy L., assignor.)
Fantz, Fred C. (See Stockham, Herbert C., assignor.)
Fantz, Fred C., Webster Groves, Mo. Return bend. 1,841,577; Jan. 19.
Fantz, Fred C., Webster Groves, Mo. Return bend. 1,843,125; Feb. 2.
Fantz, Fred C., Webster Groves, Mo. Return bend. 1,866,636; July 12.
Fantz, Fred C., Webster Groves, Mo. Return bend fittings for oil stills. 1,868,164; July 19.
Fantz, Fred C., Webster Groves, Mo. Oil burner. 1,874,002; Aug. 30.
Fantz, Fred C., Webster Groves, Mo. Housing for return bends. 1,874,003; Aug. 30.

Fantz, Fred C., Webster Groves, Mo. Return bend fittings for oil stills. 1,874,004; Aug. 30.
Fara, Angelo, et al. (See Rossi, Joseph P., assignor.)
Faragher, Warren F., Woodbury, N. J., assignor to Universal Oil Products Company, Chicago, Ill., Producing catalysts. 1,865,180; June 28.
Färber, Eduard, assignor to Holzhydrolyse Aktiengesellschaft, Heidelberg, Germany. Saccharification of vegetable material containing pentosans. 1,851,822; Mar. 29.
Färber, Eduard, assignor to Holzhydrolyse Aktiengesellschaft, Heidelberg, Germany. Purification of wood sugar. 1,863,654; June 21.
Farber, Leon (See Willmott, John J., assignor.)
Farber, S. W., Inc. (See Murphy, Frank J., assignor.)
Farch, Mogens N., Shaker Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Door seal. 1,847,335; Mar. 1.
Fargher, Robert G., Leslie Galloway and M. E. Probert, Manchester, assignors to The British Cotton Industry Research Association, Didsbury, England. Proofing or like treatment of materials to protect them from mildew and other fungoid growths. 1,873,265; Aug. 23.
Fargo Corporation, The. (See O'Neill, Frank, jr., assignor.)
Farichio, Andrew, Schenectady, N. Y. Jar holder. 1,858,144; May 10.
Faries Manufacturing Company. (See Grady, William J., assignor.)
Faries Manufacturing Company. (See Hansen, Jasper, assignor.)
Faries Manufacturing Company. (See McDonald, Edward F., assignor.)
Faries Manufacturing Company. (See Smith, Joseph L., assignor.)
Faries, Robert, St. Davids, Pa. Rail joint. 1,843,448; Feb. 2.
Faries, Robert, St. Davids, Pa. Railroad tie plate. 1,862,520; June 14.
Faries, Robert, St. Davids, and R. H. Boyd, Philadelphia, Pa. Anchorage for rail tie plates. 1,855,850; Apr. 26.
Faries, Robert, St. Davids, and C. D. Young, Haverford, Pa. Rail and assembling the same. 1,856,911. May 3.
Faries, Robert, St. Davids, and R. H. Boyd, Philadelphia, Pa. Rail retaining member. 1,862,521; June 14.
Faries, Robert, St. Davids, and C. D. Young, Haverford, Pa. Rail. 1,862,669; June 14.
Faries, Robert, St. Davids, and C. D. Young, Haverford, Pa. Rail retaining key. 1,863,196; June 14.
Faries, Robert, St. Davids, and C. D. Young, Haverford, Pa. Rail retaining key. 1,873,397; June 14.
Faris, Joseph H., Denison, Iowa. Egg candling device. 1,856,037; Apr. 26.
Farish, Ralph A. (See Kroyer, C. H., and Farish.)
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle spring suspension. 1,850,904; Mar. 15.
Farkas, Michael J., Bridgeport, Conn. Reciprocatory hand tool for flexible shafts. 1,866,529; July 12.
Farland, Miles L., Oakland, Calif. Pipe. 1,875,432; Sept. 6.
Farley, Cyrus H., Portland, Me. Ventilator. 1,870,720; Aug. 9.
Farley, Edward L., Jonesboro, Ark. Fish lure. 1,854,024; Apr. 12.
Farley, Francis J. (See Blum, H., and Farley.)
Farley, Francis J., McKees Rocks, Pa. Signaling device. Des. 87,776; Sept. 20.
Farley, Francis S., Trenton, N. J., assignor to D. M. Sutherland, jr., Morrisville, Pa. Drier for fiber board. 1,853,887; Oct. 25.
Farley, Francis S., Trenton, N. J., assignor to D. M. Sutherland, jr., Morrisville, Pa. Mold for fiber pulp. 1,853,888; Oct. 25.
Farley, Francis S., Trenton, N. J., assignor to D. M. Sutherland, jr., Morrisville, Pa. Apparatus for feeding and aligning sheet material. 1,853,889; Oct. 25.
Farley, Francis S., Trenton, N. J., assignor to D. M. Sutherland, jr., Morrisville, Pa. Apparatus for feeding and aligning sheet material. 1,883,890; Oct. 25.
Farley, Francis S., and H. F. Walter, Trenton, N. J., assignors to D. M. Sutherland, jr., Morrisville, Pa. Mold for fiber sheets. 1,855,826; Apr. 26.
Farley, Frank, St. Paul, Minn. Letter bundle binder and carrier. 1,871,263; Aug. 9.
Farley, Fred W., Los Angeles, Calif. Artificial bait or lure. 1,848,704; Mar. 8.
Farley, George E., assignor to Service Equipment Company, South Gate, Calif. Tire pressure gauge. 1,850,541; Mar. 22.
Farley, George E., assignor to Service Equipment Company, South Gate, Calif. Swiveled tire inflating chuck. 1,889,980; Dec. 6.
Farley, George W., Eureka, Calif. Slug lever actuator for type casting machines. 1,847,428; Mar. 1.
Farley, John W., Cleveland, Ohio. Cup plate for protecting ends of pipe coverings. 1,873,747; Aug. 23.
Farley & Loetscher Mfg. Co. (See Loetscher, Emil C., assignor.)
Farley, Otis N., Lynden, Wash. Power steering mechanism for automobiles. 1,872,714; Aug. 23.
Farley, Preston J., Califon, N. J. Spool with reenforced head. 1,876,215; Sept. 6.
Farley, Roland, New York, N. Y. Window lock. 1,850,230; Mar. 22.
Farley, Theodore S., and C. F. Whitney, Scotia, N. Y., assignors to General Electric Company. Carrier current supervisory system. 1,844,648; Feb. 9.
Farley, Treffle, assignor of one-half to W. McGonagle, Yakima, Wash. Fruit washer and drier. 1,852,405; Apr. 5.
Farley, Treffle, Selah, assignor of one-half to W. McGonagle, Yakima, Wash. Fruit cleaning apparatus. 1,873,822; Aug. 23.
Farm Specialty Company, The. (See Lamiell, Earld H., assignor.)
Farnan, Henri et Maurice. (See Waselge, Charles R., assignor.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake pipe cut-off valve. 1,842,514; Jan. 26.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Train pipe connecter. 1,842,515; Jan. 26.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Emergency valve mechanism. 1,842,516; Jan. 26.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,842,517; Jan. 26.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Warning device for fluid pressure. 1,842,518; Jan. 26.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,842,519; Jan. 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,845,492; Feb. 16.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake application valve. 1,850,621; Mar. 22.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake and signal system. 1,865,093; June 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 1,879,668; Sept. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retarded release stop. 1,879,670; Sept. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,879,671; Sept. 27.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric train wire coupling. 1,880,193; Oct. 4.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car control device. 1,880,958; Oct. 4.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifying apparatus. 1,887,589; Nov. 15.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,887,590; Nov. 15.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,891,671; Dec. 20.
Farmer, Clyde C., Pittsburgh, and E. E. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,879,669; Sept. 27.
Farmer, Clyde C., Pittsburgh, and J. C. McCune, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder. 1,879,667; Sept. 27.
Farmer, Francis C., assignor to J. Grant, Los Angeles, Calif. Underreaming tool. 1,843,667; Feb. 2.
Farmer, Francis C., assignor to J. Grant, Los Angeles, Calif. Underreamer. 1,843,668; Feb. 2.
Farmer, Fred B., Eugene, Oreg., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,891,672; Dec. 20.
Farmer, Fred R., Wilmette, Ill. Lighting fixture. 1,870,618; Aug. 9.
Farmer, Horace E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for forming holes in articles. 1,876,650; Sept. 13.
Farmer, John F., Indianapolis, Ind. Dispensing machine. 1,880,956; Oct. 4.
Farmer, Thaddeus H., Oklahoma City, Okla. Poster display holder or frame. 1,840,890; Jan. 12.
Farmer, Thomas, jr., Hammonton, N. Y. Windshield wiper. 1,866,700; July 12.
Farnam, Julian P., assignor to Page & Hill Co., Minneapolis, Minn. Light post. Des. 88,513; Dec. 6.
Farnham, Frank E., assignor to The Jewelers Supply Company, Providence, R. I. Pinstem. 1,841,885; Jan. 19.
Farnham, Ivan R. (See Jauch, R. J., Farnham, and Arnold.)
Farnham, Merton W., Batavia, N. Y. Gasoline vending machine. 1,885,091; Oct. 25.
Farnham, Paul B., Hammonton, N. J., assignor to Radio Corporation of America. Tunable dynatron amplifier. 1,890,503; Dec. 13.

Farnham, Ralph A., Herkimer, assignor, by mesne assignments, to Holed-Tite Packing Corporation, New York, N. Y. Mechanism for removing articles from their carrying trays. 1,858,732 ; May 17.

Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable reel locomotive. 1,867,141 ; July 12.

Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading device. 1,877,286 ; Sept. 13.

Farnstrom, Albin, assignor of one-half to J. S. Ventrelle, Detroit, Mich. Grading attachment for steam shovels. 1,844,465 ; Feb. 9.

Farnsworth, Frodyce B. (See Edwards, F. W., and Farnsworth.)

Farnsworth, Hiland R., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Suction box lever for suction rolls. 1,858,545 ; May 17.

Farnsworth, Hiland R., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Yankee Fourdrinier machine. 1,858,546 ; May 17.

Farnsworth, Philo T., Berkeley, assignor, by mesne assignments, to Television Laboratories, Inc., San Francisco, Calif. Synchronizing system. 1,844,949 ; Feb. 16.

Farr, Henry V., New Mallinckrodt, E., and Farr.)

Farr, James R., Los Angeles, Calif. Hose coupling. 1,852,962 ; Apr. 5.

Farr, Stewart M., Detroit, Mich. Lactobacillus acidophilus milk products and their manufacture. 1,851,165 ; Mar. 29.

Farr, Warren H. (See Tarbox, J. P., and Farr.)

Farr, Willard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Motor. 1,839,540 ; Jan. 5.

Farrasto, Carmen M., New York, N. Y. Propulsion of ships or the like. 1,869,136 ; July 26.

Farrand, Clair L., Forest Hills, assignor to Lektophone Corporation, New York, N. Y. Sound control apparatus. 1,847,935 ; Mar. 1.

Farrand, Clair L., Forest Hills, New York, N. Y., assignor to Lektophone Corporation, Jersey City, N. J. Loud speaker. 1,856,168 ; Apr. 19.

Farrar, Alec. (See Bennet, W., Farrar, and MacKinnon.)

Farrar, Cecil W. (See Hagopian, Vahan, assignor.)

Farrar, Mercer G., Scarsdale, N. Y., and W. D. Bentley, Bloomfield, N. J., assignors to National Carbon Co., Inc. Gas distribution system. 1,854,893 ; Apr. 19.

Farrel-Birmingham Company. (See Banbury, Fernley H., assignor.)

Farrel-Birmingham Company. (See Carroll, Willard R., assignor.)

Farrel-Birmingham Company. (See Farrel, Franklin, jr., assignor.)

Farrel-Birmingham Company. (See Gordon, William A., assignor.)

Farrel-Birmingham Company. (See Gregory, D. J., and Tifft, assignors.)

Farrel-Birmingham Company. (See Leahy, James F., assignor.)

Farrel-Birmingham Company. (See Lewis, R. C., and Schnuck, assignors.)

Farrel-Birmingham Company. (See Morey, C., and Schnuck, assignors.)

Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)

Farrel-Birmingham Company Inc. et al. (See Schnuck, C. F., and Kuntzey, assignors.)

Farrel, Franklin, jr., New Haven, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., tane mill. 1,845,140 ; Feb. 16.

Farrell, Anna E., Seattle, Wash. Hair waver. 1,889,854 ; Dec. 6.

Farrell, Daniel A., and J. E. Johnson, assignor to John F. Jelke Company, Chicago, Ill. Article inserting machine. 1,881,422 ; Oct. 11.

Farrell, James E., and J. I. Gaskill, assignors to West Boylston Manufacturing Company, Easthampton, Mass. Separator for twisting and spinning machines. 1,867,401 ; July 12.

Farrell, James H., Richmond, and C. T. Westmoreland, West Point, Va. Combined furniture and radio receiving apparatus. 1,857,716 ; May 10.

Farrell, John J., Villanova, Pa. Garment supporter. 1,845,255 ; Feb. 16.

Farrell, L. D. (See Takavec, John, assignor.)

Farrell, Michael J., and L. Staffaroni, Scranton, Pa. Railroad crossing gate. 1,871,167 ; Aug. 9.

Farrell, Stephen A., Brooklyn, N. Y. Power and motion transmission mechanism. 1,862,471 ; June 7.

Farrelly, Peter E., Chester, Pa. Binder for sales coupons. 1,847,825 ; Mar. 1.

Farren, William R., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Explosive assembly. 1,848,333 ; Mar. 8.

Farren, William R., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Water-tight explosive cartridge. 1,890,726 ; Dec. 13.

Farrington, Bruce B. (See Hampton, W. H., and Farrington.)

Farrington, James C., La Fayette, Ind. Container for milk bottles and the like. 1,863,301 ; June 14.

Farrington, John F. (See Heising, Raymond A., and Farrington.)

Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)

Farrington, Thomas H., Stockton, Calif. Blue flame gas burner. 1,842,395 ; Jan. 26.

Farris, Clayton, et al. (See Christie, Walter, assignor.)

Farrow, Charles E., et al. (See Rhoades, Dewey V., assignor.)

Farrow, Harlan W., et al. (See Rhoades, Dewey V., assignor.)

Farrow, Tom, Ashton-under-Ryne, England. Machine for forming the ends of paper tubes. 1,873,366 ; Aug. 23.

Farup, Peder, Vettakollen, Vestre Aker, assignor to Titan Co. A/S, Fredrikstad, Norway. Treating titaniferous materials with acid. 1,852,510 ; Apr. 5.

Farwell Ozmun Kirk & Co. (See Marzolf, George B., assignor.)

Fascelo, Carlo G. (See Turola, R., and Fascelo.)

Fasching, Ernst A., San Francisco, Calif. Table. 1,861,305 ; May 31.

Fashionlox, Incorporated. (See Belber, Edmond H., assignor.)

Fassett, George R., Atlanta, Ga., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Spring adjustment. 1,876,138 ; Sept. 6.

Fassett, Truman E., Sarasota, Fla. Apparatus for transmitting and receiving vocal sounds. 1,879,148 ; Sept. 27.

Fasset, William H., St. Paul, Minn. Folding window screen and receptacle. 1,845,653 ; Feb. 16.

Fassman, Bruno, Tempelhof, Berlin, Germany, assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,842,069 ; Jan. 19.

Fassman, Sam. (See Fessler, M. J., and Fassman.)

Fassnacht, Karl, Providence, R. I., assignor to Speidel Corporation. Chain for personal adornment. Des. 87,910 ; Oct. 21.

Fassnacht, Karl, assignor to Speidel Chain Co., Providence, R. I. Extensible bracelet. 1,851,823 ; Mar. 29.

Fast, Gustave, assignor to Gustave Fast Engineering Corporation, Annapolis, Md. Brake and clutch construction. 1,885,516 ; Nov. 1.

Fast Gustave, Engineering Corporation. (See Fast, Gustave, assignor.)

Fate-Root-Heath Company, The. (See Root, Percy H., assignor.)

Fatland, Harold E., Chicago, Ill. Speed changing gear. 1,864,992 ; June 28.

Fatta, Elias G., Amsterdam, N. Y. Knitting machine attachment. 1,841,022 ; Jan. 12.

Faudi, Fritz, et al. (See Karsten, Peter, assignor.)

Faudi, Fritz, Dusseldorf-Oberkassel, Germany. Coupling. 1,868,891 ; July 26.

Faughnan, Richard W. (See Freund, Philip, assignor.)

Faulds, Norval M., Clearwater, Fla. Apparatus for extracting and collecting fruit juice. 1,888,628 ; Nov. 22.

Faulds, Norval M., Clearwater, Fla. Fruit juice extractor. 1,888,529 ; Nov. 22.

Faulk, Sebastian C., Burleson, Tex. Peanut harvester. 1,859,358 ; May 24.

Faulkner, Charles W., Welland, Ontario, Canada. Pipe coupling. 1,857,297 ; May 10.

Faulkner, David S. (See Zerbe, L. E., and Faulkner.)

Faulkner, David S., Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Brake rim construction. 1,853,118 ; Apr. 12.

Faulkner, David S., Los Angeles, Calif., assignor of one-half to The National Supply Company, Toledo, Ohio, and one-half to Emsco Derrick and Equipment Company, Los Angeles, Calif. Rotary machine. 1,875,430 ; Sept. 6.

Faulkner, David S., and E. Timbs, Los Angeles, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Rotary drawworks. 1,863,401 ; June 14.

Faulkner, David S., Los Angeles, and L. E. Zerbe, Moneta, Calif., assignors to The National Supply Company, Toledo, Ohio. Multiple speed gear driven drilling control. 1,874,264 ; Aug. 30.

Faulkner, Harold C., Springfield, Mass., assignor to National Laundry Machinery Company, Inc., Wilmington, Del. Neckband clamp. 1,851,501 ; Mar. 29.

Faulman, Arthur G., Detroit, Mich. Rotary motor. 1,858,894 ; Feb. 16.

Faultless Caster Company. (See Brokaw, Edward A., and Noelting, assignors.)

Faultless Caster Company. (See Noelting, A. H., and Van Duesen, assignors.)

Faultless Caster Company. (See Noelting, William H., assignor.)

Faultless Caster Company. (See Noelting, W. H., and Brokaw, assignors.)

Faultless Manufacturing Company, The. (See Hargreaves, John F., assignor.)

Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)

Faunce, Benjamin F., assignor to The Brown-Fayro Company, Johnstown, Pa. Hub closure for mine car wheels. 1,881,071 ; Oct. 4.

Faunce, Benjamin F., Westmont, Johnstown, and W. H. Statler, Johnstown, Pa., assignors to Bethlehem Steel Company. Mine car. 1,862,670 ; June 14.

Fauntleroy, Robert R., St. Charles, Ill. Conveyer chain. 1,858,079 ; May 10.

Faure, André, Ivry, assignor to Etablissements Julien Damoy Société Anonyme, Paris, France. Automatic continuous molding machine. 1,840,438; Jan. 12.

Faure, Jean M. A., assignor to Societe A. Faure & Cie., Limoges, France. Moistening ceramic articles while shaping them. 1,839,750; Jan. 5.

Faus, Harold T. (See Kinnard, I. F., and Faus.)

Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Measuring instrument. 1,847,936; Mar. 1.

Faus, Herbert W., White Plains, N. Y. Freight handling apparatus. 1,884,636; Oct. 25.

Fausch, Clarence. (See Thomas, R., and Fausch.)

Fausek, Arthur J. and I. F., St. Louis, Mo. Electrode holder. 1,851,039; Mar. 29.

Fausek, Arthur J. and I. F., Clayton, Mo. Lighting device. 1,853,205; Apr. 12.

Fausek, Arthur J. and I. F., Clayton, Mo. Cutting machine. 1,862,843; June 14.

Fausek, Irwing F. (See Fausek, Arthur J. and I. F.)

Fauser, Giacomo, Novara, assignor to Montecatini, Societa Generale per l'Industria Mineraria ed Agricola, Milan, Italy. Electrolyzer for the production of hydrogen and oxygen. 1,864,344; June 21.

Fauser, Gustave M., Jackson-Hudson, N. Y. Printed floor covering. Des. 88,147; Nov. 1.

Fauser, Gustave M., Ardsley on Hudson, N. Y., assignor to Atkinson, Wade & Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 86,015; Jan. 19.

Fausse, Joseph, Melrose, and A. H. Boudret, Boston, Mass., assignor, by mesne assignments, to The Celastic Corporation, Wilmington, Del. Stiffening parts of boots and shoes. 1,889,196; Nov. 29.

Faust, Fred A., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Temperature regulating system. 1,892,047; Dec. 27.

Faust, John G., Washington, D. C. Marine vessel. 1,861,338; May 31.

Faust, Otto, Mannheim-Neuostheim, Germany. Spinning artificial silk. 1,883,650; Oct. 18.

Fauth, Philipp L., Wiesbaden, Germany. Extracting and filtering apparatus. 1,864,237; June 21.

Fautrad, Germaine, New York, N. Y. Kimono. 1,885,422; Nov. 1.

Favorite Stove and Range Company, The. (See Herwig, Conrad, jr., assignor.)

Favorite Stove and Range Company, The. (See Ross, William S., assignor.)

Favour, Paul, assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 1,861,911; June 7.

Favre, Pierre A., Crosne, France. Method and apparatus for fusing glass tubes and rods. 1,889,891; Dec. 6.

Favreau, Walter, Tompkinsville, assignor to W. H. Smith, New York, N. Y. Model for illustrating office buildings and the like. 1,873,748; Aug. 23.

Favreau, Walter, Tompkinsville, assignor, by mesne assignments, to Design Laboratories, Incorporated, New York, N. Y. Ornamental object. 1,881,424; Oct. 11.

Favreau, Walter, Tompkinsville, assignor, by mesne assignments, to Design Laboratories, Incorporated, New York, N. Y. Ornamental object. 1,881,424; Oct. 11.

Fawcett, Arthur C., Beren, Ohio. Spraying device. 1,847,869; Mar. 1.

Fawcett, Arthur L., Pumpville, Tex. Pump. 1,860,279; May 24.

Fawcett, Harold W., Harrogate, England. Centrifugal separator. 1,844,917; Feb. 9.

Fawcett, Harold W., Harrogate, England. Centrifugal separator. 1,866,638; July 12.

Fawcett, William D., et al. (See Thomas, Jack L., assignor.)

Fawell, Joseph E., assignor to Industrial Methods Company, Pittsburgh, Pa. Rolling mill. 1,864,299; June 21.

Fawick Manufacturing Company. (See Eason, Clarence M., assignor.)

Fawick Manufacturing Company. (See Fawick, Thomas L., assignor.)

Fawick, Thomas L. (See Krenzke, William F., assignor.)

Fawick, Thomas L., Akron, Ohio. Friction clutch. 1,847,389; Mar. 1.

Fawick, Thomas L., Akron, Ohio. Clutch. 1,847,554; Mar. 1.

Fawick, Thomas L., Akron, Ohio, assignor to Brown-Pipe Gear Company, Syracuse, N. Y. Transmission. 1,890,142; May 24.

Fawick, Thomas L., Akron, Ohio, assignor to Fawick Manufacturing Company, Waukesha, Wis. Clutch adjustment. 1,869,097; July 26.

Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission. Re18,629; Dec. 18.

Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission. 1,889,957; Dec. 6.

Fax Company, The. (See Stephenson, Arlington W., assignor.)

Fay, Arthur M. (See Walker, Clarence P., assignor.)

Fay, J. A., & Egan Company. (See Kistner, Frederick J., assignor.)

Fay, J. A., & Egan Company, The. (See Medholdt, Louis T., assignor.)

Fay, J. A., & Egan Company, The. (See Petskeyes, Charles H., assignor.)

Fay, Nahum and Norvin A., Sacramento, Calif. Elevator structure for boats. 1,860,574; May 31.

Fay, Norvin A. (See Fay, N. and N. A.)

Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Electrically operated timing device. 1,842,596; Jan. 26.

Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Electrically operated timing mechanism. 1,874,477; Aug. 30.

Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Mounting for X-ray tubes. 1,874,478; Aug. 30.

Fayer, Charles, and J. Kremer, Flushing, assignors to Wappler Electric Company, Inc., Long Island City, N. Y. Electrically operated hair curler. 1,874,479; Aug. 30.

Fazekas, Anton, San Francisco, Calif. Illuminated house number plate. Des. 87,911; Oct. 11.

Fazekas, Anton, San Francisco, Calif. Illuminated house number plate. Des. 87,912; Oct. 11.

Fazio, Antonio, Portland, Oreg. Seeding attachment for tractors. 1,889,981; Dec. 6.

Fear, Harold J. (See Bassett, C. W., and Fear.)

Fear, Harold J., Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Signal system for elevators and other conveyors. 1,844,546; Feb. 9.

Fear, Harry E., Lakewood, Ohio, assignor of New Castle Refractories Company, New Castle, Pa. Crank. 1,877,424; Sept. 13.

Fear, Harry E., Lakewood, Ohio, assignor to New Castle Refractories Company, New Castle, Pa. Kiln car superstructure. 1,890,978; Dec. 13.

Fear, Ralph G., Hollywood, Calif. Cinematographic movement. 1,840,333; Jan. 12.

Fear, Ralph G., Hollywood, Calif. Cam and rocker arm intermittent movement. 1,850,955; Mar. 22.

Fear, Ralph G., Los Angeles, Calif. Motion picture film treating apparatus. 1,891,225; Dec. 20.

Fear, Ralph G., Los Angeles, Calif. Combined photographic camera and sound recording apparatus. 1,891,277; Dec. 20.

Fearing, Edward W., East Orange, N. J. Radiofrequency amplification system. 1,882,128; Oct. 11.

Fearn, Guy V., Fredericktown, Ohio. Fertilizer-sowing machine. 1,883,821; Nov. 22.

Feaster, Edward B., West Newton, Mass. Window screen. 1,856,323; May 3.

Featheredge Rubber Company, Inc. (See Hood, Harry M., assignor.)

Featherman, Irving A., Brooklyn, N. Y. Bedstead. 1,892,427; Dec. 27.

Featherstone, Harry W., East Swanzey, N. H. Fluid dispensing can. 1,850,870; Mar. 22.

Fechheimer, Carl J. (See Baudry, R. A. M., and Fechheimer.)

Fechtenburg, Jörgen F. H., Cheltenham Township, Montgomery County, Pa. Suction comb. 1,859,132; May 17.

Fechtig, Johann, assignor to The Firm of Eisenbau Wyhlen Aktiengesellschaft, Wyhlen, Germany. Measuring cock. 1,842,862; Jan. 26.

Fedco Number Plate Corporation. (See Wheeler, William H., assignor.)

Fedco System, Inc. (See Povalski, Bernard J., assignor.)

Fedden, Alfred H. R., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Exhaust manifold for radial-cylinder internal-combustion engines. 1,855,851; Apr. 26.

Fedden, Alfred H. R., and L. F. G. Butler, assignors to The Bristol Aeroplane Company, Limited, Bristol, England. Lubrication system. 1,850,665; Mar. 22.

Fedderman, George C., Detroit, Mich. Buttoned holddown. 1,863,088; June 14.

Fedders Manufacturing Company. (See Ihde, August F., assignor.)

Fedders Manufacturing Company. (See Siegel, Franklin G., assignor.)

Fedeler, John H., New York, N. Y. Air cleaner. 1,848,334; Mar. 8.

Fedeler, John H., New York, N. Y., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Cleaning and charging air filter mediums. Re18,328; Jan. 12.

Feder, Joseph B., East Orange, N. J., assignor, by mesne assignments, to Chas. Cory Corporation. Firing key. 1,876,887; Sept. 13.

Federal-American Cement Tile Company. (See Myers, Solomon B., assignor.)

Federal Bill Counter Company, The. (See Lard, Allan E., assignor.)

Federal Distributing Co. (See Weeks, Walter H., assignor.)

Federal Electric Company. (See Barclay, Robert E., assignor.)

Federal Electric Company. (See Tillson, Edwin D., assignor.)

Federal Glass Company, The. (See Beatty, Robert J., assignor.)

Federal Glass Company, The. (See Cornwell, V. O., Middendorf, and Moeller, assignors.)

Federal Laboratories, Inc. (See Lowy, Alexander, assignor.)

Federal Laboratories, Inc. (See Ogelsby, N. E., and Ehrenfeld, assignors.)

Federal Laboratories, Inc. (See Reynolds, Robert B., assignor.)
Federal Merchandise Company. (See Hueglin, Herman C., assignor.)
Federal Milk Company. (See Voorhies, Grantland B., assignor.)
Federal-Mogul Corporation. (See Blomstrom, Lowell C., assignor.)
Federal Seaboard Terra Cotta Corporation. (See Olsen, Peter C., assignor.)
Federal Telegraph Company. (See Brown, Archibald S., assignor.)
Federal Telegraph Company. (See Crossley, Alfred, assignor.)
Federal Telegraph Company. (See Duncan, Robert D., jr., assignor.)
Federal Telegraph Company. (See Fisher, Gerbard R., assignor.)
Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
Federal Telegraph Company. (See Kolster, F. A., and Sollie, assignors.)
Federal Telegraph Company. (See Kruesi, Geoffrey G., assignor.)
Federal Telegraph Company. (See Litton, Charles V., assignor.)
Federal Telegraph Company. (See Nicolson, Alexander M. L., assignor.)
Federal Telegraph Company. (See Overacker, Horace E., assignor.)
Federal Telegraph Company. (See Redeker, Harry E., assignor.)
Federal Telegraph Company. (See Romander, Hugo, assignor.)
Federal Telegraph Company. (See Sollie, Sigurd A., assignor.)
Federal Telegraph Company. (See Taylor, Albert H., and Young, assignors.)
Federal Telegraph Company. (See Worrall, Robert H., assignor.)
Federal Water Heater Corporation. (See Kay, Oscar J., assignor.)
Federated Metals Corporation. (See Rossman, Kenneth Y. B., assignor.)
Federmann, Wolfgang. (See Schröter, F., and Federmann.)
Fedor, Peter, Lynhurst, N. J. Combination bed chair. 1,847,755; Mar. 1.
Fedt, Nels N., jr., Watertown, S. Dak. Scissors sharpening device. 1,839,841; Jan. 5.
Fee, Thomas A., jr. (See Lamb, H., and Fee.)
Feehan, Thomas A., Trenton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Furnace tilting mechanism. 1,858,217; Oct. 25.
Feeley, Frank G., Pittsfield, Mass., assignor to M. D. Knowlton Company, Rochester, N. Y. Shearing mechanism. 1,867,600; July 12.
Feeney, Joseph P., assignor of one-half to E. A. Wallis, Allentown, Pa. Nursing bottles. 1,877,832; Sept. 20.
Feeley, Thomas J., and G. O. Leopold, assignors to North Bros. Mfg. Co., Philadelphia, Pa. Ice cube breaker. Des. 86,599; Mar. 29.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bros Mfg Co., Philadelphia, Pa. Christmas tree holder. Des. 87,388; July 19.
Fehl, John T., and A. Belcher, Jersey City, N. J. Bedside unit. 1,885,597; Nov. 1.
Fehn, John G., Des Moines, Iowa. Drain valves structure. 1,839,663; Jan. 5.
Fehn, John G., Des Moines, Iowa. Laundry appliance. 1,839,815; June 1.
Fehn, John G., Des Moines, Iowa. Laundry appliance with rotatable tubs. 1,864,993; June 28.
Fehr, Charles M., assignor to Sterling Products Company, Easton, Pa. Detergent material and making the same. 1,870,560; Aug. 9.
Fehr, Eugene J., Hammond, Ind., assignor to Camel Company, Chicago, Ill. Stop for car doors. 1,881,401; Oct. 4.
Fehr, John R., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,881,426; Oct. 11.
Fehr, Roy B., assignor, by mesne assignments, to Detroit Trust Company, Detroit, Mich. Lap. 1,888,195; Nov. 15.
Fehr, Roy B., assignor, by mesne assignments, to Detroit Trust Company, Detroit, Mich. Lap. 1,888,196; Nov. 15.
Fehrenbach, Anton, New York, N. Y. Superlight plane. 1,860,087; May 24.
Fehrle, Alfred. (See Streitwolf, K., Fehrle, Herrmann, and Fritzsche.)
Fehrle, Alfred, Bad-Soden-on-Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Readily soluble salts of acridine bases substituted in 9-position by basic residues. 1,886,001; Nov. 1.
Feibelmann, Richard, Radebeul, Germany. Compound and process for treating vegetable and animal fibers and fabrics. 1,892,548; Dec. 27.
Feibelmann, Richard, assignor to Chemische Fabrik von Heyden, A. G., Radebeul-Dresden, Germany. Treating animal fibers. 1,864,718; June 28.
Feibelmann, Richard, assignor to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Composition of bleaching agents. 1,890,603; Dec. 13.
Feigel, William A., Boston, and R. R. Carver, Cambridge, Mass., assignors to Union Special Machine Company, Chicago, Ill. Pants band sewing machine. 1,875,578; Sept. 6.
Feigelson, Alexander, Beaumont, Tex. Vehicle wheel attachment. 1,856,866; May 3.
Feigenbaum, Leon M., et al, Directors. (See Smiley, Alfred M., assignor.)
Feightner, Lewis E., Elida, Ohio. Flexible coupling for shafts. 1,868,282; July 19.
Feik, Harrison, Emporia, Kans. Hay baler. 1,859,272; May 17.
Feild, Bert D., Forest Gate, London, and T. C. Standbrook, Ilford, assignors to Standfeld Radio Company Limited, London, England. Electric buzzer, interrupter, and like vibratory device. 1,863,975; June 21.
Feild, William T., Little Rock, Ark. Toy. 1,845,703; Feb. 16.
Feiler, Paul. (See Winkler, F., Messerknecht, and Feiler.)
Fein, Nathan, Reading, Pa. Sandal or similar article. Des. 86,832; Apr. 26.
Feinauer, George A., assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork or other article of flatware. Re87,330; July 12.
Feind, Walter, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Intercommunication telephone system. 1,866,639; July 12.
Feinstein, Max. (See Miller, C., and Feinstein.)
Feintuch, Rose, Brooklyn, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,223; Feb. 16.
Feir, Samuel, Brooklyn, N. Y. Stabilizing supporting device for bodies on water. 1,866,200; July 5.
Feissly, Robert, Lausanne, Switzerland, assignor to the firm: Elektrizitätsgesellschaft "Sanitas" m. b. H., Berlin, Germany. Röntgen apparatus. 1,841,242; Jan. 12.
Fekkes, Fekko. (See Van Eck, J., and Fekkes.)
Fekkes, Hendrik. (See Van Eck, J., and Fekkes, assignors.)
Felardo, Alfred, New York, N. Y. Toy. 1,858,145; May 10.
Feldblet, Herman L., New York, N. Y. Metal form holder for concrete wall construction. 1,885,699; Nov. 1.
Feldenheimer, William, London, England. Manufacture of clay. 1,847,212; Mar. 1.
Felder, Dudley H. (See Gardner, E. W., and Felder.)
Feldkamp, Hulda M., Elkhart, Ind. Display rack. 1,853,539; Nov. 8.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,921; Jan. 5.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,922; Jan. 5.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,923; Jan. 5.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,924; Jan. 5.
Feldman, Abraham G., Chicago, Ill. Playpen. 1,870,285; Aug. 9.
Feldman, Abraham G., Chicago, Ill. Infant's collapsible bathtub. 1,883,660; Oct. 4.
Feldman, Charles L., et al. (See Ward, R. H., and Feldman.)
Feldman, Charles L., et al., receivers. (See Browning, Roger M., assignor.)
Feldman, Charles L., et al., receivers. (See King, Vernon C., assignor.)
Feldman, J. M., Company. (See Holdeman, Harry R., assignor.)
Feldman, Joseph. (See Roberds, Garfield A., assignor.)
Feldman, Joseph, and S. J. Mittleman, assignors to Artistic Price Tag Corp., New York, N. Y. Price card. 1,840,193; Jan. 5.
Feldman, Louis E., Cedarhurst, N. Y. Fire extinguisher. 1,842,665; Jan. 26.
Feldman, William E., assignor of one-half to A. E. Horst-Kotte, Salem, Oreg. Trousers hanger. 1,876,139; Sept. 6.
Feldmann, Merrick R. (See Johnson, W. V., and Feldmann.)
Feldmann, Otto W., Richmond Hill, N. Y. Indicating fuse-plug. 1,849,917; Mar. 15.
Feldmeier, Harvey, assignor to Cherry-Burrell Corporation, Little Falls, N. Y. Heat exchange device. 1,840,573; Jan. 12.
Feldmeier, Harvey, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Pipe fitting. 1,846,096; Feb. 23.
Feldmeier, Harvey, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Heat exchange device. 1,868,698; July 26.
Feldmeier, Harvey, Little Falls, N. Y., and L. Rosenfeld, Baltimore, Md., assignors to Cherry-Burrell Corporation, Little Falls, N. Y. Heat exchange device. 1,840,495; Jan. 12.
Feldmeier, Harvey, and W. Astle, assignors to Cherry-Burrell Corporation, Little Falls, N. Y. Heat exchange device. 1,845,256; Feb. 16.

Feldmeier, Harvey, and R. J. Wightman, assignors to Cherry-Burrell Corporation, Little Falls, N. Y. Process and apparatus for heating liquids. 1,863,786; June 21.

Feldstein, Samuel. (See Scholz, A., and Frucht, assignor.)

Feldtkeller, Richard, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Amplifier system. 1,872,264; Aug. 16.

Feligner, Richard, Springfield, assignor to T. Cohn Inc., Brooklyn, N. Y. Chaise lasher. 1,840,773; Jan. 12.

Felins Tying Machine Company. (See Sanders, A. G., and Wolford, assignors.)

Felix, Friedrich. (See Bally, O., Grossmann, and Felix.)

Felix, Friedrich, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,848,772; Mar. 8.

Felix, Friedrich, and E. Straub, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,854,894; Apr. 19.

Felix, Friedrich, and O. Albrecht, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Sulphonation products and making same. 1,858,662; May 17.

Fell, Hugh P., New York, N. Y. Cylinder drying machine. 1,873,833; Aug. 23.

Fellerman, Morris, Jersey City, N. J. Portable beverage service and dispenser. 1,885,092; Oct. 25.

Fellers, Albert E. (See Hopkins, R. Z., Fellers, and Raymond.)

Fellers, Carl R., Amherst, Mass., assignor to The Hills Brothers Company, New York, N. Y. Treating dried fruits. 1,870,802; Aug. 9.

Fellman, Harry. (See Fleishman, M., and Fellman.)

Fellmer, Ernst, and H. Hoyer, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New secondary trisazodyestuffs. 1,856,211; May 3.

Fellmeth, Jacob W. Danville, Ill. Dipper tooth. 1,870,044; Aug. 2.

Feliner, Alphonse E., assignor to Roesch Enamel Range Company, Belleville, Ill. Heater. Des. 86,833; Apr. 26.

Feliner, Alphonse E., assignor to Roesch Enamel Range Company, Belleville, Ill. Range. Des. 86,834; Apr. 26.

Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)

Fellows, Homer F., Springfield, Mo. Vehicle bolster center bearing. 1,890,576; Dec. 13.

Fellows, Paul A., assignor to Diebold Safe & Lock Company, Canton, Ohio. Vault door and frame. 1,842,084; Jan. 19.

Felser, Leonard C., Montclair, N. J., assignor to Eagle Pencil Company. New York, N. Y. Penholder. 1,880,080; Sept. 27.

Felser, William, Baltimore, Md. Safety razor. 1,839,303; Jan. 5.

Felshin, Augusta, New York, N. Y. Lady's hat or similar article. Des. 86,116; Feb. 2.

Felt Products Manufacturing Co. (See Crane, John T., assignor.)

Felt & Tarrant Mfg. Co. (See Hiemann, F. A., and Ziehm, assignors.)

Felt & Tarrant Manufacturing Company. (See Turck, Joseph A. V., assignor.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Cords, Otto, assignor.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Goes, K., and Badum, assignors.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Hunkel, Hermann, assignor.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Schirrer, Rupert.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Thiel, Viktor, assignor.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Zapf, Georg, assignor.)

Felter, John, Haverstraw, N. Y. Coating composition. 1,891,878; Dec. 20.

Feltham, Charles H., Providence, R. I. Metal broom or brush. 1,882,658; Oct. 18.

Felts, James R., and W. Edzin, Chapmansboro, Tenn. Tobacco basket. 1,839,210; Jan. 5.

Felty, Franklin L., deceased, Chicago, by Maude M. Felty, administratrix, assignor, by mesne assignments, to Mae F. Grover, Harvey, Ill. Beater for cleaning rugs. 1,883,851; Oct. 18.

Felty, Maude M., administratrix. (See Felty, Franklin L.)

Feltz, Lloyd C. (See Grieser, Raymond, assignor.)

Femling, Harold W. (See Wells, C. J., and Femling.)

Fenati, Humbert M., New Castle, Pa. Making building bricks. 1,849,366; Mar. 15.

Fenati, Humbert M., New Castle, Pa. Apparatus for making tapestried brick. 1,854,788; Apr. 19.

Fenn, Howard N. (See Bass, S. L., and Fenn.)

Fennema, Richard. (See Houser, A. M., and Fennema.)

Fenner, Howard H., and R. E. Silvis, Mill City, assignors to Automatic Projector Operator, Inc., Portland, Oreg. Circuit closer. 1,852,236; Apr. 5.

Fenner, Howard H., and R. E. Silvis, Mill City, assignors to Automatic Projector Operator, Inc., Portland, Oreg. Circuit controller for motion picture films. 1,869,878; Aug. 2.

Fenner, J. H. & Company. (See Hainsworth, Sydney B assignor.)

Fennone, William, San Francisco, Calif. Press blanket. 1,891,150; Dec. 13.

Fensky, Charles, St. Louis, Mo. Ear sound reflector. 1,869,324; May 3.

Fensky, Charles, St. Louis, Mo. Hearing device. 1,884,638; Oct. 25.

Fensky, Charles, and H. J. Readey, St. Louis, Mo. Copy holder. 1,884,639; Oct. 25.

Fenson, Harry T., and R. Green, Los Angeles, Calif., assignors, by mesne assignments, to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Advertising sign. 1,850,319; Mar. 22.

Fenstermaker, Lloyd H., Milwaukee, Wis. Metal shelving. 1,863,625; June 21.

Fenstermaker, Lloyd H., Milwaukee, Wis. Metal shelving. 1,871,972; Aug. 16.

Fenton, Aughe C., Indianapolis, Ind. Fishing rod handle. 1,839,751; Jan. 5.

Fenton, Henry H. (See Peters, E. H., and Fenton.)

Fenton, John, Columbus, Ohio. Cushioned insole. 1,841,942; Jan. 19.

Fenton, John A., North Andover, Mass. Stop motion. 1,885,423; Nov. 1.

Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Carpet fastener. 1,850,622; Mar. 22.

Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Floating snap fastener socket. 1,858,440; May 17.

Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable fastener. 1,858,441; May 17.

Fenton, Paul E., Thomaston, assignor to Scoville Manufacturing Company, Waterbury, Conn. Self locking floating trim stud. 1,840,272; Jan. 5.

Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Hinged pin fastener. 1,892,236; Dec. 27.

Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Slide buckle. 1,892,641; Dec. 27.

Fenton, Paul E., Thomaston, and E. D. Janes, assignors to Scovill Manufacturing Company, Waterbury, Conn. Floating type carpet stud. 1,840,273; Jan. 5.

Fenton, Paul E., Thomaston, and G. A. King, assignors to Scovill Manufacturing Company, Waterbury, Conn. Thick edge tack fastened device. 1,841,576; Jan. 19.

Fenton, Paul E., Thomaston, and E. H. Tompkins, assignors to Scovill Manufacturing Company, Waterbury, Conn. Attaching machine. 1,879,895; Sept. 27.

Fenton, Ray M., assignor to The Newton Steel Company, Youngstown, Ohio. Continuous pickling apparatus. 1,892,371; June 27.

Fenton, Walter, Southampton, England. Electric lighter for cigarettes, cigars, and tobacco pipes. 1,849,795; Mar. 15.

Fentress, Robert W. (See Bowman, H. M., and Fentress.)

Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)

Fereday, Frederick J., Anchorage, assignor to Louisville Frog, Switch & Signal Co., Louisville, Ky. Time switch. 1,848,335; Mar. 8.

Ferenci, Lester, Brooklyn, N. Y., assignor to International Clear Machinery Company. Strip registering device. 1,859,962; May 24.

Ferguson, Alexander D., Ashton on Mersey, England, assignor to Westinghouse Electric & Manufacturing Company. Electric traction control system. 1,847,175; Mar. 1.

Ferguson, Ayrault D., Kansas City, Kans. Pocket fountain toothbrush. 1,891,324; Dec. 20.

Ferguson Brothers Manufacturing Company. (See Hanley, William, assignor.)

Ferguson, Carl L., Indianapolis, Ind. Repeating phonograph. 1,888,660; Nov. 22.

Ferguson, Cecil J., assignor of one-fourth to P. L. Civile, Spokane, Wash. Paste elector. 1,839,542; Jan. 5.

Ferguson, David E., Long Beach, Calif. Burglar alarm. 1,854,126; Apr. 12.

Ferguson, Donald M. (See Maurer, E. R., and Ferguson.)

Ferguson, Donald M., Highland Park, and E. R. Maurer, assignors to Wilcox-Rich Corporation, Detroit, Mich. Front wheel drive automobile. 1,869,191; July 26.

Ferguson, Fergus, Pasadena. Apparatus for the supply of ozone and the like. 1,842,090; Jan. 19.

Ferguson, Frank C., assignor to David Lupton's Sons Company, Philadelphia, Pa. Metallic furniture. 1,888,208; Nov. 22.

Ferguson, Gale L., Cleveland, Ohio, assignor, by mesne assignments, to Westco Pump Corporation, Davenport, Iowa. Bearing lock. 1,875,719; Sept. 6.

Ferguson, Gale L., Cleveland, Ohio, assignor, by mesne assignments, to Westco Pump Corporation, Davenport, Iowa. Pumping apparatus. 1,879,149; Sept. 27.

Ferguson, George W., Minneapolis, Minn. Device for watering plants. 1,876,888; Sept. 13.

Ferguson, Harley B., jr., Norfolk, Va. Playing card. 1,890,504; Dec. 13.

Ferguson, Harold W., Rochester, N. Y. Hair curler. 1,843,019; Jan. 26.

Ferguson, Herbert V. A., Buffalo, N. Y. Liquid fuel gasifier. 1,881,425; Oct. 11.

Ferguson, Herman B., Philadelphia, Pa. Utility bag. 1,874,945; Aug. 30.
Ferguson, James G., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,862,532; June 14.
Ferguson, James R., assignor of one-half to W. H. Addington, Dallas, Tex. Rotating device for fans. 1,879,150; Sept. 27.
Ferguson, John C., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Spinning frame cleaner. 1,883,358; Oct. 18.
Ferguson, John E., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Socket for electrical devices. 1,842,157; Jan. 19.
Ferguson, John G., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Lamp coating. 1,865,436; July 5.
Ferguson, John E., and C. A. Nicolai, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Automatic seasoning and testing machine. 1,842,158; Jan. 19.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Ferguson, John L., Joliet, Ill. Puffing cereals. 1,839,917; Jan. 5.
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Container sealer adjusting means. 1,866,885; July 12.
Ferguson, Reginald, assignor to Simmons Limited, Montreal, Quebec, Canada. Bottom construction for bedsprings and the like. 1,852,511; Apr. 5.
Ferguson, Reginald, Montreal, Canada, assignor, by mesne assignments, to Simmons Company, New York, N. Y. Spring structure. 1,872,715; Aug. 23.
Ferguson, Robert D., Bristol, Tenn. Alarm clock. 1,892,337; Dec. 27.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to B. E. and M. Bluett, Detroit, Mich. Hygiene cabinet. 1,858,146; May 10.
Ferguson, William, Flint, Mich. Method of and tool for removing indentations. 1,871,312; Aug. 9.
Ferguson, William C., St. Louis, Mo. Asphaltic cement. 1,878,625; Sept. 20.
Ferguson, W. R., et al. (See Jones, Linton, assignor.)
Ferguson, William P., Middlebury, Conn. Combined valve control handle and indexing dial. Des. 87,830; Sept. 27.
Ferguson, William P., Middlebury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lavatory valve handle. Des. 86,672; Apr. 5.
Ferguson, William P., Middlebury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lavatory spout. Des. 87,829; Sept. 27.
Ferguson, William P., Middlebury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Shower head. Des. 87,961; Oct. 18.
Fergusson, Alan R., New York, N. Y. Tank cap. 1,878,687; Sept. 20.
Fergusson, Alan R., New York, N. Y. Tank closure. 1,880,424; Oct. 4.
Férier, Albert, assignor to Bianchini, Ferier Société en nom collectif, Lyon, France. Double twist flyer spinning machine. 1,858,205; May 10.
Ferm, John Frederick, Midland, assignor to Pittsburgh Crucible Steel Company, Pittsburgh, Pa. Standard for street lights or other articles. Des. 87,742; Sept. 13.
Fernandez y Fernandez, Manuel, New Orleans, La. Liquid dispensing system. 1,888,262; Nov. 22.
Fernane, Edward J., and M. J. Flynn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Gauge harness. 1,852,076; Apr. 5.
Fernbach, Auguste, Paris, France, assignor to Union Solvents Corporation. Acetono-butylic fermentation process. 1,854,859; Apr. 19.
Ferneding, George, and H. N. West, Cincinnati, assignors to Weir Kilby Corporation, Norwood, Ohio. Railroad highway crossing. 1,885,244; Nov. 1.
Ferneding, Edward J., assignor to The Gibson Art Company, Cincinnati, Ohio. Method and apparatus for recovering gold dust. 1,846,347; Feb. 23.
Ferngren, Enoch T., See Allen, H. E., and Ferngren.)
Ferngren, Enoch T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for drawing and flattening sheet glass. Re18,624; Oct. 18.
Ferngren, Enoch T., assignor to Libby-Owens-Ford Glass Company, Toledo, Ohio. Continuous tank furnace. 1,846,496; Nov. 22.
Fernstrum, Frank O., assignor to Gray Marine Motors Co., Detroit, Mich. Marine motor. 1,883,661; Oct. 18.
Ferrabino, Edoardo, Milan, Italy. Wheel for pneumatic tires. 1,864,421; June 21.
Ferragamo, Salvatore, Florence, Italy. Shoe shank stiffener. 1,862,369; June 7.
Ferrand, Fred, Southport, England. Manufacture of artificial fibers. 1,856,071; May 3.
Ferrante, Michael, assignor of one-half to Southern California Gas Company, Los Angeles, Calif. Gas meter construction. 1,876,889; Sept. 13.
Ferranti Inc. (See De Ferranti, Sebastian Z.)
Ferranti Inc. (See De Ferranti, Vincent Z., assignor.)
Ferranti Inc. (See Norris, Eric D. T., assignor.)
Ferranti Inc. (See Porter, Graham L., assignor.)
Ferranti, Julia, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,117; Feb. 2.
Ferranti Limited. (See de Ferranti, Sebastian Z., assignor.)
Ferrara, Frank, Medford, assignor to Shawmut Engineering Company, Dorchester, Mass. Mechanism for and method of placing yarns on carriers for use in looms. 1,847,055; Feb. 23.
Ferrara, Frank, Medford, assignor to Shawmut Engineering Company, Dorchester, Mass. Carrier or means for preparing tuft yarns for a loom. 1,879,672; Sept. 27.
Ferrara, Joseph, Brooklyn, N. Y. Labeling mechanism. 1,850,956; Mar. 22.
Ferreby, Roila B., Los Angeles, Calif. Airplane propeller. 1,853,607; Apr. 12.
Ferree, Harry L. (See Benham, L. L., Ferree, and Balkwill.)
Ferree, Howard M., Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Illuminated sign. 1,844,352; Feb. 9.
Ferrell, Ashby D. (See Thrasher, Leroy C., assignor.)
Ferrell, Daniel D., assignor to J. E. Porter Corporation, Ottawa, Ill. Climbing structure for playgrounds. 1,877,833; Sept. 20.
Ferrell, Dent. (See Helmoltz, A. W., and Ferrell.)
Ferrell, Dent, Harrisburg, assignor to Safety Mining Company, Chicago, Ill. Progressive heating cartridge. 1,855,740; Apr. 26.
Ferrell, Myron P., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Speed measuring apparatus. 1,846,678; Feb. 23.
Ferreo, Paolo, Turin, Italy. Noting apparatus. 1,848,336; Mar. 8.
Ferrettie, Conrad. (See Van Dinter, G. L., and Ferrettie.)
Ferrie Engineering Company. (See Carrington, Frank G., assignor.)
Ferrier, Alexander L., Flint, Mich., assignor, by mesne assignments, to Fox Typewriter Set Company, Chicago, Ill. Desk set for fountain pens. 1,892,523; Dec. 27.
Ferrier, Alexander L., Detroit, Mich., assignor to Pen Desk Set Company, Chicago, Ill. Fountain pen desk set. 1,892,524; Dec. 27.
Ferris, Ervie A., Westwood, Calif. Retard device. 1,850,502; Dec. 6.
Ferris, Eugene C., et al., executors. (See Ferris, Henry L.)
Ferris, Henry L., deceased; H. J. and E. C. Ferris, executors, assignors to Starline, Inc., Harvard, Ill. Grapple fork. 1,890,979; Dec. 13.
Ferris, Henry L., deceased; H. J. and E. C. Ferris, executors, assignors to Starline, Inc., Harvard, Ill. Animal stall. 1,890,980; Dec. 13.
Ferris, Howard J., et al., executors. (See Ferris, Henry L.)
Ferris, John P. (See Barrett, L. A., and Ferris.)
Ferris, John P. (See Ferris, W. and J. P., and Crull.)
Ferris, John P. (See Ferris, Walter and J. P., and Macomber.)
Ferris, John P., Whitefish Bay, assignor to Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,848,006; Mar. 1.
Ferris, John P., assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic table drive for milling machines and the like. 1,874,265; Aug. 30.
Ferris, Livingston F., Montclair, N. J., assignor to American Telephone and Telegraph Company. Electrical protective system. 1,845,081; Feb. 16.
Ferris, Malcolm, Beaston, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Standard signal generator. 1,877,287; Sept. 13.
Ferris, Seymour W. (See Henderson, L. M., and Ferris.)
Ferris, Seymour W., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 1,874,946; Aug. 30.
Ferris, Seymour W., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Extraction of mineral oils. 1,874,947; Aug. 30.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic motor. 1,845,257; Feb. 16.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,854,127; Apr. 12.
Ferris, Walter, assignor to Oilgear Company, Milwaukee, Wis. Pressure pad. 1,858,296; May 17.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Clutch. 1,864,126; June 21.
Ferris, Walter, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis. Milling machine. 1,866,348; July 5.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic crane. 1,866,801; July 12.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic feed for lathes and the like. 1,874,266; Aug. 30.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Feed mechanism for milling machines. 1,874,267; Aug. 30.
Ferris, Walter, and G. H. Fobian, assignors to The Oilgear Company, Milwaukee, Wis. Fluid drive for planers. 1,845,082; Jan. 26.
Ferris, Walter, Milwaukee, and H. F. Patrick, Waukesha, assignors to Oilgear Company, Milwaukee, Wis. Hydraulic control. 1,851,502; Mar. 29.
Ferris, Walter and J. P., Milwaukee, Wis., and H. L. Crull, Tulsa, Okla., assignors to The Oilgear Company, Milwaukee, Wis. Pump rig. 1,890,428; Dec. 6.

Ferris, Walter, Milwaukee, J. P. Ferris, Whitefish Bay, and G. Macomber, Waukesha, assignors to The Oilgear Company, Milwaukee, Wis. Welding machine. 1,892,249; Dec. 27.

Ferris, Wheaton C., University City, and R. M. Brennan, St. Louis, Mo. Game indicator. 1,860,088; May 24.

Ferris, Willard J., Jackson, Mich., assignor, by mesne assignments, to Cutler-Hammer, Inc. Portable outlet receptacle. 1,882,791; Oct. 18.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Hinge for doors or other closures. Des. 87,662; Aug. 30.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch for doors or other closures. Des. 87,831; Sept. 27.

Ferris, William D., assignor to Hustler Toy Corporation, Sterling, Ill. Mechanical toy demonstrator. 1,839,664; Jan. 5.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Hinge for doors or windows. 1,839,665; Jan. 5.

Ferris, William D., assignor to Hustler Toy Corporation, Sterling, Ill. Structural toy. 1,843,115; Feb. 2.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Overhead garage door. 1,860,387; May 31.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door or window. 1,873,367; Aug. 23.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch lock. 1,873,565; Aug. 23.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Ball bearing hinge. 1,873,566; Aug. 23.

Ferris, William D., assignor to Hustler Toy Corporation, Sterling, Ill. Figure toy. 1,877,854; Sept. 20.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Overhead garage door. 1,879,798; Sept. 27.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Garage door. 1,888,456; Nov. 22.

Ferris, William S., Elkhart, Ind. Chair. 1,860,089; May 24.

Ferro Enamel Corporation. (See Close, Francis A., assignor.)

Ferro Enamel Corporation. (See Dutton, Chauncey A., assignor.)

Ferro Enamel Corporation. (See Manion, Leo W., assignor.)

Ferro Enameling Company. (See McIntyre, Glenn H., assignor.)

Ferro Enamel Corporation, The. (See McIntyre, G. H., and Stuart, assignors.)

Ferro Stamping & Manufacturing Company. (See Deveraeux, William C., assignor.)

Ferro Stamping and Mfg. Company. (See Feuerlein, Georg R., assignor.)

Ferro Stamping & Manufacturing Company. (See Lowe, Charles B., assignor.)

Ferro-Arc Welding Company Limited. (See Turner, Bertrand, assignor.)

Ferry, William J., Allentown, Pa., assignor to Cement-Gun Contracting Company. Combined form support and spacer. 1,882,006; Oct. 11.

Fesler, Milton A., Los Angeles, Calif., assignor to Petroleum Heat & Power Company, New York, N. Y. Oil burner. 1,846,386; Feb. 23.

Fess Oil Burners of Canada Limited. (See Holden, A. P., and Morgan, assignors.)

Fessel, Gunal, assignor to Technische Chemikalien Compagnie G. m. b. H., Halle-Saale, Germany. Manufacture of rubber goods. 1,889,825; Dec. 6.

Fessenden, Reginald A., Chestnut Hill, Mass. Method and apparatus for determining distance by echo. 1,853,119; Apr. 12.

Fessenden, Reginald A., Chestnut Hill, Mass. Apparatus for setting to best photographic exposure. 1,859,621; May 24.

Fessenden, Reginald A., Chestnut Hill, Mass., assignor to Submarine Signal Company, Portland, Me. Method and apparatus for generating and detecting impulses. 1,854,025; Apr. 12.

Fessenden, Reginald A., Chestnut Hills, Mass., assignor to Submarine Signal Company, Portland, Me. Loud speaker apparatus and method. 1,863,840; June 21.

Fessenden, Reginald A., Chestnut Hills, Mass., assignor to Submarine Signal Company, Portland, Me. Method and apparatus for coordinating radio and phonograph reproduction. 1,863,841; June 21.

Fessenden, Reginald A., Chestnut Hill, and H. K. Wheeler, Newton, Mass. Parking cars. 1,882,183; Oct. 11.

Fessenden, Robert G., Townsend, Mass. Cover fastening for wooden containers and making the same. 1,889,325; Nov. 29.

Fessler, Marcus J., Yonkers, and Sam Fassman, Brooklyn, N. Y. Ash can. 1,881,120; Oct. 4.

Fest, Adolph D., Chicago, Ill. Boiler tube and attachment therefor. 1,841,722; Jan. 19.

Fester, Tillie, Cleveland, Ohio. Shoulder strap holder. 1,869,935; Aug. 2.

Fetner, Stephen R., Jacksonville, Fla. Inner liner for tire casings. 1,872,265; Aug. 16.

Fetner, Stephen R., Jacksonville, Fla. Inner liner for tire casings. 1,882,129; Oct. 11.

Fetner, William B., assignor to Latrobe Tool Company, Latrobe, Pa. Safety cutter-holder for shaper spindles. 1,842,964; Jan. 26.

Fetter, Charles H. (See Espenschied, L., and Fetter.)

Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Transmission delay circuits. 1,851,090; Mar. 29.

Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Signaling system including adjustable wave filter. 1,851,091; Mar. 29.

Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Transmission delay circuit. 1,851,092; Mar. 29.

Fetter, Edward, Baltimore, Md. Method of and apparatus for making inner tubes. 1,840,027; Jan. 5.

Fetterhoff, John H., et al. (See Zerwer, Adam G. P., assignor.)

Fetterly, John F., Orange, N. J., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Container and sealing means therefor. 1,845,082; Feb. 16.

Fetterman, Frank W., Sacramento, assignor to Libby, McNeill & Libby, San Francisco, Calif. Exhaust box. 1,875,863; Sept. 6.

Fetterman, Maurice, Jamaica, N. Y. Flush-ell. 1,847,952; Mar. 1.

Fetters, Robert L., assignor of one-half to A. W. Glade, Omaha, Nebr. Antirattle hinge pin. 1,847,937; Mar. 1.

Fetyk, Joseph, New York, N. Y., assignor to Francis Kell & Son, Inc. Construction for mail boxes. 1,842,238; Jan. 19.

Fetz, Werner, Waterbury, Conn., assignor to E. L. Bruce Company, Memphis, Tenn. Wood block flooring. 1,843,024; Jan. 26.

Fetzer, John, Pittsburgh, Pa. Tunnel kiln. 1,885,811; Nov. 1.

Feucht, Albert, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,867,072; July 12.

Feuerheerd, Ernest, assignor of one-half to J. A. Malcolm, London, England. Rotary pump, engine, meter, or the like. 1,866,761; July 12.

Feuerlein, Georg R., assignor to Ferro Stamping and Mfg. Company, Detroit, Mich. Door latch mechanism. 1,881,427; Oct. 11.

Feuillée, Henri, Marseille, France. Apparatus for preventing the back firing in internal combustion engines. 1,876,406; Sept. 6.

Feustel, Ernest A., Darmstadt, assignor to Alfred Hofmann, Incorporated, West New York, N. J. Knitting machine. 1,861,413; May 31.

Fewell, Ernest R., Red House, W. Va. Clock face and hand. 1,851,824; Mar. 29.

Fey, Edmund, San Francisco, Calif. Coin controlled dispensing device. 1,855,444; Apr. 26.

Fey, Edmund, San Francisco, Calif. Amusement apparatus. 1,855,445; Apr. 26.

Fey, Edmund, San Francisco, Calif. Sound recording and record vending machine. 1,858,396; May 17.

Fey, Edmund C., San Francisco, Calif. Finger striking amusement device. 1,866,021; July 5.

Feyens, Alfred, Brussels, Belgium. Rotary distributor for internal combustion engines. 1,865,363; June 28.

Feyens, François, assignor to Société Générale d'Etudes Industrielles, General Research Corporation, Société Anonyme, Brussels, Belgium. Pump for injecting liquid fuel into internal combustion engines. 1,850,926; Mar. 22.

Feykert, Peter J., San Francisco, Calif. Sheet glass mounting. 1,877,835; Sept. 20.

Feynier, Francois W. (See Feldidier, R., and Feynier.)

Feyrer, William F., assignor to Dictaphone Corporation, Bridgeport, Conn. Shaving machine. 1,861,564; June 7.

Fiala, Joseph F., Solon, Iowa. Combination grass and grain planter. 1,857,536; May 10.

Fiat Società Anonima. (See Pirinoli, Guglielmo, assignor.)

Fiat Società Anonima. (See Rosatelli, Celestino, assignor.)

Fiat Società Anonima. (See Savoja, Umberto, assignor.)

Fiat Società Anonima. (See Valletta, Vittorio, assignor.)

Fiat Società Anonima. (See Vitalba, Leo, assignor.)

Fiat Società Anonima. (See Zerbi, Tranquillo, assignor.)

Fiberfraks Inc. (See Holcomb, Harry E., assignor.)

Fiberloid Corporation, The. (See Derby, Elmer R., assignor.)

Fiberloid Corporation, The. (See Esselen, Gustavus J., jr., assignor.)

Fiberloid Corporation, The. (See Gress, G. C., and Kern, assignors.)

Fiberloid Corporation, The. (See Parkhurst, Frederic A., assignor.)

Fiberloid Corporation, The. (See Preston, A. C., and Gress, assignors.)

Fiberplastic Corporation. (See Freuder, Leo, assignor.)

Fibrehoard Products Inc. (See Brown, B. F., and Ford, assignors.)

Fibreboard Products Inc. (See Leslie, Harold, assignor.)

Ficcio, Maria Tampa, Fla. Trousers. 1,861,383; May 31.

Fichandler, Carl, New York, N. Y. Coupling device. 1,866,456; July 5.

Fichieux, Paul H. (See Vigneron, J. B. J. A., and Fichieux.)

Fichtenbaum, Harry, et al. (See Fichtenbaum, Oscar, assignor.)

Fichtenbaum, Joseph P., et al. (See Fichtenbaum, Oscar, assignor.)
Fichtenbaum, Oscar, assignor to J. P. and H. Fichtenbaum, Brooklyn, N. Y. Folding bed or couch. 1,850,262; Mar. 22.
Fichtenbaum, Oscar, assignor to J. P. Fichtenbaum and H. Fichtenbaum, Brooklyn, N. Y. Folding bed or couch. 1,885,812; Nov. 1.
Fichter, Walter C. G., West Hazleton, Pa. Slip link for connecting cross chains to side chains. 1,878,388; Sept. 20.
Fichtner, George E., assignor to Boonton Full Fashion Hosiery Mills, Boonton, N. J. Flat ribbed picot top for hosiery. 1,854,400; Apr. 19.
Fickeissen, Edward P., Richmond Hill, N. Y. Train coupling. 1,885,813; Nov. 1.
Fickinger, Joseph, assignor to Oakland Foundry Company, Belleville, Ill. Stove. Des. 87,629; Aug. 23.
Fiddes, James, Aberdeen, Scotland. Recording means for electromotors. 1,842,980; Jan. 26.
Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)
Fidelity Machine Company. (See Larkin, Walter, assignor.)
Fidelity Trust Company. (See Chaplin, Merle P., assignor.)
Fidelity Trust Company. (See Hart, J. M., and Chaplin, assignors.)
Fidelity Trust Company. (See Parsons, W. E., and Boody, assignors.)
Fidelity Trust Company. (See Shepard, Ernest L., assignor.)
Fidelity Trust Company. (See Williamson, Bert R., assignor.)
Fidelity Trust Company, trustee. (See Chaplin, Merle P., assignor.)
Fidelity Trust Company, trustee. (See Shepard, E. L., and Haskell, assignors.)
Fidler, Harry E. (See Tenney, P. L., and Fidler.)
Fiederlein, Fred, Elizabeth, N. J. Pipe joint or coupling. 1,851,481; Mar. 29.
Fiege, Henry C., Bayfield, Wis. Cable clamp. 1,855,227; Apr. 26.
Fiegel, Edwin J. (See Chase, C. E., and Fiegel.)
Fiegel, Stella M., Marshall, Tex. Nursing bottle support. 1,867,969; July 19.
Fiegel, William, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Turnover for molding machines. 1,844,406; Feb. 9.
Fiegel, William C., and S. S. Enderich, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Babbitting machine. 1,846,482; Feb. 23.
Field, Charles F., Manufacturing Company, The. (See Field, C. F., and Flick, assignors.)
Field, Charles F., and Z. E. Flick, assignors to The Charles F. Field Manufacturing Company, Kansas City, Mo. Apparatus for the manufacture of tubular packing. 1,872,266; Aug. 16.
Field, Crosby. (See Weit, J. F., and Field.)
Field, Crosby, Brooklyn, N. Y. Metal grille. 1,878,688; Sept. 20.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Pan apparatus and making metal wool. 1,886,661; Nov. 8.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Wire shaving machine. 1,886,662; Nov. 8.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Wire cutting machine and tension regulator therefor. 1,886,663; Nov. 8.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Conveyer and storage apparatus for metal wool machines. 1,886,664; Nov. 8.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Multiple unit electric drive system. 1,886,665; Nov. 8.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Automatically lubricated and cleaned metal wool machine. 1,886,666; Nov. 8.
Field, Crosby, Brooklyn, and C. L. Campbell, Port Richmond, N. Y., assignors to Brillo Manufacturing Company. Holder for metal wool or the like. 1,887,294; Nov. 8.
Field, Edward. (See Eaton, J. C., Dickey, and Field.)
Field, Edward A., jr. (See Field, E. A. and E. A., jr.)
Field, Edward A., jr. (See Field, E. A., and Field.)
Field, Edward A. and E. A., jr., Chicago, Ill. Motor-controlled stabilizer. 1,855,228; Apr. 26.
Field, Edward A. and E. A., jr., Chicago, Ill. Draft stabilizer. 1,873,567; Aug. 23.
Field, Fletcher H., assignor to Rhodes Metallic Packing Company, Detroit, Mich. Forming packing. 1,888,116; Nov. 15.
Field, Herbert C. (See Simpson, E. G., Cronwall, Andersen, and Field.)
Field, Herbert C., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Lift pin assembly for a window regulator. 1,871,844; Aug. 16.
Field, Herbert C., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Anti-rattling device for a window regulator clutch. 1,877,288; Sept. 13.
Field, Herbert C., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Handle assembly. 1,877,289; Sept. 13.
Field, Herbert C., Windsor, Ontario, Canada, and A. C. Andersen, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Seat regulator. 1,863,439; June 14.
Field, John F., Owosso, Mich. Mixing machine. 1,852,792; Apr. 5.
Field, Joseph C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control system. 1,863,089; June 14.
Field, Lloyd McK., Cleveland Heights, assignor to The Van Cell Company, Cleveland, Ohio. Spring device. 1,866,762; July 12.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,852,406; Apr. 5.
Field, Russell M., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tap changing system. 1,871,168; Aug. 9.
Field, Samuel B., Holbrook, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Grinding or polishing machine. 1,862,671; June 14.
Field, Walter E., Providence, R. I. Device for detachably securing interchangeable ornaments to strap ends. 1,890,320; Dec. 6.
Fielder, Harold S., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill. Pasteurizing apparatus. 1,859,504; May 24.
Fielder, Nonie E., Los Angeles, Calif. Automatic screw sorting machine. 1,883,130; Oct. 11.
Fielder, Reuben E., West Englewood, N. J. Driving mechanism for motor vehicles. 1,849,755; Mar. 15.
Fielding, Edgar C., Walsall, England. Sand molding machine. 1,890,808; Dec. 13.
Fielding, Edgar W., Wilmington, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting the oxidation and hydration of lead alloys. 1,884,640; Oct. 25.
Fieldman, Michael, Philadelphia, Pa. Shock absorber. 1,850,354; Nov. 29.
Fields, John D., Los Angeles, Calif. Process of cracking and coking. 1,864,686; June 28.
Fields, John D., Los Angeles, Calif. Treatment of petroleum materials. 1,864,687; June 28.
Fields, John D., Los Angeles, Calif. Refining distillates. 1,864,719; June 28.
Fields, John D., Los Angeles, Calif. Distilling hydrocarbons and producing coke and product thereof. 1,864,720; June 28.
Fields, Pauline E., New York, N. Y. Dress. Des. 88,514; Dec. 6.
Fields, Pauline E., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 88,075; Oct. 25.
Fields Point Manufacturing Corporation. (See Townend, D., and White, assignors.)
Fieroh, Robert W., Chicago, Ill. Heating device for concrete plants. 1,867,310; July 12.
Fieux, Jean, assignor of one-half to Schneider & Cie., Paris, France. Gyroscope suspension. 1,845,592; Feb. 16.
Fifield, Albert F., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for sewing machines. 1,841,102; Jan. 12.
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Preparing wearing surfaces for tools, dies, and the like, and resultant product. 1,864,590; June 28.
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,873,192; Aug. 23.
Fifield, Albert F., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for sewing machines. 1,878,480; Sept. 20.
Fifis, Arthur C., Astoria, N. Y. Shade holder. 1,846,634; Feb. 23.
Fifth Avenue Coach Company. (See Willems, George L., assignor.)
Figge, Carroll C., Chicago, Ill. Building gasket. 1,885,193; Nov. 1.
Figge, Emil. (See Keenan, J. D., and Figge.)
Fike, Roy H., Hansen, Idaho. Spring tooth harrow attachment for plows. 1,847,336; Mar. 1.
Fikentscher, Hans, and B. Jacobi. Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of chloropropionic esters. 1,851,040; Mar. 29.
Filander, Arthur H. (See Johnson, G. T., and Filander.)
Filbey, John A., Chicago, Ill. Grate construction. 1,868,571; July 26.
Filbin, Patrick H., Liberal, Kans. Harvester. 1,887,805; Nov. 15.
Fildes, Frederick K., Altoona, Pa. Ventilating and muffling apparatus for engine rooms. 1,843,548; Feb. 2.
Fildes, Frederick K., Altoona, Pa. Attachment for container carriers. 1,845,593; Feb. 16.
Fildes, Frederick K., Altoona, Pa. Attachment for container carriers. 1,845,594; Feb. 16.
Fildes, Frederick K., Altoona, Pa. Shipping container. 1,868,633; July 26.
File, Norman W., Lynchburg, Va. Surgical appliance. 1,855,546; Apr. 26.

Filene, Edward A., Boston, Mass. Speech translating system and method. 1,874,480; Aug. 30.
Filer & Stowell Company, The. (See Cahoon, William F., assignor.)
Filer & Stowell Company, The. (See Pelton, George M., assignor.)
Files, Adino F., Maumee, Ohio. Packet forming machine. 1,840,440; Jan. 12.
Filing Equipment Bureau, Incorporated. (See Cobb, Charles H., assignor.)
Filippo, Hendrik Lindhoven, Netherlands, assignor to Radio Corporation of America. Oscillatory member for sound speakers, microphones, or the like. 1,853,343; Apr. 12.
Filkelstein, Hans, and F. Achtenberg, Uerdingen, assignors to I. G. Farnebindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Manufacture of compounds containing aluminum and fluorine. 1,872,716; Aug. 23.
Filkins, Arthur J., Riverside, Ill. Ventilator. 1,873,368; Aug. 23.
Fillmore-Hyde, A. (See Simonds, Francis M., assignor.)
Filod, Ferdinand, St.-Amour, France. Portable metallic structure. 1,863,746; June 21.
Filmer, Reginald H., Chelmsford, England. Folding box. 1,855,045; Apr. 19.
Filmtone Corporation. (See Foley, Earl H., assignor.)
Filtration and Water Softening Proprietary Limited. (See Martin, M. J., and Terry, assignors.)
Filtration Equipment Corporation. (See Laughlin, William C., assignor.)
Filtration Equipment Corporation. (See Laughlin, W. C., and Asch, assignors.)
Filtrators Company. (See Santfleben, Joseph F., assignor.)
Filtrators Limited. (See Saks, Vadim V., assignor.)
Filtrol Company of California. (See Baylis, Walter S., assignor.)
Filtrol Company of California. (See Baylis, W. S., and Terry.)
Filtrol Company of California. (See Robinson, Alfred P., assignor.)
Filzer, Christian G., Erie, Pa. Blow torch. 1,846,387; Feb. 23.
Fina, Valentine, assignor to Milwaukee Valve Company, Milwaukee, Wis. Lubricator. 1,840,441; Jan. 12.
Fina, Valentine, Milwaukee, Wis., assignor to Direct Control Valve Company, Chicago, Ill. Thermostatic control for valves. 1,865,017; June 14.
Financial Press Companies of America, The. (See Vischer, Alfred, jr., assignor.)
Finch, Arnold R., assignor to West Bend Aluminum Company, West Bend, Wis. Stand for supporting coffee pots. 1,881,428; Oct. 11.
Finch, James L., New York, N. Y., assignor to Radio Corporation of America. System for parallel operation of motors. 1,839,385; Jan. 5.
Finch, James L., Rocky Point, N. Y., assignor to Radio Corporation of America. Automatic transmitter. 1,844,950; Feb. 16.
Finch, James L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Keying. 1,887,236; Nov. 8.
Finch, James L., Rocky Point, N. Y., assignor to Radio Corporation of America. Signalling system. 1,887,237; Nov. 8.
Finch, Ora F., assignor to The Willys-Overland Company, Toledo, Ohio. Vehicle. 1,850,834; Mar. 22.
Finch, Willis E. (See Stimpson, W. F., and Finch.)
Finck, Joseph L., Washington, D. C. Insulating buildings and like structures. 1,883,774; Oct. 18.
Fincke, Michael, Aachen, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Device for emptying glass melting pots. 1,845,152; Feb. 2.
Findeisen, Paul, Berlin, Germany. Four-stroke internal combustion engine. 1,866,022; July 5.
Findley, Robert, Jamaica, N. Y. Bath spray. 1,882,216; Oct. 11.
Fine, Charles A., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,881,429; Oct. 11.
Fineberg, Roy J., Ottumwa, Iowa. Electric light bulb device. 1,847,953; Mar. 1.
Finfrock, John Q., South Pasadena, Calif. Mail magazine. 1,849,112; Mar. 15.
Finger, Salo C., Far Rockaway, N. Y. Fabricating structures of metal and nonmetallic materials. 1,887,627; Nov. 15.
Fingland, John J., A. D. Turnbull, and P. F. McIntyre, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Refining lead bismuth alloys. 1,840,028; Jan. 5.
Finlay, William S., Merchantville Hills West, N. Y. Recording mechanism. 1,879,151; Sept. 27.
Finished Steel Products Co. (See Green, Ellis, assignor.)
Fink, Colin G., New York, N. Y. Electroplating and producing same. 1,885,700; Nov. 1.
Fink, Colin G., New York, N. Y. Substantially pure tungsten plating and producing same. 1,885,702; Nov. 1.
Fink, Colin G., and F. L. Jones, New York, N. Y.; said Jones assignor to said Fink. Tungsten plating and producing same. 1,885,701; Nov. 1.
Fink, Colin G., New York, and H. D. McLeese, Brooklyn, assignors, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Electrodepositing chromium. 1,844,751; Feb. 9.
Finn, Harry L., New York, N. Y. Floor surfacing machine. 1,841,368; Jan. 19.
Fink, Harry L., New York, N. Y. Terrazzo strip. 1,888,031; Nov. 15.
Fink, Heinrich, and P. Esselmann, Premnitz, Westhavelland, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial fibers. 1,876,890; Sept. 13.
Fink, Henry A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Device for timing and feeding containers. 1,851,167; Mar. 29.
Fink, Henry A., assignor to Continental Can Company, New York, N. Y. Machine for forming closure units for containers. 1,885,703; Nov. 1.
Fink, Henry A., New York, N. Y., and J. E. Schmidt, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Automatic control mechanism for can machinery. 1,848,827; Mar. 8.
Fink, Henry W., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater. 1,866,846; July 12.
Fink, Henry W., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Deflector for heaters. 1,879,152; Sept. 27.
Fink, Henry W., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Deflector for automobile heaters. 1,892,506; Dec. 27.
Fink, James O., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 1,874,268; Aug. 30.
Fink, Walter E., Custer, S. Dak. Foot rest. 1,854,128; Apr. 12.
Fink, William L. (See Horsfield, B. T., Kempf, and Fink.)
Finkbeiner, Daniel T., Beaver, Pa. Fence supporting device. 1,867,816; July 19.
Finke, Frederick W., jr., New York, N. Y. Nonexplosive burner assembly for gas ranges. 1,841,023; Jan. 12.
Finke, Herman A., St. Louis, Mo. Lubricating system. 1,871,973; Aug. 16.
Finke, Le Roy E., et al. (See Krupp, Fred H., assignor.)
Finkeidey, William H., New Rochelle, assignor to Singmaster & Breyer, Inc., New York, N. Y. Roofing material. 1,864,057; June 21.
Finkeidey, William H., New Rochelle, assignor to Singmaster & Breyer, Inc., New York, N. Y. Corrosion protection. 1,867,748; July 19.
Finkelstein, Hans, and F. Achterberg, Uerdingen, assignors to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Manufacture of solutions containing a compound of fluorine and aluminum. 1,881,430; Oct. 11.
Finkelstein, Morris, New York, N. Y. Back comb. 1,843,813; Feb. 2.
Finkenbinder, Erwin O., Cedar Falls, Iowa. Automatic tenscorer. 1,849,777; Mar. 15.
Finkl, A. & Sons Company. (See Finkl, Fred, assignor.)
Finkl, A. & Sons Company. (See Lane, Aubrey R., assignor.)
Finkl, Fred, assignor to A. Finkl & Sons Company, Chicago, Ill. Forged dipper tooth. 1,890,981; Dec. 13.
Finlay, Clare L., Slough, England. Color photography. 1,882,131; Oct. 11.
Finlay, Clare L., Slough, England. Color photography. 1,882,132; Oct. 11.
Finley, Lance G., Bronxville, N. Y., and F. W. Johnson, Cleveland, Ohio, assignors to Raymond Concrete Pile Company, New York, N. Y. Concrete pile. 1,839,304; Jan. 5.
Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Locking mechanism for loose leaf binders. 1,843,871; Feb. 2.
Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf binder. 1,865,364; June 28.
Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, New York, N. Y. Loose-leaf binder. 1,874,092; Aug. 30.
Finley, Charles A., Rutherford, N. J., assignor to Boorum and Pease Company, New York, N. Y. Loose leaf device. 1,878,481; Sept. 20.
Finley, Clarence D., Detroit, Mich. Piston and piston ring therefor. 1,847,756; Mar. 1.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Cutting shingles. 1,846,635; Feb. 23.
Finley, Dozier, Berkeley, Calif., assignor, by mesne assignments, to Toledo Scale Manufacturing Co., Toledo, Ohio. Making paper. 1,875,275; May 10.
Finley, Dozier, Berkeley, Calif., assignor, by mesne assignments, to Toledo Scale Manufacturing Co., Toledo, Ohio. Weighing machine. 1,869,370; Aug. 2.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Machine for wrapping pipes. 1,876,651; Sept. 13.
Finley, Sam E., Atlanta, Ga. Road surfacing composition and making same. 1,845,405; Feb. 16.
Finley, William A., Valdosta, Ga. Heater. 1,891,591; Dec. 20.
Finn, Anna M., administratrix. (See Finn, Hugh J.)

Finn, Charles C., Seattle, Wash. Article and marking. 1,847,390 ; Mar. 1.
Finn, George, Newark, N. J. Sadiron. 1,862,338 ; June 7.
Finn, Hugh J., deceased, by A. M. Finn, administratrix, Brooklyn, N. Y. Submergible apparatus. Re18,472 ; May 17.
Finn, Robert R. (See Bysshe, E. T., and Finn.)
Finn, Sidney J., Beverly, Mass., assignor to United States Macuinery Corporation, Paterson, N. J. Stacking apparatus. 1,846,204 ; Feb. 23.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,850,097 ; Mar. 22.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing applying machines. 1,863,747 ; June 21.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing cementing machine. 1,863,909 ; June 21.
Finn, Stephen M., Jersey City, N. J., assignor to Drake Non-Clinkering Furnace Block Company, Inc., New York, N. Y. Combustion of pulverized or similar fuel. 1,841,587 ; Jan. 19.
Finnegan, John F. (See Milliron, C. E., and Finnegan.)
Finnegan, John L., Nashville, Tenn. Flush valve. 1,841,433 ; Jan. 19.
Finnegan, Kathleen. (See Kosterman, Henry T., assignor.)
Finnegan, Richard A., Webster Groves, assignor to Mo-loney Electric Company, St. Louis, Mo. Coil assembly for transformers. 1,846,801 ; Feb. 23.
Finnell, Walter S., Elkhart, Ind. Vacuum floor mopper. 1,849,663 ; Mar. 15.
Finnell, Walter S., Elkhart, Ind. Floor machine. 1,851,431 ; Oct. 11.
Finnell, Walter S., Elkart, Ind. Brush support for floor machines. 1,841,432 ; Oct. 11.
Finnerty, Thomas J., Mamaroneck, N. Y., assignor of one-half to C. A. Jackson, Ridgewood, N. J. Window device. 1,853,517 ; Apr. 12.
Finney, David P., Wilson, Pa. Conveyer belt. 1,865,310 ; June 28.
Finney, George W. (See Protzeller, H. W., and Finney.)
Finney, Harold W., Maplewood, and J. H. Large, Caldwell, assignors to International Musical Corporation, Hoboken, N. J. Stringed musical instrument. 1,847,303 ; Mar. 1.
Finney, John H. V., Denver Colo, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Safety device. 1,863,155 ; June 14.
Finney, John H. V. and A. D. Marriott, Denver, Colo., assignors, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Classifier. 1,870,409 ; Aug. 9.
Finsen, Eyvind. (See Bullock, E. W., Condon, and Finsen.)
Finsen, Eyvind, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 1,859,704 ; Mar. 1.
Finska Forcit-Dynamit Aktiebolaget. (See Andelin, Anton E., assignor.)
Finson, Edwin R., Central City, Iowa. Operation table for animals. 1,842,015 ; Jan. 19.
Fintex Corporation, The. (See Bloch, Samuel M., assignor.)
Finver, Abraham M., and C. Weber, New York, N. Y. ; said Weber assignor to said Finver. Form roller lifting device for Kelly printing presses. 1,876,891 ; Sept. 13.
Finzi, Gino. (See d'Annunzio, Ugo V., assignor.)
Finzi, Gino. (See d'Annunzio, U. V., and Fingi.)
Fiore, Antonio, and R. A. Ade, Philadelphia, Pa. Thread waxing device. 1,879,153 ; Sept. 27.
Fiorelli, Perdinando, assignor to Terni Societa per L'Industria E L Elettricita, Terni, Italy. Regenerator of Siemens-Martin furnaces. 1,885,704 ; Nov. 1.
Fiorenza, Luigi, New York, N. Y. Advertising envelope. 1,888,313 ; Nov. 22.
Firebar Corporation. (See Buckley, John J.)
Firebar Corporation. (See Thompson, James S., assignor.)
Fire Control Inc. (See Burnham, Arnold W., assignor.)
Fireproof Wall Company. (See Makowski, John F., assignor.)
Firestone Steel Products Company, The. (See Brank, Winfield S., assignor.)
Firestone Steel Products Company, The. (See Broecker, Lewis C., assignor.)
Firestone Steel Products Company. (See Swain, Joseph G., assignor.)
Firestone Tire & Rubber Company, The. (See Abbott, Franz D., assignor.)
Firestone Tire & Rubber Company, The. (See Bowman, Robert H., assignor.)
Firestone Tire and Rubber Company, The. (See Brown, Roy W., assignor.)
Firestone Tire & Rubber Company, The. (See Bush, Albert A., assignor.)
Firestone Tire & Rubber Company, The. (See Flener, Oscar L., assignor.)
Firestone Tire & Rubber Company, The. (See Furnas, Aubrey R., assignor.)
Firestone Tire & Rubber Company, The. (See Gardiner, N. E., and Nichols, assignors.)
Firestone Tire & Rubber Company, The. (See Huslander, Ray D., assignor.)
Firestone Tire and Rubber Company, The. (See Jones, Robert R., assignor.)
Firestone Tire & Rubber Company, The. (See Mullin, Andrew B., assignor.)
Firestone Tire and Rubber Company, The. (See Myers, N. H., and Goodall, assignors.)
Firestone Tire & Rubber Company, The. (See Roberts, Eugene A., assignor.)
Firestone Tire & Rubber Company. (See Robertson, Isaac W., assignor.)
Firestone Tire & Rubber Company, The. (See Shields, Jesse W., assignor.)
Firestone Tire & Rubber Company, The. (See Smith, Clifford D., assignor.)
Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
Firestone Tire and Rubber Company, The. (See Stevens, H. D., and Myers, assignors.)
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Firestone Tire & Rubber Company, The. (See Stevens, William C. and H. D., assignors.)
Firestone Tire & Rubber Company, The. (See Tayman, Stewart R., assignor.)
Firing, Ludvig. (See Monk, R. H., and Firing.)
Firm, Frank, jr., Klein, Mont. Trolley pole. 1,847,002 ; Feb. 23.
Firma Magyar Fém-és Lámpa-Aru-Gyár Reszvénytársaság Ungarische Metallwaren- und Lampenfabriks Actien-Gesellschaft. (See Weszycki, Josef, assignor.)
Firma Tasma-Addiermaschinen G. m. b. H. (See Münzer, Erich, assignor.)
Firsching, Joseph A., Utica, N. Y. Apparatus for dyeing textile fabrics. 1,872,717 ; Aug. 23.
Firsching, Joseph A., jr., Oneida, N. Y. Undergarment. 1,842,472 ; Jan. 26.
First and American National Bank of Duluth, executor. (See Sheldon, Samuel B.)
First, Charles Z. (See Hazlett, W. W., First, and Goodman.)
First Investment Corporation, The. (See Johnson, Cornelius B., assignor.)
First, Mahlon E., assignor to The C. O. Bartlett and Snow Company, Cleveland, Ohio. Article handling device. 1,843,599 ; Feb. 2.
First National Bank and Trust Company of Pearl River, executor. (See Christophel, Carl E.)
First National Production Corporation. (See McClay, Roy C., assignor.)
First Trust & Savings Bank of Pasadena, trustee. (See Key, James F., assignor.)
First Wisconsin Trust Company, executor. (See Miller, Henry C.)
Firsty, Max J., New York, N. Y. Auto hatrack. 1,855,908 ; Apr. 26.
Firth, David, assignor to Marvel Carburetor Co., Flint, Mich. Carburetor heating control. 1,855,129 ; Apr. 19.
Firth, David, assignor to Marvel Carburetor Company, Flint, Mich. Starting system. 1,860,356 ; May 31.
Firth, David, assignor to Marvel Carburetor Co., Flint, Mich. Carburetor. 1,881,433 ; Oct. 11.
Firth, David, assignor to Marvel Carburetor Co., Flint, Mich. Explosive mixture heating control. 1,881,434 ; Oct. 11.
Firth, Lewis G., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Securing tips to tool holders. 1,845,549 ; Feb. 2.
Firth, Lewis G., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Ingot. 1,849,367 ; Mar. 15.
Firth-Smith Company. (See Smith, Joseph J., assignor.)
Firth-Sterling Steel Company. (See Firth, Lewis G., assignor.)
Firth Sterling Steel Company. (See Meth, Max, assignor.)
Fischacher, Henry L., Boston, Mass. Ironing-board structure. 1,892,615 ; Dec. 27.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material functioning as an expansion joint. 1,840,085 ; Jan. 5.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material functioning as an expansion joint. 1,840,086 ; Jan. 5.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Manufacturing constructional material. 1,844,467 ; Feb. 9.
Fischer, Albert C., Chicago, Ill. Apparatus and method for making composition strips. 1,846,325 ; Feb. 23.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Applying waterproof sheets. 1,848,076 ; Mar. 1.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing materials. 1,849,869 ; Mar. 15.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Shingles and foundation sheets. 1,854,164 ; Apr. 12.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roof covering. 1,858,224 ; May 10.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Bituminous mixture. 1,861,407 ; May 31.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,861,408 ; May 31.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint material. 1,862,506 ; June 7.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,865,104 ; June 14.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Oakum packing. 1,869,067 ; July 12.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Adhering fabrics. 1,881,434 ; Oct. 11.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Bituminous mixture for expansion joints and general construction work. 1,881,436 ; Oct. 11.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint. 1,881,437 ; Oct. 11.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing material. 1,881,438 ; Oct. 11.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Packing. 1,881,439 ; Oct. 11.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,881,440 ; Oct. 11.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Preformed composition strip and making. 1,882,702 ; Oct. 18.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Crowning device for corrugating sheets. 1,891,837 ; Dec. 20.

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Waterproof expansion joint. 1,913,642 ; Nov. 1.

Fischer, Carl J. L., Cleveland, Ohio. Electrical lighting set for Christmas trees or the like. 1,843,389 ; Feb. 2.

Fischer, Charles, New York, N. Y. Goggles. 1,839,386 ; Jan. 5.

Fischer, Charles, New York, N. Y. Goggles. 1,846,679 ; Feb. 23.

Fischer, Charles A., Fort Worth, Tex. Gauge cock. 1,858,240 ; May 17.

Fischer, Charles W., assignor to Theo. A. Kochs Company, Chicago, Ill. Chaise longue. 1,879,673 ; Sept. 27.

Fischer, Edward J., Covington, Ky., assignor of one-half to A. A. Altman. Automobile spring and shock absorbing device. 1,872,919 ; Aug. 23.

Fischer, Edward J., Covington, Ky., assignor of one-half to F. A. Cincinnati. Spring device for automotive vehicles. 1,874,269 ; Aug. 30.

Fischer, Edward J., Covington, Ky., assignor of one-half to F. A. Aman. Hydraulic spring device for automobiles. 1,878,450 ; Sept. 20.

Fischer, Ernst. (See Meissner, T., Heyna, and Fischer.)

Fischer, Ernst. Berlin-Tempelhof, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Telephone cable. 1,846,636 ; Feb. 23.

Fischer, Ernst. Berlin-Tempelhof, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Submarine cable. 1,853,676 ; Apr. 12.

Fischer, Ernst, Berlin-Tempelhof, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Telephone cable. 1,853,677 ; Apr. 12.

Fischer, Ernst, Berlin-Tempelhof, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Telephone cable. 1,874,481 ; Aug. 30.

Fischer, Ferdinand, Berlin, Germany. Lithographic or other printing plate. 1,863,976 ; June 21.

Fischer, Frank F., Omaha, Nebr. Memorial grave marker. Des. 87,107 ; June 7.

Fischer, Franz, Mulheim-on-the-Ruhr, Germany. Purifying gases. 1,891,974 ; Dec. 27.

Fischer, Franz J., assignor to the Firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Insulator for transformers. 1,847,603 ; Mar. 1.

Fischer, Franz, assignor to Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Potential measuring transformer. 1,853,764 ; Apr. 12.

Fischer, Franz J., assignor to the Firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Disconnecting switch. 1,863,626 ; June 21.

Fischer, Franz J., assignor to the Firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Transforming device. 1,872,435 ; Aug. 16.

Fischer, Georg, et al. (See Kugler, Heinrich, assignor.)

Fischer, George. Pittsburgh, Pa., bar lid and applicator attachment therefor. 1,840,662 ; Jan. 12.

Fischer, George F. Perryville, Mo. Recording device for automobiles. 1,851,245 ; Mar. 29.

Fischer, Hans, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Rotagravure printing machine. 1,864,192 ; June 21.

Fischer, Hellmut, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Production of beryllium oxide or beryllium hydroxide from technical alkali-beryllium double halides, in particular fluorides. 1,858,771 ; May 17.

Fischer, Herbert. (See Röhm, O., Fischer, and Hess.)

Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 1,813,392 ; Mar. 22.

Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 1,878,389 ; Sept. 20.

Fischer, Howard L., and C. A. Ward, assignors to Brown & Bigelow, St. Paul, Minn. Fountain pen. 1,863,925 ; June 21.

Fischer, Jacob C., Princeton, N. J. Safety laundry tag. 1,845,869 ; Feb. 16.

Fischer, Johann G., Hamburg, Germany. Emptying barrels. 1,888,032 ; Nov. 15.

Fischer, Joseph B., Chicago, Ill. Fermentation bung. 1,866,765 ; July 12.

Fischer, Leo A., Springfield, Ohio. Hydraulic control faucet and ball cock. 1,885,424 ; Nov. 1.

Fischer, Martin, Zurich, Switzerland. Pneumatic clock system. 1,858,955 ; May 17.

Fischer, Michael. (See Mino, E., McCann, Fischer, and Radcliffe.)

Fischer, Peace R. (See Griest, W. C., Carmichael, and Fischer.)

Fischer, Philip A., New York, N. Y. Paper napkin. 1,844,468 ; Feb. 9.

Fischer, Philip A., New York, N. Y. Napkin and making it. 1,882,133 ; Oct. 11.

Fischer, Sigmund, deceased ; S. W. Fischer, jr., administrator, assignor to A. M. Fischer, Providence, R. I. Shoe strap. 1,855,345 ; Apr. 26.

Fischer, Sigmund W., jr., administrator. (See Fischer, Sigmund.)

Fischer, Thomas, and R. Wendlandt, Piesteritz, assignors to Nicodem Caro, Berlin, and A. R. Frank, Berlin-Halensee, Germany. Oxidation of ammonia. 1,850,129 ; Mar. 29.

Fischer, Walter. (See Opfermann, E., and Fischer.)

Fischer, Wilhelm, et al. (See Ruppert, A., Voigt, and Hennig.)

Fischesser, Alfred. (See Reddelien, G., Lange, Fischesser, and Freund.)

Fischi, Siegfried, Berlin, Baumschulenweg, and H. Steiner, Berlin-Adlershof, assignors to the Firm Schering-Kahlbaum A.-G., Berlin, Germany. Production of acid nitriles. 1,876,652 ; Sept. 13.

Fischman & Sons. (See Greenberg, William, assignor.)

Fischman, I. & Sons. (See Richardson, James C., assignor.)

Fischman, I., & Sons. (See Simpson, Frank G., assignor.)

Fish, Charles R., jr., Providence, R. I. Cup and saucer. 1,862,533 ; June 14.

Fish, Edward, New York, N. Y., assignor to Star Machine Manufacturers, Inc., New York, N. Y. Game apparatus. 1,862,863 ; Jun. 21.

Fish, Elbert J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Lubricating means. 1,851,304 ; Mar. 29.

Fish, James, Leominster, assignor to H. P. Shopneck, Dorchester, Mass. Calender roll filling. 1,854,509 ; Apr. 19.

Fish, Mortimer W., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,886,331 ; Nov. 1.

Fish, Mortimer W., and H. F. Clark, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,891 ; Oct. 25.

Fishel, Walter H., assignor to Truscon Steel Company, Youngstown, Ohio. Plaster supporting structure. 1,844,918 ; Feb. 9.

Fisher, Adlai E., assignor of one-half to G. D. Merritt, Haven, Kans. Snowplow. 1,866,094 ; July 5.

Fisher, Albert F., Brighton, assignor to Robeson-Rochester Corporation, Rochester, N. Y. Percolator construction. 1,849,400 ; Mar. 11.

Fisher, Allan W. (See Morris, Daniel, assignor.)

Fisher, Alma M. (See Fischer, Sigmund, assignor.)

Fisher, Arthur R., New York, N. Y. Colon irrigator. 1,847,954 ; Mar. 1.

Fisher, Arthur W., Forest Hills Borough, and W. B. Wells, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,878,273 ; Sept. 20.

Fisher, Benjamin, Swampscott, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,839,305 ; Jan. 5.

Fisher, Charles A., and C. J. Ketner, assignors to Canton Mills Company, Kannapolis, N. C. Jacquard head. 1,861,339 ; May 31.

Fisher, Daniel. (See Watry, Louis T., assignor.)

Fisher, Donald, Elizabeth, N. J., assignor to American Telephone and Telegraph Company. Conduit threader. 1,862,591 ; June 14.

Fisher, Edwin H., assignor to Fisher Scientific Company, Pittsburgh, Pa., Shaking apparatus. 1,855,909 ; Apr. 26.

Fisher, Floyd. Forest City, Iowa. Poultry catcher. 1,862,472 ; June 7.

Fisher, Frank C. Toledo, Ohio. Adjustable fulcrum support for weighing scales. 1,872,920 ; Aug. 23.

Fisher, Frank E., Elmira, N. Y. Spring shackle. 1,861,470 ; June 7.

Fisher, Frank E., Detroit, Mich. Electrical steering device. 1,863,567 ; June 21.

Fisher, Frank E. Detroit, Mich. Tube end cleaner. 1,881,441 ; Oct. 11.

Fisher, Frank S. (See Fisher, Genevieve H. and F. S.)

Fisher, Genevieve H. and F. S., Waltham, Mass. Clasp. 1881,442 ; Oct. 11.
Fisher, George. (See Blum, G., and Fisher.)
Fisher, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Limit for opposed motor control systems. 1,879,154 ; Sept. 27.
Fisher, Gerhard R., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio receiving system. 1,855,184 ; Apr. 26.
Fisher Governor Company, The. (See Browne, Lyle W., assignor.)
Fisher Governor Company, The. (See Elfers, Paul A., assignor.)
Fisher Governor Company, The. (See Wolfe, Kenneth R. D., assignor.)
Fisher, Harmon F. (See Worthington, J. T., and Fisher.)
Fisher, Harmon P., Long Beach, assignor to Petroleum Rectifying Company of California, San Francisco, Calif. Dehydrating emulsions. 1,864,721 ; June 28.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Synchronous gap potential control for treaters. 1,864,722 ; June 28.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Treater using high tension reactance. 1,864,723 ; June 28.
Fisher, Harold W., Elizabeth, N. J., assignor to Standard-I. G. Company. Removing liners from pressure vessels. 1,885,602 ; Nov. 18.
Fisher, Harry C., Norwood, assignor to The Richardson Company, Lockland, Ohio. Molded product similar to stoneware and making the same. 1,870,345 ; Aug. 9.
Fisher, Harry C., Norwood, assignor to The Richardson Company, Lockland, Ohio. Coloring slabs of mineral substances. 1,879,155 ; Sept. 27.
Fisher, Harry C., Norwood, A. M. Overton, Wyoming, and C. L. Keller, Cincinnati, assignors to The Richardson Company, Lockland, Ohio. Making felted structures. 1,849,951 ; Feb. 16.
Fisher, Harry J. (See Henderson, E. W., and Fisher.)
Fisher, Harry L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber conversion products and making the same. 1,852,294 ; Apr. 5.
Fisher, Harry L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber conversion products and making same. 1,852,295 ; Apr. 5.
Fisher, Harry L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber conversion products and making same. 1,852,345 ; Apr. 5.
Fisher, Harry L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber conversion products and making same. 1,852,346 ; Apr. 5.
Fisher, Harry L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat plastic composition and making same. 1,890,903 ; Dec. 13.
Fisher, Henry C., Selma, Ala. Log turner and loader. 1,874,093 ; Aug. 30.
Fisher Hosiery Co., Inc. (See Katzenmoyer, Harry E., assignor.)
Fisher, James B., to Waukesha Motor Company, Waukesha, Wis. Cooling system. 1,872,561 ; Sept. 6.
Fisher, Joseph B., Strathmore, Calif. Pie container. 1,848,120 ; Mar. 8.
Fisher, Joseph B., Strathmore, Calif. Toy gun. 1,892,209 ; Dec. 27.
Fisher, Keller L. M., and J. D. Coney, Williamsport, Pa. Burglar alarm. 1,849,918 ; Mar. 15.
Fisher, Lloyd H., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Igniter charge for blasting caps. 1,890,112 ; Dec. 6.
Fisher, Oliver W., Baton Rouge, La. Mirror. 1,849,001 ; Mar. 8.
Fisher, Robert F., Cleveland, Ohio. Code signal apparatus. 1,855,913 ; Apr. 26.
Fisher, Roy, Los Angeles, Calif. Catching device. 1,851,305 ; Mar. 29.
Fisher, S. H. (See Mitchell, Ernest R., assignor.)
Fisher Scientific Company. (See Fisher, Edwin H., assignor.)
Fisher, Solomon, Chicago, Ill. Display construction. 1,839,871 ; Jan. 5.
Fisher, Teddy B., assignor to Universal Oil Products Company, Chicago, Ill. Protecting liner for plug seats of tubes. 1,847,391 ; Mar. 1.
Fisher, Teddy B., assignor to Universal Oil Products Company, Chicago, Ill. Stream line return header for tubes. 1,865,181 ; June 28.
Fisher, Walter A., assignor to The Willys-Overland Company, Toledo, Ohio. Tire carrier. 1,859,662 ; May 24.
Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Head cooling means. 1,872,267 ; Aug. 16.
Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Lubrication system for sleeve valve engines. 1,888,971 ; Nov. 29.
Fisher, William, Dearborn, Mich. Operating attachment for toggle switches. 1,889,826 ; Dec. 6.
Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Friction element. 1,852,047 ; Apr. 5.
Fisher, William E., Compton, Calif. Land leveler. 1,864,042 ; June 21.
Fisk, Edwin J., Cleveland, Ohio. Poppet valve. 1,868,138 ; July 19.
Fisk, Ernest T., Sydney, New South Wales, Australia. Sound suppressing ventilator fitting for windows. 1,866,201 ; July 5.
Fisk, Ernest T., Sydney, New South Wales, Australia. Screen for wall apertures. 1,878,626 ; Sept. 20.
Fisk, Gustaf L., assignor to Mesta Machine Company, Pittsburgh, Pa. Apparatus for conveying and spraying material. 1,859,359 ; May 24.
Fisk Rubber Company, The. (See Butterfield, Percy L., assignor.)
Fisk Rubber Company, The. (See Castricum, Martin, assignor.)
Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)
Fisk Rubber Company, The. (See Harvey, Robert P., assignor.)
Fisk Rubber Company, The. (See Labine, Roland A., assignor.)
Fisk Rubber Company, The. (See Lehman, Paul W., assignor.)
Fisk Rubber Company, The. (See Littlefield, Lloyd M., assignor.)
Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)
Fisk Rubber Company, The. (See Mead, George J., assignor.)
Fisk Rubber Company, The. (See Pratt, Benjamin H., assignor.)
Fisk Rubber Company, The. (See Smith, Emory T., assignor.)
Fisk Rubber Company, The. (See Soulen, Harry B., assignor.)
Fisk Rubber Company, The. (See Taylor, Edward C., assignor.)
Fisk Rubber Company, The. (See Taylor, William J., assignor.)
Fisk Rubber Company, The. (See Wakefield, Ernest A., assignor.)
Fisk Rubber Company, The. (See Warner, Harold E., assignor.)
Fisk Rubber Company, The. (See Wikle, George F., assignor.)
Fiske, Augustus H., Warren, and C. S. Bryan, East Providence, assignors to Rumford Chemical Works, Rumford, R. I. Purification of phosphoric acid. 1,858,203 ; May 10.
Fiske, Bradley A., New York, N. Y. Reading machine. 1,881,072 ; Oct. 4.
Fiske, Bradley A., New York, N. Y. Reading machine. 1,890,149 ; Dec. 6.
Fiske, Harold C., Minneapolis, Minn., assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse puller. 1,876,892 ; Sept. 13.
Fiske, Kenneth B., Chicago, Ill., assignor to Union Steel Products Company, Albion, Mich. Spiral rotary oven. 1,844,150 ; Feb. 9.
Fison, Frederick J., Cambridge, assignor to Chivers & Sons Limited, Histon, England. Closure for jars, bottles, and similar receptacles. 1,848,773 ; Mar. 8.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Freight handling apparatus. 1,840,574 ; Jan. 12.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Freight transfer station. 1,842,396 ; Jan. 26.
Fitch, Benjamin F., Greenwich, Conn., and A. R. Teare, Lakewood, Ohio, assignors to Motor Terminals Company, Wilmington, Del. System of handling freight. 1,851,539 ; Mar. 29.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Traveling crane. 1,860,733 ; May 31.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for lifting a vehicle body. 1,870,991 ; Aug. 9.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,879,607 ; Sept. 27.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company. Traveling crane. 1,884,641 ; Oct. 25.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Controller for locks of demountable containers. 1,887,711 ; Nov. 15.
Fitch, Ellery R., Westwood, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,879,674 ; Sept. 27.
Fitch, Horley M., Princeton, Me. Fishhook. 1,851,698 ; Mar. 29.
Fitch, Jason A., and E. A. Purnell, assignors to The General Fireproofing Company, Youngstown, Ohio. Desk attachment. 1,848,612 ; Mar. 8.
Fitch, John, Richmond Hill, N. Y., assignor to W. M. Vogel, Glen Ridge, N. J. Sprayer device. 1,891,325 ; Dec. 20.
Fitch, William A., Schenectady, N. Y., assignor to General Electric Company. Producing high frequencies. 1,854,986 ; Apr. 19.
Fitch, William H., Fort Worth, Tex. Operating mechanism for automatic telephones. 1,859,622 ; May 24.
Fitter, Charles F., Coscob, Conn. Dishwashing device. 1,859,769 ; May 24.

Fitts, Charles F., Chicago, Ill. Cleaning apparatus, 1,876,048; Sept. 6.
Fitts, George McK., Siler City, N. C. Brake. 1,890,031; Dec. 6.
Fitts, James L. (See Serrell, J. A., and Fitts.)
Fitts, Silas W. C., Alameda, assignor to The Condor Company, San Francisco, Calif. Packing for doorcheck plungers. 1,891,528; Dec. 20.
Fitz, Charles L., and L. Bachbuber, Mayville, Wis. Rectifier. 1,876,093; Sept. 13.
Fitz, George W., Peconic, N. Y. Micromanipulator. 1,859,823; May 24.
Fitzgerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Converting apparatus. Re18,398; Mar. 29.
Fitzgerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,840,087; Jan. 5.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Transparency measuring apparatus. 1,848,874; Mar. 8.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Telemetric system. 1,849,827; Mar. 15.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Telemetric system. 1,849,870; Mar. 15.
FitzGerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Casing. 1,883,663; Oct. 18.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Telemetering method and apparatus. 1,889,897; Nov. 29.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Control and protection of electric circuits. 1,890,321; Dec. 6.
Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Electric power converting apparatus. 1,891,084; Dec. 13.
FitzGerald, Alan S., Schenectady, and H. L. Palmer, Scotia, N. Y., assignors to General Electric Company. Circuit interrupter. 1,859,082; May 17.
Fitz-Gerald, Arthur G., Bridgeport, Mass. Pneumatic tube and making same. 1,870,561; Aug. 9.
Fitz Gerald, Arthur G., West Newton, Mass. Anti-skid device. 1,877,404; Sept. 13.
Fitzgerald, Francis H., Duluth, Minn. Card displaying or plant marking device. 1,889,281; Nov. 29.
Fitzgerald, Hubert B., Milwaukee, Wis. Suppository for treating vaginal conditions. 1,878,766; Sept. 20.
Fitz Gerald, James W., Savannah, Ga. Cleaning and gas-freeing oil tank, barge or tank vessel. 1,891,592; Dec. 20.
Fitzgerald, John H., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. 1,874,740; Aug. 30.
Fitzgerald, John R., Harlingen, Tex., assignor of one-eighth to O. F. Bakhaus, Castle, Okla. Pressure operated switch. 1,854,473; Apr. 19.
Fitzgerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Switch. 1,851,384; Mar. 29.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,866,886; July 12.
Fitz Gerald, John W., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Padlock. 1,876,893; Sept. 13.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automotive vehicle hood lock. 1,876,894; Sept. 13.
Fitz Gerald, John W., assignor to The Briggs and Stratton Corporation, Milwaukee, Wis. Holder for writing instruments. 1,877,570; Sept. 13.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Padlock. 1,885,425; Nov. 1.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Writing instrument holder. 1,887,402; Nov. 29.
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald Manufacturing Company, The. (See Relchold, Ludwig, assignor.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Massaging apparatus. 1,859,922; May 24.
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Handle and motor assembly for electric utility devices. 1,859,133; May 17.
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Motor assembly including speed control. 1,879 675; Sept. 27.
Fitzgerald, Ralph D., New Kensington, Pa. Closure strip. 1,876,448; Sept. 13.
Fitzgerald, William P., Princess Anne, Md. License tag securing device. 1,847,605; Mar. 1.
Fitzhugh, George D., Los Angeles, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Illuminated sign construction. 1,852,111; Apr. 5.
Fitzky, Wilhelm. (See Kissling, A., Hotz, and Fitzky.)
Fitzmaurice, William J. (See Noonan, John J., assignor.)
Fitzpatrick, Edward O., Seattle, Wash. Binocular. Des. 88,224; Nov. 8.
Fitzpatrick, J. D. (See Hoskins, Earl, assignor.)
Fitzpatrick, James C., assignor of one-fourth to M. Fitzpatrick and one-fourth to N. Fitzpatrick, Higginsville, Mo. Sanitary hog house and pen. 1,875,433; Sept. 6.
Fitzpatrick, Jeremiah, Weymouth, Mass. Foot measuring device. 1,872,921; Aug. 23.
Fitzpatrick, Mary, et al. (See Fitzpatrick, James C., assignor.)
Fitzpatrick, Naomi, et al. (See Fitzpatrick, James C., assignor.)
Fitz Power, Richard. (See Thomas, A., and Fitz Power.)
Fitz Power, Richard, Hampstead, London, assignor to Morland & Impey Limited, Northfield, Birmingham, England. Visible index and the like. 1,866,421; July 5.
Fitz Power, Richard, Hampstead, London, assignor to Morland and Impey Limited, Northfield, Birmingham England. Visible index. 1,867,471; July 12.
Fitzsimmons, John T., Hartford, Conn. Sound reproducing device. 1,868,660; July 26.
Fitzsimmons, John T., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition coil. 1,854,401; Apr. 19
Fitzsimmons, John T., assignor to Delco-Remy Corporation Anderson, Ind. Ignition apparatus. 1,868,006; July 19.
Fitzsimmons, John T., assignor to Delco-Remy Corporation, Anderson, Ind. Motor starting circuit. 1,873,117; Aug. 23.
Fitzsimmons, John T., assignor to Delco Remy Corporation, Anderson, Ind. Ignition apparatus. 1,882,793; Oct. 18.
Fitzsimmons, John T., and J. L. Arthur, assignors to Delco-Remy Corporation, Anderson, Ind. Ignition system. 1,869,098; July 26.
Fitzsimmons, Thomas J., Topeka, Kans. Telephone wire connecting means for railway trains. 1,891,349; Dec. 20.
Fix, Earl L., New Kensington, Pa., assignor to Duplate Corporation. Apparatus for separating composite glass plates. 1,885,245; Nov. 1.
Fix, Earl L., and M. L. Macht, New Kensington, Pa., assignors to Duplate Corporation. Making composite glass. 1,887,550; Nov. 15.
Fix, William S., Finley, Wash. Drawbar. 1,862,956; June 14.
Flach, Walther, Frankfort-on-the-Main, Germany, assignor to Remington Typewriter Company, Ilion, N. Y. Combined typewriting and computing machine. 1,883,892; Oct. 25.
Flachbart, Julius, Kent, Ohio. Tap forming machine. 1,858,738; May 17.
Flack, A. C. (See Lutes, Arthur M., assignor.)
Flack, Theodore J., Brooksville, Fla. Weed cutter. 1,875,689; Sept. 20.
Flader, Fredric, Buffalo, N. Y. Combined shock absorber and wheel brake for aircraft. 1,851,623; Mar. 29.
Flagg, Clarence L., Atlantic, assignor to Bankers Electric Protective Association, Boston, Mass. Night vault. 1,890,941; Dec. 13.
Flagg, Ernest, New York, N. Y. Compartment vehicle. 1,877,747; Mar. 20.
Flagg, Warren W., Orono, Me. Safety-razor. 1,885,814; Nov. 1.
Flagstad, Oscar A., Minneapolis, and R. G. Lee, Hoffman, Minn. Dental crown remover. 1,858,080; May 10.
Flagstad, Oscar A., Minneapolis, and R. G. Lee, Hoffman, Minn. Dental crown remover. 1,858,081; May 10.
Flaherty, Harold J., Swampscott, Mass., assignor to General Electric Company. Vibration absorbing mounting. 1,857,185; May 10.
Flaherty, John, St. Louis, Mo., Ventilating system. 1,863,198; June 14.
Flaherty, Mark, Haddon Heights, N. J., assignor to General Electric Company. Chassis for electrical apparatus. 1,885,892; Oct. 25.
Flake, Eugene A., Marshall, Mo. Glare shield. 1,890,577; Dec. 13.
Flake, Thomas E., assignor of one-half to C. H. Brown, Breckenridge, Tex. Stuffing box. 1,884,642; Oct. 25.
Flaker, Carl, Florissant, Mo. Internal combustion engine. 1,860,667; May 31.
Flamm, Erling, Wilkinsburg, Pa. Scrap book. 1,852,963; Apr. 5.
Flamm, Carl, assignor to Enn-Werke Neu & Neuburger, Nuremberg, Germany. Electric torch. 1,851,503; Mar. 29.
Flanagan, John E. (See Lidseen, G., and Flanagan.)
Flanagan, John F., Napa, Calif., assignor of one-half to C. E. Thurston, Montclair, N. J. Plow attachment for tractors. 1,873,749; Aug. 23.
Flanagan, Thomas B. (See Hallead, Mervil.)
Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. Des. 88,287; Nov. 15.
Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,885,705; Nov. 1.
Flanagan, Thomas J., New Haven, Conn. Stretcher. 1,871,680; Aug. 16.
Flanagan, Victor E. (See Sicka, L. T., and Flanagan.)
Flanagan, Victor E., Wanwatosa, Wis., and L. T. Sicka, Bonne Terre, Mo. Vibrating mechanism. 1,855,265; Apr. 12.

Flanders, George S., and M. A. ap Rhys Pryce, Maracaibo, Venezuela, assignors to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Flow beam. 1,890,536; Dec. 13.

Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,854,830; Apr. 19.

Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measurement of mechanical impedance. 1,880,425; Oct. 4.

Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Metering device. 1,841,526; Jan. 26.

Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Truing mechanism for grinding wheels. 1,847,337; Mar. 1.

Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Correctly setting relieved taps in thread-finishing machines. 1,854,184; Apr. 19.

Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Labyrinth packing. 1,848,613; Mar. 8.

Flanders, Warren E., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing mechanism for marine power plants. 1,859,437; May 24.

Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing mechanism. 1,864,127; June 21.

Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine and condenser construction. 1,881,443; Oct. 11.

Flanders, Paul B., East Orange, N. J., and H. C. Harrison, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loud speaker. 1,841,101; Jan. 12.

Flanigan, John J. (See McNally, Edward E., assignor.)

Flanigan, John J., Oak Park, Ill. Stand for a duplicating machine or the like. Des. 86,673; Apr. 5.

Flanigan, John J., Oak Park, Ill. Stand for a duplicating machine or the like. Des. 87,002; May 24.

Flanigan, John J., Oak Park, Ill. Automatic margin bar for duplicating machines. 1,844,245; Feb. 9.

Flanigan, John J., Oak Park, Ill. Duplicating machine. 1,844,547; Feb. 9.

Flanigan, John J., Oak Park, assignor to Vivid, Incorporated, Chicago, Ill. Duplicating machine. 1,872,718; Aug. 23.

Flanigan, John J., Oak Park, assignor to Vivid, Incorporated, Chicago, Ill. Duplicating machine. 1,872,719; Aug. 23.

Flanigan, Samuel H., Fresno, Calif. Adjustable ceiling mirror. 1,860,928; May 31.

Flannery Bolt Company. (See Landgraf, Frederick K., assignor.)

Flannery, John L., Greenwich, Conn. Toy edifice. 1,858,483; Nov. 22.

Flanzer, Joseph A. (See Jones, L. L., and Flanzer.)

Flanzer, Joseph A. (See Jones, L. L., Flanzer, and Reisman.)

Flanzer, Joseph A., Brooklyn, assignor, by mesne assignments, of one-half to Technidyne Corporation, and one-half to M. James, New York, N. Y. Roaster. 1,870,619; Aug. 9.

Flanzer, Joseph A., Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Manufacture of resistance units. 1,881,444; Oct. 11.

Flanzer, Joseph A., Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Resistor. 1,881,446; Oct. 11.

Flanzer, Joseph A., and E. Reisman, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Resistance. 1,881,445; Oct. 11.

Flarsheim, Edwin S., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Electrical apparatus. 1,851,504; Mar. 29.

Flarsheim, Edwin S., assignor to The Leibel-Flarsheim Company, Cincinnati, Ohio. Time switch. 1,864,487; June 21.

Flashtric Sign Works. (See Goddard, Arthur L., assignor.)

Flashtric Sign Works. (See Reitherman, Ralph W., assignor.)

Flath, Otto S. (See Schwendt, B. J., and Wiegand, assignors.)

Flather, Herbert L., Nashua, N. H. Work rotating structure for machine tools. 1,891,923; Dec. 27.

Flatley, John H., Little York, assignor to Brown Lynch Scott Co., Monmouth, Ill. Wheeled barrow frame. 1,861,663; June 7.

Flander, Alfred J., Trumbull, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Pedestal or analogous article. Des. 86,518; Mar. 15.

Flander, Alfred J., Trumbull, assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Bottle opener. Des. 87,567; Aug. 16.

Flautt, Porter H., assignor of one-half to F. C. Yingling, Baltimore, Md. Pouring spout. 1,845,964; Feb. 16.

Flautt, Porter H., assignor of one-half to F. C. Yingling, Baltimore, Md. Bottle closure and pouring spout. 1,845,965; Feb. 16.

Flautt, Porter H., assignor of one-half to F. C. Yingling, Baltimore, Md. Universal pouring spout. 1,845,966; Feb. 16.

Flavin, Walter K., Arlington, Mass. Noise eliminator. 1,886,332; Nov. 1.

Flaxman, Marcellus T. (See Dunham, R. A., and Flaxman.)

Fleck, Abraham J., Bradley Beach, N. J. Sound reproducing device. 1,849,401; Mar. 15.

Fleck, Albert H., assignor of two-fifths to M. B. Koelliker, Cleveland, Ohio. Fitting. 1,848,521; Mar. 8.

Fleck, Albert H., assignor of two-fifths to M. B. Koelliker, Cleveland, Ohio. Bath, basin, and receptacle fitting. 1,859,697; May 24.

Fleck, Alexander, Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Production of quicklime and sulphur dioxide. 1,845,744; Feb. 16.

Fleckenstein, Florian, Pankow, and G. W. Müller, Charlottenburg, Germany, assignors to General Electric Company. Support for electric discharge devices. 1,873,834; Aug. 23.

Fleck, Roy E., Oil City, Pa. Automobile signal. 1,861,306; May 31.

Fleet, Reuben H., Aberdeen, Wash., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,865,749; July 5.

Fleetwood, Gilbert P. (See Scott, E. A., and Fleetwood.)

Fleet, Harison D., assignor, by mesne assignments, to Hamilton Beach Manufacturing Company, Racine, Wis. Drink mixer. 1,839,666; Jan. 5.

Fleig, Alexander J., Rutherford, N. J. Distant control equipment. 1,841,283; Jan. 12.

Fleisch, Christian, Saarbrucken, France. Manufacture of a plastic waterproofing medium made of calf's tallow or fat and lime. 1,858,097; July 19.

Fleischer, Charles. (See Rabkin, W., and Fleischer.)

Fleischer, Charles, Brooklyn, N. Y., assignor to J. F. Meyer, Chicago, Ill. Coin controlled switch. 1,861,384; May 31.

Fleischer, Dave, Brooklyn, N. Y. Marking films for producing sound effects. 1,888,914; Nov. 22.

Fleischer I., & Sons. (See Fleischer, Nathan I., assignor.)

Fleischer, Max, Brooklyn, N. Y. Doll or similar article. Des. 86,224; Feb. 16.

Fleischer, Max, Brooklyn, N. Y. Doll or similar article. Des. 86,225; Feb. 16.

Fleischer, Max, Brooklyn, N. Y. Tempo indicating motion picture film. 1,887,925; Nov. 15.

Fleischer, Nathan I., assignor to I. Fleischer & Sons, Cincinnati, Ohio. Protective cover. 1,879,739; Sept. 27.

Fleischer, Paul Werner, Weehawken, assignor to New Jersey Machine Corporation, Hoboken, N. J. Sheet reversing device for gumming machines. 1,868,283; July 19.

Fleischer, Paul Werner, and M. Feybusch, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Box covering machine. 1,868,284; July 19.

Fleischman, Leo, New York, N. Y. Cement for floor coverings. 1,846,637; Feb. 23.

Fleischman, Samuel, assignor to U. S. Tool Manufacturing Co., Chicago, Ill. Window cleaning device. 1,883,664; Oct. 18.

Fleischmann, Frederick A., Drexel Hill, and A. L. Marsh, Philadelphia, Pa. Quick shifting mechanism for dynamometer cars. 1,863,440; June 14.

Fleischmann, Frederick A., Drexel Hill, and A. L. Marsh, Philadelphia, Pa. Weighing head for dynamometer apparatus. 1,878,835; Sept. 20.

Fleischmann, Hanns. (See Immerheier, C., Zschimmer, Fritsch, and Fleischmann.)

Fleischmann, Lionel, Berlin-Grunewalde, and C. Krämer, Berlin-Pankow, Germany, assignors to General Electric Company. Controlling the liquid level in vapor condensation pumps. 1,840,496; Jan. 12.

Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. System and apparatus for proof box conditioning. 1,853,853; Apr. 12.

Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Vaporizer. 1,859,770; May 24.

Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Air conditioning unit. 1,883,665; Oct. 18.

Fleishman, Morris, and H. Feilman, Long Beach, N. Y. Perambulator body. 1,842,159; Jan. 19.

Fleisig, Harry, New York, N. Y. Doll's trunk. Des. 88,046; Nov. 22.

Fleming, Ambrose, West Lynn, Mass. Magazine pencil. 1,886,333; Nov. 1.

Fleming, Elmer A. (See Corley, C., and Fleming.)

Fleming, Frank A. (See Howell, R. C., and Fleming.)

Fleming, James, Cleveland, Ohio. Bottle washer and rinsing machine. 1,876,895; Sept. 13.

Fleming, Jared B., assignor to The Van Dorn Electric Tool Company, Towson, Md. Casing for a portable electric polisher. Des. 87,432; July 26.

Fleming, Jared B., assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable fender straightening tool frame. Des. 87,913; Oct. 11.

Fleming, John J., Vineland, N. J. Furnace grate. 1,888,661; Nov. 22.

Fleming, John R., Cleveland, and E. M. Winegar, Willoughby, assignors to The Ohio Rubber Company, Cleveland, Ohio. Press. 1,876,896; Sept. 13.

Fleming, John R., Cleveland, and E. M. Winegar, Willoughby, assignors to The Ohio Rubber Company, Cleveland, Ohio. Bead strip attaching press. 1,876,898; Sept. 13.
Fleming Machine Company. (See Ellingham, Robert W., assignor.)
Fleming, Norman O., Pasadena, Calif. Dual element cooling tower. 1,864,898; June 28.
Fleming, Robert E., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,848,121; Mar. 8.
Fleming, Theodore B., Latrobe, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line device. 1,838,715; Nov. 22.
Fleming, Thomas, Akron, East St. Louis, Ill. Doorlock. 1,862,672; June 14.
Fleming, Wells S., Portland, Oreg. Drain fixture. 1,858,268; May 17.
Flemming, Charles F., Willoughby, assignor to The Ohio Rubber Company, Cleveland, Ohio. Vulcanization. 1,876,897; Sept. 13.
Flemming, Walter. (See Luther, M., and Flemming.)
Flener, Oscar L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building machine. 1,855,229; Apr. 26.
Flenley, Alfred E., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,872,720; Aug. 23.
Flentje, Ernst, Cambridge, Mass. Auxiliary spring for automobile seats. 1,838,940; Jan. 5.
Flentje, Ernst, Cambridge, Mass. Shock absorber. 1,856,325; May 3.
Flesche, Mabel. (See Townes, Thomas P., assignor.)
Flesher, Otho M. (See Turrell, A. R., and Flesher.)
Fletcher, Albert L. (See Gilbert, N. S., and Fletcher.)
Fletcher, Allen H., Bakersfield, Calif. Vacuum sand ballcr. 1,877,797; Sept. 20.
Fletcher, Archibald G., Springfield, Mass. Damper apparatus. 1,875,581; Sept. 6.
Fletcher, Arthur P. (See Fletcher, E. B. G., and Fletcher.)
Fletcher, George J., Chicago, Ill. Spring suspension. 1,860,280; May 24.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Unit roller bit head and cutters. 1,839,387; Jan. 5.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Pneumatic swab. 1,846,000; Feb. 16.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Apparatus for pumping liquid. 1,846,001; Feb. 16.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Raising liquid from wells. 1,846,002; Feb. 16.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Cutter for earth boring drills. 1,856,627; May 3.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Carburizing furnace. 1,867,737; July 19.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Well strainer and making same. 1,874,035; Aug. 30.
Fletcher, Henry O., Ansonia, Conn. Milling machine. 1,842,397; Jan. 26.
Fletcher, James. (See Kerr, H. J., and Fletcher.)
Fletcher, John, New York, N. Y. Electric toaster or similar article. Des. 87,643; Sept. 13.
Fletcher, John B., Newport, Ky. Power driven washing machine. 1,876,653; Sept. 13.
Fletcher, John P., the United States Army, Carlisle, Pa., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,867,355; July 12.
Fletcher, John T., Plainview, Tex. Commodity handling apparatus. 1,850,170; Nov. 29.
Fletcher, Joseph E., Dudley, assignor of one-half to The British Cast Iron Research Association, Birmingham, England. Cupola and like furnace. 1,853,200; Apr. 12.
Fletcher, Maud I., Douglas, Ariz. Prestarched lining for cuffs and other apparel. 1,886,798; Nov. 8.
Fletcher, Thomas. (See Heisler, C. A., and Fletcher.)
Fletcher, William, London, England, and A. O. Lewis, Glais, Wales. Hair waver. 1,866,555; July 12.
Fletcher, William B. (See Wheeler, T. S., and Fletcher.)
Fletcher, William C. (See Preston, E. J., Fletcher, and Reynolds.)
Fletcher Works. (See Schaum, Fletcher, assignor.)
Fletcher Works, Incorporated. (See Schaum, Carl, assignor.)
Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)
Fleth, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of diazo-nitroaryl compounds. 1,870,842; Aug. 9.
Fleitner, Anton, Berlin, Germany. Steering gear for vehicles. 1,889,728; Nov. 29.
Flewelling, Edmund T., Dayton, Ohio. Short wave adapter. 1,851,354; Mar. 29.
Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
Flexible Steel Lacing Company. (See Purple, George E., assignor.)
Flexible Truck Corporation. (See Taylor, Howard D., assignor.)
"Flexitallic" Gasket Co. (See Fryling, Harry F., assignor.)
Flexon, Floyd, Fairmont, W. Va., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine mold and mold carrier. 1,845,654; Feb. 16.
Flexwood Company, The. (See Elmendorf, Armin, assignor.)
Flick, Zeno E. (See Field, C. F., and Flick.)
Fliegel, A. C., et al. (See Nowlin, Aubrey C., assignor.)
Fliegel, Hubert H., Merrick, N. Y. Hatch construction for upper decks. 1,875,699; Aug. 23.
Flink, Charles M., and J. Olson, Ironwood, Mich. Folding table. 1,877,654; Sept. 13.
Flink, John H., Watertown, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Shears. 1,860,409; May 31.
Flint, Asher, A. Zimmerman, and J. G. Leo, assignors to Fox Film Corporation, New York, N. Y. Film printing machine. 1,855,827; Apr. 26.
Flint, Asher, A. Zimmermann, and J. G. Leo, assignors to Fox Film Corporation, New York, N. Y. Film printing machine. 1,864,238; June 21.
Flint, James A., assignor to The Traylor Vibrator Company, Denver, Colo. Electric reciprocating motor. 1,846,326; Feb. 23.
Flint, James A., assignor to The Traylor Vibrator Company, Denver, Colo. Crusher. 1,847,083; Mar. 1.
Flint, James A., assignor to The Traylor Vibrator Company, Denver, Colo. Percussive tool. 1,847,085; Mar 1.
Flint, James A., assignor to The Traylor Vibrator Company, Denver, Colo. Screen. 1,886,173; Nov. 1.
Flint, James A., and F. T. Hazeltine, assignors to The Traylor Vibrator Company, Denver, Colo. Apparatus for the wet screening or separation of intermixed materials. 1,886,174; Nov. 1.
Flint, Justin T. (See Allsup, Allen R., assignor.)
Flintermann, Edgar D., assignor to Michigan Steel Casting Company, Detroit, Mich. Heat treating furnace and the like. 1,842,200; Jan. 19.
Flintermann, Gerhard, West Orange, N. J. Adjustable seat for vehicles. 1,856,950; May 3.
Flintermann, Gerhard, West Orange, N. J. Flexible joint. 1,869,137; July 26.
Flintermann, Gerhard, West Orange, N. J. Razor kit. 1,886,123; Nov. 8.
Flintermann, Gerhard, West Orange, N. J. Razor kit. 1,887,124; Nov. 8.
Flintermann, Gerhard, West Orange, N. J. Adjustable seat. 1,890,048; Dec. 6.
Flintjer, Walter J., Cheyenne, Wyo. Beet harvester. 1,853,666; Oct. 18.
Flintkote Corporation, The. (See De Lange, Allert J., assignor.)
Flintkote Corporation, The. (See Eichwald, Egon, assignor.)
Flintkote Corporation, The. (See Gregg, Maxwell G., assignor.)
Flintkote Corporation, The. (See Groskopf, Edwin O., assignor.)
Flintkote Corporation, The. (See Kirschbraun, Lester, signor.)
Flintkote Corporation, The. (See Levin, Harold L., assignor.)
Floco, Vincent, Newark, N. J. Remote tuning control for radioreceivers. 1,877,502; Sept. 13.
Flockhart, James, San Francisco, Calif. Screen printing machine. 1,891,622; Dec. 20.
Flockhart, James, San Francisco, Calif. Stencil brush. 1,892,267; Dec. 27.
Flockhart, James, San Francisco, Calif. Screen stencil frame. 1,892,268; Dec. 27.
Flodin, Henning G., and E. G. T. Gustafsson, Stockholm, Sweden. Producing iron or steel alloys. 1,857,779; May 10.
Flodin, Nils and G. Cornelius, Stockholm, Sweden. Apparatus for continuously producing briquettes. 1,887,149; Nov. 8.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Lubricated and sealed plug valve. 1,875,302; Aug. 30.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Cock. 1,891,759; Dec. 20.
Flogaus, Howard A., assignor to The Willys-Overland Company, Toledo, Ohio. Jack. 1,885,815; Nov. 1.
Flood, Bernard A. (See White, W. A., and Flood.)
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Pin ticket. 1,839,543; Jan. 5.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Stapling machine. 1,854,647; Apr. 19.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Pin strip. 1,880,197; Dec. 4.
Flood, Oscar S. (See Graham, L. L., and Flood.)
Flood, Oscar S., assignor to Sellstrom Manufacturing Company, Chicago, Ill. Helmet. 1,885,426; Nov. 1.
Flook, George, Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Feed for covers or ends for containers. 1,864,422; June 21.
Floorola Corporation, The. (See Doub, Clarence C., assignor.)
Floorola Corporation, The. (See Newcomer, Ernest J., assignor.)

Floraday, Burton S., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Manufacture of window regulator. 1,842,520; Jan. 26.
Floraday, Burton S., Toledo, Ohio, assignor to Hydraulic Brake Company, Detroit, Mich. Brake mechanism. 1,867,913; July 19.
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Handle. 1,871,169; Aug. 9.
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,876,654; Sept. 13.
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Door latch. 1,876,655; Sept. 13.
Florance, Warren B., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rail anchor. 1,840,891; Jan. 12.
Florang, Emil A., Burlington, Iowa. Cover for containers. 1,891,153; Dec. 13.
Florence Pottery Company, The. (See Haserodt, Grant H., assignor.)
Florence Stove Company. (See Berry, H. O., and Bradbury, assignors.)
Florence Stove Company. (See Berry, H. O., and White, assignors.)
Florence Stove Company. (See Bradbury, William T., assignor.)
Florence Stove Company. (See White, F. E., Berry, and Bradbury, assignors.)
Florence Stove Company. (See White, F. E., and Ruttiman, assignors.)
Florian, Otto. (See Horn, E., and Florian.)
Florida Citrus Machinery Company. (See Skinner, Bronson C., assignor.)
Florimond, Julien J., Paris, France, assignor to The Risler Corporation of America, Kansas City, Mo. Process and apparatus for making vacuum tubes. 1,886,475; Nov. 8.
Florisdon, Charles G., and G. Langevin, P., and Florisson.)
Florman, Irving, New York, N. Y. Ornament for a radiator cap or the like. Des. 87,876; Oct. 4.
Florman, Irving, New York, N. Y. Card dealing device. 1,891,085; Dec. 13.
Florsheim, Harry A., New York, N. Y. Separable attachment. 1,872,804; Jan. 26.
Flory, Andrew, Grantwood, N. J. Textile fabric or the like. Des. 88,515; Dec. 6.
Flory, Harry G., and G. Coley, Luton, England, assignor to George Kent, Limited, London, England. Valve. 1,890,847; Dec. 13.
Floss, Carl W., Detroit, Mich. Indexing device. 1,854,251; Apr. 19.
Floss, Carl W., Detroit, Mich. Grinding device. 1,863,042; June 14.
Flour City Specialty Manufacturing Company. (See Welsh, Richard E., assignor.)
Flower, Arthur H., and J. C. Housekeeper, assignors to The Island Manufacturing Company, Dayton, Ohio. Cellular heat insulation material. 1,871,974; Aug. 16.
Flower, George E., Hobart, N. Y. Water heater. 1,840,575; Jan. 12.
Flower, Harry B., Bayville, N. Y. Self-railing trackway. 1,888,760; Nov. 22.
Flowers, John B., Brooklawn, N. J. Production of sound. 1,860,807; May 31.
Floyd, Henry B. (See Brothers, John T., assignor.)
Floyd Manufacturing Company. (See Potensa, Franklin D., assignor.)
Floyd, William C., assignor one-third to D. A. Simpson, Hawkinsville, Ga. Auto cun. 1866,202; July 5.
Fluck, Richard, Berlin, and A. Pabell, Berlin-Schmargendorf, assignors to Wilhelm von Radowitz, Berlin, Germany. Making fertilizer from feces or the like. 1,849,459; Dec. 13.
Fluga Aktiengesellschaft. (See Heylandt, Christian W. P., assignor.)
Fluharty, William G., Rockville Center, and P. A. Noxon, Jackson Heights, assignors to The Western Union Telegraph Company, New York, N. Y. Synchronizing and phase indicating device. 1,862,474; June 7.
Fluid Heat, Incorporated. (See Marshall, Albert E., assignor.)
Fluker, William H., Thomson, Ga. Motor vehicle license tag. 1,850,005; Mar. 15.
Flumerfelt, William A., Columbus, Ohio, assignor to The Columbus Auto Parts Company. Bearing joint. 1,853,121; Apr. 12.
Flumerfelt, William A., Columbus, Ohio, assignor to The Columbus Auto Parts Company. Joint. 1,853,122; Apr. 12.
Flumerfelt, William A., Columbus, Ohio, assignor to The Columbus Auto Parts Company. Joint construction. 1,891,804; Dec. 20.
Fluor Connection Co. (See Martin, Guy T., assignor.)
Fly, Paul C. (See Vallendor, M. L., and Fly.)
Flynn, Benjamin H., Amarillo, Tex. Grading machine. 1,841,799; Jan. 19.
Flynn, Benjamin H., Amarillo, Tex. Pavement covering and uncovering machine. 1,851,424; Mar. 29.
Flynn, Benjamin H., Amarillo, Tex. Tamper or spader. 1,865,685; July 5.
Flynn, Benjamin H., Amarillo, Tex. Method and form for concrete highway construction. 1,868,819; July 26.
Flynn, Benjamin H., Alexandria, La. Highway construction over-pass. 1,868,820; July 26.
Flynn. Benjamin H., Alexandria, La. Transmission mechanism. 1,871,975; Aug. 16.
Flynn, Benjamin H., Alexandria, La. Grading machine. 1,883,667; Oct. 18.
Flynn, Edmund J., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of lithopone. 1,882,072; Oct. 11.
Flynn and Emrich Company. (See Huber, Charles J., assignor.)
Flynn, Frank E., Warren, Ohio, assignor to Republic Steel Corporation,, Pittsburgh, Pa. Rolling metal sheets 1,860,913; May 31.
Flynn, Joe M., Rutledge, Ala. Feed mixing apparatus. 1,855,828; Apr. 26.
Flynn, John B. (See Archer, T. P., and Flynn.)
Flynn, John B. (See Schnell, W., and Flynn.)
Flynn, John B. (See Simpson, E. G., De Sann, and Flynn.)
Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door latch. 1,857,684; May 10.
Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door locking device. 1,877,836; Sept. 20.
Flynn, John E., Detroit, Mich., and M. W. Elliott, Lexington, Ky. Curtain device. 1,857,368; May 10.
Flynn, John J. (See Butler, W. J., and Flynn.)
Flynn, Joseph F., Brooklyn, N. Y. Foot pad. 1,867,142; July 12.
Flynn, Maurice J. (See Fernane, E. J., and Flynn.)
Flynn, Mortimer F., Grant City, N. Y. Apparatus for cleaning and conditioning fabrics. Re18,583; Apr. 30.
Flynn, Mortimer, F., West New Brighton, N. Y. Apparatus for cleaning and conditioning fabrics. 1,847,870; Mar. 1.
Flynn, Mortimer F., West New Brighton, N. Y., assignor to Bird Machine Company, South Walpole, Mass. Napping or felt conditioning apparatus. 1,874,270; Aug. 30.
Foben, Jacob, Jamesburg, N. J. Turfing machine. 1,888,379; Nov. 22.
Fobert, Phillip J., assignor to Detroit Aluminum & Brass Company, Detroit, Mich. Bearing babbitting machine. 1,853,344; Apr. 12.
Fobert, Phillip J., assignor to Detroit Aluminum & Brass Company, Detroit, Mich. Bearing dividing machine. 1,890,848; Dec. 13.
Fobert, Phillip, J., and A. J. Ducharme, assignors to Detroit Aluminum & Brass Company, Detroit, Mich. Grinding or cutting machine. 1,876,899; Sept. 13.
Fobert, Phillip J., and A. J. Ducharme, assignors to Detroit Aluminum & Brass Company, Detroit, Mich. Machine for trimming bearings or the like. 1,876,900; Sept. 13.
Fobian, George H. (See Ferris, W., and Fobian.)
Focaracci, Ralph, Miami, Fla. Hinge for window screens. 1,857,717; May 10.
Focke, Henrich, Bremen, Germany. Aircraft wing. 1,830,079; Dec. 6.
Foerster, Bernhard, Pforzheim, Germany. Device for feeding the guide sleeves for spring rings to the points for working. 1,856,951; May 3.
Foerster, Bernhard, Pforzheim, Germany. Working guide sleeves for spring rings. 1,856,952; May 3.
Foerster, Walter F., Evansville, Ind., assignor of one-half to F. W. Boerner, Posey County, Ind. Permutation lock. 1,856,989; May 3.
Foersterling, Hans, deceased. Jamesburg, N. J.: R. J. McNitt, administrator ad litem. Preparing a gas mixture suitable for substantially complete combustion. 1,882,795; Oct. 11.
Fog, Herbert T., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Combination display and shipping container. 1,873,752; Jan. 5.
Fogal, Jay R., San Francisco, Calif. Fuse. 1,857,298; May 10.
Fogal, Jay R., San Francisco, Calif. Fuse. 1,874,948; Aug. 30.
Fogal, Jay R., San Francisco, Calif. Fuse. 1,874,949; Aug. 30.
Fogal, Jay R., San Francisco, Calif. Fuse. 1,880,379; Oct. 4.
Fogarty, John A. (See Hill, R. B., and Fogarty.)
Fogarty, Michael L. (See Goold, Horace A., assignor.)
Fogarty, Thomas C., Kew Gardens, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,844,846; Feb. 9.
Fogel, Clifford A. (See Nelson, F. O., and Fogel.)
Fogel, Joseph. (See Gold, M., Most, and Fogel.)
Fogelquist, Gunnar Per Olof. (See Granstedt, Johan A., assignor.)
Fogh, Christian P., Oakland, Calif. Awning. 1,842,598; Jan. 26.
Fogle, Bennie D., Springfield, S. C. Automobile device. 1,887,405; Nov. 8.
Fogler, Arthur S., Terre Haute, Ind. Collapsible container. 1,892,140; Dec. 27.
Fogwell, Harrison H., and C. H. Judd, Los Angeles, Calif. Safety speed controller. 1,872,133; Aug. 16.
Föhl, Carl, Stockholm, Sweden, assignor to Ruthsaccumulator Aktiebolag, Berlin, Germany. Method of and apparatus for controlling steam generation. 1,867,143; July 12.
Fohn, Adolf E. (See Wilson, H. S., and Fohn.)
Fohn, Adolph E., assignor to Aurora Metal Cabinet Co., Aurora, Ill. Drawer latch. 1,845,704; Feb. 16.
Führenbach, Rudolf, Offenburg in Baden, Germany, assignor to Wolfgang Grethmann, New York, N. Y. Glass beveling machine. 1,848,470; Mar. 8.

Folberth, Frederick G. and W. M., Cleveland, Ohio. Exerciser. 1,853,504; Apr. 12.
Folberth, Gustav C., New York, N. Y. Novelty jumping accessory for sleds or the like. 1,863,441; June 14.
Folberth, William M. (See Folberth, Frederick G. and W. M.)
Folding Products Corporation. (See Erlinder, Peder E., assignor.)
Fold-Well Table Co. Inc. (See Lewis, George W., assignor.)
Foley, Earl H., Seattle, Wash., assignor to Filmtone Corporation. Sound recording device. 1,870,446; Aug. 9.
Foley, Earl H., Astoria, N. Y., assignor to Filmtone Corporation. Sound recording and reco:d. 1,870,447; Aug. 9.
Foley, Edward J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting tool. 1,866,095; July 5.
Foley, Francis B. (See Cox, J. L., and Foley.)
Foley, Francis J., Norwood, Mass. Demonstrating device. 1,848,943; Mar. 8.
Foley, Frank W., Dollar Bay, Mich. Bridge mold. 1,842,016; Jan. 19.
Foley, Frank W., Dollar Bay, and A. T. Sweet, Houghton, Mich. Apparatus for forming metal strips. 1,879,336; Sept. 27.
Foley, John R. (See Hart, Marjorie, assignor.)
Foley, John R., New York, N. Y. Method and apparatus for molding hollow rings of rubber or the like. 1,851,505; Mar. 29.
Foley, John R., New York, N. Y. Bucket or can silencer. 1,866,457; July 5.
Foley, John R., New York, N. Y. Identifying rubber goods. 1,875,582; Sept. 6.
Foley Manufacturing Company. (See Peterson, A., and Cornell, assignors.)
Folino, Arminio. (See Brayman, N. D., and Folino.)
Folino, John, Wilkinsburg, assignor of one-fourth to W. B. Jasperte, Mount Lebanon, Pa. Aeroplane. 1,855,911; Apr. 26.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Drive for slicing machines. 1,846,855; Feb. 23.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feed mechanism for slicing machines. 1,856,326; May 3.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Power drive for slicing machines. 1,865,243; June 28.
Folker, Howard S., Mill Valley, Calif., assignor to National Safety Appliance Company, Reno, Nev. Train control system. 1,856,186; May 10.
Folker, Johannes K., Charlottenlund, and F. F. Truelsen, Copenhagen, Denmark. Sack inverting machine. 1,878,627; Sept. 20.
Folkman, Hiram T., et al. (See Folkman, Morris, assignor.)
Folkman, Leslie G., et al. (See Folkman, Morris, assignor.)
Folkman, Morris, assignor of one-third to R. Deutsch, two-ninths to H. T. Folkman, two-ninths to N. Folkman and two-ninths to L. G. Folkman, Cleveland, Ohio. Safety catch for brooches and the like. 1,850,623; Mar. 22.
Folkman, Nathan, et al. (See Folkman, Morris, assignor.)
Folkner, George W., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch. 1,847,213; Mar. 1.
Follansbee Brothers Company. (See Reno, Robert E., jr., assignor.)
Follet, Didier R. L., assignor to Societe l'Air Liquide Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Caulde, Paris, France. Automatic measuring device for gaseous mixture analysis. 1,850,871; Mar. 22.
Folliet, Alexandre, and N. Sainderichin, Paris, France. Agglomeration of finely-divided ferruginous ores, concentrates, and the like. 1,866,203; July 5.
Folliet, Alexandre, and N. Sainderichin, Paris, France. Heater suitable for gaseous fluids. 1,891,879; Dec. 20.
Folliss, Charles. (See Willshaw, H., Goodhall, and Follis.)
Follmer, Clogg & Co. (See Marwell, John A., jr., assignor.)
Folmer-Chapin Corporation. (See Folmer, William F., assignor.)
Folmer-Chapin Corporation. (See Folmer, W. F., and Chapin, assignors.)
Folmer Graflex Corporation, The. (See Petit, W. H., and Hineline, assignors.)
Folmer, William F., assignor to Folmer-Chapin Corporation, Rochester, N. Y. Folding table for automobiles. 1,863,368; June 14.
Folmer, William F., and H. L. Chapin, assignors to Folmer-Chapin Corporation, Rochester, N. Y. Electrical insect exterminator. 1,848,614; Mar. 8.
Folmer, William F., and H. L. Chapin, assignors to Folmer-Chapin Corporation, Rochester, N. Y. Electric insect exterminator. 1,852,923; Apr. 5.
Folsom, Cecil A., et al. (See Burpee, John H., assignor.)
Folsom, Fredrick N., Santa Rosa, Calif. Brooder. 1,841,723; Jan. 19.
Folsom, H & D Arms Co. (See Denkert, James R., assignor.)
Folsom, H & D Arms Co. (See Franz, Ferdinand, assignor.)
Folsom, Ralph, Pendelton, Oreg. Table assembly. 1,854,129; Apr. 12.
Folsom, Robert M., Reading, Mass., assignor to New England Fuel and Transportation Company, trustees. Charging coke ovens. 1,886,948; Nov. 8.
Folsom, Robert M., Reading, Mass., assignor to New England Fuel and Transportation Company, trustees. Apparatus for producing gas and coke. 1,886,949; Nov. 8.
Foltz, Raymond D., South Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,858,489; May 17.
Foltz, Raymond D., South Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,868,352; July 19.
Foltz, Raymond D., South Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,870,721; Aug. 9.
Fomhof, Lloyd. (See Schlesinger, H. G., and Fomhof.)
Fonda, Bayard P., assignor to The Silicia Gel Corporation, Baltimore, Md. Cycle control system. 1,892,428; Dec. 27.
Fondiller, William, Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Continuously loaded conductor. 1,855,571; Apr. 26.
Fongner, Hermann, Larchmont, N. Y. Ramp. 1,853,266; Apr. 12.
Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Thermostatic control mechanism. 1,857,187; May 10.
Fonseca, Edward L., Newark, and E. McK. Hunt, Montclair, N. J., and M. C. Burnum, Minneapolis, Minn., assignors to The Wilcolator Company, Newark, N. J. Humidifying apparatus. 1,889,017; Nov. 29.
Fontaine, John C., Shreveport, La. Trailer. 1,857,081; May 3.
Fontaine, Raymond A. (See Clark, R. R., and Fontaine.)
Fontaine, Robert A., Martinsville, Va. Brick handling truck. 1,849,424; Mar. 15.
Fontaine, Robert A., Martinsville, Va. Shiftable body truck. 1,866,640; July 12.
Fonty, Henri, Paris, France. Application of Diesel engines to the drive of locomotives. 1,861,690; June 7.
Food Machinery Corporation. (See Cutler, Frank W., assignor.)
Food Machinery Corporation. (See Jones, Lloyd E., assignor.)
Food Machinery Corporation. (See Lassen, H. C., and Dahl, assignors.)
Food Machinery Corporation. (See Lewis, Frank H., assignor.)
Food Machinery Corporation. (See Moe, Andrew O., assignor.)
Food Machinery Corporation. (See Roberts, F. B., and Huntington, assignors.)
Food Machinery Corporation. (See Sharma, Jagan N., assignor.)
Food Machinery Corporation. (See Slater, Henry B., assignor.)
Food Machinery Corporation. (See Stebler, Fred, assignor.)
Food Machinery Corporation. (See Stevens, Augustus R. and F. M., assignors.)
Food Machinery Corporation. (See Yost, Oliver P., assignor.)
Foot, Edward H. W., Beaconsfield, England. Continuous track for vehicles. 1,881,179; Oct. 4.
Foote-Burt Company. (See Colrick, Albert R., assignor.)
Foote-Burt Company, The. (See Schiltz, Bernard P., assignor.)
Foote Company, The. (See Blood, George E., assignor.)
Foote Company, The. (See De Vinney, Floyd W., assignor.)
Foote, Glen R., Cincinnati, Ohio. Holder for rolls of tobacco, such as cigarettes, cigars, and the like. 1,853,809; Mar. 29.
Foote, Kathryn Miller, Muskegon, Mich. Hair waver. 1,868,412; July 19.
Foote, Leonard. (See Claybourn, J. G., and Foote.)
Foote, Theodore. Pilger, Nebr. Adjustable tractor platform. 1,865,365; June 28.
Foote, Thomas W., Cleveland, Ohio. Armchair. Des. 86,709; Apr. 12.
Foote, Thomas W., Cleveland, Ohio. Armchair. Des. 86,710; Apr. 12.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. (Register. Re18,674; Nov. 29.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Adding and subtracting register. 1,839,211; Jan. 5.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Writing adding machine. 1,847,429; Mar. 1.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Master wheel positioning device. 1,847,712; Mar. 1.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Line space mechanism for typewriting machines. 1,861,210; May 31.
Foran Boiler Company. (See Mills, William A., assignor.)

Forberg, Charles, assignor to Helios Corporation, Chicago, Ill. Moving picture projecting machine. 1,849,664; Mar. 15.

Forbes, Arthur L., jr., and C. O. Byrne, El Paso, Tex. Separating plant. 1,875,716; Sept. 6.

Forbes, Duncan Davidson, Glen Mead, assignor to Lancaster Asphalt, Inc., New York, N. Y. Apparatus for making molded products. 1,868,139; July 19.

Forbes, Edward P., Dorchester, assignor of one-eighth to W. H. McKenney and one-eighth to A. R. McKenney, Taunton, Mass. Sheet metal lock. 1,866,156; July 5.

Forbes, Ferry M., Detroit, Mich. Brake. 1,875,717; Sept. 6.

Forbes, Henry C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, Signaling system. 1,867,571; Sept. 13.

Forbes, Howard W., and E. Mitchell, Swanton, Ohio. Adjustable spur plate for shoes. 1,859,649; Nov. 29.

Forbes, Hugh B., assignor to J. L. Wright, Inc., Chicago, Ill. Building set. 1,845,258; Feb. 16.

Forbes, James C., and A. W. Banton, assignors to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,882,134; Oct. 11.

Forbes, James C., and A. W. Banton, assignors to O. F. Jordan Company, East Chicago, Ind. Wing brace arrangement for railroad spreaders. 1,882,135; Oct. 11.

Forbes, Jerry U., Cincinnati, Ohio. Winding roll. 1,870,496; Sept. 6.

Forbes, John B., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Valve. 1,890,505; Dec. 13.

Forbes Lithograph Manufacturing Company. (See Cornell, Arthur W., assignor.)

Forbes Lithograph Manufacturing Company. (See Howard, Harold R., assignor.)

Forbes Lithograph Manufacturing Company. (See Larkin, James L., assignor.)

Forbes Lithograph Manufacturing Company, The. (See Riley, Raymond M., assignor.)

Forbes Lithograph Manufacturing Company. (See Ward, Ferrari P., assignor.)

Forbes, Nelson H., Detroit, Mich. Closure hinge. 1,872,077; Aug. 16.

Forbes, Thomas C., Hopkins, Minn., assignor to Max McGraw, Chicago, Ill. Bread toaster. 1,870,562; Aug. 9.

Forbes, Thomas C., assignor to Waters-Genter Company, Minneapolis, Minn. Toaster. 1,876,901; Sept. 13.

Forbes, Walter D., San Francisco, Calif. Paper trimmer. 1,876,902; Sept. 13.

Forbes, Walter D., San Francisco, Calif. Nursing bottle device. 1,884,643; Oct. 25.

Forbes, William A., New York, N. Y. High speed cigarette cutter. 1,889,403; Nov. 29.

Forbes, William G., New York, N. Y. High speed cigarette cutter. 1,859,949; Nov. 29.

Forbidussi, Ubaldo, Delcarbon, Colo. Fruit crusher. 1,858,147; May 10.

Force, Jonathan, Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent electric lamp. 1,889,598; Nov. 29.

Forchenbaum, Mary E. (See Duwellus, Walter S., assignor.)

Ford, Albert F., Calcutta, British India. Safety razor blade and razor. 1,872,721; Aug. 23.

Ford, Ben K., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Connecting plug. 1,841,968; Jan. 19.

Ford, Bruce, Philadelphia, Pa. Filling vent structure for storage batteries. 1,867,564; July 19.

Ford, Bruce, Philadelphia, Pa. Storage battery. 1,882,414; Oct. 11.

Ford, Bruce, Philadelphia, and W. H. Bancroft, Bryn Athyn, Pa. Storage battery. 1,857,591; May 10.

Ford, Burnette E., assignor to The Sterolene Company, Chicago, Ill. Egg treating machine. 1,883,669; Oct. 18.

Ford, Clinton E., Winsted, Conn. Luminous device for dial telephones. 1,866,157; July 5.

Ford, Edwin H., assignor to Ford Meter Box Company, Wabash, Ind. Meter mounting. 1,847,606; Mar. 1.

Ford, Eugene A., West Newton, Mass., and F. A. Story, assignors to The Tabulating Machine Company, Endicott, N. Y. Counter for tabulating machines. 1,880,426; Oct. 4.

Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Counting device. 1,880,427; Oct. 4.

Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Sorting machine for record cards. 1,880,428; Oct. 4.

Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Card counter. 1,882,796; Oct. 18.

Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Perforated card interpreter. 1,882,797; Oct. 18.

Ford, Floyd W., Toledo, Ohio. Gun mechanism. 1,855,547; Apr. 26.

Ford, Frank H., Hattiesburg, Miss. Preparing roof coverings. 1,880,429; Oct. 4.

Ford, Frederick A. San Fernando, Calif. Cigarette extinguisher. 1,846,252; Feb. 23.

Ford, George F. (See Brown, B. F., and Ford.)

Ford, George G., Terre Haute, Ind. Welding apparatus. 1,884,644; Oct. 25.

Ford, George G., Terre Haute, Ind. Welding apparatus. 1,884,645; Oct. 25.

Ford, George W. (See Ponting, H. G., and Ford.)

Ford, Hannibal C., Jamaica, assignor to Ford Instrument Co., inc., New York, N. Y. Director firing system. 1,840,497; Jan. 12.

Ford, Hannibal C., Jamaica, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Speed and distance indicator. 1,842,160; Jan. 19.

Ford, Hannibal C., Jamaica, and J. M. Ballou and V. W. Balzer, Forest Hills, N. Y., assignors to Merrill Aircraft Company, Dover, Del. Airplane. 1,856,093; May 3.

Ford, Hannibal C., Jamaica, and J. M. Ballou and V. W. Balzer, Forest Hills, N. Y., assignors to Merrill Aircraft Company, Dover, Del. Airplane. 1,856,094; May 3.

Ford, Hannibal C., Jamaica, and H. L. Tanner, Brooklyn, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Transmission system. 1,874,094; Aug. 30.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,850,060; Mar. 15.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,856,183; May 3.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Ignition system. 1,873,369; Aug. 23.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Machine for manufacturing brake drums. 1,873,568; Aug. 23.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Engine valve. 1,873,569; Aug. 23.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Lubrication. 1,875,718; Sept. 6.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Axle. 1,876,903; Sept. 13.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Hydraulic shock absorber. 1,883,716; Nov. 22.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Starting gear. 1,888,717; Nov. 22.

Ford Instrument Co. (See Ford, Hannibal C., assignor.)

Ford Instrument Company. (See Ford, H. C., and Tanner, assignors.)

Ford Instrument Company. (See Marsh, Harry S., assignor.)

Ford Instrument Company. (See Tanner, Harry L., assignor.)

Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Securing means. 1,873,370; Aug. 23.

Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Slide buckle. 1,873,371; Aug. 23.

Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,873,372; Aug. 23.

Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,873,373; Aug. 23.

Ford, Irving A. (See Von Blix, Carlos A., assignor.)

Ford, James G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating oil. 1,856,700; May 3.

Ford, James G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refining oils. 1,871,681; Aug. 16.

Ford, James G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refining paraffin and naphthene base oils. 1,871,682; Aug. 16.

Ford, Jay T. (See Randolph, D. W., and Ford.)

Ford, John H., Washington, D. C. Roof for vehicles. 1,883,739; Oct. 18.

Ford, Leroy S., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical cable. 1,860,498; May 31.

Ford, Lyman H. (See Lafayette, H. E., Waite, and Ford.)

Ford, Malcolm J., assignor to Alma Manufacturing Company, Baltimore, Md. Fastener. 1,885,816; Nov. 1.

Ford Meter Box Company. (See Ford, Edwin H., assignor.)

Ford Motor Company. (See Blair, Harold J., assignor.)

Ford Motor Company. (See Farkas, Eugene J., assignor.)

Ford Motor Company. (See Ford, Henry, assignor.)

Ford Motor Company. (See Galamb, Joseph, assignor.)

Ford Motor Company. (See Hanson, John M., assignor.)

Ford Motor Company. (See Hicks, Harold C., assignor.)

Ford Motor Company. (See Hicks, H. A., and Van Alstyne, assignors.)

Ford Motor Company. (See Johnson, Frank, assignor.)

Ford Motor Company. (See Johnson, F., and Schubert, assignors.)

Ford Motor Company. (See Lefevre, Emil B. G., assignor.)

Ford Motor Company. (See Lefevre, E. B. G., and Fletcher, assignors.)

Ford Motor Company. (See McCarroll, R. H., and Vennerholm, assignors.)

Ford Motor Company. (See McKinney, D. A., and McLean, assignors.)

Ford Motor Company. (See Ploch, William F., assignor.)

Ford Motor Company. (See Reed, R. A., and Hicks, assignors.)

Ford Motor Company. (See Riemenschneider, Ernest, assignor.)

Ford Motor Company. (See Roeder, Dale, assignor.)

Ford Motor Company. (See Russell, Harry L., assignor.)

Ford Motor Company. (See Sheldrick, Lawrence S., assignor.)
Ford Motor Company. (See Simpson, Howard W., assignor.)
Ford Motor Company. (See Stout, William B., assignor.)
Ford Motor Company. (See Wellman, Charles E., assignor.)
Ford Motor Company. (See Wharam, John J., assignor.)
Ford, Paul H., and N. Young, assignors to The Gruhler Corporation, Louisville, Ky. Method of and die mandrel for shaping curved tubes. 1,881,121; Oct. 4.
Ford, Richard J., Lawrence, Mass. Inkwell bottle. Des. 87,108; June 7.
Ford, Robert J., assignor to National India Rubber Company, Bristol, R. I. Manufacturing bias fabric. 1,870,843; Aug. 9.
Ford, Robert J., assignor to National India Rubber Company, Bristol, R. I. Manufacturing footwear. 1,871,913; Aug. 9.
Ford, T. B., Limited. (See Vivian, George S., assignor.)
Ford, William C., Andover, Mass. Fountain pen. 1,881,447; Oct. 11.
Ford, William H., assignor to Liquid Veneer Corporation, Buffalo, N. Y. Insulations for third rails. 1,888,552; Nov. 22.
Forde, Thomas H., and N. W. Mellars, assignors to Formell Corporation, Ltd., San Francisco, Calif. Combination vibrator and mixer unit. 1,863,977; June 21.
Forde, Thomas H., and N. W. Mellars, assignors to Formell Corporation, Ltd., San Francisco, Calif. X-ray tube. 1,876,049; Sept. 6.
Forde, Thomas H., and N. W. Mellars, assignors to Formell Corporation, Ltd., San Francisco, Calif. X-Ray method and means. 1,881,448; Oct. 11.
Fordyce, Rufus G., Chicago, and H. F. Talbot, Peru, assignors to Radiium Dial Company, Ottawa, Ill. Machine for printing luminous dials. 1,878,482; Sept. 20.
Foreman, Charles N., Chambersburg, Pa. Refrigerator. 1,881,668; Oct. 11.
Foreman, Edwin H., New York, N. Y. Swim suit. 1,889,855; Dec. 6.
Foreman, William B., Elizabeth City, N. C. Knockdown hogshead. 1,883,670; Oct. 18.
Foreman, William B., Elizabeth City, N. C. Knock-down hogshead. 1,887,406; Nov. 8.
Foren, Fred A., assignor to Globe Steel Tubes Co., Milwaukee, Wis. Rolling seamless tubing. 1,858,990; May 17.
Foresman, Harry B., Enid, Okla., assignor to Lock Joint Window Company, Kansas City, Mo. Weatherstrip for sliding closures. 1,864,994; June 28.
Forman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ash disposal apparatus. 1,843,273; Feb. 2.
Forman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,843,274; Feb. 2.
Forman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Powdered fuel furnace. 1,860,239; May 24.
Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ash disposal apparatus. 1,861,081; May 31.
Forest, Joseph F. E., Joliette, Quebec, and A. F. Joanisse, Hawkesbury, Ontario, Canada. Rail joint. 1,869,138; July 26.
Forestek Plating & Mfg. Company, The. (See Coddington, Edmund L., assignor.)
Foretich, Clarence L., Warren, Ark. Display stand. Des. 85,980; Jan. 12.
Forges & Usines de Constructions Electriques de Jeumont, Societe Anonyme. (See Heidmann, Leon, assignor.)
Forgrove Machinery Company, The. (See Grover, Frederick, assignor.)
Forgrove Machinery Company Limited, The. (See Grover, Frederick, assignor.)
Fork, William C. (See Norton, R. H., and Fork.)
Fork, William C., Homewood, assignor to Acme Steel Company, Chicago, Ill. Winding reel for metal strips. 1,859,294; May 24.
Forkardt, Paul, Dusseldorf, Germany. Chuck. 1,864,423; June 21.
Forker, James B., jr., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Twin trend rail. 1,853,342; Apr. 12.
Forman, Henri et Maurice. (See Waseige, Charles R., assignor.)
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door control system. 1,849,516; Mar. 15.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Motive device and lock therefor. 1,852,455; Apr. 5.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Fluid pressure operated doorlock. 1,874,482; Aug. 30.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door operating mechanism. 1,874,483; Aug. 30.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Automatic return toggle switch. 1,885,246; Nov. 1.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Switch. 1,885,904; Nov. 1.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Switch and operating mechanism. 1,887,623; Nov. 15.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Sensitive door edge switch. 1,890,809; Dec. 13.
Formell Corporation. (See Forde, T. H., and Mellars, assignors.)
Formit Company, The. (See Kunstadter, Samuel, assignor.)
Formica Insulation Company, The. (See Cochrane, John D., jr., assignor.)
Formica Insulation Company, The. (See Lytle, Robert W., assignor.)
Fornaire, Raphaël, Murols, France. Self-propelling vehicle. 1,880,127; Sept. 27.
Fornelius, Harvey, assignor to The Athenia Steel Company, Athenia, Clifton, N. J. Roll adjusting means for rolling mills. 1,841,175; Jan. 12.
Forney, Christopher C., Downs, Kans. Egg transferring and sorting trap nest. 1,881,232; Oct. 4.
Forney Combustion Engineering Company. (See Forney, Ross H., assignor.)
Forney, John J., Springdale, Wash. Liquid level gauge. 1,867,216; July 12.
Forney, Ross H., Dallas, Tex. Lathe center. 1,878,690; Sept. 20.
Forney, Ross H., assignor to Forney Combustion Engineering Company, Dallas, Tex. Oil and gas burner mounting. 1,844,219; Feb. 9.
Forney, Ross H., assignor to Forney Combustion Engineering Company, Dallas, Tex. Fuel burner device. 1,887,150; Nov. 8.
Forney, Ross H., assignor to Forney Combustion Engineering Company, Dallas, Tex. Combination gas and oil burner. 1,887,487; Nov. 15.
Forney, Scott G., and M. O. Boring, Fort Worth, assignors to Gulf Production Company, Houston, Tex. Well tubing plug. 1,852,512; Apr. 5.
Forrer, Max, Paris, France, assignor, by mesne assignments, to American Anode Inc. Production of deposits from aqueous dispersions of rubber and rubber-like substances. 1,878,454; Sept. 20.
Forrest, Elbert B., Gary, Ind., assignor to Line Material Company, South Milwaukee, Wis. Anchor device. 1,864,900; June 28.
Forrest, James, Milwaukee, and A. C. Brenchley, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine. 1,873,958; Aug. 30.
Forrest, Laurence Raymond, East Orange, N. J., and E. B. Conklin, Syracuse, assignor to The Barrett Company, New York, N. Y. Distillation of tar and apparatus therefor. 1,868,470; July 19.
Forrest, Neil, Lakewood, Ohio. Heat insulating containers. 1,877,590; Sept. 13.
Forrest, Thomas W. W., Fresno, and T. O. L. Smith, Oakland, Calif., assignors to Sun-Maid Raisin Growers of California, Fresno, Calif. Method of and apparatus for removing pits from prunes. Re18,675; Nov. 29.
Forrester, Edward E. (See Anderson, O. W., and Forrester.)
Forrey, George C., jr. (See Bugbee, Lucian W., jr., assignor.)
Forrow, Elwin W., assignor to Byron Jackson Co., Los Angeles, Calif. Drilling bit. 1,870,563; Aug. 9.
Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Pulsator for milking machines. 1,849,665; Mar. 15.
Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Protectively supporting rapidly rotated shafts. 1,876,056; Sept. 13.
Forsberg, Frederick, Dauphin, Manitoba, Canada. Sleeve cleaner. 1,862,818; June 14.
Forse, Edwin B., and C. F. Geiger, Metuchen, N. J. Refractory containing silicon carbide and making the same. 1,849,289; Mar. 15.
Forse, Edwin B., and C. F. Geiger, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Tunnel kiln. 1,858,008; May 10.
Forse, Edwin B., and C. F. Geiger, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Tunnel kiln. 1,861,266; May 31.
Forse, Harry D., Anderson, Ind. Drying and pressing machine. 1,839,472; Jan. 5.
Forse, Harry D., Anderson, Ind. Automatically illuminated pressing machine. 1,845,141; Feb. 16.
Forse, Harry D., Anderson, Ind. Venetian blind. 1,855,346; Apr. 26.
Forse, Harry D., Anderson, Ind. Pressing member. 1,867,620; July 19.
Forse, Harry D., Anderson, Ind. Pressing machine. 1,886,799; Nov. 8.
Forse, Harry D., Anderson, Ind. Method of and apparatus for pressing. 1,888,163; Nov. 15.
Forse, William T., and F. A. Mitchell, London, England, assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound reproducing apparatus. 1,887,629; Nov. 15.
Forsell, Frans E., Cranston, R. I., assignor to Freeman-Daughaday Company. Clasp. 1,874,484; Aug. 30.

Forshee, Ernest L., Akron, Mich. Chicken feeder. 1,875,230 ; Aug. 30.

Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Temperature indicator. 1,873,374 ; Aug. 23.

Forshey, Elmore A. (See Tillyer, E. D., Forshey, and Nott.)

Forson, Alfred E., sr., assignor of 49 per cent to C. L. Richards, Reno, Nev. Floor sander. 1,860,775 ; May 31.

Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Switch device. 1,864,532 ; June 28.

Forssblad, Nils R., Vasteras, assignor to Aktiebolaget Ljungstroms Angturbin, Lidingo-Brevik, Sweden. Regenerative heating device. 1,864,724 ; June 28.

Forster, Alois W., Brooklyn, N. Y. Device for use in introducing a fluid into a conduit for flowing materials. 1,848,123 ; Mar. 8.

Forster, Bernhard, Pforzheim, Germany. Machine for the production of split rings. 1,856,953 ; May 3.

Forster, Bernhard, Pforzheim, Germany. Device for the automatic single feeding of ring shaped blanks to working points. 1,879,156 ; Sept. 27.

Forster, Bernhard, Pforzheim, Germany. Device for the production and insertion of the wire spirals into the ring sleeves of snap rings. 1,887,885 ; Nov. 15.

Forster, Franz A., Lobau, Germany. Quarter-tone keyboard musical instrument. 1,851,168 ; Mar. 29.

Forster, Joseph A. (See Kittredge, E. E., Forster, and Johansen.)

Forster, Thomas E., Wichita, Kans. Mixing machine. 1,855,548 ; Apr. 26.

Forstner Chain Corporation. (See Forstner, William, assignor.)

Forstner Chain Corporation. (See Schoeninger, Adolf, assignor.)

Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Flexible metallic strap. Des. 87,462 ; Aug. 2.

Forsyth, Benjamin F., assignor of one-third to E. E. Gordon and one-third to E. J. Forsyth, Chicago, Ill. Cabinet. 1,883,776 ; Oct. 18.

Forsyth, Edmund J., et al. (See Forsyth, Benjamin F., assignor.)

Forsyth, Harry, Prosser, Wash. File guide. 1,874,950 ; Aug. 30.

Forsyth, James D., Tonawanda, N. Y. Spark plug. 1,888,852 ; Nov. 22.

Forsyth, Jesse E., Bartlesville, Okla. Operating valves. 1,881,449 ; Oct. 11.

Forsythe, John W., Wilkinsburg, Pa. Rail turning machine. 1,859,411 ; Mar. 22.

Forsythe, John W., Wilkinsburg, Pa. Skimmer. 1,853,518 ; Apr. 12.

Forsythe Metal Goods Company, Inc. (See Blake, George E. assignor.)

Fort, Alfred M. (See Mobley, R. H., Fort, and Haddaway.)

Fort Howard Paper Company. (See Shaffer, G. A., and Wyse, assignors.)

Fort, Louis, Jersey City, N. J. Insulator bracket and support. 1,883,671 ; Oct. 18.

Fort, Lynn, Atlanta, Ga. Nursing bottle. 1,859,733 ; May 24.

Fort Orange Paper Company. (See Metzger, Henry L., assignor.)

Fort Pitt Bedding Company. (See Wolf, Harry E., assignor.)

Fort Wayne Engineering and Manufacturing Company. (See Hannehill, Vernon L., assignor.)

Fort Worth National Bank of Fort Worth, Tex. (See Greene, Alonzo H., assignor.)

Forté, Henry F., Newton, assignor to Lever Brothers Company, Cambridge, Mass. Soap cutting machine. 1,862,360 ; June 7.

Forte, Mary, New York, N. Y. Souvenir toy or similar article. Des. 87,832 ; Sept. 27.

Fortener, Anthony B., Dayton, Ohio. Airplane propeller. 1,854,611 ; Apr. 19.

Fortescue, Charles G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator structure. 1,873,750 ; Aug. 23.

Forthaller, Frank, et al. (See Neubauer, Ferdinand, assignor.)

Fortier-Beaulieu, Paul. (See Constantin, Louis, assignor.)

Fortney, Braudduss B., Louisville, Ky., assignor to American Safety Headlight Corporation. Headlight. 1,883,359 ; Oct. 18.

Fortney, Braudduss B., Louisville, Ky., assignor to American Safety Headlight Corporation. Headlight. 1,883,360 ; Oct. 18.

Fortney, Braudduss B., Louisville, Ky., assignor to American Safety Headlight Corporation. Headlight. 1,883,361 ; Oct. 18.

Fortune, James C., New York, N. Y. Formation testing. 1,853,557 ; Apr. 12.

Fortune, James C., Monterey, Calif. Hydraulic feed for rotary drilling. 1,879,929 ; Sept. 27.

Forward, Worthy J. F., assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,873,376 ; Aug. 23.

Forward, Worthy J. F., and R. R. Roberts, assignors to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,873,375 ; Aug. 23.

Fosberry, William A., Gloucester, Mass. Process and apparatus for refrigeration. 1,851,305 ; Dec. 20.

Fosdick Machine Tool Company, The. (See Chace, Norman B., assignor.)

Foshee, Mason, Jacksonville, Fla. Collapsible shipping crate. 1,879,157 ; Sept. 27.

Foss, Christian C., Pulaski, Ga. Rotary valve for internal combustion engines. 1,854,643 ; Apr. 19.

Foss-De Loach Company. (See De Loach, Douglas D., assignor.)

Foss, Ferdinand H. H. (See Seaholm, R. V., and Foss.)

Foss, Leland L., Statesboro, assignor of part interests to Edward T. Skeffington, Bert H. DeLoach, and Arthur H. Barrington, Savannah, Sam J. Foss, Statesboro, and Lee V. Graham, Chatham County, Ga. Worm water motor. 1,891,306 ; Dec. 20.

Foss, Per, Velsen-Noord, Netherlands. Apparatus for debarking timber. 1,889,046 ; Nov. 29.

Foss, Sam J., et al. (See Foss, Leland L., assignor.)

Fossati, Giuseppe, Monza, assignor to Fabbrica Italiana Magneti Marelli Societa Anonima, Milan, Italy. Ignition magneto. 1,844,218 ; Feb. 9.

Fossati, Giuseppe, Monza, Italy, assignor to Fabbrica Italiana Magneti Marelli Societa Anonima. Ignition magneto. 1,857,718 ; May 10.

Fossati, Giuseppe, Monza, assignor to Fabbrica Italiana Magneti Marelli Societa Anonima, Milan, Italy. Ignition magneto. 1,887,454 ; Nov. 8.

Foster, Alexander, jr., Philadelphia, Pa., and C. F. Ball, assignors to Chain Belt Company, Milwaukee, Wis. Discharge and distributing mechanism for concrete mixers. 1,890,982 ; Dec. 13.

Foster, Alfred E., Wilkes-Barre, Pa. Lipstick case. 1,879,846 ; Sept. 27.

Foster, Arthur T., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of turn shoes. 1,891,260 ; Dec. 20.

Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)

Foster, Claud H., Wickliffe, Ohio. Shock absorber. 1,849,709 ; Mar. 15.

Foster, E. B., et al. (See Burpee, John H., assignor.)

Foster, Edith D. (See Proctor, B. A., Foster, and Bundick.)

Foster, Eugene B., et al. (See Burpee, John H., assignor.)

Foster, Fred L., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Radiator. 1,845,595 ; Feb. 16.

Foster, George W., assignor to Chrysler Corporation, Detroit, Mich. Work feeding apparatus. 1,872,436 ; Aug. 16.

Foster, Hallet J., Woodmere, assignor to Velveray Corporation of America, New York, N. Y. Ornamented fabric and making the same. 1,861,004 ; May 31.

Foster, Harold B., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of trinitrostilbene guanidines. 1,878,494 ; Sept. 20.

Foster, Harry C., Kewanee, Ill. Rubber fishing float. 1,850,748 ; Mar. 22.

Foster, Harry C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,864,725 ; June 28.

Foster, Howard L. (See Holley, Clarence M., assignor.)

Foster, Howard L., Huntington Woods, Mich. Artificial refrigerating apparatus and cabinet therefor. 1,868,353 ; July 19.

Foster, Jack E., Alliance, Ohio, assignor of one-half to W. M. Cross, Kansas City, Mo. Aeroplane construction. 1,850,263 ; Mar. 22.

Foster, Jack E., assignor of one-half to W. M. Cross, Kansas City, Mo. Aeroplane construction. 1,883,672 ; Oct. 18.

Foster, John P., Paia, Hawaii. Treating sugar juices. 1,876,491 ; Sept. 6.

Foster, John R., assignor to The Correct Measure Company, Rochester, Pa. Dispensing device. 1,847,938 ; Mar. 1.

Foster, John R., assignor to Correct Measure Company, Rochester, Pa. Conduit connecter. 1,852,454 ; Apr. 5.

Foster, Joseph H., Georgetown, Tex. Subsurface irrigator. 1,856,379 ; May 3.

Foster, Julius E., Pittsburgh, Pa., assignor to Radio Corporation of America. Rectifying system. 1,850,957 ; Mar. 22.

Foster, Julius E., Pittsburgh, Pa., assignor to Radio Corporation of America. Thermionic device. 1,864,591 ; June 28.

Foster, Julius E., Pittsburgh, Pa., assignor to Radio Corporation of America. Thermionic system. 1,878,124 ; Sept. 20.

Foster & Kleiser Company. (See Herzog, Sidney G., assignor.)

Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Sound reproducing apparatus. 1,869,414 ; Aug. 2.

Foster, Lucian M., Troy, N. Y. Propeller wheel for aircraft. 1,848,705 ; Mar. 8.

Foster Machine Company. (See McKean, John O., assignor.)

Foster, Nathaniel L. (See Sipe, Harry E., assignor.)

Foster, Paul F., et al. (See Berg, Alfred J., assignor.)

Foster, Richard A. (See Colvin, Charles V. and R. A.)

Foster, Robert, Chicago, Ill., assignor to Metal Traffic Marker Corporation, New York, N. Y. Traffic and industrial marker. 1,861,425; May 31.

Foster, Robert, New York, N. Y., assignor to Metal Traffic Marker Corporation. Traffic marker. 1,878,691; Sept. 20.

Foster, Spottswood C. (See Brydges, W., and Foster.)

Foster, Theodore W., & Brother Co. (See Parkin, Winfred T., assignor.)

Foster, Theodore W., & Bro. Co. (See Savoie, Joseph Z., assignor.)

Foster, Thomas J., Ridgewood, N. J. Sound-proof building construction. 1,857,369; May 10.

Foster, Tony E., assignor to Herff-Jones Co., Indianapolis, Ind. Jewel mounting. 1,879,896; Sept. 27.

Foster, Walter L., assignor of one-fourth to R. R. Crum, Whittier, Calif. Automatic cathead. 1,860,709; May 31.

Foster, Walter L., Whittier, assignor to John W. MacClatchie, doing business as MacClatchie Manufacturing Company, Compton, Calif. Combination joint breaker and cathead. 1,867,621; July 19.

Foster, Warren D., Washington Township, Bergen County, N. J., assignor, by mesne asignments, to Kinatome Patents Corporation, New York, N. Y. Container for films and handling the same. 1,871,232; Aug. 9.

Foster, Warren D., Washington Township, Bergen County, N. J., and C. U. Bundick, White Plains, assignors, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Carrier for material and spindle therefor. 1,871,230; Aug. 9.

Foster, Warren D., Washington Township, Bergen County, N. J., and C. U. Bundick, White Plains, assignors, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Carrier for material and spindle therefor. 1,871,231; Aug. 9.

Foster Wheeler Corporation. (See Bell, John E., assignor.)

Foster Wheeler Corporation. (See Blizard, John, assignor.)

Foster Wheeler Corporation. (See Braine, D. L., and Irish, assignors.)

Foster Wheeler Corporation. (See Connelly, Lawrence E., assignor.)

Foster Wheeler Corporation. (See Dean, Dion K., assignor.)

Foster Wheeler Corporation. (See Dean, D. K., and Carboon, assignors.)

Foster Wheeler Corporation. (See Diescher, S. E., and Koelkebeck, assignors.)

Foster Wheeler Corporation. (See Hardie, William H., assignor.)

Foster Wheeler Corporation. (See Irish, David J., assignor.)

Foster Wheeler Corporation. (See Keenan, Walter F., jr., assignor.)

Foster Wheeler Corporation. (See Keenan, W. F., jr., and Eddy, assignors.)

Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring cushion construction. 1,872,922; Aug. 23.

Foster, William E., New Bedford, Mass. Mixing valve. 1,843,326; Feb. 2.

Foster, William H. (See Akers, C. W., and Foster.)

Foster, William H., Elkhart, Ind. Slide mounting for lathes. 1,878,628; Sept. 20.

Foster, William H., Ypsilanti, assignor to Thermal Engineering Corporation, Detroit, Mich. Gas burner. 1,862,973; June 14.

Fostoria Glass Company. (See Creighton, John M., assignor.)

Fostoria, Inc. (See Hawe, William F. M., assignor.)

Fotakis, John, Detroit, Mich. Combination rear view mirror set for automobiles. 1,864,015; June 21.

Fotel, George, Waterville, Me. Cow-tail holder. 1,867,552; July 19.

Foth, Charles J., Carlstadt, and H. Foth, Rutherford, N. J. Unbreakable and sanitary seamless receptacle. 1,875,231; Aug. 30.

Foth, Henry. (See Foth, Charles J. and H.)

Foth, William F. (See Dell, F. C., and Foth.)

Foth, William F. (See Dell, F. C. Grosseclose, and Foth.)

Foti, Charles, assignor of one-tenth to N. Colayco, one-tenth to P. Zurenda, one-tenth to A. Saulli, one-tenth to A. Tani, one-tenth to A. Perotti, one-tenth to F. E. Elston, one-tenth to G. Speranza, one-tenth to L. Marsillo, and one-tenth to J. Sinegal, Arnold, Pa. Mail box. 1,842,597; Jan. 26.

Foti, Charles, assignor of one-eleventh each to A. Saulle, M. Guidice, P. Scarso, G. Gatto, A. Castorina, Arnold, P. Nicolazzo, S. Runco, M. Nicolazzo, New Kensington, Pa., A. Cimino, and G. Fratongell. License and card holder. 1,859,104; May 17.

Foti, Charles, assignor of one-seventh to A. Saulle, one-seventh to M. Guidice, Arnold, one-seventh to S. Tamburo, one-seventh to F. Mangone, New Kensington, one-seventh to Dominck Verteramo, and one-seventh to Ferdinando Gatto, Arnold, Pa. Pen holding device for inkwells. 1,886,002; Nov. 1.

Föttinger, Hermann, Berlin-Wilmersdorf, Germany. Power transmitting system. 1,848,615; Mar. 8.

Föttinger, Hermann, Berlin-Wilmersdorf, Germany. Coupling or braking. 1,848,616; Mar. 8.

Fotza, Peter, Chicago, Ill. Fountain comb. 1,891,471; Dec. 20.

Foucault, Edouard, Paris, France, assignor to General Electric Company. Time delay device. 1,858,082; May 10.

Foucault, Jacques, Myslowice, Poland. Coupling for pipes with threaded ends. 1,863,978; June 21.

Foulder, James R., Schenectady, N. Y. Tank for locomotive tenders. 1,853,897; Apr. 12.

Foulds, Charles N., Berkeley, assignor to The Felton Water Wheel Company, San Francisco, Calif. Automatic hydraulic controller. 1,861,847; June 7.

Foulds, Charles N., Berkeley, assignor to The Felton Water Wheel Company, San Francisco, Calif. Hydraulic valve system. 1,861,848; June 7.

Foulds, Charles N., Berkeley, assignor to The Felton Water Wheel Company, San Francisco, Calif. Surge pressure controlling means. 1,891,636; Dec. 20.

Foulk, Albert C., Dayton, Ohio. Safety buckle. 1,856,327; May 3.

Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device. 1,844,353; Feb. 9.

Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Glow discharge lamp. 1,879,158; Sept. 27.

Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device. 1,879,159; Sept. 27.

Foulks, Guy G. et al. (See Javins, Harry A., assignor.)

Foulon, Charles, Brussels, Belgium. Grenade and lance-grenade. 1,874,951; Aug. 30.

Foundation Oven Corporation. (See Schrader, L. F., and Wright, assignors.)

Foundry Materials, Inc. (See Inkley, Edwin A., assignor.)

Fountain Advertising Service Company. (See Blaich, John F., assignor.)

Fountain, Howard J., assignor of one-half to The Clarkson Thimble Tube Boiler Company Limited, London, England. Water tube boiler. 1,842,065; Jan. 26.

Fountain, John N., Westfield, Mass. Decorating machine. 1,879,608; Sept. 27. (See Bemis, Ken E., assignor.)

Fountain Products Corporation. (See Bemis, Ken E., assignor.)

Fountaine, Philiza, Dahlen, assignor of one-half to Ingman Swinland, Lakota, N. Dak. Jail can. 1,873,835; Aug. 23.

Fouquet, William F., assignor to Projection Optics Co., Rochester, N. Y. Adjustable mount for projecting lenses. 1,885,673; Nov. 1.

Fourchy, Richard, Washington, D. C. Locking device. 1,865,366; June 28.

Fourness Development Corporation Ltd. (See Fourness, Wilfred, assignor.)

Fourness Development Corporation Ltd. (See Fourness, W., and Burghard, assignors.)

Fourness, Wilfred, Pasadena, Calif., assignor, by mesne assignments, to Fourness Development Corporation Ltd., New York, N. Y. Refrigerating system. 1,854,466; Apr. 19.

Fourness, Wilfred, Pasadena, Calif., assignor, by mesne assignments, to Fourness Development Corporation Ltd., New York, N. Y. Automatic check valve. 1,854,467; Apr. 19.

Fourness, Wilfred, Pasadena, Calif., assignor, by mesne assignments, to Fourness Development Corporation Ltd., New York, N. Y. Refrigerating cabinet. 1,854,468; Apr. 19.

Fourness, Wilfred, Oakland, and E. G. Burghard, Los Angeles, Calif., assignors to Fourness Development Corporation Ltd., New York, N. Y. Refrigerator vehicle and trailer. 1,883,206; Oct. 4.

Fournet, Sidney C., New Orleans, La. Tire carrier. 1,844,035; Feb. 9.

Fournier, Aimé B., assignor to Union d'Electricite, Paris, France. Instantaneous selective protective arrangement for direct current networks. 1,890,775; Dec. 13.

Fourway Lock Company, The. (See Main, Andrew, assignor.)

Fousek, Joseph, San Francisco, Calif. Sterilization and preservation of eggs. 1,852,606; Apr. 5.

Fowler, Fred A. (See De Markus, L., and Fouser.)

Fouts, Horace A., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Cracking oils. 1,872,722; Aug. 23.

Fow, Ambrose F., assignor to Kitson Company, Philadelphia, Pa. Brace or tie-in bar for gas meters. 1,887,999; Nov. 15.

Fowble, Archie, Dayton, Ohio. Hydraulic shock absorber for automobiles and the like. 1,874,485; Aug. 30.

Fowler, Alexander, and R. J. B. Robertson, assignors to Carrier Engineering Company Limited, London, England. Cleaning of articles. 1,869,845; Aug. 2.

Fowler, Alfred B., Beverley, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 1,850,098; Mar. 22.

Fowler, Alfred B., deceased; M. F. Fowler, Beverly, Mass., administratrix, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,870,844; Aug. 9.

Fowler, Arno W., Highland, Ill. Motor control mechanism for electric clocks. 1,839,473; Jan. 5.

Fowler, Del Roy F., Melrose Park, Pa. Padding rug. 1,869,090; May 24.

Fowler, Edgar K., Colorado Springs, Colo. Decorating walls and other surfaces. 1,867,068; July 12.
Fowler, Edith M., executrix. (See Fowler, Edward J.)
Fowler, Edward J., deceased; E. M. Fowler, Redwood City, Calif., executrix, assignor, by mesne assignments, to Nichols Engineering and Research Corporation, New York, N. Y. Furnace for dewatering and the like. 1,852,646; Apr. 5.
Fowler, Frank E., Athens, Ga. Mechanical stop for bottle capping machines. 1,852,924; Apr. 5.
Fowler, Frank E., Athens, Ga. Seal cleaning machine. 1,875,232; Aug. 30.
Fowler, Fred D., Newton, Mass., assignor, to The B. F. Goodrich Company, New York, N. Y. Shoe sole. Des. 85,763; Dec. 27.
Fowler, Fred D., Newton, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Expanding pulley. 1,860,210; May 31.
Fowler, Fred D., Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Press. 1,863,199; June 14.
Fowler, Gilbert J., Bangalore, India. Filter. 1,890,251; Dec. 6.
Fowler, James H. (See Epstein, D., Fowler, and Bouffier.)
Fowler, Joseph B., assignor to Cochrane Corporation, Philadelphia, Pa. Receiver separator. 1,869,371; Aug. 2.
Fowler, Joseph E., Worcester, Mass. Oil burner. 1,878,386; Sept. 20.
Fowler, Joseph E., Worcester, Mass. Oil burner. 1,886,667; Nov. 8.
Fowler, Mary F., administratrix. (See Fowler, Alfred B.)
Fowler, Theodore S., and L. T. Ward, assignors to Kane Manufacturing Company, Kane, Pa. Tilting bar operating device. 1,845,870; Feb. 16.
Fowler & Union Horsenail Company, The. (See Lange, G. W. and G. D., assignors.)
Fowzer, Frank B., Kilgore, Tex. Method and apparatus for extinguishing the flow of fluid in wells out of control. 1,879,160; Sept. 27.
Fox, Alida L. (See Lubs, H. A., and Fox.)
Fox, Arthur L. (See Lubs, H. A., Fox and Smith.)
Fox Automotive Products Corporation. (See Henke, Frederick W., Jr., assignor.)
Fox, C. F., et al. (See Santfieben, Joseph F., assignor.)
Fox Case Corporation. (See Sponable, Earl I., assignor.)
Fox Case Corporation. (See Whiting, Ronald F., assignor.)
Fox, Charles H., assignor to The Ahrens-Fox Fire Engine Company, Cincinnati, Ohio. Booster valve for pump mechanism. 1,850,073; Mar. 22.
Fox, Charles H., assignor to The Ahrens-Fox Fire Engine Company, Cincinnati, Ohio. Combined booster and fire pump. 1,850,074; Mar. 22.
Fox, Charles H., assignor to The Ahrens-Fox Fire Engine Company, Cincinnati, Ohio. Fire engine. 1,890,940; Dec. 13.
Fox, Claude C., Hoquiam, Wash. Safety hook. 1,839,838; Jan. 5.
Fox Company. (See Fox, Leonard J., assignor.)
Fox Company. (See Payne, William L., assignor.)
Fox, Cyril A., Oakmont, Pa. Quick-operating workholding device. 1,851,041; Mar. 29.
Fox, De Witt, New York, N. Y. Suspenders. Des. 87,254; June 28.
Fox, Edward W., and V. M. Dirkes, assignor to General Motors Corporation, Detroit, Mich. Body striping tool. 1,842,750; Jan. 26.
Fox Film Corporation. (See Balsley, James R., assignor.)
Fox Film Corporation. (See Flint, A., Zimmerman, and Lee, assignors.)
Fox, Frederick L., Washington, D. C. Impact indicating apparatus. 1,876,657; Sept. 13.
Fox Furnace Company, The. (See Moff, Herbert R., assignor.)
Fox, George B., Springfield, assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve. 1,844,246; Feb. 9.
Fox, Glenn, Salem, W. Va. Method of and apparatus for shooting wells. 1,875,583; Sept. 6.
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Stock indicator. 1,862,619; June 14.
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Weight control system. 1,891,226; Dec. 20.
Fox, Harry, Lowell, Mass. Upholstery edge. 1,863,269; June 14.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid cooled roll. 1,844,062; Feb. 9.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,861,627; June 7.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Car transfer apparatus. 1,861,659; June 7.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,890,322; Dec. 6.
Fox, John L., Sonoma, Calif. Fruit trimming and slicing apparatus. 1,890,676; Dec. 13.
Fox, John P., Gary, Ind. Sailboat. 1,885,247; Nov. 1.
Fox, Joseph M., Cleveland, Ohio. Friction coupling for driving nuts and the like. 1,876,658; Sept. 13.
Fox, Joseph P., St. Cloud, Minn. Sign. 1,845,967; Feb. 16.
Fox, Leonard J., assignor to Fox Company, Cincinnati, Ohio. Device for securing name plates and the like. 1,850,713; Mar. 22.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Roll-away bed. 1,839,839; Jan. 5.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Leaf adjustment for extension tables. 1,855,829; Apr. 26.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Extension table. 1,875,295; Aug. 30.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Leg brace for folding tables. 1,888,117; Nov. 15.
Fox, Maud C. (See Scott, I. G., and Fox.)
Fox, Merritt L., Cedar Rapids, Iowa. Humidifier. 1,861,340; May 31.
Fox, Merritt L., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,881,450; Oct. 11.
Fox, Nelson T. (See McAdams, Emerson and H., and Fox.)
Fox, Philip, Brooklyn, N. Y. Motor vehicle fender and running board. 1,863,475; June 14.
Fox, Ray M., Los Angeles, Calif., assignor, by direct and mesne assignments, to E. T. Monett, New York, N. Y. Coin control device. 1,874,486; Aug. 30.
Fox, Samuel, New York, N. Y. Combination garment. 1,887,926; Nov. 15.
Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Automatic dipping device. 1,876,050; Sept. 6.
Fox, William J., assignor to J. R. Kendrick Co., Inc., Philadelphia, Pa. Elastic strand. 1,864,845; June 21.
Fox, William J., assignor to J. R. Kendrick Co., Inc., Philadelphia, Pa. Elastic fabric. 1,887,027; Nov. 15.
Fox, William W. (See Frisell, E., and Fox.)
Foxboro Company, The. (See Bristol, Edgar H., assignor.)
Foxboro Company, The. (See Cook, Lyman, assignor.)
Foxboro Company, The. (See Mason, Clesson E., assignor.)
Foyer, Charles A., Cleveland Heights, Ohio. Lifting jack. 1,888,761; Nov. 22.
Fraber, Thomas J., Washington, D. C. Sheet metal form and sheet metal lath. 1,871,976; Aug. 16.
Fracker, Edward G., Grand Central City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resilient mounting for electrical devices. 1,874,271; Aug. 30.
Fractionator Company, The. (See D'Yarmett, Edward C., assignor.)
Fractionator Company, The. (See D'Yarmett, Edward C., assignor.)
Fradl, George, Detroit, Mich. Laundry tub tray. 1,854,987; Apr. 19.
Fraenkl, Sigmund, Vienna, Austria, assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Hormone and obtaining same. 1,890,373; Dec. 6.
Fraenkel, Walter, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Detinning aluminum. 1,840,708; Jan. 12.
Fragopulos, Aristides A. (See Winchester, J. J., and Fragopulos, assignors.)
Frahm, Arthur C. (See Frahm, Herman H. and A. C.)
Frahm, Herman H., and A. C., Elma, Iowa. Mud scraper for tractor wheels. 1,843,944; Mar. 8.
Fraine, Samuel A. (See Stricklen, J. R., and Fraine.)
Fraise, Christopher C., Eldorado Springs, Mo. Tractor cab. 1,864,813; June 28.
Fraizer, Frank L., assignor of one-half to J. R. Marshall, Troy, Ohio. Tractor hitch. 1,864,128; June 21.
Frambach, Mathew J., and C. P. Hills, Hartley, Iowa. Fruit mouth spreader. 1,879,161; Sept. 27.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,516; Dec. 6.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,517; Dec. 6.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,518; Dec. 6.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,519; Dec. 6.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,520; Dec. 6.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,640; Dec. 13.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,641; Dec. 13.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,704; Dec. 27.
Frambach, Ralph W., Maplewood, N. J. Textile fabric or the like. Des. 88,705; Dec. 27.
Frame, Augustus J. (See Donley, H. B., Frame, and Gilmore.)
Frame, Augustus J., Columbus, Ohio. Gas pilot for oil burners. 1,862,849; June 14.
Frame, Augustus J., assignor to Franklin Oil Heating Inc., Columbus, Ohio. Oil burning apparatus. 1,853,345; Apr. 12.
Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Oil burner construction. 1,869,242; July 26.
Frame, Augustus J., assignor to The Columbus Auto Brass Company, Columbus, Ohio. Motor vehicle radiator shield. 1,885,248; Nov. 1.

Frame, William M., Massillon, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Radiator. 1,847,176; Mar. 1.

Franhein, Herbert J. (See Stephenson, L. J., and Franhein.)

Framke, Arthur M., Chicago, Ill. Make-up applicator. 1,838,514; Nov. 22.

France, Ernest A., Bridgeport, and H. G. Knoderer, Fairfield, Conn., assignors to General Electric Company. Electric switch. 1,838,853; Nov. 22.

France, Ernest A., Bridgeport, and H. G. Knoderer, Fairfield, Conn., assignors to General Electric Company. Fuse block and fuse therefor. 1,838,854; Nov. 22.

France, Henry H. (See Coffey, J. M., France and Fiekney.)

France, J. H., Refractories Company. (See France, James H., assignor.)

France, James H., Philipsburg, assignor to J. H. France Refractories Company, Snow Shoe, Pa. Checker-brick and checkerwork construction. 1,883,674; Oct. 18.

Franchini, Alfred, and P. Girod, Cannes, France; said Franchini assignor to said Girod. Device for mounting and operating electrodes. 1,889,282; Nov. 29.

Francis, Arthur F., Waterbury, Conn. Preparing metals for electroplating. 1,878,837; Sept. 20.

Francis, Carleton S., Jr., Philadelphia, Pa. Telemeter. 1,843,419; Feb. 2.

Francis, Charles, Walnut Park, Calif. Pipe-bending machine. 1,849,181; Mar. 15.

Francis, Charles B., Pittsburgh, Pa. Pipette. 1,850,499; Mar. 22.

Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving means for rotary knives of paper. 1,853,267; Apr. 12.

Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Winder drive for paper machines. 1,868,285; July 19.

Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Barrel dumping device. 1,854,130; Apr. 12.

Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,876,659; Sept. 13.

Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,876,004; Sept. 13.

Francis, Harry G., Rushville, Ind. Glue spreader. 1,846,856; Feb. 23.

Francis, Jacob R. (See Heginbottom, W. G., and Francis.)

Francis, Jacob R. (See Manning, Clarence E., assignor.)

Francis, Jacob R. (See Redmond, Albert G., assignor.)

Francis, Jacob R., Flint, Mich. Carburetor. 1,842,865; Jan. 26.

Francis, John A., Grass Creek, Wyo. Rotary jar. 1,889,283; Nov. 29.

Francis, John H., assignor to Kilby Manufacturing Company, Cleveland, Ohio. Rotor construction for gas cleaners. 1,845,259; Feb. 16.

Francis, Louis, Miami, Fla. Salvage unit. 1,881,123; Oct. 4.

Francis, Oliver T., Quantico, Va. Radio. 1,863,568; June 21.

Francis, Oliver T., Quantico, Va. Electric control circuit. 1,877,165; Sept. 13.

Francis, Oliver T., Quantico, Va. Radio. 1,886,386; Nov. 8.

Francis, Robert L., Hendersonville, N. C. Hydraulic automobile steering mechanism. 1,885,194; Nov. 1.

Francisco, George H., Los Angeles, Calif. Buttoning loop for supporting or fastening garments. 1,850,346; Mar. 22.

Franck, Edwin G., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,856,245; May 3.

Franck, Edwin G., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,881,451; Oct. 11.

Franck, Karl, and K. Dietz, Hoechst-on-the-Main, assignors to L. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Acid proof material and preparing it. 1,881,180; Oct. 4.

Francke, Paul, New Brunswick, N. J. Baby carriage sled. 1,873,836; Aug. 23.

Franco, Cesare. (See Sansone, L., and Franco.)

Franco, John S., Milwaukee, Wis. Driving clutch for track laying tractors. 1,880,344; Oct. 4.

Francois Cementation Company, Limited, The. (See Degenhardt, W. R., De Frahe, and Bichnell.)

Francoise, Edward C., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Printing and waxing paper. 1,845,260; Feb. 16.

Franck, George, Akron, Ohio. Lid. 1,882,278; Oct. 11.

Frandsen, Lars, Los Angeles, Calif. Hollow brick and tile molding machine. 1,858,620; May 17.

Frank, Albert R., et al. (See Fischer, T., and Wendlandt, assignors.)

Frank, Armin, Ilberstedt, Germany. Hoe. 1,890,537; Dec. 13.

Frank Associates, Inc. (See Frank, Morris J., assignor.)

Frank, Charles, Brooklyn, N. Y. Apparatus for and method of sterilizing. 1,887,297; Nov. 8.

Frank, Earl L., and J. D. Kibbey, International Falls, Minn. Self-sharpening knife. 1,890,506; Dec. 13.

Frank, Edith S., New York, N. Y. Ash receiver. 1,856,990; May 3.

Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind., Wheel. 1,856,095; May 3.

Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind., Wheel. 1,858,663; May 17.

Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind., Brake drum. 1,868,740; July 26.

Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind., Brake. 1,871,314; Aug. 9.

Frank, Frederick J., Elizabeth, and F. J. Stock, Secaucus, N. J. Thieving tube. 1,857,537; May 10.

Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Metering panel. 1,872,723; Aug. 23.

Frank, Harrison J. L., assignor to Bull Dog Electric Products Company, Hamtramck, Mich. Panel board cabinet. 1,887,088; Nov. 8.

Frank, Harrison J. L., Highland Park, assignor to Bull Dog Electric Products Company, Hamtramck, Mich. Selective fuse plug shell. 1,887,089; Nov. 8.

Frank, Harrison J. L., Highland Park, assignor to Bull Dog Electric Products Company, Detroit, Mich. Connecting device. 1,887,090; Nov. 8.

Frank, Harry. (See Hunt, Alfred J., assignor.)

Frank, Herbert. (See Stein, R., and Frank.)

Frank, John I., assignor of one-half to Theodore W. Smith, Baltimore, Md. Magazine for automatic shotguns. 1,874,952; Aug. 30.

Frank, John J., Pittsfield, Mass., assignor to General Electric Company. Transformer winding. 1,852,805; Apr. 5.

Frank, Joseph R. Hollis, N. Y., assignor to The Tefra Co., Stamford, Conn. Toothbrush. 1,853,854; Apr. 12.

Frank, John M. (See Hunt, Alfred J., and Frank, assignors.)

Frank, John P., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,272; Aug. 30.

Frank, Karl. (See Dietz, K., and Frank.)

Frank, Karl, and K. Dietz, Frankfort-on-the-Main-Hoechst, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cement powder and mortar powder. 1,883,675; Oct. 18.

Frank, Laura F. (See Frank, Paul L., assignor.)

Frank, Leo C., McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for farm lighting plants. 1,859,555; Aug. 2.

Frank, Leo C., McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for farm lighting plants. 1,869,846; Aug. 2.

Frank, Leo C., McKeesport, and D. J. Conant, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Time-limit engine-choking valve. 1,872,268; Aug. 16.

Frank, Leon, assignor to Alma Manufacturing Company, Baltimore, Md. Lock fastener. 1,891,637; Dec. 20.

Frank, Manuel boy, Stapleton, N. Y. Paper clip. 1,866,458; July 5.

Frank Marriott, et al., directors. (See Smiley, Alfred M., assignor.)

Frank, Milton A. (See Schmidt, J. J., and Frank.)

Frank, Morris J., assignor to Frank Associates, Inc., New York, N. Y. Ornamental yarn and making the same. 1,888,033; Nov. 15.

Frank, Paul A. (See Swern, William E., assignor.)

Frank, Paul R. (See Joyce, R. A., and Frank.)

Frank, Peter, Wilkes-Barre, Pa., assignor to American Cable Company, Inc. Closing die for rope making machine. 1,887,837; Nov. 22.

Frank, Raymond H. (See Gregg, A. W., and Frank.)

Frank, Raymond H. (See Mitchell, H. A., Gregg, and Frank.)

Frank, Raymond J., Elma, Iowa. Loading machine. 1,854,649; Apr. 19.

Frank, Robert J., Pittsburgh, assignor to Copperweld Steel Company, Rankin, Pa. Ground rod clamp. 1,864,688; June 28.

Frank, Samuel, St. Paul, Minn. Antifrost shield. 1,890,252; Dec. 6.

Frank, William A., Hackensack, N. J., assignor to National Water Main Cleaning Co., New York, N. Y. Pipe cleaning machine. 1,866,566; July 12.

Frank, William H., assignor to Bull Dog Electric Products Company, Detroit, Mich. Switch block mounting. 1,846,714; Feb. 23.

Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Switching device. 1,861,267; May 31.

Frankart, Inc. (See Abel, Max, assignor.)

Frankart, Inc. (See Underberg, Henry, assignor.)

Franke, Robert. (See Bürgers, E. W., and Franke.)

Frankel, Benjamin, New York, N. Y. Cigar accessory. 1,892,429; Dec. 27.

Frankel, Edward T., New York, N. Y. Calculating device. 1,864,056; June 21.

Frankel, Howard, et al. (See Corcoran, Laurence M., assignor.)

Frankel, Isadore, assignor to Commercial Furniture Company, Chicago, Ill. Typewriter desk attachment. 1,868,934; Nov. 15.

Frankel, Milton M., Brookline, Mass. Permanent wave appliance. 1,848,706; Mar. 8.

Frankenburger, Walter. (See Mittasch, A., Frankenburger, and Winkler.)

Frankenburger, Walter, Ludwigshafen-on-the-Rhine, and R. Robi, Mannheim, and W. Zimmermann, Friedrichsfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Measuring the intensity of ultraviolet rays. 1,845,835; Feb. 16.

Frankford, Frank P., Ridgefield Park, N. J. Air brake and vehicle control. 1,847,388; Mar. 1.

Frankforter, Clarence J., Lincoln, assignor to Frankforter Oil Process, Inc., Omaha, Nebr. Treating hydrocarbons. Re18,318; Jan. 5.

Frankforter Oil Process, Inc. (See Frankforter, Clarence J., assignor.)

Frankhauser, Aitken R., Brooklyn, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,854,234; May 3.

Frankignoul, Edgard, Brussels, Belgium. Sinking molding tubes for concrete piles molded in the ground. 1,872,635; Aug. 16.

Frankignoul, Edgard, Brussels, assignor to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium. Method and device for the production of piles of concrete and the like. 1,858,204; May 10.

Frankignoul, Edgard, Brussels, assignor to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium. Method and device for the production of piles of concrete and the like. 1,887,630; Nov. 15.

Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Separation of gas-mixtures especially of air. 1,890,646; Dec. 13.

Frankland, Edwin, Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Fluid pressure brake for motor vehicles. 1,842,259; Jan. 19.

Frankland, Edwin, Pontiac, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake for motor vehicles. 1,875,434; Sept. 6.

Franklin, Albert W., New York, N. Y. Night lamp and switch therefor. 1,856,755; May 3.

Franklin, Albert W., New York, N. Y. Toy or amusement device. 1,856,991; May 3.

Franklin Baker Company. (See MacDougall, Hugh C., assignor.)

Franklin, Charles R., Dover, and E. Goldsworthy, Wharton, N. J. Packing case. 1,870,676; Aug. 9.

Franklin, Charles S., London, England, assignor to Radio Corporation of America. Screened thermionic tube. 1,867,311; July 12.

Franklin, Charles S., Buckhurst Hill, England, assignor to Radio Corporation of America. Aerial for use in wireless signaling. 1,869,192; July 26.

Franklin Development Company. (See Oberhuber, William F., assignor.)

Franklin Development Corporation. (See Dietrich, Raymond H., assignor.)

Franklin Development Corporation. (See Doman, Carl, assignor.)

Franklin Development Corporation. (See Hastings, R. W., and Hastings, assignors.)

Franklin Development Corporation. (See Marks, Edward S., assignor.)

Franklin Development Corporation. (See Murphy, R., and Marks, assignors.)

Franklin, Edward J., Salt Lake City, Utah. Combination ash gate and air inlet system for furnaces. 1,874,487; Aug. 30.

Franklin, Edward J., Salt Lake City, Utah. Burner for pulverized fuel. 1,874,488; Aug. 30.

Franklin Equipment Co. (See Langer, Rudolph J., assignor.)

Franklin, Floyd P., Akron, Ohio. Cultivator. 1,855,951; Apr. 26.

Franklin, Frederick M., New York, N. Y. Doorchecking device. 1,872,561; Aug. 16.

Franklin, George E., Kansas City, Mo. Engine. 1,867,504; July 12.

Franklin, H. H., Manufacturing Company. (See Doman, Carl T., assignor.)

Franklin, H. H., Manufacturing Company. (See Emond, William H., assignor.)

Franklin, H. H., Manufacturing Company. (See Marks, Edward S., assignor.)

Franklin, John W., Atlanta, Ga. Announcing device. 1,862,475; June 7.

Franklin, Laurence W., Delawanna, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic stop for telegraph transmitters. 1,851,452; Oct. 11.

Franklin, Laurence W., Delawanna, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph printer exchange system. 1,851,453; Oct. 11.

Franklin Needle Company. (See Hancock, George L., assignor.)

Franklin Oil Heating, Incorporated. (See Donley, H. B., Frame, and Gilmore, assignors.)

Franklin Oil Heating, Inc. (See Frame, Augustus J., assignor.)

Franklin Process Company. (See Traver, William A., assignor.)

Franklin Railway Supply Company. (See Rosenfelt, Samuel D., assignor.)

Franklin Railway Supply Company. (See Schellens, Eugene L., assignor.)

Franklin Railway Supply Company. (See Titus, Hubert J., assignor.)

Franklin Railway Supply Company. (See Titus, H. J., and Wallis assignors.)

Franklin Railway Supply Company. (See Vincent, Harry S., assignor.)

Franklin Railway Supply Company. (See Zouck, George H., assignor.)

Franklin, Reginald G., Billingham, Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Production of methanol and other oxygenated organic compounds and preparation of catalysts therefor. 1,879,390; Sept. 20.

Franklin, Robert B., Mount Vernon, Wash. Cotter pin. 1,864,424; June 21.

Franklin Simon & Company. (See Long, Dorothy, assignor.)

Franklin Williams, Inc. (See Franze, E. T., and Weiss, assignors.)

Franks, Clem H., Lagrange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone receiver. 1,841,469; Jan. 19.

Franks, Harry H., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Wrist pin. 1,853,727; Apr. 12.

Franks, Harry H., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Jack post clamp. 1,854,572; Apr. 19.

Franquist, Gustave E., deceased, by M. L. Franquist, executrix, Rochester, N. Y., assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,872,724; Aug. 23.

Franquist, Margaret L., executrix. (See Franquist, Gustave E.)

Frantz, Charles T., assignor to Recording Thermometer Company, Los Angeles, Calif. Container. 1,849,666; Mar. 15.

Frantz, Cruthers I., Los Angeles, assignor of one-half to P. A. Frantz, San Francisco, Calif. Brake. 1,891,805; Dec. 20.

Frantz, Clair E., assignor, by mesne assignments, to Erb-Joyce Foundry Company, Detroit, Mich. Molding machine. 1,865,244; June 28.

Frantz, Clair E., assignor, by mesne assignments, to Erb-Joyce Foundry Company, Detroit, Mich. Mold-separating device. 1,880,901; Oct. 4.

Frantz, Grover C., assignor to Dauphin Deposit Trust Company, Harrisburg, Pa. Valve. 1,888,223; Nov. 22.

Frantz Manufacturing Co. (See Ferris, William D., assignor.)

Frantz, Paul A. (See Frantz, Cruthers I., assignors.)

Frantz, Peter, Sterling, Ill. Heating furnace. 1,873,570; Aug. 23.

Frantz, Virgil L., assignor to Graham-White Sander Corporation, Roanoke, Va. Locomotive sanding mechanism. 1,877,837; Sept. 20.

Frantz, Virgil L., Roanoke, Va., and G. H. Knauff, West St. Paul, Minn., assignors to Graham-White Sander Corporation, Roanoke, Va. Locomotive sanding trap. 1,860,057; June 24.

Frantz, Walter A., Shaker Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironer feed board. 1,841,243; Jan. 12.

Frantz, Walter A., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Gearing. 1,869,056; July 26.

Franz, Charles H., Jr., Wauwatosa, Wis. Loose-leaf binder. 1,877,831; Sept. 20.

Franz, Ferdinand, Yonkers, assignor to H. & D. Folsom Arms Co., New York, N. Y. Pistol holster. 1,842,936; Jan. 26.

Franz, Ferdinand, Yonkers, assignor to H & D Folsom Arms Co., New York, N. Y. Cartridge holder. 1,845,705; Feb. 16.

Franz, Michael. (See Matzner, H., and Franz.)

Franzen, Eric T., Maplewood Township, Essex County, and A. J. Weiss, West Orange, assignors to Franklin Williams, Inc., Orange, N. J. Reeling device for motion picture films. 1,874,953; Aug. 30.

Franzen, Hans, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Distillation. 1,871,051; Aug. 9.

Franzen, Hans, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of organic acids. 1,864,058; June 21.

Franzen, John L., Oregon City, Oreg. Supporting device for tinfalajune. 1,875,435; Sept. 6.

Franzen, Lillian G., Akron, Pa. Windshield heater. 1,848,337; Mar. 8.

Franzen, Tore. (See Hadley, N. F., and Franzen.)

Franzheim, George W., Cleveland, Ohio. Boiler. 1,863,476; June 14.

Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Friction device for motion picture projection machines. 1,854,928; Apr. 19.

Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Friction drive for motion picture machines. 1,857,780; May 10.

Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Adjustable support for motion picture projection machines. 1,863,369; June 14.

Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Adjustable support for projection machine. 1,866,096; July 5.

Frappier, Louis S. and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Sprocket. 1,884,646; Oct. 25.

Frary, Francis C. (See Wood, T., and Frary, assignors.)

Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of aluminum. 1,867,555; July 12.

Fraser, Allan, Philadelphia, Pa. Tray. 1,867,738; July 19.

Fraser, Arthur C., et al. (See Ludlow, Israel, assignor.)

Fraser, Frank. (See Drake, J. L., and Fraser.)

Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,841,527; Jan. 19.

Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,841,579; Jan. 19.

Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing apparatus. 1,841,724; Jan. 19.

Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,841,796; Mar. 1.

Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming and annealing sheet glass. 1,865,894; July 5.

Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Continuous tank furnace. 1,872,437; Aug. 16.

Fraser, Fred, and W. E. Nobbe, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,841,550; Jan. 19.

Fraser Furnace Company. (See Fraser, Richard E., assignor.)

Fraser, George H., Brooklyn, N. Y. Air separator. 1,870,516; Sept. 6.

Fraser, Gordon. (See Fraser, Gordon, Norman and J.)

Fraser, Gordon, N., and J., Arbroath, Angus, Scotland, assignors to Receiving Machine Company, Ltd., Dundee, Scotland. Machine for removing burrs from a silver balling machine. 1,891,406; Dec. 20.

Fraser, Hannah C. and M. A., Bournemouth, Hants, England. Hair waving and curling device. 1,847,526; Mar. 1.

Fraser, Howard S., New York, N. Y., assignor to The Swedish Crucible Steel Company, Detroit, Mich. Feed water regulator. 1,864,239; June 21.

Fraser, Hugh D. (See Anderson, W. T., jr., and Fraser.)

Fraser, James, Edge Moor, Del., assignor to Speakman Company, Wilmington, Del. Shower head. 1,849,517; Mar. 15.

Fraser, James H. (See Dilley, M. M., and Fraser.)

Fraser, John. (See Fraser, Gordon, N., and J.)

Fraser, John, Leckmelm by Garve, Scotland. Pump for delivering measured quantities of liquid. 1,879,870; Sept. 27.

Fraser, John, Leckmelm by Garve, Scotland, assignor, by mesne assignments, to Anglo-Persian Oil Company, London, England. Flow meter for the measurement of liquid. 1,885,517; Nov. 1.

Fraser, Mary A. (See Fraser, Hannah C. and M. A.)

Fraser, Norman A. (See Strezynski, G. J., and Fraser.)

Fraser, Richard E., assignor of one-half to Fraser Furnace Company, Stockton, Calif. Burner assembly for gas furnaces. 1,862,182; June 7.

Fraser, Samuel W., Rochester, and F. Thrasher, Detroit, Mich. Insulated flashlight. 1,855,015; Apr. 19.

Fraser, Warren F. (See Arter, W., and Fraser.)

Fraser, Warren F., Westboro, Mass. Grinding machine. 1,873,751; Aug. 23.

Fraser, Warren F., Westboro, Mass. Grinding machine. 1,873,752; Aug. 23.

Fraser, Warren F., Westboro, assignor to Norton Company, Worcester, Mass. Grinding machine. 1,840,088; Jan. 5.

Fraser, Warren F., Westboro, assignor to Norton Company, Worcester, Mass. Grinding machine. 1,847,084; Mar. 1.

Fraser, William A., Toronto, Ontario, Canada. Case for eyeglasses and the like. 1,849,961; Jan. 26.

Fraser, William G., Fulham, London, England. Pulping machine. 1,869,243; July 26.

Frasier, Anna K., Leavenworth, Kans. Darning last. 1,890,032; Dec. 6.

Fratesi, Basilio L., jr., Tribbett, Miss. Paper bag holder. 1,870,722; Aug. 9.

Fratoddi, Giuseppe, et al. (See Foti, Charles, assignor.)

Frauendorf, Paul. (See Shapiro, H. A., and Frauendorf.)

Frauenfelder, Edward. (See Joy, W. P., Amend, and Frauenfelder.)

Frayer, Lee A., assignor to R. H. Smith, Kent, Ohio. Thread rolling die. 1,855,668; Apr. 26.

Frayer, Lee A., assignor to R. H. Smith, Kent, Ohio. Hopper feed apparatus. 1,873,377; Aug. 23.

Frazee, David F., jr., Newark, N. J. Photographic printing apparatus. 1,849,362; Mar. 15.

Frazee, Glenn S. (See Wilhjelm, C., and Frazee.)

Frazee, Walter G., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Apparatus for mixing material for making roads. 1,867,739; July 19.

Frazee, Walter G., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Apparatus for mixing materials for making roads. 1,867,817; July 19.

Frazier, Bert, Pittsburgh, Pa. Concealed stairway. 1,883,177; Oct. 18.

Frazier, Daniel B., Richmond, Va. Heel breast finisher. 1,855,284; Apr. 26.

Frazier, Irvine T., Coffeyville, Kans. Wall cabinet. 1,876,407; Sept. 6.

Frazier, John A., South Braintree, Mass. Shaping riding boots. 1,878,391; Sept. 20.

Frazier, Patrick. (See Brown, C. H., and Frazier.)

Frazier, Pearl G., Polk City, Iowa. Accelerator for internal combustion engines. 1,857,448; May 10.

Frazier, Rex D. (See Guedry, Hale, assignor.)

Frazier, Robert T., assignor to Tennessee Furniture Corporation, Chattanooga, Tenn. Refrigerator casing. Des. 86,450; Mar. 8.

Frease, Hurxthal F., Canton, Ohio. Arch and beam manufacture and products. 1,843,318; Feb. 2.

Frease, Hurxthal F., Canton, Ohio. Joist and tile construction for floors and the like. 1,891,086; Dec. 13.

Frech, Elmer J. (See Frech, Jacob B. and E. J., and Frech.)

Frech, Jacob B., and E. J., and W. S. Cox, Cincinnati, Ohio. Machine for preparing malliable matter. 1,880,958; Dec. 6.

Frech, Edwin M. (See Peterson, W. H., and Fred.)

Frede, Charles F., St. Louis, Mo., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Railway car underframe. 1,875,584; Sept. 6.

Frede, Charles F., and K. S. Howard, St. Louis, Mo., as signors, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Articulated locomotive. 1,888,822; Nov. 22.

Frederick, Frank, Minneapolis, Minn. Washing and classifying aggregates in one continuous operation. 1,865,094; June 28.

Frederick, Mark N., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron emission material. 1,842,161; Jan. 19.

Frederick, Mark N., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron emission material. 1,865,437; July 5.

Frederick, Mark N., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron emission material. 1,870,951; Aug. 9.

Frederick, Karl, Greifswald, Germany. Electrolytic production of fluorine. 1,866,969; July 12.

Frederick, Karl, Greifswald, Germany. Production of fluorine. 1,883,161; Nov. 15.

Frederick, Karl, and B. Helferich, Greifswald, Germany. Degradation of wood and other polysaccharids. 1,883,676; Oct. 18.

Frederick, Karl, and B. Helferich, Greifswald, Germany. Degradation of wood and other polysaccharids. 1,883,677; Oct. 18.

Frederick, Victor B., Belleville, Kans. Culvert. 1,860,533; May 31.

Frederick, Alton K., assignor to Southwestern Portland Cement Company, Fredonia, Ohio. Machine for unloading cement. 1,869,479; Aug. 2.

Frederick, Charles W., Syracuse, N. Y., assignor to General Motors Research Corporation, Detroit, Mich. Two speed steering gear. 1,849,002; Mar. 8.

Frederick, George D., Detroit, Mich. Toy. 1,850,927; Mar. 22.

Frederick Iron & Steel Company, The. (See Schmidt, J. J., and Frank, assignors.)

Frederick John, Edwin China, and Burt, Boulton & Haywood, Limited, London, England. (See Burt, assignor.)

Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Machine for forming commutator rings. 1,858,225; May 10.

Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, N. J. Composite apparatus for assembling disks. 1,872,134; Aug. 16.

Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Composite article and making same. 1,872,269; Aug. 16.

Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Making composite mica plates. 1,873,753; Aug. 23.

Frederick, Rheuel H., Irvington, N. J., assignor to Ames Pump Company, Inc., New York, N. Y. Seal for pumps. 1,850,749; Mar. 22.

Frederick, Roland E., and W. E. Hill, Philadelphia, Pa., assignors, by mesne assignments, to R. E. Ottenheimer, Baltimore, Md. Window. 1,856,867; May 3.

Frederick, Walter A., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve actuating mechanism. 1,856,246; May 3.

Frederick, Walter A., and A. J. Meyer, assignors to Continental Motors Corporation, Detroit, Mich. Preventing scuffing of cylinders and pistons. 1,874,489; Aug. 30.

Frederiksen, Carl J. (See Coultus, W. J., and Frederiksen.)
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Connecter fitting and bushing for armored cables. 1,850,792; Mar. 22.
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Park cable. 1,858,772; May 17.
Frederickson, Otto A., Wethersfield, Conn., assignor to The Wiremold Company, Hartford, Conn. Electrical cable. 1,864,346; June 21.
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Ground clamp for outlet and switch boxes. 1,880,081; Sept. 27.
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Weatherproof wire and making same. 1,890,253; Dec. 6.
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Weatherproof wire. 1,890,254; Dec. 6.
Frederics, E., Inc. (See Dwyer, James E., assignor.)
Frederics, E., Inc. (See Frederics, Ernest O., assignor.)
Frederics, Ernest O., Bronxville, assignor to E. Frederics, Inc., New York, N. Y. Closing clip. 1,873,378; Aug. 23.
Frederiksen, Felix K., assignor to Fabri Corporation, Milwaukee, Wis. Manufacture of soft cheese. 1,879,162; Sept. 27.
Fredlund, A., et al. (See Martin, Charles H., assignor.)
Fredman, Hyman. (See Borsky, H., and Freedman.)
Fredrich, Joseph. Tyndall, S. Dak. Manure loader. 1,871,939; Aug. 23.
Fredricksen, John C., Gary, Ind. Internal combustion engine. 1,889,650; Nov. 29.
Freidell, Charles, Brooklyn, N. Y. Cork feeding and inserting machine. 1,877,233; Sept. 13.
Freidell, Charles R., New York, assignor to McDonald Engineering Corporation, Brooklyn, N. Y. Labeling machine. 1,875,301; Aug. 30.
Free, John W., Aliquippa, assignor to Jones and Laughlin Steel Corporation, Pittsburgh, Pa. Mechanism for feed for pipe galvanizing machine. 1,869,324; July 26.
Free, John W., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Skelp forming machine. 1,888,965; Nov. 22.
Free Sewing Machine Company, The. (See Kelso, Ralph S., assignor.)
Free Sewing Machine Company. (See Kelso, R. S., and Wainwright, assignors.)
Freeberg, George. (See Simons, G. A., and Freeberg.)
Freeberg, Theodore, Two Harbors, Minn. Dirigible headlight. 1,882,415; Oct. 18.
Freed, A., trustee. (See Roos, Axel H., assignor.)
Freed, A., trustee. (See Roos, A. H., and Riddle, assignors.)
Freed, George C. (See Joyner, R. T., Bowles, and Freed.)
Freed, Joseph, Oakland, Calif. Silencer for water-closet tanks. 1,887,295; Nov. 8.
Freed, Oscar E., Seattle, Wash. Toilet article. 1,882,073; Oct. 4.
Freedlander, Abraham L., Dayton, Ohio. Pulley. 1,847,177; Mar. 1.
Freedlander, Abraham L., Dayton, Ohio. Gasket. 1,874,490; Aug. 30.
Freedlander, Abraham L., Dayton, Ohio. Double cog belt. 1,890,089; Dec. 6.
Freedlander, Abraham L., Dayton, Ohio. Line contact belt. 1,890,082; Dec. 6.
Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Lubricated belt. 1,854,252; Apr. 19.
Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Making a puncturepoof inner tube. 1,890,081; Dec. 6.
Freedman, Benjamin H., assignor to Hudson Holding Corporation, New York, N. Y. Match package. 1,851,042; Mar. 29.
Freedman, Benjamin H., assignor to Hudson Holding Corporation, New York, N. Y. Match package. 1,858,704; May 17.
Freedman, Benjamin H., assignor to Hudson Holding Corporation, New York, N. Y. Lip stick holder. 1,868,200; July 19.
Freedman, Benjamin H., assignor to Hudson Holding Corporation, New York, N. Y. Match package. 1,887,503; Nov. 15.
Freedman, Ephraim, Brooklyn, N. Y., A. Jaekli, North Bergen, N. J., and E. J. Gnaegi, assignors to R. H. Macy & Co., Inc., New York, N. Y. Textile fabric. 1,883,678; Oct. 18.
Freedman, Hyman, Chicago, Ill. Spring seat. 1,843,550; Feb. 2.
Freedman, Louis, Far Rockaway, N. Y., and A. E. Sherndal, Upper Montclair, N. J., assignors to H. A. Metz Laboratories, Inc., New York, N. Y. Reduction of 4-nitroso-3-phenyl-2,3-dimethyl-5-pyrazolone. 1,877,166; Sept. 13.
Freedman, Morey, and L. F. Sampson, Roxbury, Mass. Pasteboard carton. 1,844,952; Feb. 16.
Freedman, Samuel, and J. Gilbert, York, Pa. Gravity switch. 1,863,242; June 14.
Freeland, Edward M., Pittsburgh, Pa. Treating silicon steel sheets. 1,867,818; July 19.
Freelander, Julius, Kansas City, Mo. Golf score register. 1,888,602; Nov. 22.
Freeman, Albert E. (See Smith, T. C., Freeman, and Livermore.)
Freeman, Benjamin W. (See Knight, George, assignor.)
Freeman, Benjamin W., Cincinnati, Ohio. Shoe ornamenting device for shoe ornamenting machines. 1,839,544; Jan. 5.
Freeman, Benjamin W., Cincinnati, Ohio. Shoe ornamenting device. 1,851,667; Mar. 29.
Freeman, Benjamin W., Cincinnati, Ohio. Work supporting device for shoe ornamenting machinery. 1,875,720; Sept. 6.
Freeman, Benjamin W., Cincinnati, Ohio. Shank beating and stitch rubbing machine. 1,881,181; Oct. 4.
Freeman, Benjamin W. and L. G., Cincinnati, Ohio, and P. H. Koplan, Milwaukee, Wis., assignors to Louis G. Freeman Company, Cincinnati, Ohio. Abrading machine. 1,866,848; July 12.
Freeman, Benjamin W. Cincinnati, Ohio, W. S. Herschel, St. Louis, Mo., and H. E. Patterson, Columbus, assignors to The Louis G. Freeman Company, Cincinnati, Ohio. Marking and cementing shoes. 1,891,087; Dec. 13.
Freeman, Charles H., Detroit, Mich. Arch support. 1,866,557; July 12.
Freeman, Claud W., Fort Worth, Tex. Air cleansing and cooling device. 1,883,778; Oct. 18.
Freeman-Daughaday Company. (See Allison, James F., assignor.)
Freeman-Daughaday Company. (See Forsell, Frans E., assignor.)
Freeman, Deane M., Brookline, Mass. Educational and amusement device. 1,841,369; Jan. 19.
Freeman, George K. (See Salathe, Frederick, jr., assignor.)
Freeman, Henry W., Valley, Nebr. Track pulverizer for tractors. 1,887,348; Nov. 8.
Freeman, Horace, Shawinigan Falls, Quebec, assignor to The Sulphide Research Corporation, Limited, Montreal, Canada. Smelting finely divided sulphide ores. 1,888,164; Nov. 15.
Freeman, Hubert M., East Pittsburgh, Pa., and W. G. Wade, New York, N. Y., assignors to Westinghouse Electric and Manufacturing Company. Hot cathode electron discharge tube. 1,877,838; Sept. 20.
Freeman, Hubert M., and L. Sutherlin, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Filament spring structure. 1,839,872; Jan. 5.
Freeman, Ira M., Chicago, Ill. Fairing device. 1,881,073; Oct. 4.
Freeman, James P., Stone Mountain, Ga. Type case. 1,851,979; Apr. 5.
Freeman, John V., Bellerose, N. Y. Preparing colored granular material. 1,867,661; July 19.
Freeman, Leon, Chicago, Ill. Label. 1,867,622; July 19.
Freeman, Lewis C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Direct-current relay. 1,847,339; Mar. 1.
Freeman, Louis G. (See Freeman, B. W. and L. G., and Koplan.)
Freeman, Louis G., Company, The. (See Freeman, B. W., Herschel, and Patterson, assignors.)
Freeman, Louis G., Company. (See Freeman, B. W. and L. G., and Koplan, assignors.)
Freeman, Lowell C., and A. P. Buesch, Detroit, Mich., assignors to Reosgin, Inc. Vehicle construction. 1,876,905; Sept. 13.
Freeman, Robert L., Pittsburgh, Pa. Clothes stick. Des. 87,389; July 19.
Freeman, Samuel, New York, N. Y. Attachment for toasting devices. 1,850,750; Mar. 22.
Freeman, Walter B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for removing treads from tires. 1,869,680; Aug. 2.
Freeman, Walter R., and E. H. Schweering, Tulsa, Okla. Brake control mechanism. 1,843,218; Feb. 2.
Freeman, Will, Des Moines, Iowa, assignor to Marquette Manufacturing Company, St. Paul, Minn. Extension trunk. 1,846,388; Feb. 23.
Freeman, Jeanne Y. (See Freemon, John P., assignor.)
Freemon, John P., assignor to J. V. Freemon, Los Angeles, Calif. Combined heat and vibration massage device. 1,844,247; Feb. 9.
Freeport Sulphur Company, The. (See Bushnell, Lyman S., assignor.)
Freer, Phelps M., Detroit, Mich. Wrist pin construction. 1,859,360; May 24.
Freer, Phelps M., Detroit, Mich. Piston. 1,860,734; May 31.
Freer, Phelps M., Detroit, Mich. Piston. 1,860,735; May 31.
Freese, Ira H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Automatic rotary leer feeder. 1,883,362; Oct. 18.
Freese, Ira H., and H. H. Dawson, deceased, Clarksburg, L. P. Dawson, executrix, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass forming machine. 1,864,689; June 28.
Freese, Selma M., Temperance, Mich. Artificial flowers and making them. 1,858,148; May 10.

Freesland, Wilson S., Philadelphia, Pa., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone testing system. 1,855,852; Apr. 26.

French, Lancelot G. (See Skillman, T. S., and Freeth.)

Free Wheeling Patents Corporation. (See Campbell, Leon J., assignor.)

Free Wheeling Patents Corporation. (See Cowles, Thomas L., assignor.)

Freeze, John H., Canton, Ohio. Gate valve. 1,882,136; Oct. 11.

Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Brake anchor. 1,845,032; Mar. 1.

Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Internal brake. 1,863,008; June 14.

Frei, Elisabeth, Zurich, Switzerland. Support for the feet. 1,850,835; Mar. 22.

Frei, John, jr., Chicago, Ill. Ornament. 1,853,305; Apr. 12.

Frei, John, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dibenylamine. 1,846,576; Jan. 12.

Frei, Rudolf, Berneck, Switzerland. Amusement apparatus. 1,865,095; June 28.

Freiberg, Stanley B., Cincinnati, Ohio. Tray guide for filing cabinets. 1,886,800; Nov. 8.

Freiberg, Stanley B., assignor to The International Visible Systems Corporation, Cincinnati, Ohio. Temporary index structure. 1,886,801; Nov. 8.

Freiberg, Stanley B., assignor to The International Visible Systems Corporation, Cincinnati, Ohio. Division sheet. 1,886,802; Nov. 8.

Freimann, Raymond C., Tieton, and E. Evans, Yakima County, Wash. Fruit picker's bucket. 1,875,585; Sept. 6.

Freisels, Karl. (See Schoener, E., and Freisels.)

Freitag, Henry D. (See Cornelussen, E. S., Freitag, and Sporn.)

Freitag, Henry D. (See Sporn, P., and Freitag.)

Freitag, Theodore R., and K. W. Mardersteck; said Marderstеck assignor to The Petroleum Iron Works Company, Sharon, Pa. Spud and plug assembly. 1,842,260; Jan. 19.

Frelin, Fritjof, Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Fuel pump. 1,865,624; July 5.

Frelin, Fritjof, Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Fuel distributor for internal combustion engines. 1,871,265; Aug. 9.

Frelin, Fritjof, assignor to Societe Anonyme "L'Ecrou Indesserable Rev," Belfort, France. Lock nut. 1,868,007; July 19.

Frelinghuysen, George G., Morris Township, Morris County, assignor to P. Ballantine & Sons, Newark, N. J. Making a soap compound. 1,882,279; Oct. 11.

Fremont, George R., Charleston, S. C. Radio tuning mechanism. Re18,640; Nov. 1.

Fremont, Richard B., Oklahoma City, Okla. Valve. 1,869,212; June 5.

French, Alfred W., Chicago, Ill., assignor to Blaw-Knox Company, Pittsburgh, Pa. Road grading machine. 1,859,607; Jan. 5.

French, August. Hammond, assignor to Standard Oil Company, Whiting, Ind. Precoating device. 1,859,295; May 24.

French Battery Company. (See Shannon, James L., assignor.)

French, Charles A., Riverside, Ill. Steam pressure regulating device. 1,879,163; Sept. 27.

French, Edward H., Columbus, Ohio. Producing water-soluble resinates. 1,889,405; Nov. 29.

French, George F., Manchester, England. Machine gun cartridge belt. 1,876,216; Sept. 6.

French, George F., Manchester, England. Cartridge belt filling machine. 1,876,217; Sept. 6.

French & Hecht, Incorporated. (See Einfeldt, Ernest E., assignor.)

French & Hecht, Incorporated. (See Hecht, Joseph L., assignor.)

French, Hobert W., assignor to Hammermill Paper Company, Erie, Pa. Process of and apparatus for the treatment of pulp. 1,854,774; Jan. 12.

French, James W., assignor to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Reference and subsidiary marks in stereoscopic observing instruments. 1,864,899; June 28.

French, James W., Anniesland, Glasgow, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Antivibration means for the support of optical observation instruments. 1,870,310; Aug. 9.

French, Jeannette, assignor to Unique Manufacturing Company, Inc., New York, N. Y. Sweeper. 1,886,950; Nov. 8.

French, John C. (See Crater, W. de C., and French.)

French, Joseph P., Brooklyn, N. Y. Mica splitting machine. 1,879,164; Sept. 27.

French, Louis O., Milwaukee, Wis. Internal combustion engine. 1,856,328; May 3.

French, Louis O., Milwaukee, Wis. Internal combustion engine. 1,866,300; July 5.

French, Louis O., Milwaukee, Wis. Electromagnetically operated valve. 1,879,165; Sept. 27.

French Oil Mill Machinery Co., The. (See Stacy, Thomas F., assignor.)

French, Reginald D., Glen Ellyn, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Advertising display device. 1,865,848; July 5.

French, Roland P. (See Ohler F. L., and French.)

French, Willard C., Galt, assignor to C. Crawford, St. Catharines, Ontario, Canada. Separable fastener. 1,850,320; Mar. 22.

French, William E., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Portable repress machine. 1,879,166; Sept. 27.

Frenell, Per, Sottenburg, Sweden. System for reciprocating electric motors. 1,873,193; Aug. 23.

Frenette, Harry E., Duluth, Minn. Machine for making wire clips. 1,850,666; Mar. 22.

Frenkel, Isaac J., Moscow, Union of Socialist Soviet Republics. Viscose manufacturing. 1,866,558; July 12.

Frenkel, Samuel M., assignor to Superset Brush Co., Inc., New York, N. Y. Self-sealing one-piece drip collector. 1,864,059; June 21.

Frenkier, Emil, Arlington Heights, assignor, by mesne assignments, of one-half to F. Sponholtz, Des Plaines, Ill. Garment hanger. 1,847,056; Feb. 23.

Frentzel, Herman C., jr., Milwaukee, Wis. Engine heating and cooling system. 1,873,379; Aug. 23.

Frentzel, Herman E., assignor to The Falk Corporation, Milwaukee, Wis. Slotting machine. 1,872,270; Aug. 16.

Frenzel, Kurt. (See Bausch, V., and Frenzel.)

Frese, Joseph F., Baltimore, Md. Brake. 1,875,436; Sept. 6.

Frez, Gross & Co. (See Zitzer, Gustave, assignor.)

Freud, Joseph, and C. H. Koebler, Chicago, Ill. Motor operated mechanism. 1,870,246; Aug. 9.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 88,347; Nov. 22.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 88,348; Nov. 22.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 88,349; Nov. 22.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 88,372; Nov. 22.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 88,407; Nov. 29.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 87,568; Aug. 16.

Freudenberg, Ernest W., Larchmont, N. Y., assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or similar article. Des. 86,019; Jan. 19.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,331; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,332; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,333; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,334; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,335; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,336; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,337; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,338; July 12.

Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 87,339; July 12.

Freudenberg, Hans, Welnheim, Germany. Method of and machine for operating upon hides, skins and leather. 1,869,472; Aug. 2.

Freudenreich, William F., et al. (See Avey, Fred C., assignor.)

Freuder, Leo, Coney Island, assignor to Fiberplastic Corporation, New York, N. Y. Molded article and making same. 1,842,544; Jan. 26.

Freuler, Arthur L., assignor of 90 per cent to J. Maas, and 10 per cent to C. E. Myers, St. Louis, Mo. Ventilation regulating apparatus. 1,870,993; Aug. 9.

Freund, Erich, Werder, assignor to the Firm Heyl & Co., Chemische-pharmazeutische Fabrik, Aktiengesellschaft, Berlin, Germany. Compound of hexamethylenetetramine and diphosphoric acid and making same. 1,889,090; Nov. 29.

Freund, Hermann. (See Reddelien, G., Lange, Fischesser, and Freund.)

Freund, Herman R., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Cleaning machine for magazines and matrices. 1,890,374; Dec. 6.

Freund, Louis. (See Schmidt, Lambert, jr., assignor.)

Freund, Philip, Farmingdale, assignor of one-half to R. W. Faughnan, Farmingdale, Long Island, N. Y. Internal combustion engine. 1,878,767; Sept. 20.

Frey, Albert A., Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic alloy. 1,845,493; Feb. 16.

Frey, Albert A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Space-current discharge device. 1,851,699; Mar. 29.

Frey, Albert A., Forest Hills, Pa., and G. H. Cole, Middletown, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Magnetic alloy. 1,858,442; May 17.

Frey, Charles N. (See Gore, H. C., Jozsa, and Frey.)

Frey, Charles N., B. B. Brown, New York, and C. Craig, Peekskill, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Food product. 1,854,930; Apr. 19.

Frey, Charles N., E. B. Brown, New York, and C. Craig, Peekskill, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Food product. 1,854,930; Apr. 19.

Frey, Elmer E., Los Angeles, Calif. Folding camp chair. 1,867,819; July 12.

Frey, Elmer E., assignor to E. F. Leonard and J. P. Meehan, Los Angeles, Calif. Umbrella frame. 1,852,513; Apr. 5.

Frey, Elmer E., Los Angeles, Calif., assignor to E. F. Leonard and J. P. Meehan, Los Angeles, Calif. Umbrella. 1,852,514; Apr. 5.

Frey, Emil, Bienne, Switzerland, assignor, by mesne assignments, to Perpetual Self Winding Watch Corporation, New York, N. Y. Self-winding watch. 1,891,760; Dec. 20.

Frey, Emile, Bienne, Switzerland. Wrist-watch. 1,855,952; Apr. 26.

Frey, Frederick E., assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Overload protective system with resistance operated relay. 1,873,959; Aug. 30.

Frey, Eugene A., assignor to The Industrial Equipment Company, Minster, Ohio. Ladle turning mechanism. 1,849,354; Mar. 15.

Frey, Frederick E. (See Guyer, J. A., and Frey.)

Frey, Frederick E. (See Oberfell, G. G., and Frey.)

Frey, Frederick E. (See Oberfell, G. G., Guyer, and Frey.)

Frey, Frederick E., assignor to Phillips Petroleum Company, Bartlesville, Okla. Polymerizing gaseous hydrocarbons to obtain liquids. 1,847,240; Mar. 1.

Frey, Frederick E., and J. A. Guyer, assignors to Phillips Petroleum Company, Bartlesville, Okla. Treating hydrocarbons. 1,847,239; Mar. 1.

Frey, Frederick E., J. A. Guyer, and G. G. Oberfell, assignors to Phillips Petroleum Company, Bartlesville, Okla. Treating hydrocarbons. 1,847,238; Mar. 1.

Frey, Howard C., Maplewood, N. J. Curb pipe. 1,886,041; Nov. 1.

Frey, Karl. (See Gams, A., Widmer, and Frey.)

Frey, Severn M., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Liquid applying machine. 1,870,952; Aug. 9.

Freydberg Bros. (See Freydberg, Eli, assignor.)

Freydberg, Eli, assignor to Freydberg Bros. Inc., New York, N. Y. Sitfproof bag and making the same. 1,857,949; May 10.

Freygang, Walter H., Weehawken, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Discharging a fire extinguishing medium. 1,858,817; Nov. 1.

Freygang, Walter H., Weehawken, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Charging containers with carbon dioxide. 1,886,175; Nov. 1.

Freygang, Walter H., Weehawken, N. J., assignor to Walter Kidde & Company. Safety disk cutter. 1,891,049; May 10.

Freyn Engineering Company. (See Eaton, W., and Westcott, assignors.)

Freyn Engineering Company. (See Fox, Gordon, assignor.)

Freyn Engineering Company. (See Mehler, L. A., and Westcott, assignors.)

Freyn Engineering Company. (See Whitcomb, Arthur J., assignor.)

Freyn Engineering Company. (See Whitcomb, A. J., and Calley, assignors.)

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 87,613; Sept. 27.

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Suspender end. Des. 86,895; Apr. 26.

Freysinger, John B., New Britain, Conn., assignor, by mesne assignments, to Hookless Fastener Company, Meadville, Pa. Flexible closure. 1,860,803; May 31.

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Safety snap hook. 1,879,167; Sept. 27.

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Safety snap hook. 1,879,168; Sept. 27.

Frick, Charles A., Tylersport, Pa. Static eliminator for printing presses. 1,844,277; Feb. 9.

Frick, Chester A., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Bottle dispensing refrigerator. 1,841,943; Jan. 19.

Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Coin box. 1,858,190; May 10.

Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Bottle refrigerator. 1,862,395; June 7.

Frick, Chester A., and R. E. Baker, assignors to Glascock Brothers Manufacturing Company, Muncie, Ind. Display refrigerator. 1,871,784; Aug. 16.

Frick, Chester A., and R. E. Baker, assignors to Glascock Brothers Mfg. Co., Muncie, Ind. Bottle refrigerator. 1,872,031; Aug. 16.

Frick, Chester A., and R. E. Baker, assignors to Glascock Brothers Mfg. Co., Muncie, Ind. Bottle dispensing refrigerator. 1,872,032; Aug. 16.

Frick Company. (See Baer, Alvin H., assignor.)

Frick Company. (See Buehler, L., jr., and Aubrey, assignors.)

Frick Company. (See Buehler, L., jr., and Romberg, assignors.)

Frick Company. (See Small, Normal M., assignor.)

Frick Company. (See Zumbro, Frank R., assignor.)

Frickey, Edward H., Pasadena Park, assignor to Dixie Machinery Manufacturing Company, St. Louis, Mo. Apparatus for the manufacture of prepared feeds. 1,861,471; June 7.

Frickey, Royal E., assignor to Welding Service Inc., San Francisco, Calif. Rail joint. 1,871,977; Aug. 16.

Frickey, Royal E., assignor to Welding Service, Inc., San Francisco, Calif. Welding process. 1,859,780; Dec. 6.

Fridaker, Albert B., et al. (See Clark, Malcolm S., assignor.)

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,849,349; Mar. 15.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,858,397; May 17.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,865,751; July 5.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,866,023; July 5.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,872,438; Aug. 16.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,872,439; Aug. 16.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,874,437; Sept. 6.

Frieden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,891,227; Dec. 20.

Fridholm, Bjarne, Brooklyn, N. Y. Clothesline support. 1,880,082; Sept. 27.

Fridley, Elmer A., Sacramento, Calif. Engine starter. 1,867,662; July 19.

Friebus, Reginald T., Montclair, N. J., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Reproducing pictures or scenes from recorded impulses. 1,877,447; Sept. 13.

Friebus, Reginald T., Montclair, N. J., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound reproducing means and method. 1,891,227; Dec. 20.

Fried, Armin, Los Angeles, Calif. Focusing device for motion picture cameras. 1,873,571; Aug. 23.

Fried, Jacob M., Vicksburg, Miss. Thermal cut-out. 1,842,091; Jan. 19.

Fried, Jerome A., and C. Schroder, assignor, by mesne assignments, to Morse Products, Inc., Ithaca, N. Y. Adding machine. 1,852,299; May 19.

Fried, Joseph A., Flushing, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser casing. 1,842,376; Jan. 26.

Fried, Joseph A., Flushing, assignor to Dubilier Condenser Corporation, New York, N. Y. Condenser. 1,870,803; Aug. 9.

Fried. Krupp Aktiengesellschaft. (See Bohle, Karl, assignor.)

Fried. Krupp Aktiengesellschaft. (See Bornkessel, Bruno, assignor.)

Fried. Krupp Aktiengesellschaft. (See Bornkessel, B., Breitling, Lehmann, and Varren, assignors.)

Fried. Krupp Aktiengesellschaft. (See Burmeister, Erich, assignor.)

Fried. Krupp Aktiengesellschaft. (See Fry, Adolf, assignor.)

Fried. Krupp Aktiengesellschaft. (See Gross, Siegfried, assignor.)

Fried. Krupp Aktiengesellschaft, Friedrich-Alfred-Hutte. (See Hartmann, Fritz, assignor.)

Fried. Krupp Aktiengesellschaft. (See Herwig, V., and Mustin, assignors.)

Fried. Krupp. Aktiengesellschaft. (See Jacob, Max, assignor.)

Fried. Krupp Aktiengesellschaft. (See Lehmann, K. A., and Breitling, assignors.)

Fried. Krupp Aktiengesellschaft. (See Lehmann, K. A., and Varren, assignors.)

Fried. Krupp Aktiengesellschaft. (See Schnebel, Eduard, assignor.)
Fried. Krupp Aktiengesellschaft. (See Schraven, Alexander, assignor.)
Fried. Krupp Aktiengesellschaft. (See Strauss, Benno, assignor.)
Fried. Krupp, Aktiengesellschaft. (See Wolf, Peter, assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Mohr, K., and Heydemann, assignors.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Rohwer, Heinrich, assignor.)
Fried. Krupp Grusonwerke A. G. (See Holzapfel, Karl E. E., assignor.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Küstel, Emil, assignor.)
Fried Krupp Grusonwerk A. G. (See Mittag, Carl, assignor.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Sobler, Karl, assignor.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Ullrich, Georg, assignor.)
Fried. Richard H., Pittsburgh, Pa. Knife rack. 1,876,284; Sept. 6.
Fried, William B., Dormont, assignor to New Brick Corporation, Pittsburgh, Pa. Wall covering. 1,889,091; Nov. 29.
Friedberger-Aaron Manufacturing Company. (See Decker, John C., assignor.)
Friedberger-Aaron Manufacturing Company. (See Tanner, Guy C., assignor.)
Friede, Julian S., Texarkana, Tex. Display stand. Des. 81,100; June 7.
Friedel, Georg, Aschaffenburg, Germany. Emergency closure or lock for weirs, sluice gates, and the like. 1,858,882; May 17.
Friedel, Jonas, Omaha, Nebr. Towing and hauling car. 1,853,410; Apr. 12.
Friedemann, Matthew M., New York, N. Y. Novelty container. Des. 86,711; Apr. 12.
Friedemann, William, Cincinnati, Ohio. Safety device for steering gear. 1,865,438; July 5.
Friederich, Alfred, and P. Schlack, assignors to Aceta G. m. b. H., Berlin, Lichtenberg, Germany. Apparatus for heating air in dry spinning of artificial thread. 1,861,912; June 7.
Friederich, Walter. (See Eschbach, W., and Friederich.)
Friedinger, Albert, Furstenfeldbruck, near Munich, Germany. Electric time switch. 1,879,169; Sept. 27.
Friedländer, Enrich. Spandau, near Berlin, Germany, assignor to Westinghouse Electric and Manufacturing Company, Relaying system. 1,888,718; Nov. 22.
Friedländer, Erich. (See Ollendorff, F., and Friedländer.)
Friedländer, Erich. (See Rüdenberg, R., and Friedländer.)
Friedman, Albert H., et al. (See Cobello, Joseph F., assignor.)
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Union connecter. 1,843,975; Feb. 9.
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Gas burner. 1,844,151; Feb. 9.
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Dual gas burner. 1,871,783; Aug. 16.
Friedman, David, et al. (See Siegel, Charles, assignor.)
Friedman, Harry B. (See Friedman, Samuel L. and H. B.)
Friedman, John H., assignor to The National Machinery Co., Tiffin, Ohio. Handling cut blanks for forgings. 1,870,723; Aug. 9.
Friedman, John H., assignor to The National Machinery Co., Tiffin, Ohio. Handling stock. 1,875,586; Sept. 6.
Friedman, Joseph B., Los Angeles, Calif. Dispensing device. 1,857,685; May 10.
Friedman, S. A., et al. (See Clark, Harry E., assignor.)
Friedman, Marcus, Brooklyn, N. Y. Collar. 1,892,430; Dec. 27.
Friedman, Norman, et al. (See Cobello, Joseph F., assignor.)
Friedman, Samuel, Brooklyn, N. Y. Fur treating apparatus. 1,874,273; Aug. 30.
Friedman, Samuel L. and H. B., Los Angeles, Calif. Invisible foot cover for stockingless legs. 1,877,393; Sept. 13.
Friedman, Samuel M., Brooklyn, N. Y. Transmission mechanism. 1,847,645; Mar. 1.
Friedman Silver Co. (See Budd, Howard L., assignor.)
Friedman, William, New York, N. Y. Container for toilet articles. Des. 86,082; Jan. 26.
Friedman, William, New York, N. Y. Toilet accessory. 1,852,455; Apr. 5.
Friedman, William, New York, N. Y. Toilet accessory. 1,858,218; May 10.
Friedman, William, New York, N. Y. Toilet accessory. 1,887,298; Nov. 8.
Friedman, William, New York, N. Y. Toilet accessory. 1,887,299; Nov. 8.
Friedman, William, assignor to Lupe, Inc., New York, N. Y. Container. 1,854,373; Apr. 19.
Friedman, William F. (See Graham, G. A., Evans, and Friedman.)
Friedmann, Alex. (See Deutsch, Hans, assignor.)
Friedmann, Alex. (See Hajek, Otto, assignor.)
Friedmann, Firm Alex. (See Friedmann, L., and Deutsch, assignors.)
Friedmann, Louis, and H. Deutsch, assignors to the Firm Alex Friedmann, Vienna, Austria. Feeding device for the boilers of locomotives. 1,869,473; Aug. 2.
Friedmann, Sebastian, assignor to Rheinische Metallwaaren-und Maschinenfabrik Sommerda Aktiengesellschaft, Sommerda, Thuringia, Germany. Coupling for typewriter line spacing wheels. 1,889,047; Nov. 29.
Friedrich, Bruno, Vienna, Austria. Parallel vise, chuck, and similar clamping device. 1,848,617; Mar. 8.
Friedrich, Charles F. (See Savage, E. S., and Friedrich.)
Friedrich, Curt. (See Friedrich, Karl and C.)
Friedrich, Edmund H., Holyoke, Mass. Metal flashing. 1,843,948; Feb. 9.
Friedrich, Edmund H., Holyoke, assignor to The Cheney Company, Winchester, Mass. Metal flashing. Re18,492; June 14.
Friedrich, Edmund H., Holyoke, assignor to The Cheney Company, Winchester, Mass. Flashing. 1,860,240; May 24.
Friedrich, Edward. (See Friedrich, George E., assignor.)
Friedrich, George E., assignor to E. Friedrich, San Antonio, Tex. Refrigerator door. 1,855,953; Apr. 26.
Friedrich, Hermann. (See Baumann, F., Friedrich, and Zeis.)
Friedrich, Hermann. (See Lommel, W., Goost, and Friedrich.)
Friedrich, Karl and C., Breslau, Germany. Producing articles covered by cold process with a glaze-like coating. 1,850,099; Mar. 22.
Friedrich Siemens Aktien Gesellschaft. (See Sprenger, Arthur, assignor.)
Friedrich, Waldemar, Rahlstedt, near Hamburg, Germany. Steam purifier. 1,854,583; Apr. 19.
Friedrichs, Wilhelm, Reinickendorf-West, near Berlin, Germany. Mail stamping machine and the like. 1,871,506; Aug. 16.
Fries, Claude L., Chicago, Ill. Rotary imprinting press. 1,841,103; Jan. 12.
Friend, Edward K., Jamaica Plain, Mass. Direction indicating device. 1,890,077; Dec. 13.
Friend, Harry M. (See Jolley, Edward H., assignor.)
Friend, John F. C., Newcastle-on-Tyne, England. Concentration of minerals including coal. 1,875,296; Aug. 30.
"Friend" Manufacturing Company. (See Hull, John C., assignor.)
Friend, Robert O., and J. A. Montgomery, Chicago, Ill. Water treating device. 1,891,061; Dec. 13.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Trust Company of Illinois, executors. Automatic telephone system. 1,852,745; Apr. 5.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Republic Bank and Trust Company of Illinois, executors. Automatic telephone system. 1,883,679; Oct. 18.
Friendly, Herbert M., deceased, Chicago, Ill.; Milton S. Friendly and Central Republic Bank and Trust Company, executors. Automatic telephone system. 1,883,680; Oct. 18.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Trust Company of Illinois, executors. Carburetor. 1,888,709; Nov. 22.
Friendly, Milton S., et al., executors. (See Friendly, Herbert M.)
Fries, Friedrich August. (See Ebert, G., Fries, and Garbsch.)
Friesner, Charles E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Couch hammock. 1,845,142; Feb. 16.
Friesner, Charles E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Mounting for wall tents. 1,845,143; Feb. 16.
Friesner, Charles E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Protective covering for articles for furniture. 1,881,454; Oct. 11.
Frigidaire Corporation. (See Andrews, Frank W., assignor.)
Frigidaire Corporation. (See Auld, George R., assignor.)
Frigidaire Corporation. (See Baker, Marshall W., assignor.)
Frigidaire Corporation. (See Beyer, Bertram B., assignor.)
Frigidaire Corporation. (See Braeutigam, Henry P., assignor.)
Frigidaire Corporation. (See Bratten, Philip M., assignor.)
Frigidaire Corporation. (See Breen, John B., assignor.)
Frigidaire Corporation. (See Dick, Herman J., assignor.)
Frigidaire Corporation. (See Edel, Walter L., assignor.)
Frigidaire Corporation. (See Eiche, Harold D., assignor.)
Frigidaire Corporation. (See Fehr, John R., assignor.)
Frigidaire Corporation. (See Fish, Mortimer W., assignor.)
Frigidaire Corporation. (See Fish, M. W., and Clark, assignors.)
Frigidaire Corporation. (See Fleming, Robert E., assignor.)
Frigidaire Corporation. (See Gaugler, Richard S., assignor.)
Frigidaire Corporation. (See Geiler, Frederick C., assignor.)
Frigidaire Corporation. (See Getchell, Robert M., assignor.)

Frigidaire Corporation. (See Hainsworth, William R., assignor.)
Frigidaire Corporation. (See Heidemann, Frederick J., assignor.)
Frigidaire Corporation. (See Henney, Charles F., assignor.)
Frigidaire Corporation. (See Holbrook, William C., assignor.)
Frigidaire Corporation. (See Hull, Harry B., assignor.)
Frigidaire Corporation. (See Hull, H. B., and Reeves, assignors.)
Frigidaire Corporation. (See Keilholtz, Lester S., assignor.)
Frigidaire Corporation. (See Kettering, Charles F., assignor.)
Frigidaire Corporation. (See Keyes, Frederick G., assignor.)
Frigidaire Corporation. (See Killen, James R., assignor.)
Frigidaire Corporation. (See King, Jesse G., assignor.)
Frigidaire Corporation. (See Maccabee, David E., assignor.)
Frigidaire Corporation. (See Macready, J. A., and Wyatt, assignors.)
Frigidaire Corporation. (See McCormack, Alex A., assignor.)
Frigidaire Corporation. (See Miller, Ralph K., assignor.)
Frigidaire Corporation. (See Myers, Charles B., assignor.)
Frigidaire Corporation. (See Neal, Duane R., assignor.)
Frigidaire Corporation. (See Rauen, John T., assignor.)
Frigidaire Corporation. (See Reeves, Donald H., assignor.)
Frigidaire Corporation. (See Scherer, Charles W., assignor.)
Frigidaire Corporation. (See Schmieding, Warren H. F., assignor.)
Frigidaire Corporation. (See Sheats, John H.)
Frigidaire Corporation. (See Slagel, Franklin G., assignor.)
Frigidaire Corporation. (See Smith, Harry F., assignor.)
Frigidaire Corporation. (See Stout, Elmer O., assignor.)
Frigidaire Corporation. (See Summers, Otto M., assignor.)
Frigidaire Corporation. (See Van Deventer, Harry R., assignor.)
Frigidaire Corporation. (See Van Deventer, H. R., and Grier, assignors.)
Frigidaire Corporation. (See Wyatt, De Witt H., assignor.)
Frigiola, Nicholas F., Fairview, N. J. Treating wood and wooden article produced thereby. 1,856,756; May 3.
Frigiola, Pasquale, New York, N. Y. Weatherstrip for windows. 1,853,954; Apr. 26.
Friis, Harald T., Red Bank, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio receiving circuit. 1,844,953; Feb. 16.
Friis, Harald T., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave translating system. 1,867,356; July 12.
Friis, Harald T., and A. G. Jensen, Red Bank, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Wave transmission circuit. 1,859,867; May 24.
Frings, Heinrich, Bonn-on-the-Rhine, Germany. Manufacture of vinegar. 1,880,381; Oct. 4.
Frink Corporation, The. (See Bart, Blasius, assignor.)
Frink, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 1,891,924; Dec. 27.
Frink, Robert L., Lancaster, Ohio. Method and apparatus for melting glass. 1,868,156; June 14.
Frisbey, Anna C., et al. (See McRae, David F., assignor.)
Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Toy pistol. 1,881,455; Oct. 11.
Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Machine gun toy pistol. 1,881,456; Oct. 11.
Frisby, Clarence R. (See McHugh, William H., assignor.)
Frisch, Martin, New York, N. Y., and E. Lundgren, Frederick, Md., assignors to International Combustion Engineering Corporation, New York, N. Y. Finely divided fuel burning furnace. 1,866,404; July 5.
Frischknecht, Ernest, and J. Abegglen, Neuchatel, Switzland, assignors, by mesne assignments, to Teleregister Corporation, New York, N. Y. Signaling apparatus and method. 1,852,994; Apr. 5.
Frisell, Ernest, Lincoln, and W. W. Fox, Daykin, Nebr. Regulator for corn sheller feeders. 1,849,484; Mar. 15.
Fritsch, Frank M., assignor to The Eagle Woodenware Manufacturing Company, Hamilton, Ohio. Mop wringing machine. 1,862,891; June 14.
Fritsch, Martin. (See Immerheiser, C., Zschimmer, Fritsch, and Fleischmann.)
Fritschi, Hans, assignor to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,862,850; June 14.
Fritschi, Hans, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool structure. 1,864,129; June 21.
Fritschi, Hans, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,874,491; Aug. 30.
Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Film measuring control. 1,849,227; Mar. 15.
Fritz, Allen J. (See Sarvay, D. W., Grieb, and Fritz.)
Fritz-Cross Company, The. (See Garrow, James A., assignor.)
Fritz-Cross Company, The. (See Goenen, L. E., and Garrow, assignors.)
Fritz, Earl A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrode construction. 1,871,363; Aug. 9.
Fritz, Edward B., Chicago, Ill. Paper pulp beating machine. 1,839,753; Jan. 5.
Fritz, Ernest M., Chicago, Ill. Music leaf turner. 1,846,097; Feb. 23.
Fritz, John F., Evergreen Park, Ill. Airplane propeller. 1,850,452; Mar. 22.
Fritz, Lawrence, Portland, Oreg. Speed change device for sound reproducers. 1,852,456; Apr. 5.
Fritzsche, Henry A. (See Inman, W. H., and Fritzsche.)
Fritzsche, Hermann, West Didsbury, assignor to the Firm, The Clayton Aniline Company Limited, Clayton, Great Britain. Condensation products of aliphatic aldehyde bisulphite compounds with primary aromatic amines and making same. 1,864,425; June 21.
Fritzsche, Paul. (See Streitwolf, K., Fehrle, Herrmann, and Fritzsche.)
Fritzsche, Paul R., assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Diesel engine. 1,859,663; May 24.
Frizner, John, Detroit, Mich. License plate holder. 1,851,825; Mar. 29.
Frizner, John, Denville, N. J. License plate holder and signal light. 1,887,087; Nov. 8.
Frobisher, Ralph S., Bernardsville, N. H., assignor to Bemis Industries, Incorporated, Boston, Mass. Method and apparatus for producing fibrous articles. 1,861,849; June 7.
Froeckman, William A., St. Louis, Mo. Circuit and polarity tester. 1,881,457; Oct. 11.
Froelich, Clarence H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Controlling mechanism for engines. 1,860,929; May 31.
Froelich, Clarence H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Reversible auxiliary locomotive. 1,878,838; Sept. 20.
Froelich, Clarence H., and R. J. McCarty, jr., Bethlehem, Pa., assignors to Bethlehem Steel Company. Driving mechanism. 1,890,049; Dec. 6.
Froelich, Oscar E. H., Forest Ward, C. A., and Froelich.)
Froesch, Charles. (See Masury, A. F., and Froesch.)
Froesch, Charles, Teaneck, N. J., and W. B. Jupp, assignors to International Motor Company, New York, N. Y. International combustion engine cooling system. 1,862,675; June 14.
Froget, André, Paris, France, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,870,247; Aug. 9.
Frohber, Raymond E. M., Brooklyn, N. Y. Illuminated fireman's helmet. 1,891,806; Dec. 20.
Frohlich, Alfred. (See Wendt, B., and Frohlich.)
Frohlich, Charles, Amsterdam, assignor to Bizelow-Sanford Carpet Co. Inc., New York, N. Y. Setting frame. 1,892,507; Dec. 27.
Frohlich, Hans, and T. Hausch, assignors to Landis & Gyr, A.-G., Zug, Switzerland. Induction meter. 1,874,954; Aug. 30.
Frohring, William Q., Shaker Heights, assignor to S. M. A. Corporation, Cleveland, Ohio. Measuring device for milk powders. 1,867,403; July 12.
Frolander, Frank C. (See Czarny, M., and Frolander.)
Frolich, Per K. (See Lewis, W. E., Frolich, and Autry.)
Frolich, Per K., Cambridge, Mass., assignor to Standard Oil Development Company. Treating of hydrocarbon materials. 1,858,822; May 17.
Frolich, Per K., Elizabeth, N. J., assignor to Standard Oil Development Company. Production of normally liquid hydrocarbons from gaseous or lower boiling hydrocarbon materials. 1,869,681; Aug. 2.
Frolich, Per K., Elizabeth, N. J., and P. L. Young, New York, N. Y., assignors to Standard Oil Development Company. Continuous method of producing esters from olefins. 1,877,291; Sept. 13.
From, Owen C. (See Polinkowsky, L., and From.)
Fromer, William Z., Bayonne, N. J., assignor to Rear Vision, Inc. Rear vision device for automobiles. 1,841,176; Jan. 12.
Fromm, Herbert, Hamburg, Wis. Juice extractor. 1,888,915; Nov. 22.
Fromm, Herbert, Hamburg, Wis. Shock absorber for cars. 1,889,197; Nov. 29.
Fromm, Willy, Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 1,877,297; Sept. 13.
Frommer, Rudolf v., Budapest, Hungary. Barrel spring for automatic firearms. 1,877,839; Sept. 20.
Fronsdahl, Clarence E. (See Spitzenberger, A. H., and Fronsdahl.)
Frost, Albert E., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph receiving or repeating circuit. 1,881,458; Oct. 11.
Frost, Carl A., Chicago, Ill. Decorative balloon. 1,858,991; May 17.
Frost, Charles L., and H. E. Frost, Grand Rapids, Mich Latch or lock bolt. 1,872,440; Aug. 16.

Frost, Clinton E., Youngstown, Ohio, assignor, by mesne assignments, to The Pittsburgh Plate Glass Company, Pittsburgh, Pa., Polishing brush. 1,885,706; Nov. 1.

Frost Electric Screen Co. (See Frost, William M., assignor.)

Frost, Frank L., jr., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Tri-sodium phosphate hydrate-soap compositions. 1,885,905; Nov. 1.

Frost, Frederick W., Amityville, N. Y. Standpipe system. 1,887,631; Nov. 15.

Frost, Horace E. (See Frost, Charles L., and H. E.)

Frost, John G. G., assignor to The Vitreous Enameling Company, Cleveland, Ohio. Superposed enamel. 1,875,721; Sept. 6.

Frost, Meyrl M., Capac, assignor to Durowood Industries Incorporated of Detroit, Detroit, Mich. Heat insulating material. 1,849,369; Mar. 15.

Frost, Meyrl M., Capac, assignor to Durowood Industries Incorporated of Detroit, Detroit, Mich. Metal impregnated fiber article and making same. 1,856,475; May 3.

Frost, Myron O., Richmond Heights, assignor to Johnson, Stephens, and Shinkle Shoe Company, St. Louis, Mo. System of manufacturing shoes. 1,863,557; June 21.

Frost Research Laboratory, Inc. (See Frost, Robinson V., assignor.)

Frost, Robert J., Clayton, Victoria, Australia. Electrolytic production of white lead. 1,857,950; May 10.

Frost, Robinson V., Norristown, Pa., assignor to Frost Research Laboratory, Inc. Radiator. 1,865,511; July 5.

Frost, Thomas H., Boston, Mass. Razor. 1,864,995; June 28.

Frost, Thomas H., Cambridge, Mass. Manufacture of fine edged blades. 1,887,504; Nov. 15.

Frost, Walter, Rochdale, England. Machine for weighing and grading eggs. 1,891,807; Dec. 20.

Frost, William M., assignor to Frost Electric Screen Co., Spokane, Wash. Insect trap. Re18,313; Jan. 5.

Frost, William M., Spokane, Wash. Insect electrocutor. 1,858,923; May 17.

Frost, William M., Spokane, Wash. Insect electrocutor. 1,871,978; Aug. 16.

Frost, William M., Spokane, Wash. Insect electrocutor. 1,882,350; Oct. 11.

Frost, William P., Jackson Heights, N. Y., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Strain equalizing device. 1,851,459; Oct. 11

Frosted Foods Company. (See Birdseye, Clarence, assignor.)

Frosted Foods Company. (See Hall, Bicknell, assignor.)

Frosted Foods Company. (See Souther, John G., assignor.)

Frosted Foods Company. (See Tival, Henri L. P., assignor.)

Frosted Foods Company. (See Tressler, Donald K., assignor.)

Frosted Wool Process Company. (See Greenleaf, Robert N., assignor.)

Froussard, Albert F., St. Louis, Mo. Valve. 1,840,498; Jan. 12.

Froussard, Albert F., St. Louis, Mo. Shoe heel machine. 1,846,029; Feb. 23.

Froussard, Albert F., St. Louis, Mo. Heel cutting machine. 1,876,285; Sept. 6.

Frova, Giovanni, Milan, Italy. Fruit pitting machine. 1,876,492; Sept. 6.

Frowein, Friedrich. (See Eyer, C., Frowein, and Korn.)

Frowenfeld, James M., New York, N. Y. Display card. 1,877,840; Sept. 20.

Frucht, Henry. (See Scholz, A., and Frucht.)

Frühmorgen, Heinrich, Bremen, Germany. Screen for dual-intensity headlights. 1,882,177; Oct. 11.

Fruehauf, Oscar A., Detroit, Mich. Surgical splint. 1,867,258; July 12.

Fruehauf Trailer Company. (See Cadman, Addi B., assignor.)

Fruehauf Trailer Company. (See Reid, Frederick N., assignor.)

Fruits, Robert E., Chicago, Ill. Horseshoe. 1,889,856; Dec. 6.

Fruit Supply Company. (See Balsamo, Mariano, assignor.)

Frum, Edouard, administrator. (See Deakin, G., and Polinkowsky.)

Frum, Edouard, administrator. (See Polinkowsky, L., and From.)

Frutkow, Nathaniel and J. C. Wahl, Chicago, Ill. Hypodermic kit and the like. 1,876,493; Sept. 6.

Fruwirth, Arthur, Brooklyn, N. Y. Apparatus for producing ornamental designs. 1,843,551; Feb. 2.

Fry, Adolf, Essen, assignor to Fried Krupp Aktiengesellschaft Essen-on-the-Ruhr, Germany. Low carbon steel. 1,855,105; Apr. 19.

Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Vending machine. 1,839,840; Jan. 5.

Fry, Benjamin L., St. Louis, Mo. Coin display means for vending machines. 1,839,841; Jan. 5.

Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Vending machine. 1,839,842; Jan. 5.

Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Slot-closing means. 1,839,843; Jan. 5.

Fry, Benjamin L., St. Louis, Mo. Coin-controlled mechanism. 1,848,248; Mar. 8.

Fry, Benjamin L., St. Louis, Mo. Vending machine. 1,865,895; July 5.

Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Coin receptacle for vending machines. 1,885,249; Nov. 1.

Fry, Francis H. (See Judge, E. E., and Fry.)

Fry, Jacob R., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 1,881,460; Oct. 11.

Fry, Justus W., Renton, Wash. System and structure for high speed traffic. 1,883,363; Oct. 18.

Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Wil-Fry Corporation, New York, N. Y. Seat side arm cover. 1,856,868; May 3.

Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Wil-Fry Corporation, New York, N. Y. Seat cover. 1,862,476; June 7.

Frycberg, Samuel, assignor to Simplicity Manufacturing Company, Fort Washington, Wis. Boring and grinding machine. 1,844,316; Feb. 9.

Frycberg, Samuel, assignor to Simplicity Manufacturing Company, Fort Washington, Wis. Boring and grinding machine. 1,844,317; Feb. 9.

Frye, Frank, Detroit, Mich. Successively exhibiting groups of signs. 1,839,584; Jan. 5.

Frye, Lee, San Francisco, Calif. Bootblack stand foot rest construction. 1,885,250; Nov. 1.

Frye, Robert G., Hillsboro, Ohio. Clutch operating device for power shovels. 1,891,529; Dec. 20.

Fryer, Charles. (See Schroeder, D. F. H., Langenfeld, and Fryer.)

Fryer, Gil N., assignor to Dayton Scale Company, Dayton, Ohio. Food mixer. Des. 87,914; Oct. 11.

Fryer, Roy C., Bellevue, Ky., assignor to Metropolitan Device Corporation. Electromagnetic instrument. 1,846,802; Feb. 23.

Fryer, Roy C., Cincinnati, Ohio, assignor to Duncan Electric Manufacturing Company, Lafayette, Ind. Electric current consumption system. 1,871,170; Aug. 9.

Fryer, William H. (See Strmchan, T. H., and Fryer.)

Frybofer, Charles W., St. Paul, Minn. Cream cooler. 1,854,169; Apr. 19.

Frykman, Oscar. (See Ulum, U. U., and Frykman.)

Frykman, Victor L., assignor to Dictograph Corporation, Bridgeport, Conn. Phonograph clutch. 1,892,269; Dec. 27.

Fryling, Harry F., Merchantville, assignor to "Flexitalic" Gasket Co., Camden, N. J. Gasket. 1,856,051; Apr. 26.

Fuber, Maximilian, Lubeck, assignor to W. Krakow, Schiutup, near Lubeck, Germany. Doorlock with multiple action spring. 1,885,707; Nov. 1.

Fuchs, Friedrich, assignor to the Firm Ringler & Co. Verlagsanstalt und Vereinigte Buch- & Steindruckereien, Zofinge, Switzerland. Printing form. 1,849,452; Mar. 15.

Fuchs, Fritz E., Maplewood, N. J., assignor to Samuel J. Singer, New York, N. Y. Use of pine oil in emulsion breakers. 1,890,849; Dec. 13.

Fuchs, Fritz E., East Orange, N. J., assignor to The Specialty Products Company, Inc., New York, N. Y. Paper manufacture. 1,845,855; Feb. 16.

Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,858,490; May 17.

Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Side bearing for railway cars. 1,873,702; Aug. 23.

Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,877,131; Sept. 20.

Fuchs, Oswin E., Arlington Heights, Ill., assignor to Harrington & King Perforating Company, Chicago, Ill. Grille panel. Des. 86,564; Mar. 22.

Fuchs, Otto. (See Begerow, O., and Fuchs.)

Fuchs, Rudolf, Eggenberg, near Graz, Austria. Shoe nail for mountain shoes. 1,859,135; May 17.

Fuchs, Sigismund, Höchst-on-the-Main, Germany, assignor to firm of Durand & Huguenin S. A., Basel, Switzerland. Dyeing process for animal fibers. 1,874,274; Aug. 30.

Fuehrer, George H. (See Sandy, W. A., and Fuehrer.)

Fuel Development Corporation. (See Kimball, Leo B., assignor.)

Fuel Oil Carburetor Co. Inc. (See Garibaldi, Giuseppe, assignor.)

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction and assembling same. 1,861,850; June 7.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Self-centering front mechanism for cameras. 1,870,620; Aug. 9.

Fuerst, Carl C., and J. Christie, assignors to Eastman Kodak Company, Rochester, N. Y. Body construction for cameras. 1,857,502; May 10.

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 85,925; Jan. 5

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 85,926; Jan. 5.

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 85,927; Jan. 10.

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 86,118; Feb. 2.

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 86,306 : Feb. 23.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 86,565 : Mar. 22.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 86,712 : Apr. 12.
Fuerst Edwin W. assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 87,208 : June 21.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 87,255 : June 28.
Fuerst, Edwin W., Toledo, Ohio, assignor to The Parker Pen Company, Janesville, Wis. Bottle or similar container. Des. 87,302 : July 5.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 87,512 : Aug. 9.
Fuerst, Edwin W. assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 87,777 : Sept. 20.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle or similar article. Des. 87,834 : Sept. 27.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 88,076 : Oct. 25.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 88,225 : Nov. 8.
Fuess, James T. (See Staud. C. J., and Fuess.)
Fugeat, Euclide, et al. (See Dufault, Homer D., assignor.)
Fugere, Alderic. (See Dufault, Homer D., assignor.)
Fugere, Alderic, et al. (See Dufault, Homer D., assignor.)
Fugere, Euclide. (See Dufault, Homer D., assignor.)
Fugita, Frank, El Reno, Okla. Sign. 1,887,591 : Nov. 15.
Fuhr, Albert B., Macomb, Ill. Container. 1,847,476 : Mar. 1.
Fuhr, Henry, Waukesha, Wis. Brush cleaner. 1,849,370 : Mar. 15.
Fuhrman, Albert C., Canton, Ohio. Fifth wheel construction. 1,870,502 : Aug. 9.
Fujita, Kuwakichi, Hazleton, Pa. Burglar alarm. 1,849,703 : Mar. 15.
Fulcher, Charles E. R. (See Hays, Rolff M., assignor.)
Fulcher, Frank C., Purley, England. Filtering or fine straining apparatus for liquids. 1,877,449 : Sept. 13.
Fulcher, Frank C., Purley, England. Filtering or fine straining apparatus for liquids. 1,877,450 : Sept. 13.
Fulcher, Frank C., Purley, England. Filtering or fine straining apparatus for liquids. 1,877,451 : Sept. 13.
Fulcher, Gordon S., assignor to Corning Glass Works, Corning, N. Y. Making composite refractory articles. 1,868,699 : July 26.
Fulcher, Gordon S., assignor to Corning Glass Works, Corning, N. Y. Composite refractory articles and making the same. 1,878,858 : Sept. 20.
Fulcher, Gordon S., assignor to Corning Glass Works, Corning, N. Y. Refractory article. 1,879,676 : Sept. 27.
Fuld, William A., Baltimore, Md. Amusement device. 1,870,677 : Aug. 9.
Fulda, Edward, New York, N. Y. Interlocking section strip. 1,859,664 : May 24.
Fulda, Edward. (See Lachman, L. S., and Fulda.)
Fulenwider, Harry. (See Fulenwider, Jesse and H.)
Fulenwider, Jesse and H., assignors to The Southern States Iron Roofing Company, Inc., Savannah, Ga. Roofing fastener. 1,880,318 : Oct. 4.
Fulford Mfg. Co. (See Smith, Alfred H., assignor.)
Full, George D., Winnetka, assignor to Dudley Lock Corporation, Chicago, Ill. Toy aeroplane bank. 1,889,982 : Dec. 6.
Fulk, George L., Mentor, assignor to The Overfold Company, Chicago, Ill. Feed mechanism for sheet material. 1,858,443 : May 17.
Fulkerson, Wilmer A., and C. I. Bain, Brookfield, Mo. Curtainless sand blast nozzle control. 1,857,188 : May 10.
Full, George D., Winnetka, assignor to Dudley Lock Corporation, Chicago, Ill. Lock. 1,882,794 : Oct. 18.
Full, George D., Winnetka, J. J. Neitz, Naperville, J. M. Muntner, Chicago, Ill., R. J. Buettner and J. Birbaum, West Allis, Wis., assignors to Dudley Lock Corporation, Chicago, Ill. Combination cabinet lock. 1,847,392 : Mar. 1.
Fuller Brush Company, The. (See Boardman, Frederick S., assignor.)
Fuller Brush Company, The. (See Cave, Henry.)
Fuller Brush Company, The. (See Smith, Curtiss F., assignor.)
Fuller Brush Company, The. (See Thacher, John J., assignor.)
Fuller, Carl T., Cleveland Heights, Ohio, assignor to General Electric Company. Packing for incandescent lamps and similar articles. 1,888,855 : Nov. 22.
Fuller, Charles H., Mason, Mich. Mail-box support. 1,883,119 : Nov. 15.
Fuller, Charles W. (See Rolfs, E. L., and Fuller.)
Fuller, Claud E., New York, N. Y., and W. W. Wallace, Chicago, Ill.; said Fuller assignor to New York Brick Handling Corporation, New York, N. Y. Hacking machine. 1,860,143 : May 24.
Fuller Company. (See Morrow, Joseph H., assignor.)
Fuller Company. (See Pfeiffer, César, assignor.)
Fuller Company. (See Sprague, Edward W., assignor.)
Fuller, Frederic B. (See Smith, E. L., and Fuller.)
Fuller, Frederick H. (See Tompkins, John D., and Fuller.)

Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,701 : Aug. 23.
Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,754 : Aug. 23.
Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,275 : Aug. 30.
Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,276 : Aug. 30.
Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,277 : Aug. 30.
Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,883,894 : Oct. 25.
Fuller, Frederick L., Trenton, N. J., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 1,878,125 : Sept. 20.
Fuller, Geo. H., & Son Company. (See Phinney, Elisha A., assignor.)
Fuller, George L., and W. F. Breen, Santa Maria, Calif. Wiper device. 1,868,794 : July 26.
Fuller, George P., Niagara Falls, N. Y., and C. A. V. Daviss, Niagara Falls, Ontario, Canada, assignors, by mesne assignments of one-half to said Fuller and one-half to Edward Mickle, Buffalo, N. Y. Electrodepositing iron. 1,862,745 : June 14.
Fuller, Harry E., Newhall, Iowa. Fishing rod. 1,843,714 : Feb. 2.
Fuller, Henry C., Washington, D. C. Medicated ointment composition. 1,870,107 : Aug. 2.
Fuller, Herbert. (See Dyer, J. G., and Fuller.)
Fuller, Ira K., assignor, by mesne assignments, to Contact Filtration Company, Olean, N. Y. Treating spent adsorbents. 1,890,284 : Dec. 6.
Fuller, Ira K., Olean, N. Y., assignor, by mesne assignments, to Contact Filtration Company. Treating spent adsorbents. 1,890,255 : Dec. 6.
Fuller, James W., Estate of. (See Kinyon, Alonzo G., assignor.)
Fuller, Jerrold C., Chicago, Ill. Closure construction. 1,868,821 : July 26.
Fuller Lehigh Company. (See Bailey, Ervin G., assignor.)
Fuller Lehigh Company. (See Beecher, Henry W., assignor.)
Fuller Lehigh Company. (See Harter, Isaac, assignor.)
Fuller Lehigh Company. (See Heller, Lewis W., assignor.)
Fuller Lehigh Company. (See Hulsart, Charles A., assignor.)
Fuller Lehigh Company. (See Jacobus, David S., assignor.)
Fuller Lehigh Company. (See Johnson, Charles H., assignor.)
Fuller Lehigh Company. (See Kerr, Howard J., assignor.)
Fuller Lehigh Company. (See Lucke, Charles E., assignor.)
Fuller, Leo H., Inc. (See Borregard, Ernst, assignor.)
Fuller, Leo H., Inc. (See Hanson, Jay B., assignor.)
Fuller, Leonard, Grand Rapids, and K. F. Schmidt, Ada, Mich. Nursery furniture panel. Des. 88,521 : Dec. 6.
Fuller, Leonard, Grand Rapids, and K. F. Schmidt, Ada, Mich. Nursery furniture panel. Des. 88,522 : Dec. 6.
Fuller, Leonard, Grand Rapids, and K. F. Schmidt, Ada, Mich. Nursery furniture panel. Des. 88,523 : Dec. 6.
Fuller, Leonard, Grand Rapids, and K. F. Schmidt, Ada, Mich. Nursery furniture panel. Des. 88,524 : Dec. 6.
Fuller, Leonard, Grand Rapids, and K. F. Schmidt, Ada, Mich. Nursery furniture panel. Des. 88,525 : Dec. 6.
Fuller, Leonard, Grand Rapids, and K. F. Schmidt, Ada, Mich. Nursery furniture panel. Des. 88,526 : Dec. 6.
Fuller, Lida M., executrix. (See Tompkins, J. D., and Fuller.)
Fuller, Louis W., assignor to The Howe Scale Company, Rutland, Vermont. Weighing-scale. 1,869,357 : Aug. 2.
Fuller, Robert E., assignor to Fuller System Inc., Woburn, Mass. Exterminating insect pests. 1,845,977 : Feb. 16.
Fuller, Roger A., Philadelphia, Pa., assignor to General Electric Company. Automatic switching system. 1,883,856 : Nov. 22.
Fuller, Rufus W., Deerfield, assignor to Production Machine Company, Greenfield, Mass. Apparatus for centerless grinding or polishing. 1,892,453 : Dec. 27.
Fuller & Sons Manufacturing Co. (See Bixby, Leo A., assignor.)
Fuller, Summer G., Goodell, Iowa. Earth pulverizing machine. 1,840,810 : Jan. 12.
Fuller System Inc. (See Fuller, Robert E., assignor.)
Fuller, Tillie, Madison, S. Dak. Garment hanger. 1,871,600 : Aug. 16.
Fuller, W. P., & Co. (See Amieva, Manuel M., jr., assignor.)
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Fitting for electrical conduit systems. 1,850,794 : Mar. 22.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Universal level. 1,853,558 : Apr. 12.

Fullman, James M. G., Sewickley, assignor to National Electric Products Corporation, Pittsburgh, Pa. Service head, 1,890,050; Dec. 6.

Fullman, James M. G., Sewickley, and L. J. Rittelmann, Baden, Pa., assignors to National Electric Products Corporation. Manufacture of electrical conductors. 1,863,979; June 21.

Full-Tone Process Company. (See Ernst, Victor C., assignor.)

Full Tone Reproduction Co. (See Wollensak, A., and Ernst, assignors.)

Fulmer, Joseph H., Nazareth, Pa. Feeding device. 1,891,307; Dec. 20.

Fulton, Alfred C., assignor to The Aetna Rubber Company, Ashtabula, Ohio. Yieldable shoe or cushion. 1,874,955; Aug. 30.

Fulton, Claude C., St. Louis, Mo. Combined tire and luggage carrier for automobiles. 1,877,887; Sept. 20.

Fulton Company, The. (See Thorp, Joel R., assignor.)

Fulton Company, The. (See Thorp, J. R., and Fausch, assignors.)

Fulton, Edwin W., Oswego, N. Y. Vise. 1,890,114; Dec. 6.

Fulton, John B., Highland Park, Mich. Automatic transmission mechanism. 1,848,216; Mar. 8.

Fulton, Neil, New York, N. Y. Hair wave holder. 1,841,470; Jan. 18.

Fulton, Neil, New York, N. Y. Wave comb. 1,841,471; Jan. 19.

Fulton, Robert R., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Preparing hydrocyanic acid. 1,872,923; Aug. 23.

Fulton Sylphon Company. (See Carson, William W., jr., assignor.)

Fulton Sylphon Company, The. (See Fulton, Weston M., assignor.)

Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)

Fulton Sylphon Company, The. (See Giesler, J. V., and Bezzenberger, assignors.)

Fulton Sylphon Company, The. (See Reeder, Frank C., assignor.)

Fulton, Weston M., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Manufacture of tubular corrugated metal walls. 1,882,798; Oct. 18.

Fulton, William B., Walnut Park, Calif. Door check. 1,869,415; Aug. 2.

Fulton, William H., Orange, assignor to The Paradon Company, Arlington, N. J. Sterilizing. 1,847,003; Feb. 23.

Funck, Raul W., Stuttgart, Germany. Machine for forming banks from threads of food paste. 1,844,152; Feb. 9.

Funderburk, Perry. (See Kubin, V. J., and Funderburk.)

Fundom, Earl H., Kenton, assignor, by mesne assignments, to The Marion Steam Shovel Company, Marion, Ohio. Excavator construction. 1,890,727; Dec. 13.

Fundom, Earl H., Kenton, assignor, by mesne assignments, to The Marion Steam Shovel Company, Marion, Ohio. Power excavator. 1,890,728; Dec. 13.

Funk, Frank E., Winchester, Ind. Support for signs. 1,866,530; July 12.

Funk, John E., Bloomfield, N. J. Electrical relay. 1,845,494; Feb. 16.

Funk, Levi L., Chicago, Ill. Tongue and mouth cleaner. 1,857,145; May 10.

Funk, Robert V. (See Ennis, George H., assignor.)

Funke, Fred W., Oakland, Calif. Fire-fighting tool. 1,849,990; Mar. 22.

Funke, Rudolf, Dusseldorf, Germany. Drill for dental purposes. 1,862,955; June 14.

Funsten, Stannard R., Haverford, and I. M. Perkins, Penfield, assignors to The Atlantic Refining Company, Philadelphia, Pa. Removal of wax from oil. 1,857,370; May 10.

Funston, Frederick D. (See Kindl, C. H., and Funston.)

Funston, Frederick D., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,883,895; Oct. 25.

Furber, Frederick M., deceased, by S. R. Cutler, administrator, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,858,584; May 17.

Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Joint for conveyers. 1,885,818; Nov. 1.

Furedy, Frank, New York, N. Y., assignor to Inkpak Manufacturing Co. Inc. Self-inking fountain pen. Re18,702; Dec. 20.

Furedy, Frank, New York, N. Y. Self inking fountain pen. 1,880,128; Sept. 27.

Furey, Edward R., New Rochelle, N. Y., and E. S. Anderson, Boston, Mass. Score card. 1,878,629; Sept. 20.

Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Combination ventilator. 1,853,346; Apr. 12.

Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Hydraulic throttle actuator. 1,865,561; July 5.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Multiple label holder. 1,842,398; Jan. 26.

Furlong, Roland A., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index card tray. 1,854,831; Apr. 19.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index card. 1,887,632; Nov. 15.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Sheet shifter for visible index binders. 1,891,376; Dec. 20.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index. 1,891,377; Dec. 20.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index tray. 1,891,378; Dec. 20.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Sliding support for visible index trays. 1,891,379; Dec. 20.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Portable visible index. 1,891,380; Dec. 20.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index cabinet. 1,891,381; Dec. 20.

Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index cabinet. 1,891,382; Dec. 20.

Furlong, Roland A., and J. R. Clark, assignors to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Card index. 1,891,375; Dec. 20.

Furlow, William D., and L. D. Rose, Indianapolis, Ind. Spindle straightener. 1,849,228; Mar. 15.

Furnace Engineering Company. (See Coutant, Jay G., assignor.)

Furnas, Aubrey R., Uniontown, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire mold. 1,880,439; Oct. 4.

Furnas, Don R., assignor to Aurora Steel Products Company, Aurora, Ill. Electrical switch apparatus. 1,846,051; Feb. 23.

Furnas, William C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic cleaning plant. 1,861,136; May 31.

Furnas, William C., and G. E. Cooper, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor control system. 1,860,499; May 31.

Furnell Manufacturing Corporation, The. (See Cahusac, Noel, assignor.)

Furness Corporation. (See Furness, William H., assignor.)

Furness, Harold, assignor to Carr & Company Limited, Carlisle, England. Machinery for making biscuits and like baked products. 1,868,058; July 19.

Furness, William H., National Park, N. J., assignor to Furness Corporation, Philadelphia, Pa. Artificial silk thread making apparatus. 1,839,212; Jan. 5.

Furness, William H., National Park, N. J., assignor, by mesne assignments, to Furness Corporation, Philadelphia, Pa. Silk manufacture. 1,853,123; Apr. 12.

Furness, William H., National Park, N. J., assignor, by mesne assignments, to Furness Corporation, Philadelphia, Pa. Making copper hydroxide. 1,867,357; July 12.

Furness, William H., National Park, N. J., assignor to Furness Corporation, Philadelphia, Pa. Drawing wheel. 1,878,692; Sept. 20.

Furo, Andre C., Astoria, N. Y. Headlight indicator. 1,874,179; Aug. 30.

Furo, Andre C., Astoria, N. Y. Adjustable shelf. 1,870,494; Sept. 6.

Furrer, Rudolph, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for forming beads on tubular articles. 1,872,067; Aug. 16.

Furrer, Rudolph, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe joint. 1,872,271; Aug. 16.

Furrer, Rudolph, Whitefiesh Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Railway tank car. 1,872,272; Aug. 16.

Furrer, Samuel S., assignor to Brenneis Manufacturing Company, Oxnard, Calif. Multiple hitch for multiple-gang harrows. 1,843,275; Feb. 2.

Furrer, Samuel S., assignor to Brennels Manufacturing Company, Oxnard, Calif. Disk harrow. 1,861,741; June 7.

Fürst, Camillo. (See Illner, R., and Fürst.)

Fürst, Clara, administratrix. (See Illner, R., and Fürst.)

Furtney, John E., Detroit, Mich. Battery carrier terminal assembly. 1,881,461; Oct. 11.

Furukawa Denki Kogyo Kabushiki Kaisha. (See Shiomi, T., and Higuchi, assignors.)

Fusch, Otis O., Bellflower, Calif. Valve. 1,842,600; Jan. 26.

Fusch, Warren A., St. Louis, Mo. Thread holder. 1,855,295; Apr. 26.

Fusco, John, New Haven, Conn. Cutlery polishing machine. 1,878,840; Sept. 20.

Fussell, Robert. (See Hansen, Emil C., assignor.)

Futch, Jefferson D., Baltimore, Md. Window display device. 1,865,182; June 28.

Futscher, Leroy T., assignor to E. R. Beeman, Minneapolis, Minn. Clutch. 1,859,963; May 24.

Futter, Charles J., and G. W. Blair, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber sole construction. 1,865,625; July 5.

Fuwa, Kitsuzo, and T. Okugawa, Tokyo, Japan, assignors to General Electric Company. Strengthening frosted glass articles. 1,852,840; Apr. 5.

Fuwa, Kitsuzo, and Y. Shiraishi, Tokyo, Japan, assignors to General Electric Company. Electric lamp bulb. 1,854,988; Apr. 19.

Fye, William A., State College, assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa. Paddle and base for washer logs. 1,877,167; Sept. 13.

Fye, William A., State College, assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa. Washer log. 1,887,151; Nov. 8.

Fyfe, Charles E., Cedarhurst, N. Y. Protective means. 1,861,332; Mar. 22.

Fyffe & Company Limited. (See Fyffe, Thomas L., assignor.)

Fyffe, Thomas Lillie, assignor to Fyffe & Company Limited, Dundee, Scotland. Wrench and like hand tool. 1,868,892; July 26.

Fyfse, Mitchell L., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Back digging shovel. 1,852,156; Apr. 5.

Fyrac Manufacturing Company. (See Aldeen, Gedor W., assignor.)

Fyr-Fyter Company, The. (See Iddings, Roscoe C., assignor.)

G & G Atlas Systems, Inc. (See Stoetzel, Joseph J., assignor.)

G. & J. Tire Company. (See Cady, John E., assignor.)

G. K. Syndicate Limited. (See Hutchinson, Harold, assignor.)

G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)

G-M Laboratories, Inc. (See McMaster, A. J., and Parson, assignors.)

G. & W. Electric Specialty Company. (See Edmonds, George P., assignor.)

G. & W. Electric Specialty Company. (See Rah, Joseph, assignor.)

G. & W. Electric Specialty Co. (See Williams, Paul F., assignor.)

G & W Electric Specialty Co. (See Williams, Pearson F., assignor.)

G. Z. M. Patentverwertung Aktiengesellschaft, the Firm. (See Richter, Sigmund, assignor.)

Gabbert, Hugh W., Norwood, Ohio. Airplane. 1,878,788; Sept. 20.

Gabel, William J., assignor of fifty per cent to J. S. Bretz, Great Falls, Mont. Automobile bumper. 1,861,691; June 7.

Gabill, Tanis, Berlin, N. H. Internal combustion engine. 1,861,945; May 3.

Gable, C. P., et al. (See Butterworth, Samuel D., assignor.)

Gabler, Frank M., Monument Oreg. Tire tool. 1,869,244; July 26.

Gäbler, Hans, assignor to Weber & Seelander, Maschinenfabrik. Helmstedt, Germany. Rubbing mill. 1,855,830; Apr. 26.

Gabli, Jacob, Lincoln Park, Mich. Driving mechanism for motor vehicles. 1,885,427; Nov. 1.

Gabli, Jacob, Lincoln Park, Mich. Differential drive mechanism. 1,886,668; Nov. 8.

Gabor, Dionys. (See Reiter, T., and Gabor.)

Gábor, Dionys, Berlin-Wilmersdorf, assignor to Siemens & Halske, Aktiengesellschaft, Siemenstadt, near Berlin, Germany. Vacuum tube. 1,865,752; July 5.

Gabriel, Adam. (See Gibson, W. C., and Gabriel.)

Gabriel, Charles L., Terre Haute, Ind., and B. K. Brown, New York, N. Y., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Catalyst for synthetic methanol production. 1,875,722; Sept. 6.

Gabriel Company, The. (See Beecher, Eugene L., assignor.)

Gabriel Company, The. (See Dickey, Richard J., assignor.)

Gabriel Company, The. (See Kinnear, Harry D., assignor.)

Gabriel Company, The. (See Robbins, Walter C., assignor.)

Gabriel, Daniel, Brooklyn, N. Y. Toothbrush. 1,855,572; Apr. 26.

Gabriel Kari-Keen Company, The. (See Arndt, Ernest A., assignor.)

Gabriel Kari-Keen Company, The. (See Collier, Roy C., assignor.)

Gabriel Kari-Keen Company, The. (See Myers, Cecil H., assignor.)

Gabriel, Leonard G., and J. F. Blott, London, England, assignors, by mesne assignments, to Colas Roads Inc., Boston, Mass. Emulsion containing india rubber. 1,886,334; Nov. 1.

Gabriel, Pasquale T., Brooklyn, assignor to Dominick La Valle, New York, N. Y. Shoe heel. 1,842,017; Jan. 19.

Gabriels, Henry, jr., Los Angeles, Calif. Faucet gasket. 1,875,438; Sept. 6.

Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Stencil attachment for typewriting machines. 1,839,307; Jan. 5.

Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,886,476; Nov. 8.

Gabrielson, Carl, and C. Waucquez, assignors to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,881,462; Oct. 11.

Gachassin-Lantz, Marcel G., Brussels, Belgium. Visible shot concentrating projectile for sporting guns. 1,864,916; June 28.

Gadd, Joseph O., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Rotary-cutter can-opener. 1,839,474; Jan. 5.

Gadd, Lott, Detroit, Mich. Hair waving device. 1,849,543; Mar. 15.

Gadd, William E., Glen Olden, Pa. Field template for rails and joints. 1,857,951; May 10.

Gadd, William E., Glen Olden, Pa., assignor to The Rail Joint Company, New York, N. Y. Shimmed rail joint. 1,857,952; May 10.

Gaddess, Clarence W., New York, N. Y. Infant's bath tub. 1,856,992; May 3.

Gaddini, Norman, Winters, Calif. Reel. 1,864,900; June 28.

Gadoux, André, La Trette, assignor of one-half to Société pour l'Exploitation des Brevets Gadoux, Paris, France, and one-half to Hupp Motor Car Corporation, Detroit, Mich. Cylinder block construction. 1,891,638; Dec. 20.

Gaensle, Paul W. (See Eksergian, C. L., and Gaensle.)

Gaetje, John H., Glenview, and A. E. Santschi, Chicago, Ill., assignors to Western Electric Company, Inc., New York, N. Y. Electrical heating device. 1,866,097; July 5.

Gafney, James, New York, N. Y. Magnetic brake shoe for aeroplanes. 1,870,286; Aug. 9.

Gaffney, John J., assignor to National Folding Box Company, New Haven, Conn. Packing and display container. 1,890,285; Dec. 6.

Gage, Edward G., Brooklyn, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical connecter. 1,850,583; Mar. 22.

Gage, Edward G., Brooklyn, assignor to Radio Corporation of America, New York, N. Y. Separating desired from undesired electric currents. 1,853,678; Apr. 12.

Gage, Nellie M., Dayton, Ohio. Headlight for motor vehicles. 1,883,681; Oct. 18.

Gage, Richard C. (See Whitfield, C. M., and Gage.)

Gage, Robert B., Trenton, N. J. Concrete pavement and its construction. 1,862,911; June 7.

Gage, Robert B., Trenton, N. J. Transverse joint for concrete pavement. 1,884,647; Oct. 25.

Gagen, Thomas H., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Carton. 1,881,464; Oct. 11.

Gagné, Augustin. (See Lawson, R. H., and Gagné.)

Gagné, Augustin, Central Falls, R. I. Form-holding device for caps or like forms. 1,867,402; Sept. 13.

Gagné, Augustin, assignor to Hemphill Company, Central Falls, R. I. Latch ring for circular knitting machines. 1,852,607; Apr. 5.

Gagné, Augustin, assignor to Hemphill Company, Central Falls, R. I. Needle. 1,856,052; Apr. 26.

Gagné, Augustin, assignor to Hemphill Company, Central Falls, R. I. Knitting machine needle assemblage. 1,877,503; Sept. 13.

Gagnier, George E. (See Place, Bion C., assignor.)

Gagnon, Joseph H., Montreal, Quebec, assignor of fifty per cent to European Novelties and Patents Company, Limited, Montreal, Canada. Furnace. 1,840,499; Jan. 12.

Gagnon, Lawrence J., Cleveland, Ohio. Lamp. Des. 87,110; June 7.

Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,842,377; Jan. 26

Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Contact of the pin type. 1,888,165; Nov. 15.

Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Method of and apparatus for molding pins in radio tube bases. 1,886,176; Nov. 1.

Gahlert, Franz J., Barenstein, Germany. Treatment of artificial silk yarns and the like. 1,847,827; Mar. 1.

Gahn, Joseph J. (See Yoder, C. B., Gahn, and Wilkes, jr.)

Gaidies, Georg. (See Ewest, H., and Gaidies.)

Gaige, Crosby. (See Lieber, Ira J., assignor.)

Gail, John F., Evanston, Ill. Combined inkwell and pen support. 1,862,139; June 7.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Machine for making spiral springs. 1,851,540; Mar. 29.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Mechanism for sewing mattresses. 1,857,371; May 10.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Edge for mattresses or cushions. 1,870,945; Aug. 2.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Mattress anchor for sleeping car berths. 1,879,170; Sept. 27.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Mattress making process and machine. 1,879,171; Sept. 27.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Bedspring. 1,879,172; Sept. 27.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Sewing machine. 1,879,173; Sept. 27.

Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y., Mattress filler making process and machine. 1,879,174; Sept. 27.

Gailey, Florence L. Los Angeles, Calif. Exercising device. 1,866,024; July 5.

Gaillard, Henri, Nanterre, France. Differential pulley. 1,867,882; July 19.

Gainelli, Frank J. (See Wick, Louis D., assignor.)

Gaines, Edmund P., Columbia, S. C. Aerofoil. 1,874,278; Aug. 30.

Gaines, Edmund P., Columbia, S. C. Airfoil. 1,881,463; Oct. 11.

Gaines, Eugene F., assignor to Atlas Manufacturing Company, Philadelphia, Pa. Power meat saw. 1,870,774; Aug. 9.

Gaines, Walter S., jr., East Cleveland, assignor to The Reid Products Company, Cleveland, Ohio. Channel. 1,867,312; July 12.

Gaines, Walter S., jr., East Cleveland, assignor to The Reid Products Company, Cleveland, Ohio. Window channel. 1,867,313; July 12.

Gaire, Paul E., New York, N. Y. Hair treating apparatus. 1,839,668; Jan. 5.

Gaire, Paul E., New York, N. Y. Hair treating apparatus. 1,839,756; Jan. 5.

Gaire, Paul E., New York, N. Y. Hair treating apparatus. 1,842,666; Jan. 26.

Gairing, Emil, assignor to Gairing Tool Company, Detroit, Mich. Boring tool and holder. 1,886,177; Nov. 1.

Gairing Tool Company. (See Gairing, Emil, assignor.)

Gairing Tool Company. (See Wyrick, Clayton E., assignor.)

Gaiser, Otto, Augsburg, assignor to Firm Alpine Aktien-Gesellschaft Maschinenfabrik & Eisengiesserei, Augsburg-Oberhausen, Germany. Crushing and grinding machine. 1,885,251; Nov. 1.

Gaisman, Henry J., Hartsdale, N. Y. Cash register. 1,885,252; Nov. 1.

Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,844,338; Feb. 9.

Gaisman, Henry J., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,847,564; Mar. 1.

Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,855,473; Apr. 26.

Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,856,329; May 3.

Gaisman, Henry J., assignor, by mesne assignments, to Gillette Safety Razor Company, New York, N. Y. Safety razor. 1,859,083; May 17.

Gaisman, Henry J., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,867,217; July 12.

Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Blade package. 1,869,311; July 26.

Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,876,906; Sept. 13.

Gaisman, Henry J., New York, and C. Schumacher, Lynnbrook, N. Y., assignors, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Strip feeding machine. 1,860,144; May 24.

Gaisman, Henry J., New York, and C. Schumacher, Lynbrook, N. Y., assignors, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Blade making machine. 1,864,488; June 21.

Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Refrigerator vehicle. 1,873,572; Aug. 23.

Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Radiator shield construction. 1,888,719; Nov. 22.

Galanot, Carlos P., assignor, by mesne assignments, to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Power take-off mechanism. 1,872,924; Aug. 23.

Galassi, Pasquale, New York, N. Y. Interchangeable floor strip. 1,841,177; Jan. 12.

Galassi, Pasquale, New York, N. Y. Terrazzo floor strip. 1,847,955; Mar. 1.

Galassi, Pasquale, New York, N. Y. Floor dividing strip construction. 1,844,752; Feb. 9.

Galassi, Pasquale, New York, N. Y. Divider strip. 1,888,916; Nov. 22.

Galassi, Pasquale, New York, N. Y. Expansion strip. 1,889,651; Nov. 29.

Galassi, Pasquale, New York, N. Y. Strip for terrazzo and similar floors. 1,891,530; Dec. 20.

Galazin, Casimer V., Detroit, Mich. Syringe. 1,841,406; Jan. 19.

Galbraith, Arch H., Pittsburgh, Pa., assignor to Rutledge Equipment Company. Display card container. 1,884,971; Oct. 25.

Galbraith, Clyde O., Los Angeles, Calif. Recording and reproducing sound. 1,882,554; Oct. 11.

Galbraith, Joseph B., Kaysville, Utah. Pipe cutter. 1,849,142; Mar. 15.

Galbraith, Joseph B., Kaysville, Utah. Cutting tool. 1,888,381; Nov. 22.

Galbraith, Frank R. (See Pearne, F. Y., and McClintock, assignors.)

Gale, Edward M., Fairfield, Ala. Feeder for threading machines. 1,841,800; Jan. 19.

Gale, Ernest L., Yonkers, assignor to Gurney Elevator Company, Inc., New York, N. Y. Elevator control system. 1,889,312; Nov. 29.

Gale, Ernest L., Yonkers, assignor to Gurney Elevator Company, Inc., New York, N. Y. Elevator control system. 1,891,350; Dec. 20.

Gale, Roy B., Frisco, Colo. Cabinet. 1,869,806; Aug. 2.

Gale, William A. (See Allen, W. H., MacDonald, and Gale.)

Gale, William A. (See Ritchie, C. F., and Gale.)

Gale, William A., and C. F. Ritchie, Trona, Calif., assignors, by mesne assignments, to American Potash & Chemical Corporation, New York, N. Y. Detergent and water softening product. 1,870,804; Aug. 9.

Galicyjskie Towarzstwo Naftowe "Galicja" S. A. (See Von Piotrowski, W., and Winkler, assignors.)

Galion Iron Works & Mfg. Co., The. (See Macy, Ishmael W., assignor.)

Galion Metallic Vault Company, The. (See Smith, R. E., Arnold, and Curfman, assignors.)

Galizi, Adriano. (See Galizi, Eugenio, assignor.)

Galizi, Eugenio, deceased, former or one-half to A. Galizi, New York, N. Y.; Maria Galizi, executrix. Accordion. 1,839,213; Jan. 5.

Galizi, Maria, executrix. (See Galizi, Eugenio.)

Galko, Paul, Detroit, Mich. Elevated electric railway. 1,860,241; May 24.

Gall, Oswald C., Huron, Ohio. Device for sterilizing and renovating beehives, etc. 1,850,100; Mar. 22.

Gall, Stanley, Cincinnati, Ohio. Sausage casing. 1,887,806; Nov. 15.

Gallagher, Bernard S., Piedmont, and W. J. Emmons, Alameda, Calif. Support. 1,864,814; June 28.

Gallagher, Blanche N., executrix. (See Ekstromer, Edward C., assignor.)

Gallagher, Charles E. P., Great Neck, N. Y. Tobacco pipe and cigar ejector. 1,847,393; Mar. 1.

Gallagher, George F., Albany, N. Y. Lubricant. 1,857,501; May 10.

Gallagher, James F. (See Ekstrommer, Edward C., assignor.)

Gallagher, James F., et al. (See Ekstromer, Edward C., assignor.)

Gallagher, John, Philadelphia, Pa. Advertising device. 1,853,806; Apr. 12.

Gallagher, Murray D., Bay City, Mich. Golf bag. 1,849,663; Jan. 12.

Gallagher, Samuel, New York, N. Y. Chute for waste building material. 1,877,234; Sept. 13.

Gallagher, W. Neil, Newton, Iowa. Washing machine. 1,889,747; Dec. 6.

Gallagher, Walter J., Cincinnati, Ohio. Toy. Re18,320; Jan. 5.

Gallahan, Walter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Kerr cell. 1,872,215; Aug. 23.

Gallaher, Andrew J., St. Louis, Mo. Boiler. 1,886,387; Nov. 8.

Galland, Frank C., Big Creek, Calif. Coin operated time switch. 1,854,185; Apr. 19.

Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Liquid level. 1,885,428; Nov. 1.

Gallay, Georges, Le Sentier, Switzerland. Finishing time piece balance wheels. 1,867,771; Jul. 19.

Galle, Ernst, Ludwigshafen-on-the-Rhine, and G. Hofmann and H. Zorn, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrocarbons of low boiling point. 1,854,146; Apr. 12.

Gallilher, Norman, Cleveland, Ohio. Window curtain rod guide. 1,891,808; Dec. 20.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Boring machine. 1,858,491; May 17.

Gallimore, Keith F., Fond du Lac, Wis., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,862,215; June 7.

Gallinant, Raphael C., Ridgefield Park, N. J. Automatic stop and compensating strut for hand propelled vehicles. 1,891,958; June 21.

Gallinant, Raphael C., Ridgefield Park, N. J. Steering wheel switch clip. 1,873,769; Sept. 20.

Gallisel, Clarence P., assignor to Container Corporation of America, Chicago, Ill. Carton. 1,885,906; Nov. 1.

Gallman, Charles E., J. Harshaw, and F. S. Haire, Tulsa, Okla., assignors, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Jar-up rope knife. 1,855,853; Apr. 26.

Gallmeyer and Livingston Company. (See De Koning, Jacob, assignor.)

Gallmeyer and Livingston Company. (See De Koning, J., and Antrim, assignors.)

Galloghy, Michael J. (See Maas, George H., assignor.)

Galloway, Charles W., Baltimore, Md. Cooling passenger cars in stations or buildings, 1,845,403; Mar. 29.

Galloway Engineering Company Limited. (See Greening, H. B., and Galloway, assignors.)

Galloway, Howard L., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator cotter and mode of use, 1,891,708; Dec. 20.

Galloway, James W. (See Greening, H. B., and Galloway.)

Galloway, James W., assignor to Automatic Humidifier Company, Cedar Falls, Iowa. Removable gravity-locking damper for humidifiers, 1,845,083; Feb. 16.

Galloway, Leslie D. (See Fargher, R. G., Galloway, and Probert.)

Galloway, Leslie W., Indianapolis, Ind. Stocking drier attachment, 1,889,198; Nov. 29.

Galloway, Robert M., and J. M. Meloy, assignors to The National Automatic Tool Company, Richmond, Ind. Universal joint, 1,843,764; Feb. 2.

Gallsworthy, Benjamin, Bayonne, N. J., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Distilling material in contact with porous substances, 1,860,890; May 31.

Gallsworthy, Benjamin, Bayonne, N. J., assignor to The Texas Company, New York, N. Y. Cutting oil, 1,874,956; Aug. 30.

Gallup, David L., assignor to Bendix Brake Company, South Bend, Ind. Brake, 1,875,374; Sept. 6.

Gallup, David L., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe, 1,876,140; Sept. 6.

Galt, Pierce R., Marchantville, N. J. Dispensing device, 1,859,964; May 24.

Galt, Pierce R., Merchantville, N. J. Razor, 1,882,007; Oct. 11.

Galusha, Albert L., Caldwell, N. J. Self-clearing grate, 1,891,809; Dec. 20.

Galusha, Albert L., Caldwell, N. J. Furnace, 1,862,477; June 7.

Galvin Bros. Steel Wool and Manufacturing Company. (See Galvin, Bros. Brake.)

Galvin, George B., assignor to Galvin Bros. Steel Wool and Manufacturing Company, Louisville, Ky. Dust catcher air filter, 1,875,578; Aug. 23.

Galvin, Michael J., assignor of forty-nine per cent to A. P. Reid and D. D. Bennett, Toronto, Ontario, Canada. Puncture sealing device for pneumatic tires and other gas filled cushions, 1,891,975; Dec. 27.

Gamba, Francesco, New York, N. Y., assignor to Gamba Marine Salvage Corporation. Salvaging apparatus, 1,859,410; May 24.

Gamba Marine Salvage Corporation. (See Gamba, Francesco, assignor.)

Gambee, Martin H., Pawling, N. Y. Furniture, 1,888,663; Nov. 22.

Gamble, David E., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch, 1,839,959; Jan. 5.

Gamble, David E., Detroit, Mich., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch, 1,858,852; Oct. 18.

Gamble Hinged Music Co. (See Bergh, Edwin H., assignor.)

Gamble, John, Waukegan, Ill. Faucet and the like, 1,887,677; Nov. 15.

Gamble, Kent P., Schenectady, N. Y., assignor to General Electric Company. Film magazine, 1,878,693; Sept. 20.

Gamel, Harvey W. (See Hopkins, D., and Gamel.)

Games, Archibald H., assignor to McCrady, Rodgers Company, Pittsburgh, Pa. Display card, 1,889,438; Nov. 29.

Gamewell Company, The. (See King, George E., assignor.)

Gammon, William A., and D. G. Knox, assignors, by mesne assignments, to Jordan & Taylor, Inc., Los Angeles, Calif. Apparatus for pumping a plurality of oil wells, 1,849,276; Feb. 2.

Gammeter, John R. (See Engstrom, Ernest P., assignor.)

Gammeter, John R. (See Perks, George W., assignor.)

Gammeter, John R., Akron, Ohio. Method and apparatus for making inner tubes or the like, 1,841,886; Jan. 19.

Gammeter, John R., Akron, Ohio. Method and apparatus for making thread rubber, 1,846,253; Feb. 23.

Gammeter, John R., Akron, Ohio. Dipped rubber goods, 1,848,164; Mar. 8.

Gammeter, John R., Akron, Ohio. Vulcanizing apparatus, 1,849,828; Mar. 15.

Gammeter, John R., Akron, Ohio. Pipe coupling, 1,861,211; May 31.

Gammeter, John R., Akron, Ohio. Method of vulcanizing, stripping, and finishing dipped rubber goods, 1,870,775; Aug. 9.

Gammeter, John R., Akron, Ohio. Method and apparatus for curing solid tires, 1,870,805; Aug. 9.

Gammeter, John R., Akron, Ohio. Mold filling machine, 1,891,088; Dec. 13.

Gammeter, John R., Akron, Ohio, assignor to Thermo Process, Inc. Rubber ring or band and making the same, 1,841,407; Jan. 19.

Gamon, Ernest E., Prince Bay, N. Y. Water meter, 1,848,419; Mar. 8.

Gamon, Ernest E., Prince Bay, N. Y. Water meter, 1,851,506; Mar. 29.

Gamper, Oscar. (See Haner, C., and Gamper.)

Gams, Alphonse, and G. Widmer, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products of formaldehyde and carbamides and making same, 1,854,896; Apr. 19.

Gams, Alphonse, G. Widmer, and K. Frey, assignors to "Society of Chemical Industry in Basle", Basel, Switzerland. Manufacture of condensation products from formaldehyde, thiourea, and urea, 1,890,033; Dec. 6.

Gandolfo, Alfonso, and B. Lemandri, Brooklyn, N. Y. Ornamental valance, 1,846,618; Mar. 8.

Ganes, Hakon A. (See Anderson, V. E., Kilde, and Ganes.)

Ganes, Hakon A., and W. Kilde, Tacoma, Wash. Rossing machine, 1,881,465; Oct. 11.

Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser, Maschinenfabrik - Aktiengesellschaft, Stuttgart - Cannstatt, Germany. Machine for closing filled bags, 1,843,449; Feb. 2.

Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser, Maschinenfabrik - Aktiengesellschaft, Stuttgart - Cannstatt, Germany. Device for introducing folding boxes in packing machines, 1,848,707; Mar. 8.

Gangloff, Wilmer C. (See Adams, E. M., Gangloff, and Spencer.)

Gangloff, Wilmer C., assignor to The Drackett Chemical Company, Cincinnati, Ohio. Cleanser for aluminum, 1,870,311; Aug. 9.

Gangloff, Wilmer C., assignor to The Drackett Chemical Company, Cincinnati, Ohio. Cleanser for household use, 1,870,312; Aug. 9.

Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Casting readily oxidizable metals, 1,871,315; Aug. 9.

Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Purifying light metal, 1,871,316; Aug. 9.

Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Metallic powder and making, 1,871,340; Aug. 16.

Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium-manganese-zinc alloys, 1,880,251; Nov. 1.

Gann, John A., and F. L. Reynolds, assignors to The Dow Chemical Company, Midland, Mich. Magnesium base alloys, 1,885,429; Nov. 1.

Gann, John A., and M. E. Brooks, assignors to The Dow Chemical Company, Midland, Mich. Casting freely oxidizable metal, 1,885,430; Nov. 1.

Gann, John A., and W. H. Gross, assignors to The Dow Chemical Company, Midland, Mich. Treating magnesium and product obtained, 1,885,457; Nov. 22.

Gann, Robert T. (See Huston, Samuel W., assignor.)

Gannett, Danforth K., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, Talking moving picture system, 1,850,130; Mar. 22.

Gannon, George H. P., assignor to The Heald Machine Company, Worcester, Mass. Work head for grinding machines, 1,839,546; Jan. 5.

Gannon, Irving J., Willoughby, and G. E. Linn, assignors to The Ohio Boxboard Company, Hittman, Ohio. Cutting die for slotting machines, 1,861,915; June 7.

Gannon, James E., and J. M. Winter, assignors to American Electric Heating Company, Erie, Pa. Electric control apparatus, 1,858,700; May 17.

Gannon, Thomas E. (See Muzzy, C. J., and Gannon.)

Gano, Harlan S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism, 1,881,466; Oct. 11.

Ganoung, Samuel L. and C. R. Young, Denver, Colo. Automobile seat, 1,846,548; Feb. 23.

Gans, Gussie, assignor to Associated Merchandising Corporation, New York, N. Y. Dress, Des. 86,018; Jan. 19.

Ganson, Jesse L., Wallace, Kans. Foldable stand for musical instruments, 1,890,729; Dec. 13.

Ganster, Joseph A., Philadelphia, Pa. Making bearing rings, 1,854,897; Apr. 19.

Gant, Harris P., Philadelphia, Pa., assignor, by mesne assignments, to Carrier Research Corporation, Newark, N. J. Apparatus for cooling air, 1,860,357; May 31.

Ganter, Henry C., Natrona, Pa., assignor to Atlantic Bottle Company. Glass making machine, 1,878,485; Sept. 20.

Gantner & Mattern Company. (See Upland, Theodore R., assignor.)

Gantner, Frank J., assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic film cartridge, 1,858,585; May 17.

Ganz, Albert G., Union City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for coupling lines of different impedances, 1,853,969; Apr. 12.

Ganz, Albert G., Union City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission, 1,874,492; Aug. 30.

Ganz, William, Chicago, Ill., assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Lock device, 1,881,467; Oct. 11.

Garand, John C., Springfield, Mass. Follower, 1,859,558; May 24.

Garand, John C., Springfield, Mass. Semiautomatic rifle, 1,892,141; Dec. 27.

Garbe, Edmund M., Aurora, Ill., assignor to Barber-Greene Company. Sifter control, 1,840,029; Jan. 5.

Garbe, Lowry, Ozone Park, N. Y. Window lock. 1,862,568; June 14.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine. 1,840,877; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine. 1,841,104; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Ribbon vibrating mechanism. 1,841,105; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriter line space mechanism. 1,841,106; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine. 1,841,107; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Escapement mechanism for typewriters. 1,841,108; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriter carriage mechanism. 1,841,109; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriter. 1,841,110; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriter line lock and margin release. 1,841,111; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Geared type-bar action mechanism for typewriters. 1,841,112; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine. 1,841,113; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine frame. 1,841,114; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine action. 1,841,115; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriter paper feed mechanism. 1,841,116; Jan. 12.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Type bar mechanism. 1,848,165; Mch. 8.

Garber, Charles N. (See Hampton, W. C., and Garber.)

Garber, Harry D., Cuyahoga Falls, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail door locking mechanism. 1,840,623; Jan. 12.

Garber, Harry D., Cuyahoga Falls, and W. W. Meier, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail door construction. 1,856,756; Apr. 26.

Garber, Harry D., Cuyahoga Falls, and W. W. Meier, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail door control device. 1,864,347; June 21.

Garber, Leslie H., R. G. Hall, and C. Blackwood, Denver, Colo., assignors to American Telephone and Telegraph Company. Arrangement for producing modulated currents. 1,867,663; July 19.

Garber Tool Company. (See Failing, George E., assignor.)

Garber Tool Company, bankrupt. (See Chambers, Ira L., assignor.)

Garbsch, Paul. (See Ebert, G., Fries, and Garbsch.)

Garbutt, Frank A. (See Hatherell, George A., assignor.)

Garbutt, Frank A., Los Angeles, Calif. Forming chewing gum. 1,852,005; Apr. 5.

Garbutt, Frank O. (See Ingman, T. M., Garbutt, and Barkelew.)

Garbutt, Frank E., and T. M. Ingman, Los Angeles, Calif., assignors to Eastman Kodak Company. Method and apparatus for recovering silver from fixing solutions. 1,866,701; July 12.

Garbutt, Frank E., and T. M. Ingman, assignors, by mesne assignments, to Paramount Publix Corporation, Los Angeles, Calif. Sound picture printer. 1,881,468; Oct. 11.

Gard, Earle W. (See Black, J. C., and Gard.)

Gardella, Albert B., Cleveland, Ohio. Brake mechanism. 1,876,286; Sept. 6.

Gardiner, Arthur W., assignor to General Motors Research Corporation, Detroit, Mich. Combustion chamber for internal combustion engines. 1,865,849; July 5.

Gardiner, Arthur W., and J. Hudlik, assignors to General Motors Research Corporation, Detroit, Mich. Planetary friction transmission. 1,867,553; July 19.

Gardiner, Frank O., Alma, Mich. Furniture construction. 1,844,753; Feb. 9.

Gardiner, Henry C., assignor to Anaconda Copper Mining Co., Anaconda, Mont. Method and product for preserving timber. 1,859,203; May 17.

Gardiner, Llon, Lakewood, assignor to The Jaeger Machine Company, Columbus, Ohio. Road rolling machine. 1,874,957; Aug. 30.

Gardiner, Nell E., Cuyahoga Falls, and G. B. Nichols, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Valve nut and insides assembling machine. 1,846,638; Feb. 23.

Gardiner, Paul C., Oakland, Calif., assignor to General Electric Company. Grid connection for electric discharge devices. 1,871,409; Aug. 9.

Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Transmitting system. 1,888,077; Nov. 15.

Gardiner, Robert E., Golden Stream, Manitoba, assignor of one-fourth to B. C. Mills, Winnipeg, Manitoba, Canada. Calf feeder. 1,889,469; Nov. 29.

Gardiner, Robert F. (See Walton, G. P., and Gardiner.)

Gardner, Archibald D., Jackson, Mich., assignor to Automotive Fan & Bearing Co. Fan. 1,868,008; July 19.

Gardner, Archibald D., Jackson, Mich., assignor to Automotive Fan & Bearing Company. Fan. 1,868,528; July 26.

Gardner, Archibald D., Jackson, Mich., assignor to Automotive Fan & Bearing Co. Automotive fan bearing. 1,870,993; Aug. 9.

Gardner Broom Company. (See Mahoney, John P., assignor.)

Gardner, Clarence V., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder piston. 1,889,857; Dec. 6.

Gardner, Clyde (deceased), by E. B. Gardner, administratrix, assignor, by mesne assignments, to Gardner Company, Ebensburg, Pa. Calculating machine. 1,864,193; June 21.

Gardner, Clyde, deceased, by E. B. Gardner, administratrix, assignor, by mesne assignments, to Gardner Company, Ebensburg, Pa. Calculating machine. 1,867,002; July 12.

Gardner, Clyde, deceased, by Edna B. Gardner, administratrix, assignor, by mesne assignments, to Gardner Company, Ebensburg, Pa. Calculating machine. 1,874,700; Aug. 30.

Gardner Company. (See Gardner, Clyde, assignor.)

Gardner, Cummings, Los Angeles, Calif. Combined cigarette case and lighter. 1,867,243; May 10.

Gardner, Delamere B., Los Angeles, Calif. Liquid prism. 1,877,744; Sept. 13.

Gardner, Delamere B., Los Angeles, Calif. Apparatus for controlling and directing light. 1,892,142; Dec. 27.

Gardner-Denver Company. (See Carpenter, Ivan S., assignor.)

Gardner-Denver Company. (See Clark, Omar E., assignor.)

Gardner-Denver Company. (See Downing, Edwin, J., assignor.)

Gardner-Denver Company. (See Gustafson, Hjalmer C., assignor.)

Gardner-Denver Company. (See Katterjohn, August H., assignor.)

Gardner-Denver Company. (See MacFadden, George J., assignor.)

Gardner-Denver Company. (See Pearson, Gustav C., assignor.)

Gardner-Denver Company. (See Pearson, G. C., Croft, and Carpenter, assignors.)

Gardner-Denver Company. (See Sheets, Barton R., assignor.)

Gardner, Denver Company. (See Terry, Edward F., jr., assignor.)

Gardner, Earl W., and D. H. Felder, Jefferson County, Tex., assignors to The Texas Company, New York, N. Y. Plastic composition. 1,883,683; Oct. 18.

Gardner, Edna B., administratrix. (See Gardner, Clyde.)

Gardner, Florinda, assignor, by mesne assignments, to B. N. Bentley, Tampa, Fla. Women's garment. 1,851,826; Mar. 29.

Gardner, Francis W. (See Parsons, C. A., Carnegie, and Gardner.)

Gardner Freezer Corporation. (See Gardner, J. H., and C. Sawtelle, assignors.)

Gardner, George D., San Jose, assignor to Gardner Manufacturing Company, Ltd., Sunnyvale, Calif. Fruit processor. 1,871,507; Aug. 16.

Gardner, George D., San Jose, assignor, by mesne assignments, to Barron Gray Packing Company, San Jose, Calif. Stem remover. 1,876,051; Sept. 6.

Gardner, George D., assignor to Barron Gray Packing Company, San Jose, Calif. Artichoke trimming and coring machine. 1,886,388; Nov. 8.

Gardner, George H., assignor to The Menasha Products Company, Chicago, Ill. Cutter box and making the same. 1,855,854; Apr. 26.

Gardner, George H., assignor to The Menasha Products Company, Chicago, Ill. Paper napkin. 1,880,345; Oct. 4.

Gardner & Harvey Company, The. (See Harvey, Arthur R., assignor.)

Gardner, Henry A., Washington, D. C. Delustered regenerated cellulose. 1,864,426; June 21.

Gardner, Henry A., Washington, D. C. Regenerated cellulose films and sheets. 1,864,427; June 21.

Gardner, Henry A., Washington, D. C. Manufacture of cellulosic materials. 1,864,428; June 21.

Gardner, Henry A., Washington, D. C. Metallic conduit. 1,871,508; Aug. 16.

Gardner, Henry A., Washington, D. C. Resin composition suitable for the production of films. 1,887,678; Nov. 15.

Gardner, Henry A., Laboratory, Inc. (See Bielouss, Elias, assignor.)

Gardner, John E., Clarendon Hills, Ill. Automatic telephone system. 1,870,621; Aug. 9.

Gardner, John E., assignor to Grigsby-Grunow Company, Chicago, Ill. Talking machine. 1,852,877; Apr. 5.

Gardner, John E., assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,852,878; Apr. 5.

Gardner, John E., Clarendon Hills, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. Re18,686; Dec. 6.

Gardner, John H., and C. A. Sawtelle, Detroit, Mich., assignors to Gardner Freezer Corporation, Lancaster, Ohio. Ice-cream freezer. 1,861,082; May 31.

Gardner, John R. (See Swanson, J., and Gardner.)

Gardner, Joseph and J. H. S., assignors to L. Gardner & Sons Limited, Patricroft, near Manchester, England. Oil filter. 1,878,630; Sept. 20.

Gardner, Joseph H. S. (See Gardner, Joseph and J. H. S.)

Gardner, L., & Sons Limited. (See Gardner, Joseph, and J. H. S., assignors.)

Gardner, Leland A. (See Singer, F. J., and Gardner.)

Gardner Machine Company. (See Hughes, Davydd C., assignor.)

Gardner Manufacturing Company. (See Gardner, George D., assignor.)

Gardner, Prince A., jr., St. Louis, Mo. Bill fold. Des. 87,256; June 28.

Gardner, Prince A., jr., St. Louis, Mo. Bill fold. Des. 87,887; Sept. 27.

Gardner, Prince A., jr., St. Louis, Mo. Bill fold. Des. 87,838; Sept. 27.

Gardner, Prince A., jr., St. Louis, Mo. Key case. 1,857,146; May 10.

Gardner, Prince A., jr., University City, Mo. Bill fold. 1,865,826; July 5.

Gardner Screw Corporation. (See Hoglund, Theodore J., assignor.)

Gardner, Stonewall J., New Albany, Ind. Traveling ripsaw machine. 1,859,476; May 3.

Gardner, Thomas P., Fort Arthur, Tex., assignor to The Texas Company, New York, N. Y. Combination inflow-controlling and fluid-discharge means. 1,877,292; Sept. 13.

Gardner Toy Company. (See Gardner, William E., assignor.)

Gardner, William A., New York, N. Y. Badge for Spanish war veterans. Des. 87,962; Oct. 18.

Gardner, William E., assignor to Gardner Toy Company, Inc., Watertown, Mass. Toy balloon. Des. 87,663; Aug. 30.

Gardner, Willis W., Meriden, Conn. Pneumatic stopper for gas mains. 1,860,855; May 31.

Gareau, Noah J., administrator. (See Keogh, Lucius R.)

Garelli, Adalberto, Milan, Italy. Starting device for internal combustion engines. 1,887,902; Nov. 15.

Garey, John P., Elmira Heights, and L. B. Hasbrouck, assignors to Holdip Textile Co., Inc., Elmira, N. Y. Method and apparatus for dyeing yarn. 1,841,024; Jan. 12.

Garfield, Lewis E. (See Baggett, H. T., and Garfield.)

Garfield, Lewis E. (See Scott, F. L., and Garfield.)

Garfield Manufacturing Company. (See Downing, John B., assignor.)

Garfinkel, Harry, assignor to himself and G. and G. A. Ritter, as copartners, consisting of the Firm of Garfinkel & Ritter, New York, N. Y. Garment. 1,877,745; Sept. 13.

Garfinkel & Ritter. (See Garfinkel, Harry.)

Garfinkl, Nathaniel, New York, N. Y. Textile fabric or the like. Des. 88,454; Nov. 29.

Garfinkle, David, Alameda, Calif. Tag holder. 1,856,545; May 3.

Gargan, John O., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fluid operated switch. 1,847,036; Mar. 1.

Gargan, John O., Brooklyn, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Remote control device. 1,855,569; June 14.

Gargano, Frank J., Brooklyn, N. Y. Envelope opener. 1,871,509; Aug. 16.

Gargiulo, Richard, New York, N. Y. Hydro-cycle. 1,869,139; July 26.

Garibaldi, Giuseppe, Stamford, Conn., assignor to Fuel Oil Carburetion Co. Inc., New York, N. Y. Fuel feed for internal combustion engines. 1,877,655; Sept. 13.

Garis, Jay H., Lansdale, Pa. Intermittent operator for sales machines. 1,856,038; Apr. 26.

Garis, Martha B. (See Garis, N. D. and M. B.)

Garis, Noah D. and M. B., Philadelphia, Pa. Hydraulic shock absorber. 1,845,911; Feb. 16.

Garisio, Theodore J., Allentown, Pa. Loom. 1,840,892; Jan. 12.

Garl, Lennie, executrix. (See Garl, Manious.)

Garl, Manious, deceased, Akron, Ohio; L. Garl, executrix. Punch register for recording electrically transmitted signals, etc. 1,879,175; Sept. 27.

Garland, Charles S., T. E. Beacham, and J. A. Pickard, London, England. Apparatus for purifying used lubricating oil and the like. 1,866,970; July 12.

Garland, James. (See Dugger, George F., assignor.)

Garland, William L., Llanerch, Pa., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Car heating system. 1,883,896; Oct. 25.

Garlick, Mark J., Chicago, Ill., assignor to Challenge Machinery Company, Grand Haven, Mich. Printer's hook. 1,839,669; Jan. 5.

Garling, Karl E., Newark, N. J. Manufacturing paper sip-straws. 1,854,297; Apr. 19.

Garling, Rosner A., Lansing, and J. T. Ott, Detroit, assignors to Reo Motor Car Company, Lansing, Mich. Method and apparatus for electroplating. 1,880,382; Oct. 4.

Garringer, Marshall T. (See Pitts, F. B., Garlinger and Smith.)

Garlock Packing Company. (See Hubbard, Cecil R., assignor.)

Garlock Packing Company, The. (See Hubbard, C. R., and Pullman, assignors.)

Garlock Packing Company, The. (See Hubbard, C. R., and Waples, assignors.)

Garlutzes, Charles S., Ludlow, Colo. Dispensing device. 1,865,907; Nov. 1.

Garman, William. (See Liberman, Charles, assignor.)

Garment Steamer Company of America. (See Lendle, C. R.)

Garner-Denver Company. (See Pearson, Gustav C., assignor.)

Garner, Herman H., F. R. Nohavec, Claremont, and G. H. Hopkins, Pasadena, Calif., assignors to Vortox Manufacturing Company, Claremont, Calif. Air cleaner. 1,881,949; Oct. 4.

Garner, Kenneth C., Hamlet, N. C. Pants rack. 1,886,389; Nov. 8.

Garner, Kenneth C., Hamlet, N. C. Pants rack. 1,886,390; Nov. 8.

Garnett, Cuthbert V. H. (See Smith, W. S., and Garnett.)

Garnett, Henry J. (See Smith, W. S., Garnett, and Dean.)

Garnier, Abel J. M., Saint-Ouen, assignor to A. Vallet, Paris, France. Supporting device for vehicles. 1,883,105; June 14.

Garno, George E. (See Heald, R. N., Guild, Burns, and Garno.)

Garno, George E., assignor to The Heald Machine Company, Worcester, Mass. Chuck. 1,862,216; June 7.

Garrard Engineering & Manufacturing Company, The. (See Offen, James H., assignor.)

Garrard, George B. (See Baasb, L. F., Burns, and Garrard.)

Garreau, Louis. (See Barendse, S., and Garreau.)

Garrett, Francis A., assignor to Ransomes, Sims & Jefferies, Limited, Ipswich, England. Brake mechanism for the wheels of road vehicles. 1,874,180; Aug. 30.

Garrett, Francis A., assignor to Ransomes, Sims & Jefferies, Limited, Orwell Works, Ipswich, England. Universal joint. 1,889,479; Nov. 29.

Garrett, Grady W., Houston, Tex. Pit cover for toilets. 1,840,709; Jan. 12.

Garrett, Horatio B., Orange Park, Fla. Evacuator for liquid containers. 1,847,178; Mar. 1.

Garrett, John D., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Plural switch operating means. 1,894,332; Dec. 6.

Garrett, Margaret, Detroit, Mich. Knife. Des. 88,766; Dec. 27.

Garrett, Neal, Glendale, Calif. Building walls. 1,841,581; Jan. 19.

Garrett, Neal, Glendale, Calif. Building walls. 1,841,586; Jan. 19.

Garrett, Neal, Glendale, Calif. Building wall construction. 1,842,348; Jan. 19.

Garrett, Richard M., Yonkers, N. Y. Canning milk and other products. 1,858,947; May 17.

Garrett, W. F. (See Garrett, William L., assignor.)

Garrett, William, Beckley, W. Va. Straightening tool for sheet metal. 1,883,684; Oct. 18.

Garrett, William L., Los Angeles, assignor of one-fourth to W. F. Garrett, Oakland, Calif. Collapsible crate. 1,869,927; June 14.

Garrigan, Frank A. (See Dawson, J. W., and Garrigan.)

Garris, Bernard J., Wilmington, Del. Spring or resilient wheel. 1,846,958; Feb. 23.

Garrison, Allen Darnell, Houston, Tex. Automobile transmission. 1,886,003; Nov. 1.

Garrison, Clarence W., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification. 1,850,388; Mar. 22.

Garrison, Daniel P. (See Esary, J. D., and Garrison.)

Garrison, Forrest C., assignor to Oscar C. Rixon Co., Chicago, Ill. Threshold. Des. 86,952; May 17.

Garrison, Forrest C., Evanston, assignor to The Oscar C. Rixon Co., Chicago, Ill. Transom window operating means. 1,843,949; Feb. 9.

Garrison, Patrick C., Wheeling, W. Va. Self-folding top for rumble seats. 1,889,827; Dec. 6.

Garrow, James A. (See Goenen, L. E., and Garrow.)

Garrow, James A., assignor to The Pritz-Cross Company, St. Paul, Minn. Chair. 1,848,338; Mar. 8.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 1,860,736; May 31.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Tool mounting. 1,862,925; June 14.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,862,926; June 14.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,884,648; Oct. 25.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,884,649; Oct. 25.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,884,650; Oct. 25.

Gartin, Elmer G., Claremont N. H., assignor to Sullivan Machinery Company. Rock drill. 1,884,651; Oct. 25.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,884,652; Oct. 25.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Demolishing pick. 1,884,653; Oct. 25.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,892,549; Dec. 27.

Gartner, Owen J. (See McMaster, C. L., and Gartner.).

Garton, Charles G., (See Warren, H. W. H., Garton, and Smith.).

Garton, Charles G., Rugby, England, assignor to General Electric Company. Electric circuit controlling device. 1,861,628; June 7.

Garton, Joseph G., New York, N. Y. Refreshment wagon. Des. 88,642; Dec. 13.

Garton, Joseph G., New York, N. Y. Refreshment wagon. Des. 88,706; Dec. 20.

Garvey, Edward S., Clayton, Mo. Fountain brush. 1,865,950; July 5.

Garvey, James, Los Angeles, Calif. Method and apparatus for dividing dough into uniform weights. 1,840,578; Jan. 12.

Garvey, Wallace E., assignor to Salem Glass Works, Salem, N. J. Jar or similar container. Des. 87,951; May 31.

Garwood, Charles R., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Closure for bottles, jars, and the like. 1,842,261; Jan. 19.

Gary, Francis P., assignor to Chain Belt Company, Milwaukee, Wis. Endless traveling water screen. 1,856,381; May 3.

Gary, Lee J., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting oils. 1,848,875; Mar. 8.

Gary, Lee J., assignor to Universal Oil Products Company, Chicago, Ill., for converting oils. 1,848,876; Mar. 8.

Gary Structural Steel Company. (See Bates, Walter A., assignor.)

Gas Machineries Company. (See Levin, Isaac H., assignor.)

Gas Light & Coke Company, The. (See Masterman, Cyril A., assignor.)

Gas Machinery Company, The. (See Hamlink, Lazenby C., assignor.)

Gas Machinery Company, The. (See Harmon, Benjamin G., assignor.)

Gas Machinery Company, The. (See Kleinman, Harold A., assignor.)

Gas Machinery Company, The. (See Russell, Walter M., assignor.)

Gas Research Company. (See Smith, Harry F., assignor.)

Gas Tool Patents Corporation. (See Mould, James A., assignor.)

Gasch, Fred G., Seattle, Wash. Electric heater. 1,868,497; Nov. 22.

Gascoigne, George H. (See Knox, Joseph R., assignor.)

Gascoin, George W., Jersey City, N. J. Rope-saving sling thimble. 1,862,478; June 7.

Gascon, Salvador J. (See Bahima Puig, J. M., and Gascon.)

Gasifier Company, The. (See Reichelm, George L., assignor.)

Gaskell, Joseph, St. Helens, assignor to Pilkington Brothers, Limited, Liverpool, England. Manufacture of wire net glass and apparatus therefor. 1,892,488; Dec. 27.

Gaskill, Earl C., Red Bank, N. J., deceased; J. V. Gaskill, administratrix. Zinc sulphide and manufacture thereof. 1,849,453; Mar. 15.

Gaskill, Joseph I. (See Farrell, J. E., and Gaskill.)

Gaskill, Julia V. administratrix. (See Gaskill, Earl C.)

Gaskin, Edward R., assignor of one-third to A. H. Jackson and P. T. Hoehn, Buffalo, N. Y. Apparatus for treating paper with vapor preparatory to printing thereon. 1,863,964; Oct. 18.

Gaskins, Ernest, City Point, Hopewell, Va., assignor to United States Gypsum Company, Chicago, Ill. Chemical printing. 1,871,683; Aug. 16.

Gaskins-Keith Company, The. (See Keith, Henry M., assignor.)

Gasmesser, B. M., Aktiengesellschaft. (See Brandl, H., and Marischka, assignors.)

Gasoline Products Company. (See Black, John C., assignor.)

Gasoline Products Company. (See Cross, Roy, assignor.)

Gasoline Products Company. (See Cross, Walter M., assignor.)

Gasoline Products Company. (See Davis, Albert G., assignor.)

Gasoline Products Company. (See Keith, Percy C., jr., assignor.)

Gasoline Products Company. (See Snelling, Walter O., assignor.)

Gasoline Products Company, Inc. (See Howard, F. A., and Loomis, assignors.)

Gaspari, J., & Company, Inc. (See Gaspari, Joseph, assignor.)

Gaspari, J., & Company. (See Iobenstein, Walter, assignor.)

Gaspari, Joseph, assignor to J. Gaspari & Company, Inc., New York, N. Y. Collapsible eye glass frame. 1,892,642; Dec. 27.

Gasper, John, Chicago, Ill., assignor to Liggett & Myers Tobacco Company, New York, N. Y. Automatic can feeder. 1,862,479; June 7.

Gassan, Arthur, Berlin-Frohnau, and P. Ruck, Berlin, Germany; said Ruck assignor to said Gassan. Casting mold for manufacturing zinc containers for galvanic elements, batteries, or the like. 1,856,382; May 3.

Gassel, Gavil, Highland Park, assignor to D. Segal, Detroit, Mich. Bathing suit. 1,858,741; July 26.

Gassen, Josef, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Shear for use in rolling mills, etc. 1,856,546; May 3.

Gassett, Henry L. (See Cox, T. K., and Gassett.)

Gassmann, August, Cleveland, Ohio. Holding and adjusting a drill bit while the same is being sharpened. 1,856,829; May 3.

Gassner, Alfred A., assignor to General Aviation Corporation, New York, N. Y. Lateral control for airplanes. 1,856,157; May 3.

Gassner, Sebastian, and F. Baumann, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparing 1,4-diaminoanthraquinone. 1,856,212; May 3.

Gassner, Sebastian, Leverkusen-on-the-Rhine, and B. Bienert, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of alkoxybenzophenone (di- or tricarboxylic acids. 1,865,096; June 28.

Gassner, Sebastian, Leverkusen-on-the-Rhine, and B. Bienert, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of 1-hydroxy- or 1-alkoxy anthraquinone-3-carboxylic acids. 1,867,069; July 12.

Gasstrom, Herman M. (See Kill, Vincent P., assignor.)

Gasterstädt, Johannes, assignor to Hugo Junkers, Dessau, Germany. Hydraulic clutch. 1,883,685; Oct. 18.

Gaston, Nathan F., Gulfport, Miss. Carburetor. 1,850,264; Mar. 22.

Gastongunay, Antonio, New York, and G. Puller, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Support. 1,854,832; Apr. 19.

Gastongunay, Antonio, and G. Puller, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motion picture projector. 1,881,469; Oct. 11.

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Yarn carrier. 1,887,928; Nov. 15.

Gastrich, Gustav, Wyomissing, and M. Richter, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Adjustable stop for thread carrier rods. 1,891,472; Dec. 20.

Gastwirth, Louis, Bronx, N. Y. Aeroplane construction. 1,882,416; Oct. 11.

Gatchell, Frederick D., Binghamton, N. Y. Machine for labeling bottles. 1,877,843; Sept. 20.

Gatchell, Helen C. assignor to Visible Night-and-Day Street-Name Signs, Incorporated, Chicago, Ill. Street sign. 1,889,474; Aug. 2.

Gatchet, F. L., Inc. (See Gatchet, Francis L., assignor.)

Gatchet, Francis L., assignor to F. L. Gatchet, Inc., Seattle, Wash. Spraying device. 1,848,708; Mar. 8.

Gately, Martin H., Henderson, Nebr. Machine for grinding forage. 1,882,491; Oct. 11.

Gatensbury, Frederick C., Stoke-on-Trent, England. Drive for presses employed for shaping tiles and other articles. 1,856,096; May 3.

Gates, Charles C., Denver, Colo. Machine for making belts. 1,885,708; Nov. 1.

Gates, Charles C., Denver, Colo. Material rack. 1,889,546; Nov. 29.

Gates, Clarence A., Westborough, Mass. Pole guard. 1,878,126; Sept. 20.

Gates, Frederic P., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Plug receptacle. 1,891,153; Dec. 13.

Gates, Louis W., New Haven, Conn. Threading die. 1,843,950; Feb. 9.

Gates, Nina C., Old Saybrook, Conn. Article holder. 1,856,847; May 3.

Gates Rubber Company, The. (See Bacon, Henry M., assignor.)

Gat Gun Lubricating Corporation. (See MacKenzie, Philip, assignor.)

Gathmann, Emil, Baltimore, Md. Ingot mold. 1,890,777; Dec. 13.

Gathmann, Emil, Baltimore, Md. Ingot. 1,892,569; Dec. 27.

Gatter, Rudolph, assignor to J. F. Meyer, Chicago, Ill. Amusement machine. 1,868,742; July 26.

Gatti, Joseph. (See Mursch, John, assignor.)

Gattle, Charles, New York, N. Y. Automatic safety wheel lock for vehicles. 1,844,818; Feb. 9.

Gattie, Charles. New York, N. Y. Automatic safety wheel lock for vehicles. 1,880,129; Sept. 27.

Gatto, Ferdinando, et al. (See Foti, Charles, assignor.)

Gatton, Walter C., Seattle, Wash. Shaving aid. 1,869,057; July 26.

Gattrell, William S., Alamo, Vera Cruz, Mexico. Packing device. 1,853,855; Apr. 12.

Gattrell, William S., Less Summit, Mo. Well drilling equipment. 1,853,856; Apr. 12.

Gaty, Lee S., Columbus, Ohio. Method of and apparatus for making bread. 1,871,601; Aug. 16.

Gatyas, Louis W. (See Klarmann, E., and Gatyas.)

Gaubert, Edgar G., West Brighton, Staten Island, N. Y. Electric heater. 1,842,966; Jan. 26.

Gaubert, John Q., assignor to General Motors Radio Corporation, Dayton, Ohio. Variable condenser drive for radio apparatus. 1,858,581; Dec. 6.

Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Metallic vapor arc tube. 1,844,089; Feb. 9.

Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Device to prevent the occurrence of back-firing in mercury arc rectifiers. 1,844,090; Feb. 9.

Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric power rectifier cathode control. 1,847,646; Mar. 1.

Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Arc guide for metallic vapor rectifiers. 1,878,311; May 24.

Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Internal seal for mercury vapor rectifiers. 1,873,960; Aug. 30.

Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Vapor rectifier. 1,874,004; Aug. 30.

Gaudenzi, Arthur, Baden, and E. Kobel, Ennetbaden, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifier construction. 1,865,512; July 5.

Gaudin, Antoine M., Salt Lake City, Utah. Method of flotation. 1,879,371; Sept. 27.

Gaudin, James T., Birmingham, Ala. Belt fastening. 1,870,622; Aug. 9.

Gaudit. (See Martin, Jules.)

Gaudreau, Charles D., assignor to Bay State Tool & Machine Co., Springfield, Mass. Tapping device. 1,855,479; Apr. 26.

Gauger, Frank A., Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company. Safety pilot light. 1,886,876; Nov. 8.

Gauger, Frank A., and R. W. Johnson, Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Water heater appliance. 1,874,243; Apr. 26.

Gaugler, Richard S., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,865,513; July 5.

Gaul, Andrew, jr., Albany, N. Y. Air cooled grate. 1,851,425; Mar. 29.

Gaul, Arthur ... and L., Dixon, Ill. Door adjuster. 1,850,872; Mar. 22.

Gaul, Le Roy. (See Gaul, Arthur and L.)

Gault, Frank C., Lake Charles, La. Testing and cleaning wells. 1,888,315; Nov. 22.

Gault, Henry, and B. M. R. Angia, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Manufacture of cellulose esters. 1,882,531; Oct. 11.

Gault, John J., assignor to W. J. Newman Company, Chicago, Ill. Excavating bucket. 1,848,166; Mar. 8.

Gault, John J., assignor to W. J. Newman Company, Chicago, Ill. Drilling apparatus for large wells. 1,879,177; Sept. 27.

Gault, Joseph H., Sapulpa, Okla. Cuspidor for automobiles. 1,872,725; Aug. 23.

Gault, Paul M., St. Louis, Mo. Signaling system. 1,875,587; Sept. 6.

Gaunt, Floyd, M. B. Reynolds and R. C. Hughes, Anderson, Ind., Gaunt Gyro for Reynolds Gas Regulator Company. Automatic loading gas regulator. 1,839,547; Jan. 5.

Gaunholm, Emil O. E., Bellevue, Wash. Fuel briquette. 1,872,135; Aug. 16.

Gaus, Wilhelm, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for treating solid and liquid materials. 1,865,183; June 28.

Gauscho, Julius A., Racine, Wis. Land pulverizer and packer. 1,857,758; May 10.

Gause, Frederick T., Wilmington, Del. Tire chain. 1,878,841; Sept. 20.

Gauthier, Albert L., jr., and E. H. Mattocks, Chicago, assignors to The Norlipp Company, Chicago, Ill. Cigar and cigarette holder. 1,866,641; July 12.

Gauthier, Donat A., Detroit, Mich. Fuel feeding device. 1,853,970; Apr. 12.

Gautier, Trevor R., and H. E. Nichols, assignors to Nashua Gummed & Coated Paper Company, Nashua, N. H. Strip guiding and moistening means particularly adapted for use with strip serving mechanism. 1,856,628; May 3.

Gautschi, Frederick H., Van Nuys, Calif. Colonic excreta receptacle. Des. 87,915; Oct. 11.

Gautschi, Frederick H., Van Nuys, Calif. Colonic excreta receptacle. Des. 88,077; Oct. 25.

Gauvin, Henri, Ottawa, Ontario, Canada. Pipe bowl. 1,886,391; Nov. 8.

Gavard, George A., Index, Wash., assignor to Gavard Stone Saw Company. Stone saw. 1,889,983; Dec. 6.

Gavard Stone Saw Company. (See Gavard, George A., assignor.

Gavazza, George V., Quincy, Mass. Receptacle filling device. 1,891,639; Dec. 20.

Gavin, William H., San Jose, assignor to Pratt-Low Preserving Company, Santa Clara, Calif. Producing tomato juice. 1,874,181; Aug. 30.

Gavino, Heberto, Toluca, Mexico. Crude oil burner. 1,843,715; Feb. 2.

Gay, Aifred F., assignor to H. J. Lupien, Brockton, Mass. Spring shackle. 1,853,443; Apr. 12.

Gay, André M., West Newton, Mass. Waving hair. 1,851,541; Mar. 29.

Gay, André M., West Newton, Mass. Tool for giving a permanent wave to hair. 1,869,682; Aug. 2.

Gay, Azel. (See Gmelin, E. W., and Gay.)

Gay, Azel, assignor to Multipost Company, Rochester, N. Y. Envelope handling machine. 1,872,726; Aug. 23.

Gay, Azel, assignor to Multipost Co., Rochester, N. Y. Envelope handling machine. 1,877,842; Sept. 20.

Gay, Eugène, Lyon, France. Obtaining photographic images. 1,841,801. Jan. 19.

Gay, Frazer W., Newark, N. J. Main and auxiliary circuit for power generators. 1,843,920; Feb. 9.

Gay, Frazer W., Newark, N. J. Power system voltage regulator. 1,843,921; Feb. 9.

Gay, Frazer W., Newark, N. J. Adjustable speed electric motor drive. 1,843,922; Feb. 9.

Gay, Frazer W., Newark, N. J. Network reactor. 1,846,030; Feb. 23.

Gay, Frazer W., Newark, N. J. Electric power generation. 1,846,389; Feb. 23.

Gay, Frazer W., Newark, N. J. Power supply system. 1,849,518; Mar. 15.

Gay, Frazer W., Newark, N. J. Starting alternating current machinery. 1,849,519; Mar. 15.

Gay, Fraser W., Newark, N. J. Alternating current machine and starting means therefor. 1,870,287; Aug. 9.

Gay, Frazer W., Newark, N. J. Auxiliary motor control system. 1,872,926; Aug. 23.

Gay, Frazer W., Newark, N. J. Peak load generating station. 1,872,927; Aug. 23.

Gay, Frazer W., Newark, N. J. Varying electrical capacity. 1,880,346; Oct. 4.

Gay, Frazer W., Newark, N. J., assignor to General Electric Company. System of electrical distribution. 1,852,803; Apr. 5.

Gay, Gilman M., assignor to The Shoe Hardware Company, Waterbury, Conn. Manufacturing fasteners. 1,848,877; Mar. 8.

Gay, Joseph, and A. Brinker, Kinde, Mich. Poultry drinking fountain. 1,862,217; June 7.

Gay, Norman H., Los Angeles, Calif. Refrigerating system with liquid and gas traps. 1,878,694; Sept. 20.

Gay, Vincent B. (See Rogers, F. C., and Gay.)

Gay, Wilfrid, Concordia, Kans. Ironing board. 1,849,184; Mar. 15.

Gayan, John, Baltimore, Md. Braking system. 1,871,979; Aug. 16.

Gayan, John, Baltimore, Md. Safety hanger for brake beams. 1,871,980; Aug. 16.

Gayle, Dabney G., assignor to American Art Works, Inc., Coshocton, Ohio. Tray supporting device. 1,843,391; Feb. 2.

Gaylord Bros., Inc. (See Moulton, Lloyd W., assignor.)

Gaylord, Clifford W., assignor to Robert Gaylord Incorporated, St. Louis, Mo. Carton. 1,850,714; Mar. 22.

Gaylord, Robert, Incorporated. (See Gaylord, Clifford W., assignor.)

Gaylord, Robert, Incorporated. (See Gomes, Earl S., assignor.)

Gaylord, Robert, Incorporated. (See Williams, Benjamin M., assignor.)

Gayman, Oliver P., Canal, Winchester, Ohio. Landing and launching device for air vehicles. 1,892,460; Dec. 27.

Gaynor, Arthur C., Stratford, Conn. Electric switch. Re18,385; Mar. 15.

Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,852,772; Apr. 5.

Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,885,709; Nov. 1.

Gaynor, E. S., Lumber Company. (See Judd, Frank, assignor.)

Gaynor, James C. (See Matthews, Floyd C., assignor.)

Gear Grinding Company Limited, The. (See Snarry, John W., assignor.)

Gear Grinding Machine Company, The. (See Hansen, Gustof L., assignor.)

Gebauer, William. (See Dollin, E. N., and Gebauer.)

Gebert, Albert E. (See Antoine, A. D., and Gebert.)

Gebert, Albert E. (See Richardson, M. H., and Gebert.)

Gebhard, Howard L., and A. W. Place, assignors to The Universal Machine Company, Bowling Green, Ohio. Link connection. 1,848,471; Mar. 8.

Gebhard, Carl, Los Angeles, Calif. Temporary cap for cups, etc. 1,890,460; Dec. 13.

Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Adjustable inductance coil. 1,840,391; Jan. 12.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,845,406; Feb. 16.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Frequency changing inductance system. 1,855,392; Apr. 26.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Radio transmitter. 1,862,928; June 14.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Temperature control apparatus for frequency control devices. 1,862,929; June 14.
Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Filament supply transformer for radio transmitters. 1,863,477; June 14.
Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Transmitting system. 1,866,459; July 5.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance changing system. 1,867,820; July 19.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Radio transmitter. 1,870,678; Aug. 9.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Transmitting system. 1,873,837; Aug. 23.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Coupling circuit arrangement. 1,880,198; Oct. 4.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Temperature regulating apparatus for signaling device. 1,873,838; Aug. 23.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Thermionic tube. 1,874,182; Aug. 30.
Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Coupling system for high frequency transmitters. 1,874,958; Aug. 30.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Coupling circuit arrangement. 1,880,198; Oct. 4.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Transmitting system. 1,882,074; Oct. 11.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Fluid cooled inductance system. 1,882,075; Oct. 11.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Relay and circuit breaker. 1,884,559; Oct. 25.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Antenna relay and control system. 1,884,653; Oct. 25.
Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Electrical coupling system. 1,890,034; Dec. 6.
Gebhard, Louis A., and C. F. Rudolph, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Inductance system. 1,858,492; May 17.
Gebhard, Louis A., and C. F. Rudolph, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Condenser system. 1,862,930; June 14.
Gebhard, Louis A., and C. F. Rudolph, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Inductance and coupling system. 1,880,199; Oct. 4.
Gebhardt Company, The. (See Gebhardt, Henry J., assignor).
Gebhardt, Georg. (See Böhmer, A., and Gebhardt.)
Gebhardt, Gustav H., Philadelphia, and W. F. Bokum, Jenkintown, assignors to Procter & Schwartz, Incorporated, Philadelphia, Pa. Batt slitter. 1,854,131; Apr. 12.
Gebhardt, Henry J., assignor to The Gebhardt Co., Chicago, Ill. Heat transfer apparatus. 1,841,528; Jan. 19.
Gebhardt, R. E., Company. (See Crosser, David H., assignor.)
Gebhart, Frederick. (See Wilkinson, P. H., and Gebhart.)
Gebr. Eickhoff, Maschinenfabrik. (See Stroedter, Karl, assignor.)
Gebruder Brehmer. (See Kleinschmidt, O., and Klemm.)
Gebruder Brehmer. (See Klemm, Rudolf, assignor.)
Gebruder Buhler, the Firm. (See Roth, Ernst, assignor.)
Gebruder Brehmer Maschinen-Fabrik. (See Kleinschmit, Oscar, assignor.)
Gebruder Haff G. m. b. H. (See Haff, Heinrich, assignor.)
Geck Laboratories, Inc. (See Themak, Edward, assignor.)
Geddes, Ira. (See Schlesinger, P., and Gedat.)
Geddes, Alfred, Buffalo, N. Y. Oil well pump. 1,879,178; Sept. 27.
Geddes, Charles I. (See Kelsea, C. H., and Geddes.)
Geddes, Charles I., Arlington, assignor to Peter Gray & Sons Inc., Cambridge, Mass. Supporting device. 1,886,090; Nov. 1.
Geddes, David, Berkeley, Calif. Grain washing and drying machine. 1,839,214; Jan. 5.
Geddes, George, Detroit, Mich. Washing apparatus. 1,858,444; May 17.
Geddes, James. (See Moss, S. A., and Geddes.)
Geddes, Leslie H., and J. H. Mansfield, assignors to Greenlee Bros. & Co., Rockford, Ill. Pole gaining and boring machine. 1,888,664; Nov. 22.
Geddes, William E., assignor to General American Tank Car Corporation, Chicago, Ill. Stock car. 1,849,743; Mar. 15.
Gee, Albert, Elkins Park, Pa. Cutting implement. 1,876,218; Sept. 6.
Gee, William P., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Filtration. 1,857,810; May 10.
Geer, Bert, Maryhill, Wash. Can top punching implement. 1,856,962; July 12.
Geer, Hobart S., Corona, assignor to American Safety Device Co., New York, N. Y. Hoisting device. 1,887,487; Nov. 15.
Geer, Paul L., et al. (See Eckert, Fritz, assignor.)
Geer, Paul L. (See Morton, W. A., and Geer.)
Geer, Paul L., Tulsa, assignor of three-tenths to W. M. Wooten, San Francisco, and three-tenths to L. F. Frank, Oakland, Calif. Mixing nozzle. 1,864,647; June 28.
Geer, Paul L., Bellevue, assignor to Amco, Incorporated, Pittsburgh, Pa. Apparatus for heat treating. 1,867,941; July 19.
Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrical element and producing the same. 1,888,762; Nov. 22.
Geer, William C., Ithaca, N. Y. Device for preventing accumulation of ice on aeroplane propellers. 1,889,782; Dec. 6.
Geer, William C., Ithaca, N. Y. Deicer for aeroplanes and the like. 1,890,286; Dec. 6.
Geere, Ernest W., Beckenham, England. Production of acid substances used in the production of carbon dioxide. 1,841,944; Jan. 19.
Geere, Ernest W., Beckenham, England. Treatment of chemical substances to prevent their deterioration or interaction with other bodies. 1,863,157; June 14.
Geertz, Eric. (See Dull, R. W., and Geertz.)
Geertz, Eric. (See Lambert, E. H., Skinner, Geertz, and Williams.)
Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany. System for determining and measuring light and color differences. 1,840,500; Jan. 12.
Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany. Photo-electric relay. 1,885,819; Nov. 1.
Geffen, Bertha, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,083; Jan. 26.
Gégauff, Charles, Thiais-lès-Rungis, Haut-Rhin, France. Fly frame. 1,846,715; Feb. 23.
Gehm, Eugene H., Stockton, Calif. Amusement device. 1,891,597; June 7.
Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Driving connection. 1,866,702; July 12.
Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Internal combustion engine. 1,866,703; July 12.
Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Valve mechanism. 1,890,051; Dec. 6.
Gehres, Hewitt A., and H. F. Shepherd, assignors to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Friction clutch. 1,887,635; Nov. 15.
Gehri, George F., Tacoma, Wash. Air washer for furnaces. 1,885,340; Nov. 1.
Gehrig, Robert C., jr., Schuylkill Haven, Pa. Concrete burial vault. 1,892,464; Dec. 27.
Gehring, John. (See Slade, H. E., and Gehring.)
Gehrke, Friedrich W., Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic objective. 1,860,575; May 31.
Gehrke, Friedrich W., Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Mechanically grinding concave lenses. 1,879,179; Sept. 27.
Gehrke, Max. (See Schoeller, W., and Gehrke.)
Gehrum, Otto C., assignor to Paxton-Mitchell Company, Omaha, Nebr. Split joint ring. 1,889,828; Dec. 6.
Geib, Ambrose C., assignor to Geib & Schaefer Co., Chicago, Ill. Carrying case for accordions. 1,840,354; Jan. 12.
Geib & Schaefer Co. (See Geib, Ambrose C., assignor.)
Geib & Schaefer Co. (See Reiter, Mathias A., assignor.)
Geibel, Andrew, Chicago, Ill. Weed extractor. 1,876,907; Sept. 13.
Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Game board. 1,880,175; Sept. 27.
Geier, F. A., Company, The. (See Martinet, Eugene F., assignor.)
Geiger, Charles F. (See Forse, E. B., and Geiger.)
Geiger, Elward F., Binghamton, N. Y. Liquid flow-controlling device. 1,865,851; July 5.
Geiger, Ernst, Irvington, N. J. Storage building. 1,841,529; Jan. 19.
Geiger, Ernst, Irvington, N. J. Combination tenement and storage building. 1,841,530; Jan. 19.
Geiger, Ernst, Irvington, N. J. Screw pile. 1,848,339; Mar. 8.
Geiger, Ernst, Irvington, N. J. Garage. 1,848,774; Mar. 8.
Geiger, Ernst, Irvington, N. J. Mechanical parking garage. 1,863,748; June 21.

Geiger, Ernst, Irvington, N. J. Parking garage. 1,869,743; Aug. 2.
Geiger, Ernst, Irvington, N. J. Mechanical garage. 1,877,293; Sept. 13.
Geiger, John, Bryn Mawr, Pa. Internal combustion engine. 1,883,686; Oct. 18.
Geiger, John J., New York, N. Y. Automatic switching system for toy railroads. 1,868,354; July 19.
Geiger, Josef, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Internal combustion locomotive. 1,857,533; Nov. 15.
Geiger, Josef, assignor to the Firm Maschinenfabrik Augsburg-Nurnberg, Aktiengesellschaft, Augsburg, Germany. Internal combustion locomotive. 1,857,654; Nov. 15.
Geiger, Julius, Dolsthaida, near Muckenberg, Germany. Dredging machine. 1,845,549; Feb. 23.
Geiger, Paul H., Wilhelmsburg, and C. K. Strobel, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier. 1,861,083; May 31.
Geiger, Washington, T. P., Fort Myers, Fla. School desk. 1,888,263; Nov. 22.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,847,477; Mar. 1.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,849,667; Mar. 15.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Meat rack. 1,863,714; June 21.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Car draft rigging. 1,871,451; Aug. 16.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,876,906; Sept. 13.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,882,799; Oct. 18.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,882,800; Oct. 18.
Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 1,882,801; Oct. 18.
Geigwitter, Charles G., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Dual control brakes. 1,874,483; Aug. 30.
Geigy, J. R., S. A. (See Conzetti, Achille, assignor.)
Geigy, J. R., S. A., the firm. (See Conzetti, Achille, assignor.)
Geigy, J. R., S. A. (See Hagenbach, E., Mettler, and Wanner, assignors.)
Geigy, J. R., S. A. (See Krebser, Adolf.)
Geigy, J. R., S. A. (See Krebser, Adolf, assignor.)
Geigy, J. R., S. A. (See Muller, Paul, assignor.)
Geiler, Frederick C. (See Wyld, W. H., and Geiler.)
Geiler, Frederick C., Dayton, Ohio, assignor, by mesne assignments to Frigidaire Corporation. Tray for refrigerating units. Re18,090; Nov. 8.
Geipel, Stanley S., assignor to Metallo Gasket Company, New Brunswick, N. J. Gasket. 1,888,166; Nov. 15.
Geise, Henry F., Whites, Wash. Artificial hand. 1,874,185; Aug. 30.
Geisel, John E. G., Lehighton, Pa. Combination fire tongs and poker and stove lid lifter. 1,843,025; Jan. 26.
Geiselman, Ralph A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,863,302; June 14.
Geisler, Theodore F., Portland, Oreg. Fruit jar opener and holder. 1,887,152; Nov. 8.
Geisslinger, Johann, Forest Hills North, assignor to A. K. Kempton, New York, N. Y. Electric clock. 1,839,215; Jan. 5.
Geist, Floyd N., and F. W. Lorenz, Cleveland Heights, Ohio. Spoke and spoke nipple. 1,865,412; June 28.
Geist, William J., Maplewood, Mo. Spout. 1,863,787; June 21.
Geist, William J., Lockport, Ill. Collapsible container. 1,867,914; July 19.
Geister, Albert G., Sanborn, Iowa. Scooping attachment for tractors. 1,856,629; May 3.
Geistert, Albert G., and A. J. Altz, assignors to General Motors Corporation, Detroit, Mich. Radiator cap. 1,863,009; June 14.
Geitgey, Irvin, assignor to The Elyria Telephone Company, Elyria, Ohio. Selector switch cleaner. 1,842,350; Jan. 19.
Gelbman, Louis, Yonkers, N. Y. Concrete molding machine. 1,867,144; July 12.
Gelder, Royal W., Greeley, Colo. Making magnesian cement. 1,878,909; Sept. 13.
Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 1,849,979; Mar. 15.
Gelfand, Hyman, Brooklyn, N. Y. Removable screen. 1,883,687; Oct. 18.
Gelinas, Wilfred F., Lanesborough, Mass., assignor to General Electric Company. Electric heater. 1,869,140; July 26.
Gelinski, Paul, Pasadena, Calif. Screw holding screwdriver. 1,868,009; July 19.
Gelissen, Henri C. J. H., assignor to Naamlooze Vennootschap Electrochemische Industrie, Roermond, the Netherlands. Process for obtaining phosphorus-halogen compounds. 1,884,656; Oct. 25.
Geller, Leon W., Syracuse, assignor to American Chicle Company, Long Island City, N. Y. Chewing gum base. 1,855,016; Apr. 19.
Geller, Leon W., Syracuse, assignor to American Chicle Company, Long Island City, N. Y. Chewing gum base. 1,855,017; Apr. 19.
Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. 1-(3'4-dichlor-6'-sulphophenyl)-5-pyrazolones and azo coloring matters derived therefrom. 1,856,413; May 3.
Geller, Leon W., assignor to Will & Baumer Candle Company, Inc., Syracuse, N. Y. Molding of beeswax candies and the product thereof. 1,866,025; July 5.
Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Azo coloring matter soluble in benzene. 1,870,806; Aug. 9.
Geller, Robert, Karlsruhe, Germany. Manufacture of solid alcohols. 1,844,754; Feb. 9.
Gellert, Anthony, Brooklyn, N. Y. Hydraulic clutch. 1,883,365; Oct. 18.
Gellman, Israel C., Rock Island, Ill. Bread slicing machine. Des. 88,078; Oct. 25.
Geloso, J. (See Bjorkman, George E., assignor.)
Gelpcke, Alfred W., Brooklyn, assignor to The Rawlplug Company, Inc., New York, N. Y. Removable grip for tool holders. 1,852,296; Apr. 5.
Gelpcke, Alfred W., Brooklyn, assignor to The Rawlplug Company, Inc., New York, N. Y. Bolt anchor. 1,852,297; Apr. 5.
Gem Cr'b & Cradle Company. (See Beaman, Walter L., assignor.)
Gem Crib & Cradle Company. (See Johnson, A. S., and Nesbitt, assignors.)
Gem Doughnut Machine Co. (See School, Clifford R., assignor.)
Gem Doughnut Machine Company. (See School, Fred L., assignor.)
Gem Hammock & Fly Net Company, The. (See Kootz, Arthur C., assignor.)
Gem Manufacturing Company. (See Hobart, Louis C., assignor.)
Gemberling, Cameron H. (See Altgelt, R. J., and Gemberling.)
Gemex Company. (See Lichtenfels, William, assignor.)
Gemex Company. (See Prestinari, Eugen, assignor.)
Gemex Company. (See Roy, Wilfrid J., assignor.)
Gemex Company. (See Sand, John, assignor.)
Gemmer Manufacturing Company. (See Marles, Henry, assignor.)
Genaille, Georges, Ridgefield Park, N. J., assignor to Delvicar, Inc., New York, N. Y. Clock face. Des. 87,003; May 24.
Genaille, Georges, Ridgefield Park, N. J., assignor to Delvicar, Inc., New York, N. Y. Clock face. Des. 87,004; May 24.
Genaille, Georges, Ridgefield Park, N. J., assignor to Delvicar, Inc., New York, N. Y. Clock case. Des. 87,149; June 14.
Genco, Incorporated. (See Myers, Louis, assignor.)
Gendel, Meyer. (See Shreiber, Bernard, assignor.)
Gendreau, Joseph A., and E. Messier, Hartford, Conn. Hydrovehicle. 1,879,180; Sept. 27.
Genenger, Richard, Aschen-Forst, Germany, assignor to N. V. Maatschappij tot Beheer en Exploitatie van Octrooien, The Hague, Netherlands. Device for handling and emptying glass melting pots. 1,869,245; July 26.
General Alloys Company. (See Harris, H. H., and McCormick, assignors.)
General American Tank Car Corporation. (See Eakins, Isaiah A., assignor.)
General American Tank Car Corporation. (See Geddes, William E., assignor.)
General American Tank Car Corporation. (See Pierce, Raymond C., assignor.)
General Aniline Works, Inc. (See Albrecht, Walther, assignor.)
General Aniline Works, Inc. (See Bauer, W., Haller, and Rösch, assignors.)
General Aniline Works, Inc. (See Bauer, W., Haller, and Zeh, assignors.)
General Aniline Works, Inc. (See Baumann, F., Friedrich, and Zeh, assignors.)
General Aniline Works, Inc. (See Baumann, Fritz, assignor.)
General Aniline Works, Inc. (See Bayer, Otto, assignor.)
General Aniline Works, Inc. (See Bayer, O., Hohenemser, and Larbig, assignors.)
General Aniline Works, Inc. (See Berliner, Robert, assignor.)
General Aniline Works, Inc. (See Berthold, H., and Rab., assignors.)
General Aniline Works, Inc. (See Böger, O., and Meissner, assignors.)
General Aniline Works, Inc. (See Bollweg, B., Zeh and Kramer, assignors.)
General Aniline Works, Inc. (See Bormann, Karl, assignor.)
General Aniline Works, Inc. (See Brode, J., and Wurster, assignors.)
General Aniline Works, Inc. (See Bruck, Walter, assignor.)
General Aniline Works, Inc. (See Brunner, Arnold, assignor.)
General Aniline Works, Inc. (See Bruns, H., Baumann, and Kugel, assignors.)

General Aniline Works, Inc. (See Buchloh, H., Mieg, and Stoetzer, assignors.)
General Aniline Works, Inc. (See Buchwald, Reinhard, assignor.)
General Aniline Works, Inc. (See Clingestein H., and Zervas, assignors.)
General Aniline Works, Inc. (See Clingestein, H., Zervas, and Schweitzer, assignors.)
General Aniline Works, Inc. (See Colombara, Hans, assignor.)
General Aniline Works, Inc. (See Dobmaier, Carl, assignor.)
General Aniline Works, Inc. (See Dobmaier, Karl, assignor.)
General Aniline Works, Inc. (See Dorrer, A., Scheurer, and Ohmer, assignors.)
General Aniline Works, Inc. (See Drapal, Othmar, assignor.)
General Aniline Works, Inc. (See Eckert, Wilhelm, assignor.)
General Aniline Works, Inc. (See Eckert, W., and Braunsdorf, assignors.)
General Aniline Works, Inc. (See Eckert, W., Greune, and Eichholz, assignors.)
General Aniline Works, Inc. (See Eckert, W., and Greune, assignors.)
General Aniline Works, Inc. (See Eckert, W., and Sieber, assignors.)
General Aniline Works, Inc. (See Elchwede, H., and Rachor, assignors.)
General Aniline Works, Inc. (See Ellner, Hans, assignor.)
General Aniline Works, Inc. (See Fellmer, E., and Hoyer, assignors.)
General Aniline Works, Inc. (See Gassner, S., and Baumann, assignors.)
General Aniline Works, Inc. (See Gassner, S., and Bienert, assignors.)
General Aniline Works, Inc. (See Gerbel, Karl, assignor.)
General Aniline Works, Inc. (See Glietenberg, E., Neelmeier, and Haller, assignors.)
General Aniline Works, Inc. (See Günther, F., Lange, and Schneider, assignors.)
General Aniline Works, Inc. (See Hagenest H., and Stauf, assignors.)
General Aniline Works, Inc. (See Haller, J., Glietenberg, and Hentrich, assignors.)
General Aniline Works, Inc. (See Haller, J., and Rösch, assignors.)
General Aniline Works, Inc. (See Hardtmann, Max, assignor.)
General Aniline Works, Inc. (See Heidenreich, Rudolf, assignor.)
General Aniline Works, Inc. (See Heidenreich, R. M., and Thun, assignors.)
General Aniline Works, Inc. (See Heimann, H., and Virck, assignors.)
General Aniline Works, Inc. (See Henle, F., and Lanz, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Burr, and Schweitzer, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Hardtmann, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, Hilger, and Knoche, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, Knoche, and Stusser, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Ossenbeck, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Hilger, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and J. Hilger, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hilger, and Knoche, assignors.)
General Aniline Works Inc. (See Hentrich, W., Hilger, and Strwebel, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Knoche, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Ossenbeck, and Tietze, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Tauhe, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Tietze, and Ossenbeck, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Tietze, Ossenbeck, and Backes, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Zeh, assignors.)
General Aniline Works, Inc. (See Herold, P., and Koppe, assignors.)
General Aniline Works, Inc. (See Herz, R., and Brunner, assignors.)
General Aniline Works, Inc. (See Herz, R., and Schubert, assignors.)
General Aniline Works, Inc. (See Herz, R., Schubert, and Brunner, assignors.)
General Aniline Works, Inc. (See Herz, R., Schubert, and Zerweck, assignors.)
General Aniline Works, Inc. (See Herz, R., and Steiger, assignors.)
General Aniline Works, Inc. (See Herz, R., Steiger, and Hechtenberg, assignors.)
General Aniline Works, Inc. (See Herz, R., Steiger, and Schulte, assignors.)
General Aniline Works, Inc. (See Herz, R., and Zerweck, assignors.)
General Aniline Works, Inc. (See Hess, Fritz, assignor.)
General Aniline Works, Inc. (See Hilger J., and Wiedemann, assignors.)
General Aniline Works, Inc. (See Hoffa, Erwin, assignor.)
General Aniline Works, Inc. (See Hoffa, E., and Heyna, assignors.)
General Aniline Works, Inc. (See Hoffa, E., and Selb, assignors.)
General Aniline Works, Inc. (See Holzach, K., Krzikalla, and Mueller, assignors.)
General Aniline Works, Inc. (See Holzapfel, E., Braunsdorf, and Lange, assignors.)
General Aniline Works, Inc. (See Honold, Ernst, assignor.)
General Aniline Works, Inc. (See Hoyer, H., and Glietenberg, assignors.)
General Aniline Works, Inc. (See Immerheiser, C., and Zschimmer, assignor.)
General Aniline Works, Inc. (See Immerheiser, C., Zschimmer, Fritsch, and Fleischmann, assignors.)
General Aniline Works, Inc. (See Jung, Rudolph, assignor.)
General Aniline Works, Inc. (See Kačer, Filip, assignor.)
General Aniline Works, Inc. (See Kačer, P., and Krause, assignors.)
General Aniline Works, Inc. (See Kalischer, Georg, assignor.)
General Aniline Works, Inc. (See Kalischer, G., and Honold, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Keller, assignors.)
General Aniline Works, Inc. (See Kalischer, G., Ritter, and Honold, assignors.)
General Aniline Works, Inc. (See Kalischer, G., Ritter, Scheyer, and Bayer, assignors.)
General Aniline Works, Inc. (See Kalischer, G., Schuele, and Schindhelm, assignors.)
General Aniline Works, Inc. (See Kämmerer, H., and Holzach, assignors.)
General Aniline Works, Inc. (See Keller, K., and Gofferje, assignors.)
General Aniline Works, Inc. (See Keller, K., and Münz, assignors.)
General Aniline Works, Inc. (See Kesseler, H., and Elfflaender, assignors.)
General Aniline Works, Inc. (See Kissling, A., Hotz, and Fitzky, assignors.)
General Aniline Works, Inc. (See Koch, Heinrich, assignor.)
General Aniline Works, Inc. (See Kraenzlein, G., and Welde, assignors.)
General Aniline Works, Inc. (See Kramer, E., Bollweg, and Zeh, assignors.)
General Aniline Works, Inc. (See Kramer, E., Zeh, and Bollweg, assignors.)
General Aniline Works, Inc. (See Kranzlein, G., and Corell, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Corell, and Vollmann, assignors.)
General Aniline Works, Inc. (See Kranzlein, G., and Langbein, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Greune, and Vollmann, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Greune, and Vollmann, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Hartmann, and Hardt, assignors.)
General Aniline Works, Inc. (See Krälzlein, G., and Sedlmayr, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., and Vollmann, assignors.)
General Aniline Works, Inc. (See Kranzlein, G., Vollmann, and Corell, assignors.)
General Aniline Works, Inc. (See Krauss, K., and Hagenböcker, assignors.)
General Aniline Works, Inc. (See Kronholz, E. and Schlichenmaier, assignors.)
General Aniline Works, Inc. (See Krzikalla, Hans, assignor.)
General Aniline Works, Inc. (See Krzikalla, H., Holzach, and Mueller, assignors.)
General Aniline Works, Inc. (See Kunz, Max A., assignor.)
General Aniline Works, Inc. (See Kunz, M. A., and Koberle, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., and Koeberle, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Berthold, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Zerweck, assignors.)
General Aniline Works Inc. (See Kunz, M. A., Kraenzlein, Koeberle, Corell, Berthold and Vollmann, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., and Teller, assignors.)
General Aniline Works, Inc. (See Lange, Werner, assignor.)
General Aniline Works, Inc. (See Lange W., and Raeck, assignors.)
General Aniline Works, Inc. (See Laska, L., and Haller, assignors.)

General Aniline Works, Inc. (See Laska; L., and Zitscher, assignors.)
General Aniline Works, Inc. (See Laska L., Zitscher, Christ., and Petzold, assignors.)
General Aniline Works, Inc. (See Latten, Mathias, assignor.)
General Aniline Works, Inc. (See Luettringhaus, A., Neresheimer, and Schneider, assignors.)
General Aniline Works Inc. (See Lüttringhaus, A., Neresheimer, Eichholz, Boehner, and Schneider, assignors.)
General Aniline Works, Inc. (See Maennchen, K. P., and Hummerich, assignors.)
General Aniline Works, Inc. (See Matzdorf, Georg, assignor.)
General Aniline Works, Inc. (See Meiser, Wilhelm, assignor.)
General Aniline Works, Inc. (See Meissner, T., Heyna, and Fischer, assignors.)
General Aniline Works, Inc. (See Mieg, Walter, assignor.)
General Aniline Works, Inc. (See Mieg, W., and Bamberger, assignors.)
General Aniline Works, Inc. (See Mieg, W., and Berliner, assignors.)
General Aniline Works, Inc. (See Mieg, W., and Heidenreich, assignors.)
General Aniline Works, Inc. (See Mildner, Hans, assignor.)
General Aniline Works, Inc. (See Muller, R., and Honold, assignors.)
General Aniline Works, Inc. (See Muth, Friedrich, assignor.)
General Aniline Works, Inc. (See Muth, F., and Schmelzer, assignors.)
General Aniline Works, Inc. (See Nawiasky, Paul, assignor.)
General Aniline Works, Inc. (See Nawiasky, P., and Ehrhardt, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., Honold, and Wolff, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Käcer, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Kraus, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Wolff, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Glietenberg, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Goll, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Lamberz, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Meiser, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Noetel, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Van Hulle, assignors.)
General Aniline Works, Inc. (See Neresheimer, Heinrich, assignor.)
General Aniline Works, Inc. (See Neresheimer, H., and Eichholtz, assignor.)
General Aniline Works, Inc. (See Neresheimer, H., and Honold, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., Honold, and Böhner, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., and Schneider, assignors.)
General Aniline Works, Inc. (See Ohlendorf, Heinrich, assignor.)
General Aniline Works, Inc. (See Ossenbeck, A., and Treibs, assignors.)
General Aniline Works, Inc. (See Reddelien, G., Iange, Fischesser, and Freund, assignors.)
General Aniline Works, Inc. (See Reddelien, G., Matzdorf, and Peters, assignors.)
General Aniline Works, Inc. (See Reddelien, G., and Oberdorf, assignors.)
General Aniline Works, Inc. (See Rimele, E., Glietenberg, and Neelmeier, assignors.)
General Aniline Works, Inc. (See Ritter, Heinrich, assignor.)
General Aniline Works, Inc. (See Ritter, H., and Brunner, assignors.)
General Aniline Works, Inc. (See Ritter, H., and A. Holl, assignors.)
General Aniline Works, Inc. (See Romig, E., and Holzach, assignors.)
General Aniline Works, Inc. (See Rösch, Georg, assignor.)
General Aniline Works, Inc. (See Scheyer, Heinz, assignor.)
General Aniline Works, Inc. (See Schindhelm, Hans, assignor.)
General Aniline Works, Inc. (See Schirmacher, Karl, and W. Schaich, Wolfram, Tampke, and Billig, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., and Schlichenmaier, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., and Stenger, assignors.)
General Aniline Works, Inc. (See Schmelzer, A., Ballauf, and Hefner, assignors.)
General Aniline Works, Inc. (See Schmidt, Albrecht, assignor.)
General Aniline Works, Inc. (See Schmidt, M. P., and Neugebauer, assignors.)
General Aniline Works, Inc. (See Schmidt, Robert E., assignor.)
General Aniline Works, Inc. (See Schmidt, R. E., and Berliner, assignors.)
General Aniline Works, Inc. (See Schmidt, R. E., Stein, and Bamberger, assignors.)
General Aniline Works, Inc. (See Schnitzspahn, Karl, assignor.)
General Aniline Works, Inc. (See Schweitzer, Hugo, assignor.)
General Aniline Works, Inc. (See Schwenk, Erwin, assignor.)
General Aniline Works, Inc. (See Steiger, Norbert, assignor.)
General Aniline Works, Inc. (See Stüsser, Richard, assignor.)
General Aniline Works, Inc. (See Stusser, R., and Wiedemann, assignors.)
General Aniline Works, Inc. (See Taube, Carl, assignor.)
General Aniline Works, Inc. (See Teller, Fritz, assignor.)
General Aniline Works, Inc. (See Thauss, A., and Ballauf, assignors.)
General Aniline Works Inc. (See Thauss, A., Mauthe, and Rosez, assignors.)
General Aniline Works, Inc. (See Thiess, K., and Männchen, assignors.)
General Aniline Works, Inc. (See Tschunkur, E., Ballauf, and Herdiecherhoff, assignors.)
General Aniline Works, Inc. (See Tschunkur, E., and Klamroth, assignors.)
General Aniline Works, Inc. (See Tschunkur, E., and Kracht, assignors.)
General Aniline Works, Inc. (See Tschunkur, E., Kracht, and Herdieckerhoff, assignors.)
General Aniline Works Inc. (See Ullmann, Fritz, assignors.)
General Aniline Works, Inc. (See Virck, P., and Matzdorf, assignors.)
General Aniline Works, Inc. (See Wagner, H., Sohst, Seitz, and Schumacher, assignors.)
General Aniline Works, Inc. (See Wagner, H., and Vossen, assignors.)
General Aniline Works, Inc. (See Wahl, Ottmar, assignor.)
General Aniline Works, Inc. (See Weinand, Klaus, assignor.)
General Aniline Works, Inc. (See Wieners, F., and Bauer, assignors.)
General Aniline Works, Inc. (See Wilke, Karl, assignor.)
General Aniline Works, Inc. (See Wolff, Hugo, assignor.)
General Aniline Works Inc. (See Wolff, H., and Honold, assignors.)
General Aniline Works, Inc. (See Wolff, H., Kunz, and Koeberle, assignors.)
General Aniline Works, Inc. (See Wollemann, Johannes, assignor.)
General Aniline Works, Inc. (See Zahn, C., and Schimmelschmidt, assignors.)
General Aniline Works, Inc. (See Zerweck, Werner, assignor.)
General Aniline Works, Inc. (See Zitscher, Arthur, assignor.)
General Aniline Works, Inc. (See Zitscher, A., and Muris, assignors.)
General Aniline Works, Inc. (See Zitscher, A., and Schmitt, assignors.)
General Aniline Works, Inc. (See Zitscher, A., and Zeiserich, assignors.)
General Aviation Corporation. (See Gassner, Alfred A., assignor.)
General Aviation Corporation. (See Thaden, Herbert V., assignor.)
General Box Company. (See Hillyer, Merton C., assignor.)
General Box Company. (See Meikle, D. G., and Paugh, assignors.)
General Box Company. (See Van De Venter, Walter F., assignor.)
General Cable Corporation. (See Abbott, Charles W., assignor.)
General Cable Corporation. (See Atkinson, Ralph W., assignor.)
General Cable Corporation. (See Bartell, Ernest J., assignor.)
General Cable Corporation. (See Borgeson, Sidney E., assignor.)
General Cable Corporation. (See Cook, William E., assignor.)
General Cable Corporation. (See Gledhill, Edward C., assignor.)
General Cable Corporation. (See Kierspe, George W., assignor.)
General Cable Corporation. (See Murphy, Daniel H., assignor.)
General Cable Corporation. (See Murphy, Roger N., assignor.)
General Cable Corporation. (See Myers, Alexander M., assignor.)
General Cable Corporation. (See Potter, Frank M., assignor.)

General Cable Corporation. (See Potter, F. M., and Traxel, assignors.)
General Cable Corporation. (See Reiner, Martin J., assignor.)
General Cable Corporation. (See Saltzman, Auguste L., assignor.)
General Cable Corporation. (See Schneider, E. J., and Bradt, assignors.)
General Cable Corporation. (See Shondell, Howard, assignor.)
General Cable Corporation. (See Simmons, Donald M., assignor.)
General Cable Corporation. (See Snyder, Edward, assignor.)
General Cable Corporation. (See Strait, Wilber E., assignor.)
General Cable Corporation. (See Traxel, Charles E., assignor.)
General Cable Corporation. (See Wodtke, Hans V., assignor.)
General Can Company. (See Anderson, Carl A., assignor.)
General Cement Products Company. (See Henderson, Albert, assignor.)
General Ceramics Company. (See Whitaker, Frederic A., assignor.)
General Chain Company. (See Hogberg, John L., assignor.)
General Chain Company. (See Patten, Charles H., assignor.)
General Chemical Company. (See Allen, Walter S., assignor.)
General Chemical Company. (See Billingsley, J. P., and Kellum, assignors.)
General Chemical Company. (See Clark, Cyril B., assignor.)
General Chemical Company. (See Davis, Harold A., assignor.)
General Chemical Company. (See Gillett, Lowry, assignor.)
General Chemical Company. (See Henninger, Arthur H., assignor.)
General Chemical Company. (See Ingraham, Harold O. C., assignor.)
General Chemical Company. (See Isenberg, Hans O. C., assignor.)
General Chemical Company. (See Joseph, Henry, assignor.)
General Chemical Company. (See Kunkel, Richard C., assignor.)
General Chemical Company. (See Landau, Henry B., assignor.)
General Chemical Company. (See Levermore, Charles L., assignor.)
General Chemical Company. (See Lohmann, William H., assignor.)
General Chemical Company. (See Lohmann, W. H., and Kaestner, assignors.)
General Chemical Company. (See Merriam, Henry F., assignor.)
General Chemical Company. (See Mullen, Edwin J., assignor.)
General Devices and Fittings Company. (See Lapsley, Howard G., assignor.)
General-Direktion der Österr Tabakregie. (See Wenusch, Adolf, assignor.)
General Dry Kiln Company. (See Mueller, Moritz L., assignor.)
General Electric Company. (See Acheson, Marcus A., assignor.)
General Electric Company. (See Acly, Harry M., assignor.)
General Electric Company. (See Adam, Walter, assignor.)
General Electric Company. (See Adams, Lester V., assignor.)
General Electric Company. (See Agte, Kurt, assignor.)
General Electric Company. (See Alexander, Peter P., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Allen, Amos L., assignor.)
General Electric Company. (See Allen, Hugh E., assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Anderson, Robert G., assignor.)
General Electric Company, The. (See Angold, Arthur E., assignor.)
General Electric Company. (See Antoniono, Caesar, assignor.)
General Electric Company. (See Arey, Ralph G., assignor.)
General Electric Company. (See Arsem, William C., assignor.)
General Electric Company. (See Artzt, M., and Serrell, assignors.)
General Electric Company. (See Atwood, Winfield A., assignor.)
General Electric Company. (See Ayer, Raymond B., assignor.)
General Electric Company. (See Bailey, Percy S., assignor.)
General Electric Company. (See Bailey, William M., assignor.)
General Electric Company. (See Baker, Judd O., assignor.)
General Electric Company. (See Baker, Walter R. G., assignor.)
General Electric Company. (See Ballentine, Edwin C., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Bany, H., and Seeley, assignors.)
General Electric Company. (See Bassler, Kurt, assignor.)
General Electric Company. (See Bear, Ralston E., assignor.)
General Electric Company. (See Becker, Howard I., assignor.)
General Electric Company. (See Beckert, Frank R., assignor.)
General Electric Company. (See Bedford, Alda V., assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Beekman, Boyce A., assignor.)
General Electric Company. (See Belt, Thomas A. E., assignor.)
General Electric Company. (See Benecke, Heinrich, assignor.)
General Electric Company. (See Benoit, Leo H., assignor.)
General Electric Company. (See Biggs, Leonard R., assignor.)
General Electric Company. (See Blake, David K., assignor.)
General Electric Company. (See Blanchard, Walter P., assignor.)
General Electric Company. (See Blume, Louis F., assignor.)
General Electric Company. (See Boehne, Eugene W., assignor.)
General Electric Company. (See Bond, William L., assignor.)
General Electric Company. (See Boyajian, Aram, assignor.)
General Electric Company. (See Boyajian, A., and De Blieux, assignors.)
General Electric Company. (See Boyer, Sylvester, assignor.)
General Electric Company. (See Braband, Karl, assignor.)
General Electric Company. (See Brand, Frederick F., assignor.)
General Electric Company. (See Brand, F. F., and Mathieu, assignors.)
General Electric Company. (See Brandenstein, Errol W., assignor.)
General Electric Company. (See Brophy, Gerald R., assignor.)
General Electric Company. (See Brophy, G. R., and Scorzoni, assignors.)
General Electric Company. (See Brown, C. A., Van Sickle, and Craig, assignors.)
General Electric Company. (See Brown, George R., assignor.)
General Electric Company. (See Brown, H. D., and Sabbah, assignors.)
General Electric Company. (See Brown, Harold W., assignor.)
General Electric Company. (See Brückel, Waldemar, assignor.)
General Electric Company. (See Buechner, Guenther, assignor.)
General Electric Company. (See Busch, John, assignor.)
General Electric Company. (See Butler, Benjamin J., assignor.)
General Electric Company. (See Buttron, Willard C., assignor.)
General Electric Company. (See Byles, Frank A., assignor.)
General Electric Company. (See Byrnes, Irving F., assignor.)
General Electric Company. (See Carichoff, Eugene R., assignor.)
General Electric Company. (See Carlson, George, assignor.)
General Electric Company. (See Carlson, G., and Knoderer, assignors.)
General Electric Company. (See Carlson, Wendell L., assignor.)
General Electric Company. (See Carlson, W. L., and Wilson, assignors.)
General Electric Company. (See Carpenter, Glenn W., assignor.)
General Electric Company. (See Carter, Emmett F., assignor.)
General Electric Company. (See Cartun, Paul O., assignor.)
General Electric Company. (See Case, Byron A., assignor.)
General Electric Company. (See Case, James W., assignor.)
General Electric Company. (See Chapman, C. H., and Townsend, assignors.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Charlton, Ernest E., assignor.)

General Electric Company. (See Cheeseman, Ralph T., assignor.)
General Electric Company. (See Childs, A. T., and Weldon, assignors.)
General Electric Company. (See Chutter, George A., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Clarke, Philip C., assignor.)
General Electric Company. (See Cockrell, William D., assignor.)
General Electric Company. (See Cocksedge, Frederick M., assignor.)
General Electric Company. (See Cohn, A., and Herden, assignors.)
General Electric Company. (See Cohn-Byk, W., and von Fap, assignors.)
General Electric Company. (See Connely, Charles B., assignor.)
General Electric Company. (See Cook, Ellsworth D., assignor.)
General Electric Company. (See Cornell, James I., assignor.)
General Electric Company. (See Coulson, Bevis P., jr., assignor.)
General Electric Company. (See Cowan, Edward J., assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Crocker, Arthur T., assignor.)
General Electric Company. (See Crocker, Clarence T., assignor.)
General Electric Company. (See Crocker, Irving S., assignor.)
General Electric Company. (See Cutler, Clarence W., assignor.)
General Electric Company. (See Cutler, C. W., and Sykes, assignors.)
General Electric Company. (See Dahl, Otto, assignor.)
General Electric Company. (See Daniels, Leon C., assignor.)
General Electric Company. (See Dantsizen, Christian, assignor.)
General Electric Company. (See Davies, David R., assignor.)
General Electric Company. (See Davies, Leonard J., assignor.)
General Electric Company. (See Davis, Neville R., assignor.)
General Electric Company. (See Dawson, Edward S., jr., assignor.)
General Electric Company. (See Day, Winterton J., assignor.)
General Electric Company. (See De Blieux, Earl V., assignor.)
General Electric Company. (See Dempster, John T. H., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See De Tar, Donald R., assignor.)
General Electric Company. (See Dettenborn, Paul, assignor.)
General Electric Company. (See Devers, Philip K., assignor.)
General Electric Company. (See Devers, P. K., and Hooper, assignors.)
General Electric Company. (See De Walt, Kenneth C., assignor.)
General Electric Company. (See Dietze, Richard, assignor.)
General Electric Company. (See Dobke, Günther, assignor.)
General Electric Company. (See Donovan, J. F., and Illingworth, assignors.)
General Electric Company. (See Donovan, J. F., and Malloy, assignors.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dorgeloh, G. H., and Maslin, assignors.)
General Electric Company. (See Dougherty, Robert H., assignor.)
General Electric Company. (See Dreghorn, Herbert, assignor.)
General Electric Company. (See Eaton, Reginald O., assignor.)
General Electric Company. (See Eby, Eugene D., assignor.)
General Electric Company, and La Roque, assignors.) (See Elder, F. R., Bailey,
General Electric Company. (See Emmet, William L. R., assignor.)
General Electric Company. (See Ewest, H., and Gaidies, assignors.)
General Electric Company. (See Fagan, John T., assignor.)
General Electric Company. (See Falcke, Emil, assignor.)
General Electric Company. (See Falge, R. N., and Brown, assignors.)
General Electric Company. (See Farley, T. S., and Whitney assignors.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Fitch, William A., assignor.)
General Electric Company. (See Fitz Gerald, Alan S., assignor.)
General Electric Company. (See Fitzgerald, Alan S., assignor.)
General Electric Company. (See Fitzgerald A. S., and Palmer, assignors.)
General Electric Company. (See Flaherty, Harold J., assignor.)
General Electric Company. (See Flaherty, Mark, assignor.)
General Electric Company. (See Fleckenstein, F., and Müller, assignors.)
General Electric Company. (See Fleischmann, L., and Krämer, assignors.)
General Electric Company. (See Foucault, Edouard, assignor.)
General Electric Company. (See Force, Jonathan, assignor.)
General Electric Company. (See France, E. A., and Knoderer, assignors.)
General Electric Company. (See Frank, John J., assignor.)
General Electric Company. (See Frink, Frederick W., assignor.)
General Electric Company. (See Fuller, Carl T., assignor.)
General Electric Company. (See Fuller, Roger A., assignor.)
General Electric Company. (See Fuwa, K., and Okugawa, assignors.)
General Electric Company. (See Fuwa, K., and Shiraishi, assignors.)
General Electric Company. (See Gamble, Kent, P., assignor.)
General Electric Company. (See Gardiner, Paul C., assignor.)
General Electric Company. (See Gareiss, M., and Wiegand, assignors.)
General Electric Company. (See Garton, Charles G., assignor.)
General Electric Company. (See Gay, Frazer W., assignor.)
General Electric Company. (See Gelinas, Wilfred F., assignor.)
General Electric Company. (See Gilson, Emery G., assignor.)
General Electric Company. (See Given, Ralph D., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Graf, Fritz, assignor.)
General Electric Company. (See Green, Harold V., assignor.)
General Electric Company. (See Gross, Erich, assignor.)
General Electric Company. (See Grube, L. E., Warner, and Ericson, assignors.)
General Electric Company. (See Gunther, Clarence A., assignor.)
General Electric Company. (See Hagiwara, Rinzo, assignor.)
General Electric Company. (See Haley, Kenneth R., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Hamilton, Walter L., assignor.)
General Electric Company. (See Hardesty, Llewellyn C., assignor.)
General Electric Company. (See Hardy, C. V., and Johnston, assignors.)
General Electric Company. (See Harrington, Norman S., assignor.)
General Electric Company. (See Hartley, Lowell J., assignor.)
General Electric Company. (See Hatay, Charles, assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Hayman, W. C., and Piercy, assignors.)
General Electric Company. (See Hegel, George W., assignor.)
General Electric Company. (See Hehlgans, Friedrich, assignor.)
General Electric Company. (See Heinrich, Arthur F., assignor.)
General Electric Company. (See Heisler, Charles L., assignor.)
General Electric Company. (See Henningsen, Earle S., assignor.)
General Electric Company. (See Herre, Peter, assignor.)
General Electric Company. (See Herzog, E., and Watson, assignors.)
General Electric Company. (See Hewlett, Clarence W., assignor.)
General Electric Company. (See Hewlett, Edward M., assignor.)

General Electric Company. (See Hilgers, Nino, assignor.)
General Electric Company. (See Hill, Charles H., assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Hinkley, Ray A., assignor.)
General Electric Company. (See Hoffman, Bruno, assignor.)
General Electric Company. (See Hollnagel, Herbert P., assignor.)
General Electric Company. (See Hollnagel, H. P., and Winckler, assignors.)
General Electric Company. (See Hopp, Wilhelm, assignor.)
General Electric Company. (See Horowicz, Eugen, assignor.)
General Electric Company. (See Horstkotte, Edward H., assignor.)
General Electric Company. (See Hoseason, Donald B., assignor.)
General Electric Company. (See Hovey, Almon G., assignor.)
General Electric Company. (See Howard, Alan, assignor.)
General Electric Company. (See Hoxie, Charles A., assignor.)
General Electric Company. (See Hoyt, Samuel L., assignor.)
General Electric Company. (See Hubbard, Horace S., assignor.)
General Electric Company. (See Huber, Herman J., assignor.)
General Electric Company. (See Huber, H. J. H., and Kellogg, assignors.)
General Electric Company. (See Hudson, Max B., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Hull, John I., assignor.)
General Electric Company. (See Hurst, Ira A., assignor.)
General Electric Company. (See Hurwitz, Eugen, assignor.)
General Electric Company. (See Huston, Claude B., assignor.)
General Electric Company. (See Idank, Joseph A., assignor.)
General Electric Company. (See Ipsen, C. L., and Cherry, assignors.)
General Electric Company. (See Ipsen, C. L., and Otis, assignors.)
General Electric Company. (See Isaac, Archibald C. T., assignor.)
General Electric Company. (See Ives, Charles A., assignor.)
General Electric Company. (See Jackwirth, Maximilian, assignor.)
General Electric Company. (See Jahn, Fritz, assignor.)
General Electric Company. (See Janssen, Fritz, assignor.)
General Electric Company. (See Johannesen, Svend E., assignor.)
General Electric Company. (See Johnson, Eric M., assignor.)
General Electric Company. (See Johnston, Arthur J., assignor.)
General Electric Company. (See Johnston, Philip J., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Jones, B. W., and Carpenter, assignors.)
General Electric Company. (See Jones, Laurence D., assignor.)
General Electric Company. (See Jones, Norman B., assignor.)
General Electric Company. (See Jones, N. R., and Dewhurst, assignors.)
General Electric Company. (See Jump, George H., assignor.)
General Electric Company. (See Junggren, Oscar, assignor.)
General Electric Company. (See Junken, Lawrence H., assignor.)
General Electric Company. (See Kearsley, William K., assignor.)
General Electric Company, The. (See Keeley, Frederick J., assignor.)
General Electric Company. (See Kell, Ray D., assignor.)
General Electric Company. (See Kellogg, Edward W., assignor.)
General Electric Company. (See Kempton, Leslie A., assignor.)
General Electric Company. (See Kendall, James M., assignor.)
General Electric Company. (See Kennedy, Alexander, jr., assignor.)
General Electric Company. (See Kennedy, Luke F., assignor.)
General Electric Company. (See Kienle, Roy H., assignor.)
General Electric Company. (See Kingdon, K. H., and Tonks.)
General Electric Company. (See Kinman, Thomas H., assignor.)
General Electric Company. (See Kinnard, I. F., and Faus, assignors.)
General Electric Company. (See Kitamura, M., and Yamazaki, assignors.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Kleinow, Walter, assignor.)
General Electric Company. (See Klock, Earl G., assignor.)
General Electric Company. (See Knoderer, Homer G., assignor.)
General Electric Company. (See Koller, Lewis R., assignor.)
General Electric Company. (See Kraft, Hans, assignor.)
General Electric Company. (See Krämer, Christian, assignor.)
General Electric Company. (See Krauss, Walther, assignor.)
General Electric Company. (See Kressin, Hans, assignor.)
General Electric Company. (See Kuehni, Hans P., assignor.)
General Electric Company. (See Kunath, Rudolf, assignor.)
General Electric Company. (See Lane, Francis J., assignor.)
General Electric Company. (See Langmuir, Irving, assignor.)
General Electric Company. (See Langmuir, I., and Kingdon, assignors.)
General Electric Company. (See Lauder, Arthur H., assignor.)
General Electric Company. (See LeCount, George E., assignor.)
General Electric Company. (See Leiby, Harvey I., assignor.)
General Electric Company. (See Lennox, Thomas C., assignor.)
General Electric Company. (See Leonard, Vincent W., assignor.)
General Electric Company. (See Lieberum, George W., assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See Maddock, Alan J., assignor.)
General Electric Company. (See Mansur, Clarence W., assignor.)
General Electric Company. (See Mapelsden, Harold H., assignor.)
General Electric Company. (See Marcellus, Fredrick S., assignor.)
General Electric Company. (See Marquis, Charles F., assignor.)
General Electric Company. (See Martin, D. W., and Whalin, assignors.)
General Electric Company. (See Martin, Harold M., assignor.)
General Electric Company. (See Maser, Harold T., assignor.)
General Electric Company. (See Matson, Richard M., assignor.)
General Electric Company. (See Matthews, George A., assignor.)
General Electric Company. (See Matthie, Bruno, assignor.)
General Electric Company. (See Mauger, Samuel W., assignor.)
General Electric Company. (See May, Harold V., assignor.)
General Electric Company. (See May, Karl H., assignor.)
General Electric Company. (See Mayo, Charles G., assignor.)
General Electric Company. (See McArthur, Elmer D., assignor.)
General Electric Company. (See McCarty, O. P., and Boyajian, assignors.)
General Electric Company. (See McCreary, Harold J., assignor.)
General Electric Company. (See McEachron, Karl B., assignor.)
General Electric Company. (See McFarland, James L., assignor.)
General Electric Company. (See McLenegan, David W., assignor.)
General Electric Company. (See McNeil, Roderick S., assignor.)
General Electric Company. (See McNeil, R. S., and Bitterli, assignors.)
General Electric Company. (See Mead, Milton S., jr., assignor.)
General Electric Company. (See Mechau, Emil, assignor.)
General Electric Company, The. (See Mellor, George A., assignor.)
General Electric Company. (See Merchon, Alfred V., assignor.)
General Electric Company. (See Merrick, Eldridge G., assignor.)
General Electric Company. (See Merrill, Frank W., assignor.)
General Electric Company. (See Merrill, Wilbur L., assignor.)

General Electric Company. (See Mesick, Harry F., jr., assignor.)
General Electric Company. (See Mickey, Bruce D., assignor.)
General Electric Company. (See Mittag, Albert H., assignor.)
General Electric Company. (See Mittnacht, Josef, assignor.)
General Electric Company. (See Mohler, Francis, assignor.)
General Electric Company. (See Moles, Frank J., assignor.)
General Electric Company. (See Möller, Rolf, assignor.)
General Electric Company. (See Morrill, Wayne J., assignor.)
General Electric Company. (See Morse, Charles, assignor.)
General Electric Company. (See Moss, Sanford A., assignor.)
General Electric Company. (See Mullaney, Dudley A., assignor.)
General Electric Company. (See Müller, Gustav W., assignor.)
General Electric Company. (See Müller, G., and Weinmann, assignors.)
General Electric Company. (See Murphy, George F., assignor.)
General Electric Company. (See Narath, Albert, assignor.)
General Electric Company. (See Nerad, Anthony J., assignor.)
General Electric Company. (See Newkirk, B. L., and Grobel, assignors.)
General Electric Company. (See Nickle, Clifford A., assignor.)
General Electric Company. (See Niedergesass, Berthold F., assignor.)
General Electric Company. (See Nolte, Henry J., assignor.)
General Electric Company. (See Nordlander, Birger W., assignor.)
General Electric Company. (See Norris, Marvin L., assignor.)
General Electric Company. (See Okabe, Kinjiro, assignor.)
General Electric Company. (See O'Neil, James A., assignor.)
General Electric Company. (See Ostermeier, Johannes, assignor.)
General Electric Company. (See Pailin, George, assignor.)
General Electric Company. (See Palmer, Harry L., assignor.)
General Electric Company. (See Palueff, Konstantin K., assignor.)
General Electric Company. (See Pateau, Marcel, assignor.)
General Electric Company. (See Paxton, R., and Walle, assignors.)
General Electric Company. (See Pearce, Herbert, assignor.)
General Electric Company. (See Peek, Frank W., jr., assignor.)
General Electric Company. (See Perrott, Laurence F., assignor.)
General Electric Company. (See Pestarini, Joseph M., assignor.)
General Electric Company. (See Peterson, Charles F., assignor.)
General Electric Company. (See Pfalzgraff, Ross M., assignor.)
General Electric Company. (See Phillips, Edmund M., assignor.)
General Electric Company. (See Pickard, Greenleaf W., assignor.)
General Electric Company. (See Pirani, Marcello, assignor.)
General Electric Company. (See Pirani, M., Becker, and Reger, assignors.)
General Electric Company. (See Pirani, M., Ewest, and Rüttenauer, assignors.)
General Electric Company. (See Pirani, M., and Reger, assignors.)
General Electric Company. (See Platzer, George E., assignor.)
General Electric Company. (See Porter, Willard E., assignor.)
General Electric Company. (See Powers, James H., assignor.)
General Electric Company. (See Prager, Hans, assignor.)
General Electric Company. (See Pratt, William H., assignor.)
General Electric Company. (See Price, Edgar, assignor.)
General Electric Company. (See Priess, William H., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Prince, D. C., and Turnpenny, assignors.)
General Electric Company. (See Pringle, William A., assignor.)
General Electric Company. (See Proctor, John A., assignor.)
General Electric Company. (See Proctor, J. A., and Bailey, assignors.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Raube, William C., assignor.)
General Electric Company. (See Read, John C., assignor.)
General Electric Company. (See Reich, Heinrich, assignor.)
General Electric Company. (See Reimann, Erich, assignor.)
General Electric Company. (See Reist, Henry G., assignor.)
General Electric Company. (See Remscheid, Emil J., assignor.)
General Electric Company. (See Rhea, T. R., Tear, and Green, assignors.)
General Electric Company. (See Rice, Chester W., assignor.)
General Electric Company. (See Rieber, Frank, assignor.)
General Electric Company. (See Robinson, Ernest L., assignor.)
General Electric Company. (See Robinson, Lewis T., assignor.)
General Electric Company. (See Rogers, Robert H., assignor.)
General Electric Company. (See Rohlfs, Harry C., assignor.)
General Electric Company. (See Römhild, Edgar, assignor.)
General Electric Company. (See Ross, Aubrey A., assignor.)
General Electric Company. (See Rowe, William H., assignor.)
General Electric Company. (See Ruder, William E., assignor.)
General Electric Company. (See Sabbah, Camil A., assignor.)
General Electric Company. (See Sabbah, C. A., and Herskind, assignors.)
General Electric Company. (See Sabbah, C. A., and Whitney assignors.)
General Electric Company. (See St. Clair, Byron W., assignor.)
General Electric Company. (See St. Palley, Zoltan O., assignor.)
General Electric Company. (See Sampson, James M., assignor.)
General Electric Company. (See Sass, Friedrich, assignor.)
General Electric Company. (See Sawyer, Robert T., assignor.)
General Electric Company. (See Scheldorf, Marvel W., assignor.)
General Electric Company. (See Scherbius, Arthur, assignor.)
General Electric Company. (See Schermerhorn, Harmon L., assignor.)
General Electric Company. (See Schiebeler, Carl, assignor.)
General Electric Company. (See Schroeder, Richard, assignor.)
General Electric Company. (See Schubert, Paul, assignor.)
General Electric Company. (See Schuhmann, H., and Streuber, assignors.)
General Electric Company. (See Schwenkker, Charles F.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Electric Company. (See Seiz, Walter, assignor.)
General Electric Company. (See Severin, C. and Peters, assignors.)
General Electric Company. (See Shaffer, Arthur, assignor.)
General Electric Company. (See Skaupy, Franz, assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Smith, Chester W., assignor.)
General Electric Company. (See Smith, Edward B., assignor.)
General Electric Company. (See Smithells, Colin J., assignor.)
General Electric Company. (See Sohlberg, Erik G., assignor.)
General Electric Company. (See Sprong, Severn D., assignor.)
General Electric Company. (See Stack, George E., assignor.)
General Electric Company. (See Standerwick, Reginald G., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Stenzel, Heinrich, assignor.)
General Electric Company. (See Stephenson, Hugh M., assignor.)
General Electric Company. (See Stevens, Harry M., assignor.)
General Electric Company. (See Stewart, Clyde E., assignor.)

General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Sullivan, James H., assignor.)
General Electric Company. (See Summers, Claude M., assignor.)
General Electric Company. (See Swinney, John, assignor.)
General Electric Company. (See Taylor, Hamilton D., assignor.)
General Electric Company. (See Taylor, John B., assignor.)
General Electric Company. (See Tear, James D., assignor.)
General Electric Company. (See Thearle, Ernest L., assignor.)
General Electric Company. (See Thearle, E. L., and Hubbard, assignors.)
General Electric Company. (See Thomas, Henry P., assignor.)
General Electric Company. (See Thompson, Browder J., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Thompson, L. W., and Horsikotte, assignors.)
General Electric Company. (See Thompson, L. W., and Zucker, assignors.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Thumin, Carl, assignor.)
General Electric Company. (See Tischner, H., and Klaiber, assignors.)
General Electric Company. (See Tobey, Harry W., assignor.)
General Electric Company. (See Townsend, George R., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Trencham, H., and Heath, assignors.)
General Electric Company. (See Tripp, Augustus B., assignor.)
General Electric Company. (See Tröger, Richard, assignor.)
General Electric Company. (See Tschopp, Jacob, assignor.)
General Electric Company. (See Turner, Harold R., assignor.)
General Electric Company. (See Turner, Harry W., assignor.)
General Electric Company. (See Turnpenny, William H.)
General Electric Company. (See Tyrrell, Laurance E., assignor.)
General Electric Company. (See Umansky, Leonid A., assignor.)
General Electric Company. (See Unwin, Kenneth J., assignor.)
General Electric Company. (See Vance, Donald H., assignor.)
General Electric Company. (See van der Poel, J. M., and Gooskens, assignors.)
General Electric Company. (See van Liempt, Johannes A. M., assignor.)
General Electric Company. (See Vienneau, Jacob J.)
General Electric Company. (See Warner, Donald F., assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company. (See Warren, H. W. H., Garton, and Smith, assignors.)
General Electric Company. (See Watts, Noble H., assignor.)
General Electric Company. (See Webb, Roy L., assignor.)
General Electric Company. (See Weber, Louis J., assignor.)
General Electric Company. (See Webster, W. Stuart, assignor.)
General Electric Company. (See Weir, Irvin R., assignor.)
General Electric Company. (See Weir, I. R., and Richardson, assignors.)
General Electric Company. (See Welch, Alfred F., assignor.)
General Electric Company. (See Wellman, Bertram, assignor.)
General Electric Company. (See West, Harry R., assignor.)
General Electric Company. (See Whelan, Don W., assignor.)
General Electric Company. (See Whelan, Dow O., assignor.)
General Electric Company. (See Whitesmith, Isaac N., assignor.)
General Electric Company. (See Whiting, Max A., assignor.)
General Electric Company. (See Whitney, Chancy F., assignor.)
General Electric Company. (See Wiegand, Erich, assignor.)
General Electric Company. (See Wiegand, K., Ewest, and Reger, assignors.)
General Electric Company. (See Willard, Waldo W., assignor.)
General Electric Company. (See Williams, Selden T., assignor.)
General Electric Company. (See Williamson, Raymond H., assignor.)
General Electric Company. (See Willis, Clodius H., assignor.)
General Electric Company. (See Winckler, Gunnar A. F., assignor.)
General Electric Company. (See Winne, Harry A., assignor.)
General Electric Company. (See Winter, Fred H., assignor.)
General Electric Company. (See Winter, William F., jr., assignor.)
General Electric Company. (See Wood, Alexander P., assignor.)
General Electric Company. (See Woodruff, Henry S., assignor.)
General Electric Company. (See Woods, William J., assignor.)
General Electric Company. (See Yamazaki, Kunpei, assignor.)
General Electric Company. (See Young, A. P., and Griffiths, assignors.)
General Electric Company. (See Young, Charles J., assignor.)
General Electric Company. (See Zocher, Hans, assignor.)
General Electric Company. (See Zucker, Myron, assignor.)
General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
General Electric Vapor Lamp Company. (See Evans, William A. D., assignor.)
General Electric Vapor Lamp Company. (See Ferree, Howard M., assignor.)
General Electric Vapor Lamp Company. (See Foulke, Ted E., assignor.)
General Electric Vapor Lamp Company. (See Leblanc, Maurice A. E., assignor.)
General Electric Vapor Lamp Company. (See Mailey, Roy D., assignor.)
General Electric Vapor Lamp Company. (See Moehler, Otto J., assignor.)
General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
General Electric X-Ray Corporation. (See Page, Everett W., assignor.)
General Electric X-Ray Corporation. (See Stout, Charles F., assignor.)
General Electric X-Ray Corporation. (See Thelen, James S., assignor.)
General Electric X-ray Corporation. (See Wantz, Julius B., assignor.)
General Engineering Company. (See MacDonald, William T., assignor.)
General Findings & Supply Co. (See Cole, Arthur M., assignor.)
General Fire Extinguisher Company. (See Breidenthal, Charles H., assignor.)
General Fire Extinguisher Company. (See Eldredge, F. R., Newman, and Phillips, assignors.)
General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Fireproofing Company, The. (See Fitch, J. A., and Purnell, assignors.)
General Fireproofing Company, The. (See Gourley, G. T., and Purnell, assignors.)
General Foods Corporation. (See Borg, Henry L., assignor.)
General Foods Corporation. (See Douglas, Robert, assignor.)
General Foods Corporation. (See Loesch, Hugo G., assignor.)
General Gas Light Company. (See Humphrey, Hubert R., assignor.)
General Gas Light Company. (See Humphrey, H. R. and G. A., assignors.)
General Glass Corporation. (See Curtis, Edna H., jr., assignor.)
General Glass Corporation. (See Thomas, Robert W., assignor.)
General Health Corporation. (See Brown, Franklin, assignor.)
General Heating Specialty Company. (See Hauser, Martin, assignor.)
General Industries Company, The. (See Bonsieur, Le., assignor.)
General Industries Company, The. (See Lee, Claire M., assignor.)
General Instrument Corporation. (See Cohen, Samuel, assignor.)
General Kontrolar Company. (See Bossard, Gisbert L., assignor.)
General Laboratories, Inc. (See Keenan, John A., assignor.)
General Laboratories, Inc. (See Krueger, Richard E., assignor.)
General Linen Supply & Laundry Co. (See Troy, Max, assignor.)
General Machinery Corporation. (See Byerlein, Arthur A., assignor.)
General Mills, Inc. (See Bailey, Clyde H., assignor.)

General Mills, Inc. (See Lindgren, Frank O., assignor.)
General Motors Corporation. (See Anibal, Benjamin H., assignor.)
General Motors Corporation. (See Beringer, Roscoe, assignor.)
General Motors Corporation. (See Beringer, R., and Seaholm, assignors.)
General Motors Corporation. (See Berry, Otto C., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Brittain, Richard J., jr., assignor.)
General Motors Corporation. (See Brittain, R. J., jr., and Young, assignors.)
General Motors Corporation. (See Chambers, Raymond W., assignor.)
General Motors Corporation. (See Chapman, William H., assignor.)
General Motors Corporation. (See Chilton, Ralph H., assignor.)
General Motors Corporation. (See Church, Harold D., assignor.)
General Motors Corporation. (See Coughtry, William R., assignor.)
General Motors Corporation. (See Cram, L. V., and Wilson, assignors.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Crane, Henry M., assignor.)
General Motors Corporation. (See Crawford, James M., assignor.)
General Motors Corporation. (See Denyes, Harry M., assignor.)
General Motors Corporation. (See Doane, Harry C., assignor.)
General Motors Corporation. (See Dolza, John, assignor.)
General Motors Corporation. (See Dykstra, James, assignor.)
General Motors Corporation. (See Earl, Harley J., assignor.)
General Motors Corporation. (See Ellis, Lockwood B., assignor.)
General Motors Corporation. (See Erickson, A. G., and Johnson, assignors.)
General Motors Corporation. (See Fox, E. W., and Dirkes, assignors.)
General Motors Corporation. (See Frehse, Albert W., assignor.)
General Motors Corporation. (See Geistert, A. G., and Alt, assignors.)
General Motors Corporation. (See Gibbons, Harold R. assignor.)
General Motors Corporation. (See Gibson, George F., assignor.)
General Motors Corporation. (See Gilbert, Henry H., assignor.)
General Motors Corporation. (See Golden, Harry S., assignor.)
General Motors Corporation. (See Goodspeed, Elvin S., assignor.)
General Motors Corporation. (See Gundry, Eldon P., assignor.)
General Motors Corporation. (See Haeger, Frank W., assignor.)
General Motors Corporation. (See Hicks, Harlie H., assignor.)
General Motors Corporation. (See Hinger, John A., assignor.)
General Motors Corporation. (See Huffman, Werden D., assignor.)
General Motors Corporation. (See Humer, Frank, assignor.)
General Motors Corporation. (See Hunt, John H., assignor.)
General Motors Corporation. (See Hunt, Ormond E., assignor.)
General Motors Corporation. (See Hutchinson, Philip H., assignor.)
General Motors Corporation. (See Hutchinson, R. V., and McCuen, assignors.)
General Motors Corporation. (See Hutchison, Robert R., assignor.)
General Motors Corporation. (See King, Clarence E., assignor.)
General Motors Corporation. (See Kull, W. A., and Denyes, assignors.)
General Motors Corporation. (See Landers, Charles H., assignor.)
General Motors Corporation. (See Lavole, Alphonse J., assignor.)
General Motors Corporation. (See Le Jeune, Frank H., assignor.)
General Motors Corporation. (See Lenz, Arnold, assignor.)
General Motors Corporation. (See Lewellen, Albert R., assignor.)
General Motors Corporation. (See Loring, Thomas W., assignor.)
General Motors Corporation. (See Main, Frank L., assignor.)
General Motors Corporation. (See Manning, William H., assignor.)
General Motors Corporation. (See McCuen, Charles L., assignor.)
General Motors Corporation. (See McCuen, C. L., Dykstra, Smith, and Wolfram, assignors.)
General Motors Corporation. (See Milner, Wilfred R., assignor.)
General Motors Corporation. (See Nyland, Edward R., assignor.)
General Motors Corporation. (See Phillips, W. M., and Cole, assignors.)
General Motors Corporation. (See Prentis, Joseph N., assignor.)
General Motors Corporation. (See Proctor, George W., assignor.)
General Motors Corporation. (See Ragsdale, Edward T., assignor.)
General Motors Corporation. (See Rothrock, George L., assignor.)
General Motors Corporation. (See Rubert, Harold H., assignor.)
General Motors Corporation. (See Ruppert, Albert A., assignor.)
General Motors Corporation. (See Schittke, Robert, assignor.)
General Motors Corporation. (See Seaholm, Ernest W., assignor.)
General Motors Corporation. (See Shoemaker, Hervy B., assignor.)
General Motors Corporation. (See Simpson, E. G., and Berger, assignors.)
General Motors Corporation. (See Smarr, Benjamin M., assignor.)
General Motors Corporation. (See Spencer, Louis M., assignor.)
General Motors Corporation. (See Stallsmith, Marion E., assignor.)
General Motors Corporation. (See Sterling, Claude H., assignor.)
General Motors Corporation. (See Summers, Caleb E., assignor.)
General Motors Corporation. (See Taub, Alex, assignor.)
General Motors Corporation. (See Tenney, Perry L., assignor.)
General Motors Corporation. (See Tenney, P. L., and Fidler, assignors.)
General Motors Corporation. (See Tenney, P. L., and Le Gros, assignors.)
General Motors Corporation. (See Thompson, Earl A., assignor.)
General Motors Corporation. (See Udale, S. M., and Truxall, assignors.)
General Motors Corporation. (See Vargha, Andrew L., assignor.)
General Motors Corporation. (See Wagner, James H., assignor.)
General Motors Corporation. (See Wallbillich, J. J., and Potter, assignors.)
General Motors Corporation. (See Wetherald, Charles E., assignor.)
General Motors Corporation. (See Whyte, Robert, assignor.)
General Motors Corporation. (See Williams, Charles E., assignor.)
General Motors Corporation. (See Williams, James F., assignor.)
General Motors Corporation. (See Young, Otto W., assignor.)
General Motors Radio Corporation. (See Emmert, Rodger J., assignor.)
General Motors Radio Corporation. (See Gaubert, John Q., assignor.)
General Motors Radio Corporation. (See Newill, Edward B., assignor.)
General Motors Radio Corporation. (See Ritter, Carl C., assignor.)
General Motors Radio Corporation. (See Seabert, John D., assignor.)
General Motors Research Corporation. (See Albinson, Harold H., assignor.)
General Motors Research Corporation. (See Almen, John O., assignor.)
General Motors Research Corporation. (See Asire, Horace W., assignor.)
General Motors Research Corporation. (See Berry, George P., assignor.)
General Motors Research Corporation. (See Boegehold, Alfred L., assignor.)
General Motors Research Corporation. (See Boyd, T. A., and Campbell, assignors.)
General Motors Research Corporation. (See Chase, Theron P., assignor.)
General Motors Research Corporation. (See Chase, T. P., and Lee, assignors.)
General Motors Research Corporation. (See Clements, Frank O., assignor.)
General Motors Research Corporation. (See Ehrlich, J. and Almen, assignors.)
General Motors Research Corporation. (See Falge, Robert N., assignor.)
General Motors Research Corporation. (See Frederick, Charles W., assignor.)
General Motors Research Corporation. (See Gardiner, Arthur W., assignor.)

General Motors Research Corporation. (See Gardiner, A. W., and Ehrlich, assignors.)
General Motors Research Corporation. (See Hallett, George E. A., assignor.)
General Motors Research Corporation. (See Hutchinson, Roland V., assignor.)
General Motors Research Corporation. (See Lee, C. L., and Van De Grift, assignors.)
General Motors Research Corporation. (See Martin, Edward J., assignor.)
General Motors Research Corporation. (See Menges, Albert C., assignor.)
General Motors Research Corporation. (See Mougey, Harry F., assignor.)
General Motors Research Corporation. (See Mougey, H., and Short, assignors.)
General Motors Research Corporation. (See Schmidt, Karl, assignor.)
General Motors Research Corporation. (See Seelinger, Horace D., assignor.)
General Motors Research Corporation. (See Short, Charles R., assignor.)
General Motors Research Corporation. (See Summers, Caleb E., assignor.)
General Motors Research Corporation. (See Tyler, Tracy B., assignor.)
General Motors Research Corporation. (See Underwood, Arthur F., assignor.)
General Motors Research Corporation. (See Williams, H. M., and Bihlman, assignors.)
General Motors Research Corporation. (See Williams, H. M., and Boegehold, assignors.)
General Motors Research Corporation. (See Wirshing, R. J., and Faas, assignors.)
General Norit Company. (See Lourens, Cornelis, assignor.)
General Outdoor Advertising Co. (See French, Reginald D., assignor.)
General Packing Corporation. (See Northcutt, Robert T., assignor.)
General Paint Corporation. (See Kramer, Herman, assignor.)
General Paint Corporation. (See Wieland, C. F., assignor, and Hubbell.)
General Permanent Wave Corporation. (See Van Kirk, Howard R., assignor.)
General Petroleum Corporation of California. (See Hayes, Harry T., assignor.)
General Plate Company. (See Bush, Vannevar, assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Plate Company. (See Spencer, J. A., and Bush, assignors.)
General Radio Company. (See Lamson, Horatio W., assignor.)
General Railway Signal Company. (See Banner, Frank H., assignor.)
General Railway Signal Company. (See Benedict, Frank, assignor.)
General Railway Signal Company. (See Bodde, Theodore, assignor.)
General Railway Signal Company. (See Brach, Leon S., assignor.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See De Long, D. F., and Plink, assignors.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Hailes, William D., assignor.)
General Railway Signal Company. (See Hitchcock, Forest B., assignor.)
General Railway Signal Company. (See Hoppe, W. H., and Swanton, assignors.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Langdon, Andrew, assignor.)
General Railway Signal Company. (See Larkin, John J., assignor.)
General Railway Signal Company. (See Larry, Edwin C., assignor.)
General Railway Signal Company. (See Larson, Frederick C., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Railway Signal Company. (See Lindner, John C., assignor.)
General Railway Signal Company. (See Loftin, Edward H., assignor.)
General Railway Signal Company. (See Merkel, Joseph F., assignor.)
General Railway Signal Company. (See Merscreau, Donald W., assignor.)
General Railway Signal Company. (See Plank, Ray, assignor.)
General Railway Signal Company. (See Prescott, Charles W., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Renshaw, Alfred H., assignor.)
General Railway Signal Company. (See Ross, Oscar A., assignor.)
General Railway Signal Company. (See Stephenson, James E., assignor.)
General Railway Signal Company. (See Taylor, Herbert B., assignor.)
General Railway Signal Company. (See Vallée, Armand L., assignor.)
General Railway Signal Company. (See Wells, R. F., and Merserean, assignors.)
General Railway Signal Company. (See Whitehorn, Arthur R., assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
General Reduction Corporation. (See Smith, William H., assignor.)
General Refractories Company. (See Heuer, Russell P., assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
General Register Corporation. (See Helsel, R. H., and Pierson, assignors.)
General Register Corporation. (See Teague, Walter D., assignor.)
General Register Corporation. (See Zundt, John W., assignor.)
General Rubber Company. (See Esselen, G. J., jr., and Rose, assignors.)
General Rubber Company. (See McGavack, John, assignor.)
General Rubber Company. (See Rose, R. P., and Cude, assignors.)
General Salt Company. (See Girvin, Charles W., assignor.)
General Salt Company. (See Randolph, Frank K., assignor.)
General Spring Bumper Corporation. (See Brooke, Harold L., assignor.)
General Spring Bumper Corporation. (See Homan, Clayton H., assignor.)
General Spring Bumper Corporation. (See Horton, F. J., and Lewis, assignors.)
General Steel Castings Corporation. (See Beckette, Edmund S., assignor.)
General Steel Castings Corporation. (See Frede, C. F., and Hallquist, assignors.)
General Steel Castings Corporation. (See Frede, C. F., and Howard, assignors.)
General Steel Castings Corporation. (See Gilpin, G. G., and Small, assignors.)
General Steel Castings Corporation. (See Hahn, F. W., and Lamont, assignors.)
General Steel Castings Corporation. (See Hallquist, Einar G., assignor.)
General Steel Castings Corporation. (See Harley, J. J., and Beckette, assignors.)
General Steel Castings Corporation. (See Howard, Karl C., assignor.)
General Steel Castings Corporation. (See Howard, K. S., and Hallquist, assignors.)
General Steel Castings Corporation. (See Howard, K. S., and Jackson, assignors.)
General Steel Castings Corporation. (See Jackson, Edwin C., assignor.)
General Steel Castings Corporation. (See Kell, Clement W., assignor.)
General Steel Castings Corporation. (See Kell, C. W., and Ashe, assignors.)
General Steel Castings Corporation. (See Krautheim, W. C., and Howard, assignors.)
General Steel Castings Corporation. (See Meyer, W. H., Travilla, jr., and Jackson, assignors.)
General Steel Castings Corporation. (See Pfinger, Harry M., assignor.)
General Steel Castings Corporation. (See Pfinger, H. M., and Hallquist, assignors.)
General Steel Castings Corporation. (See Roepke, Walter G., assignor.)
General Steel Castings Corporation. (See Sheehan, William M., assignor.)
General Steel Castings Corporation. (See Travilla, James C., jr., assignor.)
General Steel Castings Corporation. (See Wintemberg, Adelbert C., assignor.)
General Steel Wares Limited. (See Allen, John H., assignor.)
General Talking Pictures Corporation. (See Barkey, Isaac H., assignor.)
General Talking Pictures Corporation. (See Blumenfeld, Arthur A., assignor.)
General Talking Pictures Corporation. (See Burnside, James H., assignor.)
General Talking Pictures Corporation. (See De Forest, Lee, assignor.)
General Talking Pictures Corporation. (See Ebeling, Charles W., assignor.)
General Talking Pictures Corporation. (See Ries, Elias E., assignor.)

General Talking Pictures Corporation. (See Seaholm, Charles H., assignor.)
General Tire & Rubber Company, The. (See Breth, Walter, assignor.)
General Tire & Rubber Company, The. (See Cunnington, George R., assignor.)
General Tire & Rubber Company, The. (See Denmire, Harold A., assignor.)
General Tire & Rubber Company, The. (See Dettling, Joseph J., assignor.)
General Tire & Rubber Company, The. (See Graham, Robert M., assignor.)
General Tire & Rubber Company, The. (See Hallinan, Edward A., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
General Tire & Rubber Company, The. (See Maranville, Alger A., assignor.)
General Tire & Rubber Company, The. (See Maranville, Harvey F., assignor.)
General Tire & Rubber Company, The. (See Remark, Isidore J., assignor.)
General Water Heater Corporation. (See Kay, Oscar J., assignor.)
General Water Purification Corporation. (See Few, Preston F., assignor.)
General Zeolite Company. (See Adelson, Samuel L., assignor.)
General Zeolite Company. (See Green, Walter H., assignor.)
General Zeolite Company. (See Green, Walter H., and Adelson, assignors.)
General Zeolite Company. (See Hodges, Albert B., assignor.)
General Zeolite Company. (See Hughes, Walter J., assignor.)
General Zeolite Company. (See Kean, Robert H., assignor.)
Gennrich, Paul, Maple Shade, N. J. Wick cleaner. 1,864,489; June 21.
Génova, Arturo, Madrid, Spain. Rescuing the crews of submarine boats. 1,841,178; Jan. 12.
Genovesi, Gustave, New York, N. Y. Dispensing device. 1,851,044; Mar. 29.
Genseckc, Max, Frankfort-on-the-Main, Germany. Continuous or intermittent vacuum distillation of mineral oils. 1,852,205; Apr. 5.
Genseckc, Maximilian, Frankfort-on-the-Main, Germany. Distilling mineral oils. 1,851,093; Mar. 29.
Genseckc, Wilhelm, Gonzenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Purification of fats and oils. 1,880,383; Oct. 4.
Genseckc, Wilhelm, Hamburg, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Method and apparatus for heating stills. 1,882,552; Oct. 11.
Genseckc, Wilhelm, Gonzenheim near Frankfort-on-the-Main, Germany. Distillation of mixed substances of which soap is a constituent. 1,889,652; Nov. 29.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic signaling device. 1,852,773; Apr. 5.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device. 1,890,904; Dec. 13.
Gent, Edgar W., Morristown, and L. M. Potts, Tenafly, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device. 1,852,774; Apr. 5.
Genter, Albert L., assignor to The Bartlett Hayward Company, Baltimore, Md. Recovery of metallic wastes from gas-washers for metallurgical furnaces. 1,847,179; Mar. 1.
Genter, Albert L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas washing method and apparatus. 1,845,945; Mar. 8.
Gentil, Alphonse C., Richmond, Va. Combined windshield wiper and heater. 1,860,281; May 24.
Gentil, Eugene, Paris, France. Control of heat conditions in glass furnaces. 1,892,462; Dec. 27.
Gentil, Eugene, Paris, France, assignor to The American Bicheroux Company, Wilmington, Del. Process and apparatus for delivering glass to a leer. 1,855,955; Apr. 26.
Gentil, Eugene, Paris, France, assignor to The American Bicheroux Company. Take-off and conveyer mechanism for intermittent sheet glass forming machines. 1,889,065; Nov. 29.
Gentil, Ignaz J., Berlin, Germany. Device for facilitating the putting on and taking off of stockings. 1,861,385; May 31.
Gentile, Frank T. (See Maccarone, F., and Gentile.)
Gentile, Frank T., and F. Maccarone, Brooklyn, N. Y. Heel for ladies' shoes. 1,844,248; Feb. 9.
Gentile, Joseph, East Boston, Mass. Safety and emergency bumper brake and locking mechanism. 1,882,138; Oct. 11.
Gentile, Robert, assignor to Bloomsburg Silk Mill, New York, N. Y. Textile fabric. Des. 88,643; Dec. 13.
Gentle, Robert Bruce, New York, N. Y. Portable massage and spray apparatus. 1,868,893; July 26.
Gentry, Carlyle W. (See Gentry, Chalmus C., and C. W.)
Gentry, Chalmus C., Bluefield, W. Va., and C. W. Gentry, Pocahontas, Va. Windshield wiper. 1,885,710; Nov. 1.
Gentry, Howard L., Buechel, and W. S. Park, Louisville, Ky. Pipe juncture. 1,853,411; Apr. 12.
Gentry, Jefferson F., Nashville, Tenn. Perforating device. 1,859,559; May 24.
Gentry, John H., near Greentown, Ind. Two row corn picker. 1,881,470; Oct. 11.
Gentslinger, George, Wapakoneta, Ohio. Broom holder. 1,852,588; Dec. 27.
Genung, Harrington S., Eveleth, Minn. Adjustable auto armrest. 1,892,048; Dec. 27.
Genzmer, Paul R., assignor to Gifford-Wood Company, Hudson, N. Y. Trolley bucket conveyer. 1,867,450; July 12.
Geocaris, Harry, Chicago, Ill. Hat cleaning and drying mechanism. 1,843,126; Feb. 2.
Geoghegan, Edward A., assignor to Supersteam Generator Company, New York, N. Y. Superheater for marine boilers. 1,887,754; Nov. 15.
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
Geometric Tool Company, The. (See Strickland, Royce M., assignor.)
Geoprich, Rudolph A., South Bend, Ind., and C. H. Taylor, Detroit, Mich., assignors to Bendix Brake Company, South Bend, Ind. Slack adjusting operating mechanism. 1,864,902; June 28.
Geophysical Research Corporation. (See Karcher, John C., assignor.)
Geophysical Research Corporation. (See Roman, Irwin, assignor.)
Geophysical Research Corporation. (See Rosaire, Esme E., assignor.)
Geophysical Research Corporation. (See Shaw, H., and Jones, assignors.)
George, Achilles K., Haverhill, Mass. Leather article and making the same. 1,871,785; Aug. 16.
George, Anthony, et al. (See Huber, John A., assignor.)
George, Anthony, Niagara Falls, N. Y., assignor, by mesne assignments, to Monsanto Chemical Works, St. Louis, Mo. Manufacture of benzoic acid, metallic benzoates, and alkyl benzoates. 1,866,849; July 12.
George, Arthur M., assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum and similar hard surfaced floor covering. 1,872,811; Aug. 16.
George, Carrie A., Hammond, Ind. Lingerie clasp. 1,852,714; Apr. 5.
George, Charles L. (See Vaughn, G. A., and George.)
George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trenching machine. 1,852,048; Apr. 5.
George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Endless belt traction device. 1,855,450; Apr. 26.
George, Charles L., Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company. Dipper-stick control for excavating machine. 1,851,151; Dec. 20.
George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Shovel type excavator. 1,892,526; Dec. 27.
George, Charles L., and W. G. Van Voorhis, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trenching machine. 1,892,525; Dec. 27.
George, Edgar E., assignor to The Burtonsess Tire Cover Company, Canton, Ohio. Embossed fabric product and making the same. 1,852,064; Apr. 5.
George, Enoch, jr. (See Deegan, W. J., and George.)
George, Enoch, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,845,046; Feb. 16.
George, Enoch, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,848,522; Mar. 8.
George, Frank N., Buffalo, N. Y. Apparatus for straining paint. 1,845,261; Feb. 16.
George, George C., Seattle, Wash., assignor to J. R. Dodson, Portland, Oreg. Fluid pressure brake retainer valve mechanism. 1,858,493; May 17.
George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Making ductile iron-chromium alloys having a cold-rolled finish. 1,859,698; May 24.
George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Removing oxide coatings from metals. 1,859,734; May 24.
George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Finished iron-chromium alloy article and making the same. 1,859,735; May 24.
George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Cleaning metal articles. 1,859,736; May 24.
George, Heber T., Sundalk, Md., assignor to Bethlehem Steel Company. Rod cooling and water eliminating apparatus. 1,874,959; Aug. 30.
George, Henri, Paris, France. Glass working furnace. 1,878,392; Sept. 20.
George, James S., assignor to Scovill Manufacturing Company, Waterbury, Conn. Street marker. 1,870,994; Aug. 9.
George, Jay L., Riverside, Calif. Compression stay for citrus fruit boxes. 1,889,092; Nov. 29.

George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling mill layout. 1,844,118; Feb. 9.

George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for preparing metal stock for use in pipe making. 1,852,237; Apr. 5.

George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Recuperative furnace construction. 1,858,720; Nov. 22.

George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Charging apparatus for metal-heating furnaces, and the like. 1,891,531; Dec. 20.

George, John E., assignor to The Alligator Company, St. Louis, Mo. Fabric and making the same. 1,877,394; Sept. 13.

George, Philip E., South Fork, Pa. Rafter for greenhouses, etc. 1,869,246; July 26.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 87,994; Oct. 18.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,079; Oct. 25.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,080; Oct. 25.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,527; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,528; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,529; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,530; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,531; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,532; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,533; Dec. 6.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,644; Dec. 13.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,767; Dec. 27.

George, Robert, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,844; Dec. 27.

George, Ross F., Seattle, Wash. Reservoir attachment for pens. 1,844,384; Feb. 9.

George, Ross F., Seattle, Wash. Pen. 1,852,112; Apr. 5.

George, Ross F., Seattle, Wash. Loud speaking reproducer. 1,877,294; Sept. 13.

George, Ross F., Seattle, Wash. Under and overfeeder for pens. 1,877,295; Sept. 13.

George, Thomas E. (See Sando, B., and George.)

George, William, Liberty, N. Y. Mattress or cushion cover. 1,874,440; Aug. 30.

Geraldson, Gerald, assignor to J. I. Case Company, Racine, Wis. Agricultural implement. 1,868,974; July 26.

Geraldson, Gerald, assignor to J. I. Case Company, Racine, Wis. Tractor cultivator. 1,879,181; Sept. 27.

Gerard, Paul, Laurel, Mont. Valve actuating mechanism for internal combustion engines. 1,840,314; Jan. 12.

Geratz, William H. (See Castle, Melvin J., assignor.)

Gerbel, Karl, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparing pigments fast to light. 1,859,868; May 24.

Gerber, Walter H. J., assignor to Schutte and Koerting Company, Philadelphia, Pa. Electrically controlled regulating means. 1,855,196; Nov. 1.

Gerdérés, Louis, Philadelphia, Pa. Core capping machine. 1,847,557; Mar. 1.

Gerdes, Adolf F., Berlin, Germany. Friction-wheel differential gear. 1,856,383; May 3.

Gerdes, Carl J. H., Hasbrouck Heights, N. J. Balance indicator for airplanes. 1,853,092; June 7.

Gerdien, Hans, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. Electrical fuse for high or low voltage. 1,856,701; May 3.

Gerdts, Gustav F., Bremen, Germany. Blow-off valve. 1,880,067; Oct. 25.

Gere, Clair M., Belfast, N. Y. Vented container and relief valve therefor. 1,857,015; May 3.

Gere, Wm. Lee, Liverpool, 1,853,092; June 7. (See Electric Devices, Inc., Elmira, N. Y. Apparatus for drying yarn. 1,862,261; June 7.

Gerencser, Stephen. (See Young, A., and Gerencser.)

Gerent, Paul, New Britain, Conn. Combined bird figure and pedestal. Des. 88,768; Dec. 27.

Gerhardt, Charles C., Douglas Manor, N. Y. Brush. 1,859,046; Apr. 19.

Gerhardt, Leonard, Baltimore, Md., assignor, by mesne assignments, to American Can Company, New York, N. Y. Lunch box. 1,850,202; Mar. 22.

Gerhardt, William F., Ann Arbor, Mich. Airplane. 1,864,996; June 28.

Gerhart, Arthur J., Lorain, Ohio. Signal operating switch. 1,868,527; July 26.

Gerin, Jacques, LeVallois-Perret, France. Wing surface with automatically variable curvature. 1,858,924; May 17.

Gerisch, Richard, Dusseldorf, Germany. Tuyère for cupola furnaces. 1,866,764; July 12.

Gerisch, Richard W., Los Angeles, assignor to Los Angeles Knitting Company, Hollydale, Calif. Garment. 1,879,893; Sept. 27.

Gerke, Roscoe H., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Production of synthetic rubber polymers. 1,854,186; Apr. 19.

Gerken, Heinrich, Wandsbek, Germany. Pump. 1,866,026; July 5.

Gerlach, Buddy. (See Gerlach, William, W. E., and B.)

Gerlach, Erwin, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Reproducer for sound films. 1,877,844; Sept. 20.

Gerlach, George L., Harrison, Nebr. Snow plow. 1,882,382; Oct. 11.

Gerlach, Robert M., Be lin-Halensee, Germany. Heavy metal naphthenate. 1,875,996; Sept. 6.

Gerlach, Will E. (See Gerlach, William, W. E., and Buddy.)

Gerlach, William, W. E., and Buddy, Memphis, Texas. Automatic sprinkler. 1,883,780; Oct. 18.

Gerline, Otto, Kalamazoo, Mich. Fishing rod holder. 1,836,477; May 24.

Gerline, Otto, Kalamazoo, Mich. Fishing rod holder. 1,877,845; Sept. 20.

Gerling, Fred A., Boise, Idaho. Automobile brake. 1,847,828; Mar. 1.

Gerling, Fred A., Boise, Idaho. Fluid pressure engine. 1,847,719; May 24.

Gerling, Fred A., Boise, Idaho. Rotary fluid compressor. 1,857,720; May 10.

Gerling, Fred A., Boise, Idaho. Hydraulic variable speed gearing. 1,881,471; Oct. 11.

Gerlinger, Carl F., Dallas, Oreg. Car axle drive for electric lighting systems and other purposes. 1,884,657; Oct. 25.

Gerlofson, Carl H. (See Nelson, T. J., and Gerlofson.)

Germain, Abraham J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Grooving tool. 1,890,052; Dec. 6.

Germain, Delmar L., Glen Elder, Kans. Poultry feeder. 1,890,778; Dec. 13.

German, Samuel Br., Rochester, N. Y., assignor to Taylor Sinaiko Company. Moving picture reel construction. 1,850,265; Mar. 22.

German, Howard M., Crafton, assignor to Universal Steel Company, Bridgeville, Pa. Hack saw blade. 1,858,705; May 17.

Germann, Emil, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of nitrogenous products. 1,842,018; Jan. 19.

Germer, Edmund. (See Meyer, F., Spanner, and Germer.)

Germiquet, John A. (See Merritt, Bertie O., assignor.)

Germond, Andrew F. (See Coy, Charles W., assignor.)

Germond, Henry S., jr., Bayonne, N. J. Floor lock for public elevators. 1,864,156; Apr. 12.

Germond, Oatmer, South Bend, Wash. Centrifugal gold and mineral separator. 1,854,253; Apr. 19.

Gernsheim Motor Corporation. (See Bathrick, Charles E., assignor.)

Gernandt Motor Corporation. (See Leonard, Howard M., assignor.)

Gernandt, Waldo G., Hayward, Calif. Diesel engine. 1,873,877; Aug. 23.

Gernelle-Danloy, Joseph E., Rouen, France. Grinding and mixing apparatus. 1,879,897; Sept. 27.

Gernhardt, Berthold, Berlin, Germany. Apparatus for the automatic production of inspissated sugar-fruits. 1,851,397; May 31.

Gero, Victor, Glenside, assignor to Pennsylvania Carpet Corporation, Philadelphia, Pa. Pile fabric loom. 1,861,004; May 31.

Gerold, Catlin, Los Angeles, Calif. Housing for universal joints. 1,883,688; Oct. 18.

Gerold, Catlin, Los Angeles, Calif. Housing for universal joints. 1,887,755; Nov. 15.

Geromanos, Hercules W., Boston, Mass. Educational apparatus. 1,874,279; Aug. 30.

Gerou, William H., Philadelphia, Pa., assignor to Self Lighting Cigarette Corporation of America. Cigarette lighter. 1,874,495; Aug. 30.

Gerow, Lyman C. (See Rasmussen, A. C., Dorward, and Gerow.)

Gerquest, Arthur S., Hasbrouck Heights, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Pulverized coal burning device. 1,875,808; Sept. 6.

Gerretsen, Frederik C., Groningen, Netherlands. Biological production of butyl alcohol and acetone. 1,858,808; May 17.

Gerry, Martin H., 3d, San Francisco, and C. J. Brooks, Redwood City, assignors to E. H. Edwards Co., San Francisco, Calif. Apparatus for heat treating wire. 1,858,398; May 17.

Gersh, Edward I. (See Carmichael, Eugene L., assignor.)
Gersman, Harvey M., Buffalo, N. Y. Production of expanded metal. 1,850,543; Mar. 22.
Gerstadt, Anton, Berlin-Charlottenburg, Germany. Multiple spindle automatic screw machine. 1,870,724; Aug. 9.
Gerstein, Frank. (See Wolfson, H., and Gerstein.)
Gerstein, Harry. (See Wolfson, H., and Gerstein.)
Gerstenslager, William H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine employed in manufacturing belts. 1,862,490; June 7.
Gerstenslager, William H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for testing belts. 1,875,439; Sept. 6.
Gerstheimer, George, Brooklyn, N. Y. Combination ash and cigarette receptacle. 1,840,604; Jan. 12.
Gerstmyer, William Edward, and W. Clayton, Baltimore, Md., assignors to Columbia Engineering and Management Corporation, New York, N. Y. Production of propylene. 1,871,786; Aug. 16.
Gerth, Felix, assignor to C. Lorenz Aktiengesellschaft Berlin-Tempelhof, Germany. Oscillation system. 1,881,472; Oct. 11.
Gerth, Ruth, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Receptacle for ashes and other material. Des. 86,911; May 10.
Gerth, Ruth, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Ash receptacle or similar article. Des. 87,779; Sept. 20.
Gertsfeld, Esther, New York, N. Y. Necktie. 1,858,009; May 10.
Gesell, William H., Montclair, N. J., assignor to A. S. Hinds Co., Bloomfield, N. J. Bottle. Des. 87,716; Sept. 6.
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Jobst, Günther, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Kummerer, Wilhelm, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Michelssen, Fritz, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Meisser, Alexander, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Rukop, Hans E., assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Tätz, Paul, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Georg, Graf, assignors.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See von Korschenewsky, Nicolai, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesche. (See Banos, Mendel, assignor.)
Gesellschaft für Electrische Apparate m. b. H. (See Hoel, Hermann, assignor.)
Gesellschaft für elektrische Apparate m. b. H. (See Vopel, J., and Oetker, assignors.)
Gesellschaft fur elektrische Isolierungen G. m. b. H. (See Beilhack, Emil, assignor.)
Gesellschaft für Linde's Eismaschinen A. G. (See Schultan, Paul, assignor.)
Gesellschaft für Verbrennung m. b. H. (See Knophius, Emil, assignor.)
Gesellschaft fur wirtschaftlichen Bahnoberbau m. b. H. (See Hellenbrand, assignor.)
Geske, Carl, and A. Ekman, Grand Rapids, assignors to Winters & Crampton Mfg. Co., Grandville, Mich. Concealed pin hinge. 1,873,473; Oct. 11.
Gessner, Ernst, Aktiengesellschaft. (See Wenzel, Emil, assignor.)
Gessner, Ernest, Worcester, Mass. Variable speed transmission mechanism. 1,878,486; Sept. 20.
Gessner, Firma Ernest, Aktiengesellschaft. (See Wenzel, Emil, assignor.)
Gestetner, David, Tottenham Hale, London, England, assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Duplicating machine. 1,872,727; Aug. 23.
Getaz, James L., Marrville, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y. Circular knitting machine. 1,891,204; Dec. 13.
Getaz, James L., Marrville, Tenn., assignor to Scott & Williams, Inc., New York, N. Y. Circular knitting machine. 1,891,215; Dec. 13.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,886,477; Nov. 8.
Getchell, Robert M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,880,083; Sept. 27.
Getz, John B., assignor to Interlocking Fence Co., Morton, Ill. Gate hinge. 1,877,846; Sept. 20.
Gettelman, Frederick, Milwaukee, Wis. Picking and tamping device. 1,841,802; Jan. 19.
Gettleman, Fredrick, Milwaukee, Wis. Snowplow. 1,891,046; Dec. 13.
Getty, Fred L., Jennings, La. Well screen. 1,845,265; Feb. 16.
Getz, Frank, assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Adjustable cooler bracket. 1,852,547; Apr. 5.
Getz, William G., Hammond, Ind. Piano. 1,886,864; Nov. 8.
Getzen, John E. (See Crowe, M. B., and Getzen.)
Geuting, Anthony H., Merion, Pa. Sweater or analogous article. Des. 87,209; June 21.
Gewalt, Herman F., assignor of one-half to W. J. Thuermann, Wilwaukee, Wis. Testing device for sprinkler systems. 1,875,233; Aug. 30.
Gewecke, Joseph G., M. I. Ellison, and W. H. Menking, Geneva, Nebr. Pressure operated switch. 1,890,376; Dec. 6.
Geyer, Bertram B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,860,325; May 24.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,847,758; Mar. 1.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Refrigerator cabinet construction. 1,853,044; Apr. 12.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Oscillating pivot joint. 1,861,791; June 7.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,861,792; June 7.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Resilient connection. 1,863,370; June 14.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Multiple hydraulic press for molding inlite battery boxes. 1,865,464; July 5.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Filler device. 1,865,465; July 5.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,869,099; July 26.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Composite molded article and mailing same. 1,869,141; July 26.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Casing for universal joints. 1,872,883; Aug. 16.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,871,981; Aug. 16.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Apparatus and method for molding composite articles. 1,882,482; Oct. 11.
Geyer, Harvey D., and L. P. Christman, assignors to The Inland Manufacturing Company, Dayton, Ohio. Resilient mounting bracket. 1,849,755; Feb. 9.
Geyling, Remigius, and P. Planer, Vienna, Austria; said Geyling assignor to said Planer. Device for projecting inclegrounds. 1,851,355; Oct. 4.
Geyser, Mathilde T., Elmhurst, N. Y. Signal lamp. 1,886,004; Nov. 1.
Gfroerer, Albert H., assignor to The Automatic Transportation Company, Inc., Buffalo, N. Y. Industrial truck. 1,876,219; Sept. 6.
Ghent, William E., assignor to Boggs Manufacturing Corporation, Atlanta, N. Y. Loading machine. 1,842,399; Jan. 26.
Ghent, William E., assignor to Boggs Manufacturing Corporation, Atlanta, N. Y. Sorting machine. 1,874,096; Aug. 30.
Gherassimoff, Nicolas, Bois, Colombes, assignor to Societe d'Avisseur Ferroviaire, France. Automatic signaling device operated by the oscillations of the rails. 1,864,016; June 21.
Ghilardi, Luigi, Genoa, Italy. Hull. 1,864,997; June 28.
Ghiselli, Guido, San Francisco, Calif. Combination driving and steering axle for motor vehicles. 1,850,921; Mar. 22.
Ghrist, David M., Glendale, Calif. Combined sinus and mastoid headrest. 1,857,503; May 10.
Giacetino, Rizo, Paris, France, assignor to Societé Holding des Brevets et Procedes Giacchino Pour l'Ebauchage Electrique. Société Anonyme, Geneva, Switzerland. Method of and apparatus for shaping metallic stock. 1,849,185; Mar. 15.
Giambertoni, Andrea, Milan, assignor to the Firm Societa Costruzione Apparecchi Elettrodomestici Marelli, Milan, Italy. Fan. 1,872,078; Aug. 16.
Gianollo, Giuseppe, Turin, Italy. Level gauge indicating at a distance the level of a liquid contained in a tank. 1,891,810; Dec. 20.
Giant Grip Mfg. Co. (See Akerberg, Carl G., assignor.)
Giard, Napoléon, Rougemont, Quebec, Canada. Table. 1,873,195; Aug. 23.
Gibb, Donald L. (See Collings, W. R., and Gibb.)
Gibb, William H. (See Brueckner, J. R., and Gibb.)
Gibb, William H., Bay City, Mich., assignor to Thompson-Gibb Electric Welding Company, Lynn, Mass. Electric welding apparatus. 1,861,005; May 31.
Gibbes, Albert E., Sydney, New South Wales, Australia. Darning mechanism. 1,888,917; Nov. 22.
Gibboney, Grace E., Seattle, Wash. Hose darning clamping ring. 1,856,320; May 3.
Gibbons, Charles J., Bridgeport, Conn. Rolling mill. 1,847,713; Mar. 1.
Gibbons, Charles J., Bridgeport, Conn. Coiling machine. 1,874,280; Aug. 30.
Gibbons, Frank J., Worcester, Mass. Shock absorber. 1,879,182; Sept. 27.

Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 1,869,890; Aug. 2.

Gibbons, William J., Philadelphia, Pa. Locking device for screws and the like. 1,871,684; Aug. 16.

Gibbons, Willis A. (See Ostromislensky, I., and Gibbons.)

Gibbons, Willis A., Montclair, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., Modifying vulcanizable material and product. Re13,691; Dec. 13.

Gibbons, Willis A., Montclair, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber latex and product. 1,864,060; June 21.

Gibbons, Willis A., Montclair, N. J., assignor to Morgan & Wright, Detroit, Mich. Method and apparatus for manufacturing rubber articles. 1,871,364; Aug. 9.

Gibbons, Willis A., Montclair, N. J., and E. Hazell, New York, N. Y., assignors to Revere Rubber Company, Providence, R. I. Manufacturing hard rubber dust and product. 1,849,920; Mar. 15.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 86,361; Mar. 1.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Campaign pin. Des. 86,882; May 3.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe lace tassel. Des. 87,052; May 31.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament or similar article. Des. 87,053; May 31.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 87,111; June 7.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 87,303; July 5.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 87,304; July 5.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 87,744; Sept. 13.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 87,778; Sept. 20.

Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 87,835; Sept. 27.

Gibbs, Charles K. (See also T. T. and Gibbs.)

Gibbs, Clara M., Frankfort, Ky. Reversible supporting and heating attachment for open grates. 1,846,129; Feb. 23.

Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Clutch drum. 1,851,197; Mar. 29.

Gibbs, George E., assignor to American Reenforced Paper Company, Attleboro, Mass. Paper reenforcing machine. 1,841,966; Jan. 19.

Gibbs, George E., assignor to American Reenforced Paper Company, Attleboro, Mass. Composite paper. 1,841,946; Jan. 19.

Gibbs, George E., assignor to American Reenforced Paper Company, Attleboro, Mass. Paper reenforcing machine. 1,850,301; Mar. 22.

Gibbs, George E., assignor to American Reenforced Paper Company, Attleboro, Mass. Waterproofed reenforced paper. 1,871,602; Aug. 16.

Gibbs, Jesse B., and A. M. Wiggins, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Transformer. 1,849,485; Mar. 15.

Gibbs, Jesse T., Long Beach, Calif. Game apparatus. Des. 86,836; Apr. 26.

Gibbs, Oscar D., et al. (See Titchener, Paul F., assignor.)

Gibbs, Oscar D., Rochester, assignor of one-third to Eric Ischinger, East Rochester, N. Y. Stapling machine. 1,881,474; Oct. 11.

Gibbs, Walter A., Holly Oak, Del. Collision detector and indicator. 1,855,016; Apr. 26.

Gibbs, Walter A., Holly Oak, Del. Animal trap. 1,890,377; Dec. 6.

Gibbs, Walter A., Chester, Pa. Animal trap. 1,871,510; Aug. 16.

Gibert, Alfred, Windsor, Conn. Carburetor. 1,839,475; Jan. 5.

Gibian, Eric H., Chicago, Ill., assignor to The Vitrolite Company, Securing device for panels or the like. 1,864,130; June 21.

Gibian, Eric H., Chicago, Ill., assignor to The Vitrolite Company. Table top or the like. 1,875,864; Sept. 6.

Gibilaro, Calogero, Brooklyn, N. Y. Spark plug. 1,845,607; Feb. 16.

Giblin, Marc A., West Allis, assignor of one-half to H. W. Bolens, Port Washington, Wis. Radio signaling. 1,858,937; Jan. 26.

Gibson, Alfred, Boston, Mass. Desk set. 1,886,091; Nov. 1.

Gibson, Allan R., Bristol, England. Extracting metals from ores, minerals, and other materials. 1,891,532; Dec. 20.

Gibson, Archie J., Chicago, Ill. Screw driver. 1,846,857; Feb. 23.

Gibson Art Company, The. (See Fernseding, Edward J., assignor.)

Gibson, Carson C., assignor to Two Way Electric Grinder Company, Hamburg, Iowa. Grinding machine. 1,856,808; May 3.

Gibson, Earl S. (See Johnson, L. H., and Gibson.)

Gibson, Edward, jr., assignor of one-half to R. S. Mahaffy, Wilmington, Del. Ash receiver. 1,887,903; Nov. 15.

Gibson, Francis W., West Roxbury, Mass., assignor to The H. D. Beach Company, Coshocton, Ohio. Display device. 1,842,262; Jan. 19.

Gibson, George F., Luton, England, assignor to General Motors Corporation, Detroit, Mich. Vibration damper. 1,872,126; Aug. 16.

Gibson, George H., Upper Montclair, N. J. Combustion control for gas producers. Re18,356; Feb. 23.

Gibson, George H., Upper Montclair, N. J. Variable speed transmission. 1,887,505; Nov. 15.

Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Water deaeration. 1,879,930; Sept. 27.

Gibson, George H., Upper Montclair, N. J., and H. C. Mitchell, assignors to Cochrane Corporation, Philadelphia, Pa. Apparatus for handling material in measured quantities. 1,843,552; Feb. 2.

Gibson, George M., assignor to Woodrow Washing Machine Company, Pella, Iowa. Agitator for washing machines. 1,859,033; May 17.

Gibson, Granville F., Shreveport, La. Coin handling mechanism for vending machines, telephones, etc. 1,873,755; Aug. 23.

Gibson, Granville F., Shreveport, La. Automatic changeable sign exhibiting machine. 1,873,756; Aug. 23.

Gibson, Guy T., Incorporated. (See Gibson, Guy T., assignor.)

Gibson, Guy T., New Rochelle, assignor to Guy T. Gibson, Incorporated, New York, N. Y. Bottle. Des. 86,566; Mar. 22.

Gibson, Guy T., New Rochelle, assignor to Guy T. Gibson, Incorporated, New York, N. Y. Carton. Des. 86,567; Mar. 22.

Gibson, Harry S., and J. R. McLean, Newton Lower Falls, Mass. Auto traction and antiskid device. 1,889,241; Nov. 29.

Gibson, James P. (See Alexander, F., and Gibson.)

Gibson, Jesse G., Bradford, Pa. Power mechanism for motors. 1,873,393; Aug. 23.

Gibson, John L., Brooklyn, N. Y. Fluid circulating device for boiler tubes. 1,858,665; May 17.

Gibson, Louis D., assignor to The W. F. Tubbs Company, Norway, Me. Mold. Des. 86,019; Jan. 19.

Gibson, Louis D., assignor to The W. F. Tubbs Company, Norway, Me. Foot rest. Des. 86,020; Jan. 19.

Gibson, Louis D., assignor to W. F. Tubbs Company, Norway, Me. Racket chair. 1,876,408; Sept. 6.

Gibson, Marshall D., Webster Groves, Mo. Multitop table. 1,851,475; Oct. 1.

Gibson, Millard A. (See Spaeth, F. C., and Gibson.)

Gibson, Milne, Lyrup, River Murray, South Australia, Australia, assignor to The Guardian Trust Company, Cleveland, Ohio, as trustee for Gibson Patent Containers, Ltd. Carton or container. 1,870,679; Aug. 9.

Gibson, Milne, Lyrup, River Murray, South Australia, Australia, assignor to The Guardian Trust Company, Cleveland, Ohio, trustee for Gibson Patent Containers, Ltd. Cardboard box and carton. 1,870,680; Aug. 9.

Gibson, Owen H., Portland, Ind. Brake lining composition. 1,876,910; Sept. 13.

Gibson Patent Containers, Ltd. (See Gibson, Milne, assignor.)

Gibson Patent Containers, Ltd. (See Page, John E., assignor.)

Gibson, Preston C., Gillespie, Ill. Receptacle opener. 1,862,480; June 7.

Gibson, Ransom P., and H. W. Woody, Beverly, Kans., assignors of one-third to W. W. McCanles. Rodent and vermin poison device. 1,856,809; May 3.

Gibson Refrigerator Company. (See Belding, Harry H., assignor.)

Gibson Refrigerator Company. (See Smith, Russell T., assignor.)

Gibson Refrigerator Company. (See Smith, Russell T., and C. H., assignors.)

Gibson, Samuel H., Lakewood, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Paint stirrer. 1,841,434; Jan. 19.

Gibson, Samuel H., Lakewood, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Agitator. 1,841,435; Jan. 19.

Gibson, Samuel H., Lakewood, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Chaplet. 1,858,494; May 17.

Gibson, Thomas A., Brooklyn, N. Y. Adjustable supporter for wire stitching machines. 1,852,298; Apr. 5.

Gibson, Thomas A., Brooklyn, N. Y. Spring toggle adjustment for wire stitching machines. 1,878,274; Sept. 20.

Gibson, Wilfrid, and J. B. Payman, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of esters. 1,877,847; Sept. 20.

Gibson, William. (See Taylor, H., and Gibson.)

Gibson, William A., assignor to Bradley Pulverizer Company, Allentown, Pa. Air separator. 1,876,911; Sept. 13.

Gibson, William C., and A. Gabriel, Chicago, Ill., assignors of one-third to Acme Industrial Co. Compressor. 1,857,276; May 10.

Gibson, Wm. D., Company, The. (See Shailer, P. B., and Troendly, assignors.)

Gibson, William D., Company. (See Troendly, H. P., and Pareira, assignors.)

Gibson, William E., Henderson, Tenn. Garment hanger. 1,892,049 ; Dec. 27.
Giddings, Frank D., Fort Collins, Colo. Grinding machine. 1,840,893 ; Jan. 12.
Giddings & Lewis Machine Tool Co. (See Gallimore, Keith F., assignor.)
Gideon, Victor W., Chicago, Ill., assignor to Wilson Jones Company. Posting tray. 1,881,476 ; Oct. 11.
Gideon, Victor W., Chicago, Ill., assignor to Wilson Jones Company. Posting tray. 1,881,477 ; Oct. 11.
Giebe, Erich, and A. Scheibe, Charlottenburg, near Berlin, Germany, assignors to Radio Corporation of America. Piezo-electric balance. 1,860,345 ; May 24.
Giebe, Erich, and A. Scheibe, Berlin, Germany, assignors to Radio Corporation of America. Vibrating crystals. 1,869,556 ; Aug. 2.
Giebe, Erich, and A. Scheibe, Berlin, Germany, assignors to Radio Corporation of America. Vibrating crystals. 1,874,900 ; Aug. 30.
Giers, James R., assignor to Detroit Boring Bar Company, Detroit, Mich. Adjustable cutter. 1,853,971 ; Apr. 12.
Giersbach, Julius. (See von Reiche, L., and Giersbach.)
Giertz-Hedström, Sig. (See Ståhlman, O., Werner, and Giertz-Hedström.)
Gies, Jakobus R., Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Collecting electrode for electrical precipitation apparatus. 1,854,650 ; Apr. 19.
Giese, August F., jr., Gary, Ind. Mud gun. 1,852,559 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Mud gun. 1,852,560 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Mud gun carriage. 1,852,561 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Clay gun. 1,852,562 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Clay gun carriage and locking means. 1,852,563 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Clay gun. 1,852,564 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Lubrication and protection for clay gun screw drives. 1,862,565 ; Apr. 5.
Giese, August F., jr., Gary, Ind. Clay gun structure. 1,881,478 ; Oct. 11.
Giese, August F., jr., Gary, Ind. Clay gun piston position indicating means. 1,881,479 ; Oct. 11.
Giese, August F., jr., Gary, Ind. Slag ladle and carrier. 1,890,150 ; Dec. 6.
Giese, Hans L. F., Santa Barbara, Calif. Copyholder. 1,855,286 ; Apr. 26.
Giese, Lewis. (See Smythe, R. L., and Giese.)
Giesey, Russell. (See Behnke, G. E., and Giesey.)
Giesl-Gieslingen, Adolf, New York, N. Y. Self-cleaning locomotive appliance. 1,869,412 ; Aug. 2.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Expansion absorber. 1,870,902 ; Aug. 9.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Dispensing tube. 1,870,903 ; Aug. 9.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Attachment of heads to bellows. 1,870,904 ; Aug. 9.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Expansion joint. 1,873,703 ; Aug. 23.
Giesler, Jean V., assignor, by mesne assignments, to The Fulton Syphon Company, Knoxville, Tenn. Method and machine for testing thin strips. 1,882,892 ; Oct. 18.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Valve. 1,882,803 ; Oct. 18.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Temperature or pressure regulator. 1,885,711 ; Nov. 1.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Tubular vessel and method of manufacture. 1,886,803 ; Nov. 8.
Giesler, Jean V., Knoxville, Tenn., and F. K. Bezzenberger, Cleveland, Ohio, assignors to The Fulton Syphon Company, Knoxville, Tenn. Making tubular metallic bellows. 1,844,469 ; Feb. 9.
Giffen, Otto A., Newark, Ohio. Brooder. 1,848,420 ; Mar. 8.
Giffen, William W., Pittsburgh, and C. W. Carter, Mt. Lebanon, assignors to The International Liquid Coffee Company, Pittsburgh, Pa. Making liquid coffee extract. 1,891,383 ; Dec. 20.
Gifford, Albert J., assignor to Leland-Gifford Company, Worcester, Mass. Multi-spindle tapper. 1,887,091 ; Nov. 8.
Gifford, Carl E., Middletown, assignor to The American Rolling Mill Company, Middletown, Ohio. Treating silicon steel. 1,842,162 ; Jan. 19.
Gifford, Georgiana S., Ocean Grove, N. J. Combined leaf turner and bookmark. 1,844,507 ; Feb. 9.
Gifford, Jane C. New York, N. Y. Bust supporter. 1,890,507 ; Dec. 13.
Gifford, William A., Lansing, Mich. Valve. 1,872,928 ; Aug. 23.
Gifford-Wood Company. (See Aimes, Francis M., assignor.)
Gifford-Wood Company. (See Brinley, Clarence C., assignor.)
Gifford-Wood Company. (See Cook, Richard C., assignor.)
Gifford-Wood Company. (See Durbin, Stanley H., assignor.)
Gifford-Wood Company. (See Genzmer, Paul R., assignor.)
Gifford-Wood Company. (See Hallenbeck, Harold E., assignor.)
Gifford-Wood Company. (See Harding, Howard V., assignor.)
Gifford-Wood Company. (See Mercer, William B., assignor.)
Gifford-Wood Company. (See Peebles, Frank B., assignor.)
Gifford-Wood Company. (See Stair, Daniel E., assignor.)
Gifford-Wood Company. (See Stair, D. E., and McDonald, assignors.)
Gifford-Wood Company. (See Uline, Michiel J., assignor.)
Gifford-Wood Company. (See Durbin, Stanley H., assignor.)
Giger, Albert, Vancouver, British Columbia, Canada. Sharp freezing foodstuffs and means therefor. 1,847,956 ; Mar. 1.
Gilbanks, John P., Little Neck, N. Y. Flower holder. Des. 87,005 ; May 24.
Gilbert, A. C., Company, The. (See Anketell, Edward N., assignor.)
Gilbert, A. C., Company, The. (See Arnold, Arthur A., assignor.)
Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
Gilbert, A. C., Company, The. (See Gilbert, A. C., and Anketell, assignors.)
Gilbert, A. C., Company, The. (See Lanz, John, assignor.)
Gilbert, Albert P., assignor to The Gilbert Shoe Co., Thlensville, Wis. Shoe construction. 1,885,598 ; Nov. 1.
Gilbert, Alfred C., North Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,868,496 ; July 26.
Gilbert, Alfred C., Hamden, and E. N. Anketell, assignors, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Hoisting apparatus. 1,860,835 ; May 31.
Gilbert, B. H. (See Gilbert, David, assignor.)
Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gilbert & Barker Manufacturing Company. (See Logan, Joseph A., assignor.)
Gilbert & Barker Manufacturing Company. (See Logan, J. A., and De Lancey, assignors.)
Gilbert, Charles A., Allentown, Pa. Resilient seat for rails. 1,845,912 ; Feb. 16.
Gilbert, Charles E., New York, N. Y. Method of and apparatus for displaying rugs and other articles. 1,859,269 ; May 17.
Gilbert, Clyde L., Terre Haute, Ind. Novelty package. 1,860,710 ; May 31.
Gilbert, David, assignor of one-half to B. H. Gilbert, West New York, N. J. Sign. 1,881,371 ; Oct. 4.
Gilbert, Elwood W., Allentown, Pa. Paper roll holder. 1,861,601 ; Jan. 26.
Gilbert, Fred, Oswego, Oreg. Automobile heating apparatus. 1,864,901 ; June 28.
Gilbert, Henry H., assignor to General Motors Corporation, Detroit, Mich. Lubrication. 1,859,438 ; May 24.
Gilbert, John. (See Freedman, S., and Gilbert.)
Gilbert, John J., Douglaston, assignor to Western Electric Company, Incorporated, New York, N. Y. Loaded submarine cable. 1,840,089 ; Jan. 5.
Gilbert, John J., Douglaston, assignor to Western Electric Company, Incorporated, New York, N. Y. Tapered loading of conductors. 1,856,702 ; May 3.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Conductor. 1,860,500 ; May 31.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling cable. 1,874,281 ; Aug. 30.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Continuously loaded communication conductor. 1,881,480 ; Oct. 11.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Duplex telegraph system. 1,881,481 ; Oct. 11.
Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling cable. 1,861,851 ; June 7.
Gilbert, John W., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizer for lead chromate pigments. 1,882,804 ; Oct. 18.
Gilbert, Lloyd D., Los Angeles, Calif. Multistage pneumatic pump. 1,875,440 ; Sept. 6.
Gilbert, Louis H., Hartford, Conn. Type casting matrix. 1,859,689 ; Oct. 18.
Gilbert, Mason G., assignor to The African Tin Recovery Company Limited, Port Elizabeth, South Africa. Recovery of tin from scrap tin plate and like tin bearing materials. 1,859,919 ; May 24.
Gilbert, Neil S., and A. L. Fletcher, Springfield, Mass. Radio apparatus. 1,876,287 ; Sept. 6.
Gilbert, Octavus C., and J. L. Ariedge, Hattiesburg, Miss. Fire alarm. 1,840,894 ; Jan. 12.
Gilbert Shoe Co., The. (See Gilbert, Albert P., assignor.)

Gilbert, Victor G. W., London, England, assignor to American-LaFrance and Foamite Corporation, New York, N. Y. Fire extinguisher. 1,888,316; Nov. 22.

Gilbert, Walter E., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Volume control. 1,889,018; Nov. 29.

Gilbert, Walton, Pasadena, assignor to Shell Oil Company, San Francisco, Calif. Maximum inclination gauge. 1,851,169; Mar. 29.

Gilbert, William L., Richmond, Va., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Water hammer and relief valve. 1,846,483; Feb. 23.

Gilbert, William L., Clock Company. (See Hodge, Albert F., assignor.)

Gilbert, William L., Clock Company. (See Thompson, N. F., jr., and Williams, assignors.)

Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,853,206; Apr. 12.

Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,862,012; June 7.

Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale indicator control. 1,879,183; Sept. 27.

Gilchrist, Benjamin W. (See McCullough, J. F. K., and Gilchrist.)

Gilchrist Company, The. (See Cox, John W., assignor.)

Gilchrist, Louis J. (See Domm, Charles, assignor.)

Gilchrist, William A., Chicago, Ill. Furnace. 1,839,960; Jan. 5.

Gilchrist, William A., Chicago, Ill. Furnace. 1,865,753; July 5.

Gildemeister, August A., Toledo, Ohio. Dispensing equipment. 1,874,496; Aug. 30.

Gildemeister, August A., Toledo, Ohio. Check control mechanism. 1,874,497; Aug. 30.

Gildemeister, Walther. (See Tideman, Wilhelm, assignor.)

Gilden, Meyer W., Annapolis, Md. Wheel rack. 1,848,007; Mar. 1.

Gile, Theodore A., assignor of one-half to E. C. Wild, Palo Alto, Calif. Chimney protector and drain. 1,855,656; Feb. 16.

Giles, Dean R., Kansas City, Mo., assignor of twenty-four and one-half per cent to J. S. Bryan and twenty-four and one-half per cent to F. Beaman, Oklahoma City, Okla. Velocity retarding device for fluid conveying pipe lines. 1,858,241; May 17.

Giles, Frank C., assignor to Spillers Limited, London, England. Apparatus for controlling the delivery of articles from chutes. 1,855,047; Apr. 19.

Giles, Harvey, Brooklyn, N. Y., assignor to Artemus Ward Inc. Vending machine. 1,847,940; Mar. 1.

Giles, Harvey, Brooklyn, N. Y., assignor to Artemus Ward Inc. Vending machine. 1,861,212; May 31.

Giles, Harvey, Brooklyn, N. Y., assignor to Collier Advertising Service, Inc., New York, N. Y. Vending machine. 1,887,197; Nov. 8.

Giles, Harvey, Brooklyn, assignor to Collier Advertising Service, Inc., New York, N. Y. Vending machine. 1,887,198; Nov. 8.

Giles, Julian A., Derby, Conn. Box machine. 1,858,706; May 17.

Giles, Louis E., et al. (See Ludlow, Israel, assignor.)

Giles, Oscar H., Windsor, Ontario, Canada, assignor to Detroit Vapor Stove Company, Detroit, Mich. Enameled article and method of assembling same. 1,883,897; Oct. 25.

Giles, Walter D., Shreveport, La. Air-water oil lift. 1,851,827; Mar. 29.

Giles, William R. (See Pasternack, R., and Giles.)

Gilfillan, Roy H., and A. L. Riche, St. Paul, Minn. Container. 1,851,957; Mar. 29.

Gilgenberg, Paul, Cologne-on-the-Rhine, Germany. Device for withdrawing low pressure gases from high pressure vessels. 1,883,690; Oct. 18.

Gilham, Dilman C., Schuylkill Haven, Pa. Molding process. 1,865,097; June 28.

Gilhool, Edward W., Philadelphia, Pa. Radiator inclosure. 1,851,386; Mar. 29.

Gilkerson, James F., Milwaukee, Wis. Shoe. 1,852,238; Apr. 5.

Gilkey, Earl Y., East Syracuse, N. Y. Closure operator. 1,873,381; Aug. 23.

Gilkison, E. P., & Sons Company. (See Gilkison, Warren L., assignor.)

Gilkison, Warren L., assignor to E. P. Gilkison & Sons Company, Terra Haute, Ind. Trailer body. 1,881,482; Oct. 11.

Gill, Donald W., Cincinnati, assignor to The Frank F. Taylor Company, Norwood, Ohio. Vehicle. Des. 87,054; May 31.

Gill, Ernest W. B., Oxford, England, assignor to Radio Corporation of America. Producing magnification with a four electrode valve and circuits therefor. 1,861,231; May 31.

Gill, Ernest W. B., Oxford, England, assignor to Radio Corporation of America. Four electrode valve and the operation thereof. 1,861,232; May 31.

Gill, Harry C. (See Warren, Leon R., assignor.)

Gill, James H., Steubenville, Ohio. Refractory. 1,852,713; Apr. 5.

Gill, Samuel A., assignor of one-half to Z. D. Dunlap and H. B. Dunlap, Ames, Iowa. Cornstalk fiber composition. 1,866,204; July, 5.

Gill, Stanley. (See McGary, S. U., Rogers, and Gill.)

Gill, Stanley, and S. U. McGary, assignors to Gulf Production Company, Houston, Tex. Protecting an immersed surface from corrosive action. 1,854,898; Apr. 19.

Gill, Thomas, Jersey, Calif. Asparagus trimmer. 1,866,027; July 5.

Gillam, Earnest O., Fort Worth, Tex. Lubricator for motor vehicles and the like. 1,887,199; Nov. 8.

Gillaspie, Rossie, Philpot, Ky. Mop holder. 1,845,408; Feb. 16.

Gillen, Daniel A. (See Seymour, F. W., and Gillen, assignors.)

Gilleo, Acie J., assignor to The Outrite Fire Extinguisher Corporation, Detroit, Mich. Fire extinguishing compound. 1,891,673; Dec. 20.

Giller, Theodor, Mulheim-Ruhr, Germany. Apparatus for transforming molten matter such as slag into frothy porous matter. 1,843,716; Feb. 2.

Gillespie, Charles E., Seymour, Ind. Compartment building. 1,857,189; May 10.

Gillespie, George D., Kansas City, Mo. Beet harvester and potato digger. 1,883,691; Oct. 18.

Gillespie, Howard E., Malden, assignor of one-half to D. J. Abrahams, Boston, Mass. Photograph album. 1,877,476; Sept. 13.

Gillespie, Kinsley A., assignor to The Stamford Rubber Supply Company, Stamford, Conn. Rubber substitute. 1,869,557; Aug. 2.

Gillespie, Robert E., Springfield, Mo. Advertising apparatus. 1,855,287; Apr. 26.

Gillespie, Paul E., St. Louis, Mo. Folding post card. 1,886,669; Nov. 8.

Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Paper strip distributing, cutting, and moistening machine. 1,860,668; May 31.

Gillet, Alexis F., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Warning signal. 1,869,142; July 26.

Gillet, Cyprien, Bordeaux, France. Manufacture of resinous soaps. 1,853,807; Apr. 12.

Gillet, René, Montrouge, France. Rear suspension of motor cycles. 1,865,896; July 5.

Gillett, Edward H. J. C., Hampstead, London, England. Friction clutch. 1,851,284; Jan. 22.

Gillett, Edward H. J. C., Maida Vale, London, England. Transmission system. 1,882,805; Oct. 18.

Gillett, Edward H. J. C., West Hampstead, London, England. Friction clutch for the transmission of power. 1,882,806; Oct. 18.

Gillett, Edward H. J. C., West Hampstead, London, England. Transmission system. 1,882,807; Oct. 18.

Gillett, Glenn D., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio transmission system. 1,881,483; Oct. 11.

Gillett, Glenn W., assignor to Novo Engine Company, Lansing, Mich. Bearing for engine crankshafts. 1,873,382; Aug. 23.

Gillett, Horace W., and H. C. Cross, Columbus, Ohio. Bearing alloys. 1,864,240; June 21.

Gillett, Lowry, Syossett, assignor to General Chemical Company, New York, N. Y. Drying tower. 1,862,746; June 14.

Gillette, George P., Lake Worth, Fla. Toy gun. 1,864,756; Feb. 9.

Gillette Rubber Co. (See Hutchens, H. O., and Krause, assignors.)

Gillette Rubber Company. (See Krause, Arnold R., assignor.)

Gillette Rubber Company. (See Krause, A. R., and Hirsch, assignors.)

Gillette Rubber Company. (See Krause, A. R., and Hutchens, assignors.)

Gillette Safety Razor Company. (See Bodkin, Irving S., assignor.)

Gillette Safety Razor Company. (See Gaisman, Henry J., assignor.)

Gillette Safety Razor Company. (See Gaisman, H. J., and Schumacher, assignors.)

Gillette Safety Razor Company. (See Molkenthin, Joseph, jr., assignor.)

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Gillette Safety Razor Company. (See Nickerson, William E., assignor.)

Gillette Safety Razor Company. (See Smith, Theodore L., assignor.)

Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)

Gillette Safety Razor Company. (See Thompson, Ralph E., assignor.)

Gillette Safety Razor Company. (See Thompson, R. E., and Smith, assignors.)

Gillette Safety Razor Company. (See Witter, Lawrie L., assignor.)

Gillette-Vibber Company, The. (See Lee, Henry B., assignor.)

Gilliam, Lusious E., Asheville, N. C. Lubricating device. 1,877,848; Sept. 20.

Gillian, Herman A., Coshocton, Ohio. Gloves. 1,875,441; Sept. 6.

Gillies, Hugh, Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Brake drum. 1,847,714; Mar. 1.

Gillies, Gordon I. (See Wiley, E. W., and Gillies.)

Gillies, William R., assignor to Union Asbestos and Rubber Company, Chicago, Ill. Heat insulating material. 1,875,297; Aug. 30.

Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Twister ring and traveler. 1,848,167; Mar. 8.

Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Twisting machine. 1,865,897; July 5.

Gilligan, George H., Providence, R. I., assignor to U. S. Ring Traveler Company. Spinning or twisting device. 1,880,084; Sept. 27.

Gilligan, James P., and G. W. Edwards, Toledo, Ohio. Automatic train controlling apparatus. 1,881,484; Oct. 11.

Gilliland, Leonard R. (See Leibold, F., and Gilliland.)

Gillin, Theobald M., Aldan, assignor of one-third to W. W. Patton and one-third to A. Wine, Philadelphia, Pa. Pipe hickey. 1,883,692; Oct. 18.

Gilling, Preston, Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,841,582; Jan. 19.

Gilling, Preston, Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condensers. 1,878,631; Sept. 20.

Gillings, Charles, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,841,725; Jan. 19.

Gillis, George H., Fitchburg, Mass. Shoe. 1,867,003; July 12.

Gillis, Joseph R., and F. P. Kaiser, Lansing, Mich. Aircraft propeller. 1,891,384; Dec. 20.

Gillis, Robert (See Andrews, J. W., and Gillis.)

Gillis, Randall, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making magnetic structures. 1,845,144; Feb. 16.

Gillis, Randall, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic core and method of making the same. 1,871,317; Aug. 9.

Gillis, Randall, La Grange, and J. C. Morison, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Molding die. 1,855,855; Apr. 26.

Gilmor, James H. (See Upright, R. B., and Gilmor.)

Gilmoy, William, and R. E. Stubbuck, assignors to Metal Stampings Corporation, Streator, Ill. Work box. 1,839,216; Jan. 5.

Gilly, Charles G., Wausau, Wis. Airplane engine heater. 1,862,314; June 7.

Gilman, George H., Belmont, Mass., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, New York, N. Y. Rock drill. 1,848,340; Mar. 8.

Gilman, George H., Belmont, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Drill bit. 1,873,757; Aug. 23.

Gilman, Leonard L., assignor to Lyric Optical Co., Cincinnati, Ohio. Pair of spectacles. Des. 86,768; Apr. 19.

Gilmer, George W., Detroit, Mich. Automotive vehicle. 1,845,871; Feb. 16.

Gilmer, John H., North Vernon, Ind. Self-contained impulse actuated internally propelled power unit. 1,858,666; May 17.

Gilmer, L. H., Company. (See Haines, George E., assignor.)

Gilmore, Allen R., St. Louis, Mo. Flush valve construction. 1,881,434; Oct. 11.

Gilmore, Charles B. (See Jennings, O. D., and Gilmore.)

Gilmore, Charles B., Chicago, Ill. Control mechanism. 1,841,725; Jan. 19.

Gilmore, David E., assignor to Helios Corporation, Chicago, Ill. Moving picture machine. 1,849,668; Mar. 15.

Gilmore, Floyd E., Hagle, N. Mex. Carburetor electric heater. 1,849,454; Mar. 15.

Gilmore, Jackson G. (See Donley, H. B., Frame, and Gilmore.)

Gilmore, James W., and W. F. Hickman, Pendleton, Oreg. Air cleaner for carburetors. 1,841,286; Jan. 12.

Gilmore, John L., Kansas City, Mo. Spare tire carrier. 1,879,915; Sept. 20.

Gilmore, William, Meridian, Miss. De-clutching mechanism. 1,879,184; Sept. 27.

Gilowitz, Benjamin, assignor of one-eighth to S. Kravitz, and one-fourth to M. Bousel, New York, N. Y. Heel lift and attaching means therefor. 1,861,118; May 31.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Hopper door of cast metal. 1,844,063; Feb. 9.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Hinged shank coupler. 1,851,943; Mar. 29.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Operating device for railway car couplers. 1,853,347; Apr. 12.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,859,296; May 24.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car. 1,861,693; June 7.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,862,522; June 14.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,863,144; June 14.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,863,145; June 14.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,863,243; June 14.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,870,903; Aug. 9.

Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,880,085; Sept. 27.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,882,659; Oct. 18.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,886,392; Nov. 8.

Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Roof structure for railway cars. 1,886,393; Nov. 29.

Gilpin, Garth G., Riverside, and A. E. Small, Chicago, assignors, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway car. 1,891,228; Dec. 20.

Gilsenan, John J., Newark, N. J. Water curtain nozzle. Des. 86,307; Feb. 28.

Gilson, Emery G., Colonie, N. Y., assignor to General Electric Company. Razor blade sharpening machine. Des. 86,308; Feb. 28.

Gilson, Emery G., Colonie, N. Y., assignor to General Electric Company. Thrust bearing. 1,845,789; Feb. 16.

Gilson, Hoyt M., Ochelztree, Kans. Combined thresher-spreader. 1,855,686; July 5.

Gilson, James P. (See Alexander, F., and Gibson.)

Gilson Manufacturing Company. (See Donald, Forrest V., assignor.)

Gilson, Robert M. (See Beall, C. R., and Gilson.)

Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical regulating apparatus. 1,865,562; July 5.

Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for charging storage batteries. 1,885,908; Nov. 1.

Gilson, Robert M. Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for signaling between two points on a railroad train. 1,885,909; Nov. 1.

Gilson, Robert M., Pittsburgh, and H. A. Thompson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,848,619; Mar. 8.

Gilson, Robert M., Pittsburgh, and B. E. O'Hagan, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,886,693; Oct. 18.

Gilstrap, Clarence L., and H. T. Smith, La Grande, Oreg. Scissors. 1,862,079; June 7.

Gilstrap, Owen G., assignor of one-third to C. D. Ries, Portland, Oreg. Propeller. 1,881,486; Oct. 11.

Giltsch, John D. (See Giltsch, John, M., and J. D., and Schorsch.)

Giltsch, John, M. Giltsch, H. Schorsch, and J. D. Giltsch, assignors to Standard Carriage Works, Inc., Los Angeles, Calif. Vehicle body construction. 1,876,600; Sept. 13.

Giltsch, Martin. (See Giltsch, John, M., and J. D., and Schorsch.)

Giminez, Julian N., Brooklyn, N. Y. Stretchboard for drawing paper. 1,882,184; Oct. 11.

Gimonet, Alexandre, Arrochar, N. Y. Lip stick holder. 1,839,548; Jan. 5.

Gimonet, Alexandre, Arrochar, Staten Island, N. Y. Lip stick holder. 1,863,106; June 14.

Ginson, Kingsley S., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for blocking or shaping boots and shoes. 1,850,389; Mar. 22.

Ginter, William M. (See Armstrong, Hugh C., assignor.)

Ginder, William M., Columbus, Ohio. Rolling door. 1,892,570; Dec. 27.

Gindle, Donald F., Cincinnati, Ohio. Carburetor. 1,861,694; June 7.

Gingell, Harry, Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Heel seat cutting mechanism. 1,851,625; Mar. 29.

Gingell, Harry, Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Heel seat cutting machine. 1,851,626; Mar. 29.

Gingerich, Earl McK., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum alloy. 1,862,788; June 14.

Gingerich, Otto J., Trenton, Ohio. Internal combustion engine. 1,866,928; July 12.

Ginsberg, Abraham J., New York, N. Y. Combination focusing and exposure device. 1,854,132; Apr. 12.

Ginsberg, Abraham J., New York, N. Y. Camera lens and filter mount. 1,873,783; Aug. 23.

Ginsburg, Joseph M. (See Headlee, T. J., and Ginsburg.)

Ginsburg, Leo, Chicago, Ill. Hydrotherapeutic apparatus. 1,888,120; Nov. 15.
Ginter, Claud D., Fresno, Calif. Automatic hoist boom. 1,871,603; Aug. 16.
Ginther, Howard E. (See Lonergan, S. J., and Ginther.)
Ginther, Howard E., assignor to Bastian-Morley Company, La Porte, Ind. Thermostatically controlled mechanism. 1,845,262; Feb. 16.
Gioé, Peter V., Brooklyn, N. Y. Safety attachment for build buzzers. 1,849,495; Sept. 6.
Gioiosa, Joseph, Milton, Mass. Fireworks. 1,842,827; Jan. 26.
Giorgio, Peppino, East Chicago, Ind. Draft motor 1,864,998; June 28.
Gipe, John C. (See Crowley, J. P., and Gipe.)
Gipe, John C., and J. P. Crowley, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mounting plate glass. 1,854,545; Apr. 19.
Gipe, John C., and J. P. Crowley, assignors to Libbey Owens Ford Glass Company, Toledo, Ohio. Apparatus for washing sheet glass. 1,888,498; Nov. 22.
Girard Model Works Inc., The. (See Smith, Anthony N., assignor.)
Giraud, André J. A., Paris, France. Amusement device. 1,877,656; Sept. 13.
Giraud, Stephen L. (See Brown, Theodore, assignor.)
Girden, Barney B., New York, N. Y. Swimming device. 1,845,283; Feb. 16.
Girdler Corporation, The. (See Bottoms, Robert R., assignor.)
Girdler Corporation, The. (See Ford, P. H., and Young, assignors.)
Girling, Albert H. G., Harlow, England. Braking mechanism. 1,848,775; Mar. 8.
Girmes, John, & Co. (See Girmesellschaft. (See Vorck, T., and Zimmermann, assignors.)
Girod, Paul. (See Franchini, A., and Girod.)
Girton, Charles E., Cincinnati, Ohio. Ankle-joint for artificial limbs. 1,840,811; Jan. 12.
Girvin, Charles W., Long Beach, assignor of forty per cent to L. Lawrason, Los Angeles, Calif. Recovering iodine. 1,843,127; Feb. 2.
Girvin, Charles W., Long Beach, assignor of forty per cent to Levering Lawrason, Los Angeles, Calif. Purifying and drying crude iodine. 1,857,032; May 10.
Girvin, Charles W., assignor, by mesne assignments, to General Salt Company, Long Beach, Calif. Recovery of iodine. 1,881,487; Oct. 18.
Giryotas, Walter J., assignor to Robert W. Hunt Company, Chicago, Ill. Testing device. 1,844,153; Feb. 9.
Gischlar, Peter, and S. Cozatchy, Hamilton, Ohio. Book end. Des. 86,451; Mar. 8.
Gish, John L., South Bend, Ind. Valve. 1,891,533; Dec. 20.
Gisholt Machine Company. (See Godfriaux, Louis E., assignor.)
Gisholt Machine Company. (See Miller, Ralph J., assignor.)
Gisske, Walter P., assignor to Vaughan Novelty Mfg. Co., Chicago, Ill. Can opener. 1,843,277; Feb. 2.
Giszti, John, Corona, N. Y. Fountain brush. 1,857,300; May 10.
Githens, Thomas F., assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Cutting tool. 1,847,939; Mar. 1.
Githens, Thomas F., Cleveland Heights, and J. V. Emmons, Shaker Heights, assignors to The Cleveland Twist Drill Company, Cleveland, Ohio. Extractor. 1,863,046; June 14.
Gits, Remi J., Chicago, Ill. Lubricator. 1,855,516; Apr. 26.
Gits, Remi J., Chicago, Ill. Lubricator. 1,874,961; Aug. 30.
Gitzendanner, Fred, New York, N. Y. Automatic feeder. 1,862,670; June 14.
Giudice, Mendotti, et al. (See Foti, Charles, assignor.)
Giuffre, Letterio, East Boston, Mass. Dough cutting mechanism. 1,882,139; Oct. 11.
Giuliani, Alfred, assignor to Dry-Wall Mfg. & Construction Co. Inc., New York, N. Y. Wall construction. 1,842,828; Jan. 26.
Giuste, Cruff, F. C. (See Cruff, F C., and Giuste.)
Givandan, Victor E., Mexico City, Mex. Printing machine for multicolor work. 1,865,184; June 28.
Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 1,841,472; Jan. 19.
Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical condenser. 1,865,573; June 14.
Given, Ralph D., Leamington, England, assignor to General Electric Company. Apparatus for transmitting rotary motion. 1,864,348; June 21.
Givens, Albert W., Marlborough, N. Y. Enlarged wearing surface for spike heels. 1,875,806; Sept. 6.
Givens, Howard M., Abington, Pa. Machine for straightening metal bars. 1,890,287; Dec. 6.
Gladding, Charles B., Geneva, Ohio. Explosive engine attachment to facilitate valve grinding. 1,877,477. Sept. 13.
Glade, Arthur W. (See Fetters, Robert L., assignor.)
Gladeck, Frederick C., and J. W. Warren, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Loaf-slicing and wrapping attachment for bread wrapping machines. 1,888,797; Nov. 22.
Gladkov, Vladimir, and A. J. Hand, assignors to California Corrugated Culvert Co., Berkeley, Calif. Spiral pipe machine. 1,884,658; Oct. 25.
Gladstone, William D., New York, N. Y. Percussion musical instrument. 1,843,553; Feb. 2.
Gladville, Glenn W. (See Brassert, W., and Gladville.)
Glaenzer, Harry, Philadelphia, Pa. Locomotive frame. 1,869,248; July 26.
Glaenzer, Jules, New York, N. Y. Compact. 1,889,471; Nov. 29.
Glaesel, Max, New York, N. Y. Ornament. 1,879,799; Sept. 27.
Glaeser, Carl W., Youngstown, Ohio. Bottle protector. 1,890,323; Dec. 6.
Glafcke, Paul E., Denver, Colo. Variable pitch propeller. 1,847,180; Mar. 1.
Glahe, Fred, Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y. Shoulder pad. 1,846,193; Feb. 23.
Glahe, Fred, Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y. Knee and elbow pad. 1,862,303; June 7.
Glahn, Otto M., assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 1,868,894; July 26.
Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,879,800; Sept. 27.
Glantz, Frank, Chicago, Ill. Clamping means for trays or the like. 1,842,545; Jan. 26.
Glapion, Ferdinand A., assignor of one-third to P. S. Watertinsae, New Orleans, La. Extricating device for vehicles. 1,849,004; Mar. 8.
Glascock Brothers Manufacturing Company. (See Frick, Chester A., assignor.)
Glascock Brothers Manufacturing Company. (See Frick, C. A., and Baker, assignors.)
Glascock, Harry, assignor to P. O. B. Manufacturing Co., Inc., Cincinnati, Ohio. Automobile engine support. 1,867,070; July 12.
Glascodine, Richard T., London, England. Central buffing and drawgear. 1,862,080; June 7.
Glascodine, Richard T., London, England. Central buffing and draw gear. 1,870,722; Dec. 13.
Glascodine, Richard T., London, England. Rolling stock. 1,891,674; Dec. 20.
Glascoe, Richard O., assignor of one-half to G. Spencer Moulton & Company, Limited, London, England. Buffing and draw gear for railway vehicles. 1,881,312; Oct. 4.
Glascodine, Richard T., and R. L. Whitmore, London, England. Central buffing and drawgear for railway vehicles. 1,853,857; Apr. 12.
Glascote Company, The. (See Steinen, Gustav V. D., assignor.)
Glascraft Corporation. (See Powers, Howard C., assignor.)
Glase, Howard B., Danielsville, Pa. Agricultural device. 1,887,092; Nov. 8.
Glaser, Clyde M. (See Glaser, John F. and C. M.)
Glaser, Gustav, Bork-on-the-Lippe, Germany, assignor of thirty-three and one-third per cent to O. Steiner, Flushing, Long Island, N. Y. Floral frame. 1,844,278; Feb. 9.
Glaser, Herbert, assignor of one-fourth to Harry Radzinsky, New York, N. Y. Paste dispenser. 1,882,358; Oct. 11.
Glaser, John F., Chicago, and C. M. Glaser, Oak Park, Ill. Advertising device. 1,846,858; Feb. 23.
Glaser, Rudolph A., assignor to Postergraph, Inc., Cleveland, Ohio. Making printing plates. 1,843,872; Feb. 2.
Glaser, Rudolph A., Cleveland, Ohio, assignor, by mesne assignments, to Gardner Abbott, as trustee. Projector lamp. 1,877,657; Sept. 13.
Glasier, Harold H., Los Angeles, Calif. Swinging drawbar. 1,840,501; Jan. 12.
Glasier, Harold H., Los Angeles, Calif. Power actuated furrow slicer. 1,860,534; May 31.
Glasier, Harold H., Los Angeles, Calif. Rim gear drive tractor. 1,865,898; July 5.
Glasier, Harold H., Los Angeles, Calif. Power driven spader. 1,869,961; Aug. 2.
Glasier, Harold H., Los Angeles, Calif. Power plow. 1,886,005; Nov. 1.
Glasier, Harold H., Los Angeles, Calif. Power spader. 1,886,335; Nov. 1.
Glasier, Harold H., Los Angeles, Calif. Lever spade. 1,889,984; Dec. 6.
Glasner, Rudolph W. (See Rode, F. J., and Glasner.)
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Cushion for sheet metal presses. 1,848,641; Mar. 8.
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Riveting machine. 1,849,619; Mar. 15.
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Machine for forming brake drums. 1,849,669; Mar. 15.
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Machine for forming brake drums. 1,849,670; Mar. 15.
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Metal working machine. 1,849,711; Mar. 15.
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Metal working press. 1,866,559; July 12.

Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Metal working press. 1,866,595; July 12.

Glass, Myron S. (See Crawford, A. I., and Glass.)

Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,854,469; Apr. 19.

Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,872,441; Aug. 16.

Glass, Perley R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,889,242; Nov. 29.

Glass, Richard J., Columbus, Ohio. Fluid motor. 1,858,049; May 10.

Glasser, Otto, and V. B. Seitz, assignors to The Cleveland Clinic Foundation, Cleveland, Ohio. Method and apparatus for the measurement of radiation intensity. 1,855,669; Apr. 26.

Glasser, Percy B., et al. (See Medlock, Wendyl R., assignor.)

Glassner, Louis C., Chicago, Ill. Frame. 1,842,473; Jan. 26.

Glaus, Grover J., Charleston, S. C. Weather stop for car windows. 1,859,388; May 24.

Glauser, John G., Pittsburgh, Pa. Continuous manufacture of ice cream and similar frozen products. 1,852,600; Apr. 5.

Glaze, Clifford H., Long Beach, and C. I. Brown, Compton, Calif. Centering device for punch presses. 1,866,704; July 12.

Glaze, Herbert L. (See McInerny, R. J., Williams, and Glaze.)

Gleamtube, Inc. (See Cole, Harvey L., assignor.)

Gleaner Combine Harvester Corporation, The. (See Gottschall, C. R., and Pike, assignors.)

Gleaner Combine Harvester Corporation. (See Hale, Stephen H., assignor.)

Gleaner Combine Harvester Corporation, The. (See Hale, S. H., Worthington, and Pierson, assignors.)

Gleaner Combine Harvester Corporation. (See Hanson, Perren J., assignor.)

Gleaner Combine Harvester Corporation, The. (See Pierson, Torvald N., assignor.)

Gleaner Combine Harvester Corporation, The. (See Stevens, Clarence A., assignor.)

Gleaner Combine Harvester Corporation, The. (See Worthington, Wayne H., assignor.)

Gleason, Dora P., White Plains, N. Y. Utensil. 1,857,372; May 10.

Gleason, Frederick H., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricator. 1,886,006; Nov. 1.

Gleason, George A., New York, N. Y. Self-closing cap for collapsible tubes. 1,881,488; Oct. 11.

Gleason, George H., Montclair, N. J., and A. C. Loonam, Brooklyn, assignors to Gleason Brothers, New York, N. Y. Treating sewage. 1,886,267; Nov. 1.

Gleason, H. A. (See Auker, H. H., and Stevens, assignors.)

Gleason, James E., assignor to Gleason Works, Rochester, N. Y. Gear. 1,848,342; Mar. 8.

Gleason, James H., Willoughby, Ohio. Controlling the commencement of operations of a plurality of water gas sets. 1,845,745; Feb. 16.

Gleason, John W., et al. (See Arey, Fred C., assignor.)

Gleason, John W. (See Murphy, James F., assignor.)

Gleason, Orville, and G. Boylan, assignors to Meredith Publishing Company, Des Moines, Iowa. Truck construction. 1,866,887; July 12.

Gleason, Stuart B. (See Schadell, G. P., and Gleason.)

Gleason-Tiebout Glass Company. (See Buccini, H. A., and Barnes, assignors.)

Gleason Works. (See Bullock, E. W., Condon, and Finsen, assignors.)

Gleason Works. (See Bullock, E. W., and Webster, assignors.)

Gleason Works. (See Bullock, E. W., and White, assignors.)

Gleason Works. (See Gleason, James E., assignor.)

Gleason Works. (See Gstyr, Joseph, assignor.)

Gleason Works. (See Head, Ernest C., assignor.)

Gleason Works. (See Slade, Leon D., assignor.)

Gleason Works. (See Stewart, Arthur L., assignor.)

Gleason Works. (See White, Herbert J., assignor.)

Gledhill, Arthur H., Halifax, England. Machine for copying elements and the like. 1,845,872; Feb. 16.

Gledhill, Edward C., Galion, Ohio. Leaning wheel. 1,839,755; Jan. 5.

Gledhill, Edward C., Galion, Ohio. Loader. 1,843,508; Feb. 2.

Gledhill, Edward C., Galion, Ohio, assignor to General Cable Corporation, New York, N. Y. Cable laying plow. 1,886,511; Nov. 1.

Gleghorn, J. W., et al. (See Jackson, Sherman D., assignor.)

Gleichmann, Hans. (See Abendroth, W., and Gleichmann.)

Gleim, Harry F., Portsmouth, Ohio. Bench. 1,879,185; Sept. 27.

Glemming, Henry. (See Sondersen, H., and Glemming.)

Glen, Thomas, jr., Coogee, near Sydney, New South Wales, Australia. Floor polisher. 1,845,706; Feb. 16.

Glende, Earl H., assignor, by mesne assignments, to H. J. Stephens, Chicago, Ill. Display easel. 1,863,594; June 21.

Glenn, Clyde, Verona, Ill. Card holder. 1,861,309; May 31.

Glenn, Ethel F., and R. H. Herring, San Antonio, Tex. Table pad for glasses. 1,866,460; July 5.

Glenn, James A. (See Nelms, H. L., and Glenn.)

Glenn, Irene, Port Washington, N. Y. Teething device. 1,888,167; Nov. 15.

Glenny, Clarence S., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Stand for kitchen utensil. 1,874,498; Aug. 30.

Glenoran Works. (See Finsen, Eyvind, assignor.)

Glenwood Range Company. (See Wilde, Samuel A., assignor.)

Glenwright, Howard, Wilkes-Barre, Pa. Variable pitch propeller. 1,862,481; June 7.

Glenzer, John C., Detroit, Mich. Tool driver. 1,863,107; June 14.

Glenzer, John C., Detroit, Mich. Tool holder. 1,863,108; June 14.

Glessner, Charles E., assignor of one-half to J. H. Birkenbeuel, Portland, Oreg. Rotatable hangar for lighter-than-air airships. 1,848,472; Mar. 8.

Glessner, Harry C., Findlay, Ohio. Electric vaporizer. 1,855,018; Apr. 19.

Glidden, Alfred A., T. M. Knowland, and W. R. Dow, Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Apparatus and process for vulcanizing rubber coated fabric. 1,860,411; May 31.

Glidden, Alfred A., and T. M. Knowland, Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Mold for manufacturing footwear. 1,860,412; May 31.

Glidden, Alfred A., and T. M. Knowland, Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Top boot vulcanizer, external type. 1,881,489; Oct. 11.

Glidden Company, The. (See Moore, C. G. and Zucker, Theodore.)

Glidden Company, The. (See Mutersbaugh, G. H., Zucker, Heiser, and Shope, assignors.)

Glidden Food Products Company. (See Beatty, H., and Mongere, assignors.)

Glidden, Harvey L., Lexington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tag holder. 1,859,439; May 24.

Glietenberg, Eugen. (See Haller, J., Glietenberg, and Hentrich.)

Glietenberg, Eugen. (See Hoyer, H., and Glietenberg.)

Glietenberg, Eugen. (See Neelmeier, W., and Glietenberg.)

Glietenberg, Eugen. (See Rimele, E., Glietenberg, and Neumeier.)

Glietenberg, Eugen, W. Neelmeier, Leverkusen-on-the-Rhine, and J. Haller, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of water-soluble azo dyestuffs. 1,882,561; Oct. 11.

Glietenberg, Eugen, W. Neelmeier, Leverkusen-on-the-Rhine, and J. Haller, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water soluble diazo-amino compound. 1,882,562; Oct. 11.

Glines, Frederick S., Lynn, Mass. Folding machine. 1,840,624; Jan. 12.

Glines, Frederick S., Lynn, Mass. Tape applying machine. 1,851,005; Mar. 29.

Glintenkamp, William P., Bellaire, assignor to May Manufacturing Co. Inc., New York, N. Y. Spectacle frame. Des. 86,600; Mar. 29.

Glisson, William R. (See de Zubiria, José R., assignor.)

Glitzke, Ewald C., Kansas City, Mo. Electric furnace and control therefor. 1,861,472; June 7.

Global Corporation. (See Eichenberger, Ferdinand, assignor.)

Global Corporation. (See Shaw, Harold N., assignor.)

Globe American Corporation. (See Hill, Dewey H., assignor.)

Globe American Corporation. (See Hill, D. H., and Robinson, assignors.)

Globe American Corporation. (See Tolley, Donald B., assignor.)

Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)

Globe Folding Box Co., The. (See King, Elmer J., assignor.)

Globe Machine & Stamping Company, The. (See Green, Lee B., assignor.)

Globe Machinery & Supply Company. (See Bristol, Cyrus J., assignor.)

Globe Oil Tools Co. (See Falkenstein, Coburn B., assignor.)

Globe Oil Tools Company. (See Phipps, John T., assignor.)

Globe Oil Tools Co. (See Ridgeway, L. E., and English, assignor.)

Globe Oil Tools Co., (See Wright, Jesse C., assignor.)

Globe Oil Tools Company. (See Wright, J. C., and Bonney, assignors.)

Globe Specialty Company. (See Tams, Fred C., assignor.)

Globe Steel Abrasive Company, The. (See Martin, David, assignor.)

Globe Steel Tubes Co. (See Foren, Pehr A., assignor.)

Globe-Union Mfg. Co. (See Coldwell, John S., assignor.)

Globe-Union Mfg. Co. (See Dobson, T., and Johnson, assignors.)

Globe-Union Mfg. Co. (See Graves, John, assignor.)

Globe-Wernicke Company, The. (See Pedersen, Carl E., assignor.)

Globe-Wernicke Company, The. (See Smiley, Samuel, jr., assignor.)

Globe Wernicke Company, The. (See Thies, Urban C., assignor.)

Glock, Charles A., Chatham, Ontario, Canada. Golf tee holding wristlet. Des. 88,081; Oct. 25.

Gloekler, Bernard, Company. (See Gloekler, Martin A., assignor.)

Gloekler, John E., Pittsburgh, Pa. Refrigerating cabinet. 1,846,128; Jan. 12.

Gloekler, Martin A., Erie, assignor to Bernard Gloekler Company, Pittsburgh, Pa. Refrigerating cabinet. 1,872,128; Aug. 23.

Glomstead, Edwin E., Menasha, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 1,857,854; May 10.

Glover, Albert G., Brookline, Mass. Detergent composition. 1,873,383; Aug. 23.

Glover, James A., Wichita, Kans. Deep well pump. 1,858,270; May 17.

Glover, Walter H., Leamington, and G. D. Bond, Coventry, assignors to Courtaulds Limited, London, England. Apparatus for the manufacture of artificial threads. 1,850,007; Mar. 15.

Glow Electric Company, The. (See Wagner, Albert G., assignor.)

Glowacki, John B., Chicago, Ill. Canopy retaining means. 1,841,726; Jan. 19.

Glowacki, John B., Chicago, Ill. Fixture support and canopy holder. 1,841,727; Jan. 19.

Glowacki, John B., Chicago, Ill. Physician's head mirror. 1,857,095; May 3.

Glowacki, John B., Chicago, Ill. Cartridge fuse. 1,857,096; May 3.

Glowacki, John B., Chicago, Ill. Replaceable fuse element. 1,857,097; May 3.

Glowacki, John B., Chicago, Ill. Renewable fuse element. 1,857,098; May 3.

Glowacki, John B., Chicago, Ill. Combination stem, insulation joint and hickey. 1,873,384; Aug. 23.

Glowacki, John B., Chicago, Ill. Split supporting loop for fixtures. 1,873,385; Aug. 23.

Gluck, Julius, Paris, France, assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Printing taximeter construction. 1,846,417; Feb. 23.

Gluck, Julius, and R. R. Karich, New York, assignors to Ohmer Fare Register Company, Dayton, Ohio. Taximeter construction. 1,874,962; Aug. 30.

Glückauf, Max, Berlin-Charlottenburg, Germany. Orthopedic sole. 1,852,579; Apr. 5.

Gluckman, Harry J., assignor of one-half to William Gluckman, Brooklyn, N. Y. Foot appliance. 1,864,999; June 28.

Gluckman, William. (See Gluckman, Harry J., assignor.)

Gluckman, William, New York, N. Y. Film cabinet. 1,843,278; Feb. 2.

Glue Research Corporation. (See Price, Ralph H., assignor.)

Glud, Wilhelm, Dortmund-Eving, Germany. Making sodium nitrate. 1,855,363; Apr. 26.

Glud, Wilhelm, and Konrad Keller, Dortmund-Eving, Germany. Producing ferricyanides. 1,872,929; Aug. 23.

Gluzek, Lloyd J. E., assignor to Sensume Laboratories, Inc., New York, N. Y. Medical diagnostic device. 1,842,323; Jan. 19.

Glynn, Edwin A., assignor to Super Mold Corporation, Lodi, Calif. Matrix securing means. 1,841,408; Jan. 19.

Glynn, Thomas J., Pittsburgh, Pa. Mechanism for sawing tubes from ingots. 1,870,108; Aug. 2.

Gmeindl, Joseph, Milwaukee, Wis. Lamp. Des. 87,257; June 28.

Gmelin, Edward W., and A. Gay, assignors to Multipost Co., Rochester, N. Y. Stamp affixing machine. 1,877,849; Sept. 20.

Gmelin, Paul, Mannheim, and A. Knodel, Wolfen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process and apparatus for the separation of gas mixtures. 1,881,490; Oct. 11.

Gmelin, Ernst, Reutlingen, Germany. Production of bast fibers from vegetable stalks. 1,846,859; Feb. 23.

Gnaegi, Ernest J. (See Freedman, E., Jaekli, and Gnaegi.)

Gnau, Marion G., assignor to The Air Conditioning and Engineering Co., St. Louis, Mo. Fluid mixing means. 1,853,045; Apr. 12.

Gneiss, Otto H. (See Chamberlain, G. L., and Gneiss.)

Gnirs, Wilhelm, and A. Urban, Basel, Switzerland. Centering prop. 1,863,010; June 14.

Goad, Louis C. (See Shippy, L. C., and Goad.)

Goad, Louis C., assignor to Delco-Remy Corporation, Muncie, Ind. Armature coating machine. 1,856,757; May 3.

Goad, Louis C., Muncie, assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for trimming flat parts. 1,863,303; June 14.

Gobbo, Domenico, Turin, Italy. Breech loading gun. 1,854,833; Apr. 19.

Gober, George, Alameda, Calif. Toggle bolt. 1,878,579; Sept. 20.

Gobert, Maurice, Chaville, assignor to l'Air Liquide, Société Anonyme pour l'etude et l'exploitation des procédés Georges Claude, Paris, France. Low temperature treatment of gases. 1,842,263; Jan. 19.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Two piece chain with oil bath. 1,842,521; Jan. 26.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Shackle line equalizer. 1,843,765; Feb. 2.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Automatic alining bearing. 1,850,751; Mar. 22.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Shackle line swing. 1,852,007; Apr. 5.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Pumping jack. 1,853,046; Apr. 12.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Polish rod clamp. 1,855,347; Apr. 26.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Oil bath bearing with a roof. 1,882,492; Oct. 11.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Clamp for angles and the like. 1,887,551; Nov. 15.

Goble, Bert G., assignor to W. A. Quigley, Tulsa, Okla. Oil pumping jack. 1,888,530; Nov. 22.

Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Self lubricating vertical bearing with settling basin. 1,889,243; Nov. 29.

Goble, John W., Freeport, Ind. Milk cooler. 1,850,500; Mar. 22.

Goble, William E., Orosi, assignor to S. P. Keithly, Fresno, Calif. Brush picking and macerating machine. 1,883,694; Oct. 18.

Gockel, Dora C., St. Louis, Mo. Artificial flower and making same. 1,879,249; Sept. 27.

Goddard, Arthur L., Chicago, Ill., assignor to Flashtric Sign Works. Electrode. 1,856,758; May 3.

Goddard, Charles A., Seattle, Wash. Soil cultivator. 1,886,178; Nov. 1.

Goddard, Charles Franklin, Los Angeles, Calif., assignor to The Automobile Maintenance Equipment Company, Denver, Colo. Road maintenance equipment. 1,868,895; July 26.

Goddard, Charles F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automobile storage elevator. 1,870,046; Aug. 2.

Goddard, Francis M., assignor to J. J. Surton, Denver, Colo. Multicopying attachment for printing presses. 1,847,478; Mar. 1.

Goddard, Joseph F., London, England, assignor, by mesne assignments, to Super Cement Company, Detroit, Mich. Production of high early strength hydraulic cement. 1,840,710; Jan. 12.

Goddard, Lester F., Miami, Fla., assignor, by mesne assignments, to The Cozzene Company, Cleveland, Ohio. Vaginal receptacle. 1,891,761; Dec. 20.

Goddard, Paul B., Detroit, assignor to The Universal Products Co., Inc., Dowagiac, Mich. Bearing for balls of universal joints, etc. 1,863,244; June 14.

Goddard, Robert H., Worcester, Mass. Apparatus for gunning low temperature rockets. 1,860,891; May 31.

Goddard, Robert H., Worcester, Mass. Apparatus for igniting liquid fuel. 1,879,186; Sept. 27.

Goddard, Robert H., Worcester, Mass. Mechanism for directing flight. 1,879,187; Sept. 27.

Goddard, Rupert, Havre de Grace, Md. Smoke producer. 1,861,852; June 7.

Godefroid, Armand, Berlin, Germany. Coin assorting apparatus. 1,842,019; Jan. 19.

Godefroy, Alexandre F., Los Angeles, Calif. Hair curling apparatus. 1,847,479; Mar. 1.

Godefroy, Alexandre F., Los Angeles, Calif. Television apparatus. 1,859,824; May 24.

Godel, Albert, assignor to Societe de Recherches et d'Exploitations Petrolifères, Paris, France. Activating carbon. 1,848,946; Mar. 8.

Godden, Robert W., Seattle, Wash. Lock. 1,888,918; Nov. 22.

Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,885,197; Nov. 1.

Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Reel. 1,887,712; Nov. 15.

Godefroid, Armand, Berlin, Germany. Cash till with a coin assorter. 1,889,472; Nov. 29.

Godel, Albert, Paris, assignor to Societe de Recherches et d'Exploitations Petrolifères, Paris, France. Activation of carbonaceous substances. 1,891,407; Dec. 20.

Godfrey, Albert W., East St. Louis, Ill. Harness. 1,845,790; Feb. 16.

Godfrey, Alfred A., assignor to Linoleum Manufacturing Company, Limited, London, England. Manufacture of linoleum or like materials. 1,848,776; Mar. 8.

Godfrey, Alfred A., assignor to Linoleum Manufacturing Company, Limited, London, England. Manufacture of linoleum or like material. 1,848,777; Mar. 8.

Godfrey, Alfred A., assignor to Linoleum Manufacturing Company Limited, London, England. Manufacture of linoleum. 1,860,242; May 24.

Godfrey Conveyor Co. (See Good, J. L., and Click, assignors.)

Godfrey, Jonathan, New York, N. Y. Rotary cabinet. 1,867,145; July 12.

Godfrey, William F., Kearney, Nebr. Pump. 1,874,282; Aug. 30.
Godfrey, William P., Brooklyn, N. Y. Window. 1,858,149; May 10.
Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Hydraulic power transmission system. 1,855,912; Apr. 26.
Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Pumping unit for hydraulic power transmission systems. 1,856,393; Nov. 8.
Godin, Arsène, Springfield, Mass. Barber's mirror. Des. 57,690; Aug. 23.
Godoy, Humbert. (See Cohen, E. J., Godoy, and Miehling.)
Godoy, Humbert, Philadelphia, Pa. Vehicle. 1,862,013; June 7.
Godoy, John G., New York, N. Y. Lighting fixture. 1,890,378; Dec. 6.
Godsey, Claude B. (See Thompson, James H., assignor.)
Godsey, Frank W., jr., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Automatic train control. 1,866,099; July 5.
Godsey, H. Mitchell, Salt Lake City, Utah. Sectional fluid heater. 1,868,413; July 19.
Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizing fuel mixtures. 1,848,620; Mar. 8.
Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer. 1,854,298; Apr. 19.
Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Carburation system. 1,865,514; July 5.
Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer. 1,865,515; July 5.
Goebel, George, Catonsville, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Transfer mechanism for production of printing plates. 1,872,273; Aug. 16.
Goebel, George, assignor to Canfield Rubber Company, Bridgeport, Conn. Mold opening apparatus. 1,891,976; Dec. 27.
Goebel, Roy L., Waco, Tex. Magazine pencil. 1,848,778; Mar. 8.
Goebert, Elmer C., U. S. Army, Philadelphia, Pa., and T. A. Conlon, Silver Spring, Md. Gun carriage. 1,858,495; May 17.
Goedecke, Arthur G., Terre Haute, Ind. Electric door lock. 1,851,355; Mar. 29.
Goeggel, Karl. (See Fahrenhorst, J., Goeggel, and Kraegelin.)
Goehler, Elmer E., and P. Amort, Portland, Oreg. Oil burner. 1,846,716; Feb. 23.
Goehring, Otto C., Elmhurst, N. Y. Combined fumeless and ventilated oven and broiler. 1,887,408; Nov. 8.
Goeke, Ernest, Baxter, Iowa. Harrow attachment for cultivators. 1,852,407; Apr. 5.
Goeller, Karl H., Worms, Germany. Bating hides and skins. 1,851,763; Mar. 29.
Goellner, Joseph J., assignor to Landis Machine Company, St. Louis, Mo. Clutch control for stapling machines. 1,891,170; Mar. 27.
Goellner, Joseph J., assignor to Landis Machine Company, St. Louis, Mo. Stapler mechanism clutch. 1,851,171; Mar. 29.
Goenen, Leo E., and J. A. Garrow, assignors to The Fritz-Cross Company, St. Paul, Minn. Chair. 1,872,137; Aug. 16.
Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,858,667; May 17.
Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,874,963; Aug. 30.
Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,443; Sept. 6.
Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake slack adjuster. 1,876,661; Sept. 13.
Goerg, Bernhard, Mount Vernon, W. R. Zuhlke, Yonkers, N. Y., and W. E. Kugeman, jr., Paris, France, assignors, by mesne assignments, to National Automatic Container Corporation, Baltimore, Md. Package container. 1,858,198; May 10.
Goerg, Bernhard. (See Brabée, C. W., and Goerg.)
Goerke, Simon, Milwaukee, Wis. Fish lure. 1,883,695; Oct. 18.
Goerlich, Vilmuth P., Clawson, Mich. Hydraulic lubricating gun. 1,868,701; July 26.
Goertz, Abraham S., Reedley, Calif. Coupler. 1,883,696; Oct. 18.
Goertz, August, & Co. Inc. (See Momm, Albert, assignor.)
Goerz, C. P., American Optical Company. (See Mueller, Emil M., assignor.)
Goes, Frederic T., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Cooling system. 1,874,964; Aug. 30.
Goes, Konrad, Rosrath, near Cologne, and E. Badum, Cologne-Mulheim, assignors to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Loaded submarine cable. 1,886,264; Nov. 22.
Goeser, Edwin W. (See Davidson, W. D., and Goeser.)
Goeser, Edwin W., assignor, by mesne assignments, of one-half to Emsco Derrick & Equipment Company, Los Angeles, Calif., and one-half to The National Supply Company, Toledo, Ohio. Rotary machine. Re18,480; May 24.
Goeser, Edwin W., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Antifriction device for drill pipe. 1,877,295; Sept. 13.
Goetz, Carl, Berlin, Germany. Obtaining metals from ores. 1,852,965; Apr. 5.
Goetz, Fred G., Plainview, Minn. Onion lifting apparatus. 1,840,502; Jan. 12.
Goetz, Fred J. (See Schwarz, M., and Goetz.)
Goetz, Joseph F., Dayton, assignor to The Columbia Mixers Corporation, Hamilton, Ohio. Air pressure dispenser. 1,857,084; May 3.
Goetz, Julius F. (See Goetz, Wilmer F. and J. F.)
Goetz, Julius J., assignor to Western Metal Specialty Company, Milwaukee, Wis. Detachable leg. 1,881,491; Oct. 11.
Goetz, Paul F., Lockport, Ill. Water heater. 1,886,670; Nov. 8.
Goetz, Wilmer F. and J. F., Hartford, Wis. Vehicle heater. 1,881,492; Oct. 11.
Goetze, Albert, et al. (See Elliott, Ralph M., assignor.)
Goetzel, William C. (See Long, E. E., and Goetzel.)
Goetzel, John H., Cleveland, and P. C. Smith, Lakewood, Ohio. Skate. 1,874,965; Aug. 30.
Goetzmann, Louis B., assignor of one-half to J. H. Rightmyer, East St. Louis, Ill. Alcohol condenser for use with internal combustion engines. 1,889,892; Dec. 6.
Goez, Wilhelm. (See Michael, W., and Goez.)
Goff, Harold W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 1,860,535; May 31.
Goff, Harold W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal strip. 1,862,571; June 14.
Goff, Hugh H. (See Chapin, C. M., and Goff.)
Goff, James T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Impregnating electrical-conductor insulations. 1,848,344; Mar. 8.
Goff, Mont, Stone, Ky. Mine track and switch construction. 1,871,511; Aug. 16.
Goffart, William C. (See McLaughlin, Frank, assignor.)
Gofferje, Eduard. (See Keller, K., and Gofferje.)
Goforth, Archie S., Decatur, Ala. Service tray. 1,870,109; Aug. 2.
Goggins, Michael, Roswell, N. Mex. Hay baler and loader. 1,857,373; May 10.
Gogin, Russell L., assignor to G. H. Bass & Co., Wilton, Me. Moccasin construction. 1,841,327; Jan. 12.
Gogin, Russell L., assignor to G. H. Bass & Co., Wilton, Me., Footwear. 1,841,328; Jan. 12.
Gogol, John, Northampton, Mass. Automatic track sander and air brake. 1,873,640; Aug. 23.
Gohorel, Fernand, Paris, France, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,842,602; Jan. 26.
Gohorel, Fernand, Paris, France, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,870,448; Aug. 9.
Gohmann Bros. and Kahler Company. (See Gohmann, Charles L., assignor.)
Gohmann, Charles L., assignor to Gohmann Bros. and Kahler Company, New Albany, Ind. Combination adjustable floor plate and stove support. 1,865,899; July 5.
Goinard, Joseph M. A., Colombes, France. Carburetor for internal combustion engines supplied with heavy oil. 1,845,596; Feb. 16.
Going, George G., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,839,873; Jan. 5.
Going, George G., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,840,503; Jan. 12.
Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,847,035; Mar. 1.
Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,697; Oct. 18.
Going, George G., Stamford, Conn., assignor to Remington typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,698; Oct. 18.
Going, George G., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,699; Oct. 18.
Going, George G., Glenbrook, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,700; Oct. 18.
Going, W. E. (See Vinson, George J., assignor.)
Golby, Sol D. (See Elwell, Jay H., assignor.)
Gold, Abe, Shreveport, La. Folding playhouse. 1,881,356; Oct. 4.
Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
Gold, Edward E., New York, assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Train pipe connection. 1,843,123; Mar. 8.

Gold, Egbert H., deceased, Evanston, and E. A. Russell; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill.; M. J. Gold and Biscayne Trust Company, executors of said E. H. Gold. Insulation for flexible pipe structures. 1,853,207; Apr. 12.

Gold, Leo James, Los Angeles, Calif. Freezing tray. Des. 88,226; Nov. 8.

Gold, Margaret J., et al., executors. (See Gold, E. H., and Russell.)

Gold Medal Folding Furniture Company. (See Brown, Newton N., assignor.)

Gold, Morris, New York, A. F. Most and J. Fogel, Brooklyn, N. Y. Cigarette case. 1,851,828; Mar. 29.

Goldbach, Fritz, Marysburg, Saskatchewan, Canada. Puzzle. 1,880,130; Sept. 27.

Goldbeck, Eugene O., San Antonio, Tex. Control mechanism for panoramic cameras. 1,861,386; May 31.

Goldberg, David D., Chicago, Ill. Valve. 1,886,007; Nov. 1.

Goldberg, David D., Chicago, Ill. Valve. 1,890,678; Dec. 13.

Goldberg, David L., et al. (See Morgan, Toney W., assignor.)

Goldberg, Edward, Shaker Heights, Ohio. Smoker's device. 1,881,701; Oct. 18.

Goldberg, Frank, Augusta, Ga. Shield attachment for garment bangers. 1,860,024; May 24.

Goldberg, Gus, New York, N. Y. Torchère. Des. 86,021; Jan. 19.

Goldberg, Herman, assignor to Wolff Coal Saver Company, Chicago, Ill. Draft conditioner. 1,850,064; Mar. 15.

Goldberg, Herman, assignor to Wolff Coal Saver Company, Chicago, Ill. Automatic draft conditioners. 1,856,004; Apr. 26.

Goldberg, Jack, et al. (See Schlesinger, Harry, assignor.)

Goldberg, Jacob M. (See Goldberg, Louis B., N., W., and J. M.)

Goldberg, Joseph H., assignor to Chicago Cinema Equipment Company, Chicago, Ill. Apparatus for rewinding films. 1,876,980; June 21.

Goldberg, Joseph H., assignor to Chicago Cinema Equipment Company, Chicago, Ill. Picture projection machine. 1,891,473; Dec. 20.

Goldberg, Julius. (See Kunian, P., and Goldberg.)

Goldberg, Louis B., N., W., and J. M., Denver, Colo. Moving picture reel. 1,858,586; May 17.

Goldberg, Mark J., Beloit, Wis., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Fuel injection valve for oil engines. 1,874,283; Aug. 30.

Goldberg, Max W., assignor, by mesne assignments, to Modern Equipment Company, Port Washington, Wis. Automatic pouring device. 1,848,249; Mar. 8.

Goldberg, Max W., assignor, by mesne assignments, to Modern Equipment Company, Port Washington, Wis. Swivel supporting means for electrically operated devices. 1,872,729; Aug. 16.

Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Lever set lever operated cash register. 1,865,627; July 5.

Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Computing machine. 1,874,097; Aug. 30.

Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,874,184; Aug. 30.

Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Computing machine. 1,874,701; Aug. 30.

Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pumping means. 1,865,000; June 28.

Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Manifold construction. 1,868,355; July 19.

Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Cleaning and silencing means for engine exhausts. 1,877,296; Sept. 13.

Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Clutch and transmission mechanism. 1,877,297; Sept. 13.

Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Combustion chamber. 1,877,737; Sept. 13.

Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel supply and injection means. 1,886,248; Nov. 1.

Goldberg, Nathan. (See Goldberg, Louis B., N., W., and J. M.)

Goldberg, Samuel D., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Syringe and tube therefor. 1,845,854; Feb. 2.

Goldberg, Sol H., assignor to Chain Store Products Corporation, Chicago, Ill. Display card or similar article. Des. 88,733; Dec. 20.

Goldberg, William. (See Goldberg, Louis B., N., W., and J. M.)

Goldblatt, Henry J., assignor to Vidrio Products Corporation, Chicago, Ill. Combined table lighter and ash tray. Des. 86,162; Feb. 9.

Goldblatt, Henry J., assignor to Vidrio Products Corporation, Chicago, Ill. Table lighter. Des. 87,631; Aug. 23.

Goldblatt, Henry J., assignor to Vidrio Products Corporation, Chicago, Ill. Table lighter. Des. 87,632; Aug. 23.

Goldblatt, Joseph, Forest Hills, N. Y. Flexible bracelet. 1,843,555; Feb. 2.

Golden, Alzada, La Fayette, Ind. Water waver. 1,878,842; Sept. 20.

Golden, Charles F., Denver, Ind. Drafting instrument. 1,869,358; Aug. 2.

Golden, Harry H., and I. Nachumsohn, Chicago, Ill. Combining pictures with sound. 1,869,665; May 24.

Golden, Harry S., Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator cap. 1,845,409; Feb. 16.

Golden, John E. and O. W., Minneapolis, Minn.; said John E. Golden assignor to said Orville W. Golden. Seat adjusting device for automobile seat. 1,875,588; Sept. 6.

Golden, Orville W. (See Golden, John E. and O. W.)

Golden, Robert F., Sandusky, assignor to The National Lock Washer Company, Newark, N. J. Speed indicator. 1,869,962; Aug. 2.

Golden State Asparagus Co. (See Champlin, S. H., Cutter, Kasten, and Butte, assignors.)

Golden State Asparagus Co. (See Cutter, Parker A., assignor.)

Goldenbaum, Frederick C., Kearny, N. J., assignor to Herbert Photos, Inc., New York, N. Y. Producing printing plates. 1,857,342; May 10.

Goldenberg, Irving. (See Dubinsky, H., Goldenberg, and Schachter.)

Goldenstein, Arthur L., Duluth, Minn. Wire tying tool. 1,861,308; May 31.

Goldenstar, Arthur L., Duluth, Minn. Fence post anchor. 1,869,744; Aug. 2.

Goldiger, Hyman, Brooklyn, N. Y. Mop. 1,870,845; Aug. 9.

Goldisch, Phillip A., Kansas City, Mo. Digestive apparatus. 1,842,378; Jan. 26.

Goldisch, Phillip A., assignor to Laboratory Construction Company, Kansas City, Mo. Electric heater. 1,872,730; Aug. 23.

Goldisher, Fred, assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter. 1,871,685; Aug. 16.

Goldhagen, Eli. (See Goldhagen, Harry, assignor.)

Goldhagen, Harry, assignor of one-half to E. Goldhagen, New York, N. Y. Flue water heater. 1,865,852; July 5.

Goldhammer, Leo, and Ihagee Kamera, Germany, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic shutter. 1,848,523; Mar. 8.

Goldhammer, Leo, and Ihagee Kamera, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Attachment of moving picture film to the film spool. 1,871,983; Aug. 16.

Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghampton, N. Y. Folding camera. 1,873,927; Aug. 23.

Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Film door for motion picture apparatus. 1,879,188; Sept. 27.

Goldhammer, Leo, and R. Röhrl, Munich, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Film holding box for cinematograph apparatus. 1,843,319; Feb. 2.

Goldkamp, Otto, San Diego, Calif., assignor to The Sprague Meter Company, Bridgeport, Conn. Gas meter. 1,892,513; Dec. 27.

Goldkind, Mordecai, Washington, D. C. Elevator operator's hand shield. 1,868,822; July 26.

Goldman, Abraham. (See Buerimer, William J., assignor.)

Goldman, Isadore, and J. Cohen, Chicago, Ill. Barber's coat. 1,878,275; Sept. 20.

Goldman, Max H., Chicago, Ill. Self-adjusting collar button. 1,869,143; July 26.

Goldman, Morris, Bridgeport, Conn. Decorative lighting device. Des. 87,569; Aug. 16.

Goldman, Rutherford G. (See Hannan, G. R., and Goldman.)

Goldner, Joseph H., assignor of one-half to L. Morrison, Chicago, Ill. Oil impregnated sewing thread and producing the same. 1,841,329; Jan. 12.

Goldsborough, John B., Brooklyn, N. Y. Decking for excavations. 1,876,496; Sept. 6.

Goldsborough, John B., Brooklyn, N. Y. Filling voids in soil. 1,889,599; Nov. 29.

Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Overload relay. 1,871,787; Aug. 16.

Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Protective relay system. 1,877,168; Sept. 13.

Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. High-speed directional relay element. 1,877,454; Sept. 13.

Goldsborough, Thaddeus R. (See McCullouch, T. C., and Goldsborough.)

Goldsborough, Thaddeus R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic tube. 1,872,274; Aug. 16.

Goldsborough, Thaddeus R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound recording system. 1,872,630; Aug. 16.

Goldsborough, Thaddeus R., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,888,721; Nov. 22.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Fuel burner. 1,840,840; Jan. 12.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Air storage for internal combustion engines. 1,849,324; Mar. 15.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Flame-heavy type of burner. 1,863,096; June 28.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Combination gas compressor. 1,872,330; Aug. 23.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Fuel supply for internal combustion engines. 1,872,931; Aug. 23.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Internal combustion gas compressor. 1,872,932; Aug. 23.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Rotary transmission. 1,872,933; Aug. 23.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Gas seal for compression apparatus. 1,872,934; Aug. 23.

Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. High temperature gas compressor. 1,873,878; Aug. 23.

Goldschlager, Aaron, and Isidore Raze, Brooklyn, N. Y. Bread molding device. 1,881,054; Oct. 4.

Goldschmidt, Hans, deceased; M. L. Goldschmidt, nee Warning, Berlin-Grunewald, administratrix; and O. Neuss, Berlin-Charlottenburg, Germany, assignors, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Artificial resin and making the same. 1,844,570; Feb. 9.

Goldschmidt, Hans, deceased; M. L. Goldschmidt, nee Warning, Berlin-Grunewald, administratrix; and O. Neuss, Berlin-Charlottenburg, Germany, assignors, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Artificial resin and making the same. 1,844,571; Feb. 9.

Goldschmidt, Hans, deceased, Berlin-Grunewald, and O. Neuss, Berlin-Charlottenburg, Germany, Mrs. M. L. Goldschmidt, administratrix, assignors, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Making resins. 1,865,398; June 28.

Goldschmidt, Marie L., nee Waring, administratrix. (See Goldschmidt, H., and Neuss.)

Goldschmidt, Rudolf, Berlin-Charlottenburg, Germany. Sound box for sound-reproducing machines. 1,878,770; Sept. 20.

Goldschmidt, Rudolf, Charlottenburg, Germany, assignor by mesne assignments to Kann, Inc., New York, N. Y. Mechanical hammer. 1,855,446; Apr. 26.

Goldschmidt, Sven H., Copenhagen, Denmark. Automatic vending machine. 1,889,406; Nov. 29.

Goldschmidt, Th., A.-G. (See Stelzer, Ernst, assignor.)

Goldschmidt, Victor M., Oslo, Norway. Making refractory insulating material. 1,854,809; Apr. 19.

Goldsmith, Alfred N., Mount Vernon, N. Y., assignor to Radio Corporation of America. Sound reproducing machine. 1,876,913; Sept. 13.

Goldsmith, Chester A., assignor to Brown Company, Berlin, N. H. Apparatus for twisting skeins of yarn. 1,881,493; Oct. 11.

Goldsmith, Fred E., Houston, Tex. Device for handling pipe. 1,844,385; Feb. 9.

Goldsmith, George H., Toronto, Ontario, Canada. Compound for preparing molds for metal castings. 1,858,093; May 10.

Goldsmith, Hugo, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Cleated athletic shoe and cleat therefor. 1,867,915; July 19.

Goldsmith, Hugo, et al, executors. (See Kiefer, Karl, assignor.)

Goldsmith, John N., assignor to Spicers Limited, London, England. Color photography. 1,877,658; Sept. 13.

Goldsmith, Maurice, New York, N. Y. Toilet kit. 1,855,518; Nov. 1.

Goldsmith, Max, assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Concrete floor construction. 1,870,808; Aug. 9.

Goldsmith Metal Lath Company, The. (See Goldsmith, Max S., assignor.)

Goldsmith Metal Lath Company, The. (See Goldsmith, William M., assignor.)

Goldsmith Metal Lath Company, The. (See Goldsmith, W. M., and Harig, assignors.)

Goldsmith, P., Sons Company, The. (See Goldsmith, Hugo, assignor.)

Goldsmith, P., Sons Company, The. (See Sonnett, William A., assignor.)

Goldsmith, Samuel J., Chicago, Ill. Garment protector. 1,878,771; Sept. 20.

Goldsmith, Samuel R., Brooklyn, N. Y. Handbag. 1,863,270; June 14.

Goldsmith, William G., Bankstown, Sydney, New South Wales, Australia. Ferro concrete construction. 1,845,657; Feb. 16.

Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Metal tile. 1,846,194; Feb. 23.

Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Removable metal tile structure for forming concrete floors. 1,846,195; Feb. 23.

Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Mounting strip for metal tiles. 1,846,196; Feb. 23.

Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Metal tile structure. 1,846,197; Feb. 23.

Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Tile and soffit means for concrete floor construction. 1,870,807; Aug. 9.

Goldsmith, William M., and B. Harig, assignors to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Structural insert. 1,841,887; Jan. 19.

Goldstein, Irving, Brooklyn, N. Y. Display box. 1,887,300; Nov. 8.

Goldstein, Jacob, Wilkes-Barre, Pa. Vase. 1,874,185; Aug. 30.

Goldstein, Julius, Brooklyn, N. Y. Treatment of gases. 1,848,561; Mar. 8.

Goldstein, Julius, Brooklyn, N. Y. Gas treating apparatus. 1,849,290; Mar. 15.

Goldstein, Louis, Brooklyn, N. Y. Textile fabric. Des. 88,725; Dec. 20.

Goldstein, Morris. (See Ellinger, Albert E., assignor.)

Goldstein, Samuel R. (See Biggs, L. A., and Goldstein.)

Goldsworthy, Edward. (See Franklin, C. R., and Goldsworthy.)

Goldthwaite, George R., Readville, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Fan casing and assembling the same. 1,873,386; Aug. 23.

Goldwyn, George I., Chicago, Ill. Treating used burlap bags. 1,854,546; Apr. 19.

Goll, Charles, New York, N. Y. Window lock. 1,851,701; Mar. 29.

Goll, Otto. (See Neelmeier, Wilhelm.)

Goll, Otto. (See Neelmeier, W., and Goll.)

Gollmar, Herbert A., East Orange, N. J., assignor to The Koppers Company. Gas dehydrating process. 1,861,268; May 31.

Golnick, Paul A., assignor to Selectograph Company, Chicago, Ill. Treating paper. 1,846,003; Feb. 16.

Golomb, Herman, deceased, Brooklyn, N. Y.; Jacob Gutman, executor. Photographic film hanger. 1,854,931; Apr. 19.

Golong, Richard, Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Twisting cap. 1,870,202; Aug. 2.

Golong, Richard J., and Hugh H. Carter, Johnson City, Tenn., assignors to American Glanzstoff Corporation, New York, N. Y. Locking device. 1,869,558; Aug. 2.

Golwitzer, Walter T., Chicago, Ill. Tooth spray device. 1,848,621; Mar. 8.

Golo Slipper Company. (See Meyer, Minnie, assignor.)

Golo Slipper Company. (See Meyer, M., and Heilbrunn, assignors.)

Golon, Frank M., Springfield, Mass. Direction indicator. 1,872,576; Aug. 23.

Golrick, Albert R., assignor to The Foote-Burt Company, Cleveland, Ohio. Workholding mechanism. 1,839,476; Jan. 5.

Gölz, Georg E. W., Kirchheim-Teck, Germany. Electromagnetic power transmission mechanism. 1,844,322; Feb. 9.

Gombar, Joseph, Lenox, Mich., assignor to Smith and Davis Manufacturing Company, St. Louis, Mo. Davenport. Re16,638; Oct. 25.

Gomery, Joseph, Los Angeles, Calif. Collapsible radio antenna. 1,852,925; Apr. 5.

Gomes, Earl S., Cincinnati, Ohio. Shipping carton. 1,841,025; Jan. 12.

Gomes, Earl S., Cincinnati, Ohio. Shipping carton support. 1,859,505; May 24.

Gomes, Earl S., Cincinnati, Ohio. Knockdown corner locking paper container. 1,874,702; Aug. 30.

Gomes, Earl S., Cincinnati, Ohio, assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Packing case. 1,852,113; Apr. 5.

Gomi, Tadashi D., New York, N. Y. Hand bag. 1,883,702; Oct. 18.

Gommel, Dewey E., assignor to E. C. Atkins & Company, Indianapolis, Ind. Saw swage. 1,883,703; Oct. 18.

Gonda, Joseph. (See Balga, Louis, assignor.)

Gonder, Edward L., North Canton, Ohio. Window. 1,856,158; May 3.

Gonsalves, Abelino, assignor of one-half to J. G. Alvases, Newark, N. J. Aeroplane construction. 1,886,478; Nov. 8.

Gonser, Bruce W., Amarillo, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for recovering furnace ventilator fume. 1,860,091; May 24.

Gonser, Bruce W., Amarillo, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Treating zinc ores. 1,883,235; Oct. 18.

Gonsett, Robert R., Los Angeles, Calif. Electromagnetic motor. 1,855,742; Apr. 26.

Gonsett, Robert R., Los Angeles, Calif. Pivot means for shears and the like. 1,890,850; Dec. 13.

Gonsett, Robert R., assignor of one-tenth to V. V. Ullom, one-sixth to H. A. Burrell, one-tenth to W. D. Spencer, Los Angeles, and three-fifteenths to Buck Walter, Whittier, Calif. Agitating mechanism. 1,885,253; Nov. 1.

Gonyk, Ignatz, Vienna, Austria. Scythe, strawknife, and the like. 1,851,829; Mar. 29.

Gonyk, Ignatz, Vienna, Austria. Valve. 1,855,106; Apr. 19.

Gonzalez, Joseph V. Magaguez, Porto Rico. Thread conducting device for sewing machines. 1,852,880; Apr. 5.

Gondlee, Narciso, assignor to Eagle Pencil Company, New York, N. Y. Lead pencil and making the same. 1,892,508; Dec. 27.

Gonnales, Victor, Winnetka, Ill. Automatic time switch. 1,877,169; Sept. 13.

Gooch, Claiborne W., jr., assignor to Tobacco Stemming Machine Company, Lynchburg, Va. Tobacco stemming machine. 1,840,355; Jan. 12.

Gooch, Claiborne W., jr., assignor to United Cigarette Machine Company, Inc., Lynchburg, Va. Stem cutting mechanism for tobacco stemming machines. 1,881,494; Oct. 11.

Gooch, Claiborne W., jr., assignor to Tobacco Stemming Machine Company, Lynchburg, Va. Stem cutting mechanism for tobacco machines. 1,881,495; Oct. 11.

Gooch, Claiborne W., jr., assignor to United Cigarette Machine Company, Inc., Lynchburg, Va. Tobacco stemming machine. 1,881,497; Oct. 11.

Gooch, Claiborne W., jr., and A. J. Marcotte, assignors to United Cigarette Machine Company, Inc., Lynchburg, Va. Butting blade for tobacco stemming machines. 1,881,496; Oct. 11.

Gooch, Stapleton D. (See Waggaman, W. H., and Gooch.)

Gooch, Stapleton D. (See Waggaman, W. H. and Gooch, assignors.)

Gooch, Stapleton D. (See Waggaman, W. H., Gooch, and Kerschbaum.)

Gooch, Stapleton D., Lake Wales, Fla., assignor to Coronet Phosphate Company, New York, N. Y. Treatment of phosphatic material. 1,888,919; Nov. 22.

Gooch, Stapleton D., Lake Wales, and W. H. Waggaman, Lakeland, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Oxidizing phosphorous. 1,879,189; Sept. 27.

Good, Charles W., Erie, Pa., assignor to Well-McLain Company, Michigan City, Ind. Air-heating apparatus. 1,868,743; July 26.

Good, Francis R., U. S. Navy. Piston ring. 1,860,025; May 24.

Good, Harold C., assignor to Bennett Day Importing Company, Inc., New York, N. Y. Treating edible nuts. 1,855,230; Apr. 26.

Good Inventions Co. (See Good, John, assignor.)

Good, Jacob L. and W. E. Click, assignors to The Godfrey Conveyor Co., Elkhart, Ind. Hoisting bucket. 1,876,288; Sept. 6.

Good, Jacob L., and W. E. Click, assignors to The Godfrey Conveyor Co., Elkhart, Ind. Automatic pit gate and operating means therefor. 1,890,905; Dec. 13.

Good, John, Garden City, N. Y., assignor, by mesne assignments, to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,875,589; Sept. 6.

Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Automobile control. 1,886,672; Nov. 8.

Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Engine starting system. 1,887,238; Nov. 8.

Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Engine oiling system. 1,887,262; Nov. 8.

Good, John N. (See Thomas, T. H., and Good.)

Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,879,678; Sept. 27.

Good, Paul E., Riverton, N. J., assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for controlling blowers. 1,844,954; Feb. 16.

Good, Percy D., Bita Paka, Rabaul, New Guinea. Apparatus for the production of copra. 1,848,343; Mar. 8.

Good, Robert, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method and apparatus for annealing glassware. 1,844,154; Feb. 9.

Good, Robert, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass feeding apparatus. 1,844,847; Feb. 9.

Good, Robert, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Pneumatic glass feeder. 1,882,076; Oct. 11.

Good, William E., et al. (See Wellman, Henry J., assignor.)

Goodale, Charles D. (See Wheeler, M. C., and Goodale.)

Goodale, Walter D., jr. (See Inglis, A. H., Goodale, and Dietze.)

Goodall, Fred. (See Myers, N. H., and Goodall.)

Goodall, Howard W., Aldan, and J. W. Walsh, Philadelphia, Pa. Valve handle construction. 1,854,651; Apr. 19.

Goodall, Howard W., Aldan, and J. W. Walsh, Philadelphia, Pa. Hose coupling. 1,874,284; Aug. 30.

Goodall, John W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tool for forcing and drawing an element through conduits. 1,880,431; Oct. 4.

Goodall Worsted Company. (See Nutter, William S., assignor.)

Goodbar Manufacturing Corporation. (See Dorr, Oscar S., assignor.)

Goodbody, Edmund M., Bellerose, assignor to Intertype Corporation, Brooklyn, N. Y. Galley for line casting machines. 1,860,243; May 24.

Goodchild, George, Saco, Me., assignor to Saco-Lowell Shops, Boston, Mass. Stop motion for twister frames. 1,874,500; Aug. 30.

Goode, Gilbert C. (See Miller, C. W., and Goode.)

Goode, Gilbert C., Detroit, Mich., assignor to The White Motor Company, Cleveland, Ohio. Supercharger. 1,818,671; Nov. 29.

Goode, Gilbert C., Birmingham, F. A. Seile, and C. W. Miller, assignors to Chrysler Corporation, Detroit, Mich. Automotive vehicle chassis. 1,872,442; Aug. 16.

Goode, Mrs. H. W. (See Hamshaw, Clarence M., assignor.)

Goode, Kenneth H., State College, Pa. Electric meter. 1,843,320; Feb. 2.

Goode, Marvin A. (See Crute, Joseph T., assignor.)

Goodell, Robert. (See Atkinson, J. R., Goodell, and Stege.)

Goodell, William S. (See Rasmussen, A., and Goodell.)

Goodenhauf, Ralph P. (See Kucera, F., and Goodenhauf.)

Gooder, Seth M., Chicago, Ill. Method of and apparatus for raising roofs. 1,874,005; Aug. 30.

Goodeham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,852,647; Apr. 5.

Goodeham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,852,746; Apr. 5.

Goodeham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringing system. 1,864,061; June 21.

Goodfellow, Earl B., Arlington, N. J. Receptacle perforator and closure. 1,887,592; Nov. 15.

Goodhall, Sydney N. (See Willshaw, H., Goodhall, and Follins.)

Goodhein, Albert, North Bergen, and E. Wagner, Union City, N. J. Sealing device. 1,881,271; Oct. 4.

Goodin, Bruce B., Farmer City, Ill. Movable traffic signal. 1,891,062; June 21.

Goodin, Fred C., assignor to Packard Motor Car Company, Detroit, Mich. Machine and method for forming cores. 1,856,201; May 3.

Goodling, Howard P., York, Pa., and W. L. Henderson, Mobile, Ala. Cotton picker. 1,853,124; Apr. 12.

Goodloe, Aurelel Jr., assignor to Ready-Suds Company, Chattanooga, Tenn. Soap and water mixer. 1,846,098; Feb. 23.

Goodloe, Alfred M., Bradford, Pa., assignor to American Air Filter Company, Inc., Louisville, Ky. Apparatus for cleaning and charging air filters. 1,865,245; June 28.

Goodloe, Meade, Los Angeles, Calif. Connection for liquid level indicators. 1,886,179; Nov. 1.

Goodman, Elizabeth A., administrators. (See Goodman, Patrick.)

Goodman, Glen W.; W. B. Rosenfield, Memphis, Tenn., executor. Crossing guard. 1,878,234; Sept. 20.

Goodman, Herman E., Providence, R. I. Bottle package. 1,890,942; Dec. 13.

Goodman, Jacob, Brooklyn, N. Y., assignor to Emeth Financial Corporation, Hair waiver. 1,847,480; Mar. 1.

Goodman, Joseph. (See Tournier, C. A., and Goodman.)

Goodman, Lazure L. (See Thompson, William L., assignor.)

Goodman, Lazure L., Indianapolis, Ind. Hosiery. 1,864,017; June 21.

Goodman Manufacturing Company. (See Bodin, George, assignor.)

Goodman Manufacturing Company. (See Davis, Charles E., assignor.)

Goodman Manufacturing Company. (See Ernsbarger, George L., assignor.)

Goodman Manufacturing Company. (See Esseltine, Alfred B., assignor.)

Goodman Manufacturing Company. (See Farnham, Sidney W., assignor.)

Goodman Manufacturing Company. (See Hatt, Angus J., assignor.)

Goodman Manufacturing Company. (See Hatt, A. J., Johnson, and Pryde, assignors.)

Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)

Goodman Manufacturing Company. (See Mancha R., and Stoltz, assignors.)

Goodman Manufacturing Company. (See McCarty, Frank L., assignor.)

Goodman Manufacturing Company. (See McCarty, F. L., Ernsbarger, and Macdonald, assignors.)

Goodman Manufacturing Company. (See McCullough, William T., assignor.)

Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)

Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)

Goodman Manufacturing Company. (See Roozee, Peter, assignor.)

Goodman Manufacturing Company. (See Schroder, Robert E., assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodman Manufacturing Company. (See Vodoz, Frederick W., assignor.)
Goodman Manufacturing Company. (See Walter, Raymond A.)
Goodman Manufacturing Company. (See Wilhelmi, Charles F., assignor.)
Goodman Manufacturing Company. (See Wood, Claude O., assignor.)
Goodman, Mary, et al., administrators. (See Goodman, Patrick.)
Goodman, Morton R. (See Hazlett, W. W., First and Goodman.)
Goodman, Patrick, deceased, Brooklyn, N. Y.; M. and E. A. Goodman, administrators. Portable safety signal. 1,863,442; June 14.
Goodman, Walter, San Fernando, Calif. Flying device. 1,845,913; Feb. 16.
Goodman, William H., London, England, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,861,006; May 31.
Goodman, William W., et al. (See Medlock, Wendyl R., assignor.)
Goodner, James A., Rocky Ford, Colo. Pump. 1,840,711; Jan. 12.
Goodrich, B. F., Company, The. (See Ashton, William S., assignor.)
Goodrich, B. F., Company, The. (See Atkins, Vaol E., assignor.)
Goodrich, B. F., Company, The. (See Bedford, Clayton W., assignor.)
Goodrich, B. F., Company, The. (See Bedur, George K., assignor.)
Goodrich, B. F., Company, The. (See Beebe, John D., assignor.)
Goodrich, B. F., Company, The. (See Bennett, Thomas A., assignor.)
Goodrich, B. F., Company, The. (See Biggs, Norris W., assignor.)
Goodrich, B. F., Company, The. (See Black, Joseph J., assignor.)
Goodrich, B. F., Company, The. (See Black, J. J., and Gleasend, assignors.)
Goodrich, B. F., Company, The. (See Bowers, Harold E., assignor.)
Goodrich, B. F., Company, The. (See Brown, Winthrop, Jr., assignor.)
Goodrich, B. F., Company, The. (See Bruck, Robert L., assignor.)
Goodrich, B. F., Company, The. (See Burnham, Laurence H., assignor.)
Goodrich, B. F., Company, The. (See Butler, R. A., and Mathews, assignors.)
Goodrich, B. F. Company, The. (See Cadden, Charles C., assignor.)
Goodrich, B. F., Company, The. (See Cook, H. E., and Richards, assignors.)
Goodrich, B. F., Company, The. (See Davidson, Elias E., assignor.)
Goodrich, B. F., Company, The. (See Davis, Herbert L., assignor.)
Goodrich, B. F., Company, The. (See Dorner, John A., assignor.)
Goodrich, B. F., Company, The. (See Dow, Warren R., assignor.)
Goodrich, B. F., Company, The. (See Eakin, Willard D. assignor.)
Goodrich, B. F., Company, The. (See Ellis, Howard G., assignor.)
Goodrich, B. F., Company, The. (See Evans, Benjamin A., assignor.)
Goodrich, B. F., Company, The. (See Fisher, Harry L., assignor.)
Goodrich, B. F., Company, The. (See Fowler, Fred D., assignor.)
Goodrich, B. F., Company, The. (See Freeman, Walter B., assignor.)
Goodrich, B. F., Company, The. (See Geer, William C., assignor.)
Goodrich, B. F., Company, The. (See Graham, Thornton G., assignor.)
Goodrich, B. F., Company, The. (See Gray, Harold, assignor.)
Goodrich, B. F., Company, The. (See Griffiths, Richard T., assignor.)
Goodrich, B. F., Company, The. (See Haushalter, Fred L., assignor.)
Goodrich, B. F., Company, The. (See Homier, O. F., and Young, assignors.)
Goodrich, B. F., Company, The. (See Hopkins, Ethan C., assignor.)
Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
Goodrich, B. F., Company, The. (See Karrer, Enoch, assignor.)
Goodrich, B. F., Company, The. (See Kuhne, Bernhard G., assignor.)
Goodrich, B. F., Company, The. (See Legullion, Charles W., assignor.)
Goodrich, B. F. Company, The. (See Legullion, C. W., and Warner, assignors.)
Goodrich, B. F., Company, The. (See Mayne, Robert, assignor.)
Goodrich, B. F., Company, The. (See Merrill, Allan B., assignor.)
Goodrich, B. F., Company, The. (See Nathan, Tracy D., assignor.)
Goodrich, B. F., Company, The. (See Oenslager, George, assignor.)
Goodrich, B. F., Company, The. (See Rogers, F. C., and Gay, assignors.)
Goodrich B. F., Company, The. (See Schippel, Henry F., assignor.)
Goodrich, B. F., Company, The. (See Schwan, George W., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Shank, McConnell, assignor.)
Goodrich, B. F., Company, The. (See Slusher, Frank, assignor.)
Goodrich, B. F., Company, The. (See Small, John O., assignor.)
Goodrich, B. F., Company, The. (See Smiley, Pearl Y., assignor.)
Goodrich, B. F., Company, The. (See Smith, Wilfred A., assignor.)
Goodrich B. F. Company, The. (See Taylor. Bert S., assignor.)
Goodrich, B. F., Company, The. (See Taylor, B. S., and Jones, assignors.)
Goodrich, B. F., Company, The. (See Taylor, Joseph I., assignor.)
Goodrich, B. F., Company, The. (See Thompson, W. B., and Merrill, assignors.)
Goodrich, B. F., Company, The. (See Trathen, James, assignor.)
Goodrich, B. F., Company, The. (See Warner, Noah L., assignor.)
Goodrich, B. F., Company, The. (See Whitcomb, J. H., assignor.)
Goodrich, B. F., Company, The. (See Whitcomb, J. H., and Wagner, assignors.)
Goodrich, B. F., Company, The. (See Whitcomb, John, assignor.)
Goodrich, B. F., Company, The. (See Wilson, G. F., and Shook, assignors.)
Goodrich, B. F., Company, The. (See Winkelmann, Herbert A., assignor.)
Goodrich, B. F., Company, The. (See Young, Harvey L., assignor.)
Goodrich, B. F., Company, The. (See Zimmerli, W. F., and Havenhill, assignors.)
Goodrich, B. F., Company, The. (See Zimmerli, W. F., and Semon, assignors.)
Goodrich, Charles W. (See Ernst, H., and Goodrich.)
Goodrich, Chauncey M., Windsor, Ontario, Canada. Short leg tower extension. 1,858,925; May 17.
Goodrich, Chauncey M., Windsor, Ontario, Canada. Truss. 1,859,136; May 17.
Goodrich Electric Company. (See Saaf, Dirk G., assignor.)
Goodrich, Robert J. (See Deinet, J., Goodrich, and Stallmann.)
Goodrich, Robert J. (See Gubelmann, I., Goodrich, and Rintelman.)
Goodrich, Robert J. (See Rintelman, W. L., and Goodrich.)
Goodrich, Robert J., and I. Gubelmann, South Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Isolation of pure alpha-anthraquinone-monosulphonic acid. 1,881,498; Oct. 11.
Goodrich, Thomas V., Lincoln, Nebr. Educational material. 1,858,823; July 26.
Goodridge, George E., Reading, Mass., assignor to Arthur H. Ballard, Incorporated, Boston, Mass. Regulating combustion. 1,863,443; June 14.
Goodridge, George E., Reading, assignor to Arthur H. Ballard, Incorporated, Boston, Mass. Combustion control device. 1,822,188; Dec. 27.
Goodrum, Charles L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse circuit. 1,840,090; Jan. 5.
Goodrum, Charles L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone exchange system. 1,840,356; Jan. 12.
Goodrum, Charles L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Panel dial switching system. 1,840,357; Jan. 12.
Goodsell, Elwin M. (See Goodsell, James A., assignor.)
Goodsell, James A., assignor of one-half to E. M. Goodsell, Hudson, Mich. Dispenser for tobacco or granular material. 1,858,735; May 17.
Goodspeed, Elvin S., assignor to General Motors Corporation, Detroit, Mich. Electric welding apparatus. 1,855,609; Apr. 12.
Goodspeed Investment Company. (See Williams, Chester I., assignor.)
Goodstein, Abraham. (See Spielberg, Joseph M.)
Goodstein, Bella. (See Goodstein, Charles B., assignor.)
Goodstein, Charles B., Brooklyn, assignor to Bella Goodstein, New York, N. Y. Staple and driving the same. 1,868,100; July 19.

Goodwin, Arthur C., and T. H. Barnard, Toronto, Ontario, Canada. Suspension clamp for electric conductors. 1,857,277; May 10.

Goodwin, Ernest G., Pelham, N. Y. Side bearing. 1,865,900; July 5.

Goodwin, Fredrick P., Manhattan, Ill. Chin rest. 1,848,217; Mar. 8.

Goodwin, George S., assignor to Camel Company, Chicago, Ill. House car end construction. 1,865,246; June 28.

Goodwin, Harley E., Hartford, Conn. Game. 1,866,158; July 5.

Goodwin, Henry S. (See Mills, L. E., and Goodwin.)

Goodwin, John O., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Heel molding method. 1,877,298; Sept. 13.

Goodwin, John O., Akron, assignor to Siberling Latex Product Company, Barberton, Ohio. Ball covering process. 1,883,704; Oct. 18.

Goodwin, Loomis M., Raleigh, N. C. Tobacco truck. 1,851,004; Mar. 29.

Goodwin, Percy E., assignor to The Steel Scaffolding Co., Inc., Evansville, Ind. Adjustable elevating trestles. 1,851,668; Nov. 1.

Goodwin, Ralph T., Elizabeth, N. J., assignor to Standard Oil Development Company. Treatment of hydrocarbon residues containing inorganic substances and product obtained thereby. 1,865,001; June 28.

Goodwin, Robert B., Memphis, Tenn. Device for heating automobile motors. 1,892,571; Dec. 27.

Goodwin, William N., jr., assignor to Weston Electrical Instrument Corp., Newark, N. J. Testing vacuum tubes. Des. 74,841; Nov. 1.

Goodwin, William N., jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Vacuum tube tester. 1,854,909; Apr. 19.

Goodwin William N. jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Tube tester. 1,854,910; Apr. 19.

Goodyear, James W., Birkenhead, England. Hull of ships. 1,877,235; Sept. 13.

Goodyear, Lloyd E., Chicago, Ill. Loose leaf binder. 1,857,843; May 10.

Goodyear Tire & Rubber Company, The. (See Albertoni, George J., assignor.)

Goodyear Tire & Rubber Company, The. (See Andrews, George G., assignor.)

Goodyear Tire & Rubber Company, The. (See Bateman, Ralph C., assignor.)

Goodyear Tire & Rubber Company, The. (See Brown, Harold M., assignor.)

Goodyear Tire & Rubber Company, The. (See Bruson, Herman A., assignor.)

Goodyear Tire & Rubber Company, The. (See Burdette, Richard S., assignor.)

Goodyear Tire & Rubber Company, The. (See Calvert, William C., assignor.)

Goodyear Tire & Rubber Company, The. (See Campbell, Wallace H., assignor.)

Goodyear Tire & Rubber Company, The. (See Carson, Clarence M., assignor.)

Goodyear Tire & Rubber Company, The. (See Cattran, Charles, assignor.)

Goodyear Tire & Rubber Company, The. (See Clark, Elmer, assignor.)

Goodyear Tire & Rubber Company, The. (See Clifford, Albert M., assignor.)

Goodyear Tire & Rubber Company, The. (See Darrow, Burgess, assignor.)

Goodyear Tire & Rubber Company, The. (See Endres, Herbert A., assignor.)

Goodyear Tire & Rubber Company, The. (See Ensley, Fovel E., assignor.)

Goodyear Tire & Rubber Company, The. (See Evans, Rhys D., assignor.)

Goodyear Tire & Rubber Company, The. (See Gerstenslinger, William H., assignor.)

Goodyear Tire & Rubber Company, The. (See Goodall, John W. W., assignor.)

Goodyear Tire & Rubber Company, The. (See Gunsaulus, Alfred C., assignor.)

Goodyear Tire & Rubber Company, The. (See Hall, Lindsay S., assignor.)

Goodyear Tire & Rubber Company, The. (See Handy, George A., assignor.)

Goodyear Tire & Rubber Company, The. (See Houck, Frank J., assignor.)

Goodyear Tire & Rubber Company, The. (See Jenkinson, Ross E., assignor.)

Goodyear Tire & Rubber Company. (See Kastner, Edward C., assignor.)

Goodyear Tire & Rubber Company, The. (See Kirk, Raphael S., assignor.)

Goodyear Tire & Rubber Company, The. (See Klaus, Fred R., assignor.)

Goodyear Tire & Rubber Company, The. (See Kurtz, Stewart S., jr., assignor.)

Goodyear Tire & Rubber Company, The. (See Lee, Adelbert E., assignor.)

Goodyear Tire & Rubber Company, The. (See Lewis, Warren K., assignor.)

Goodyear Tire & Rubber Company, The. (See Maas, Elov F., assignor.)

Goodyear Tire & Rubber Company, The. (See MacMonagle, William E., assignor.)

Goodyear Tire & Rubber Company, The. (See Mallory, Gerald D., assignor.)

Goodyear Tire & Rubber Company, The. (See Morse, Herman E., assignor.)

Goodyear Tire & Rubber Company, The. (See Moss, Cruse W., assignor.)

Goodyear Tire & Rubber Company, The. (See Musselman, Alvin J., assignor.)

Goodyear Tire & Rubber Company. (See Park, Charles R., assignor.)

Goodyear Tire & Rubber Company. (See Purdy, John F., assignor.)

Goodyear Tire & Rubber Company, The. (See Rowland, Ben W., assignor.)

Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)

Goodyear Tire & Rubber Company, The. (See Sebrell, L. B., and Clifford, assignors.)

Goodyear Tire & Rubber Company, The. (See Shively, Jess A., assignor.)

Goodyear Tire & Rubber Company, The. (See Snyder, Robert W., assignor.)

Goodyear Tire & Rubber Company, The. (See Sprowls, George M., assignor.)

Goodyear Tire & Rubber Company, The. (See State, Will C., assignor.)

Goodyear Tire & Rubber Company. (See Steere, Samuel A., assignor.)

Goodyear Tire & Rubber Company, The. (See Stephens, William W., assignor.)

Goodyear Tire & Rubber Company, The. (See Templin, Ellis W., assignor.)

Goodyear Tire & Rubber Company, The. (See Teppema, Jan, assignor.)

Goodyear Tire & Rubber Company, The. (See Van Rennes, Cornelis, assignor.)

Goodyear Tire & Rubber Company, The. (See Weigolt, Alphouse D., assignor.)

Goodyear Tire & Rubber Company, The. (See White, Clarence L., assignor.)

Goodyear Tire & Rubber Company, The. (See Williams, Dayton L., assignor.)

Goodyear Tire & Rubber Company, The. (See Wolfe, William D., assignor.)

Goodyear Tire & Rubber Company, The. (See Woodward, Alva W., assignor.)

Goodyear-Zeppelin Corporation. (See Arnstein, K., and Heins, assignors.)

Goodyear-Zeppelin Corporation. (See Arnstein, K., Helms, and Watson, assignors.)

Goodyear-Zeppelin Corporation. (See Rieger, Leonz P. A., assignor.)

Goodyear's India Rubber Glove Manufacturing Company, The. (See Anderson, Roland G., assignor.)

Goodyear's India Rubber Glove Manufacturing Company, The. (See Hopwood, W. B., and Marlor, assignors.)

Goodyear's India Rubber Glove Mfg. Company, The. (See Hubbell, Clarence W., assignor.)

Goodyear's India Rubber Glove Mfg. Company, The. (See King, R. J., and Blake, assignors.)

Goodyear's India Rubber Glove Manufacturing Company, The. (See Lewis, Harry F., assignor.)

Goodyear's India Rubber Glove Mfg. Company, The. (See Manville, Henrietta P., assignor.)

Goodyear's India Rubber Glove Mfg. Co. (See Patten, Ernest L., assignor.)

Goodyear's India Rubber Glove Mfg. Company, The. (See Randall, Chester J., assignor.)

Goodyear's India Rubber Glove Manufacturing Company, The. (See Regan, William V., assignor.)

Goodyear's India Rubber Glove Manufacturing Company, The. (See Rice, Harold D., assignor.)

Gookin, William C., Corydon, Iowa. Beet harvester. 1,855,549; Apr. 26.

Gould, Horace A., Southgate, assignor of one-half to Michael L. Fogarty, Los Angeles, Calif. Dry concentrator. 1,868,896; July 26.

Gooley, Clarence A., and E. L. Gooley, jr., Harrington, Wash. Windshield wiper. 1,873,218; Aug. 23.

Gooley, Edward L., jr. (See Gooley, Clarence A. and E. L., jr.)

Gooley, William T., Chicago, Ill. Electric dash sign. 1,847,647; Mar. 1.

Goolsbee, Charles C., Houston, Tex. Apparatus for applying hard facing material to fish-tail bits. 1,866,028; July 5.

Gooskens, Henricus. (See van der Poel, J. M., and Gooskens.)

Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Throw-out feed-lift mechanism for sewing machines. 1,879,190; Sept. 27.

Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Throw-out feed-lift mechanism for sewing machines. 1,879,191; Sept. 27.

Goosmann, Justus C., Waynesboro, Pa. Refrigerating apparatus and control valve therefor. 1,854,402; Apr. 19.

Goost, Theodor. (See Lommel, W., Goost, and Friedrich.)

Goostray, Joseph, East Milton, assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass. Brake drum. 1,865,311; June 28.

Goostray, Joseph, East Milton, assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass. Brake drum. 1,865,312; June 28.

Gora, Henry, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Machine for cutting rings. 1,864,903; June 28.

Goran, John F., Dayton, Ohio. Hose reel and the like. 1,844,934; Feb. 16.

Goranson, David. (See Goranson, Hjalmar and D.)

Goranson, Hjalmar and D., San Jose, assignors to California Packing Corporation, San Francisco, Calif. Fruit peeling machine. 1,861,084; May 31.

Goranson, Hjalmar, and D. Goranson, San Jose, assignors to California Packing Corporation, San Francisco, Calif. Fruit peeling machine. 1,872,731; Aug. 23.

Goranson, Hjalmar, and D. Goranson, Sunnyvale, assignors to California Packing Corporation, San Francisco, Calif. Fruit peeling machine. 1,872,732; Aug. 23.

Goranson, Hjalmar and D., San Jose, assignors to California Packing Corporation, San Francisco, Calif. Fruit peeling machine. 1,874,000; Sept. 6.

Göransson, John J. J., Linköping, and A. T. Koch, Motala, Sweden. Lamp for motor cars. 1,882,493; Oct. 11.

Gorbutt, Sidney B., Portland, Oreg. Frame for flat screens. 1,870,846; Aug. 9.

Gorbutt, Sidney B., assignor to Electric Steel Foundry Company, Portland, Oreg. Screen shaker. 1,848,473; Mar. 8.

Gorbutt, Sidney B., assignor to Electric Steel Foundry Company, Portland, Oreg. Articulated drive shaft for flat screens. 1,885,254; Nov. 1.

Gordan, Adolf, Liesing, near Vienna, Austria, assignor, by mesne assignments, to Firm of Deutsche-Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Concentrating volatile aliphatic acids. 1,858,151; May 10.

Gordan, Adolf, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort (Main), Germany. Apparatus for the manufacture of water-free ethyl alcohol. 1,891,593; Dec. 20.

Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Color slide control for multi color magazines. 1,852,077; Apr. 5.

Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Sheave stand for looms. 1,852,078; Apr. 5.

Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Center selvage motion. 1,872,935; Aug. 23.

Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lock knife for looms. 1,873,194; Aug. 23.

Gordon, Arthur, Chicago, Ill. Grease trap. 1,851,172; Mar. 29.

Gordon, Bernard, New York, N. Y. Apparatus for treating the exhaust gases of internal combustion engines. 1,877,523; Sept. 13.

Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Joint. 1,856,072; May 3.

Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Superheater arrangement. 1,883,705; Oct. 18.

Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Boiler. 1,883,706; Oct. 18.

Gordon, Charles W., Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Baffle arrangement. 1,883,707; Oct. 18.

Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Superheater. 1,883,708; Oct. 18.

Gordon, David, Tarrytown, N. Y., and R. W. Ryan, Dover, N. J., assignors to The Consolidated Gas Company of New York, New York, N. Y. Dehydration of gas. 1,866,560; July 12.

Gordon, David W., Pittsburgh, Pa. Absorption refrigeration apparatus. 1,886,243; Nov. 1.

Gordon-Dunnam Manufacturing Company. (See Gordon, John W.)

Gordon-Dunnam Manufacturing Company, The. (See Gordon, John W., assignor.)

Gordon, Essea E., et al. (See Forsyth, Benjamin F., assignor.)

Gordon, Frank. (See Anderson, H. J., and Gordon.)

Gordon, Granville J., Noxon, Mont. Level. 1,877,455; Sept. 13.

Gordon, Harry P., assignor to Abbott Coin Counter Company, New York, N. Y. Coin container and making the same. 1,848,168; Mar. 8.

Gordon, Hiram, Columbus, Ohio. Heel-seat trimming machine. 1,886,229; Nov. 22.

Gordon, John A., Kansas City, Mo. Filter. 1,892,210; Dec. 27.

Gordon, John W., assignor to The Gordon-Dunnam Manufacturing Company, Dayton, Ohio. Tube cutting and flaring machine. 1,851,276; Mar. 29.

Gordon, John W., Cotham, Bristol, assignor to Chappell Allen & Company Limited, Redfield, England. Corset and the like. 1,854,187; Apr. 19.

Gordon, John W., assignor to The Gordon-Dunnam Manufacturing Company, Dayton, Ohio. Tube cutting and flaring device. 1,876,914; Sept. 13.

Gordon-Jones, William G., Punakitere, Bay of Islands, New Zealand. Aerator and cooler for milk, cream, or other liquids. 1,846,959; Feb. 23.

Gordon, Joseph R., assignor of one-half to C. F. Willey, Baldwin, N. Y. Seeding attachment for lawn-mowers. 1,876,409; Sept. 6.

Gordon, Julius G., assignor of one-half to P. Meinardi, Yakima, Wash. Closure means for collapsible tubes. 1,891,623; Dec. 20.

Gordon, Kenneth, and J. Hughes, Norton-on-Tees, assignors to Imperial Chemical Industries Limited, London, England. Treatment of coal distillation gases. 1,875,920; Sept. 6.

Gordon, Louis. (See Consorti, John, assignor.)

Gordon, Marcus A., Little Neck, assignor to American Chicle Company, Long Island City, N. Y. Recovery of chicle and similar gum from filter press residue. 1,871,299; Sept. 13.

Gordon, Maurice B., Roselle, N. J. Tension and adjusting device for vests and other garments. 1,854,133; Apr. 12.

Gordon, Samuel, Far Rockaway, N. Y., assignor to International Dry Refrigeration Corporation, Wilmington, Del. Refrigerator. 1,876,915; Sept. 13.

Gordon, Wallace W., West Concord, Minn. Band knife attachment for pitchforks. 1,861,526; June 7.

Gordon, Walter F., Dallas, Tex. Cigarette making machine. 1,892,143; Dec. 27.

Gordon, William, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,362; Mar. 1.

Gordon, William A., Shelton, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Machine for plasticating materials. 1,849,291; Mar. 15.

Gordon, William A., Shelton, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Machine for plasticating materials. 1,849,292; Mar. 15.

Gordon, William S., San Antonio, Tex., assignor of one-fourth to M. Atkins and one-fourth to E. A. Green, Mound Bayou, Miss. Berth ladder for sleeping cars. 1,887,301; Nov. 8.

Gore, Herbert C., Scarsdale, S. Józsa, and C. N. Frey, New York, N. Y., assignors to Standard Brands Incorporated, Dover, Del. Textile treating process and composition. 1,859,084; May 17.

Gore, Reginald E., London, England. Fire extinguishing device. 1,850,008; Mar. 15.

Gorecky, Frank, Pittsburgh, Pa. Shear corrugating and grinding machine. 1,853,151; Apr. 26.

Gorham, Edward W. (See Hassell, M. E., and Gorham.)

Gorham Manufacturing Company. (See Achurch, William H., assignor.)

Gorham, Water G. (See Willshaw, H., Gorham, and Lee.)

Gorlan, Adolf, Liesing, near Vienna, Austria. Production of water-free ethyl alcohol. 1,879,847; Sept. 27.

Gorban, Adolf, Liesing, near Vienna, Austria, assignor, by mesne assignments, to Firm Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Concentrating volatile aliphatic acids. 1,858,150; May 10.

Gorlan, Adolf, Liesing, near Vienna, Austria, assignor to the Firm Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Extracting concentrated volatile aliphatic acids. 1,878,695; Sept. 20.

Gorie, William E. N., Middle Park, near Melbourne, Australia. Equalizing mechanism for vehicles. 1,862,262; June 7.

Gorin, Charlotte P., Seattle, Wash. Hair curling device. 1,859,440; May 24.

Gorman, Charles W., Muskogee, Okla. Door operating means. 1,854,584; Apr. 19.

Gorman, Frank F., Bristow, Okla. Treating petroleum oils. 1,886,008; Nov. 1.

Gorman, James C., assignor to The Barnes Manufacturing Company, Mansfield, Ohio. Diaphragm convertible pump. 1,891,408; Dec. 20.

Gorman, Patrick F., Central Falls, R. I. Aerial safety suit device. 1,875,807; Sept. 6.

Gorman, Sydney, Edgewater, Colo. Battery terminal clamp. 1,889,019; Nov. 29.

Gormley, Frank L., Chicago, assignor to The Buda Company, Harvey, Ill. Lifting jack. 1,849,712; Mar. 15.

Gormley, John B., Boston, Mass. Punch. 1,863,901; June 21.

Goroshko, Will, Maspeth, and G. Laput, Brooklyn, N. Y. 1,864,429; June 21.

Gorr, Walter B., assignor to Skinner Engine Company, Erie, Pa. Valve gear. 1,865,247; June 28.

Gorrie, Harvard H., Cleveland, Ohio, assignor to Bailey Meter Company. Integrating mechanism. 1,892,183; Dec. 27.

Gorsuch, Ralph, Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method and apparatus for simultaneously emptying glass tanks and reducing the molten glass to granules. 1,865,367; June 28.

Gorsuch, Robert A., Gambier, Ohio. Chicken brooder. 1,850,347; Mar. 22.

Gortner, Ross A. (See Hoffman, W. F., and Gortner.)

Gortner, Ross A., St. Paul, and W. F. Hoffman, assignors to Northwest Paper Company, Cloquet, Minn. Electrodialysis. 1,878,295; Sept. 20.

Gorton, George, Racine, Wis. Routing, milling, and other machine tool. 1,862,052; June 7.

Gorton, George, Racine, Wis. Cutter head assembly for routing and other machine tools. 1,889,653; Nov. 29.

Gorton, George, 3d. (See Gorton, George and G., 3d.)
Gorton, George, and G., 3d, Racine, Wis. Engraving and other machine. 1,881,500 : Oct. 11.
Gorton, George, Machine Company. (See Horner, George, assignor.)
Gorton, Roy H. (See Stallings, E. O., and Gorton.)
Gorton, William S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse and wave transmission system. 1,855,601 : Apr. 26.
Gorton, William S., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine cable loading coil. 1,881,499 : Oct. 11.
Gosch, Harry E., assignor to Creo-Dipt Company, Inc., North Tonawanda, N. Y. Locking device for the covers of impregnating tanks, etc. 1,872,443 : Aug. 16.
Gosch, Henry. (See Welman, Herman P., assignor.)
Gosch, William H., assignor to The Nolde and Horst Company, Reading, Pa. Hosiery package. 1,872,936 : Aug. 23.
Gosch, William H., assignor to The Nolde and Horst Company, Reading, Pa. Stocking. 1,880,086 : Sept. 27.
Gosch, William H., and H. W. Sherman, assignors to The Nolde and Horst Company, Reading, Pa. Apparatus for conditioning hosiery and the like. 1,848,474 : Mar. 8.
Goschnick, Catherine K., Port Huron, Mich. Freight car seal. 1,866,461 : July 5.
Gosden, Freeman F., et al. (See Marx, Louis, assignor.)
Gose, Paul A., et al. (See Pinckard, William P., assignor.)
Goshorn, Harry D. (See Sigsbey, F. W., and Goshorn.)
Gosline, Alfred P., Boston, Mass. Treating materials with air. 1,854,789 : Apr. 19.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Combined clock, thermometer and thermostat. Des. 88,082 : Oct. 25.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting standard. Des. 88,534 ; Dec. 6.
Gosmann, Enart, Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound reproducing system. 1,881,501 : Oct. 11.
Goss, Byron C., Cleveland, Ohio. Generation of persistent disabling gases. 1,878,488 : Sept. 20.
Goss, Byron C., Cleveland, Ohio. Generation of persistent disabling gases. 1,878,489 : Sept. 20.
Goss, Byron C., Cleveland, Ohio. Grenade or pressure container. 1,878,490 : Sept. 20.
Goss, Byron C., Cleveland, Ohio. Explosive device. 1,878,491 : Sept. 20.
Goss, Byron C., Cleveland, Ohio. Protective device, consisting of a gas gun. 1,878,492 : Sept. 20.
Goss, Byron C., Cleveland, Ohio. Expansion chamber type gas gun. 1,892,700 : Dec. 27.
Goss, Byron C., Cleveland, Ohio, assignor to the Lake Erie Chemical Company. Dense opaque smoke and irritating fume and gas producing chemicals. 1,886,894 ; Nov. 8.
Goss and De Leeuw Machine Company, The. (See Goss, Stanley T., assignor.)
Goss, Edward L., and Henry Mueller, Waterloo, Iowa. Violin. 1,870,623 : Aug. 9.
Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Envelope machine. Re18,463 : May 17.
Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for making paper boxes. 1,867,259 ; July 12.
Goss, John H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tube and tube sheet and ferrule therefor. 1,866,561 ; July 12.
Goss-Mop Continental A.-G. (See Schildt, Ernst, assignor.)
Goss Printing Press Company. (See Becker, William E., assignor.)
Goss Printing Press Company, The. (See Boyce, John A., assignor.)
Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
Goss Printing Press Company. (See Cox, Paul F., assignor.)
Goss Printing Press Company. (See Crafts, Curtis S., assignor.)
Goss Printing Press Company, The. (See Fankboner, Harland, assignor.)
Goss Printing Press Company. (See Lang, Hubert, assignor.)
Goss Printing Press Company. (See Richter, Charles J., assignor.)
Goss Printing Press Company. (See Schroeder, Hans C., assignor.)
Goss Printing Press Co., The. (See Smith, Ernest J., assignor.)
Goss, Stanley T., assignor to The Goss and De Leeuw Machine Company, New Britain, Conn. Threading machine. 1,843,976 ; Feb. 9.
Gossard, H. W., Co., The. (See Cunningham, Katherine E., assignor.)
Gossard, Roy R., Glendora, Calif. Hay chopper and spreader. 1,844,279 ; Feb. 9.
Gosse, William C., San Francisco, Calif. Dental bridge investment support. 1,857,538 ; May 10.
Gosselin, Abraham, Fisherville, Mass. Filling retaining device for looms. 1,881,502 ; Oct. 11.
Gosselin, Marcel, Sousse, Tunis. Folding photographic camera. 1,851,095 : Mar. 29.
Gosselink, John G. (See Schur, M. O., and Gosselink.)
Gossett, Maurice T. (See White, J. B., and Gossett.)
Gosslau, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fuel pump. 1,876,916 ; Sept. 13.
Gosslau, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Piston for internal combustion engines. 1,876,917 ; Sept. 13.
Gosslau, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Multicylinder two-stroke internal combustion engine. 1,883,781 : Oct. 18.
Gossler, Oscar, Firm. (See Borcholt, A., and Meyer, assignors.)
Gossling, Bernard A. (See Gossling, Frank J. and B. A.)
Gossling, Frank J., St. Bernard, and B. A. Gossling, Norwood, Ohio. Window shade operating device. 1,865,466 ; July 5.
Gossman, Andrew P. (See Ramsey, W. F., and Gossman.)
Goth, Erich, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Maine, Germany. Manufacturing viscose. 1,862,592 ; June 14.
Goth, Max. (See Suder, H., and Goth.)
Goth, Max, Munich, Germany. Injecting fuel without air into internal combustion engines. 1,840,442 ; Jan. 12.
Gotham Silk Hosiery Company Inc. (See Bomhoff, Cornelius, assignor.)
Gotham Silk Hosiery Company. (See Tobin, Clarke W., assignor.)
Gothard, Thomas J., Los Angeles, and R. Wynn. Hynes, Calif. Pumping apparatus. 1,858,820 ; Nov. 1.
Gothman, Louis, and I. E. Smalley, Rapid City, S. Dak. Ironing board. 1,859,361 ; May 24.
Gott, Gene, Kansas City, Mo. Novelty toy. Des. 87,055 ; May 31.
Gott, William A., Melrose, assignor to Jenney Manufacturing Company, Boston, Mass. Pump casing for service stations. Des. 86,713 ; Apr. 12.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,707 : Dec. 20.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,708 : Dec. 27.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,709 : Dec. 27.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,710 : Dec. 27.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,711 : Dec. 27.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,712 : Dec. 27.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,713 : Dec. 27.
Gottesman, Joseph M., Paris, France, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,714 : Dec. 27.
Gottfried, John, Brooklyn, N. Y. Fraud preventing device. 1,839,874 ; Jan. 5.
Gottfried, John, Brooklyn, assignor to Cameo Scale Corporation, New York, N. Y. Vending machine. 1,891,640 ; Dec. 20.
Gotthardt, Henry R., assignor to Logan Co. Inc., Louisville, Ky. Duplicating machine bearing. 1,856,847 ; May 3.
Gotthardt, Henry R., Louisville, Ky., and W. E. Cain, Jeffersonville, Ind., assignors to Logan Co., Inc., Louisville, Ky. Conveyer gate section. 1,875,375 : Sept. 6.
Gottlief, Max E., Cleveland, Ohio. Reflector lamp. 1,854,932 ; Apr. 19.
Gottmanns, Karl, Hilden, Germany. Bearing. 1,890,604 : Dec. 13.
Gottschalk, Charles, and D. T. Blakey, Evansville, Ind.; said Blakey assignor to said Gottschalk. Wheeled mine crane. 1,870,906 ; Aug. 9.
Gottschalk, John J., Taunton, Mass. Shaving brush. 1,870,847 ; Aug. 9.
Gottschalk, John W., Philadelphia, Pa. Abradant. 1,862,263 ; June 7.
Gottschalk, John W., and S. W. Grater, Philadelphia, Pa.; said Grater assignor to said Gottschalk. Metallic bunch and making it. 1,856,871 ; Nov. 8.
Gottschall, Clarence R., and H. H. Pike, Independence, assignors to The Gleaner Combine Harvester Corporation, Kansas City, Mo. Conveyor for combines or like machines. 1,859,586 ; May 24.
Gottschall, Joseph E., Madison, Wis. Clothes clamp 1,879,192 ; Sept. 27.
Gottwald, Christian, assignor to The Ric-Wil Company, Cleveland, Ohio. Pipe support for use with conduits. 1,846,550 : Feb. 23.
Gottwald, Christian, assignor to The Ric-Wil Company, Cleveland, Ohio. Improved thermo packing material. 1,877,396 ; Sept. 13.

Götz, František, Plizen, Czechoslovakia. Centrifugal force fluid pressure clutch. 1,857,016; May 3.
Götz, František, Plizen, Czechoslovakia. Transmission mechanism. 1,857,017; May 3.
Goudard, Maurice, Neuilly Sur Seine, France. Carburetor. 1,842,866; Jan. 26.
Goudard, Maurice, assignor to Societe Anonyme Solex, Neuilly Sur Seine, France. Carburetor. 1,842,867; Jan. 26.
Goudie, Peter L., Johnson County, Kans. Awning sheet. Des. 87,210; June 21.
Goudiss, Clarence H., Jr., New York, N. Y., assignor to Richear Corporation, Wilmington, Del. Fruit juice extractor. 1,835,011; Oct. 25.
Gould, Carl F., Fisalning, assignor to Pacent Electric Company, Inc., Long Island City, N. Y. Connection for power amplifiers. 1,842,351; Jan. 19.
Gouge, Pierre, assignor to Societe Metallurgique de Normandie, Paris, France. Device for automatically advancing perforating hammers by sliding on a support. 1,857,686; May 10.
Gough, Arthur L., assignor to Shaw Crane-Putnam Machine Company, Inc., Fitchburg, Mass. Multiple spindle boring machine. 1,857,953; May 10.
Gough, Fred J., Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Foam cell. 1,840,443; Jan. 12.
Gough, Harry E., Ozone Park, N. Y. Hat block construction. 1,890,272; Dec. 6.
Gouge, Joseph, Newark, N. J., assignor to Gough Stemming Machine Corporation. Leaf stemmer. 1,842,865; Jan. 26.
Gough Stemming Machine Corporation. (See Gough, Joseph, assignor.)
Gould Coupler Company, The. (See Barrows, Donald S.)
Gould Coupler Company, The. (See Barrows, Donald S., assignor.)
Gould Coupler Company, The. (See Barrows, D. S., and Couch, assignors.)
Gould Coupler Company, The. (See Blattner, Emil H., assignor.)
Gould Coupler Company, The. (See Couch, Glenn F., assignor.)
Gould Coupler Company, The. (See Davis, Donald C., assignor.)
Gould Coupler Company, The. (See Richards, Willard F., assignor.)
Gould, David, assignor to The Stanley Works, New Britain, Conn. Door latch. 1,865,391; June 28.
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Gould & Eberhardt. (See Zimmermann, W. F., and Duffy, assignors.)
Gould, George D., Chicopee, Mass. Lamp supporting device. 1,888,723; Nov. 22.
Gould, George M., Brooklyn, N. Y. Temporary bathtub cover. 1,861,451; May 31.
Gould, John H., assignor to Aircraft Products Corporation of America, Detroit, Mich. Airplane strut construction. 1,891,977; Dec. 27.
Gould Storage Battery Corporation. (See Bell, Charles W., assignor.)
Gould Storage Battery Corporation. (See Hubbard, Albert S., assignor.)
Gould, William J., assignor to Jesse D. Edick, Johnstown, N. Y. Sponge mop. 1,884,659; Oct. 25.
Gould, William S., New York, and W. B. Osborne, Buffalo, N. Y. Making separators. 1,871,171; Aug. 9.
Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel breast flap laying and flap trimming machine. 1,882,077; Oct. 11.
Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 1,884,660; Oct. 25.
Gouldbourn, Joseph, F. Ricks, and W. J. Barclay, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,840,020; Jan. 5.
Gouldbourn, Joseph, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Honing device. 1,867,623; July 19.
Gouldis Pumps, Inc. (See Mann, John, assignor.)
Gourley, Glenn T., and E. A. Purnell, assignors to The General Fireproofing Company, Youngstown, Ohio. Desk construction for dictaphone machines. 1,844,572; Feb. 9.
Gourley, Glenn T., and A. J. Ball, assignors to The General Fireproofing Company, Youngstown, Ohio. Chair seat. 1,865,313; June 28.
Gourlie, John. (See Volf, Christian A., jr., assignor.)
Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,848,622; Mar. 8.
Gover, Alfred E., Patchogue, N. Y. Electric scintillating jeweler's advertising device. Re18,314; Jan. 5.
Gover, Miles L., Somerset, Ky. Garment display rack. 1,879,679; Sept. 27.
Government and the people of the United States of America. (See Barghausen, John F., assignor.)
Government and the People of the United States of America. (See Bennett, Charles A., assignor.)
Government and the people of the United States of America. (See Bonney, V. B., and Clifford, assignors.)
Government and the People of the United States of America. (See Funke, Fred W.)
Government and the People of the United States of America. (See Farshall, Ralph L., assignor.)
Government and the People of the United States of America. (See Rogers, Lore A., assignor.)
Government and the People of the United States of America. (See Steadman, Royal C.)
Government and the Public. (See Coe, Mayne R., assignor.)
Government of the United States, The. (See Hidner, Peter, assignor.)
Govers, Francis X., assignor to Indian Refining Company, Lawrenceville, Ill. Evaporating liquids. 1,864,349; June 21.
Govier, Charles W., Brooklyn, and J. W. Reid, Queens Village, N. Y., assignors to Mergenthaler Linotype Company. Printer's collating stand. 1,889,829; Dec. 6.
Gower, Charles Hugh Roberts. London, England, assignor to Aluminum Colors Incorporated, Indianapolis, Ind. Anodic coating of aluminum. 1,869,053; July 26.
Gower, Marie, Los Angeles, Calif. Shampoo apparatus. 1,868,598; July 26.
Gower, William A., Moline, assignor to The Railroad Supply Company, Chicago, Ill. Cushioning means. 1,839,875; Jan. 5.
Gowie, William, assignor to The Harvard Company, Canton, Ohio. Auxiliary foot rest. 1,872,444; Aug. 16.
Goyette, Henry F., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of operating upon shoes. 1,851,006; Mar. 29.
Grabe, Paul J., Lewistown, Pa. Rim lug nut lock. 1,884,992; Oct. 25.
Graber, Isidor, Milwaukee, Wis. Cap. Des. 86,519; Mar. 15.
Graber, John N., Mineral Point, Wis. Hay fork. 1,861,085; May 31.
Grable, Hugh R., Canton, Ohio. Sliding and swinging door. 1,852,608; Apr. 5.
Grable, Hugh R., Canton, Ohio. Elevator door. 1,873,574; Aug. 23.
Grabner, Rudolf, Hohenstein, Ernstthal, Germany. Knit goods. 1,877,850; Sept. 20.
Grabow, Alfred H. (See Zelma, Isaiah Z., assignor.)
Grabow, Edward E. (See Grabow, Dominick, assignor.)
Grabowski, Anton F. and A. L., Chicago, Ill. Apparatus and method for making sausages. 1,871,788; Aug. 16.
Grabowski, Anton L. (See Grabowski, A. F. and A. L.)
Grabowski, Antoni. Prosser, Wash. Cow tail holder. 1,886,029; July 5.
Grace, Benjamin R., assignor of one-third to N. A. Grace and one-third to M. J. Cooney, Troy, N. Y. Damper adjusting attachment for oil burners. 1,846,717; Feb. 23.
Grace, Claude B. (See Grabowski, A. J. and Grace.)
Grace, Estella F., et al. (See Marler, Eva, assignor.)
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Surface condenser. 1,855,231; Apr. 26.
Grace, Nora A., et al. (See Grace, Benjamin R., assignor.)
Grace, Oscar J., et al. (See Marler, Eva, assignor.)
Grace, Richard W., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Handle for electric switch blades. 1,851,269; May 31.
Grace, Robert E., Barberton, Ohio. Jar lifter. 1,880,384; Oct. 4.
Gracey, Frank J., Sylvania, Ohio. Handle for lawn mowers and the like. 1,847,394; Mar. 1.
Gradhe, Eric R. (See von Wangenheim, A., and Gradhe.)
Grady, Charles B., West Orange, N. J., assignor to Metropolitan Engineering Company. Steam producing unit. 1,872,138; Aug. 16.
Grady, J. H., Manufacturing Company. (See Grady, John H., assignor.)
Grady, John H., assignor to J. H. Grady Manufacturing Company, St. Louis, Mo. Ball. 1,861,157; May 31.
Grady, Nellie B., Los Angeles, Calif. Wall bracket. 1,852,514; Apr. 5.
Grady, William J., assignor to Faries Manufacturing Company, Decatur, Ill. Floor lamp. Des. 85,927; Jan. 5.
Grady, William J., assignor to Faries Manufacturing Company, Decatur, Ill. Floor lamp. Des. 85,928; Jan. 5.
Graeber, Jacob F. (See Laechner, F. W., and Graeber.)
Graebner, Otto F., and J. Vehko, Detroit, Mich., assignors to The Murray Corporation of America. Piece kick-up and seat pan. 1,880,385; Oct. 4.
Graef, John M., Neenah, assignor to Valley Iron Works Company, Appleton, Wis. Automatic take-up motion for looms. 1,859,034; May 17.
Graef, John M., Neenah, assignor to Valley Iron Works Company, Appleton, Wis. Positive shuttle drive for looms. 1,872,275; Aug. 16.
Graef, Russell C., Westfield, N. J. Building construction. 1,852,049; Apr. 5.
Graeff, Charles M., Harrisburg, Pa. Mail-bag parachute. 1,890,083; Dec. 6.
Graenz, Alfred, Philadelphia, Pa., assignor to Miller Hosiery Co., Inc., New York, N. Y. Knitted fabric and making the same. 1,856,053; Apr. 26.
Graenz, Alfred, Philadelphia, Pa., assignor to Non-Run Fabric and Machine Co., Inc., New York, N. Y. Method and mechanism for making knitted fabric. 1,862,514; June 7.

Graepel, William, Ridgewood, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,854,134; Apr. 12.

Graepel, William, Ridgewood, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,854,135; Apr. 12.

Graesser, Carl F., assignor to American Bosch Corporation, Springfield, Mass. Radiocabinet. Des. 86,714; Apr. 12.

Graetz, George W. (See Stroud, Francis H., assignor.)

Graf, Albert J., Westfield, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet handling mechanism for printing machines. 1,865,587; July 12.

Graf, Arthur J., Fond du Lac, Wis. Snap gun. 1,890,288; Dec. 6.

Graf, Fred, jr. (See Byerlein, E. J., and Graf.)

Graf, Fritz, Annaberg, Germany, assignor to General Electric Company. Snap switch. 1,891,089; Dec. 13.

Graf, Hubert M., Kansas City, Mo. Aeroplane propelling means. 1,862,789; June 14.

Graf, Wilhelm, Berlin, Germany. Locating the fault in the case of multiconductor cables damaged by short-circuiting. 1,865,687; July 5.

Graf, William A., Paterson, N. J. Shuttle tension. 1,840,504; Jan. 12.

Graff, George, assignor to The Dura Company, Toledo, Ohio. Electric candle. Des. 85,929; Jan. 5.

Graff, George, assignor to The Dura Company, Toledo, Ohio. Electric candle. Des. 85,930; Jan. 5.

Graff, George, assignor to The Dura Company, Toledo, Ohio. Electric candle. Des. 85,931; Jan. 5.

Graff, George B., Company. (See Graff, Leland S., assignor.)

Graff, Leland S., Arlington, assignor to George B. Graff Company, Cambridge, Mass. Patch package. 1,891,624; Dec. 20.

Graffis, Arthur M., Elkhart, Ind. Motor vehicle. Des. 86,619; Jan. 5.

Gragg, Frances E., and L. B. Cohn, assignors to Edmund C. Hames, Los Angeles, Calif. Directional signal. 1,868,802; July 12.

Graham, Andrew, Glendale, Calif. Cultivator. 1,842,667; Jan. 26.

Graham, Arthur K., Sea Girt, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Zinc aluminum anode for electrodeposition of zinc. 1,888,202; Nov. 15.

Graham, B. H. (See Jordan, Walter E. B., assignor.)

Graham, Bert, Ione, Wash. Track wrench. 1,846,099; Feb. 23.

Graham, Charles A., East Cleveland, Ohio. Game board. Des. 86,769; Apr. 19.

Graham, Douglass, Nisscasset, Me. Decorative wall structure. 1,841,947; Jan. 19.

Graham, Duncan E., assignor of one-fourth to Dr. and Mrs. C. J. Burgus, Denver, Colo. Automobile top. 1,888,121; Nov. 15.

Graham, Edwin C., assignor to National Electrical Supply Company, Washington, D. C. Citrous fruit juice extractor. 1,886,092; Nov. 1.

Graham, Frank H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting frame for electrical apparatus. 1,881,803; Oct. 11.

Graham, Frederick M., Hollidaysburg, Pa. Apparatus for heat treating rails. 1,882,417; Oct. 11.

Graham, Frederick M., Hollidaysburg, Pa. Rail joint lubricating device. 1,889,313; Nov. 29.

Graham, Frederick M., Hollidaysburg, and J. B. McWilliams, Pittsburgh, Pa. Rail lubricating device. 1,896,605; Dec. 13.

Graham, George A., Washington, D. C., L. M. Evans, deceased, Alexandria, Va., and W. F. Friedman, Washington, D. C.; Citizens National Bank and M. E. Evans, executors. Cryptograph enciphering and deciphering device. 1,857,374; May 10.

Graham, Guy. (See Bowman, A. M., Graham, and Nixon.)

Graham, Harry C., Coraopolis Heights, Pa. Rail joint. 1,866,159; July 5.

Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lamp. 1,856,073; May 3.

Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lamp. 1,862,572; June 14.

Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lighting unit. 1,867,821; July 19.

Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lamp. 1,882,185; Oct. 11.

Graham, Herman E., Marion, Ind., assignor to Chicago Railway Equipment Company, Chicago, Ill. Annealing pot. 1,863,749; June 21.

Graham, James E., Newton, assignor to Bird & Son, Inc., East Walpole, Mass. Floor tile. 1,876,289; Sept. 6.

Graham, James G., Butte, Mont., assignor to Sullivan Machinery Company. Rock drill feeding device. 1,861,853; June 7.

Graham, James M., and C. Norton, New York, N. Y., assignors, by mesne assignments, to Otis Elevator Company. Position indicator for elevators. 1,879,801; Sept. 27.

Graham, John E., Purney, London, England. Game apparatus. 1,851,900; Mar. 29.

Graham, John H., New York, N. Y. Shock absorbing spring shackle. 1,883,709; Oct. 18.

Graham, John R., Linwood, Iowa. Mail box. 1,877,473; Sept. 13.

Graham, John T., assignor of one-half to J. F. Kowk, Creighton, Pa. Caster. 1,881,402; Oct. 4.

Graham, Lee V., et al. (See Foss, Leland L., assignor.)

Graham, Leon L., and O. S. Flood, Chicago, Ill., assignors to Bendix-Cowdrey Brake Tester, Inc., South Bend, Ind. Testing automobile brakes. 1,890,219; Dec. 6.

Graham, Matthew P. (See Hufferd, G. H., and Graham.)

Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Tie rod end. 1,866,038; July 5.

Graham, Matthew P., assignor to Thompson Products, Inc., Detroit, Mich. Self-adjusting ball joint. 1,883,782; Oct. 18.

Graham, Matthew P., and G. H. Hufferd, Detroit, Mich., assignors to Thompson Products, Inc. Vibration damper. 1,881,504; Oct. 11.

Graham, Michael J., Chicago, Ill., assignor to International Harvester Company. Gauge structure. 1,878,493; Sept. 20.

Graham, Oakley J. (See Graham, O. T. and O. J.)

Graham, Otis T. and O. J., Richmond, Va. Apparatus for transporting cementitious materials. 1,841,436; Jan. 19.

Graham-Paige Motors Corporation. (See Kishline, Floyd F., assignor.)

Graham-Paige Motors Corporation. (See Sanger, Harry G., assignor.)

Graham, Ralph A., Kansas City, Mo. Bottle cap. 1,862,626; June 14.

Graham, Robert F., London, England. Apparatus for pasteurizing beer or other liquids. 1,859,389; May 24.

Graham, Robert M., assignor to The General Tire & Rubber Company, Akron, Ohio. Bead placing ring. 1,871,604; Aug. 16.

Graham, Robert N., South Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Chlorine meter. 1,864,815; June 28.

Graham, Thomas, & Company. (See Ross, Taylor W., assignor.)

Graham, Thomas L., Kansas City, Mo. Vending machine casing. Des. 86,309; Feb. 23.

Graham, Thornton G., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 86,912; May 10.

Graham, Virgil M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radio receiving system. 1,851,387; Mar. 29.

Graham, Virgil M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Variable capacitor test. 1,873,704; Aug. 23.

Graham, Virgil M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Combined mechanical and electrical radio station selector. 1,873,879; Aug. 23.

Graham, Volney V., Nevada, Ohio. Storage brooder. 1,883,710; Oct. 18.

Graham-White Sander Corporation. (See Frantz, Virgil L., assignor.)

Graham-White Sander Corporation. (See Frantz, V. L., and Knauff, assignors.)

Graham-White Sander Corporation. (See Ransom, William L., assignor.)

Graham, William A., jr. (See Ravenna, Joseph, assignor.)

Graham, William S., Berkeley, Calif. File holder. 1,884,661; Oct. 25.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor plow. 1,842,779; Jan. 26.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor implement attachment. 1,854,834; Apr. 19.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Wide type rotary harrow. 1,864,301; June 21.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Tillage disk. 1,879,193; Sept. 27.

Graham, William T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for and method of forming tubular blanks. 1,872,276; Aug. 16.

Grahame, James H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Method of and apparatus for distillation of hydrocarbon oils. 1,870,193; Aug. 2.

Grainger, Reid B., Redondo Beach, Calif., assignor to Elliott Core Drilling Company. Core drill. 1,861,007; May 31.

Grain Machinery Company, The. (See Haines, George H., assignor.)

Graf Prisma Gesellschaft m. b. H. (See Kral, Ludwig, assignor.)

Gralenski, Michael, Amherst, Mass. Resilient wheel for vehicles. 1,869,100; July 26.

Grainick Bros. Inc. (See Lish, Nathan, assignor.)

Gram, Thomas. (See Testrup, N., Soderlund, and Gram.)

Grame, Benjamin F., Naperville, Ill. Hat hanger. 1,861,341; May 31.

Grammas, Gust F., Pittsburgh, Pa. Toilet seat cover. 1,846,960; Feb. 23.

Grammes, L. F., & Sons. (See Weindel, Fred, jr., assignor.)

Grammes, L. F., & Sons, Inc. (See Price, Wilbur F., assignor.)

Gramsa, Joseph G., assignor of one-half to E. B. Chapman, Buffalo, N. Y. Motion picture film cleaner. 1,857,633; May 10.

Gramsa, Joseph G., assignor of one-half to S. Nieman, Buffalo, N. Y. Controlling device for motion picture projectors. 1,878,494; Sept. 20.

Gran, John R., Hialeah, Fla. Outdoor refrigerator. 1,851,901; Mar. 29.

Granat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Equilibrated turret for machine guns on board aeroplanes. 1,856,282; May 24.

Granat, Elie, Paris, France, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Variable speed transmitter for distant control devices. 1,883,711; Oct. 18.

Granat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Relay for distant control. 1,883,783; Oct. 18.

Granat, Joseph, San Francisco, Calif. Finger ring. Des. 87,258; June 28.

Granat, Joseph, San Francisco, Calif. Finger ring. Des. 87,259; June 28.

Granat, Joseph, San Francisco, Calif. Ring shank. Des. 87,916; Oct. 11.

Granberg, Bengt. (See Nelson, John, assignor.)

Granberg Meter Corporation. (See Brubaker, Walter S., assignor.)

Granberg Meter Corporation. (See Curtis, William H., assignor.)

Grandahl, Olof J., Hartford, Conn. Valve fixture. Des. 86,452; Mar. 8.

Grandinetti, Domnick A., Syracuse, N. Y. Fruit and vegetable juice expresser. 1,842,982; Jan. 26.

Grandjean, Georges, assignor to Isothermos Corporation, New York, N. Y. Combination truck frame and journal box construction. 1,843,669; Feb. 2.

Grandjean, Georges, Les Forgets, Isle Adam, France, assignor to Isothermos Corporation of America, New York, N. Y. Guard for automatic lubricating journal boxes. 1,867,260; July 12.

Grandjean, Marc, Paris, France. Device for adjusting the type bars relatively to the universal bars in stenographic machines. 1,847,074; Mar. 1.

Grandmason, Edward. (See Creveling, S. B., and Grandmason.)

Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)

Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)

Grand Rapids Hardware Co. (See Seelbach, John F., assignor.)

Grand Rapids Loose Leaf Binder Company. (See Johnson, C. E., and Edwards, assignors.)

Grand Rapids Store Equipment Corporation. (See Vanderveld, Anthony, assignor.)

Grand Specialties Company. (See Sasgen, Michael J., assignor.)

Grand, Jessie P., et al. (See Read, David Y., assignor.)

Graner, Hans. (See Ossanna, J., Graner, and Hoffmann.)

Graner, Harry G., Burlington, Iowa. Pliers. 1,867,505; July 12.

Grangard, Samuel. (See Iverson, Peter, assignor.)

Grange, Leo O., assignor to W. J. Jarratt, Chicago, Ill. Bead plate. 1,849,229; Mar. 15.

Grange, Leo O., assignor to W. J. Jarratt, Chicago, Ill. Vulcanizing apparatus. 1,879,194; Sept. 27.

Granger, Frederick S., Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Phosphoric esters of tar acids and producing the same. 1,869,312; July 26.

Granger, Gordon C. (See Turk, A. B., and Granger.)

Granger, Paul H., Los Angeles, Calif. Drill pipe and propeller shaft. 1,839,844; Jan. 5.

Granger, Paul H., Los Angeles, Calif. Draining liquid from well tubing. 1,840,944; Jan. 12.

Granger, Wallace H., San Francisco, Calif. Inking system for printing presses. 1,849,143; Mar. 15.

Granier, Léon F., Aix, France. Variable speed gearing. 1,892,270; Dec. 27.

Grans, Wilhelm, Sydowwiese, Germany. Tool support for cultivators. 1,862,304; June 7.

Granstedt, Johan A., Sjalevad, assignor of one-half to G. P. O. Fogelqvist, Sundsvall, Sweden. Centrifugal clutch. 1,882,418; Oct. 11.

Granstrom, Isidor S., Chicago, Ill. Music table. 1,853,728; Apr. 12.

Grant, Albert E., assignor to Grant Oil Burner Corporation of Delaware, New York, N. Y. Thermal switch for oil burner control. 1,849,713; Mar. 15.

Grant, Casper E., Portsmouth, Va. Keyboard construction. 1,840,712; Jan. 12.

Grant, Casper E., Portsmouth, Va. Reservoir for organs. 1,846,861; Feb. 23.

Grant, Casper E., Portsmouth, Va. Organ coupler. 1,875,234; Aug. 30.

Grant, Casper E., Portsmouth, Va. Action for pipe organs. 1,891,409; Dec. 20.

Grant, Dudley H., Moorestown, N. J., assignor to Standard Oil Development Company. Insecticide. 1,877,851; Sept. 20.

Grant, Floyd N., assignor to American Concrete and Steel Pipe Company, South Gate, Calif. Lifting hook. 1,862,081; June 7.

Grant, Francis B., and H. Harper, Norton-on-Tees, assignors to Imperial Chemical Industries Limited, London, England. Feeding finely divided solid material into high pressure vessels. 1,875,921; Sept. 6.

Grant, Frank L., Chicago, Ill. Milk bottle locking device. 1,856,097; May 3.

Grant, Garnet P., assignor to Auto-Sales Corporation, Long Island City, N. Y. Rockable delivery device for vending machines. 1,883,712; Oct. 18.

Grant, Gerald M. M., Los Angeles, Calif. Piston ring. 1,868,744; July 26.

Grant, Helen A., Prescott, Ariz. Pastry perforator. 1,865,368; June 28.

Grant, Herbert A., Newark, N. J., assignor to Miller Tompkins & Company, New York, N. Y. Paper bag. 1,860,244; May 24.

Grant, Ira O., assignor of one-half to W. R. Seese, Canton, Ohio. Spring spreading tool. 1,881,050; Oct. 4.

Grant, John. (See Bunker, Frank S., assignor.)

Grant, John. (See Campbell, Stewart L., assignor.)

Grant, John. (See Crum, Roland R., assignor.)

Grant, John. (See Farmer, Francis C., assignor.)

Grant, John. (See Hazlett, Walter H., assignor.)

Grant, John. (See Packer, Willard K., assignor.)

Grant, John. (See Raymond, Edward F., assignor.)

Grant, John. (See Santiago, James J., assignor.)

Grant, John. (See Triplett, James B., assignor.)

Grant, John, Los Angeles, Calif. Cutter mounting for reamers. 1,839,787; Jan. 5.

Grant, John, Los Angeles, Calif. Expanding well reamer. 1,844,354; Feb. 9.

Grant, John, Los Angeles, Calif. Swinging cutter reamer. 1,844,355; Feb. 9.

Grant, John, Los Angeles, Calif. Reamer. 1,844,356; Feb. 9.

Grant, John, Los Angeles, Calif. Rotary underreamer and cutter element therefor. 1,844,357; Feb. 9.

Grant, John, assignor to Byron Jackson Co., Los Angeles, Calif. Well elevator. 1,871,845; Aug. 16.

Grant, John, and J. J. Santiago, Los Angeles, Calif.; said Santiago assignor to said Grant. Underreamer. 1,844,358; Feb. 9.

Grant, Jordan W., Portsmouth, Va. Nozzle. 1,852,926; Apr. 5.

Grant, Jordan W., Portsmouth, Va. Nozzle and hose holder. 1,862,053; June 7.

Grant, Jordan W., Portsmouth, Va. Nozzle. 1,862,957; June 14.

Grant, Karl W., assignor to The Republic Steel Corporation, Youngstown, Ohio. Mold wash. 1,885,094; Oct. 25.

Grant, Lee W., administrator. (See Bredel, Frederick.)

Grant, Margaret, Akron, Ohio. Container and sealing jelly or preserves. 1,846,052; Feb. 23.

Grant, Matthew, Los Angeles, Calif. Fruit and vegetable press. Des. 87,340; July 12.

Grant, Milton B. (See Sherwan, A. C., Grant, and Hedderick.)

Grant Oil Burner Corporation of Delaware. (See Grant, Albert E., assignor.)

Grant, Robert C., Breckenridge, assignor of one-half to T. H. P. Duncan, Fort Worth, Tex. Deep well pump. 1,887,886; Nov. 15.

Grant, Royal E., Yonkers, N. Y., assignor to Radio Corporation of America. Film sound recording. 1,886,540; Nov. 8.

Grant, Rudolph R., Dayton, Ohio. Piston. 1,865,248; June 28.

Grant, Walter B., executor. (See Currier, Richard D.)

Grant, William D., Vancouver, British Columbia, Canada. Subaquatic rock drilling device. 1,832,408; Apr. 5.

Grant, William D., Vancouver, British Columbia, Canada. Drilling equipment. 1,870,735; Aug. 9.

Grant, William F., Newport News, Va., assignor to Newport News Shipbuilding and Dry Dock Company. Valve seat. 1,858,587; May 17.

Granular Iron Company. (See Hornsey, John W., assignor.)

Granville, Bernard, New York, N. Y., assignor to Granville Holding Corporation. Apparatus for drilling. 1,865,853; July 5.

Granville, Bernard, New York, N. Y., assignor to Granville Holding Corporation. Underreaming apparatus. 1,868,702; July 26.

Granville Holding Corporation. (See Granville, Bernard, assignor.)

Grapp, Albert E., Minneapolis, Minn. Oven-circulating air type. 1,868,824; July 26.

Grasby, Robert C., Westminster, London, England. Electric switch. 1,866,406; July 5.

Graser, Frank X., Lindenhurst, N. Y. Powder transmission device. 1,840,161; Jan. 5.

Graser, George W., San Juan, Puerto Rico, assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Cane car. 1,878,451; Sept. 20.

Grass, William, Roslyn Heights, N. Y. Light reflecting type. 1,884,662; Oct. 25.

Grasselli Chemical Company. (See Alvord, Earl B., assignor.)
Grasselli Chemical Company, The. (See Drefahl, Louis C., assignor.)
Grasselli Chemical Company, The. (See Frost, Frank L., jr.)
Grasselli Chemical Company, The. (See Lawrence, Ralph E., assignor.)
Grasselli Chemical Company, The. (See Lutz, George, assignor.)
Grasselli Chemical Company, The. (See Schulze, John F. W., assignor.)
Grasselli Chemical Company, The. (See Seguine, William, jr., assignor.)
Grasselli Chemical Company, The. (See Seguine, W., jr., and Mertes, assignors.)
Grasselli Chemical Company, The. (See Taylor, Edward A., assignor.)
Grasselli Chemical Company, The. (See Weinberg, Walter H., assignor.)
Grasselli Chemical Company, The. (See Wood, Charles D., sr., assignor.)
Grasser, Harry. (See Ambrosio, Frank, assignor.)
Grater, Sylvester. (See Gottschalk, J. W., and Grater.)
Grathwol, Frank J. and J. E., Sandusky, Ohio. Beater engine. 1,873,839; Aug. 23.
Grathwol, John E. (See Grathwol, Frank J. and J. E.)
Graton & Knight Company. (See Griffith, Winfred S., assignor.)
Graton & Knight Company. (See Snow, Alexander I., assignor.)
Grau, Ernst, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Regulating system. 1,873,641; Aug. 23.
Grau, Herbert E., Los Angeles, and A. J. Colmerauer, Redondo Beach, Calif. Oil tool device. 1,858,926; May 17.
Grau, William S., Inglewood, and J. O. Bishop, Torrance, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Soft core for hard materials and method of applying same. 1,849,186; Mar. 15.
Graubner, Herman G. (See Jones, H. W., and Graubner.)
Grauert, Erich, Halberstadt, Germany. Exchangeable heel. 1,885,341; Nov. 1.
Graut, Henry F., Brooklyn, N. Y. Garment hanger. 1,840,088; Jan. 12.
Grauman, William C., assignor, by mesne assignments, to Timken Silent Automatic Company, Detroit, Mich. Shaft bearing. 1,856,395; Nov. 8.
Grauman, Arthur H. (See Grauman, Frank A. and A. H.)
Grauman, Frank A. and A. H., Seattle, Wash. Sediment collector. 1,859,362; May 24.
Grauman, Leon, Denver, Colo. Beverage mixer support. 1,858,798; Nov. 22.
Graupner, Fritz, Hanover, Germany. Fluid gear. 1,860,576; May 31.
Grauss, Ernestos, Paris, France. Centrifugal autoclave permitting the recovery of volatile products. 1,844,008; Feb. 9.
Gravatt, Charles M., Asheville, N. C. Game apparatus. Des. 88,776; Dec. 27.
Gravatt, Charles M., Asheville, N. C. Game apparatus. 1,885,036; Oct. 25.
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Material for selectively controlling metal pickling in acid baths. 1,852,648; Apr. 5.
Gravely, Benjamin F., Dunbar, W. Va. Cutter guard. 1,876,220; Sept. 6.
Gravely, Benjamin F., Dunbar, W. Va. Mowing machine. 1,876,662; Sept. 13.
Gravely, Benjamin F., Dunbar, W. Va. Tractor. 1,881,505; Oct. 11.
Gravely, Benjamin F., Dunbar, W. Va. Lawn-mower device. 1,889,830; Dec. 6.
Gravenstein, Hans J. (See Moor, E., Bechstein, and Gravenstein.)
Gravenstine, George E. (See Hummert, R. H., and Gravenstine.)
Graver Corporation. (See Adams, James L., jr., assignor.)
Graves, Arthur L. (See Clark, A. C., and Graves.)
Graves, Edwin B. (See Reuss, Maximillian J., assignor.)
Graves, Francis G., Alameda, assignor to Standard Oil Company of California, San Francisco, Calif. Treating petroleum oils. 1,867,697; July 19.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester conversion. 1,860,092; May 24.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of esters from alcohols and the salts of organic acids. 1,869,193; July 26.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester interchange with organic acids. 1,882,808; Oct. 18.
Graves, George D., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Recovery of wax from oils. 1,871,172; Aug. 9.
Graves, George W., Detroit, Mich., assignor to American Olympic Association, New York, N. Y. Emblem or similar article. Des. 87,917; Oct. 11.
Graves, Jacob H., Lexington, Ky. Stock treating appliance. 1,885,342; Nov. 1.
Graves, John, assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Mold. 1,863,304; June 14.
Graves, John R., Yonkers, N. Y. Throttle lever. 1,843,153; Feb. 2.
Graves, Lewis. (See Thompson, R. H., and Graves.)
Graves, Louis E., and W. J. Edelmann, Los Angeles, Calif. Cable tap. 1,876,663; Sept. 13.
Graves, Luther M. (See Mjaaland, G. W., and Graves.)
Graves, Rose M., assignor, by mesne assignments, to Associated Apparel Industries, Inc., Chicago, Ill. Foundation garment. 1,857,147; May 10.
Graves, Rose M., assignor to Associated Apparel Industries, Inc., Chicago, Ill. Foundation garment. 1,857,148; May 10.
Graves, Roy R., Kensington, Md. Manufacture of highly digestible feed. 1,863,109; June 14.
Graves, Samuel A., and N. Muslar, Worcester, Mass. Impelling device for games. 1,887,263; Nov. 8.
Graves, William H., Culver City, Calif. Sandal. Des. 88,777; Dec. 27.
Gray, Andrew T., assignor to Pacific Pipe and Supply Company, Los Angeles, Calif. Heater for liquids. 1,891,534; Dec. 20.
Gray, Calvin B., Wilmington, Del. Reminder calendar. 1,875,220; Apr. 5.
Gray, Carl C., Minneapolis, Minn. Grain cleaning machine. 1,840,505; Jan. 12.
Gray, Carl W., Lankershim, M. J. Burdick, Alhambra, M. S. Moore, Los Angeles, and C. W. Lankershim, Lankershim, Calif. Laboratory chemistry table. 1,852,299; Apr. 5.
Gray, Charles B., Millbourne, Pa. Metal cutting machine. 1,849,829; Mar. 15.
Gray, Charles B., Millbourne, Pa. Cutting machine. 1,858,354; Apr. 19.
Gray, Charles B., Millbourne, Pa. Metal cutting tool. 1,874,036; Aug. 30.
Gray, Charles B., Millbourne, Pa. Violin bow. 1,874,037; Aug. 30.
Gray, Charles B., Millbourne, Pa. Cutting machine. 1,874,038; Aug. 30.
Gray, Charles B., Millbourne, Pa. Tool holder. 1,883,713; Oct. 18.
Gray, Chester E. (See Douthitt, Frank H., assignor.)
Gray, Chester E., assignor of one-half to G. D. Turnbow, Oakland, Calif. Frozen food product and making same. 1,878,127; Sept. 20.
Gray, Daniel, assignor to Oneida Community, Limited, Oneida, N. Y. Electrodepositing indium. 1,849,293; Mar. 15.
Gray, Daniel, R. O. Bailey, Oneida, and W. S. Murray, Utica, assignors to Oneida Community, Limited, Oneida, N. Y. Metal alloys and producing the same. 1,847,941; Mar. 1.
Gray, Daniel, Oneida, and B. K. Northrop, Hamilton, assignors to Oneida Community, Limited, Oneida, N. Y. Electroplated chromium article. 1,892,051; Dec. 27.
Gray, Daniel M., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Packing and preserving nuts in glass containers. 1,883,366; Oct. 18.
Gray, Daniel M., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method of stabilizing the consistency of mayonnaise. 1,883,367; Oct. 18.
Gray & Danielson Manufacturing Company. (See Danielson, Ernest G., assignor.)
Gray, David A., Chattanooga, Tenn. Rotary engine. 1,880,131; Sept. 27.
Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Gauging and sorting machine. 1,846,327; Feb. 23.
Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Glass working machine. 1,892,463; Dec. 27.
Gray, David E., and D. W. Strait, assignors to Corning Glass Works, Corning, N. Y. Mold attaching device for glass working machines. 1,869,249; July 26.
Gray, Edwin T. (See Durrette, Louis C., assignor.)
Gray, Ellsworth, and R. A. Mueller, assignors to Gray Tool Company, Houston, Tex. Safety valve for well casings. 1,872,193; Aug. 16.
Gray, Elmer E., Saugus, Mass. Belt. 1,859,204; May 17.
Gray, Elmer J., and E. J. Hoyos, Boston, Mass., assignors to H. T. Romine, Mount Clemens, Mich. Industrial truck. 1,876,410; Sept. 6.
Gray, Emmet P., Detroit, Mich. Muffler. 1,860,146; May 24.
Gray, Emmet P., Detroit, Mich. Muffler. 1,860,892; May 31.
Gray, Emmet P., Detroit, Mich. Muffler supporting device. 1,882,555; Oct. 11.
Gray, Everett J., Oakland, Calif. Knockdown crib. 1,845,791; Feb. 16.
Gray, Frank. (See Ives, H. E., and Gray.)
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 1,848,400; Mar. 29.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge lamp. 1,865,510; July 5.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. 1,869,194; July 26.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission. 1,871,266; Aug. 9.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,873,387 ; Aug. 23.

Gray, Fred D., Herkimer, N. Y., assignor, by mesne assignments, to Holed-Tite Packing Corporation. Carton for fragile articles. 1,850,584 ; Mar. 22.

Gray, Fred D., Herkimer, N. Y., assignor to The Holed-Tite Packing Corporation. Packing material. 1,892,527 ; Dec. 27.

Gray, Fred G., Clintwood, Va. Portable desk. 1,883,714 ; Oct. 18.

Gray, George, and C. Kingston, Jacksonville, Fla.; said Kingston assignor to said Gray. Coupling for cars and trains. 1,876,915 ; Sept. 13.

Gray, George W. (See Dearborn, R. J., and Gray.)

Gray, George W., New York, N. Y. Process and apparatus for topping and cracking oils. 1,854,836 ; Apr. 19.

Gray, George W., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,854,835 ; Apr. 19.

Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company. Composition of matter and producing same. 1,850,716 ; Mar. 22.

Gray, Harry, Houston, Tex. Traveling valve mechanism. 1,841,803 ; Jan. 19.

Gray, Harry L. (See Staud, C. J., and Gray.)

Gray, Harry L. (See Webber, C. S., Staud, and Gray.)

Gray, Harry L., C. J. Staud, Rochester, N. Y., and C. S. Webber, Springfield, Mass., assignors to Eastman Kodak Company, Rochester, N. Y. Hydrolysis of cellulose acetate. 1,857,190 ; May 10.

Gray, Harry Le B., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Making cellulose acetate. 1,866,971 ; July 12.

Gray, Hiram L., Larchmont, N. Y. Detergent. 1,881,506 ; Oct. 11.

Gray, Ishmael H., Indianapolis, Ind. Price tag. Des. 88,708 ; Dec. 20.

Gray, James A., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Vacuum closing machine. 1,841,590 ; Jan. 19.

Gray, James A., and C. Strickler, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Bail ear soldering machine. 1,843,219 ; Feb. 2.

Gray, John Edmund, Alberta, Canada. Tool for removing automobile tires from their rims. 1,847,430 ; Mar. 1.

Gray, Joseph, Brooklyn, N. Y. Baker's bench. 1,880,386 ; Oct. 4.

Gray, Joseph M., assignor of thirty per cent to J. McOsker, thirty per cent to W. F. Richards, and thirty per cent to W. C. Ball, Brownstown, Ind. Full automatic back-stop. 1,839,308 ; Jan. 5.

Gray, Leonard G., Decatur, Ill. Tile counter. Des. 86,093 ; May 7.

Gray, Leonard G., Decatur, Ill. Bottle opener. 1,854,299 ; Apr. 19.

Gray, Lloyd A. (See Baker, Lewis T., assignor.)

Gray, M. Louis. (See Koch, Theodor, sr., assignor.)

Gray, Mabel W., Birmingham, Ala. Window screen cleaning device. 1,861,179 ; May 31.

Gray Marine Motors Co. (See Fernstrum, Frank O., assignor.)

Gray, Percy, Jefferson, Iowa. Heating element structure and making the same. 1,890,780 ; Dec. 13.

Gray, Peter, & Sons Inc. (See Geddes, Charles I., assignor.)

Gray, Peter, & Sons, Inc. (See Kelsea, C. H., and Geddes assignors.)

Gray, Presley, Birmingham, Ala., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit control system. 1,863,027 ; June 21.

Gray Processes Corporation. (See Brooks, B. T., and Gray, assignors.)

Gray Processes Corporation. (See Dickinson, Edwin A., assignor.)

Gray Processes Corporation. (See Gray, Thomas T., assignor.)

Gray Processes Corporation, The. (See Herthel, E. C., and Pelzer, assignors.)

Gray Processes Corporation, The. (See Mandelbaum, Malvin R., assignor.)

Gray Processes Corporation, The. (See Pease, Harry, assignor.)

Gray, Robert L., Jersey City, N. J. Valve operating mechanism. 1,850,544 ; Mar. 22.

Gray, Russell J., Minneapolis, Minn. Lubricator coupling. 1,842,449 ; Jan. 26.

Gray, Russell J., Minneapolis, Minn. Coupler. 1,866,929 ; July 12.

Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)

Gray, Thomas, assignor of one-half to J. Gutsmithl and G. H. Hoerman, Lyndon, Kans. Cutter bar. 1,879,195 ; Sept. 27.

Gray, Thomas T. (See Brooks, B. T., and Gray.)

Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Decolorization of lubricating oils. 1,839,388 ; Jan. 5.

Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Production of cracked hydrocarbons. 1,846,803 ; Feb. 23.

Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,853,972 ; Apr. 12.

Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Treatment of hydrocarbons. 1,862,507 ; June 7.

Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,869,467 ; July 5.

Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Treating cracked hydrocarbons. 1,878,580 ; Sept. 20.

Gray, Thomas W., J. Lewis, and C. B. LeBon, sr., Library, Fla. Dusting machine. 1,862,396 ; June 7.

Gray, Tom F. (See Bolton, E. A., and Gray.)

Gray, Tom F., and E. A. Bolton, assignors to Victory Valves Limited, Adswood, Stockport, England. Making valves. 1,858,927 ; May 17.

Gray, Tom F., and E. A. Bolton, assignors to Victory Valves Limited, Adswood, Stockport, England. Steam, hydraulic and like valve. 1,868,059 ; July 19.

Gray Tool Company. (See Gray, E., and Mueller, assignors.)

Gray, Wallace M., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Track lubricating apparatus. 1,847,971 ; Mar. 1.

Gray, Walter G., Medford, Mass. Casing for outside steam pipes. 1,862,515 ; June 7.

Gray, Wellsley D., Lorain, Ohio. Ice cream dipper. 1,843,873 ; Feb. 2.

Gray, William, Rochester, N. Y. Tool and die. 1,848,947 ; Mar. 8.

Gray, William H., Rochester, N. Y. Receptacle. 1,842,603 ; Jan. 26.

Gray, William S., et al., trustees. (See Jackson, Maunsell B., assignor.)

Graybar Electric Company, Inc. (See Reddig, Charles E., assignor.)

Graybill, Kenneth W., Villa Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Relay circuit. 1,887,302 ; Nov. 8.

Grayson Heat Control, Inc. (See Grayson, John H., assignor.)

Grayson Heat Control, Inc. (See Kennedy, Martin M., assignor.)

Grayson Heat Control, Inc. (See Vaughn, Sidney P., assignor.)

Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Thermostat. 1,851,277 ; Mar. 29.

Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Oven regulator. 1,862,183 ; June 7.

Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Safety pilot gas cock. 1,874,501 ; Aug. 30.

Grayson, Ralph V., Atlanta, Ga. Refrigerant generator and circulator. 1,869,883 ; Aug. 2.

Great Lakes Aircraft Corporation. (See Chapman, Mearl J., assignor.)

Great Lakes Dredge & Dock Company. (See Colton, Charles H.)

Great Northern Paper Company. (See Norman, Harry T., assignor.)

Great Western Electro-Chemical Co. (See Hirschkind, Wilhelm, assignor.)

Great Western Electro-Chemical Company. (See Rosenstein, Ludwig, assignor.)

Great Western Fuse Company. (See La Mar, Frank C., assignor.)

Greaves, Valentine F., assignor to United Reproducers Patents Corporation, St. Charles, Ill. Sectional electrostatic sound producer. 1,844,219 ; Feb. 9.

Grebb, John J. (See Grebe, C. W., and Grebe.)

Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Composition of matter. 1,882,809 ; Oct. 18.

Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Mercury vaporizing apparatus. 1,887,907 ; Nov. 15.

Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Heat-energy system. 1,889,586 ; Nov. 29.

Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Recovering bromine from sea water and the like. 1,891,888 ; Dec. 20.

Grebe, John J., and R. H. Boundy, assignors to The Dow Chemical Company, Midland, Mich. Method of electrolysis of fused bath and apparatus therefor. 1,839,756 ; Jan. 5.

Grebe, John J., and N. Poffenberger, assignors to The Dow Chemical Company, Midland, Mich. Improved method of shooting wells. 1,856,912 ; May 3.

Grebe, John J., and R. T. Sanford, assignors to The Dow Chemical Company, Midland, Mich. Treatment of deep wells. 1,877,504 ; Sept. 13.

Grebe, John J., and R. H. Boundy, assignors to The Dow Chemical Company, Midland, Mich. Continuous process for recovering bromine from sea water and the like. 1,885,255 ; Nov. 1.

Grebenstein, George W., Newtonville, Mass. Tire tool. 1,867,404 ; July 12.

Grebenstein, George W., Newtonville, Mass. Wheel puller of the combination impact and compressor type. 1,868,060 ; July 19.

Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Grain blower. 1,850,545; Mar. 22.

Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Heater for truck tanks. 1,850,546; Mar. 22.

Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Dump body. 1,859,606; May 24.

Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Grain cleaner and loader. 1,851,507; Oct. 11.

Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Pipe coupling. 1,881,508; Oct. 11.

Greear, Everett B., assignor of one-half to C. B. Stallard, Sharondale, Ky. Boat drain valve. 1,866,643; July 12.

Green, Albert E., Medina, Wash. Combustion-arc process. 1,847,527; Mar. 1.

Green, Allan, Sutton, near Keighley, England. Apparatus for cuttering threads. 1,874,502; Aug. 30.

Green, Allan, Sutton, near Keighley, England. Apparatus for use in the production of threads of hair and like fibers. 1,876,664; Sept. 13.

Green, Amos J., Mount Horeb, Wis. Binder. 1,865,098; June 28.

Green, Benjamin, et al. (See Gordon, William S., assignor.)

Green, Cecil H., Brookline, assignor to Raytheon Inc., Cambridge, Mass. Voltage smoothing and regulating system. 1,886,180; Nov. 1.

Green, Charles F. (See Rhea, T. R., Tear, and Green.)

Green, Charles R., Indianapolis, Ind. Apparatus for drying a styrine matrix. 1,849,914; Feb. 16.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,842,436; Jan. 26.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Printing mechanism. 1,849,921; Mar. 15.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,855,958; Apr. 26.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,870,004; Aug. 2.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,871,846; Aug. 16.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Store counter fixture. 1,873,705; Aug. 23.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,759; Aug. 23.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,760; Aug. 23.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,285; Aug. 30.

Green, Charles W., Ilion, N. Y., assignor, by mesne assignments to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,739; Aug. 30.

Green, Clifford H. (See Kenyon, B. C., Boa, and Green.)

Green, Daniel, Company, Inc. (See Dixon, John E., assignor.)

Green, Earl F., York, Pa. Hitch. 1,888,122; Nov. 15.

Green, Edward A., assignor to Humber Limited, Coventry, England. Window. 1,860,245; May 24.

Green, Edward W., London, and G. R. Unthank, New Southcate, London, assignors to R. & H. Green and Silley Weir Limited, London, England. Pulverizing mill and like plant. 1,845,871; Feb. 16.

Green, Edward W., G. R. Unthank, and D. Dunn, assignors to The Buell Combustion Company Limited, London, England. Combustion of pulverized fuel. 1,887,015; Nov. 8.

Green, Ellis, Tulsa, Okla., assignor to Finished Steel Products Co., Pine Bluff, Ark. Safety tubing hook. 1,845,707; Feb. 16.

Green, Elmer G. (See Peterson, John H., assignor.)

Green, Ernest, Hendon, London, England, assignor to Radio Corporation of America. Aerial system and feeding system therefor. 1,874,966; Aug. 30.

Green, Ernest, London, England, assignor to Radio Corporation of America. Radio frequency circuit arrangement. 1,878,309; Sept. 20.

Green, Estill I. (See Affel, H. A., and Green.)

Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Arrangement for connecting or terminating coaxial conductors. 1,841,473; Jan. 19.

Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Triple concentric conductor system. 1,854,255; Apr. 19.

Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Coaxial construction for power line carrier systems. 1,855,288; Apr. 26.

Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Concentric conductor system. 1,859,390; May 24.

Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Concentric conductor transmission system. 1,885,195; Nov. 1.

Green, Frank B., New York, N. Y. Floor covering. 1,850,928; Mar. 22.

Green, Frederick H., Cheltenham, England. Safety razor. 1,871,789; Aug. 16.

Green, Frederick L., Irvington-on-Hudson, N. Y. Building structure. 1,889,547; Nov. 29.

Green, George H., Leicester, England. Support for sliding members in knitting machines. 1,869,416; Aug. 2.

Green, Gilbert, G. Green, and T. Green, all of Nault, Long Beach, Calif. Clamp support for globes. 1,871,847; Aug. 16.

Green, Gordon C., Hingham, Mass. Safety razor blade stropper. 1,874,740; Aug. 30.

Green, Harold V., Wilmette, Ill., assignor to General Electric Company, adjustable speed induction motor. 1,866,349; July 5.

Green, Irving A., assignor to The Washburn Company, Worcester, Mass. Reenforced wire fabric and making the same. 1,866,850; July 12.

Green, J. Birchard, assignor to F. M. Warden, Chicago, Ill. Coated filler and producing same. 1,839,961; Jan. 5

Green, James B. (See Benbow, J. D., and Green.)

Green, John P., Philadelphia, Pa. Refrigeration system. 1,887,772; Sept. 20.

Green, Joseph W., et al. (See Emmons, Nelson, 3d.)

Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Coffee urn or the like. Des. 88,330; Nov. 22.

Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Automobile radiator shell with louver type grille. Des. 88,778; Dec. 27.

Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Attaching grilles or the like to automobile radiator cores. 1,841,888; Jan. 19.

Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Driving mechanism. 1,844,503; Feb. 9.

Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Lubricating system for washing machines. 1,844,504; Feb. 9.

Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Co., Cleveland, Ohio. Ornamenting ring for spoked wheels. 1,878,441; Sept. 20.

Green, Leslie, Pueblo, Colo. Baking pan. 1,852,966; Apr. 5.

Green, Matthew, and E. M. Jones, assignors to Parker Rust-Proof Company, Detroit, Mich. Rust proofing composition and making the same. 1,842,085; Jan. 19.

Green, Max D., Sanger, assignor to H. Paxton, Redlands, Calif. Box lidder. Des. 88,022.

Green, McRee, St. Louis, Mo. Weatherstrip structure. 1,862,534; June 14.

Green, Newton B., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture projector. 1,846,004; Feb. 16.

Green, R. & H., and Silley Weir Limited. (See Green, E. W., and Unthank, assignors.)

Green, Raymond. (See Fenson, H. T., and Green.)

Green, Richard L., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope and making the same. 1,855,821; Nov. 1.

Green, Robert M., & Sons. (See Zinser, Hermann, assignor.)

Green, Russell J., Enid, Okla. Hydrator. 1,887,125; Nov. 8.

Green, Say M. (See Greenberg, Max.)

Green, Stanley S., La Fayette, Ind. Novelty lamp. 1,856,098; May 3.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electric switch. 1,868,460; July 19.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electric switch. 1,868,461; July 19.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, LaFayette, Ind. Current transformer. 1,875,590; Sept. 6.

Green, Thomas Luther, and Charles H. Williams, Indianapolis, Ind.; said Williams assignor to said Green. Method and machine for sheeting and folding plastic materials. 1,868,317; July 19.

Green, Thornton A., Ontonagon, Mich. Renewable surface dust cloth. 1,852,114; Apr. 5.

Green, Walter H., assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Apparatus and method for preparing and proportioning dosing mixtures. Re18,510; July 5.

Green, Walter H., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Water softening apparatus. 1,840,031; Jan. 5.

Green, Walter H., assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Mixing apparatus. 1,866,030; July 5.

Green, Walter H., assignor to General Zeolite Company, Chicago, Ill. Liquid treatment. 1,866,031; July 5.

Green, Walter H., assignor to General Zeolite Company, Chicago, Ill. Boiler control apparatus. 1,866,302; July 5.

Green, Walter H., and S. L. Adelson, assignors to General Zeolite Company, Chicago, Ill. Liquid treatment. 1,869,144; July 26.

Green, William B., Rust St. Louis, Ill. Combination gate and reversible check valve. 1,875,591; Sept. 6.

Green, William E., St. Louis, Mo. Shoe sole cementing machine. 1,877,300; Sept. 13.

Green, William H., et al. (See Prins, Henry, assignor.)

Green, William H., Brooklyn, assignor to Vadsco Sales Corporation, New York, N. Y. Toilet accessory container. Des. 86,084; Jan. 26.

Greenan, James E., Ashton, R. I. Candle lamp. 1,842,904; Jan. 26.

Greenan, William T., assignor of one-half to A. G. Reinhardt, New York, N. Y. Game apparatus. 1,886,479; Nov. 8.

Greenawalt, John E., New York, N. Y. Constituting a charge for sintering. 1,888,458; Nov. 22.

Greenawalt, William E., Denver, Colo. Copper extraction process. 1,841,437; Jan. 19.

Greenawalt, William E., Denver, Colo. Copper extraction process. 1,841,438; Jan. 19.

Greenawalt, William E., Denver, Colo. Copper extraction process. 1,862,343; June 7.

Greenbaum, Leo. (See Gustavson, C., Van Hoofstadt, and Greenbaum.)

Greenbaum, Leo, assignor to Lion Match Company, Inc., New York, N. Y. Advertising device. 1,839,845; Jan. 5.

Greenbaum, Leo, assignor to Lion Match Co., Inc., New York, N. Y. Book match packet. 1,839,846; Jan. 5.

Greenberg, Alta. (See Greenberg, William, assignor.)

Greenberg, Fred, Dress Corporation. (See Boetzel, Rozane, assignor.)

Greenberg, Geza, New York, N. Y. Garment support. 1,861,950; June 7.

Greenberg, Max, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,932; Jan. 5.

Greenberg, Max, assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 85,933; Jan. 5.

Greenberg, Max, by judicial change of name S. M. Green, assignor to Heat and Draft Control, Inc., Cleveland, Ohio. Heat and draft regulator for furnaces, stoves, water heaters, and the like. 1,856,478; May 3.

Greenberg, Samuel A., et al. (See Tumminello, Charles E., assignor.)

Greenberg, William, assignor to Alta Greenberg, Portland, Oreg. Temperature indicator and register for automatic telephones. 1,884,663; Oct. 25.

Greenberg, William, assignor to Fischman & Sons, Philadelphia, Pa. Insulating collar for ice cream cabinets. 1,885,712; Nov. 1.

Greene, Albert E., Medina, Wash. Electric induction furnace. 1,851,647; April 5.

Greene, Albert E., Medina, Wash. Electrode holder for arc furnaces. 1,856,330; May 3.

Greene, Albert E., Medina, Wash. Electric furnace with cooling means. 1,861,213; May 31.

Greene, Albert E., Medina, Wash. Apparatus for casting. 1,863,371; June 14.

Greene, Alonzo H., assignor to Fort Worth National Bank of Fort Worth, Texas, Fort Worth, Tex. Egg meter. 1,861,854; June 7.

Greene, Arthur B., Fort Dodge, Iowa. Windshield heater. 1,870,726; Aug. 9.

Greene, Carroll E., South Ryegate, Vt. Combination sled and toboggan. 1,888,857; Nov. 22.

Greene, Edgeworth, and W. H. Swenarton, Montclair, N. J. Apparatus for dishwashing. 1,889,858; Dec. 6.

Greene, Frank C., Milwaukee, Wis. Reactive stoker for use with steam boilers. 1,849,294; Mar. 15.

Greene, Frank C., Milwaukee, Wis. Gas generator. 1,890,606; Dec. 13.

Greene, Frank C., Chicago, Ill. Apparatus for carbonizing coal and the like material. 1,890,661; Dec. 13.

Greene, Frank C., Oconomowoc, Wis. Heat treating material. 1,890,662; Dec. 13.

Greene, Frank C., Waukegan, Ill., and J. F. Laucks, Seattle, Wash., assignors to Old Ben Coal Corporation, Chicago, Ill. Method of and apparatus for carbonizing coal. 1,854,300; Apr. 19.

Greene, Fred E., Berkeley, assignor to A. B. Humphrey Co., Perkins, Calif. Method and apparatus for precooling refrigerator cars. 1,872,937; Aug. 23.

Greene, Frederick, New Eagle, Pa. Lock cap. 1,865,369; June 28.

Greene, Gerald U., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Cover for sintering machines. 1,856,548; May 3.

Greene, Harry, Brooklyn, N. Y. Textile fabric or the like. Des. 83,797; Dec. 27.

Greene, Holdridge G., Oneida, assignor to Norwich Wire Works, Inc., Norwich, N. Y. Game trap. 1,851,096; Mar. 29.

Greene, Irving H., New York, N. Y. Spray stopper. 1,863,158; June 14.

Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print handling apparatus. 1,877,659; Sept. 13.

Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic roll holder. 1,890,324; Dec. 6.

Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic developing method and apparatus. 1,890,325; Dec. 6.

Greene, John W. (See Souther, R. L., and Greene.)

Greene, Linus E., Fitchburg, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Gear cutting apparatus. 1,879,196; Sept. 27.

Greene, Oscar V., Cleveland, Ohio. Filter mechanism. 1,850,101; Mar. 22.

Greene, Oscar V., Cleveland, Ohio. Armored filter element. 1,883,715; Oct. 18.

Greene, Otto W., Elyria, Ohio. Rheostat. 1,891,410; Dec. 20.

Greene, Percy W., Whitman, assignor to Perley E. Barbour, doing business as Barbour Welting Company, Brockton, Mass. Welting and its manufacture. 1,881,509; Oct. 11.

Greene, Richard A. (See Burns, W. G., and Greene.)

Greene, William C., Company. (See Armstrong, George A., assignor.)

Greenebaum, Samuel, Kansas City, Mo. Tile or analogous simulation. 1,852,715; Apr. 5.

Greenewalt, Crawford H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrogenation process for making esters. 1,858,823; May 17.

Greenwalt, Mary H., Philadelphia, Pa. Motor-actuated switches. 1,854,547; Apr. 19.

Greenfield Tap and Die Corporation. (See Bryant, Elmer J., assignor.)

Greenfield Tap & Die Corporation. (See Judge, Franklin, assignor.)

Greenfield Tap & Die Corporation. (See Plantinga, Peter, assignor.)

Greenhill, Charles W., New York, N. Y. Table top. 1,889,355; Nov. 29.

Greenhill, Morris. (See Heyl, George C.)

Greenhouse, Samuel, Brooklyn, N. Y. Metal foil and attaching same. 1,882,359; Oct. 11.

Greenlee, Ralph M. C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable inductance. 1,848,169; Mar. 8.

Greenlee, Ralph M. C., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable inductance. 1,868,318; July 19.

Greening, Herald B., and G. W. Galloway, assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Internal combustion engine of the two-stroke cycle type. 1,846,023; Feb. 23.

Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company, Limited, Hamilton, Ontario, Canada. Torque amplifier. 1,846,961; Feb. 23.

Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Variable speed transmission. 1,854,403; Apr. 19.

Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Two-cycle engine. 1,872,277; Aug. 16.

Greening, Herald B., and J. W. Galloway, assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Variable speed transmission. 1,872,636; Aug. 16.

Greenlaw, Burpee D., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Counter and ejector for packaging machines. 1,868,201; July 19.

Greenleaf, Robert M., Los Angeles, Calif., assignor to Frosted Wool Process Company. Cleaning wool. 1,866,205; July 5.

Greenleaf, William H., Hartford, Conn., assignor to Western Clock Company, Peru, Ill. Clock setting mechanism. 1,848,562; Mar. 8.

Greenleaf, William H., Hartford, Conn., assignor to Western Clock Company, Peru, Ill. Clock mechanism. 1,874,967; Aug. 30.

Greenlee Bros. & Co. (See Abramson, John H., assignor.)

Greenlee Bros. & Co. (See Geddes, L. H., and Mansfield, assignors.)

Greenlee Bros. & Co. (See Mansfield, Judson H., assignor.)

Greenlee, Eli M., Newport, Ky., assignor of one-fourth to O. W. House, Williamsport, and one-fourth to H. H. Cohen, Cincinnati, Ohio, and one-half to H. H. Martin, Covington, Ky., and George W. Shuey, Cincinnati, Ohio. Traffic control device. 1,888,590; Nov. 22.

Greenlee, James T., Oak Park, assignor to Century Printing Company, Chicago, Ill. Poster support. 1,867,565; July 19.

Greenlees, Russell C., Gladstone, Mich. Closure for collapsible tubes. 1,883,716; Oct. 18.

Greenman, Le Roy E., Kalkaska, Mich. Bottle capper. 1,866,255; July 5.

Greenough, Henry B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Punching apparatus. 1,858,496; May 17.

Greenpaint Metallic Bed Co. (See Basile, Joseph, assignor.)

Greensand, Thomas. (See Marschall, R., and Greensand.)

Greensfelder, Elmer L. (See Bloede, V. G., and Greensfelder.)

Greenstein, Alexander S., New York, N. Y. Fur stretching device. 1,879,931; Sept. 27.

Greenstein, Morris W., New York, N. Y. Printed chintz. Des. 87,260; June 28.

Greenstein, Morris W., New York, N. Y. Applique gingham effect chintz. Des. 87,463; Aug. 2.

Greenstone, Henry S., Los Angeles, Calif. Display device. 1,841,026; Jan. 12.

Greenstreet, Charles J., assignor, by mesne assignments, to Raymond F. Adams, New York, N. Y. Treating hydrocarbon oils. 1,886,093; Nov. 1.

Greenstreet, Oliver F., Owensville, Mo. Antifreezing liquid. 1,869,684; Aug. 2.

Greenstreet, Oliver F., Owensville, Mo. Windshield wiper. 1,881,182; Oct. 4.

Greenwald, Colon W., assignor to Independent Stove Company, Owosso, Mich. Slidable oven and broiler rack. 1,872,733; Aug. 23.

Greenwald, Harold A., Detroit, Mich. Refrigerator door gasket. 1,859,439; Nov. 29.

Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Humidifier. 1,865,563; July 5.

Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Resistor unit for refrigerating apparatus. 1,879,197; Sept. 27.

Greenwald, Harold A., assignor to Whitehead & Kales Company, River Rouge, Mich. Making disk wheels. 1,865,185; June 28.

Greenwald, Julius. (See Lucks-Osten, E., Greenwald, and Ostern.)

Greenwald, Willard F. (See Weisberg, L., and Greenwald.)

Greenwald, Willard F., assignor to Weisberg & Greenwald, Inc., New York, N. Y. Preparing synthetic resins. 1,857,175; Aug. 23.

Greenwell, Nevil. (See Dougherty, R. S. A., and Greenwell.)

Greenwell, Nevil, Bethlehem, Pa., assignor to Bethlehem Steel Company. Control mechanism for engines. 1,866,877; Nov. 8.

Greenwich, Anna J., Chicago, Ill. Reversible dress. 1,841,474; Jan. 19.

Greenwich, Anna J., Chicago, Ill. Water marcelling comb. 1,841,475; Jan. 19.

Greenwood, George E., San Francisco, Calif. Retainer. 1,851,356; Mar. 29.

Greenwood, George W., Wilmington, Del., assignor to Stephen C. Whitman & Son, Inc., Philadelphia, Pa. Manufacturing puffed candy. 1,855,670; Apr. 26.

Greenwood, George W., Wilmington, Del., assignor to Steven C. Whitman & Son, Inc., Philadelphia, Pa. Extrusion die. 1,874,503; Aug. 30.

Greenwood, Harry J., Bryant, Okla. Soap holder. 1,859,508; Apr. 13.

Greenwood, Henry B., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Fountain roll feeding means for printing presses. 1,868,383; July 19.

Greenwood, Henry B., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Stacker for box blanks. 1,868,384; July 19.

Greenwood, Henry B., Glenarm, Md. Means for adjusting register of machine parts. 1,868,385; July 19.

Greenwood, Richard C., New York, N. Y. Precast concrete structural unit. 1,871,318; Aug. 9.

Greenwood Talma T., East Templeton, Mass. Brake. 1,840,037; Jan. 5.

Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., Interrupting electric circuits. 1,850,321; Mar. 22.

Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Thermal relay. 1,866,032; July 5.

Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,873,388; Aug. 23.

Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Method and apparatus for providing the casings of electrical apparatus with inert atmospheres. 1,881,510; Oct. 11.

Greenwood, Wallace W., assignor to Norton Company, Worcester, Mass. Pulp grinding stone. 1,850,231; Mar. 22.

Greenwood, Wallace W., assignor to Norton Company, Worcester, Mass. Segmental grinding wheel. 1,870,449; Aug. 9.

Greenwood, Wayne E., Salem, Oreg. Terminal for storage batteries. 1,844,757; Feb. 9.

Greer, Benjamin B., New Canaan, Conn. Hose fitting for air brakes. 1,866,644; July 12.

Greer, Richard L., Highland Park, and K. F. Marx, Dearborn, Mich. Locking means for workholders or jigs. 1,874,504; Aug. 30.

Greer, Edward R., Minneapolis, Minn. Tractor hitch. 1,877,126; Sept. 13.

Greer, James A., et al. (See Volk, Francis M., assignor.)

Greer, Tony S., Sacramento, Calif. Combination gas-tank cap, fuel pipe and drain pipe lock. 1,877,418; Sept. 13.

Greer, Willard N. (See Parker, H. C., and Greer.)

Greer, Willard N., assignor to Leeds & Northrup Company, Philadelphia, Pa. Electric control system. 1,877,995; Aug. 9.

Greeson, Grant, and R. D. Tansey, Clinton, Okla. Oil reclaiming apparatus. 1,846,715; Feb. 23.

Greg, Victor V., Dormont, Pa., assignor to The Koppers Company. Coke quenching car. 1,840,895; Jan. 12.

Greg, Victor V., Dormont, Pa., assignor to The Koppers Company of Delaware. Belt scraper. 1,875,442; Sept. 6.

Gregg, Alfred W. (See Mitchell, A., and Gregg.)

Gregg, Alfred W. (See Mitchell, H. A., Gregg, and Frank.)

Gregg, Alfred W., assignor to The Bonney-Floyd Company, Columbus, Ohio. Cast steel body and hardening same. 1,859,623; May 24.

Gregg, Alfred W., and R. H. Frank, assignors to The Bonney-Floyd Company, Columbus, Ohio. Wear resisting ferrous alloy. 1,876,411; Sept. 6.

Gregg, David, Anderson, Ind. Rotary compressor. 1,842,829; Jan. 26.

Gregg, David, Fond du Lac. Device for relieving back-fire pressures in supercharged induction systems. 1,844,155; Feb. 9.

Gregg Spring Company, The. (See Woodhead, H. A., and Kelly, assignors.)

Gregg, Josiah F., Redlands, Calif. Plant protector. 1,848,345; Mar. 8.

Gregg, Maxwell Q., Ballston Spa, N. Y., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Making emulsions. 1,884,664; Oct. 25.

Gregg, Vernon M., Cedar Falls, Iowa. Dentist's bite-tray. 1,850,453; Mar. 22.

Grego, Angelo, et al. (See Davis, William E., assignor.)

Gregoire, Jean A., Paris, France. Transmission device for motor vehicles. 1,874,505; Aug. 30.

Gregory, Eli E., Brookiyn, N. Y., assignor to Spencer Thermostat Company. Thermostat. 1,845,998; Feb. 16.

Gregory, Emerson W. (See Shumaker, F. C., and Gregory.)

Gregory, Eumund S., assignor to The Commonwealth Manufacturing Company, Toledo, Ohio. Conveyance lamp. 1,843,154; Feb. 2.

Gregory, Ernest, New York, N. Y., assignor to The Lyons Manufacturing Co., Hamden, Conn. Wheel skate or the like. 1,854,188; Apr. 19.

Gregory, Dimitry J., New Haven, and W. C. Tifft, Seymour, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Press for belts or the like. 1,866,765; July 12.

Gregory, Henry, Houston, Tex., assignor to The American Steel and Wire Company of New Jersey. Collapsible reel. 1,868,634; July 26.

Gregory, Lon S., Tulsa, assignor to Phillips Petroleum Company, Bartlesville, Okla. Pyrolytic conversion of normally gaseous aliphatic hydrocarbons. 1,847,241; Mar. 1.

Gregory & Read Company. (See Coleman, George, as signor.)

Greibach, Emil H., assignor to Pacent Electric Company, Inc., New York, N. Y. Photo electric system. 1,839,217; Jan. 5.

Greibach, Emil H., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Synchronous motor. 1,844,649; Feb. 9.

Greider, Harold W., Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company. Magnesia process and magnesium values recovery. 1,864,063; June 21.

Greider, Harold W., Plymouth Meeting, Pa., assignor to the Philip Carey Manufacturing Company. Porous materials and the manufacturing process thereof. 1,882,810; Oct. 18.

Greig, James W. (See Toncray, M. H., and Greig.)

Greig, Jeanne F., assignor to The Charnaux Patent Corset Company Limited, London, England. Corset. Des. 87,056; May 31.

Greig, Jeanne F., assignor to The Charnaux Patent Corset Company Limited, London, England. Brassière. Des. 87,112; June 7.

Greig, Jeanne F., assignor to The Charnaux Patent Corset Company Limited, London, England. Corset. Des. 87,113; June 7.

Greig, William R., Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Pipe covering. 1,876,665; Sept. 13.

Greigy, J. R., S. A. (See Laeuger, Paul, assignor.)

Greimann, Benjamin F., Garner, Iowa. Heating system for buildings. 1,868,745; July 26.

Greineisen, Wilhelm, Berlin, Germany. Stocking suspender. 1,849,269; Mar. 15.

Greiner, Alfred, Boston, assignor of forty per cent to R. E. Schirmer, Newton, and twenty per cent to L. L. Witter, Jamaica Plain, Mass. Metallic treatment of vitreous materials. 1,884,665; Oct. 25.

Greiner, Charles F. (See Baker, W. L., and Greiner.)

Greiner, Charles F., Walla Walla, Wash. Fender tool. 1,880,246; Oct. 4.

Greiner, E. E. (See Johnson, Ben P., assignor.)

Greiner, Harvey R. (See Wilcox, S. S., Jr., and Greiner.)

Greiner, Heinz. (See Koenigs, E., and Greiner.)

Greiner, Leopold E., Jr., New York, N. Y. Clinical thermometer. 1,883,717; Oct. 18.

Greis, Alphonse M., Hartsdale, N. Y. Electric circuit molding. 1,869,145; July 26.

Greis, Alphonse M., Hartsdale, assignor of one-half to W. L. Biery, New York, N. Y. Electrical wall molding. 1,879,199; Sept. 27.

Greiser, Elijah C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Drying cylinder. 1,883,322; Oct. 18.

Greissinger, Hans. (See Wacker, F., Blum, Greissinger, and Dietrich.)
Greist, Hubert M., and H. F. Thurber, assignors to Greist Manufacturing Company, New Haven, Conn. Lamp. 1,886,804 ; Nov. 8.
Greist Manufacturing Company, The. (See Elwell, George H., assignor.)
Greist Manufacturing Company. (See Greist, H. M., and Thurber, assignors.)
Greist Manufacturing Company, The. (See Greist, W. C., Carmichael, and Fischer, assignors.)
Greist Manufacturing Company. (See La Vigne, George J., assignor.)
Greist, Manufacturing Company, The. (See La Vigne, G. J., and Greist, assignors.)
Greist, Walter C. (See La Vigne, G. J., and Greist.)
Greist, Walter C., A. J. Carmichael, and P. R. Fischer, New Haven, Conn., assignors to The Greist Manufacturing Company. Binding and piping attachment for sewing machines. 1,853,413 ; Apr. 12.
Grenagle, James B., assignor, by mesne assignments, to W. Varney, Baltimore, Md. Reducing ores and obtaining new products thereof, separating the products and the purification of the separated products. 1,887,264 ; Nov. 8.
Grenagle, James B., assignor of one-half to W. W. Varney, Baltimore, Md. New product for electrical purposes and making the same. 1,844,919 ; Feb. 9.
Grenagle, James B., assignor of one-half to W. W. Varney, Baltimore, Md. Making an alloy. 1,845,145 ; Feb. 16.
Grenagle, James B., assignor of one-half to W. W. Varney and one-half to The Varney Corporation, Incorporated, Baltimore, Md. Metal depositing. 1,854,790 ; Apr. 19.
Grennor, Frank V. (See Simonson G. H., and Grennor.)
Grennor, Frank V. (See Stone, E. W., and Grennor.)
Grentz, Adolph T., Philadelphia, Pa. Safety attachment for gas burners. 1,865,901 ; July 5.
Gresham, Floyd. (See Robertson, Ivy B., assignor.)
Gress, George C. (See Preston, A. C., and Gress.)
Gress, George C., Springfield, and R. T. Kern, Leominster, assignors to The Commercial Corporation, Indian Orchard, Mass. Apparatus for continuous digesting. 1,846,680 ; Feb. 23.
Grewer, Aksel J., Oslo, Norway. Ski fastening device. 1,868,386 ; July 19.
Greter, Carl, Berlin-Schoneberg, Germany. Electric switch. 1,842,064 ; Jan. 19.
Grether, Ernest F., Midland, Mich. Fertilizer composition. 1,883,718 ; Oct. 18.
Grether, Ernest F., Midland, Mich., assignor to The Dow Chemical Company. Diaryl ether derivative. 1,842,163 ; Jan. 19.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Amino derivatives of 4-hydroxy diphenyl. 1,856,131 ; May 3.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo dyes derived from naphtharyl ethers. 1,871,512 ; Aug. 16.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo-(2,3 hydroxy-naphthoyl) aromatic diamines and azo dyestuffs derived therefrom. 1,871,513 ; Aug. 16.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Dye intermediates and derived azo-dyes. 1,871,515 ; Aug. 16.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Fast azo dye. 1,872,033 ; Aug. 16.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo dye from diphenyloxide derivatives. 1,872,034 ; Aug. 16.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Making derivatives of diaryl-ethers. 1,877,301 ; Sept. 13.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo dyestuffs and making same. 1,877,302 ; Sept. 13.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo dyes of 2,3 hydroxy-naphthoic acid and azo dyestuffs derived therefrom. 1,877,303 ; Sept. 13.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Carbonates of salicyclic esters and making same. 1,877,304 ; Sept. 13.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Making salicylic ester carbonates. 1,877,305 ; Sept. 13.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo dyestuff and making same. 1,880,432 ; Oct. 4.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Azo dye and making same. 1,880,433 ; Oct. 4.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. 4-amino-2-halo-diphenyl ethers and preparing same. 1,881,074 ; Oct. 4.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Alkyl ether of halogenated para-hydroxy-diphenyls. 1,887,757 ; Nov. 15.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Preparing amino-diaryl ethers. 1,890,256 ; Dec. 6.
Grether, Ernest F., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Azo dyestuffs derived from amino-ethers of hydroxydiaryls. 1,858,928 ; May 17.
Grether, Ernest F., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Azo-dyes from ether-arylides of amino-hydroxydiaryls. 1,871,514 ; Aug. 16.
Grether, Ernest F., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Azo dyes from substituted anilides of 2,3 hydroxynaphthoic acid. 1,872,035 ; Aug. 16.
Grether, Ernest F., and J. L. Keener, jr., assignors to The Dow Chemical Company, Midland, Mich. Preparation of ortho-chlor-para-nitraniline. 1,882,811 ; Oct. 18.
Grethmann, Wolfgang. (See Föhrenbach, Rudolf, assignor.)
Greulich, Gerald G., Cleveland, Ohio. Metallic lath construction. 1,885,343 ; Nov. 1.
Greulich, Gerald G., Cleveland Heights, Ohio, assignor to The Lock-Steel Company, Pittsburgh, Pa. Monolithic reenforcement. 1,874,506 ; Aug. 30.
Greune, Heinrich. (See Eckert, W., and Greune.)
Greune, Heinrich. (See Eckert, W., Greune, and Bicholz.)
Greune, Heinrich. (See Kranzlein, G., Greune, and Langbein.)
Greune, Heinrich. (See Kränzlein, G., Greune, and Vollmann.)
Greutert, Jacques. (See Moser, F. R., and Greutert.)
Greve, Carl H., Altona-on-Elbe, and W. C. D. Schwarz, assignor to the Firm of Rolfs Kohlen-Oxyd-Verbrenner Gesellschaft mit beschraenkter Haftung, Hamburg, Germany. Fire bridge. 1,861,388 ; May 31.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Bushing retaining rotaries. 1,843,600 ; Feb. 2.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Spider and slip construction. 1,847,087 ; Mar. 1.
Greve, Edzar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Cathead for drilling apparatus. 1,859,903 ; Mar. 22.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Cat-head for drilling apparatus. 1,862,842 ; Apr. 5.
Greve, Edzar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Earth drilling bit. 1,862,843 ; Apr. 5.
Greve, Edzar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Tool joint. 1,852,844 ; Apr. 5.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Slip for rotary drilling machines. 1,856,470 ; May 3.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Method of and apparatus for automatically raising liquids from wells. 1,857,604 ; May 10.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Oil and gas separator. 1,863,111 ; June 14.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Closure means for cylinders and the like. 1,888,459 ; Nov. 22.
Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Carton. 1,860,536 ; May 31.
Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Co., Brooklyn, N. Y. Metal clip fastening means. 1,872,734 ; Aug. 23.
Greve, Louis W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Aircraft strut. 1,868,228 ; July 19.
Greve, Louis W., assignor to The Cleveland Rock Drill Company. Percussive drills. 1,891,411 ; Dec. 20.
Grevstad, Richard, Olalla, Wash. Tarring machine. 1,841,583 ; Jan. 19.
Grey Iron Casting Company. (See Coventry, William A., assignor.)
Gribbie, John M., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Electrical connecter. 1,847,689 ; Mar. 1.
Gribbie, John M., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Electrical connecter. 1,874,507 ; Aug. 30.
Gribbin, John H., jr. (See Stephens, W. H., and Gribbin.)
Gridley, Clarence H., Flournoy, Calif. Sheep brander. 1,851,914 ; June 7.
Grieb, Alfred, Elizabeth, and N. Knaus, Newark, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating system for sewing machines. 1,888,799 ; Nov. 22.
Grieb, John J. (See Sarvay, D. W., Grieb and Fritz.)
Grier, J. Alfred. (See Van Deventer, H. R., and Grier.)
Grier, Kenneth M., North Hollywood, assignor to Kaymo Electric Speed Boat Corporation, Ltd., Los Angeles, Calif. Motor boat top. 1,878,393 ; Sept. 20.
Grier, Ralph H., and A. Sachs, Salisbury, Md., assignors to Sachs Sole Shapinz Machine Company, Incorporated. Apparatus for shaping shoes. 1,875,304 ; Aug. 30.

Grierson, Paul S., Millburn, N. J., and G. Bright, Wilkinsburg, Pa., assignors, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Lock construction. 1,881,511; Oct. 11.

Grierson Ronald, London, England. Electric wall heater. 1,891,595; Dec. 20.

Gries, Frank X., assignor to C. J. Reitz, Sunbury, Pa. Clock-controlled calendar. 1,846,962; Feb. 23.

Griesbach, Walter, Montreal, Quebec, Canada. Method and apparatus for building retaining walls, piers, etc. 1,870,248; Aug. 9.

Griesbach, William, Greenfield, Mass. Card holding device. 1,852,457; Apr. 5.

Griesediieck, Henry C. (See Elzemeyer, E. E., and Griesediieck.)

Grieser, Friedrich, Berlin, Germany. Hair treating device. 1,847,942; Mar. 1.

Griesser, Joseph G., Scranton, Pa., assignor to Draper Corporation, Hopedale, Mass. Self threading shuttle. 1,854,989; Apr. 19.

Griesser, Raymond, assignor of one-half to L. C. Felts, Detroit, Mich. Curtain tie-back or similar article. Des. 88,535; Dec. 6.

Griesshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Rescue tank. 1,853,898; Apr. 12.

Griesshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Submarine rescue means. 1,881,512; Oct. 11.

Griessbach, Robert. (See Ambros, O., and Griessbach.)

Griessbach, Robert. (See Mittasch, A., Lucas, and Griessbach.)

Griessbach, Robert, Ludwigshafen-on-the-Rhine, and H. Weiss, Mannheim, Germany, assignors, by mesne assignments, to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Fertilizer. 1,889,654; Nov. 29.

Grieve, Frederick W., Crestwood, N. Y. Golf club. 1,868,286; July 19.

Grieve, Thomas S., Leicester, England. Stocking knitting machine and method. 1,855,019; Apr. 19.

Grifenhagen, Herbert M., New York, N. Y. Blouse. 1,843,717; Feb. 2.

Griffin, Alvah M., Los Angeles, Calif., assignor, by mesne assignments, to Chicago Bridge & Iron Company, Chicago, Ill. Seal for floating decks. 1,892,144; Dec. 27.

Griffin, Carte J., deceased, late of Griffin administratrix, New York, N. Y. Doorcheck. 1,852,609; Apr. 5.

Griffin, Buel D., Fort Worth, Tex. Gasoline serving apparatus. 1,865,002; June 28.

Griffin, Charles W., Lynwood, and L. P. Sinz, Los Angeles, Calif., assignors to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Removal of foil from bottles. 1,854,301; Apr. 19.

Griffin, Charles W., Lynwood, D. Schmid, Pasadena, and L. P. Sinz, Los Angeles, Calif., assignors to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Removing foil from bottles. 1,864,592; June 28.

Griffin, Courtlandt B., Longmeadow, assignor to Carew Manufacturing Company, South Hadley Falls, Mass. Air deckling. 1,864,726; June 28.

Griffin, Courtlandt B., Longmeadow, assignor to Carew Manufacturing Company, South Hadley Falls, Mass. Paper making. 1,878,236; Sept. 20.

Griffin, Frank S., West Palm Beach, Fla. Torch. 1,869,200; July 26.

Griffin, Howard A., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Vacuum tank. 1,840,091; Jan. 5.

Griffin & Howe, Inc. (See Griffin, S., and Sparr, assignors.)

Griffin, James, Belleville, Ill. Bending and straightening tool. 1,847,943; Mar. 1.

Griffin, James C., assignor to Griffin Manufacturing Company, Erie, Pa. Door latch. 1,868,471; July 19.

Griffin, James H. (See Watson, R. G., and Griffin.)

Griffin, James H., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Draw-off control device for liquids. 1,844,255; Feb. 16. Griffin.)

Griffin, James H., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Continuous glass grinding and polishing machine. 1,849,980; Mar. 15.

Griffin, James T., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Facilitating the location of members secured within bodies. 1,841,549; Jan. 19.

Griffin Manufacturing Company. (See Aste, Anthony L., assignor.)

Griffin Manufacturing Company. (See Griffin, James C., assignor.)

Griffin, Maude W., administratrix. (See Griffin, Barte J.)

Griffin, Oliver D., Salt Lake City, Utah. Centrifugal switch. 1,883,784; Oct. 18.

Griffin, Patrick J., assignor of one-half to E. L. Logan, Boston, Mass. Mooring. 1,848,828; Mar. 8.

Griffin, Percy M., Albany, N. Y. Closure operating device. 1,868,599; July 26.

Griffin, Roger L., assignor to A. C. Lawrence Leather Company, Peabody, Mass. Fastening device. 1,888,591; Nov. 22.

Griffin, Seymour, and R. Sparr, assignors to Griffin & Howe, Inc., New York, N. Y. Gun sight support. 1,856,549; May 3.

Griffin, William. (See Clarke, A. W., and Griffin.)

Griffin, William, Rutherford, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,851,702; Mar. 29.

Griffin, William M., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 86,770; Apr. 19.

Griffin, William M., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 86,954; May 17.

Griffin, William M., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 86,955; May 17.

Griffin, William M., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 87,150; June 14.

Griffin, William M., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 87,151; June 14.

Griffin, William M., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 87,780; Sept. 20.

Griffing, Lewis E., Montrose, Pa. Fire extinguisher. 1,862,082; June 7.

Griffith, Allan A., Kensington, London, P. S. Kerr and F. W. Meredith, South Farnborough, assignors to Elliott Brothers (London) Limited, London, England. Flowmeter. 1,864,430; June 21.

Griffith, Anna, administratrix. (See Griffith, William P.)

Griffith Camera Corporation. (See Griffith, Graves, assignor.)

Griffith, Charles A. (See Marland, J., and Griffith.)

Griffith, Charles A., Knoxville, Tenn. Drop bottom car. 1,848,623; Mar. 8.

Griffith, Charles A., Knoxville, Tenn. Drop bottom car. 1,889,066; Nov. 29.

Griffith, Clarence P., assignor to Rocky Mountain Celotex Company, Denver, Colo. Tile block or similar article. Des. 86,119; Feb. 2.

Griffith, Clarence P., assignor to Rocky Mountain Celotex Company, Denver, Colo. Tile block or similar article. Des. 86,120; Feb. 2.

Griffith, Clement P., and C. J. Worden, assignors to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Service equipment for aviation fields. 1,868,497; July 26.

Griffith, Dickinson E., assignor to Smith-Lewis Fibre Can Corporation, Lewisville, N. Y. Paper or fiber can. 1,891,535; Dec. 20.

Griffith, Enoch L., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Smoking machine. 1,851,183; Oct. 4.

Griffith, Graves, assignor to Griffith Camera Corporation, Ltd., San Francisco, Calif. Laminated product bearing lens like elements over extended areas. 1,842,324; Jan. 19.

Griffith, Harry J., Denver, Colo. Tool for use in assembling universal joints. 1,864,736; Apr. 26.

Griffith-Hope Company. (See Hope, Samuel N., assignor.)

Griffith, Hurley G. (See Craise, F. L., Vesper, and Griffith.)

Griffith, Jeane, assignor to Incorporated Merchandising Corporation, New York, N. Y. Dress. Des. 86,092; Jan. 19.

Griffith Laboratories, Inc., The. (See Griffith, Enoch L., assignor.)

Griffith, Max O., assignor to Powel Crosley, jr., Cincinnati, Ohio. Airplane engine. 1,848,008; Mar. 1.

Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, England. Duplex telegraph system. 1,850,232; Mar. 22.

Griffith, Ronald G., Croydon, England, assignor to International Communications Laboratories, Incorporated, New York, N. Y. Telegraph printing and like apparatus. 1,864,302; June 21.

Griffith, Ronald G., Croydon, England, assignor to International Communications Laboratories, Incorporated, New York, N. Y. Telegraph system. 1,868,703; July 26.

Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation, Philadelphia, Pa. Flow detector. 1,852,999; Apr. 5.

Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Dry pipe valve. 1,866,766; July 12.

Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation, Philadelphia, Pa. Exhauster for sprinkler fire extinguishing systems. 1,881,513; Oct. 11.

Griffith, William P., deceased; Anna Griffith, Minneapolis, Minn., administratrix. Metal folding crate. 1,890,983; Dec. 13.

Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Machine for cementing belting. 1,863,595; June 21.

Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Making double belts. 1,863,596; June 21.

Griffiths, Ernest, Liverpool, England, and E. E. Griffiths, Mumbles, Swansea, South Wales. Apparatus for treating metal sheets. 1,855,107; Apr. 19.

Griffiths, Evelyn E. (See Griffiths, Ernest and E. E.)

Griffiths, Leonard, (See Young, A. P., and Griffiths.)

Griffiths, Richard T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fountain pen. 1,885,344; Nov. 1.

Griffiths, Septimus H., Wheeling, W. Va. Air and gas burner. 1,869,359; Aug. 2.

Griffiths, Thomas, Jersey City, N. J. Window shade bracket. 1,878,773; Sept. 20.

Grigal, Anthony. (See Abranathy, Anthony, assignor.)
Grigg, Charles L., assignor to The Howdy Company, St. Louis, Mo. Bottle. Des. 86,163; Feb. 9.
Griggs, Clarence M. (See Mortimer, Samuel E., assignor.)
Griggs, Henry L., and A. B. Mabey, assignors to The Bristol Company, Waterbury, Conn. Double-jet controller device. 1,850,247; Oct. 4.
Griggs, Stephen A. (See Byron, Kenneth M., assignor.)
Griggs, Stephen A. (See Higbee, James F., assignor.)
Griggs, Stephen A. (See Higbee, J. F., and Byron, assignors.)
Grigsby, Bertram J., Park Ridge, assignor to Grigsby-Grunow Company, Chicago, Ill. Radioreceiver. 1,859,241; May 17.
Grigsby-Grunow Company. (See Crimmins, William C., assignor.)
Grigsby-Grunow Company. (See Gardner, John E., assignor.)
Grigsby-Grunow Company. (See Grigsby, Bertram J., assignor.)
Grigsby-Grunow Company. (See Hamman, Russell H., assignor.)
Grigsby-Grunow Company. (See Kenney, Mahlon W., assignor.)
Grigsby-Grunow Company. (See Kranz, Herman E., assignor.)
Grigsby-Grunow Company. (See Maurer, Russell L., assignor.)
Grigsby-Grunow Company. (See Miller, Henry J., assignor.)
Grigsby-Grunow Company. (See Miller, H. J., and Cahn, assignors.)
Grigsby-Grunow Company. (See Osborne, Fred H., assignor.)
Grigsby-Grunow Company. (See Parker, William, assignor.)
Grigsby, Owen E., Park Ridge, assignor, by mesne assignments, to Porcelain Tile Corporation, Chicago, Ill. Tiled wall or the like. 1,841,370; Jan. 19.
Grigsby, Owen E., Park Ridge, assignor, by mesne assignments, to Porcelain Tile Corporation, Chicago, Ill. Tiled wall or the like. 1,863,842; June 21.
Grigsby, Russell C., Stockton, Calif. Wave motor driving mechanism. 1,864,499; June 21.
Grillet, Nicolas B., Neuilly-sur-Seine, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Protection of apparatus against acids. 1,870,953; Aug. 9.
Grillo, Albert P., assignor to H. A. Brassert & Company, Chicago, Ill. Bleeder valve. 1,881,272; Oct. 4.
Grillo, Nicholas, Milldale, Conn. Hybrid tea rose. Pl. Pt. 419; Dec. 20.
Grillo, Thomas, and P. Mongillo, New Haven, Conn. Water closet seat. 1,856,159; May 3.
Grimditch, William H., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radio current supply circuit. 1,852,882; Apr. 5.
Grimditch, William H., Glenside, and D. P. Earnshaw, assignors to Philadelphia Storage Battery Company, Philadelphia, Pa. Radioreceiver control. 1,866,462; July 5.
Grime, Edward P., Los Angeles, Calif., assignor to H. W. Stepp, Whittier, Calif. Device for handling fluid. 1,840,713; Jan. 12.
Grimes, Bertha L., New York, N. Y. Mop cleaner. 1,849,083; Mar. 15.
Grimes, Charles F. (See Casler, H., and Grimes.)
Grimes, Curtis C., Yale, Okla. Brooder. 1,891,811; Dec. 20.
Grimes, David, Grasmere, N. Y., assignor to Radio Corporation of America. Filter circuit for radio receiving sets. 1,847,759; Mar. 1.
Grimes, John A. (See Grimes, H. B., and Grimes.)
Grimes, Lee, Tillamook, Oreg. Pipe bending tool. 1,879,199; Sept. 27.
Grimes, Lester A., Montclair, assignor to Grimes Sprinkler Company, Newark, N. J. Retard device for sprinkler systems. 1,850,390; Mar. 22.
Grimes, Lester A., Montclair, assignor to Grimes Sprinkler Company, Newark, N. J. Sealing ring. 1,850,391; Mar. 22.
Grimes, Lester A., Montclair, assignor to Grimes Sprinkler Company, Inc., Newark, N. J. Valve accelerating device. 1,850,717; Mar. 22.
Grimes, Lester A., Montclair, N. J., assignor to Grimes Sprinkler Company, Inc., Newark, N. J. Slow leak device. 1,883,720; Oct. 18.
Grimes Sprinkler Company. (See Grimes, Lester A., assignor.)
Grimes, Thomas E., Westmount, Quebec, Canada, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,883,368; Oct. 18.
Grimley, Donald G., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission circuit. 1,881,515; Oct. 11.
Grimm, Albert. (See Winter, E., and Grimm.)
Grimm, Franklin, Mora, Minn. Rural mail box. 1,879,200; Sept. 27.
Grimm, Fred B., San Francisco, Calif. Sizing ring. 1,861,527; June 7.
Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Doorcheck. 1,847,558; Mar. 1.
Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Auxiliary seat top. 1,859,396; Nov. 29.
Grimm, Henry W., Moline, Ill. Timing toll telephone circuits. 1,891,994; Dec. 20.
Grimm, Joseph A., Little Neck Park, N. Y. Rack for holding clothes, shoes, jewelry or similar articles. Des. 87,717; Sept. 6.
Grimm, Walter E., Long Beach, Calif. Windshield construction. 1,883,721; Oct. 18.
Grimme, Jorge L., Buenos Aires, Argentina. Electric dental lathe. 1,856,869; May 3.
Grimsley, Harry C., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Exhibitor. 1,863,047; June 14.
Grinders Incorporated. (See Einstein, S., and Isler, assignors.)
Grindrod, George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Stabilizing food products. 1,854,189; Apr. 19.
Grindrod Process Corporation. (See Grindrod, George, assignor.)
Griner, George S., Cleveland, Ohio. Game. 1,877,660; Sept. 13.
Grinham, Edward G., assignor to Humber Limited, Coventry, England. Change speed gear mechanism. 1,861,387; May 31.
Grinnell, Samuel H., assignor to Union Oil Company of California, Los Angeles, Calif. Gas lift manifold. 1,852,716; Apr. 5.
Grinnell, Samuel H., and A. C. Rubel, assignors to Union Oil Company of California, Los Angeles, Calif. Gas lift appliance for oil wells. 1,852,717; Apr. 5.
Grinnell, Walter H. (See Moore, H., and Grinnell.)
Grintner, John H., Independence, Mo. Portable trash burner. 1,847,004; Feb. 23.
Grisbaum, Leonard D., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Renovation of lubricating oils. 1,848,124; Mar. 8.
Grisbaum, Leonard D., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Dehydration of oil. 1,848,125; Mar. 8.
Grisbaum, Leonard D., W. L. Dwyer, and E. S. Pearce, assignors to Railway Service & Supply Corporation, Indianapolis, Ind. Journal box sealing device. 1,889,407; Nov. 29.
Griscom Russell Company, The. (See Brown, Stanley, assignor.)
Griscom-Russell Company, The. (See Brown, S., and Price, assignors.)
Griscom-Russell Company. (See Dewal, Edward A., assignor.)
Griscom-Russell Company, The. (See Heimberger, Oscar W., assignor.)
Griscom-Russell Company, The. (See Jones, Russell C., assignor.)
Griscom-Russell Company, The. (See Nelson, Eric H., assignor.)
Griscom-Russell Company, The. (See Price, J., and Ris, assignor.)
Griscom-Russell Company. (See Rice, Joseph assignor.)
Griscom, Samuel B. (See Evans, R. D., Wagner, and Griscom.)
Griscom, Samuel B., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line protective system. 1,878,774; Sept. 20.
Grisel, Paul, Long Island City, N. Y. Window construction. 1,861,598; June 7.
Grisko, Joseph I., Cicero, Ill. Can punch. 1,861,438; June 7.
Grison, Joseph B., et al. (See Pennington, Harold C., assignor.)
Grissinger, James L., assignor to The Marion Steel Body Company, Marion, Ohio. Burial vault. Des. 87,341; July 12.
Griswold, Andrew E., assignor to Trumbull Electric Manufacturing Company, Pacific Division, Seattle, Wash. Electric switch. 1,869,936; Aug. 2.
Griswold, Clyde P. (See Orth, O. W., and Griswold.)
Griswold, Donald. (See Harwood, S. G., and Griswold.)
Griswold, Edward H., assignor of one-half to J. A. Hudson, Ponca City, Okla. Tobacco pipe. 1,871,365; Aug. 9.
Griswold, Edward H., assignor to Continental Oil Company, Ponca City, Okla. Device for preserving natural gas pressure in oil wells. 1,855,760; Nov. 1.
Griswold, Edward H., and J. C. Nicklos, assignors to Continental Oil Company, Ponca City, Okla. Oil well flow control device. 1,871,319; Aug. 9.
Griswold, Frank W., assignor to Griswold Safety Signal Company of Delaware, Minneapolis, Minn. Railroad crossing signal. 1,881,516; Oct. 11.
Griswold, Glenn G. (See Bills, Cland H.)
Griswold, Glenn G. (See Bills, C. H., and Griswold.)
Griswold, Harold T., Evanston, assignor to Sanford Manufacturing Co., Chicago, Ill. Bottle closure. Des. 86,164; Feb. 9.
Griswold Manufacturing Company, The. (See Buchanan, Charles A., assignor.)
Griswold, Robert G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Air cooled valve and valve seat. 1,873,119; Aug. 23.
Griswold Safety Signal Company of Delaware. (See Griswold, Frank W., assignor.)

Griswold, Samuel A., Wethersfield, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch. 1,849,922; Mar. 15.

Griswold, Thomas, Jr., assignor to The Dow Chemical Company, Midland, Mich. Segregating light metal floating on fused electrolyte and means therefor. 1,846,206; Feb. 16.

Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for conducting chemical reactions. 1,848,346; Mar. 8.

Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Gasket joint. 1,866,160; July 5.

Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. High temperature indirect heating. 1,877,762; Sept. 20.

Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Mercury boiler. 1,890,429; Dec. 6.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,851,669; Mar. 29.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,864,904; June 28.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,874,039; Aug. 30.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,874,040; Aug. 30.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Valve spring. 1,878,128; Sept. 20.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Balancing machine. 1,878,129; Sept. 20.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Damping device. 1,882,280; Oct. 11.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,882,281; Oct. 11.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,888,920; Nov. 22.

Griswold, William A., Nashville, Tenn. Combination radiator and circulating gas heater. 1,877,852; Sept. 20.

Griswoldville Manufacturing Company. (See Ballard, Joseph W., assignor.)

Griswoldville Manufacturing Company. (See Wishart, Robert, assignor.)

Gritt, Frank A., assignor, by mesne assignments, to Gritt, Inc., Indianapolis, Ind. Motion simulating device. 1,843,279; Feb. 2.

Gritt, Frank A., assignor, by mesne assignments, to Gritt, Inc., Indianapolis, Ind. Luminous animated out-door billboard. 1,843,897; Feb. 2.

Gritt, Inc. (See Gritt, Frank A., assignor.)

Grizzey George J., assignor to Hartford-Empire Company, Hartford, Conn. Ware stacking mechanism. 1,858,010; May 10.

Grob, Armin R., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Nutsch filtration. 1,865,061; June 28.

Grob, Benjamin, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Switch gear. 1,860,501; May 31.

Grob, Hugo, Berlin, Germany. Device for testing electric voltage regulators. 1,857,149; May 10.

Grob, Hugo, Berlin, Germany. Regulating circumferential velocity. 1,861,969; May 31.

Grob, William C., Toledo, Ohio. Abrading machine. 1,886,878; Nov. 8.

Grobel, Lloyd P. (See Newkirk, B. L., and Grobel.)

Grobling, John, Detroit, Mich. Aeroplane attachment. 1,886,673; Nov. 8.

Groc, Edouard L., assignor, by mesne assignments, to Rayrol British Corporation Limited, London, England. Color photography and color cinematography. 1,847,829; Mar. 1.

Grodsky, Isaac, Brooklyn, N. Y. Shoe polishing outfit. 1,886,541; Nov. 8.

Groebli, Paul, assignor to Ikle Freres & Co. Inc., New York, N. Y. Embroidered trimming. Des. 86,365; Mar. 1.

Groebli, Paul, assignor to Ikle Freres & Co. Inc., New York, N. Y. Embroidered trimming. Des. 86,364; Mar. 1.

Groebli, Paul, assignor to Ikle Freres & Co. Inc., New York, N. Y. Lace. Des. 86,366; Mar. 1.

Groebli, Paul, assignor to Ikle Freres & Co. Inc., New York, N. Y. Embroidered trimming. Des. 86,367; Mar. 1.

Groebli, Paul, assignor to Ikle Freres & Co. Inc., New York, N. Y. Embroidered trimming. Des. 86,363; Mar. 1.

Groebli, Paul, assignor to Ikle Freres & Co. Inc., New York, N. Y. Lace. Des. 86,368; Mar. 1.

Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Automobile body construction. 1,844,156; Feb. 9.

Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Method and apparatus for forming body panels. 1,881,517; Oct. 11.

Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Making hinges. 1,881,518; Oct. 11.

Groehn, Otto J., Grosse Pointe Park, L. L. Mitchell, Detroit, and C. McCurley, Halfway, assignors to Hudson Motor Car Company, Detroit, Mich. Body assembling apparatus. 1,881,519; Oct. 11.

Groehn, Otto J., Grosse Pointe Park, assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Ornamental grille for automobile radiators. 1,889,440; Nov. 29.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Double center drive crank-shaft lathe. 1,843,359; Feb. 2.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Chucking device. 1,878,130; Sept. 20.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crank shaft lathe. 1,878,131; Sept. 20.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Automatic lathe. 1,878,495; Sept. 20.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Cam shaft lathe. 1,879,201; Sept. 27.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft lathe. 1,880,434; Oct. 4.

Groene, William F., and H. J. Siekman, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machine tool. Re18,662; Nov. 22.

Groene, William F., Cincinnati, and L. D. Reed, Mariemont, assignors to The Cincinnati Electrical Tool Company, Cincinnati, Ohio. Routing device. 1,874,232; Aug. 30.

Groehler, William C., and J. C. Cromwell, Columbus, Ohio. Valve. 1,869,962; Jan. 26.

Groff, David A., et al. (See Hutchings, Edward W., assignor.)

Groff, Emory L. (See Hoffman, Charles T., assignor.)

Groff, Frazier, Verona, N. J., assignor to Bakelite Corporation, New York, N. Y. Coating composition. 1,865,628; July 5.

Groff, Joseph C., New York, N. Y. Airless fuel supplying and injecting system for Diesel and other like forms of compression ignition internal combustion engines. 1,865,099; June 28.

Grogan, Leo S., Wayne, Mich. Convertible boat. 1,846,963; Feb. 23.

Grogan, William H., and F. C. Ladd, assignors to Keith Paper Company, Turners Falls, Mass. Coloring paper. 1,889,020; Nov. 29.

Groggins, Philip H., Washington, D. C., dedicated to The People and the Government of the United States of America. Preparing 4-hydroxy-para-phenyl-ortho-benzoyl-benzoic acids. 1,843,716; Feb. 2.

Groggins, Philip H., Washington, D. C., dedicated to The People and the Government of the United States of America. Preparing 2-hydroxy-para-phenyl-ortho-benzoyl-benzoic acids. 1,843,719; Feb. 2.

Groggins, Philip H., Washington, D. C. Preparation of organic compounds of the anthraquinone series. 1,892,302; Dec. 27.

Groggins, Stanley S., Brooklyn, N. Y., assignor to Coloxide Patents Corporation, New York, N. Y. Bleaching and decolorizing hair, animal fibers, and fur skins. 1,885,822; Nov. 1.

Groh, Andrew, New York, N. Y. Electric sealer. 1,856,414; May 3.

Groh, August J., Brooklyn, N. Y. Fastener for use in wearing apparel. 1,840,896; Jan. 12.

Grohn, Henry P., assignor to McClave-Brooks Company, Scranton, Pa. Draw bench. 1,855,671; Apr. 26.

Grohn, Henry P., assignor to McClave-Brooks Company, Scranton, Pa. Furnace. 1,887,153; Nov. 8.

Grojean, Eve B., assignor of one-half to C. W. Oakes, Columbus, Ohio. Sanitary milk cabinet. 1,859,391; May 24.

Gronau, Herman, Cincinnati, Ohio. Alternating current welder. 1,874,508; Aug. 30.

Gronbech, Hans P., Pacific Beach, Calif. Combination screen and glass window construction. 1,849,371; Mar. 15.

Gronbech, Hans P., Pacific Beach, Calif. Screen roller adjustment device. 1,877,853; Sept. 20.

Groniech, Hans C., Chicago, Ill. Internal combustion engine. 1,864,241; June 21.

Grönberg, Gösta, administrator. (See Laberbäck, Per G.)

Gronberg, Victor, assignor to Postindex Company, Inc., Jamestown, N. Y. File cabinet. 1,841,390; Jan. 12.

Gronberg, Victor, assignor to Postindex Company, Inc., Jamestown, N. Y. Paper file. 1,848,779; Mar. 8.

Grönberg, Victor A. (See Carlson, T. R., and Grönberg.)

Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 1,839,477; Jan. 5.

Grondahl, Jens K., Red Wing, Minn. Alarm. 1,879,202; Sept. 27.

Grondahl, Lars O., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Making thermosensitive resistors. 1,862,014; June 7.

Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Preparing metal for use in unidirectional current carrying devices. 1,863,843; June 21.

Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,869,547; Aug. 2.
Grondin, George T., Collinsville, Conn. Collapsible chair. 1,856,709; May 3.
Gronemann, Carl W. (See Wahl, J. E., Gronemann, and Lungren.)
Gronemeyer, Herbert W., assignor to Sheffield Steel Corporation, Kansas City, Mo. Pump. 1,843,155; Feb. 2.
Gronginger, Holmes B. (See Hobart, Joseph N., assignor.)
Gronwall, Eugen A. A., Stockholm, Sweden. Recovering cobalt. 1,868,414; July 19.
Gronwall, Eugen A. A., and H. J. H. Nathorst, Stockholm, Sweden. Reduction of metals out of their ores. 1,850,009; Mar. 15.
Groom, Frederick P., Muskegon, Mich. Piston ring. 1,870,919; Sept. 13.
Groom, George F., assignor to Enger-Kress Company, West Bend, Wis. Bill fold. 1,856,703; May 3.
Groomes, Reister R. (See Holmes, E. M. A., Brooks, and Groomes.)
Groomes, Reister R., and P. A. Laddon, Washington, D. C. Box. 1,870,941; Aug. 9.
Groove Lock Co. Inc. (See Leberman, Harry, assignor.)
Groove Lock Co. Inc. (See Peeter, Edward, assignor.)
Groove Lock Co. (See Waechter, Adam, assignor.)
Groove Lock Co., Inc. (See Zeindlhofer, Anton, assignor.)
Gros, Gustave A., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composite article. 1,881,520; Oct. 11.
Grosehose, William D. (See Dell, F. C., Groseclose, and Foth.)
Grosjean, André, Rueil, France. Conveyer roll. 1,868,825; July 26.
Grosjean, James E., Lima, Ohio. Nonslip bath mat. 1,861,389; May 31.
Grosjean, Pierre M., Rosny-Sous-Bois, France. Crossing for railway tracks. 1,891,961; July 12.
Groskopf, Edwin O., Rutherford, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Method and apparatus for hurating emulsions. 1,889,473; Nov. 29.
Gross, Angus R., Baltimore, Md. Cooler. 1,846,719; Feb. 23.
Gross, Arthur. (See Nathan, M., and Gross.)
Gross, Arthur R., assignor, by mesne assignments, to Trussbilt Steel Door, Inc., St. Paul, Minn. Welding apparatus. 1,850,454; Mar. 22.
Gross, Charles. (See Mahana, C. G., and Gross.)
Gross, Erich, Wilkinsburg, Pa., assignor to General Electric Company. Protective arrangement. 1,849,890; Mar. 15.
Gross, Henry, Los Angeles, Calif. Therapeutic device. 1,874,286; Aug. 30.
Gross, Joseph N., Swissvale, Pa., assignor to Aurora Sign Company. Luminous tube. 1,879,740; Sept. 27.
Gross, Leo H., Bartelso, Ill. Automatic door operating means. 1,842,299; Jan. 19.
Gross, Louis N., Cleveland Heights, Ohio. Apparatus for piling layers of fabric. 1,842,164; Jan. 19.
Gross, Paul, Berlin-Reinickendorf, Germany. Opening up of cereals. 1,877,170; Sept. 13.
Gross Photo Supply Company, The. (See Kellermeier, Frederick J., assignor.)
Gross, Ralph A., assignor, by mesne assignments, to Simplex Paper Box Corporation, Lititz, Pa. Collapsible paper box. 1,886,979; Nov. 8.
Gross, Siegfried, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Conical spiral spring. 1,892,939; Dec. 27.
Gross, Walter F., Elizabeth, and C. N. Sappington, Perth Amboy, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Refining lead. 1,891,975; Dec. 27.
Gross, William H. (See Gann, J. A., and Gross.)
Grossbard, Barnet, San Francisco, Calif. Adjustable transmission. 1,875,057; Jan. 5.
Grosse, William H., Deferiet, N. Y. Suction box for paper machines. 1,842,020; Jan. 19.
Grossenbach, Walter F., Ogden, Utah. Fishing rod ferrule. 1,871,985; Aug. 16.
Grosser, Carl A., Killarney, Boggabri, New South Wales, Australia. Aeroplane. 1,866,161; July 5.
Grosser, Max F., Seattle, Wash. Sprinkler. 1,848,948; Mar. 8.
Grosser, Walter C. (See Draper, C. H., Lees, Grosser, and Dunneback.)
Grosskinsky, Otto. (See Schmidt, O., and Grosskinsky.)
Grossman, Edward, Chicago, Ill. Reminder clock. 1,887,303; Nov. 8.
Grossman, Herman P., Boonville, Ind. Corn gatherer and husker. 1,849,756; Mar. 15.
Grossman, Lester E., Brooklyn, N. Y. Tie. 1,871,173; Aug. 9.
Grossman, Mollie. (See Grossman, Morris, assignor.)
Grossman, Morris, assignor to M. Grossman, New York, N. Y. Combination necktie and handkerchief display folder. 1,866,463; July 5.
Grossman, Paul. (See Bally, O., Grossman, and Felix.)
Grossmann, Max, assignor to the Firm of Janaer Glaswerk Schott & Gen, Jena, Germany. Distributor for extraction apparatus. 1,887,126; Nov. 8.
Grossmann, Paul, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Making condensation products of the anthraquinone series and new products of this class. 1,868,202; July 19.
Grosvenor, Charles A., Worcester, Mass. Toy. 1,852,300; Apr. 5.
Grosvenor, Graham B., Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 1,840,315; Jan. 12.
Gross, Charles O., Wilkes-Barre, Pa. Apparatus for generating fuel fumes. 1,869,621; Nov. 29.
Gross, Karoly, New York, N. Y. Bookmark. 1,862,573; June 14.
Grot, Anton, Brentwood Heights, Calif. Photographic stage setting. 1,890,053; Dec. 6.
Grot, Anton, Brentwood Heights, Calif. Photographic stage setting. 1,890,054; Dec. 6.
Grote, Edwin R., Wimbledon, London, England. Electric incandescent lamp and holder thereof. 1,885,481; Nov. 1.
Grotelueschen, Emma, Leigh, Nebr. Rug and mattress cleaning rack. 1,846,860; Feb. 23.
Groth, Edward, assignor to Logan Co., Louisville, Ky. Life roller curve for conveyers. 1,846,390; Feb. 23.
Groth, John H., Beaver Falls, Pa. Ash receptacle. 1,883,723; Oct. 18.
Groth, William H. (See Wynd, C. L. A., and Groth.)
Grothe, Arthur A., Oak Park, assignor to W. J. Cameron, Chicago, Ill. Safety razor motor structure. 1,846,100; Feb. 23.
Grothe, Arthur A., Oak Park, assignor to W. J. Cameron, Chicago, Ill. Oscillatory motor for electrically operated safety razors. 1,846,101; Feb. 23.
Grothe, Arthur A., Oak Park, assignor to W. J. Cameron, Chicago, Ill. Electrically operated razor. 1,848,170; Mar. 8.
Grothe, Ernest F. H., Philadelphia, Pa. Connecter puller for storage batteries. 1,883,800; Nov. 22.
Grove, Roy H., Vandergrift, Pa. Roll polishing rig. 1,891,152; Dec. 13.
Grove, Sydney H. (See Sandeman, E. K., Thomas, and Grove.)
Grotfey, Ivan W., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Gap closing device for latch rings of knitting machines. 1,859,137; May 17.
Grotnes, Carl C., Park Ridge, Ill. Method of and machine for rolling annular metallic articles. 1,855,858; Apr. 12.
Grotte, Oswald I., Hunter, N. Dak. Hasp. 1,848,624; Mar. 8.
Grounds, Fred A., assignor of fifty-five per cent to Commercial National Bank of Shreveport, La., Shreveport, La. Wheeled excavating scoop and scraper. 1,839,847; Jan. 5.
Groupe, Andrew V. (See Brenizer, Orson W., assignor.)
Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,849,102; Mar. 22.
Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,864,104; June 21.
Grove, Chester L., Frederick, Md. Artificial bait. 1,873,577; Aug. 23.
Grove, Donald C., and J. C. Burns, Big Springs, Tex. Well drill. 1,869,892; Aug. 2.
Grove, Frank H., and A. L. Heron, Columbiana, assignors to National Rubber Machinery Company, Akron, Ohio. Tire building machine. 1,841,584; Jan. 19.
Grover, Jess E., Midwest, Wyo. Force feed lubricator. 1,853,765; Apr. 12.
Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Wrapping machine. 1,849,005; Mar. 8.
Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Method of and apparatus for folding wrappers around tablets. 1,885,543; Nov. 1.
Grover, May F. (See Felty, Franklin L., assignor.)
Grover, William A., Bristol, Vt. Trap for catching wild bees. 1,864,431; June 21.
Groves, David W., Coeur D'Alene, Idaho. Boiler tube cleaner. 1,889,859; Dec. 6.
Groves, James A., Albemarle, N. C. Yarn twisting device. 1,867,664; July 19.
Groves, James S., San Diego, Calif. Concrete building construction. 1,863,981; June 21.
Grubb, Arthur W. (See Howard, Judson D., assignor.)
Grubbs, Lyle D., Hinsdale, Ill. Bird figure. Des. 88,734; Dec. 20.
Grube, Arthur W., Kansas City, Kans. Attachment for platform scales. 1,875,235; Aug. 30.
Grube, Johannes A., Leipzig, assignor to the Firm Leipziger Tangier-Werk Aktiengesellschaft, Leipzig-Plagwitz, Germany. Apparatus for the spraying and atomizing of melted substances such as paraffin, wax, or the like. 1,840,897; Jan. 12.
Grube, Lester E., and D. F. Warner, Lynn, and F. R. Ericson, Beverly, Mass., assignors to General Electric Company. Turbine installation. 1,888,078; Nov. 15.
Gruber, Alfred J., Atlanta, Ga. Heel protector or shield. 1,841,027; Jan. 12.

Gruber, Clarence E., assignor to The Macomber Steel Company, Canton, Ohio. Form for making fireproof floor constructions. 1,864,045; June 21.
Gruber, Edward L. (See Walker, Clarence P., assignor.)
Gruber, Karl, Gladbach-Rheydt, Germany. Chuck for holding a mandrel stem. 1,865,314; June 28.
Gruber, Louis, assignor to I. P. Schwenger, New York, N. Y. Dispensing device. 1,846,484; Feb. 23.
Gruber, William R., assignor to "Health" Ray Mfg. Co., Inc., New York, N. Y. Arc lamp. Des. 86,369; Mar. 1.
Grubman, Leo J., Bell Harbor, assignor to Margon Corporation, New York, N. Y. Eye mounting for dolls. 1,852,301; Apr. 5.
Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sound producing device. 1,883,724; Oct. 18.
Gruenberg, Josef, et al. (See Brandenburg, Hermann, assignor.)
Gruenberg, Josef, and F. A. Scheu, Gesellschaft mit beschraenkter Haftung. (See Brandenburg, Hermann, assignor.)
Gruenhagen, Raoul J., San Francisco, Calif. Blanking folding boxes. 1,876,666; Sept. 13.
Gruenewald, Eugene J., assignor to Ross Gear & Tool Company, Lafayette, Ind. Machine for cutting spirally grooved cams. 1,871,174; Aug. 9.
Gruenfeldt, Emil, Cleveland, Ohio. Shock absorber. 1,859,220; Mar. 15.
Gruenhagen, William H., St. Paul, Minn. June bug bait. 1,854,027; Apr. 12.
Gruenhagen, William H., St. Paul, Minn. Spoon bait with offset. 1,854,028; Apr. 12.
Grueter, William B. (See Langill, R. E., and Grueter.)
Grueter, John R., Cleveland, Ohio, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle-charging mechanism. 1,859,238; May 17.
Grueter, John R., Cleveland, Ohio, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle cleaning apparatus. 1,870,503; Aug. 9.
Grueter, John R., Cleveland, Ohio, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle handling mechanism. 1,870,504; Aug. 9.
Grulich, Anton, Glen Ridge, N. J., assignor to William Willimek Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,646; Dec. 13.
Grulich, Anton, Glen Ridge, N. J., assignor to William Willimek Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,647; Dec. 13.
Gruman, Horace F., St. Louis, Mo., assignor to Lewis Invisible-Stitch Machine Company, Kittery, Me. Sewing machine. 1,866,645; July 12.
Gruman, Horace F., St. Louis, Mo., assignor to Lewis Invisible-Stitch Machine Company, Kittery, Me. Sewing machine. 1,866,646; July 12.
Gruman, Horace F., assignor to Lewis Invisible-Stitch Machine Company, St. Louis, Mo. Making French seams. 1,866,647; July 12.
Gruman, Horace F., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Combined seaming and pinking machine. 1,891,308; Dec. 20.
Gruman, Lloyd B., Newark, N. J. Pump. 1,868,498; July 26.
Grumbach, Harry, assignor to Simon Ascher & Co., Inc., New York, N. Y. Beret. 1,890,055; Dec. 6.
Grunauer, Walter, New York, N. Y. Artist's kit. 1,876,091; Sept. 6.
Grumman, Leroy R., Port Washington, N. Y. Support for machine guns and the like. 1,851,576; Mar. 29.
Grumman, Leroy R., Port Washington, N. Y. Retractable landing gear for airplanes. 1,859,624; May 24.
Grummert, Ernest C., Pirmouth, Nebr. Air inlet for tanks. 1,856,184; May 3.
Grunauer, Bernhard P., Cleveland, Ohio. Smoking device. 1,845,264; Feb. 16.
Grünberg, Josef, Berlin, Germany. Printing and impressing press. 1,868,387; July 19.
Grünberg, Otto, Vienna, Austria, assignor to Actiengesellschaft C. P. Goerz Optische Anstalt, Actiova Spoleconost P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Range finder. 1,869,417; Aug. 2.
Grund, Fletcher D., assignor to The American Swiss Company, Toledo, Ohio. Door fastener. 1,852,008; Apr. 5.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,852,009; Apr. 5.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,864,533; June 28.
Grunder, Friedrich, Munchenstein, near Basel Switzerland. Making fibrous insulating products. 1,876,221; Sept. 6.
Grundon, John P., assignor to Sargent Machine Company, Fort Dodge, Iowa. Sprag attachment for wheeled trucks. 1,840,666; Jan. 12.
Grundy, Arthur Wigan, and F. Dawber, Upholland, England. Telescopic or extensible table. 1,874,509; Aug. 30.
Grune, Max, Pirmasens, Germany. Machine for working the heel-seat of shoes, boots, and the like. 1,840,444; Jan. 12.
Grune, Max, Pirmasens, Germany. Binding together two or more layers of leather, more particularly for the manufacture of boots and shoes. 1,891,412; Dec. 20.
Gruner, J. K., Lumber Company. (See Gruner, Jay K., assignor.)
Gruner, Jay K., assignor to J. K. Gruner Lumber Company, St. Louis, Mo. Jointed lumber. 1,859,667; May 24.
Grunow, Arthur C. (See Laucus, J., and Grunow.)
Grunwald, Albert C., Chicago, Ill. Dispensing device. 1,871,175; Aug. 9.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Ash receptacle. 1,852,610; Apr. 5.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Ash receptacle. 1,865,902; July 5.
Grunwald, Albert C., assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings bank. 1,880,181; Nov. 1.
Grunwaldt, Frank E., Seattle, Wash. Furnace fan and filter. 1,841,314; Jan. 12.
Grunwaldt, Frank E., Seattle, Wash. Combination furnace. 1,879,932; Sept. 27.
Grünwald, Erich, Berlin-Wilmersdorf, Germany. Tobacco moistening device. 1,841,889; Jan. 19.
Grupe, William B., Lyndhurst, N. J. Applying indicia to cellophane and the like. 1,892,392; Dec. 27.
Grupe, William F., Lyndhurst, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Cork padding for ironing machines. 1,873,578; Aug. 23.
Gruschke, Georg, Berlin-Wilmersdorf, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Loud speaker with actuating systems of different types. 1,889,748 Dec. 6.
Gruschka, Theodor. (See Kohn, K., and Gruschka.)
Gruss, Francis J., et al., trustees. (See Gruss, Francis K., assignor.)
Gruss, Francis K., Redwood City, assignor to L. Abadie, Berkeley, C. J. Gruss, and F. K. Gruss, trustees, Redwood City, Calif. Vacuum brake. 1,875,723; Sept. 6.
Grüss, Heinz, Berlin-Staaken, and B. Thiede, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for the determination of the contents of combustible gases in gas mixtures. 1,888,984; Nov. 29.
Gruss, Lucien K., Cleveland, Ohio. Shock absorber. 1,841,287; Jan. 12.
Grutzmacher, H. A., et al. (See Strosnider, Luther, assignor.)
Gruver, Perry F., Gruver, Tex. Bearing. 1,865,100; June 28.
Gruver, Perry F., Gruver, Tex. Grain pan and grain shoe. 1,859,387; May 17.
Grypma, Theodore J., and M. Meulenberg, Grand Rapids, Mich. Sanitary toilet seat dispenser. 1,867,506; July 12.
Gschwind, Leon, Youngstown, Ohio. Manhole cover. 1,850,455; Mar. 22.
Gstalder, Francis P., Lakewood, Ohio. Holder for sign characters. 1,860,399; June 7.
Gstyr, Joseph. (See Wildhaber, Ernest, assignor.)
Gstyr, Joseph. (See Wildhaber, E., and Gstyr.)
Gstyr, Joseph, assignor to Gleason Works, Rochester, N. Y. Cutter grinding machine. 1,841,244; Jan. 12.
Gstyr, Joseph, Rochester, and E. Wildhaber, Brookiyn, N. Y. Automatic dimming device. 1,881,531; Oct. 11.
Guaranteed Parts, Inc. (See Dodge, S. O., and Malafey, assignors.)
Guaranteed Parts, Inc. (See Livermore, Homer F., assignor.)
Guaranteed Parts, Inc. (See Newton, R. C., and Dodge, assignors.)
Guardian Metals Company. (See Coles, Henry L., assignor.)
Guardian Metals Company. (See Lynn, H. H., and Coles, assignors.)
Guardian Safety Seal Company. (See Fabrice, Edward H., assignor.)
Guardian Trust Company, executor. (See Andrews, Benjamin.)
Guardian Trust Company, The, trustee. (See Gibson, Milne, assignor.)
Guardian Trust Company, The, trustee. (See Page, John E., assignor.)
Guardian Trust Company, The, et al., executors. (See Wilderson, Clinton G., assignor.)
Guastavino, Alberto M. (See Sueta, J., and Guastavino.)
Guay, Joseph V., assignor to Superior Coal Combustion Company, Haverhill, Mass. Grate. 1,889,548; Nov. 29.
Gubelmann, Ivan. (See Goodrich, R. J., and Gubelmann.)
Gubelmann, Ivan, C. O. Henke, and H. R. Lee, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Industries, Inc. Preparing abietic acid. 1,846,639; Feb. 23.
Gubelmann, Ivan, and H. R. Lee, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Industries, Inc. Vacuum distilling wood resin. 1,846,681; Feb. 23.
Gubelmann, Ivan, and C. O. Henke, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Industries, Inc. Refining wood resin. 1,846,721; Feb. 23.
Gubelmann, Ivan, and C. O. Henke, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Abietene sulphonic acids and preparing them. 1,853,348; Apr. 12.

Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, and W. L. Rintelman, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Anthraquinone body and preparing same. 1,870,249; Aug. 9.

Gubitz, Werner H. A., assignor to Packard Motor Car Company, Detroit, Mich. Radiator shell. Des. 86,715; Apr. 12.

Gubler, Hans. (See de Montmollin, G., Gubler, and Spieler.)

Gudgen, Josephine A. (See Gudgen, R. W. and J. A.)

Gudgen, Royal W. and J. A., Fort Lauderdale, Fla. Doll. Des. 87,114; June 7.

Gudka, Elmer E., Detroit, Mich. Dirt-receiving receptacle for vacuum cleaners. 1,855,672; Apr. 26.

Guedry, Hale, South Houston, Tex., assignor of one-eighth to B. D. Frazier. Well nipper. 1,850,711; May 31.

Guehring, Eugen. (See Hazedorn, M., and Guehring.)

Guenard, José L. M., Ponce, Porto Rico. Token receptacle for buttons and bars. 1,858,550; May 3.

Guenard, José L. M., Ponce, Puerto Rico. Pneumatic tire. 1,886,094; Nov. 1.

Guenther, Arthur R., and H. S. Toole, Buffalo, assignors, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Adjustable cake holder. 1,870,954; Aug. 9.

Guenther, Gottfried, San Francisco, Calif. Tooth paste holder and dispenser. 1,854,147; Apr. 12.

Guenther, Henry L., Los Angeles, Calif. Can packer. 1,884,666; Oct. 25.

Guenther, Henry L., Los Angeles, Calif. Vacuum double seaming machine. 1,884,667; Oct. 25.

Guenther, Max. (See Kuss, E., and Guenther.)

Guenther, John C., assignor to A. B. Gwerrant, New York, N. Y. Hailtone screen. 1,858,011; May 10.

Guérard, Jules R., Bagnolet, France. Engraving. 1,850,929; Mar. 22.

Guérin, Georges J. V., Asnieres, France. Arrangement for fixing monograms or decorative designs on box covers. 1,849,211; Feb. 23.

Guérin, Gérard, Paris, France. Electrical commutator machine. 1,880,388; Oct. 4.

Guerin, Gloria. (See Pfum, C., and Guerin.)

Guerin, Paul J., assignor, by mesne assignments, to Mack Sennett Color Film Co., Ltd., Los Angeles, Calif. Printing machine for cinematograph films. 1,880,087; Sept. 27.

Guerlter, Charles, Passaic, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Can heading machine. 1,858,357; May 10.

Guerlain Perfumery Corporation of Delaware. (See Guerlain, Raymond, assignor.)

Guerlain, Raymond, New York, N. Y., assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del. Bottle. Des. 87,342; July 12.

Guernsey, Fay H., assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Titration method and tablet therefor. 1,840,445; Jan. 12.

Guerra, Albert A., London, England. Duster, towel, and similar cleaning device. 1,847,046; Feb. 23.

Guerra, Albert A., London, England. Hand blotting appliance. 1,847,047; Feb. 23.

Guerra, Ferruccio. (See de Luce, G., and Guerra.)

Guerra, Manuel G., Laredo, Tex. Boll weevil exterminating machine. 1,849,425; Mar. 15.

Guerrant, Anna S. (See Guerrant, John L., assignor.)

Guerrant, John L., assignor of one-half to Guerrant, Long Beach, Calif. Fastener. 1,846,421; Feb. 23.

Guerrilich, Frederick C., Guilford, Conn. Auxiliary brake-operating mechanisms for motor vehicles. 1,875,865; Sept. 6.

Guertin, Alfred E., jr. (See Guertin, Alfred E., sr., and A. E., jr.)

Guertin, Alfred E., sr., and A. E., jr., Kellogg, Idaho. Car brake. 1,866,767; July 12.

Guertler, William M., Berlin, Germany, assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Recovering alumina from silicious materials containing it. 1,868,499; July 26.

Guertler, William M., Berlin, Germany, assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Recovering alumina from coal and its ashes. 1,873,642; Aug. 23.

Guertler, William M., Berlin, Germany, assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Making Portland cement from coal ashes. 1,874,186; Aug. 30.

Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,860,893; May 31.

Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,869,360; Aug. 2.

Guest, Francis G., Seattle, Wash. Vehicle jack. 1,842,604; Jan. 26.

Guest, Ward E., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Milk tank. 1,868,826; July 26.

Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Securing means for electrical connecters. 1,866,407; July 5.

Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Switch handle. 1,871,605; Aug. 16.

Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Snap switch. 1,878,843; Sept. 20.

Gueux, Joseph J. M., Ivry-sur-Seine, France. Liquid distributor. 1,850,322; Mar. 22.

Guggenheim Brothers. (See Gleason, G. H., and Loonam, assignors.)

Guggenheim, Constant, assignor to Cooper-Gee Limited, London, England. Cinematograph projector. 1,861,496; June 7.

Guggenheim, Max M., Saginaw, Mich., and G. R. Baker, Willesden, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Confectionery. 1,859,205; May 17.

Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery drying form. 1,846,102; Feb. 23.

Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Drying form. 1,846,103; Feb. 23.

Gugler Lithographic Company. (See Schmidt, H. F., and Jung, assignors.)

Gulin, Michael M., Aberdeen, S. Dak. Educational appliance. 1,842,165; Jan. 19.

Guhl, Maclyn, assignor to Moss-Still, Inc., New York, N. Y. Textile fabric. Des. 88,536; Dec. 6.

Guhl, Maclyn, assignor to Moss-Still, Inc., New York, N. Y. Textile fabric. Des. 88,537; Dec. 6.

Gühring, Eugen. (See Hagedorn, M., and Gühring.)

Gulbeaud, Georges, Perpignan, France. Stringed musical instrument. 1,864,690; June 28.

Gulberson Corporation, The. (See Crickmer, Charles S., assignor.)

Gulberson Corporation, The. (See Crippen, Frederick N., assignor.)

Gulberson Corporation, The. (See Gulberson, William R., assignor.)

Gulberson Corporation, The. (See Hubbard, William E., assignor.)

Gulberson Corporation, The. (See Lang, Charles E., assignor.)

Gulberson Corporation, The. (See Standlee, Harvey R., assignor.)

Gulberson Diesel Engine Company. (See Thabeld, Feri A., assignor.)

Gulberson, William R. (See Crippen, Frederick N., assignor.)

Gulberson, William R., Los Angeles, Calif., assignor to The Gulberson Corporation, Dallas, Tex. Oil well packer. 1,842,780; Jan. 26.

Gulbert, Francis W., Detroit, Mich. Mechanical treatment of steel. 1,845,744; Feb. 16.

Guide Lamp Corporation. (See Mead, Howard C., assignor.)

Guide Lamp Corporation. (See Michel, Clarence A., assignor.)

Guide Lamp Corporation. (See Turnquist, Edward, assignor.)

Guidetti, Ferruccio, Elmhurst, and G. Bontempi, assignors to The Watairway Manufacturing Corporation, New York, N. Y. Sanitary water-closet attachment. 1,866,930; July 12.

Guidetti, Ferruccio, Elmhurst, Long Island, and G. Bontempi, New York, assignors to The Watairway Manufacturing Corporation, New York, N. Y. Flushing arm for sanitary water closet attachments. 1,872,278; Aug. 16.

Guidetti, Ferruccio, Elmhurst, and G. Bontempi, New York, assignors to The Watairway Manufacturing Corporation, New York, N. Y. Sanitary bowl with hydraulic drier. 1,837,679; Nov. 15.

Guidice, Menotti, et al. (See Foti, Charles, assignor.)

Guilfre, Gaetano. Washington, D. C. Shoe stretcher. 1,839,317; Nov. 29.

Guilbert, Louis P. (See Lemaire, M. H., and Guilbert, assignors.)

Guilbert, Paul, Rouen, and J. Legrand, St. Maude, France. Plant for loading and unloading wagons. 1,879,203; Sept. 27.

Guild, Edward M., Brookline, Mass. Flask. 1,846,720; Feb 23.

Guild, Lurelle, New York, N. Y., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Coffee pot or similar article. Des. 86,671; Apr. 5.

Guild, Lurelle, New York, N. Y., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Pitcher. Des. 88,227; Nov. 8.

Guild, Lurelle, New York, N. Y., and J. K. Matter, New Kensington, Pa., assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Tea kettle. Des. 88,228; Nov. 8.

Guild, Waldo J. (See Heald, R. N., Guld, Burns, and Garono.)

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,856,185; May 3.

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,859,737; May 24.

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Workhead. 1,881,522; Oct. 11.

Guild, Waldo J., and A. P. Burns, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,837,194; Nov. 24.

Guilden, Ira. (See Robland, Curt J., assignor.)

Guilden, Ira. (See Stein, Samuel H., assignor.)
Guilds, Samuel A., et al. (See Smith, Richard F., assignor.)
Guillaudeu, Arthur, assignor to Swift & Company, Chicago, Ill. Fatty compositions. 1,845,709; Feb. 16.
Guillaume, Henry C. (See Pratt, L. D., and Guillaume.)
Guillissen, Joseph, assignor to Union Chimique Belge, Societe Anonyme, Brussels, Belgium. Production of ammonium phosphates. 1,879,294; Sept. 27.
Guimette, Joseph, St. Felicien, Quebec, Canada. Differential. 1,871,052; Aug. 9.
Guimette, Joseph, St. Felicien, Quebec, Canada. Differential. 1,883,725; Oct. 18.
Guimont, Joseph W., Lachine, Quebec, Canada. Radiator. 1,881,436; Oct. 4.
Guimont, Joseph W., Lachine, assignor to Heating Systems Limited, Montreal, Quebec, Canada. Water heater. 1,881,278; Oct. 20.
Guinot, Henri M. (See Ricard, E., and Guinot.)
Guinot, Henri M. (See Ricard, E., Savarit, and Guinot.)
Guinle, Henri M., Melle, assignor to Societe Anonyme des Distilleries des Deux-Sevres, Melle, Deux Sevres, France. Manufacture of acetal. 1,850,836; Mar. 22.
Guinot, Henry E., Cleb, near Verdun-sur-Doubs, France. Automatic switch with membrane. 1,855,959; Apr. 26.
Guinzburg, Edwin A. (See Henry, Beulah L., assignor.)
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Belting. 1,840,945; Jan. 12.
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Show card. 1,880,088; Sept. 27.
Guiriato, Emilio, et al. (See Romera, Manuel, assignor.)
Guiriato, Emilio. (See Romera, Manuel, assignor.)
Guiriato, Ettore. (See Romera, Manuel, assignor.)
Guiterrez, Anthony, et al. (See Wickwire, Arthur M., jr., assignor.)
Gulba, Stanley F., Shamokin, Pa. Traction device. 1,844,758; Feb. 9.
Guldager, Walter E., assignor of one-half to Lawrence C. Oak, Detroit, Mich. Adjustable boring tool. 1,881,523; Oct. 11.
Guldemann, Arnold, assignor to I. A. Hall & Co., Paterson, N. J. Shuttle. 1,867,146; July 12.
Gulesian, Selden J., Revere, Mass. Adjustable rail fitting. 1,864,554; June 28.
Gulf Pipe Line Company of Oklahoma. (See Hunter, James N., assignor.)
Gulf Production Company. (See Chenault, Roy L., assignor.)
Gulf Production Company. (See Forney, S. G., and Borling.)
Gulf Production Company. (See Gill, S., and McGary, assignors.)
Gulf Production Company. (See McGary, S. U., Rogers, and Gill, assignors.)
Gulf Production Company. (See Rogers, Walter F., assignor.)
Gulf Production Company. (See Tompkins, Harry K. V., assignor.)
Gulf Production Company. (See Tucker, John H., assignor.)
Gulf Production Company. (See Wyckoff, Ralph D., assignor.)
Gulf Refining Company. (See Buerger, Charles B., assignor.)
Gulf Refining Company. (See Henderson, Herbert, assignor.)
Gulf Refining Company. (See Houghton, Alfred M., assignor.)
Gulf Refining Company. (See Livingstone, Clarence J., assignor.)
Gulf Refining Company. (See McAfee, Almer McD., assignor.)
Gulf Refining Company. (See Smith, Herschel G., assignor.)
Gulf Refining Company. (See Souther, B. L., and Greene, assignors.)
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Musical instrument case. 1,855,232; Apr. 26.
Gulick, Edward J., Elkhart, Ind. Engine lubricating device. 1,890,984; Dec. 13.
Gulick, Seeley C., Champaign, Ill. Fuel feeding device. 1,866,031; May 24.
Gull, Adolf Ewald, London, England. Manufacture of artificial silk. 1,885,256; Nov. 1.
Gullander, Nils H., assignor to the Firm C. & S. Clementson, Malmo, Sweden. Engine fuel. 1,889,474; Nov. 29.
Gulledge, James O., Santa Ana, Calif. Dusting and spraying machine. 1,846,198; Feb. 23.
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Gullette, Willis. (See Herthel, E. C., and Gullette.)
Gullette, Willis S., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Coking heavy oils. 1,872,938; Aug. 23.
Gullicksen, Ole, assignor to Churchill Cabinet Company, Chicago, Ill. Telephone booth. 1,885,432; Nov. 1.
Gulliford, Archibald T., administrator. (See Gulliford, Nicholas L.)
Gulliford, Nicholas L., deceased, Peabody; A. T. Gulliford, administrator, assignor to Gulliford Wood Heel Company, Lynn, Mass. Woodworking machine. 1,892,651; Dec. 27.
Gulliford Wood Heel Company. (See Gulliford, Nicholas L., assignor.)
Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,841,117; Jan. 12.
Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grid-glow tube regulator. 1,875,761; Aug. 23.
Gulotta, Charles. (See Heribauer, J. J., and Gulotta.)
Gulyban, John P., Bedford, Ohio, assignor, by mesne assignments, to Tropic Aire, Incorporated, Minneapolis, Minn. Water circulating system for automobiles. 1,878,496; Sept. 20.
Gump, B. F., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Drum brake. 1,864,509; June 21.
Gunan, Eugene, Medias, Rumania. Mechanical integrating instrument. 1,887,593; Nov. 15.
Gumina, Angelo J., and G. T. Overing, jr., New Orleans, La. Mechanical game. 1,860,490; May 31.
Gump, B. F., Co. (See Berry, E. G., and Woodhead, assignors.)
Gump, B. F., Company. (See Naeher, Paul, assignor.)
Gumpert, Augustus. (See Meade, Francis J., assignor.)
Gumpert, S., Co. Inc. (See Janover, Daniel W., assignor.)
Gundel, Franz, Jersey City, N. J. Collapsible umbrella. 1,839,309; Jan. 5.
Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringers. 1,840,316; Jan. 12.
Gundersen, Einar, and H. Lahn, Oslo, Norway. Method of manufacturing screws with one or two appending washers. 1,868,415; July 19.
Gunderson, Norris E., St. Louis, Mo. Pumping system. 1,857,854; May 24.
Gundry, Eldon F., Flint, assignor to General Motors Corporation, Detroit, Mich. Luggage rack. 1,853,608; Apr. 12.
Gun-Fil Corporation. (See Battle, John R., assignor.)
Gunn, Charles H., Burlingame, Calif. Resilient rail car wheel. 1,840,898; Jan. 12.
Gunn, Charles H., Burlingame, Calif. Paper folding machine. 1,858,621; May 17.
Gunn, Charles H., Burlingame, Calif. Spotting rack for pool balls. 1,867,552; Nov. 15.
Gunn, Charles H., Burlingame, Calif. Resilient rail car wheel. 1,888,499; Nov. 22.
Gunn, Charles H., Burlingame, Calif. Safety wing for airplanes. 1,891,261; Dec. 20.
Gunn, Charles H., San Francisco, assignor to Aircraft Specialties Company, San Mateo, Calif. Airplane propeller. 1,867,822; July 19.
Gunn, Damon M., Fort Williams, Me. Valve closure. 1,879,205; Sept. 27.
Gunn, Earl G., Racine, assignor to The Nash Motors Company, Kenosha, Wis. Brake. 1,851,357; Mar. 29.
Gunn, Earl G., Racine, assignor to The Nash Motors Company, Kenosha, Wis. Brake. 1,873,389; Aug. 23.
Gunn, Earl G., Racine, assignor to The Nash Motor Company, Kenosha, Wis. Brake. 1,889,093; Nov. 29.
Gunn, Earl G., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Vibration dampener for crank shafts. 1,861,390; May 31.
Gunn, Fred M., assignor of one-half to P. Barboglio, El Paso, Tex. Stock car door. 1,877,238; Sept. 13.
Gunn, Fred W., Boston, Mass. Tool for applying wire hose clamp. 1,860,284; May 24.
Gunn Furniture Company. (See Rickson, Gustaf C., assignor.)
Gunn, James B., Windsor, Ontario, Canada, assignor to Edward N. Sturdevant and George M. Jenkins, Detroit, Mich. Dispensing apparatus. 1,882,812; Oct. 18.
Gunn, Ross, Washington, D. C. Control apparatus. 1,860,285; May 24.
Gunn, Ross, Washington, D. C. Temperature responsive condenser. 1,862,331; June 14.
Gunn, Ross, Washington, D. C. Induction compass. 1,886,336; Nov. 1.
Gunn, Ross, Washington, D. C. Electromechanical coupling device. 1,887,713; Nov. 15.
Gunnarsson, Enoch C., Brooklyn, N. Y. Smoking pipe. 1,864,432; June 21.
Gunnerson, Carl, assignor to Union Special Machine Company, Chicago, Ill. Folder support for sewing-machine. 1,849,757; Mar. 15.
Gunnison, Foster, Bronxville, N. Y., assignor to Cox, Nostrand & Gunnison, Inc., Brooklyn, N. Y. Chandelier. Des. 86,452; Mar. 8.
Gunnison, Foster, Bronxville, assignor to Cox, Nostrand & Gunnison, Inc., Brooklyn, N. Y. Chandelier. Des. 87,745; Sept. 13.
Gunnison, Foster, Bronxville, N. Y., assignor to Cox, Nostrand, and Gunnison, Inc. Chandelier. 1,876,667; Sept. 13.
Gunnison, Stanley E., New York, N. Y. Collapsible tube support. Des. 88,288; Nov. 15.
Gunsaulus, Alfred C. Akron, Ohio. Tire. Des. 86,771; Apr. 19.
Gunsaulus, Alfred C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 88,780; Dec. 27.
Gunsaulus, Alfred C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 88,781; Dec. 27.
Gunter, James E., Baltimore, Md. Slip top container and process therefor. 1,847,528; Mar. 1.

Gunther, Clarence A., Schenectady, N. Y., assignor to General Electric Company, Nonmicrophonic support for vacuum tubes. 1,860,173 ; May 24.

Günther, Fred, Perm, Ill. Silo set. 1,872,735 ; Aug. 23.

Günther, Fritz. (See Münz, 2, Keller, and Günther.)

Günther, Fritz, F. Teller, C. Immerheiser, and B. Zschimmer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Emulsifying agent. 1,843,420 ; Feb. 2.

Günther, Fritz, P. Lange, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, I. N. C., New York, N. Y. Manufacture of coloring matters and dyeings therewith. 1,843,670 ; Feb. 2.

Günther, Fritz, K. Vierling, and W. Pungs, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Disinfectant and preserving agent. 1,851,007 ; Mar. 29.

Günther, Fritz, C. Schuster, and J. Hetzer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wetting and cleaning agents. 1,853,414 ; Apr. 12.

Günther, Fritz, C. Schuster, and J. Hetzer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wetting, cleaning, and emulsifying agents. 1,853,415 ; Apr. 12.

Günther, Fritz, and J. Hetzer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphonated condensation products of polyglycols and aromatic hydrocarbons and producing same. 1,872,736 ; Aug. 23.

Gunther, William H., San Francisco, Calif. Golf bag support. 1,837,885 ; Nov. 15.

Gunzel, R., et al. (See Diggins, Thomas L., assignor.)

Günzler, Heinrich, and A. Moré, Elberfeld, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Preparing phenyl mercuric acetate. 1,879,206 ; Sept. 27.

Gupwell, Alfred P., Birmingham, England. Steel or metal mesh for reinforcing concrete asphalt and like material. 1,879,207 ; Sept. 27.

Gurley, W. & L. E. (See Egy, Willard L., assignor.)

Gurley, W. & L. E. (See Egy, Willard L., assignor.)

Gurné, Jean, Rouen, France. Gauge-recording device for wire-drawing machines. 1,889,893 ; Dec. 6.

Gurnee, Isaac Q., Butler, and J. Collector ring for magnetos. 1,860,626 ; May 24.

Gurnee, Isaac Q., Butler, and W. Hopper, Bloomingdale, assignors to Superior Hard Rubber Company, Butler, N. J. Mold for forming hard rubber articles. 1,849,571 ; Mar. 15.

Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Switch throwing device. 1,843,766 ; Feb. 2.

Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Nozzle for rock dusters. 1,852,649 ; Apr. 5.

Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Feed wheel. 1,871,516 ; Aug. 16.

Gurney Elevator Company. (See Gale, Ernest L., assignor.)

Gurney Elevator Company. (See Hammell, Charles E., assignor.)

Gurney, Erving R. (See Josephs, L. C., and Gurney.)

Gurney, Erving R., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Engine hood construction. 1,849,872 ; Mar. 15.

Gurney, Erving R., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Multiple transmission shaft drive for motor vehicles. 1,858,773 ; May 17.

Gurney, Erving R., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Engine hood construction. 1,882,319 ; Oct. 11.

Gurtler, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Iron-cored inductance (choke coil, transformer) for direct current loads. 1,876,451 ; Sept. 6.

Gurton, William S., J. Plint, and H. Nyberg, assignors to Dominion Truck Equipment Co., Limited, Kitchener, Ontario, Canada. Brake for truck trailers. 1,860,537 ; May 31.

Gurton, William S., J. Plint, and H. Nyberg, assignors to Dominion Truck Equipment Co., Limited, Kitchener, Ontario, Canada. Recess light for motor vehicles and trailers. 1,887,756 ; Nov. 15.

Gurwick, Irving, assignor, by mesne assignments, to Transparent Packaging & Printing Corporation, New York, N. Y. Bag and manufacture of the same. 1,848,709 ; Mar. 8.

Gurwick, Irving, assignor to Transparent Packaging & Printing Corporation, New York, N. Y. Multicolor printing on transparent cellulose paper and product resulting from the same. 1,867,314 ; July 12.

Gurwick, Irving, assignor, by mesne assignments, to Transparent Packaging & Printing Corporation, New York, N. Y. Intaglio printing. 1,867,405 ; July 12.

Gurwick, Irving, assignor, by mesne assignments, to Transparent Packaging & Printing Corporation, New York, N. Y. Bag making. 1,877,456 ; Sept. 13.

Gury, J. B. Mfg. Co. (See Gury, John B., jr., assignor.)

Gury, John B., jr., assignor to J. B. Gury Mfg. Co., St. Louis, Mo. Punching machine. 1,884,668 ; Oct. 25.

Gusdorf, Harold M., Indianapolis, Ind. Dispensing device. 1,869,685 ; Aug. 2.

Gusdorf, Harold M., Indianapolis, Ind. Paste-like dispenser. 1,876,452 ; Sept. 6.

Gusdorf, Harold M., Indianapolis, Ind. Dispenser. 1,879,208 ; Sept. 27.

Gusie, Fred W. (See Blackburn, Guy W., assignor.)

Gussalli, Luigi, Brescia, Italy. Vehicle for undulating ground. 1,849,325 ; Mar. 15.

Gustafson, Charles J. (See Mock, F. C., Gustafson, and Chandler.)

Gustafson, David H., Evanston, Ill. Can opener. 1,865,413 ; June 28.

Gustafson, Edwin A., assignor to A. C. Spark Plug Company, Flint, Mich. Motorcycle speedometer drive. 1,848,060 ; Mar. 1.

Gustafson, George H., Chicago Heights, Ill. Ventilator. 1,846,667 ; Jan. 12.

Gustafson, Henry A., Dorchester, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Closure applying machine. 1,859,918 ; Jan. 5.

Gustafson, Hjalmer C., assignor to Gardner-Denver Company, Denver, Colo. Tool feeding apparatus. 1,844,157 ; Feb. 9.

Gustafsson, Emil G. T. (See Flodin, H. G., and Gustafsson.)

Gustafsson, Emil G. T., Stockholm, Sweden. Producing metal sponge. 1,848,710 ; Mar. 8.

Gustafsson, Emil G. T., Stockholm, Sweden. Producing metal sponge. 1,864,593 June 28.

Gustafsson, Emil G. T., Stockholm, Sweden. Producing metal sponge. 1,871,848 ; Aug. 16.

Gustafsson, Hans G., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Guarding device. 1,831,524 ; Oct. 11.

Gustavenson, Joseph C., assignor to B. E. Madden, New York, N. Y. Air tread sole. 1,852,883 ; Apr. 5.

Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Party row cover. 1,850,873 ; Mar. 22.

Gustavson, Charles, Woodside, E. Van Hoofstadt, and L. Greenbaum, assignors to Lion Match Co., New York, N. Y. Machine and method for making book matches. 1,870,955 ; Aug. 9.

Gustin, Antone, Oconto Falls, Wis., assignor to Continental Paper & Bag Corporation, New York, N. Y. Diffuser. 1,860,836 ; May 31.

Gustin-Bacon Manufacturing Co. (See Anderson, Harley E., assignor.)

Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Incandescent electric lamp. 1,856,247 ; May 3.

Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Lamp base. 1,865,468 ; July 5.

Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electrical vacuum device. 1,871,366 ; Aug. 9.

Gustin, Daniel S., East Orange, N. J., assignor to Westinghouse Lamp Company. Filament mounting for incandescent lamps. 1,869,559 ; Aug. 2.

Gustin, Max, New York, N. Y. Footwear. 1,877,724 ; Sept. 13.

Gustine, Harry, et al. (See Davis, Donald P., assignor.)

Gutberlet, Charles J., Philadelphia, Pa. Frame for telephone instrument numbers. 1,845,747 ; Feb. 16.

Gutberlet, Charles J., Philadelphia, Pa. Pyraline desk pad. 1,856,160 ; May 3.

Gutberlet, Charles J., Philadelphia, Pa. Machine for treating pyraline envelope blanks. 1,877,728 ; Sept. 13.

Guth, Edwin F., Webster Groves, Mo. Reflector for lighting fixtures. Des. 97,464 ; Aug. 2.

Guth, Edwin F., Webster Groves, Mo. Lubricating device for motors. 1,845,084 ; Feb. 16.

Guth, Edwin F., Webster Groves, Mo. Indirect lighting fixture. 1,845,085 ; Feb. 16.

Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,865,469 ; July 5.

Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,870,194 ; Aug. 2.

Guth, Edwin F., Webster Groves, Mo. Lighting unit for reflected illumination. 1,888,103 ; Nov. 15.

Guth, Frederick A., Columbus, Ohio. Foldable door structure. 1,892,340 ; Dec. 27.

Guth, William T., Brooklyn, N. Y. Motor vehicle fender. Des. 86,165 ; Feb. 9.

Guth, William T., Brooklyn, N. Y. Combined fender and tire holder. Des. 86,166 ; Feb. 9.

Guthier Airplane Company. (See Guthier, Roy E., assignor.)

Guthier, Roy E., Chicago, Ill., assignor to Guthier Airplane Company, Airplane. 1,891,812 ; Dec. 20.

Guthrie, Charles C., Pittsburgh, Pa. Protecting surfaces. 1,865,345 ; Nov. 1.

Guthrie, George G., Tulsa, Okla. Tire pressure alarm operating means. 1,882,661 ; Oct. 18.

Guthrie, James M., et al. (See Lee, Leffman H., assignor.)

Guthrie, John, Forest Hills, assignor to J. C. Penney Company, Inc., New York, N. Y. Counter tray construction. 1,846,862 ; Feb. 23.

Guthrie, Robert G., assignor to Sun Oil Company, Philadelphia, Pa. Process and apparatus for combating oil and chemical fires. 1,876,222 ; Sept. 6.

Guthrie, Robert M., Chicago, Ill. Nonspreading staple. 1,888,261; Nov. 22.

Gutman, Jacob, executor. (See Gollomb, Herman.)

Gutman, Louis C., assignor to Independent Lock Company, Fitchburg, Mass. Antipick pin tumbler lock. 1,860,712; May 31.

Gutmann, Alwin G., Cleveland, Ohio. Knockdown and combination burial casket. 1,843,585; Jan. 19.

Gutmann, Armando, Turin, Italy. Printing cylinder for intaglio printing machines. 1,881,075; Oct. 4.

Gutmann, John Jr., St. Albans, assignor, by mesne assignments, to Motor Jack Corporation, New York, N. Y. Jacking apparatus. 1,850,203; Mar. 22.

Gutmann, John, Jr., St. Albans, assignor, by mesne assignments, to Motor Jack Corporation, New York, N. Y. Lock. 1,861,086; May 31.

Gutmann, Paul F., assignor to Mississippi Glass Company, St. Louis, Mo. Apparatus for making wire glass. 1,856,630; May 3.

Gutmann, Victor, Nuremberg, and L. Steiner, Berlin, Germany, assignors to Westinghouse Electric and Manufacturing Company. Armored cable section for sectionalized cables. 1,843,671; Feb. 2.

Gutsch, Alice, Milwaukee, Wis. Clay model protector. 1,870,005; Aug. 2.

Gutsmithl, John, et al. (See Gray, Thomas, assignor.)

Gutteridge, Joseph. (See Mahlfeld, J. E., and Gutteridge.)

Guttermuth, Friedrich, assignor to the Firm Carl Neithold A.-G., Frankfurt-on-the-Main, Germany. Photographic beliows camera for 4-cm. films. 1,856,951; Nov. 8.

Güttinger, Heinrich, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric regulator. 1,847,449; Mar. 1.

Guttinger, Heinrich, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric regulator. 1,873,963; Aug. 23.

Guttman, Harry J., Chicago, Ill., assignor to Electrical Development Corporation. Battery terminal grip. 1,861,858; June 7.

Gutzwiller, Ernst, assignor to the Firm of Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of anthraquinone derivatives. 1,836,851; Dec. 15.

Guy, Frederick M., assignor of one-half to T. G. Murton, Detroit, Mich. Universal joint. 1,840,714; Jan. 12.

Guy, Frederick M., assignor to Guy and Murton, Incorporated, Detroit, Mich. Universal joint. 1,862,140; June 7.

Guy, Harry L., assignor of one-half to H. J. Luce, Chicago, Ill. Roofing unit. Des. 86,085; Jan. 26.

Guy, Harry L., assignor of one-half to Homer J. Luce, Chicago, Ill. Rooding unit. Des. 87,057; May 31.

Guy, Ira J. (See Guy, William H., R. L., and R. E.)

Guy Motors Limited. (See Stevens, William A., assignor.)

Guy and Murton, Incorporated. (See Guy, Frederick M., assignor.)

Guy, Robert E. (See Guy, William H., I. D., and R. E.)

Guy, Sydney S., Wolverhampton, England. Front wheel drive system for motor vehicles. 1,865,881; May 3.

Guy, Sydney Slater, Wolverhampton, England. Motor vehicle. 1,868,827; July 26.

Guy, Walter W., Oak Park, Ill. Electric fireplace. 1,867,740; July 19.

Guy, William H., I. D., and R. E., Stockton, Calif. Auxiliary draw wire for newspapers. 1,863,844; June 21.

Guyé, René. (See Daine, R. L., and Guye.)

Guyer, Jesse A. (See Frey, F. E., and Guyer.)

Guyer, Jesse A. (See Frey, F. E., Guyer, and Oberfell.)

Guyer, Jesse A. (See Oberfell, G. G., and Guyer.)

Guyer, Jesse A. (See Oberfell, G. G., Guyer, and Frey.)

Guyer, Jesse A., and R. S. Durling, assignors to Phillips Petroleum Company, Bartlesville, Okla. Cracking gaseous hydrocarbons. 1,847,242; Mar. 1.

Guyer, Walter K., Spokane, Wash. Pouring can. 1,881,403; Oct. 4.

Guyot, Marius, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Automatic core chilling device. 1,847,944; Mar. 1.

Guyot, Marius, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Permanent mold. 1,864,729; June 21.

Guyot, Walter, Janesville, Wis., assignor, by mesne assignments, to Pen Desk Set Company. Desk set. 1,892,509; Dec. 27.

Guyot, Walter E., assignor to The Parker Pen Company, Janesville, Wis. Writing instrument receiving receptacle. 1,860,093; May 24.

Guyot, Walter E., assignor to The Parker Pen Company, Janesville, Wis. Mechanical pencil. 1,892,145; Dec. 27.

Guyton, Raymond E., assignor of one-half to T. R. Barks, Los Angeles, Calif. Lock. 1,851,306; Mar. 29.

Guzman, Adriana. (See Sologaistoa, Manuel H. P., assignor.)

Gwaltney, Charles, Oklahoma City, Okla. Wall and partition stove. 1,891,047; Dec. 13.

Gwinn, George W., Hewlett, and C. Arelt, assignors to American Machine & Foundry Company. Tamper for cigarette machine feeds. 1,859,965; May 24.

Gwinn, George W., Hewlett, and C. Arelt, Richmond Hill, N. Y., assignors to American Machine & Foundry Company. Packaging cigarettes. 1,885,910; Nov. 1.

Gynex Corporation. (See Beatty, Dana C., assignor.)

Gyourko, Joseph E. (See Shewsbury, assignor to Boston Pressed Metal Company, Worcester, Mass. Metal spool. 1,868,229; July 19.

Gypsum Lime and Alabastine, Canada, Limited. (See Robinson, A. V., and Thomson, assignors.)

Gypsum, Lime and Alabastine, Canada, Limited. (See Thomson, George M., assignor.)

Gyr, Joseph, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Disazo-dyestuffs and making same. 1,849,572; Mar. 15.

Gyr, Joseph, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Disazo-dyestuffs and making same. 1,849,573; Mar. 15.

Gyr, Joseph, and C. Kaiser, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuffs and process of making same. 1,867,451; July 12.

Gyro Process Company. (See Harnsberger, Audley E., assignor.)

Gyro Process Company. (See Harnsberger, A. E., and Smith, assignors.)

Gyro Process Company. (See Wagner, Cary R., assignor.)

Gyro Process Company, The. (See Wagner, Cary R., assignor.)

Gysin, Sebastian, Milwaukee, Wis. Motor control system. 1,858,622; May 17.

H & B American Machine Co. (See Jackson, John F., assignor.)

H & B American Machine Co. (See Perry, John, jr., assignor.)

H. H. Gas Plant Syndicate, The. (See Hansford, John, assignor.)

H & K Sales Company, The. (See Henning, L. G., and Rein, assignors.)

Haabestad, Erling H., assignor to Hydrol Chemical Company, Inc., Philadelphia, Pa. Tissue filler. 1,889,655; Nov. 29.

Haag, Harold C., Larned, Kans. Windshield defroster. 1,872,510; Aug. 30.

Haag, Theodore T., Long Island City, N. Y. Book filing cabinet. 1,849,521; Mar. 15.

Haag, Walter J. (See Little, C. B., and Haag.)

Haag, Walter J., assignor to the Brownell Company, Dayton, Ohio. Stoker. 1,859,297; May 24.

Haag, Walther, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalysts for the production of carbon black. 1,882,813; Oct. 18.

Haage, Konrad, and A. Pfüger, Esslingen-on-the-Neckar, Germany. Mechanical percussive tool. 1,858,707; May 17.

Haake, Julius W. (See Höppler, E. F., and Haake.)

Haake, Julius W., Dresden, assignor to The Henkel & Cie. Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Preventing the formation of lumps or clods when dissolving starch which swells in cold state. 1,855,048; Apr. 26.

Haalck, Hans, Berlin-Steglitz, assignor to the Firm: Exploration Bodenuntersuchungs & Veruertungs G. m. b. H., Berlin, Germany. Torsion balance. 1,868,010; July 19.

Haan, Gilbert J., jr., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle. 1,878,394; Sept. 20.

Haanel, Walter L. (See Hutchings, Stephen B.)

Haarer, Julius, Frankfort-on-the-Main, Germany. Cigarmaking machine. 1,842,668; Jan. 26.

Haas, Alphonse, San Bernardino, Calif. Cigar and cigarette ash protector and fire preventer. 1,868,011; July 19.

Haas, Earle C., Denver, Colo. Vaginal powder applicator. 1,878,513; Sept. 20.

Haas, Edwin K., and R. S. Durling, Baltimore, Md. Apparatus for breaking in tobacco pipes. 1,878,844; Sept. 20.

Haas, Fred. (See Einsten, S. Neuninger, and Haas.)

Haas, Fred S. (See Harrison, R. E. W., and Haas.)

Haas, Frederick S. (See Booth, C., and Haas.)

Haas, Frederick S. (See Harrison, R. E. W., Haas, and Binns.)

Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,850,892; Mar. 22.

Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,862,851; June 14.

Haas, Frederick S., Cincinnati, Ohio, assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,882,814; Oct. 18.

Haas, Frederick S., and B. A. Kearns, assignors to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,877,505; Sept. 13.

Haas, Harold, Arlington, assignor to Bendix Research Corporation. East Orange, N. J. Aircraft control apparatus. 1,873,579; Aug. 23.

Haas, Henry. (See Lipschütz, George, assignor.)

Haas, Jacob R., Chicago, Ill. Tie attachment. 1,869,251; July 26.

Haas, Joseph, Newport, Ky. Identification tag. 1,844,359; Feb. 9.

Haas, Joseph, Newport, Ky. Poultry band. 1,862,747; June 14.

Haas, Joseph F., Forest Park, Ill., assignor, by mesne assignments, to De Walt Products Corporation, Leola, Pa. Portable power driven saw. 1,854,510; Apr. 19.

Haas, Joseph F., Forest Park, Ill., assignor, by mesne assignments, to Electric Tamper & Equipment Company, Ludington, Mich. Vibrating device. 1,858,855; May 17.

Haas, Joseph F., Forest Park, assignor to Wodack Electric Tool Corporation, Chicago, Ill. Portable power driven threading machine. 1,883,728; Oct. 18.

Haas, Joseph F., Forest Park, assignor to Wodack Electric Tool Corporation, Chicago, Ill. Combined rotary and reciprocatory drill. 1,885,411; Nov. 29.

Haas, Louis W. (See Reece, W. W., and Haas.)

Haas, Louis W., and H. O. Renner, assignors, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Improving and removing the odor and/or flavor of legumes. 1,870,450; Aug. 9.

Haas, Lucien L., assignor to Buffalo Pressed Steel Co., Buffalo, N. Y. Buffer. 1,851,051; Oct. 4.

Haas, Norman. (See Naber, Claude H., assignor.)

Haas, Philip, Company. (See Volk, P., and Wuebben, assignors.)

Haas, William F., Rockaway, N. Y. Button. Des. 87,433; July 26.

Haas, William F., Rockaway, N. Y. Clasp. Des. 87,434; July 26.

Haas, William F., Rockaway, N. Y. Clasp. Des. 87,435; July 26.

Haas, William F., Rockaway, N. Y. Buckle. Des. 87,465; Aug. 2.

Haase, Arthur P., assignor to Ozone Pure Air-ifier Co., Chicago, Ill. Ozone machine. 1,841,439; Jan. 19.

Haase, Carl, Schonau, near Chemnitz, assignor to Hauboldt, A. G., Chemnitz, Germany. Machine for spinning rayon. 1,877,397; Sept. 13.

Haase, Firm Theodor. (See Malin, Richard, assignor.)

Haase, Jorgen L., Akron, Ohio. Tire trimming machine. 1,883,729; Oct. 18.

Haase, Louis. (See Van Dusen, C. A., and Haase.)

Habe, Frank J., Bridgewell, Ill. Binder and concave for thrashing machines. 1,859,138; May 17.

Habel, Wenzel, Rochester, N. Y. Artificial horizon for sextants. 1,891,641; Dec. 20.

Habelich, August H., Tinley Park, Ill. Control apparatus for air pressure pump systems. 1,850,874; Mar. 22.

Haber, David W., Bronx, N. Y. Ash tray or similar article. Des. 86,716; Dec. 19.

Haber, Eugen, Berlin-Charlottenburg, Germany. Apparatus for building iron-plate chimneys from several sections. 1,884,744; Oct. 25.

Haber, Gustav, Berlin, Germany. Dental gauge. 1,855,573; Apr. 26.

Haberl, Paul A., Denver, Colo. Fishing rod tip. 1,856,551; May 3.

Haberle, Sumner D., East Orange, assignor to Jenkins Television Corporation, Jersey City, N. J. Television method and apparatus. 1,840,446; Jan. 12.

Habermaas, Edward W., assignor to Louise H. Havermaas, Cincinnati, Ohio. Slippery mold. 1,874,511; Aug. 30.

Habermaas, Louise H. (See Habermaas, Edward W., assignor.)

Hach, Clarence A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating apparatus. 1,866,100; July 5.

Hach, Clarence A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for shaping saw teeth. 1,866,102; July 5.

Hach, Clarence A., Oak Park, and F. A. Sanborn, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Chair. 1,864,535; June 28.

Hach, Clarence A., Oak Park, and C. I. Hoag, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for shaping saw teeth. 1,866,101; July 5.

Hach, Henry J., Louisville, Ky. Pipe vise. 1,863,011; June 14.

Hachenev, Frank C., Vancouver, Wash. Headlight. 1,873,037; Sept. 20.

Hackenberg, Nafanaiel. (See Hackenberg, Stanislav, assignor.)

Hackenberg, Stanislov, assignor of one-half to N. Hackenberg, San Francisco, Calif. Turbine and attachment therefor. 1,856,631; May 3.

Hacker, Frank, Friend, Nebr. Feeding trough. 1,884,972; Oct. 25.

Hacker, Harry, New York, N. Y. Vaporizer. 1,850,076; Mar. 22.

Hacker, Harry, and C. Wallenstein, Brooklyn, N. Y. Vamp-guard. 1,844,280; Feb. 9.

Hacker, Horace W., La Grange, Ill. Producing printing plate blanks. 1,873,227; Aug. 23.

Hacker, John W., Yonkers, and T. C. Lloyd, New York, N. Y. Production of ammonium chloride from coke oven gases and the like. 1,849,923; Mar. 15.

Hacker, Louis P. (See Hacker, Wells, Hacker and Barner.)

Hacker Manufacturing Co. (See Trotter, Henry R., assignor.)

Hacker, Marcus L., J. W. Wells, L. P. Hacker, Beaumont, Tex., and L. D. Barner, Guffey, assignors, by mesne assignments, to Crausbay Supply Co. Inc., Beaumont, Tex. Throttle valve mechanism. 1,867,004; July 12.

Hacker, Philip, Brooklyn, N. Y. Combination day bed and davenport. 1,885,730; Oct. 18.

Hackett, James L., Detroit, Mich. Adjustable table extension. 1,848,475; Mar. 8.

Hackett, William F., New York, N. Y. Food working tool. 1,859,298; May 24.

Hackett, William F., New York, N. Y. Kitchen appliance. 1,891,925; Dec. 27.

Hackhofer, Ernst, Krefeld-Bockum, assignor to I. G. Farbenindustrie Aktiengeselschaft, Frankfort-on-the-Main, Germany. Working up of chromium ores. 1,865,648; July 12.

Hackspill, Louis, Strasbourg, D. Claude, Le Rainey, L. E. Andres, Wissenbourg, and A. A. Rollet, Strasbourg, France. Manufacture of potassium salts from potassium chloride. 1,892,341; Dec. 27.

Hackstedde, Herbert H., Cincinnati, Ohio. Apparatus for mixing, developing, and conditioning dough. 1,851,388; Mar. 29.

Hadanik, Frank, and N. Liberatore, Union, N. Y. Carbide rocket. 1,856,552; May 3.

Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. Re18,375; Mar. 8.

Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shank stiffener. 1,863,690; June 21.

Haddad, Abraham F., Cranbrook, British Columbia, Canada. Automobile directional indicator. 1,890,379; Dec. 6.

Haddad, Saleem J., Tenafly, N. J. Portable trimming device. 1,871,606; Aug. 16.

Haddaway, Leonard, Brooklyn, N. Y. Stropping holder for razor blades. 1,894,136; Apr. 12.

Haddaway, Vaden J. (See Mobley, R. H., Fort, and Haddaway.)

Hadden, Gavin, New York, and C. A. Holden, New Rochelle, N. Y.; said Holden assignor to said Hadden. Indoor tennis court. 1,883,731; Oct. 18.

Hadden, Lawrence F., Kansas City, Mo. Dispensing device. 1,861,528; June 7.

Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Shaft for golf clubs. 1,890,538; Dec. 13.

Haddican, William W., Springfield, Mass. Commutator undercutting tool. 1,873,939; Aug. 23.

Haddlesay, Charles S., Elmhurst, Ill. Monorail track for conveyer systems. 1,867,883; July 19.

Haddlesay, Charles S., Elmhurst, Ill. Car for monorail systems. 1,869,893; Aug. 2.

Haddock, Harvey T., Carrollton, Ill. Pipe and conduit bending machine. 1,852,515; Apr. 5.

Haddock, Joseph F., Valley Park, Mo. Apparatus for and method of spiking rails. 1,886,010; Nov. 1.

Haddow, Virgil M., Valley, Nebr. Gravel tester. 1,845,709; Feb. 16.

Haddy, Charles W., New York, N. Y. Pressure regulator. 1,859,506; May 24.

Haden, Arnim E., Galveston, Tex. Crude oil burner. 1,869,252; July 26.

Hadfield, Robert A., Westminster, and A. B. H. Clerke, Sheffield, England. Armour piercing projectile. 1,861,054; May 31.

Hadfield, Robert A., Westminster, England. Alloys. 1,863,159; June 14.

Hadley, Beryl L. (See Hadley, Clair H. and B. L.)

Hadley, Clair H. and B. L., Paonia, Colo. Automatic circuit breaker. 1,891,191; Dec. 20.

Hadley Company, The. (See Mealy, Charles A., assignor.)

Hadley, Donald L., assignor to The Tappan Stove Company, Mansfield, Ohio. Gas range. Des. 86,226; Feb. 16.

Hadley, Edwin J., Brooklyn, N. Y. Framing means for motion picture projectors. 1,876,413; Sept. 6.

Hadley, Edwin J., Brooklyn, N. Y. Talking picture projector. 1,876,668; Sept. 13.

Hadley, Egbert C., Southport, Conn., assignor to Remington Arms Company. Article spacer for packing boxes. 1,858,856; May 17.

Hadley, Harold F., assignor to Associated Parts, Inc., Toledo, Ohio. Muffler mounting. 1,890,152; Dec. 6.

Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Even balance scale. 1,882,419; Oct. 11.

Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighing scale. 1,856,704; May 3.

Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale bearing. 1,858,588; May 17.

Hadley, Newton F., Beverly Hills, and T. Franzen, Grosse Park Pointe, assignors to Chrysler Corporation, Detroit, Mich. Front spring. 1,872,445; Aug. 16.

Hadley, Walter B. (See Corcoran, E. P., and Hadley.)

Hadley, Walter B., Chicago, Ill., assignor to Kellogg-Hadley Corporation. Combination box board machine. 1,859,869; May 24.

Hadley, Walter B., Chicago, Ill., assignor to Kellogg-Hadley Corporation. Box board machine. 1,881,404; Oct. 4.

Hadley, William S., Chicago, Ill. Clutch or brake lining. 1,860,147; May 24.

Hadsel, Alvah D., San Francisco, Calif. Rock crusher. 1,854,256; Apr. 19.

Hadsel, Alvah D., San Francisco, Calif. Centrifugal rock crusher. 1,857,539; May 10.

Haeberle, Henry C., and C. T. Harrington, San Jose, Calif. Speedometer testing machine. 1,871,053; Aug. 9.

Haebler, Gerhard, Breslau, Germany, assignor of one-half to Theodore Haebler, New York, N. Y. Shedding mechanism for Jacquard looms. 1,881,076; Oct. 4.
Haebler, Theodore. (See Haebler, Gerhard, assignor.)
Haefely, Emil, Basel, Switzerland. Electrical condenser. 1,852,718; Apr. 5.
Haegele, Otto P., Berwyn, and C. Paulson, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical coils. 1,882,815; Oct. 18.
Haeger, Frank W., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Horizontal drilling machine. 1,841,065; Jan. 12.
Haehl, William G., near Manilla, Ind. Fence guard wire brace. 1,892,572; Dec. 27.
Haeuber, Walter, Berlin, Germany. Dyeing and figuring woven, knitted and plaited fabrics, leather and other materials. 1,876,052; Sept. 6.
Haeringer, Jacques Edward, Washington, D. C. Electric bread toaster. 1,868,287; July 19.
Haerry, Paul A., Scotia, N. Y. Smoke automaton. 1,860,776; May 31.
Haeuber, Hans. (See Winkler, Fritz, and Haeuber, assignors.)
Haff, Heinrich, assignor to the Firm Gebruder Haff G. m. b. H., Pfronten-Ried, Bavaria, Germany. Rulingpen. 1,886,258; Nov. 1.
Haff, Henry L., Chicago, Ill. Window latch. 1,874,098; Aug. 30.
Hafner, Louis S., and E. H Hautz, Lakewood, Ohio. Truck body construction. 1,890,257; Dec. 6.
Hafner, William F., assignor to Hafner Manufacturing Company, Chicago, Ill. Toy vehicle. 1,887,506; Nov. 15.
Hafner Manufacturing Company. (See Hafner, William F., assignor.)
Hafford, Daniel J., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel retainer. 1,839,963; Jan. 5.
Hafleigh, Gerald E. (See Hafleigh, Norman B., assignor.)
Hafleigh, William F., Philadelphia, Pa., assignor to G. E. Hafleigh, Buchanan, Va. Multiple button machine. 1,865,478; June 14.
Haga, Sojiro, Tokyo, Japan. Apparatus for heating feed water for a steam boiler. 1,861,660; June 7.
Hagan, Arthur M. (See Kurtz, Alfred W., assignor.)
Hagan, George J., Company. (See Talley, Randal E., assignor.)
Hagan, William C., Kingston, Pa. Power cylinder and piston. 1,846,104; Feb. 23.
Hage, Leonell R. (See Lowe, R. G., and Hage.)
Hage, Robert R., Minneapolis, Minn., assignor of one-half to I. O. Slette, Poplar, Mont. Resilient wheel. 1,850,204; Mar. 8.
Hagebusch, Robert, Brooklyn, N. Y. Bottle closure with means for removing the paper covers. 1,880,805; Nov. 8.
Hagedorn, Max. Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Elastic product. 1,877,854; Sept. 20.
Hagedorn, Max, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Enhancing the viscosity of technical oils. 1,882,810; Oct. 18.
Hagedorn, Max, and E. Guehring, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose esters of inorganic acids. 1,848,524; Mar. 8.
Hagedorn, Max, and A. Jung, Dessau-in-Anhalt, Germany, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Safety glass. 1,861,915; June 7.
Hagedorn, Max, and Georg Hingst, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose esters of high molecular organic acids and making the same. 1,867,942; July 19.
Hagedorn, Max, W. Ziese, and B. Reyle, Dessau-in-Anhalt, and R. Bauer, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of carbohydrate derivatives. 1,876,920; Sept. 13.
Hagedorn, Max, and E. Gühring, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preserving wood. 1,877,855; Sept. 20.
Hagedorn, Max, and E. Rossbach, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of mixed cellulose ethers. 1,877,856; Sept. 20.
Hagelin, Boris C. W., Stockholm, Sweden. Ciphering apparatus. 1,846,105; Feb. 23.
Hageman, Aaron M., Bloomfield, and A. F. Lindstrom, Nutley, N. J., assignors to Westinghouse Lamp Company. Inside coated lamp bulb. 1,864,271; June 21.
Hageman, Aaron M., Bloomfield, and A. F. Lindstrom, Nutley, N. J., assignors to Westinghouse Lamp Company. Coating bellow bodies. 1,871,367; Aug. 9.
Hageman, Ralph J., Cedar Rapids, Iowa. Gas burner. 1,843,361; Feb. 2.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Antipilfer record machine. 1,858,589; May 17.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Collating device for autographic registers. 1,870,451; Aug. 9.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold record machine. 1,872,140; Aug. 16.
Hagemeister, Jan J., and E. Jorgen-Jensen, Birmingham, England. Internal combustion engine locomotive. 1,847,510; Mar. 1.
Hagen, Albert O., Tacoma, assignor of forty-five per cent to L. O. Hagen, Seattle, Wash. Snow removing machine. 1,841,245; Jan. 12.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Fan and operating the same. 1,846,863; Feb. 23.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Method and apparatus for propelling fluids. 1,892,303; Dec. 27.
Hagen, Harold, F., Dedham, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Centrifugal fan. 1,887,573; Nov. 15.
Hagen, Harry J. (See Smith, Thomas A., assignor.)
Hagen, Johannes, Gelsenkirchen-Ueckendorf, Germany. Shaving apparatus. 1,843,720; Feb. 2.
Hagen, Leonard O. (See Hagen, Albert O., assignor.)
Hagenbach, Edward, C. Mettler, and E. Wanner, assignors to the Firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of dyeing conversion products of azo-dyestuffs. 1,850,875; Mar. 22.
Hagenböcker, Alfred. (See Krauss, K., and Hagenböcker.)
Hagenest, Hermann. (See Stauf, F. W., and Hagenest.)
Hagenest, Hermann, Leverkusen-Wiesdorf-on-the-Rhine, and F. W. Stauf, Cologne-Deutz-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing nitriles. 1,879,209; Sept. 27.
Hager, Arnulf. (See Klingl, A., and Hager.)
Hager, Charles D., Crown Point, N. Mex. Electrical screen door. 1,848,625; Mar. 8.
Hager, Floyd D. (See Klingl, A., and Hager.)
Hagerstown Bank and Trust Company, The, administrator. (See Danzer, Albert.)
Hagey, Marvin A., Los Angeles, Calif. Flush valve. 1,876,223; Sept. 6.
Hagg, Charles, and E. C. Lager, Prentice, Wis. Trackman's arch support and shoe protector. 1,872,573; Aug. 16.
Haggard, Howard W. (See Henderson, Y., and Haggard.)
Haggard & Marcusson Company. (See Vanderploeg, Henry, assignor.)
Haggard, Rodney. (See Spillman, Harry L., assignor.)
Hänzenmacher, August, Winterthur, Switzerland. Device for the wet treatment of textile products. 1,889,048; Nov. 29.
Haggerty, John, East Orange, N. J., and D. Johnston, Baldwin, N. Y. Preparing printing plates. 1,852,115; Apr. 5.
Hagie, John L. (See Ridpath, J. R., and Hagie.)
Hagiwara, Rinzo, Tokyo, Japan, assignor to General Electric Company. Feeding device for glass articles. 1,862,351; June 7.
Haglund, Gustav, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Sulphite cellulose digestion. 1,848,780; Mar. 8.
Haglund, Gustaf, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Reducing the contents of resins and fatty acids in cellulose produced by means of sulphite digestion. 1,870,452; Aug. 9.
Haglund, Hakon H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Corrector system for synchronous telegraph apparatus. 1,856,331; May 3.
Haglund, Hakon H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Automatic means for changing timing intervals. 1,874,187; Aug. 30.
Haglund, Hakon H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph carrier system. 1,882,817; Oct. 18.
Haglund, Hakon H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Direction control switch for transmission over submarine cables. 1,882,818; Oct. 18.
Haglund, Olof E. (See Borgstrom, W. M., and Haglund.)
Haglund, Ture R., Stockholm, Sweden. Production of aluminum oxide and other aluminum combinations. 1,857,844; May 10.
Haglund, Ture R., Stockholm, Sweden. Production of aluminum oxide or products containing aluminum oxide out of material containing aluminum sulphide. 1,876,453; Sept. 6.
Hagmaier, William G., West Allis, and E. C. Shaw, assignors to Allias-Chalmers Manufacturing Company, Milwaukee, Wis. Deliberizing machine. 1,887,728; Nov. 15.
Hagopian, Vaban, New York, assignor to C. W. Farrar, Buffalo, N. Y. Dressing table or similar article. Des. 58,405; Nov. 29.
Hagquist, Gustaf E. (See Rundell, R. E., and Hagquist.)
Hagsphil, Paul, Hagen, Germany, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Producing electrodes for storage batteries. 1,880,249; Oct. 4.

Hagstedt, Charles H., Valley Stream, N. Y. Coupling for outlet boxes. 1,855,447 ; Apr. 26.

Hagstrom, Carl J. and G. B. Hagstrom, Glen Cove, N. Y. Secret locking device. 1,887,016 ; Nov. 8.

Hagstrm, Gotthard E. (See Hagstrm, Carl J., and G. B.)

Hagstrom, William, Lindsborg, Kans. Force feed oil can. 1,862,083 ; June 7.

Hagstrum, Pauline H. (See Hagstrum, William A., assignor.

Hagstrum, William A., assignor to P. H. Hagstrum, Hagstrom, Ohio. Nozzle. 1,848,878 ; Mar. 8.

Hague, Alfred E. (See Keckler, C. W., and Hague.)

Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk circuit for telephone exchange systems. 1,852,747 ; Apr. 5.

Hague, Charles B., Detroit, Mich., assignor to Sun Oil Company, Philadelphia, Pa. Cooling internal combustion engines. 1,877,398 ; Sept. 13.

Hague, Morton, Chicago, Ill. Shrine. Des. 87,211 ; June 21.

Hahl, Hans, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Pyrazole derivatives. 1,879,210 ; Sept. 27.

Hahle, Herbert. (See Schiedebach, H., and Hahle.)

Hahn, Albert W., Salt Lake City, Utah. Concentration of minerals. 1,842,400 ; Jan. 26.

Hahn, Carl R., assignor. (See Margerison, A. E., and Hahn.)

Hahn, Ferdinand W., Michigan City, Ind., assignor to American Steel Foundries, Chicago, Ill. Hopper car. 1,845,658 ; Feb. 16.

Hahn, Ferdinand W., Michigan City, Ind., and J. A. Lamont, Chicago, Ill., assignors, by mesne assignments, to General Steel Castings Corporation, Eddystone, Pa. Underframe. 1,875,592 ; Sept. 6.

Hahn, Henry, Cedarhurst, N. Y. Aeroplane. 1,851,764 ; Mar. 29.

Hahn, Hugo, Charlottenburg, near Berlin, Germany, assignor to Printator G. m. b. H., Berlin, Germany. Writing and drawing pad. 1,891,414 ; Dec. 20.

Hahn, Joseph, et al. See Wood, Sidney, C., assignor.)

Hahn, Otto W., San Francisco, Calif. Compensating vehicle brake. 1,883,732 ; Oct. 18.

Hahn, Strang K., Philadelphia, Pa. Envelope. 1,870,908 ; Aug. 9.

Hahn, Theodore J. (See Connelly, D. S., and Hahn.)

Hahn, Thomas M. and K. Schneider, assignors of one-third to W. S. Webb, Lexington, Ky. Closure device. 1,849,194 ; Jan. 5.

Hähnel, Johannes, Siemsee, near Spandau, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption machine. 1,877,857 ; Sept. 20.

Hahnemann, Paul R., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Nonrepeating clutch. 1,853,706 ; Apr. 12.

Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin, Germany. System of multiple radio transmission. 1,877,858 ; Sept. 20.

Hahnemann, Walter, Berlin-Marienfelde, and R. Herzog, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhaf, Germany. Device for the quick control of voltage in dynamo-electric machine. 1,882,819 ; Oct. 18.

Hahs, James O., Sikeston, Mo. Mechanical hobbyhorse. 1,863,012 ; June 14.

Hahs, James O., Sikeston, Mo. Mechanical hobbyhorse. 1,888,763 ; Nov. 22.

Haigh, Leslie B. (See Baker, J. H. E., and Haigh.)

Haigh, Leslie B. (See Wright, E. P. G., and Haigh.)

Haigh, Leslie B. and E. E. Berger, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,881,273 ; Oct. 4.

Haight, Rex C., Grass Range, Mont. Graphic device. 1,882,282 ; Oct. 11.

Haigis, Carleton D., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Multiple unit sound amplifier. 1,849,456 ; Mar. 15.

Hail, James L., assignor of one-half to S. L. Murchison, Crockett, Tex. Machine. 1,879,211 ; Sept. 27.

Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Continuous train control systems. 1,862,409 ; Apr. 5.

Hails, Edward T., Montgomery, Ala. Individual towel cabinet. 1,874,741 ; Aug. 30.

Hailwood, Anthony J., et al. (See Davidson, A., Hailwood, Herbert, and Shepherdson.)

Hailwood, Anthony J., W. J. S. Naunton, and A. Shepherdson, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Introducing chemicals into rubber or cellulose materials. 1,867,970 ; July 19.

Hailwood, Anthony J., A. Shepherdson, and A. Stewart, Bleckley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Making colloidal dispersions of insoluble colors in organic materials. 1,863,331 ; June 14.

Hailwood, Anthony J., A. Shepherdson, and A. Stewart, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Making colloidal dispersions of insoluble colors. 1,863,332 ; June 14.

Hailwood, Anthony J., A. Shepherdson, and A. Stewart of Bleckley, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Manufacture of emulsions. 1,873,580 ; Aug. 23.

Hain, Heinrich, Berlin, Germany. Fruit picker. 1,844,158 ; Feb. 9.

Haines, George D., Park Ridge, Ill., assignor, by mesne assignments, to Porcelain Tile Corporation, Chicago, Ill. Tiled wall or the like. Re18,376 ; Mar. 8.

Haines, George E., assignor to L. H. Gilmer Company, Philadelphia, Pa. Buoyant bathing belt. 1,856,632 ; May 3.

Haines, George E., Philadelphia, Pa., assignor to L. H. Gilmer Company. Combination bathing suit bag, air pillow, and air float or buoy. 1,864,648 ; June 28.

Haines, George E., Philadelphia, Pa., assignor to L. H. Gilmer Company. Buckle for belts, straps, or the like. 1,868,828 ; July 26.

Haines, George H., Caledonia, assignor to The Grain Machinery Company, Marion, Ohio. Mixing apparatus. 1,849,187 ; Mar. 15.

Haines, George H., Caledonia, assignor to The Grain Machinery Company, Marion, Ohio. Conveyer apparatus. 1,882,820 ; Oct. 18.

Haines, Harold L. (See Langford, G. W., and Haines.)

Haines Hosiery Mills, Inc. (See Paget, Harold F., assignor.)

Haines Hosiery Mills, Inc. (See Tebo, Wilbur I., assignor.)

Haines, John R., Tabernacle, assignor to Arrow Safety Device Company, Inc., Mount Holly, N. J. Switch mechanism. 1,853,268 ; Apr. 12.

Haines, Lawrence G., sr., Glassboro, N. J. Grinding attachment for lawn-mowers. 1,850,324 ; Mar. 22.

Haines, Stacey A., Kansas City, Mo. Coffee maker. 1,882,140 ; Oct. 11.

Haines, Stacey A., assignor of one-half to H. F. Spencer, Kansas City, Mo. Beverage brewing device. 1,845,019 ; Feb. 16.

Haines, Stacey A., assignor of one-half to H. F. Spencer, Kansas City, Mo. Beverage brewing device. 1,845,020 ; Feb. 16.

Haines, Stacey A., assignor of one-half to H. F. Spencer, Kansas City, Mo. Fluid transmitting means for cooking and brewing utensils. 1,860,094 ; May 24.

Haines, Stacey A., Chicago, Ill., assignor of one-half to Harold F. Spencer, Kansas City, Mo. Fluid flow control means for cooking utensils. 1,882,821 ; Oct. 18.

Haines, Thomas G., Dayton, Ohio. Device for removing obstructions from drain pipes and for like purposes. 1,842,166 ; Jan. 19.

Haines, William T., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,846,516 ; Feb. 23.

Haines, William T., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,879,711 ; Sept. 27.

Hainlen, Adolf, Geislingen-Steige, Germany. Apparatus for cooking or frying. 1,879,212 ; Sept. 27.

Hainlen, Adolf, Geislingen-Steige, Germany. Reinforcing thin-walled metal articles. 1,886,396 ; Nov. 8.

Hainlen, Adolf, assignor to the Firm Württembergische Metallwarenfabrik Aktiengesellschaft, Geislingen-Steige, Germany. Steam cooking pot. 1,846,964 ; Feb. 23.

Hainsworth, Sydney B., assignor to J. H. Fenner & Company, Ltd., Kingston-upon-Hull, England. Multiple ply textile fabrics. 1,886,244 ; Nov. 1.

Hainsworth, William R., New Haven, Conn., assignor, by mesne assignments, to Priedaire Corporation. Refrigerating apparatus. 1,873,390 ; Aug. 23.

Haire, Frank S. (See Gallman, C. E., Harshaw, and Haire.)

Haire, George W., Chicago, Ill., assignor to King Luminaire Company. Lantern. 1,886,542 ; Nov. 8.

Haish, Louis, St. Paul, and F. M. Henry, Minneapolis, Minn. Counterbalanced vehicle storage elevator. 1,873,391 ; Aug. 23.

Haiss, George, Manufacturing Co. Inc. (See Bosworth, William H., assignor.)

Hait, James M., jr., Bell, assignor to E. M. Smith, Los Angeles, Calif. Connecting rod and coupling. 1,858,670 ; Mar. 29.

Hajdu, Alex, Hoovers ville, Pa. Toy. 1,882,822 ; Oct. 18.

Hajek, Michael W. (See Pettit, K. D., Wicks, and Hajek.)

Hajek, Otto, assignor to A. Friedmann, Vienna, Austria. Driving mechanism of lubricating pumps. 1,866,206 ; July 5.

Hakanson, Alfred. (See Cornine, M., and Hakanson.)

Hake, William C., St. Louis, Mo. Attachment for sewing machines. 1,849,797 ; Mar. 15.

Hakim, Joseph C., Hoboken, N. J. Producing multi-color printing rolls. 1,866,103 ; July 5.

Hakim, Nicholas R., New York, N. Y. Shoe covering with cross-lace ornamentation. Des. 86,956 ; May 17.

Hakim, Nicholas R., New York, N. Y. Shoe covering with zigzag-lace ornamentation. Des. 86,957 ; May 17.

Hakim, Nicholas R., New York, N. Y. Shoe covering with single-lace ornamentation. Des. 86,958 ; May 17.

Hala, Charles, Toronto, Ontario, Canada. Portable dressing cabinet. 1,889,033; Nov. 29.
Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Process and apparatus for making sheet glass. 1,383,734; Oct. 18.
Halbasch, Gerald K., Chicago, Ill. Photographic lens shade. 1,848,879; Mar. 8.
Halberstadter, Juda, Elizabeth, N. J. Support for flowerpots and the like. 1,852,650; Apr. 5.
Halbriter, Percy H., Los Angeles, Calif. Game board. Des. 66,313; May 10.
Haldeman, Virgil K. (See Stanbrough, Roy G., assignor.)
Haldeman, William S. (See Hale, William J., assignor.)
Halden, Andrew A., Seattle, Wash. Sawdust burner. 1,840,668; Jan. 12.
Halden, Frank E., Minneapolis, Minn. Anchorage device. 1,849,949; Mar. 8.
Hale, Alfred, Rubber Company. (See Cutler, David A., assignor.)
Hale, Alfred T. C., assignor of one-half to A. G. Parker & Company Limited, Birmingham, England. Spout for oil drums, cans, fire extinguisher, and the like. 1,842,869; Jan. 26.
Hale, Arthur B., Tampa, Fla. Fruit processing apparatus. 1,843,509; Feb. 2.
Hale Brothers Limited. (See Hale, Harry R., assignor.)
Hale, Clarence F., Syracuse, N. Y. Garbage can cabinet. 1,866,649; July 12.
Hale, Edwin D., Oak Park, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Carbon dioxide drum valve. 1,872,574; Aug. 16.
Hale, Frank C. (See Dickie, W. A., and Hale.)
Hale, Frank C. (See Drefus, H., and Hale.)
Hale, George C., U. S. Army, Dover, N. J. Delay powder. 1,877,127; Sept. 13.
Hale, Harold E., Somerville, and W. A. Watson, Malden, Mass. Pneumatic reproducing typewriting mechanisms. 1,874,212; Aug. 30.
Hale, Harry R., assignor to Hale Brothers, Limited, Montreal, Quebec, Canada. Electrical socket. 1,856,248; May 3.
Hale, John C., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Electrode. 1,843,510; Feb. 2.
Hale, John C., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Cable terminal. 1,869,475; Aug. 2.
Hale & Kilburn Co. (See Bell, Alfred B., assignor.)
Hale & Kilburn Co. (See Hansen, Conrad T., assignor.)
Hale Marine Corporation. (See Hale, Warren L., assignor.)
Hale, Stephen H., Kansas City, assignor to Gleaner Combine Harvester Corporation, Independence, Mo. Combine harvester. 1,853,809; Apr. 12.
Hale, Stephen H., Kansas City, and W. H. Worthington and T. N. Pierson, Independence, assignors to The Gleaner Combine Harvester Corporation, Independence, Mo. Apparatus for harvesting corn. 1,882,823; Oct. 18.
Hale, Warren L., East Hartford, Conn., assignor to Hale Marine Corporation, New York, N. Y. Hull structure. 1,885,198; Nov. 1.
Hale, William R., Ambler, assignor to R. H. Beaumont Company, Philadelphia, Pa. Mast band. 1,844,650; Feb. 9.
Hale, William E., assignor to Webster Manufacturing Company, Midland, Mich. Effecting organic reactions in aqueous media at high temperatures. 1,868,140; July 19.
Hale, William J., Midland, Mich. Preparation of acyl halides. 1,850,205; Mar. 22.
Hale, William J., Midland, Mich. Preparation of organic acid anhydrides. 1,863,788; June 21.
Hale, William J., Midland, Mich., and W. S. Haldeman, Monmouth, Ill. Method of controlling the accumulation of aldehydes in the formation of organic acids from primary alcohols. 1,868,704; July 26.
Hale, William J., and J. W. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenol. 1,882,824; Oct. 18.
Hale, William J., and J. W. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of hydroxy aromatic compounds. 1,882,825; Oct. 18.
Hale, William J., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenol. 1,882,826; Oct. 18.
Hale, William S., assignor to Webster Manufacturing Company, Chicago, Ill. Loader for skip hoist buckets. 1,868,319; July 19.
Hale, Willis W., Cleveland, Ohio. Method of and apparatus for popping corn. 1,839,671; Jan. 5.
Hales, Henry W., Ridgewood, N. J. Making coffee. 1,847,715; Mar. 1.
Haley-Cate-Rockwood Company. (See Rockwood, A. W., assignor.)
Haley, Kenneth R., Beaver Falls, Pa., assignor to General Electric Company. Electric lamp. Des. 88,782; Dec. 27.
Haley, Kenneth W. (See Smith, W. M., and Haley.)
Haley, Martin C., Detroit, Mich. Calendar. 1,846,551; Feb. 23.
Halizite Corporation. (See Hawerlander, Adolph, assignor.)
Halkyard, Harold. (See Dickie, W. A., and Halkyard.)
Hall, Ada P., Hallsville, Ill. Tattoo marker. 1,853,416; Apr. 12.
Hall, Agnes H., Oakland, Calif. Combination vanity case. 1,866,162; July 5.
Hall, Akos J., Cleveland, Ohio. Stairway. 1,862,958; June 14.
Hall, Alfred, Chicago, Ill. Adjustable shoring. 1,848,476; Mar. 8.
Hall, Allen E., Newport News, Va. Motor vehicle direction indicator signal. Des. 67,570; Aug. 16.
Hall, Archibald J., assignor to The Silver Springs Bleaching & Dyeing Company Limited, Congleton, England. Dyeing cellulose acetate silk in fast black shades. 1,851,507; Mar. 29.
Hall, Arthur, Oak Park, assignor to Yaxley Manufacturing Company, Chicago, Ill. Resistance unit. 1,876,921; Sept. 13.
Hall, Arthur E., Perth Amboy, N. J. Lead refining apparatus. 1,840,946; Jan. 12.
Hall, Arthur G., Chicago, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for gauging articles. 1,851,173; Mar. 29.
Hall, Arthur J., Appleton, Wis. Comparator. 1,859,035; May 17.
Hall, Benjamin H., Parkersburg, W. Va. Ash tray. 1,873,120; Aug. 23.
Hall, Benjamin J., London, England. Cooling apparatus. 1,857,721; May 10.
Hall, Benjamin J., London, England. Vapor lamp apparatus. 1,873,352; Aug. 23.
Hall, Bicknell, Atlantic, assignor to Hall Co., Boston, Mass. Transmission mechanism. 1,843,083; Jan. 26.
Hall, Bicknell, Gloucester, Mass., assignor to Frosted Foods Company, Dover, Del. Refrigerating apparatus. 1,887,127; Nov. 8.
Hall-Brown, Archibald, Purley, and E. W. Jones, Lincoln, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchange device. 1,850,378; Mar. 22.
Hall-Brown, Archibald, Purley, and E. W. Jones, Lincoln, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Airship mooring means. 1,853,404; Apr. 12.
Hall, C. M., Lamp Company. (See Bamford, Frank L., assignor.)
Hall, C. M., Lamp Company. (See Martinek, Alois L., assignor.)
Hall, Carlos E., Red Mountain, Calif. Electric welding tong. 1,865,005; June 28.
Hall, Carlyle, Seattle, Wash. Egg yolk separator. Des. 87,152; June 14.
Hall, Charles, Cobleskill, N. Y. Vehicle brake testing appliance. 1,847,511; Mar 1.
Hall, Charles G., assignor to Automatic Food Machinery Corporation, Boise, Idaho. Dishwashing machine. 1,864,064; June 21.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Conduit holding device. 1,873,881; Aug. 23.
Hall, Charles L., and R. F. Walters, Detroit, Mich., assignors to United-Carr Fastener Corporation, Cambridge, Mass. Separable snap fastener and installation thereof. 1,873,880; Aug. 23.
Hall, Charles S., Los Angeles, Calif. Propeller drive mechanism. 1,861,975; May 26.
Hall, Charles S., Los Angeles, Calif. Aircraft propelling mechanism. 1,868,976; July 26.
Hall, Charles W., Larchmont, N. Y. Seamless hollow metallic section and making the same. 1,839,919; Jan. 5.
Hall, Charles W., Larchmont, N. Y. Riveted joint. 1,857,754; May 10.
Hall, Charles W., Buffalo, N. Y. Metallic construction for aircraft and the like. 1,847,959; Mar. 1.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Circuit controller. 1,851,246; Mar. 29.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Circuit controller. 1,851,508; Mar. 29.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Automatic time switch. 1,879,213; Sept. 27.
Hall, Chester I., Philadelphia, Pa., assignor to General Electric Company. Traffic signal controller. 1,851,247; Mar. 29.
Hall, Chester I., Philadelphia, Pa., assignor to General Electric Company. Traffic signal controller. 1,874,513; Aug. 30.
Hall, Chester I., Philadelphia, Pa., assignor to General Electric Company. Electric heating. 1,875,236; Aug. 30.
Hall, Chester I., Philadelphia, Pa., assignor to General Electric Company. Mechanical relay. 1,883,735; Oct. 18.
Hall, Chester I., Philadelphia, Pa., assignor, by mesne assignments, to General Electric Company. Mixing valve. 1,891,926; Dec. 27.
Hall, Clarence A., Philadelphia, Pa. Lead oxide powder and making the same. 1,888,823; Nov. 22.
Hall, Clarence L., Okmulgee, Okla. Leer stacker. 1,853,417; Apr. 12.
Hall Co. (See Hall, Bicknell, assignor.)

Hall & Connolly, Inc. (See Hall, Theodore, assignor.)
Hall, Conway A., Healdsburg, Calif. Gauge cleaning device. 1,849,293; Mar. 15.
Hall, Edwin S., New Haven, Conn., assignor to Michell-Crankless Engines Corporation, New York, N. Y. Power transmission mechanism. 1,891,927; Dec. 27.
Hall, Edwin S., Arlington, E. W. Blue, Auburndale, and R. E. Phillips, East Weymouth, assignors to Sterling Engineering and Manufacturing Corporation, Hyde Park, Mass. Water level control. 1,853,859; Apr. 12.
Hall, Elbert J., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Internal combustion engine. 1,875,444; Sept. 6.
Hall, Elbert J., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Internal combustion engine. 1,875,724; Sept. 6.
Hall, Ernest A., assignor to The Columbia Burner Company, Toledo, Ohio. Gas burner. 1,874,968; Aug. 30.
Hall, Ernest A., assignor to The Columbia Burner Company, Toledo, Ohio. Gas controlling device. 1,874,969; Aug. 30.
Hall, Ernest A., assignor to The Columbia Burner Company, Toledo, Ohio. Gas burner spud. 1,874,970; Aug. 30.
Hall, Ernest A., assignor to The Columbia Burner Company, Toledo, Ohio. Gas controlling means. 1,885,433; Nov. 1.
Hall, Ernest A., and G. E. Burns, assignors to The Columbia Burner Co., Toledo, Ohio. High and low flame control for gas burners. 1,874,971; Aug. 30.
Hall, Everett J., New York, N. Y., assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Method and material for cleaning drain pipes and for other uses. 1,859,036; May 17.
Hall, Everett J., assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Baking molded pieces. 1,878,182; Sept. 20.
Hall, Frank A. (See Bronish, George M., assignor.)
Hall, Frank E., Boise, Idaho. Conveyer for self serving stores. 1,843,280; Feb. 2.
Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Process and apparatus for continuous filtration. 1,874,972; Aug. 30.
Hall, Frank W., Port Arthur, Tex., and V. N. Jenkins, Elizabeth, N. J., assignors to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,867,566; July 19.
Hall, Fred W. (See Pullen, F. W., and Hall.)
Hall, Fred W., E. Johnson, and W. R. Hall, Sapulpa, Okla., assignors to Twist Bit Co. 1,849,924; Mar. 15.
Hall, Frederick E., North Easton, Mass., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Hand-operated air pump and the like. 1,882,827; Oct. 18.
Hall, Frederick R., Arncliffe, near Sydney, New South Wales, Australia. Apparatus for cutting metal bars. 1,850,010; Mar. 15.
Hall, Frederick W., assignor to Hall Telephone Accessories (1928) Limited, London, England. Coin controlled vending machine. 1,848,626; Mar. 8.
Hall, George F., Newark, N. J., assignor to The Boye Needle Company, Chicago, Ill. Combination bevel, squaring, and leveling device. 1,871,176; Aug. 9.
Hall, George L. (See Black, E. W., and Hall.)
Hall, George S. and R. G., London, England. Masking for cinematograph and like screens. 1,852,528; Oct. 18.
Hall, George W., Wilkinsburg, Pa. Lubricator. 1,864,195; June 21.
Hall, Harold A., Los Gatos, Calif. Adjustable pitch propeller. 1,857,755; May 10.
Hall, Harry A., assignor to The Hoosier Manufacturing Company, Newcastle, Ind. Extension top table. 1,861,565; June 7.
Hall, Harry G., Atlanta, Ga. Guiding and folding attachment for paper box machines. 1,868,572; July 26.
Hall, Horace C., Littleover Derby, and T. F. Bradbury, Derby, assignors to Rolls Royce Limited, Derby, England. Aluminum alloy. 1,871,607; Aug. 16.
Hall, Horace W., Newton, Mass. Apparatus for routing. 1,846,199; Feb. 23.
Hall, Howard. (See Weinhart, H. W., and Hall.)
Hall, Howard, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relief picture viewing screen. 1,882,829; Oct. 18.
Hall, I. A. & Co. (See Guldeman, Arnold, assignor.)
Hall, Iphus H., Winnipeg, Manitoba, Canada. Liquid egg grading machine. 1,860,358; May 31.
Hall, James D., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Candle lamp. 1,842,167; Jan. 19.
Hall, James H., assignor to E. E. Smith Glass Company, Mount Pleasant, Pa. Vase. Des. 87,058; May 31.
Hall, John, West Springfield, Mass. Aeroplane. 1,842,669; Jan. 26.
Hall, John, West Springfield, Mass. Aeroplane. 1,852,927; Apr. 5.
Hall, John B. (See Cox, A. E., and Hall.)
Hall, John H., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Heat treatment of cold shaped manganese steel articles. 1,851,903; Mar. 29.
Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,852,010; Apr. 5.
Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,882,830; Oct. 18.
Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,882,831; Oct. 18.
Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,882,833; Oct. 18.
Hall, Joseph M., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft gear. 1,882,832; Oct. 18.
Hall, Lee, assignor to Claude Neon Federal Company, Chicago, Ill. Refracting luminous tubes. 1,858,497; May 17.
Hall, Lincoln E., Philadelphia, Pa. Hypodermic syringe. 1,848,711; Mar. 8.
Hall, Lindsay S., New Bedford, Mass., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord fabric. 1,875,445; Sept. 6.
Hall, Lloyd A., Chicago, and E. E. Mortell, Kankakee, Ill., assignors, by mesne assignments, to J. W. Mortell Company. Asphalt emulsion and manufacture thereof. 1,882,834; Oct. 18.
Hall, Louis M., Fort Thomas, Ky., assignor to The Monarch Tool & Manufacturing Company, Cincinnati, Ohio. Package opener. 1,891,090; Dec. 13.
Hall & McChesney, Inc. (See Myers, Don D., assignor.)
Hall Manufacturing Co. (See Rickey, Jesse J., assignor.)
Hall, Norman, Lyndhurst Grove, Low Fell, England. Electromagnet. 1,881,077; Oct. 4.
Hall, Vernon G. (See Hall, Wilbur G. and N. G.)
Hall, Preston M., Worcester, Mass., assignor to American Chain Company, Inc. Tread structure for antiskid chains. 1,889,094; Nov. 29.
Hall, Ralph G. (See Garber, L. H., Hall, and Blackwood, assignors.)
Hall, Randolph F., Rochester, N. Y. Airplane. 1,841,804; Jan. 19.
Hall, Randolph F., Rochester, N. Y. Airplane. 1,846,965; Feb. 23.
Hall, Randolph F., Rochester, N. Y. Airplane. 1,869,253; July 26.
Hall, Randolph F., Rochester, N. Y. Airplane. 1,875,593; Sept. 6.
Hall, Randolph F., Rochester, N. Y. Airplane. 1,890,035; Dec. 6.
Hall, Richard E., Olean, N. Y., assignor, by mesne assignments, to Arwy-Ware Corporation. Form for felting fibrous receptacles. 1,853,349; Apr. 12.
Hall, Robert, Lockport, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y. Expansion joint. 1,852,516; Apr. 5.
Hall, Robert F., Edgbaston, Birmingham, England. Machine for the manufacture of hollow blown glass articles. 1,862,264; June 7.
Hall, Robert G. (See Hall, George S. and R. G.)
Hall, Roy B., Hammond, Ind. Press construction. 1,861,391; May 31.
Hall, Samuel H., Toms River, N. J., assignor of one-half to J. A. Ryerson, jr., Brooklyn, N. Y. Radio program exhibitor. 1,883,789; June 21.
Hall, Samuel L., Bellefontaine, Ohio. Weeder tooth and mount. 1,840,899; Jan. 12.
Hall Telephone Accessories (1928) Limited. (See Hall, Frederick W., assignor.)
Hall, Theodore, assignor to Hall & Connolly, Inc., New York, N. Y. Combined spot and flood light. 1,850,103; Mar. 22.
Hall, W. F., Printing Company. (See Kusch, Roy P., assignor.)
Hall, Walter T., Glencoe, Ill., assignor to E. B. Badger & Sons Company, Boston, Mass. Distilling. 1,882,568; Oct. 11.
Hall, Washington I., assignor to James H. Billington Company, Philadelphia, Pa. Shuttle. 1,885,823; Nov. 1.
Hall, Wilbur G. and N. G., Port Angeles, Wash.; said Norman G. Hall assignor to said Wilbur G. Hall. Pump jack. 1,890,781; Dec. 13.
Hall, William A., Marignane, France. Protective paper for agricultural or horticultural uses. 1,870,110; Aug. 2.
Hall, William & Company Limited. (See Wharrad, Lionel A., assignor.)
Hall, William B. (See Blahut, Otto, assignor.)
Hall, William E., Monroe, Mich., assignor to F. M. Longnecker, Delta, Ohio. Automatic carton packing machine. 1,857,082; May 3.
Hall, William R. (See Hall, F. W., Johnson, and W. R. Hall.)
Halladay, John F., and M. E. Holy, assignors to Container Corporation of America, Chicago, Ill. Carton. 1,878,882; Aug. 23.
Hallam, Cecil A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for separating materials. 1,873,393; Aug. 23.
Hallam, Cecil A., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for separating materials. 1,873,394; Aug. 23.

Hallam, Cecil A., and R. Palmer, Chicago, Ill., assignors to Western Electric Company, incorporated, New York, N. Y. Method of and apparatus for separating materials. 1,873,395; Aug. 23.

Hallatt, Harry H., Windsor, Ontario, Canada. Parlor golf game. 1,882,569; Oct. 11.

Hallberg, Ernest L., and H. J. Ryan, Palms Station, Calif. Spreader for fertilizers, seeds, and the like. 1,887,017; Nov. 8.

Hallden, Frederick G. (See Verdam, G. S., and Halden.)

Hallden, Frederick G., Jamaica, assignor to Postal Telegraph-Cable Company, New York, N. Y. Radio printing telegraph system. 1,864,303; June 21.

Hallden, Frederick G., Jamaica, assignor to International Communications Laboratories, Inc., New York, N. Y. Single line repeater. 1,868,705; July 26.

Hallden, Frederick G., Jamaica, assignor to International Communications, Inc., New York, N. Y. Single line repeater. 1,868,706; July 26.

Hallden, Frederick G., Jamaica, assignor to International Communications Laboratories, Inc., New York, N. Y. Relay receiving circuit for carrier telegraph signals. 1,872,940; Aug. 23.

Hallden, Frederick G., Jamaica, assignor to Postal Telegraph-Cable Company, New York, N. Y. Telegraph system. 1,873,833; Aug. 23.

Hallden, Karl W., Thomaston, Conn., assignor, by mesne assignments, to Steel and Tubes, Inc. Apparatus for measuring and severing moving articles. 1,844,573; Feb. 9.

Halle, Hiram J., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Process apparatus for treating hydrocarbon oils. 1,852,748; Apr. 5.

Halstead, Mervil, assignor to The Exact Weight Scale Company, Columbus, Ohio. Automatic scale. 1,845,146; Feb. 16.

Halstead, Mervil, assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,845,147; Feb. 16.

Halstead, Mervil, and T. B. Flanagan, assignors to The Exact Weight Scale Company, Columbus, Ohio. Dashpot for weighing scales. 1,861,270; May 31.

Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor system. 1,864,132; June 21.

Hallen, Morris. (See Wilson, A. R., Seeman, and Hallen.)

Hallenbeck, George E., assignor to Baker Brothers, Inc., Toledo, Ohio. Hydraulic feed for machine tool heads. 1,846,391; Feb. 23.

Hallenbeck, George E., assignor to Baker Brothers, Inc., Toledo, Ohio. Hydraulic table feed mechanism. 1,861,497; June 7.

Hallenbeck, George E., assignor to Baker Brothers, Inc., Toledo, Ohio. Control maintenance in hydraulic transmission. 1,873,396; Aug. 23.

Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Trolley bucket installation. 1,848,009; Mar. 1.

Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Combined indicator and limit switch actuator. 1,867,452; July 12.

Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Switch control mechanism. 1,877,171; Sept. 13.

Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Electrical control means for trolley buckets. 1,880,539; Dec. 4.

Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Traversing hoist. 1,890,679; Dec. 13.

Hallenbeck, Clarence W., Ex Keller, O. D., and Hallene.)

Haller, Arnold, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Tap changing switch and system. 1,867,147; July 12.

Haller, Arthur C. (See Root, Harry F., assignor.)

Haller, Charles W. (See Braddock, W. J., Bruhn, and Haller.)

Haller, Charles W. (See Braddock, W. J., and Haller.)

Haller, Charles W., assignor to Wheeling Bronze Casting Company, Wheeling, W. Va. Pickling apparatus for rods, tubes and bars. 1,859,085; May 17.

Haller, Frank J., and C. B. Molter, assignors to Stover Manufacturing & Engine Company, Freeport, Ill. Windmill lubrication system. 1,839,549; Jan. 5.

Haller, Josef. (See Bauer, W., Haller, and Rösch.)

Haller, Josef. (See Ramm, H., and Zeh.)

Haller, Josef. (See Glietenberg, E., Neelmier, and Haller.)

Haller, Josef, Leverkusen-Wiesdorf, and G. Rösch, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of water soluble azo dyestuffs. 1,855,289; Apr. 26.

Haller, Josef, Wiesdorf-on-the-Rhine, E. Glietenberg, Leverkusen-on-the-Rhine, and W. Hentrich, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing preparation. 1,832,561; Oct. 11.

Haller, Oskar. (See Laska, L., and Haller.)

Haller, Oskar. (See Laska, L., and Haller, assignors.)

Haller, Paul, Lawrence, Kans. Automobile radiator ornament. Des. 86,227; Feb. 16.

Haller, Robert. (See Bommer, M., Haller, and Pool.)

Haller, Robert Riehen, near Basel, assignor to firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of dyeings on textiles. 1,874,099; Aug. 30.

Haller, Robert, Riehen, near Basel, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Producing fast tints on the fiber. 1,875,446; Sept. 6.

Haller, Robert, Riehen, near Basel, and A. Heckendorn, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Textile containing allyl ethers of cellulose and making same. 1,879,742; Sept. 27.

Haller, Robert, Riehen, near Basel, and A. Heckendorn, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff containing cellulose residues and making same. 1,879,743; Sept. 27.

Haller, Robert, Riehen, near Basel, and A. Heckendorn, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Cellulose derivatives containing nitrogen and making same. 1,892,489; Dec. 27.

Hallerberg, Theodore W., assignor to Lubrication Devices Incorporated, Buffalo, N. Y. Pump for lubricating systems and the like. 1,886,397; Nov. 8.

Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic valve operating mechanism. 1,872,141; Aug. 16.

Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Lubricating system. 1,872,279; Aug. 16.

Hallett, Joseph L. (See McCauley, G. C., and Hallett.)

Hallgren, Arthur G., Montclair, N. J., assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 87,406; Aug. 2.

Hallgren, Emil, Des Plaines, Ill. Edge-guided scribing gage. 1,847,491; Mar. 1.

Hallibburton, Erle P., Duncan, Okla. Airplane control. 1,847,088; Mar. 1.

Hallibburton, Erle P., Los Angeles, Calif. Method and apparatus for cementing wells. 1,860,669; May 31.

Halliday, Alonzo L., assignor of one-half to A. L. Williams, Ventura, Calif. Motor vehicle control device. 1,887,839; Nov. 15.

Hallinan, Edward L., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire casing conveyer. 1,871,608; Aug. 16.

Hallitt, William, Huddersfield, England. Continuous discharge centrifugal machines. 1,882,283; Oct. 11.

Hallowell, George P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 1,872,280; Aug. 16.

Hallwell, George P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic cathode. 1,882,384; Oct. 11.

Hallman, Harold E., Forest Hills, assignor to International Paper Company, New York, N. Y. Bag making machinery. 1,887,655; Nov. 15.

Hallock, Bert C. (See Davis, Stephen J., assignor.)

Halloran, Ralph A., and W. H. Shiffler, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Forming coke from mineral hydrocarbons. 1,867,823; July 19.

Halloran, Ralph A., Berkeley, M. L. Chappell, Los Angeles, and J. H. Osmer, Pasquindo, assignors to Standard Oil Company of California, San Francisco, Calif. Producing low boiling point oils or motor fuel from hydrocarbon oils by the employment of metallic halides. 1,872,446; Aug. 16.

Hallot, Paul, Paris, France. Brake adjusting mechanism. 1,847,716; Mar. 1.

Hallowell, Clifton C., Lansdowne, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental operative instrument. 1,869,913; Feb. 9.

Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Bench. 1,843,814; Feb. 2.

Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Portable sign frame. 1,858,152; May 10.

Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Drawer support for workbenches. 1,866,464; July 5.

Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Truck. 1,879,214; Sept. 27.

Hallquist, Einar G. (See Frede, C. F., and Hallquist.)

Hallquist, Einar G. (See Howard, K. S., and Hallquist.)

Hallquist, Einar G. (See Pfiager, H. M., and Hallquist.)

Hallquist, Einar G., Edwardsville, assignor to General Steel Castings Corporation, Granite City, Ill. Railway tank car underframe. 1,875,594; Sept. 6.

Halls, Henry M., Los Angeles, Calif. Moisture straining press mat. 1,844,289; Feb. 9.

Hallward, Michael, Pasadena, Calif. Child's toy chest. Des. 88,538; Dec. 6.

Hallward, Michael, Pasadena, Calif. Child's toy chest. Des. 88,539; Dec. 6.

Hallward, Michael, Pasadena, Calif. Child's chair. Des. 88,540; Dec. 6.

Hallward, Michael, Pasadena, Calif. Child's chest of drawers. Des. 88,541; Dec. 6.

Hallward, Michael, Pasadena, Calif. Child's play table. Des. 88,612; Dec. 6.

Hallwood, Nathan A., Columbus, Ohio. Scale. 1,841,948; Jan. 19.

Hallwood Nathan A., Columbus, Ohio. Scale. 1,861,087; May 31.

Hallwood, Nathan A., Columbus, Ohio. Scale. 1,875,809; Sept. 6.

Hallwood, Nathan A., Columbus, Ohio. Weighing scale. 1,891,762; Dec. 20.

Hain, Otto, Dresden-Loschwitz, assignor to Director Heinrich Hofmann, Leipzig, Germany. Carburetor. 1,863,402; June 14.

Hain, William, Long Island City, N. Y. Flower holder. 1,892,393; Dec. 27.

Halowax Corporation. (See Hanson, E. R., and Delaney, assignors.)

Halpenny, Richard R. (See Merkel, A., and Halpenny.)

Halperin, H., and K. W. Miller, Chicago, Ill. Sheath bonding system. 1,856,460; May 3.

Halperin, Herman, and A. P. Thoms, Chicago, Ill. Treating insulating sleeve. 1,856,415; May 3.

Halperin, Herman, and K. W. Miller, Chicago, Ill. Transformer. 1,872,575; Aug. 16.

Halpern, Max, New York, and W. Mayer, Brooklyn, N. Y. Necktie. 1,818,481; May 24.

Halpern, Mendel S., Oakland, Calif. Nonglare light projector. 1,881,525; Oct. 11.

Halpin, Abraham, New York, N. Y. Combination tennis racket press and cover. 1,841,596; Jan. 19.

Halpin, Abraham, New York, N. Y. Money bag. 1,889,860; Dec. 6.

Halpin, Robert L., and H. E. Bierd, Winnipeg, Manitoba, Canada. Car door opener. 1,853,559; Apr. 12.

Halsey, Fred H., Texarkana, Ark. Building unit. 1,805,903; July 7.

Halsey, Woodruff W., Elizabeth, N. J. Battery charging apparatus. 1,842,794; Jan. 26.

Halstead, John A., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper patching device for cigar machines. 1,846,864; Feb. 23.

Halstead, John A., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Stogie heading device. 1,849,727; June 26.

Halstead, Joseph Los Angeles, Calif., assignor to American Concrete Pipe Company. Pipe joint and forming the same. 1,840,447; Jan. 12.

Halstead, Ralph W. (See Halstead, W. B., and Halstead.)

Halstead, Stanley M., A. J. Wickland, and W. C. Tustin, San Jose, Calif. Brake testing machine. 1,874,006; Aug. 30.

Haltenberger, Jules, assignor, by mesne assignments, to J. C. Shaf, jr., Indianapolis, Ind. Sleeve-valve engine. 1,849,672; Mar. 15.

Haltenberger, Jules, Indianapolis, Ind., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,855,290; Apr. 26.

Haltenberger, Jules, Indianapolis, Ind., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,861,440; June 7.

Haltenberger, Jules, Indianapolis, Ind., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,861,441; June 7.

Haltenberger, Jules, assignor, by mesne assignments, to Joseph C. Schaf, jr., Indianapolis, Ind. Sleeve valve engine. 1,885,911; Nov. 1.

Halter, Edward et al. (See King, Frank M., assignor.)

Halterbeck, John J., Long Island City, N. Y. Aquarium. Des. 86,914; May 10.

Halterman, John, Portland, Ind. Industrial oil burner. 1,881,526; Oct. 11.

Halverson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lamp fixture. 1,844,651; Feb. 9.

Halvorsen, Egil J. S., Salem, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for working upon hides, skins and leather. 1,881,527; Oct. 11.

Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Fluid compressor. 1,863,845; June 21.

Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Compressor unloading mechanism. 1,864,131; June 21.

Halvorsen, Olaf, Chicago, Ill. Billfold or similar article of manufacture. Des. 86,772; Apr. 19.

Halvorsen, Oscar, assignor to Sterling Die Casting Co., Inc., Brooklyn, N. Y. Bottle opener. Des. 87,212; June 21.

Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Feeding device for stuffing machines. 1,855,434; Nov. 1.

Halvorsen, Sherman H., San Diego, Calif. Anatomical articulation. 1,842,728; Jan. 19.

Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Circuit controller. 1,856,832; May 3.

Halwey, Charles, Santa Ana, Calif. Hinge. 1,881,078; Oct. 4.

Hamada, Hatsujiro, Tokyo-Fu, Japan. Machine for making printing plates. 1,886,182; Nov. 1.

Hamann, Edward W., Minneapolis, Minn. Display rack. 1,869,146; July 26.

Hamann, William, Irondequoit, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stitch indenting machine. 1,869,476; Aug. 2.

Hamant, Edward W. (See Von Webern, G., and Hamant.)

Hamberger, Adolph T., Scotland, S. Dak. Shocker attachment for grain binders. 1,846,722; Feb. 23.

Hamblen, Jennings B., et al., trustees. (See Hamblen, J. B., and Kay, assignors.)

Hamblen, Jennings B., Whiting, Ind., and W. B. Kay, Chicago, Ill., assignors to J. G. Hamblen, H. V. Atwell, and W. B. Kay, trustees. Motor-efficiency-indicating device. 1,890,985; Dec. 13.

Hamblet, Marcia C., North Plainfield, N. J. Illuminated favor. 1,842,401; Jan. 26.

Hambleton, Maurice W., Goffstown, and B. F. Morrill, Nashua, N. H., said Morrill assignor to said Hambleton. Bobbin boring machine. 1,889,034; Nov. 29.

Hambley, George H., High Bluff, Manitoba, Canada. Power transmission device. 1,875,237; Aug. 30.

Hambrecht, Edward J., Palatine Bridge, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Candy conditioning apparatus. 1,874,973; Aug. 30.

Hambrook, George W., assignor to Clarin Mfg. Co., Chicago, Ill. Folding chair. 1,846,392; Feb. 23.

Hambrook, George W., and W. E. Clarin, assignors to Clarin Mfg. Co., Chicago, Ill. Table leg lock. 1,871,686; Aug. 16.

Hambuechen, Carl, Belleville, Ill., assignor to The B-L Electric Manufacturing Company, St. Louis, Mo. Rectifier. 1,858,445; May 17.

Hamburg Brothers. (See Hamburg, Elmer A., assignor.)

Hamburg, Elmer A., assignor to the Firm of Hamburg Brothers, Pittsburgh, Pa. Refrigerator equipment. 1,890,461; Dec. 13.

Hamburg, Max, assignor of one-half to E. Jalowetz, Vienna, Austria. Preventing formation of unpleasant flavor in fermented cereal beverages. 1,843,321; Feb. 2.

Hamby, Joseph E., assignor of one-third to J. H. Ward, one-third to George Irwin, and one-third to C. Harris, Pawhuska, Okla. Battery terminal clamp. 1,886,095; Nov. 1.

Hamby, William D., Morton, Pa. Boxing mask. 1,887,636; Nov. 15.

Hamestman, Jacob P., assignor to Commercial Furniture Company, Chicago, Ill. Desk. 1,864,243; June 21.

Hamel, Hermann, Dresden, Germany. Coupling device. 1,861,088; May 31.

Hamel, L. H., Leather Co. (See Berry, Guy H., assignor.)

Hamel, L. H., Leather Co. (See Klaucke, Hermann, assignor.)

Hamelin, Alban, Montreal, Quebec, Canada. Last. 1,842,265; Jan. 19.

Hamelin, Pierre, Montreal, Quebec, Canada. Window construction. 1,862,397; June 7.

Hamer, Charles G. (See Cronenweth, E. E., and Hamer.)

Hamer, Leland S., assignor to Hamer Oil Tool Company, Limited, Long Beach, Calif. Valve for pumps or the like. 1,844,159; Feb. 9.

Hamer, Leland S., Fullerton, Calif. Well drilling apparatus. 1,847,717; Mar. 1.

Hamer, Leland S., Long Beach, Calif. Fluid conduit. 1,848,316; June 28.

Hamer Oil Tool Company. (See Hamer, Leland S., assignor.)

Hamer, William D., C. E. Chatfield, Indianapolis, Ind., and A. Mills, Chicago, Ill., assignors to Transelectric Company, Indianapolis, Ind. Manipulating tool for high tension transmission lines. 1,875,376; Sept. 6.

Hamerly, Frank B., Akron, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Lubricating device for pneumatic tools. 1,864,536; June 28.

Hamersley, Carl S., New York, N. Y., assignor to The Hamersley Manufacturing Co., Garfield, N. J. Paper. 1,870,681; Aug. 9.

Hamersley, Carl S., New York, N. Y. Waxing of paper and wrapping of articles therein. 1,871,687; Aug. 16.

Hamersley Manufacturing Co. (See Hamersley, Carl S., assignor.)

Hames, Edmund C. (See Gragg, F. E., and Cohn, assignors.)

Hames, Wade H., Gadsden, Ala., assignor to Whitin Machine Works, Whitinsville, Mass. Split lap preventer. 1,887,507; Nov. 15.

Hamill, Virginia, New York, N. Y., assignor to Otis Company, Inc., Boston, Mass. Textile fabric or similar article. Des. 86,974; Apr. 5.

Hamilton-Adams, Thomas, Roxwell, near Chelmsford, England. Maintaining the cutting edges of safety razor blades. 1,855,006; Apr. 19.

Hamilton, Albert G., assignor to J. T. & A. Hamilton Company, Pittsburgh, Pa. Glass container. Des. 87,343; July 12.

Hamilton, Alexander C., assignor to W. L. Magnum, Detroit, Mich. Brake actuating mechanism. 1,855,348; Apr. 26.

Hamilton, Alfred E., Pittsburgh, Pa. Valve. 1,841,029; Jan. 12.

Hamilton, Alfred E., Pittsburgh, Pa. Chuck. 1,885,095; Oct. 25.

Hamilton, Baxter P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 1,852,050; Apr. 5.

Hamilton, Baxter P., River Edge, N. J., and W. T. Rea, Flushing, N. Y., assignors to American Telephone and Telegraph Company. Telegraph repeater system. 1,852,051; Apr. 5.

Hamilton, Baxter P., River Edge, N. J., and W. T. Rea, Flushing, N. Y., assignors to American Telephone and Telegraph Company. Radio receiving apparatus. 1,856,213; May 3.

Hamilton, Baxter P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Reducing lightning interference in carrier telegraph systems. 1,863,655; June 21.
Hamilton Beach Manufacturing Company. (See Blish, R. A., and Jorgenson, assignors.)
Hamilton Beach Manufacturing Company. (See Flegel, Harrison D., assignor.)
Hamilton Beach Manufacturing Company. (See Mross, Edward R., assignor.)
Hamilton Beach Manufacturing Company. (See Nielsen, Emanuel, assignor.)
Hamilton Beach Manufacturing Company. (See Poplawski, Stephen J., assignor.)
Hamilton, Beauchamp & Woodworth. (See Woodworth, Selim E., assignor.)
Hamilton, Charles E. H., sr., Hollywood, Calif. Flatwork ironer. 1,867,741; July 19.
Hamilton, Charles E. H., sr., Hollywood, Calif., assignor to E. Lane, F. Mendelson, and C. Mendelson, New York, N. Y. Stripper finger for flatwork ironers. 1,860,538; May 31.
Hamilton, Cliff S., Evanston, Ill., assignor to Parke, Davis & Company, Detroit, Mich. Beta aminoamide derivative of arsenic acid. 1,839,648; Jan. 5.
Hamilton, Edward P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Table. 1,876,922; Sept. 13.
Hamilton, Florence. (See Nicolich, Giuseppe, assignor.)
Hamilton, Francis F., Indianapolis, Ind. Exhaust gas silencer. 1,857,845; May 10.
Hamilton, Francis F., Indianapolis, Ind. Sound damped muffler. 1,869,419; Aug. 2.
Hamilton, Franklin H., et al. (See Clough, Alfred N., assignor.)
Hamilton, George H., assignor to American Heating Company, Grand Rapids, Mich. Box. 1,862,535; June 14.
Hamilton, Harold S., White Plains, N. Y., assignor to American Telephone and Telegraph Company. Reducing distortion of vacuum tube amplifiers. 1,871,986; Aug. 16.
Hamilton, Harry A., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 87,571; Aug. 16.
Hamilton, Harry A., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 87,572; Aug. 16.
Hamilton, Harry A., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Buckle holder. 1,882,570; Oct. 11.
Hamilton, Hugh H. (See Lee, L., and Hamilton.)
Hamilton, J. S. & A., Company. (See Hamilton, Albert G., assignor.)
Hamilton, John R. (See Lowe, E. A., and Hamilton.)
Hamilton, Kenneth D., Brockton, and E. Hurst, Newtonville, Mass. Drawing instrument. 1,844,759; Feb. 9.
Hamilton, Mabel L. (See Shlerk, Dearell D., assignor.)
Hamilton Manufacturing Company. (See Hamilton, Edward P., assignor.)
Hamilton Manufacturing Company. (See Hurych, Jerome W., assignor.)
Hamilton, Paul H., assignor to The Sands Manufacturing Company, Cleveland, Ohio. Heater. 1,852,157; Apr. 5.
Hamilton, Perry H., Baltimore, Md., assignor to Maintenance Equipment Company, Chicago, Ill. Wheel flange oiler. 1,839,218; Jan. 5.
Hamilton, Perry H., Baltimore, Md., assignor to Maintenance Company, Chicago, Ill. Wheel flange oiler. 1,839,219; Jan. 5.
Hamilton, Reginald H., Christchurch, New Zealand. Self adjusting tappet. Re18,343; Feb. 2.
Hamilton, Roy E., Kansas City, Kans., assignor to Lock Joint Window Company, Kansas City, Mo. Window pulley. 1,849,487; Mar. 15.
Hamilton, Roy E., assignor to Lock Joint Window Company, Kansas City, Mo. Window pulley. 1,862,305; June 7.
Hamilton, Roy E., assignor to Lock Joint Window Company, Kansas City, Mo. Sash cord ferrule. 1,862,306; June 7.
Hamilton, Rush, assignor to The Standard Gas Engine Company, Oakland, Calif. Power take-off. 1,849,144; Mar. 15.
Hamilton, Samuel A. B., jr., Fort Worth, Tex. Differential for motor vehicles. 1,857,955; May 10.
Hamilton, Samuel A. B., and C. A. Larsen, Fort Worth, Tex., assignors, by mesne assignments, of one-third to F. J. Keller, one-third to S. T. Bibb, and one-third to W. B. Powell. Brake drum truing machine. 1,840,092; Jan. 5.
Hamilton Standard Propeller Company. (See Caldwell, Frank W., assignor.)
Hamilton Standard Propeller Company. (See Hamilton, Thomas F., assignor.)
Hamilton, Thomas F., Milwaukee, Wis., assignor, by mesne assignments, to Hamilton Standard Propeller Company, West Homestead, Pa. Propeller hub and blade mounting. 1,870,361; Aug. 9.
Hamilton, Van A., Palastine, Tex. Drawbar for trailers. 1,879,981; Sept. 27.
Hamilton, Vance D., Ferndale, Mich. Plating machine. 1,859,668; May 24.
Hamilton-Wade Company. (See Davy, Arthur E., assignor.)
Hamilton-Wade Company. (See Emery, LeRoy F., assignor.)
Hamilton-Wade Company. (See Howard, A. L., and Christie, assignors.)
Hamilton-Wade Company. (See Howard, Albert L., assignor.)
Hamilton-Wade Company. (See Lyon, Harry, assignor.)
Hamilton-Wade Company. (See Payson, Samuel E., assignor.)
Hamilton, Walter L., Holyoke, Mass., assignor to General Electric Company. Weighing machine. 1,851,703; Mar. 29.
Hamilton, William F. (See Krueger, R. H., and Hamilton.)
Hamilton, William F., assignor to Ventura Manufacturing and Implement Company, Ventura, Calif. Disk cultivator. 1,852,206; Apr. 5.
Hamlin Bank & Trust Company et al., executors. (See Backus, John C.)
Hamlin, Benjamin M., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. Re18,415; Apr. 5.
Hamlin, Benjamin M., assignor to Wheary Trunk Company, Racine, Wis. Luggage carrier. 1,869,418; Aug. 2.
Hamlin, Guy E., assignor to McMillan Book Company, Syracuse, N. Y. Loose leaf binder. 1,869,937; Aug. 2.
Hamlin, Marston L., Lynbrook, assignor to The Barrett Company, New York, N. Y. Cupola furnace and operating same. 1,861,214; May 31.
Hamlin, Marston L., Lynbrook, assignor to The Barrett Company, New York, N. Y. Melting metals in cupola furnaces. 1,882,571; Oct. 11.
Hamlin, Marston L., Lynbrook, assignor to The Barrett Company, New York, N. Y. Interlocking shingle. 1,891,229; Dec. 20.
Hamlink, Lazenby C., Cleveland Heights, assignor to The Gas Machinery Company, Cleveland, Ohio. Cooking gas ovens. 1,881,522; Oct. 11.
Hamm, Bertram C., Cambridge, Mass. Desk adjunct. 1,883,785; Oct. 18.
Hamm, Charles S., Dayton, Ohio, assignor to Mead Paperboard Corporation, Wilmington, Del. Paper manufacture. 1,852,158; Apr. 5.
Hamm, Eugène, Strasbourg, France. Safety device for use with earthing circuits in alternating current systems. 1,889,832 Dec. 6.
Hamm, Fred, Martin's Ferry, Ohio, assignor to Wheeling Bronze Casting Company. Pickling apparatus. 1,859,086; May 17.
Hamm, Hugh J., assignor of one-third to G. D. Baten, Beaumont, Tex. Well testing apparatus. 1,882,572; Oct. 11.
Hamm, Martin S. (See Jansen, Einar, assignor.)
Hamm, Ray H., and J. H. W. Champion, assignors to Arizona Grocery Company, Phoenix, Ariz. Fruit and vegetable stand spray. 1,890,004; Dec. 6.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain roller end bracket. Des. 88,229; Nov. 8.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain construction. 1,841,730; Jan. 19.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,841,731; Jan. 19.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,847,957; Mar. 1.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash guide. 1,847,958; Mar. 1.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,886,011; Nov. 1.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash lock. 1,886,183; Nov. 1.
Hammalian, Jacob M., et al. (See Kasparian, Mehran, assignor.)
Hammalian, John M. (See Kasparian, Mehran, assignor.)
Hammalian, Paul M., et al. (See Kasparian, Mehran, assignor.)
Hamman, Russell H., assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,853,517.
Hammecker, Pieter A., Mariekerke, Belgium, assignor to The Ruberoid Co., New York, N. Y. Cold enameling asbestos-cement plates. 1,874,974; Aug. 30.
Hammer, Charles, Hollis Court Boulevard, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Rotary vacuum sealing cap. 1,841,597; Jan. 19.
Hammer, Charles, Hollis Court Boulevard, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. One piece vacuum cap. 1,841,598; Jan. 19.
Apr. 26.
Hammant, Edward W. (See von Webern, G., and Hamant.)
Hammel, Victor F., Amityville, N. Y. Cylindrical structure. 1,842,847; Jan. 26.
Hammel, Victor F., New York, N. Y. Composite supporting structure. 1,846,682; Feb. 23.
Hammell, Charles E., Red Bank, N. J., assignor to Gurney Elevator Company, New York, N. Y. Electric switch. 1,866,563; July 12.

Hammenecker, Pieter A., Mariekerke, Belgium, assignor to The Ruberoid Co., New York, N. Y. Cold enameling asbestos-cement plates. 1,874,974; Aug. 30.

Hammer, Charles, Hollis Court Boulevard, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Glass container. 1,849,522; Mar. 15.

Hammer, Charles, Hollis Court Boulevard, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Glass container. 1,849,523; Mar. 15.

Hammer, Charles, New York, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package. 1,881,529; Oct. 11.

Hammer, Forrester L., assignor to Malleable Iron Fittings Company, Branford, Conn. Housing for oil burners and the like. Des. 86,883; May 3.

Hammer, Gustaf. (See Crumb, C. F., and Hammer.)

Hammer, Gustaf, Chicago, Ill., assignor to International Harvester Company. Reel support for harvester binders. 1,888,500; Nov. 22.

Hammer, Peter. (See Sniffin, J. G., and Hammer.)

Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Wall cabinet. 1,869,807; Aug. 2.

Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Adjustable shelf support. 1,875,318; Sept. 6.

Hammer, Thorvald F., Branford, Conn. Soap powder dispenser. 1,864,133; June 21.

Hammerl, Jacob, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,844,048; Feb. 9.

Hammerl, Jacob, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,870,250; Aug. 9.

Hammerl, Jacob, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,879,215; Sept. 27.

Hammerly, Fred V., assignor of one-half to G. A. Hammerly, and one-half to E. Abbot, Berkeley, Calif. Apparatus for mixing fluids. 1,867,824; July 19.

Hammerly, Georgia A. (See Hammerly, Fred V., assignor).

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,851,248; Mar. 29.

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Terminal for inclosed fuse cut-outs. 1,851,249; Mar. 29.

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,854,404; Apr. 19.

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,863,523; June 14.

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,868,449; July 19.

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Double throw switch. 1,889,358; Nov. 29.

Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch box latch and handle. 1,885,713; Nov. 1.

Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,889,515; Nov. 29.

Hammermill Paper Co., (See Bessmer, William A., assignor).

Hammermill Paper Company. (See Chatain, Henri G., assignor.)

Hammermill Paper Company. (See French, Hobert W., assignor.)

Hammers, Morgan J., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Oil burning apparatus. 1,873,581; Aug. 23.

Hammers, William J., and A. F. Winterhalter, Grand Rapids, Mich. Water heater. 1,852,573; Oct. 11.

Hammerson, Frank, Maywood, Calif. Derrick finger attachment. 1,856,833; May 3.

Hammerstein, Arthur, New York, N. Y. Self closing stopper for receptacles. 1,861,442; June 7.

Hammes, John C., Des Moines, Iowa. Size marker holder. 1,848,050; Mar. 8.

Hammeth, B. W. (See McConahay, Ray H., assignor.)

Hammett, David M. (See Vance, J. A., and Hammett.)

Hammett, Merton H., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Side frame. 1,872,576; Aug. 16.

Hammett, Merton H., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Side frame. 1,872,577; Aug. 16.

Hammon, George L., San Francisco, Calif. Mixer for welding torches. 1,882,420; Oct. 11.

Hammon, George L., assignor to National Welding Equipment Company, Incorporated, San Francisco, Calif. Gas burner shield. 1,865,904; July 5.

Hammon, George L., assignor to National Welding Equipment Company, Incorporated, San Francisco, Calif. Heating torch. 1,865,905; July 5.

Hammon, James H. Vincennes, Ind. Spectacle lens. Re18,427; Apr. 19.

Hammond, Charles F., assignor to Winchester Repeating Arms Company, New Haven, Conn. Alloy. 1,868,898; July 26.

Hammond, Chester, West Point, N. Y. Container for ground coffee and the like. 1,841,179; Jan. 12.

Hammond Clock Company, The. (See Hammond, Laurens, assignor.)

Hammond Clock Company, The. (See Stephens, George H., assignor.)

Hammond, Cooper S., St. Louis, Mo. Sheet metal roofing. 1,872,447; Aug. 16.

Hammond, E. S., Inc. (See Brear, O. W., assignor.)

Hammond, Emmett K., Newport News, Va. Number work dial. 1,858,153; May 10.

Hammond, George F. (See Tapie, Joseph F., assignor.)

Hammond, Grant, New Haven, Conn., assignor to The Reclamation Company of America, Wilmington, Del. Delinking apparatus. 1,846,683; Feb. 23.

Hammond, Grant, assignor of one-eighth to H. P. Sage, and one-eighth to W. A. McLean, New Haven, Conn. Carburetor. 1,890,782; Dec. 13.

Hammond, John A., Albany, assignor to California Cap Company, Oakland, Calif. Explosive. 1,872,941; Aug. 23.

Hammond, John H., jr. (See Hirsch, C. J., and Trenor, assignors.)

Hammond, John H., jr. (See Purington, Ellison S., assignor.)

Hammond, John H., jr. (See Trenor, Albert D., assignor.)

Hammond, John H., jr., Gloucester, Mass. Radio system of communication. 1,851,174; Mar. 29.

Hammond, John H., jr., Gloucester, Mass. System of broadcasting. 1,851,175; Mar. 29.

Hammond, John H., jr., Gloucester, Mass. Torpedo ventilation. 1,855,349; Apr. 26.

Hammond, John H., jr., Gloucester, Mass. Torpedo. 1,857,150; May 10.

Hammond, John H., jr., Gloucester, Mass. Electrical transmission of light by phase control. 1,860,341; May 24.

Hammond, John H., jr., Gloucester, Mass. System of automatic control of vessels. 1,861,215; May 31.

Hammond, John H., jr., Gloucester, Mass. Tail torpedo. 1,865,101; June 28.

Hammond, John H., jr., Gloucester, Mass. Method of and apparatus for synchronization. 1,874,287; Aug. 30.

Hammond, John H., jr., Gloucester, Mass. Echo torpedo. 1,892,431; Dec. 27.

Hammond, John Hays, jr. (See Purington, Ellison S., assignor.)

Hammond, John Hays, jr., Gloucester, Mass. System of location. 1,867,044; July 12.

Hammond, Laurence, Spangler, Pa. Table. 1,851,389; Mar. 29.

Hammond, Laurens, Chicago, Ill. Card table with automatic dealing mechanism. 1,889,729; Nov. 29.

Hammond, Laurens, Evanston, assignor to The Hammond Clock Company, Chicago, Ill. Synchronous motor. 1,867,315; July 12.

Hammond, Laurens, Evanston, assignor to The Hammond Clock Company, Chicago, Ill. Making stator and rotor plates. 1,873,397; Aug. 23.

Hammond, Lillian L., et al. (See Buel, Hillhouse, assignor.)

Hammond, Lillian L., et al. (See Hebig, Henry C., assignor.)

Hammond, Lillian L., et al., executors. (See Hammond, William P.)

Hammond Lumber Co. (See Eubank, Lee Hall, assignor.)

Hammond Machinery Builders. (See Koets, Cornelius, assignor.)

Hammond, Milton B., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Bumper for automobiles. Des. 86,099; Jan. 26.

Hammond, Milton B., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Bumper for vehicles. 1,883,435; Nov. 1.

Hammond, Milton B., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Automobile bumper. 1,857,635; May 10.

Hammond, Paul C., jr., and Weisel, Los Angeles, Calif. Two cycle internal combustion engines. 1,849,372; Mar. 15.

Hammond, Thomas E., et al., executors. (See Hammond, William P.)

Hammond, William A., Yellow Springs, Ohio. Drying agent and manufacturing same. 1,887,349; Nov. 8.

Hammond, William C. (See Larson, Carl B., assignor.)

Hammond, William P., jr., et al. (See Buel, Hillhouse, assignor.)

Hammond, William P. jr., et al. (See Hammond, William P., assignor.)

Hammond, William P., jr., et al. (See Hebig, Henry C., assignor.)

Hammond, William P., deceased, East Orange, N. J.; L. L. Hammond, T. E. Hammond, and Irving Trust Company, formerly Irving Bank Columbia Trust Company, executors, assignors to L. L. Hammond and W. P. Hammond, jr. Automatic lubrication. 1,863,200; June 14.

Hammond, Theodore A., Montclair, N. J. Tire valve. 1,868,165; July 19.

Hamon, Weslie M., Bell, Calif. Flow nipple. 1,839,672; Jan. 5.

Hamphill Company. (See Lawson, Robert H., assignor.)

Hamprecht, Guenther, Oppau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Double salts 1,840,229; Jan. 5.

Hampson, Edward A., Chicago, Ill., assignor to The Hoover Company. Floor polishing attachment for suction cleaners. 1,853,047; Apr. 12.

Hampton, Albert A., Los Angeles, Calif. Sketching instrument. 1,872,978; Aug. 16.
Hampton, Judson F., Chicago, Ill. Aircraft construction. 1,846,328; Feb. 23.
Hampton, Leon N., New York, N. Y. Signal for vehicles. 1,885,714; Nov. 1.
Hampton, Leon N., New York, N. Y., assignor to A C Spark Plug Company, Fluid transfer device. 1,885,436; Nov. 1.
Hampton, Martin L., Miami Beach, Fla. Portable dispensing cabinet. 1,840,003; Jan. 5.
Hampton, Wade W., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Drill cutter. 1,874,041; Aug. 30.
Hampton, Weldon O. (See Alsaker, A., Hampton, and Koerner.)
Hampton, William C., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Coating articles with pyroxylin. 1,851,509; Mar. 29.
Hampton, William C., and C. Garber, assignors to The Crawford, McGregor and Canby Company, Dayton, Ohio. Coating articles with pyroxylin or the like. 1,882,574; Oct. 11.
Hampton, William H. (See Davis, W. N., and Hampton.)
Hampton, William H., and B. B. Farrington, Berkeley, assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Improved petroleum product and art of wood preservation. 1,873,582; Aug. 23.
Hamre, Osmund S., Springfield, Mass. Hoisting device. 1,887,553; Nov. 15.
Hamren, Eric O. (See Leach, Elbert C., and Hamren.)
Hamrick, Charles L., and (See Balmer, Harry T., assignor.)
Hamshaw, Clarence M., Chicago, Ill., assignor of one-tenth to Mrs. H. W. Goode. Rotary garden cultivator. 1,878,442; Sept. 20.
Hamsher, Charles A., New Cumberland, Pa. Double porch water divider. 1,846,723; Feb. 23.
Hanwi, Ernest, St. Louis, Mo. Pastry cup. 1,878,395; Sept. 20.
Hana, George H., London, England. Photographic apparatus. 1,852,967; Apr. 5.
Hanai, Herbert W., Brooklyn, N. Y. Sulky. 1,863,112; June 14.
Hanaoka, Yoshisuke, Honolulu, Hawaii. Washboard. 1,870,111; Aug. 2.
Hanauer, Albert M., assignor to Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Molding graphite refractory compositions. 1,875,397; Dec. 27.
Hanauer, Charles J., Chattanooga, Wis. Sheet material feeding device. 1,866,851; July 12.
Hanchett Manufacturing Co. (See Morey, Carl, assignor.)
Hancock, Charles L., Yuthick, Dak., assignor to Animal Trap Company of America, Lititz, Pa. Trap. 1,881,530; Oct. 11.
Hancock, Clarence W., and E. H. Carnarius, Peoria, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Esterification process. 1,875,447; Sept. 6
Hancock, G. Allan, and Ira Keller, William Y. D., assignor.)
Hancock, George L., assignor to Franklin Needle Company, Franklin, N. H. Latch knitting machine needle. 1,842,548; Jan. 26.
Hancock, Lawrence H., Charlotte, N. C. Dispensing liquids. 1,842,938; Jan. 26.
Hancock, Lawrence H., Charlotte, N. C. Apparatus for storing and dispensing paints and other liquids. 1,842,939; Jan. 26.
Hancock, Leslie J., Sutton, Surrey, England. Flame cutting burner apparatus. 1,844,574; Feb. 9.
Hancock Manufacturing Co. (See Marple, Rollo, assignor.)
Hancock, Milton L., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,860,413; May 31.
Hancock, Milton L., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Duplex control of reservoir pressure. 1,860,414; May 31.
Hancock, Randolph B., Gary, Ind. Apparatus for annealing bars. 1,882,141; Oct. 11.
Hancock, Russel H. (See Smith, J. R., and Hancock.)
Hancock, Virgil H., New Orleans, La. Lens. 1,876,497; Sept. 6.
Hancock, William L., assignor to The Murray Company, Dallas, Tex. Cotton press centering and retaining device. 1,843,148; Feb. 16.
Hancock, William L., assignor to The Murray Company, Dallas, Tex. Distributor for cotton gins. 1,845,873; Feb. 16.
Hancock, William L., assignor to The Murray Company, Dallas, Tex. Roller adjusting device for cotton gins. 1,868,830; July 26.
Hancock, William L., and B. C. Woodford, assignors to The Murray Company, Dallas, Tex. Cotton baling press. 1,868,829; July 26.
Hancock, William T., Long Beach, Calif. Dispensing tube. 1,869,808; Aug. 2.
Hancock, Winfield S., Independence, Kans. Lens bracket. 1,845,597; Feb. 16.
Hand, Augustin J. (See Gladkov, V., and Hand.)
Hand, Carl N., assignor to Elko Chemical Company, Nitro, W. Va. Manufacture of anhydrous sodium sulphite. 1,865,754; July 5.
Hand, Carl N., and G. N. Magoun, Nitro, W. Va., assignors to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of triaryl phosphates. 1,866,852; July 12.
Hand, Clarence S., assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Automatic timing valve. 1,861,742; June 7.
Hand, Erie H., New York, N. Y. Antenna shield for eliminating interference and undesirable waves. 1,847,872; Mar. 1.
Hand, Leon R., Hummels Wharf, and L. A. Eyster, Sunbury, Pa. Bolt and clamp. 1,870,112; Aug. 2.
Hand, Leslie T., Brooklyn, N. Y. Siphon pen for recording instruments. 1,849,084; Mar. 15.
Hand, Leslie T., Brooklyn, N. Y. Spool. 1,852,458; Apr. 5.
Hand, Leslie T., Brooklyn, N. Y. Mat. 1,887,200; Nov. 8.
Handel, Charles E., assignor to Wej-Lock Manufacturing Company, Winterset, Iowa. Cable splice. 1,843,360; Feb. 2.
Handelan, Daniel. (See Jordan, Wayne D., assignor.)
Handelan, Daniel, Minneapolis, Minn. Device for displaying and keeping harvested vegetation fresh. 1,863,597; June 21.
Handewerk, Erwin C. (See Mahler, G. T., and Handwerk.)
Handford, John A., New Bedford, Mass. Electric switch. 1,865,315; June 28.
Handian-Buck Manufacturing Company. (See Kuehner, Louis C., assignor.)
Handley, Edgar G. (See Handley, George B. and E. G.)
Handley, George B. and E. G., Harrogate, England. Check-strap or the like and picker stick for under-pick or automatic looms. 1,863,271; June 14.
Handley, George F. (See Myers, L. C., and Handley.)
Handley, George F., Glendale, and L. C. Myers, Freeport, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,891,813; Dec. 20.
Handley, John B., Albany, N. Y. Automatic cash register. 1,841,118; Jan. 12.
Handley Page Limited. (See Cooke, Geoffrey H., assignor.)
Handley Page Limited. (See Lachmann, Gustav, assignor.)
Handley Page Limited. (See Page, Frederick H., assignor.)
Hands, Alfred, Annandale, Sydney, New South Wales, Australia. Blocking of hats. 1,862,398; June 7.
Hands & Constant Mesh Transmission Co. (See Campbell, Leon J., assignor.)
Hands, William F., Toronto, Ontario, Canada. Clamp. 1,846,422; Feb. 23.
Handschiegl, Bessie. (See Handschiegl, Max, assignor.)
Handschiegl, Max, Los Angeles, Calif. Making double exposures. 1,840,630; Jan. 12.
Handschiegl, Max, assignor to Bessie Handschiegl, Los Angeles, Calif. Trick method of producing composite negatives. 1,840,677; Jan. 12.
Handschiegl, Max, assignor to B. Handschiegl, Los Angeles, Calif. Double exposure process. 1,860,737; May 31.
Handtrag, Martin. (See Regerbis, W., and Handtrag.)
Handwerk, Otto T. (See Fritzgens, A. F., and Handwerk.)
Handy Button Machine Co. (See Perlman, Joseph and N. H., assignors.)
Handy Cleaner Corporation. (See Bull, Arthur A., assignor.)
Handy, George A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Dual pneumatic tire. 1,862,218; June 7.
Handy, George W. (See Porter, J. M., and Handy.)
Handy, Harry L. (See Holm, C. E., and Handy.)
Handy Governor Corporation. (See Bull, A. A., and Wood, assignors.)
Handy, John C., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. System for lubricating machinery. 1,870,809; Aug. 9.
Handy, Le Roy L. (See Drake, J. L., and Handy.)
Handy, Levin G., Mountain View, N. J. Attachment for curtain rods. 1,841,805; Jan. 19.
Handy, Levin G., Mountain View, N. J. Attachment for curtain rods. 1,845,659; Feb. 16.
Handy Things Manufacturing Company. (See Pleiss, Walter H., assignor.)
Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Variable electrical circuit controlling device. 1,848,171; Mar. 8.
Hanel, Charles L., Jackson Heights, assignor to Signal Engineering and Manufacturing Company, New York, N. Y. Electrical circuit controlling mechanism. 1,868,500; July 26.
Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Selective electrical circuit controlling device. 1,874,100; Aug. 30.
Haner, Carl, Moylan, and O. Gamper, assignors to Publicker, Inc., Philadelphia, Pa. Preparing butyl alcohol-acetone seed mashes. 1,848,010; Mar. 1.
Haner, Carl Moylan, and Oscar Gamper, assignors to Publicker, Inc., Philadelphia, Pa. Producing butyl alcohol and acetone and ethyl alcohol. 1,885,096; Oct. 25.
Haney, Martin O., Iola, Kans. Potato masher or similar article. Des. 87,918; Oct. 11.
Hangerette Folding Box, Ltd. (See Appelbaum, Isaac, assignor.)

Hanbardt, Jacob, Larned, Kans. Salt water plug. 1,874,975; Aug. 30.
Hanbart, Paul. (See Straub, F., and Hanbart.)
Hanington, Charles A., Freeport, N. Y. Decorating flexible material. Re18,351; Feb. 16.
Hanke, Julius F., St. Louis, Mo., assignor to A. L. Bryte, P. C. Hunt, C. V. Cusachs, J. A. Rockwell, and J. B. Miller, trustees, operating under the name of The United Oil Refineries. Reclaiming used lubricating oil. 1,842,983; Jan. 26.
Hanke, Mary E. (See Ostdiek, H. J. and C. J., assignors.)
Hanke, Paul. (See Schmidt, M., and Hanke.)
Hankins, Cyrus, assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Spring mechanism. 1,859,906; June 21.
Hankins, Cyrus, Washington, D. C., assignor to Wine Railway Appliance Company, Toledo, Ohio. Railway car. 1,882,386; Oct. 11.
Hankins, Lindsey S., assignor to Crawford Manufacturing Co. Inc., Richmond, Va. Figure toy. 1,846,393; Feb. 23.
Hanks, Elmer C., Oakland, Calif., assignor to Jefferson Electric Company, Chicago, Ill. Fuse wrench. 1,852,159; Apr. 5.
Hanks, Emily G., Brooklyn, N. Y. Educational device. 1,840,507; Jan. 12.
Hanks, Emily G., Brooklyn, N. Y. Educational device. 1,882,575; Oct. 11.
Hanks, George R., Clinton, N. J., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Tractor. 1,858,154; May 10.
Hanks, Matthew, Madison, Wis. Liquid conductor heater. 1,881,581; Oct. 11.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Desk set. 1,859,570; May 24.
Hanley, Chester T. (See Chamberlain, Theron T., assignor.)
Hanley Company. (See Hanley, W. L., jr., Hendryx, and Holbrook, assignors.)
Hanley Company. (See Norton, Charles E., assignor.)
Hanley, Frank H., Cranford, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 1,842,523; Jan. 26.
Hanley, John A., Irvington, N. J. Electric motor mounting and drive mechanism for toys. 1,842,021; Jan. 12.
Hanley, Michael, Chicago, Ill. Signaling system. 1,879,933; Sept. 27.
Hanley, Michael, Chicago, Ill. Signaling transmitter. 1,879,934; Sept. 27.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Table structure. 1,886,806; Nov. 8.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding leg support for tables. 1,890,986; Dec. 13.
Hanley, William L., jr., Bradford, Pa. Twin tunnel kiln. 1,859,507; May 24.
Hanley, William L., jr., and D. B. Hendryx, Bradford, Pa., and G. W. Holbrook, Hartford, Conn., assignors to Hanley Company, Bradford, Pa. Plant for the manufacture of ceramic products. 1,863,628; June 21.
Hanlon, Daniel, Milford, New Brunswick, Canada. Car door. 1,852,410; Apr. 5.
Hanlon, John H., Lynn, Mass. Detachable loading machine. 1,860,415; May 31.
Hanlon, Michael J., Weehawken, N. J. Bow construction for ships. 1,859,139; May 17.
Hanlon, Michael J., Weehawken, N. J., assignor to Black Diamond Steamship Corporation, New York, N. Y. Remodeling the stern structure of ships. 1,864,433; June 21.
Hanlon-Waters, Inc. (See Putnam, James K., assignor.)
Hanlon-Waters, Inc. (See Waters, Millard F., assignor.)
Hanlon-Waters, Inc. (See Zuck, O. C., and Dailey, assignors.)
Hann, William E. (See Harness, J. K., and Hann.)
Hanna, Carl D., Brooklyn, N. Y. Boat. 1,845,495; Feb. 16.
Hanna, Clinton R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multiplex transmission. 1,849,488; Mar. 15.
Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound recording and reproducing system. 1,888,724; Nov. 22.
Hanna Engineering Works. (See Hanna, John C., assignor.)
Hanna, George A., Berkeley, Calif. Circuit closer for vehicle signal. 1,849,849; Feb. 9.
Hanna, George A., Berkeley, Calif. Vehicle signal switch. 1,845,267; Feb. 16.
Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Riveter construction. 1,875,448; Sept. 6.
Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Work handling device. 1,876,290; Sept. 6.
Hanna, Luther R., Indianapolis, Ind. Autographic manifolding machine. 1,892,550; Dec. 27.
Hanna, Walter G., Oakland, Calif. Water heater. 1,847,431; Mar. 1.
Hannaford, Alfred, Chicago, Ill. Bottle brush. 1,882,576; Oct. 11.
Hannaford, Frederick C., Morgan City, La. Package container. 1,865,688; July 5.
Hannah, James J., Canon City, Colo. Automatic beet harvester. 1,862,399; June 7.
Hannan, George R., and R. G. Goldman, assignors, by direct and mesne assignments, to H. T. Barlow, Los Angeles, Calif. Glare shield. 1,876,225; Sept. 6.
Hannan, George R., and R. G. Goldman, assignors to H. T. Barlow, Los Angeles, Calif. Glare shield. 1,876,412; Sept. 27.
Hannan, George R., and R. G. Goldman, assignors to H. T. Barlow, Los Angeles, Calif. Glare shield. 1,879,216; Sept. 27.
Hannan, John B., deceased, Indianapolis, Ind.; M. M. E. Hannan, Indianapolis, Ind., executrix. Arrival notice book. 1,884,669; Oct. 25.
Hannan, Mary M. E., executrix. (See Hannan, John B.)
Hanneborg, Aurora. (See Karlsen, Henry, assignor.)
Hanneman, Walter M. (See Christensen, N. V., and Hanneman.)
Hanney, Angus F., Norwood, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Laundry marker detacher. 1,855,711; Apr. 26.
Hannigan, Gerald M. (See Eddins, S. A., and Hannigan.)
Hannin, Michael P. (See Pohl, Charles J., assignor.)
Hannon, Albert H., Springfield, Ohio. Electrolytic processing machine. 1,858,012; May 10.
Hannon, Albert H., Springfield, Ohio. Electroplating machines. 1,868,320; July 19.
Hannon, Albert H., assignor to F. B. Stevens, Inc., Detroit, Mich. Article handling machine. 1,846,053; Feb. 23.
Hannon, John T., Natick, and A. Beauregard, Holyoke, Mass., Mechanical fish bait. 1,842,741; Jan. 26.
Hannon, Mildred, San Gabriel, Calif. Finger-shaping device. 1,879,609; Sept. 27.
Hannon, Timothy B., Chicago, Ill. Ash tray. Des. 86,773; Apr. 19.
Hannon, Victor, Los Angeles, Calif. Window lock. 1,841,890; Jan. 19.
Hanns, Arthur, assignor to the Firm Hanns & Römer, Leipzig, Germany. Machine for molding plastic materials. 1,848,712; Mar. 8.
Hanns & Römer, The Firm. (See Hanns, Arthur, assignor.)
Hanunm, Byron F., assignor to Hunt & Dorman Manufacturing Company, Cleveland, Ohio. Fireproof filing container. 1,864,350; June 21.
Hannum, William A., Grand Lake, Colo. Automatic draft controlling device. 1,870,505; Aug. 9.
Hanovia Chemical and Manufacturing Company. (See Anderson, W. T., jr., and Fraser, assignors.)
Hanovia Chemical and Manufacturing Company. (See Bird, Lester F., assignor.)
Hanovia Chemical & Manufacturing Company. (See Wiebe, Arthur E., assignor.)
Hanrahan, Mary. (See Marshall, F. C., assignor, and Newett.)
Hanrahan, Richard, and G. Lacasse, Missoula, Mont. Revolving needle valve stem and governor. 1,865,316; June 28.
Hanrott, Harcourt C., Westminster, London, England. Perpetual calendar. 1,889,359; Nov. 29.
Hans, Edmund E., Detroit, Mich. Lubricant filter. 1,874,976; Aug. 30.
Hans, Philip, Company. (See Lacroix, George U., assignor.)
Hanseatische Muhlenwerke Aktiengesellschaft. (See Thiele, Friedrich W., assignor.)
Hansel, Carl W., Bedford, England. Optical apparatus. 1,889,600; Nov. 29.
Hansell, Clarence W., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Signaling. 1,849,620; Mar. 15.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. System for eliminating tube noise. 1,850,104; Mar. 22.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Detection of frequency modulated signals. 1,867,567; July 19.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency changer. 1,874,982; Aug. 30.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra short wave antenna system. 1,874,983; Aug. 30.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 1,868,795; July 26.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. High frequency meter connection. 1,874,977; Aug. 30.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Transmission system. 1,874,978; Aug. 30.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Phase multiplier and modulator. 1,874,979; Aug. 30.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Piezo-electric crystal. 1,874,980; Aug. 30.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Voltage regulator. 1,874,981; Aug. 30.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency multiplier and amplifier. 1,878,308; Sept. 20.

Hansell, John B., Pendleton, England, assignor to Westinghouse Electric and Manufacturing Company. Electrical transformer. 1,852,651 ; Apr. 5.

Hansen, A. L., Mfg. Company. (See Hansen, Augie L., assignor.)

Hansen, Albert E., assignor to Elkhart Brass Manufacturing Company, Elkhart, Ind. Valve. 1,854,837 ; Apr. 19.

Hansen, Albert M., and J. L. Jones, Portland, Oreg. Support for golf bags. 1,865,689 ; July 5.

Hansen, Alvin C. (See Bodine, E. P., and Hansen.)

Hansen, Augie L., assignor to A. L. Hansen Mfg. Company, Chicago, Ill. Weaving rig. 1,872,281 ; Aug. 16.

Hansen, Axel S., Minneapolis, Minn. Air drying and purifying apparatus. 1,866,207 ; July 5.

Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid actuated percussive tool. 1,846,804 ; Feb. 23.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,858,776 ; May 17.

Hansen, Charles C., Easton, assignor to Ingersoll-Rand Company, Jersey City, N. J. Hose coupling. 1,858,992 ; May 17.

Hansen, Charles C., South Orange, N. J., assignor to J. D. Erskine, Glen Cove, N. Y. Heat exchanger. 1,853,000 ; Apr. 5.

Hansen, Charles S., South Milwaukee, Wis. Valve. 1,877,859 ; Sept. 20.

Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Power transmission mechanism. 1,889,600 ; Nov. 29.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Treating gases. 1,840,579 ; Jan. 12.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Decomposing sulphur-oxygen compounds. 1,843,220 ; Feb. 2.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Removing hydrogen sulphide from gas mixtures. 1,843,224 ; Feb. 2.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Gas purification. 1,852,160 ; Apr. 5.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Gas purification. 1,852,161 ; Apr. 5.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Treating thiocyanogen compounds. 1,853,679 ; Apr. 12.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Gas purification. 1,854,511; Apr. 19.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Production of fertilizers. 1,855,856 ; Apr. 26.

Hansen, Christian J., Essen, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Obtaining mixtures of ammonium sulphate and di-ammonium phosphate. 1,866,564 ; July 12.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Treating thiocyanates. 1,878,982 ; Sept. 20.

Hansen, Christian J., Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Treating thiocyanates. 1,885,035 ; Oct. 25.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Recovering hydrogen sulphide from gas mixtures. 1,889,894 ; Dec. 6.

Hansen, Conrad T., Bywood, assignor to Hale & Kilburn Co., Philadelphia, Pa. Refrigeration cabinet. 1,859,239 ; May 17.

Hansen, Edmund H., New York, N. Y. Electric system for recording and reproducing sound. 1,857,451 ; May 10.

Hansen, Edmund H., New York, N. Y. Electric system for recording and reproducing sound. 1,860,502 ; May 31.

Hansen, Edmund H., Hollywood, Calif. Collecting sound. 1,887,637 ; Nov. 15.

Hansen, Emil C., assignor of one-half to R. Fussell, Media, Pa. Gauntlet top. 1,848,880 ; Mar. 8.

Hansen, Fred E., assignor to The Hansen Manufacturing Company, Cleveland, Ohio. Spraying device. 1,873,398 ; Aug. 23.

Hansen, Gustof L., assignor to The Gear Grinding Machine Company, Detroit, Mich. Apparatus for testing gear teeth. 1,886,543 ; Nov. 8.

Hansen, Hans C., West Hartford, and A. J. Bennett, assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Push switch. 1,883,786 ; Oct. 18.

Hansen, Hans L., Hemingford, Nebr. Potato digging apparatus. 1,848,781 ; Mar. 8.

Hansen, Herbert I., and J. A. Hinrichs, Paterson, N. J.; said Hinrichs assignor to said Hansen. Warp let-off attachment. 1,871,517 ; Aug. 16.

Hansen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Push button switch construction. 1,842,524 ; Jan. 26.

Hansen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Key cutting apparatus. 1,866,033 ; July 5.

Hausen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Key cutting apparatus. 1,866,034 ; July 5.

Hansen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Key cutting apparatus. 1,889,461 ; Nov. 29.

Hansen, Jasper, assignor to Faries Manufacturing Company, Decatur, Ill. Dental lighting fixture. 1,854,302 ; Apr. 19.

Hansen, Jasper, assignor to Faries Manufacturing Company, Decatur, Ill. Dental lighting fixture. 1,854,303 ; Apr. 19.

Hansen, Julius W., assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Coin control circuit closing apparatus. 1,864,649 ; June 28.

Hansen, Julius W., W. L. Hansen, and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Synchronous self-starting motor. 1,864,650 ; June 28.

Hansen, Mablin S., assignor to P. C. Reilly, Indianapolis, Ind. Flotation process. 1,863,013 ; June 14.

Hansen Manufacturing Company, The. (See Hansen, Fred E., assignor.)

Hansen Manufacturing Company. (See Hansen, Julius W., assignor.)

Hansen Manufacturing Company. (See Hansen, Julius W., and W. L., and Hurst, assignors.)

Hansen, Norman A., and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Liquid halogenated esters of fatty acids. 1,840,034 ; Jan. 5.

Hansen, Oswald H., Cedarburg, Wis. Heat treating edible substances. 1,887,450 ; May 10.

Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Can filling machine. 1,886,012 ; Nov. 1.

Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Quality grader. 1,887,239 ; Nov. 8.

Hansen, Paul, Copenhagen, Denmark. Compressor plant. 1,855,673 ; Apr. 26.

Hansen, Sern L., Cleveland, Ohio. Valve structure for gas engines. 1,868,261 ; Dec. 6.

Hansen, Sinius M., assignor, by mesne assignments, to A T Oil Burner Co., Lynn, Mass. Oil burner. 1,861,216 ; May 31.

Hansen, Sinius M., assignor, by mesne assignments, to Parco Specialty Co., Lynn, Mass. Coating ribbons, tapes, and other strips. 1,871,790 ; Aug. 16.

Hansen, Soren, Berwyn, Alberta, Canada. Harrow tooth. 1,887,409 ; Nov. 8.

Hansen, Theodor, Wuppertal-Barmen, Germany. Hose filter. 1,843,639 ; Feb. 2.

Hansen, Thomas A., assignor of one-fourth to J. P. Clary, Hartford, Conn. Nursing bottle holder. 1,874,514 ; Aug. 30.

Hansen, Thorvald, St. Ansgar, Iowa. Fence tool. 1,855,960 ; Apr. 26.

Hansen, Vigfus S., Lorah, Iowa. Spring tool. 1,872,579 ; Aug. 16.

Hansen, William L. (See Hansen, Julius W. and W. L., and Hurst.)

Hansen's, Chr., Laboratory, Inc. (See Spence, Byron, assignor.)

Hansentische Muhlenwerke Aktiengesellschaft. (See Schwieger, Albert, assignor.)

Hansen, William A., assignor to Rand McNally Company, Chicago, Ill. Display sheet rack. 1,866,208 ; July 5.

Hansen, William A., assignor to Rand McNally & Company, Chicago, Ill. Geographical globe structure. 1,877,306 ; Sept. 13.

Hansford, John, Enfield, assignor to The H. H. Gas Plant Syndicate, Limited, London, England. Manufacture of gas. 1,888,123 ; Nov. 15.

Hansford, Walter H., Earlwood, near Sydney, New South Wales, Australia. Motor suspension spring rebound damper. 1,890,987 ; Dec. 13.

Hansgirg, Fritz, Radenthein, Karnten, Austria. Production of metallic magnesium. 1,884,993 ; Oct. 25.

Hanskat, Rose, Chicago, Ill. Bracelet and lorgnette holder. 1,874,984 ; Aug. 30.

Hansmann, Anton C. (See Adams, D. G., and Hansmann.)

Hansmann, Paul, and H. Strack, Long Prairie, Minn.; said Strack assignor to said Hansmann. Plow. 1,843,977 ; Feb. 9.

Hanson, Adolph M., Faribault, Minn., assignor to Parke, Davis & Company, Detroit, Mich. Extract of parathyroid gland and preparing the same. 1,890,851 ; Dec. 13.

Hanson, Albert J., Arlington, Mass. Electric furnace. 1,872,942 ; Aug. 23.

Hanson, Albert J., Arlington, assignor to American Electric Furnace Company, South Boston, Mass. Electric furnace. 1,845,497 ; Feb. 16.

Hanson, Albert J., Arlington, assignor to American Electric Furnace Company, South Boston, Mass. Electric furnace. 1,854,374; Apr. 19.

Hanson, Alfred J., Cle Elum, Wash. Pipe and cigar and cigarette holder cleaner. 1,869,059; July 26.

Hanson, Andrew C., Racine, Wis. Controlling device for window shade rollers. 1,856,233; Apr. 26.

Hanson, Arthur F., assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Welding machine. 1,879,217; Sept. 27.

Hanson, Casper F., assignor to Olson Manufacturing Company, Albert Lea, Minn. Stanchion. 1,876,141; Sept. 6.

Hanson, C. H. Company, The. (See Hanson, Henry S., assignor.)

Hanson, Clifford O., assignor to The Hanson Clutch & Machinery Co., Tiffin, Ohio. Steering mechanism. 1,879,218; Sept. 27.

Hanson Clutch & Machinery Co., The. (See Hanson, Clifford O., assignor.)

Hanson, Dorothy D., Coeur d'Alene, Idaho. Cooling receptacle. 1,857,018; May 3.

Hanson, Edward C., and J. Soderholm, assignors to O. B. McClintock Company, Incorporated, Minneapolis, Minn. Humidifier for unit heaters. 1,862,184; June 7.

Hanson, Edward C., and S. R. Popp, assignors to O. B. McClintock Company, Minneapolis, Minn. Deal tray. 1,882,835; Oct. 18.

Hanson, Ernest R., Bloomfield, and M. E. Delaney, East Orange, N. J., assignors to Halowax Corporation, New York, N. Y. Sealing composition. 1,865,629; July 5.

Hanson, Estyle D. (See Joe Funk, J. A., and Hanson.)

Hanson, Gustaf W., Wichita, Kans. Lubricating system. 1,881,532; Oct. 11.

Hanson, Hans C., Albert Lea, Minn. Valve for carbureting and the like. 1,852,946; Apr. 5.

Hanson, Hans C., assignor to American Gas Machine Company, Albert Lea, Minn. Lighter of instantaneous type. 1,853,845; Apr. 5.

Hanson, Harry M., High Point, N. C., assignor to The Kennedy Car Liner & Bag Co., Shelbyville, Ind. Broom wrapper. 1,847,512; Mar. 1.

Hanson, Henry S., assignor to The C. H. Hanson Company, Chicago, Ill. Clip. 1,863,902; June 21.

Hanson, Howard V., Walla Walla, Wash. Trace support. 1,884,670; Oct. 25.

Hanson, Hugo H., and S. E. Seaman, Bangor, assignors to Eastern Manufacturing Company, South Brewer, Me. Preparation of alpha cellulose pulp by attrition. 1,869,291.

Hanson, John G., Kenmore, N. Y. Gear shift. 1,865,690; July 5.

Hanson, John M., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Surface polishing device. 1,876,923; Sept. 13.

Hanson, John R., Los Angeles, Calif., assignor of one-fourth to T. T. Word, Houston, Tex. Transmission. 1,887,304; Nov. 8.

Hanson, Karl B., and J. S. Mihalek, Saratoga Springs, N. Y. Veterinary mouth speculum. 1,843,221; Feb. 2.

Hanson, Louis, Spokane, Wash. Ventilating lavatory bowl. 1,885,715; Nov. 1.

Hanson, Louis, Company. (See Kincannon, Leo T., assignor.)

Hanson, Louis S., Cleveland, Ohio. Stop washer for wrist watches. 1,865,249; June 28.

Hanson, Martin C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Lamp housing. Des. 87,390; July 19.

Hanson & Orth. (See Worden, Edward C., 1st, assignor.)

Hanson, Perren J., assignor to Gleaner Combine Harvester Corporation, Independence, Mo. Combine harvester. 1,863,691; June 21.

Hanson, Robert L. (See Eyring, C. F., Hanson, and MacNair.)

Hanson, Rudolph L., Frewsburg, assignor to Jamestown Metal Desk Company, Jamestown, N. Y. File drawer. 1,867,218; July 12.

Hanson-Van Winkle-Munning Company. (See Graham, Arthur K., assignor.)

Hanson-Van Winkle-Munning Company. (See Hogaboom, George B., assignor.)

Hanson-Van Winkle-Munning Company. (See Hogaboom, G. B., and Lang, assignors.)

Hanson-Van Winkle-Munning Company. (See Wachter, Joseph, assignor.)

Hanson, Victor A., Chicago, Ill. Arc lamp construction. 1,882,577; Oct. 11.

Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Supporting standard for desk tops. 1,875,377; Sept. 6.

Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Seat. 1,875,449; Sept. 6.

Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Theater chair. 1,887,240; Nov. 8.

Hanstad, Kaare, Lillehammer, Norway. Potato harvesting machine. 1,868,113; June 14.

Hanway, John A., Detroit, Mich., assignor to Wagner Sign Service Inc., Chicago, Ill. Electric sign. 1,843,556; Feb. 2.

Hanyzer, Bruno, Tempelhof, near Berlin, and R. Behm, Charlottenburg, near Berlin, assignors to the Firm Multiplex Gasfernzunder-Gesellschaft m. b. H., Berlin, Germany. Electrically heatable kitchen utensil. 1,857,781; May 10.

Hanzlik, Henry J., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blading. 1,861,960; June 7.

Hanzlik, Paul J., San Mateo, Calif., assignor to The Board of Trustees of Leland Standford Junior University. Materials for treatment of neurosphilis and manufacture. 1,890,508; Dec. 13.

Hapgood, Clarence H., deceased, Toledo, Ohio; E. A. Hapgood, executrix, assignor to E. A. Hapgood. Safety razor. Re18,324; Jan. 5.

Hapgood, Clarence H., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,864,537; June 28.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Continuous milk delivery system. 1,844,956; Feb. 16.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,846,805; Feb. 23.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Valve for milking machines. 1,846,865; Feb. 23.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,854,304; Apr. 19.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,854,305; Apr. 19.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,854,306; Apr. 19.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Valve. 1,854,307; Apr. 19.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Pneumatic and electric connecter for milking machines. 1,882,320; Oct. 11.

Hapgood, Elma A. (See Hapgood, Clarence H., assignor.)

Hapgood, Elma A., executrix. (See Hapgood, Clarence H.)

Happel, Otto, Bochum, in Westphalia, Germany. Hothouse installation. 1,870,329; Aug. 9.

Harahan, Cull C., Memphis, Tenn. Operating means for gate valves. 1,872,282; Aug. 16.

Harase, Hanzaburo, Los Angeles, Calif. Electric color ray device. 1,867,940; July 19.

Harase, Hanzaburo, Los Angeles, Calif. Gas and vacuum tube electrode socket. 1,890,680; Dec. 13.

Harazin, Charles, assignor to G. R. Meyercord, Chicago, Ill. Cotton elevator. 1,885,437; Nov. 1.

Harb, John C. (See Pangratz, G. L., and Harb.)

Harbaugh, Dell F., assignor to Improved Products Company, Chicago, Ill. Machine for making pulp suitable for manufacture into fiberboard and paper. 1,842,984; Jan. 26.

Harber, Laurence S., and J. E. Pointon, Peterborough, England, assignors to Baker Perkins Company, Incorporated, New York, N. Y. Variable speed driving or transmitting gear. 1,881,220; Aug. 9.

Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Locking means. 1,873,643; Aug. 23.

Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Locking means. 1,873,644; Aug. 23.

Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Hatch cover locking means. 1,873,645; Aug. 23.

Harbert, Victor H., Chicago, Ill., assignor, by mesne assignments to Transerv Corporation. Hand brake pawl. 1,873,706; Aug. 23.

Harbert, Victor H., Chicago, Ill., assignor, by mesne assignments, to Illinois Railway Equipment Company. Floor rack connecting means. 1,875,922; Sept. 6.

Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return bend. 1,862,748; June 14.

Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Truck side frame. 1,868,529; July 26.

Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Side frame. 1,888,224; Nov. 22.

Harbison, James W., Youngstown, Ohio. Display shelf. 1,862,593; June 14.

Harbison, William C., assignor to Packard Motor Car Company, Detroit, Mich. Pump. 1,879,219; Sept. 27.

Harbord, Frank W., and W. London, England. Manufacture of metal billets, bars, and the like. 1,891,813; Dec. 20.

Harbord, Vernon. (See Harbord, Frank W. and V.)

Hard, Malcolm, Flushing, assignor to The Superheater Company, New York, N. Y. Exhaust steam injector. 1,870,006; Aug. 2.

Hard, Merrill W., et al. (See Martin, Emmet G., assignor.)

Hard, Merrill W., assignor of one-fourth to L. E. Richey, Los Angeles, Calif., and one-fourth to O. R. Englisch, Chicago, Ill. Vehicle support. 1,869,420; Aug. 2.

Hardcastle, Jasper A., Damon, assignor of one-fourth to J. H. Hardcastle, Houston, Tex., and one-fourth to R. L. Wilcox. Apparatus and process for cementing wells. 1,857,301 ; May 10.

Hardcastle, Jesse H., et al. (See Hardcastle, Jasper A., assignor.)

Harden, Johannes. (See Krook, B. J. E., and Harden.)

Harden, Ralph L., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Combination package. 1,890,988 ; Dec. 13.

Hardenberg, Jan J. C., Eindhoven, assignor to L. A. Nypels, The Hague, Netherlands. Device for manufacturing hollow glass bodies by means of pressing and blowing. 1,857,540 ; May 10.

Hardenbergh, Clarence M., et al. (See Sholtz, Richard J., assignor.)

Harder, Frank, Huntington Beach, J. B. Watson, Garden Grove, and C. W. Middleton, Long Beach, Calif.; said Middleton assignor to said Harder and said Watson. Beam counterbalance. 1,857,191 ; May 10.

Harder, Henry J., Beaver Dam, and H. R. Kotenberg, Waupun, Wis. Casket drawer. 1,858,796 ; July 26.

Hardesty, Ben F., assignor to Refined Sicel Products Company, Pittsburgh, Pa. Treating nonferrous metals. 1,841,599 ; Jan. 19.

Hardesty, Eugene, New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Ornamenting chinaware and the like. 1,868,230 ; July 19.

Hardesty, Francis D., Ferndale, Mich. Doorlock. 1,868,746 ; July 26.

Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Method of and apparatus for starting alternating current motors. 1,840,093 ; Jan. 5.

Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Motor control system. 1,863,403 ; June 14.

Hardick, Oliver L., Van Buren, Ark. Sponge cutting anchor. 1,865,564 ; July 5.

Hardick, Floyd W. (See Johnson, L. E., Winchell, Hardick, and Billik.)

Hardie, William H., assignor to Foster Wheeler Corporation, New York, N. Y. Steam generator. 1,876,291 ; Sept. 6.

Hardiman, James S., Ridgewood, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Machine and method for assembling articles. 1,881,533 ; Oct. 11.

Hardiman, James S., Ridgewood, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Automatic feed device. 1,882,578 ; Oct. 11.

Harding, Bradley B., assignor to Brown, Los Angeles, Calif. Cataloguing device. 1,845,410 ; Feb. 16.

Harding, Clarke T., Baton Rouge, La., assignor to Standard-16 Company. Refining hydrocarbon oils. 1,881,584 ; Oct. 11.

Harding, Frank W., Mason, Mich. Crevice filling implement. 1,841,746 ; Jan. 19.

Harding, Harold J., Ceres, Calif. Box end labeling machine. 1,855,628 ; Apr. 26.

Harding, Harold C., Wilkes-Barre, Pa. Typewriter pad. 1,846,255 ; Feb. 23.

Harding, Howard V., New York, N. Y. Riddle apparatus. 1,866,531 ; July 12.

Harding, Howard V., assignor to Gifford-Wood Company, Hudson, N. Y. Drive for limit switches and the like. 1,867,453 ; July 12.

Harding, Hurstun, New York, N. Y. Candy sugaring mechanism. 1,876,224 ; Sept. 6.

Harding, Robert, jr., White Plains, N. Y., assignor to Arcturus Radio Tube Company, Newark, N. J. Unitary element structure for vacuum tubes. 1,854,375 ; Apr. 19.

Harding, Robert, jr., White Plains, N. Y., assignor to Arcturus Radio Tube Company, Newark, N. J. Vacuum tube. 1,868,600 ; July 26.

Harding, Sherman A., assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Wheel boring machine. 1,861,529 ; June 7.

Harding, William H., Flushing, N. Y., and S. V. Burrows, Boston, Mass., assignor to The Kalbfleisch Corporation, New York, N. Y. Rosin size. 1,890,462 ; Dec. 13.

Hardinge Company. (See Hardinge, Harlowe, assignor.)

Hardinge Company, Incorporated. (See Sancton, Arthur H., assignor.)

Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Joint seal. 1,859,771 ; May 24.

Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Grinding mill. 1,872,036 ; Aug. 16.

Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Grinding mill. 1,874,985 ; Aug. 30.

Hardman, Cornelius B., Columbus, Ohio. Valve mechanism for internal combustion engines. 1,875,238 ; Aug. 30.

Hardman, Coy H., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer loader. 1,870,506 ; Aug. 9.

Hardman, Coy H., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer loader. 1,883,369 ; Oct. 18.

Hardman, Coy H., and M. H. Thomas, Zanesville, Ohio, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Ware-steadying mechanism. 1,886,096 ; Nov. 1.

Hardman, Frederick J., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Windshield wiper. 1,871,987 ; Aug. 16.

Hardman, Frederick J., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Windshield wiper. 1,871,988 ; Aug. 16.

Hardt, Albin. (See Kränzlein, G., Hartmann, and Hardt.)

Hardt, Heinrich, Jena-Lichtenhain, Germany. Stethoscope. 1,847,607 ; Mar. 1.

Hardtmann, Max. (See Hentrich, W., and Hardtmann.)

Hardtmann, Max. (See Hentrich, W., Hardtmann, Hilger, and Kroche.)

Hardtmann, Max. (See Hentrich, W., Hardtmann, Hilger, and Zerweck.)

Hardtmann, Max. (See Hentrich, W., Hardtmann, Knoche, and Stusser.)

Hardtmann, Max. (See Hentrich, W., Hardtmann, and Ossenbeck.)

Hardtmann, Max, Naunhof, near Leipzig, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azodyestuffs. 1,879,223 ; Sept. 27.

Hardway, E. V., trustee. (See Stukes, Horace A., assignor.)

Hardwick, Allyn, et al. (See Manuel, Theodore Z., assignor.)

Hardwick, Christopher L. Cleveland, Tenn. Stove. Des. 88,148 ; Nov. 1.

Hardwick Hindle, Inc. (See Crouse, George B., assignor.)

Hardwick Stove Company. (See Hurt, Robert B., assignor.)

Hardwick Stove Company. (See Lee, James F., assignor.)

Hardwick Stove Company. (See Lee, Jerome, assignor.)

Hardwick Stove Company. (See Thompson, Robert A., assignor.)

Hardwicke-Etter Company. (See Streun, John A., assignor.)

Hardy, Charles, assignor, by mesne assignments, to Dejur-Amsco Corporation, New York, N. Y. Air condenser. 1,860,670 ; May 31.

Hardy, Clement A., Chicago, assignor to Whiting Corporation, Harvey, Ill. Support for cupola buckets. 1,862,185 ; June 7.

Hardy, Clyde V., and P. J. Johnston, Schenectady, N. Y., assignors to General Electric Company. Liquid pressure measuring apparatus. 1,871,410 ; Aug. 9.

Hardy, Donovan H., Manila, Philippine Islands, assignor of one-third to R. V. Skar, Omaha, Nebr. Marking stamp. 1,879,932 ; Sept. 27.

Hardy, Frank, Cheyenne, Wyo. Shopping bag. 1,841,891 ; Jan. 19.

Hardy, Peter. (See Thomson, J. M., and Hardy.)

Hardy, Peter S., New York, N. Y. Combination shower bath spray, bath sponge, and massage device. 1,840,812 ; Jan. 12.

Hardy, Peter S., Stratford, Conn., assignor to Health Developing Apparatus Company, Inc., New York, N. Y. Front frame member for rowing machines. Des. 87,059 ; May 31.

Hardy, Peter S., Stratford, Conn., assignor to Health Developing Apparatus Company, Inc., New York, N. Y. Front frame member for rowing machines. Des. 87,153 ; June 14.

Hardy, Peter S., Stratford, Conn., assignor to Health Developing Apparatus Company, Inc., New York, N. Y. Rear frame member for rowing machines. Des. 87,154 ; June 14.

Hardy, Peter S., Stratford, Conn., and T. Smith, Chicago, Ill., assignors to United Health Equipment Company, Chicago, Ill. Exercising apparatus. Des. 87,261 ; June 28.

Hardy, Thomas M., et al. (See Davis, Dean W., assignor.)

Hardy, William, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Detachable handle for cooking utensils. 1,840,775 ; Jan. 12.

Hare, René G., Ardmore, Pa. Electric heating unit. 1,886,880 ; Nov. 8.

Harer, Auguste, Vienne-le-Chateau, France. Circular knitting machine. 1,871,609 ; Aug. 16.

Harford, John K., Clarkston, Wash. Water sprinkler. 1,865,906 ; July 5.

Hargrave, Fred M., Cedar Rapids, Iowa. Mobile melting and distributing apparatus. 1,855,961 ; Apr. 26.

Hargrave, John M., Cincinnati, Ohio. Drill. 1,881,535 ; Oct. 11.

Hargreaves, Albert, Akron, Ohio. Tire. Des. 87,467 ; Aug. 2.

Hargraves, Samuel S., S. De Orlow, and J. W. Wilford, assignors, by mesne assignments, to Melling Forging Company, Lansing, Mich. Air intake device. 1,875,332 ; Sept. 6.

Hargreaves, Clifford, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Loom attachment. 1,883,370 ; Oct. 18.

Hargreaves, George A., assignor of one-half to W. T. Hargreaves, George A., assignor of one-half to W. T. Owens, Evanston, Ill. Tire hose coupling. 1,890,290 ; Dec. 6.

Hargreaves, John F., assignor to The Faultless Manufacturing Company, Baltimore, Md. Band for garments. 1,873,583 ; Aug. 23.

Hargreaves, Robert, assignor to Whitin Machine Works, Whitinsville, Mass. Motor drive for spinning or twisting machines. 1,869,686 ; Aug. 2.

Hargreaves, William, Timperley, assignor of one-half to R. L. Ross and Company Limited, Stockport, England. Safety valve. 1,877,457; Sept. 13.

Hargroves, Willis W., Portsmouth, Va. Fastener for baskets and like containers. 1,849,326; Mar. 15.

Hargroves, Willis W., jr., assignor to Planters Manufacturing Co., Inc., Portsmouth, Va. Shipping basket cover fastener. 1,880,132; Sept. 27.

Harig, Benjamin. (See Goldsmith, W. M., and Harig.)

Harig, Nicolaus, Hermansens, Pala (rum.), assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes and heels. 1,885,257; Nov. 1.

Haring, Elizabeth J., Spokane, Wash. Portable bathtub equipment. 1,881,405; Oct. 4.

Haring, Horace E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reference electrode. 1,881,156; Oct. 4.

Haring, Ulysses G., assignor of one-fourth to G. Escher, Washington, D. C., and one-fifth to H. R. Buehner, Laurel Springs, N. J. Water closet. 1,856,553; May 3.

Haring, Walter J. (See McKee, Archibald D., assignor.)

Harker, Frederick, South Ardmore, assignor to Wall & Ochs, Incorporated, Philadelphia, Pa. Portable eye testing apparatus. 1,874,986; Aug. 30.

Harker, Hyrum S. (See Malcom, H. L., and Harger.)

Harkin, Patrick L. (See Worden, C. C., and Harkin.)

Harkom, John F., Ottawa, Ontario, Canada. Foam breaker. 1,847,648; Mar. 1.

Harlan, Marion E., assignor to A. Schilling & Co., San Francisco, Calif., Display rack. 1,859,871; May 24.

Harland Engineering Company of Canada Limited, The. (See Johnstone, R. G., and Phillips, assignors.)

Harley-Davidson Motor Company. (See Harley, William S., assignor.)

Harley-Davidson Motor Co. (See Thonger, John R., assignor.)

Harley, Edna C. (See Harley, Orval K., assignor.)

Harley, Joseph J., Granite City, and E. S. Bertram, East St. Louis, assignors to Internal Steel Castings Corporation, Granite City, Ill. Railway vehicle structure. 1,868,530; July 26.

Harley, Orval K., assignor to E. G. Harley, Jenks, Okla. Snap. 1,844,652; Feb. 9.

Harley, Thomas J., assignor to C. F. Reis, Chicago, Ill. Rotor for magneto. 1,843,222; Feb. 2.

Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Steering damper. 1,850,343; Mar. 22.

Harling, John W. (See Neese, William A., assignor.)

Harlow, Earl V., Jersey City, N. J., assignor to The Koppers Company of Delaware. Liquid distributing apparatus. 1,876,669; Sept. 13.

Harlow, Ivan F., and O. C. Ross, assignors to The Dow Chemical Company, Midland, Mich. Preparation of brominated hydrocarbons. 1,891,415; Dec. 20.

Harm, George O., Warren, assignor to The Stevens Metal Products Company, Niles, Ohio. Cement loading device. 1,852,282; Apr. 5.

Harman, Frank B., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding leg for tables and the like. 1,855,857; Apr. 26.

Harman, Frank B., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Hospital table. 1,889,783; Dec. 6.

Harmer, Otto R. (See Braaten, E. O., and Harmer.)

Harmon, Benjamin G., Evanston, Ill., assignor to The Gas Machinery Company, Cleveland, Ohio. Industrial furnace. 1,881,536; Oct. 11.

Harmon, Edwin L., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 1,845,496; Feb. 16.

Harmon, Fred M., Wickliffe, assignor of one-third to H. R. Haygood, Cleveland, Ohio. Boiler cleaning apparatus. 1,856,059; Apr. 26.

Harmon, John B. (See Wiener, J. A., and Harmon.)

Harmon, Robert R., Baltimore, Md., assignor to Peabody Engineering Corporation, New York, N. Y. Cleaning gas. 1,844,849; Feb. 9.

Harmon, Robert R., Baltimore, Md., assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus for cleaning blast furnace gas. 1,844,850; Feb. 9.

Harmon, Robert R., Charlottesville, Va., assignor to Peabody Engineering Corporation, New York, N. Y. Removing suspended solids and liquids from gases and vapors. 1,844,851; Feb. 9.

Harmon, Robert R., Charlottesville, Va., assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus for removing suspended articles from gases and vapors. 1,880,017; Sept. 27.

Harmon, Robert R., Charlottesville, Va., assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus for cleaning gases. 1,880,018; Sept. 27.

Harmony Company, The. (See Nichols, James A., assignor.)

Harmony, Florence M. (See Harmony, Harry H., assignor.)

Harmony, Harry H., assignor to F. M. Harmony, Chambersburg, Pa. Flower receptacle. 1,879,220; Sept. 27.

Harms, Richard, Lubeck, Germany. Holder for neckties. 1,859,669; May 24.

Harms, Viggo, Berlin, Germany, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Making phosphoric acid. 1,839,478; Jan. 5.

Harnden, Millard G., Seattle, Wash. Ice cream dieing out machine. 1,848,250; Mar. 8.

Harnden, Millard G., Seattle, Wash. Stamping ice cream shapes. 1,891,230; Dec. 20.

Harness, J King, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,867,558; July 12.

Harness, J. King, and W. E. Hann, assignors to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,872,580; Aug. 16.

Harness, Leroy E., and S. A. Bokovoy, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator. 1,858,271; May 17.

Harnett, Leroy E. (See Davis H. C., and Harnett.)

Harnett, Lewis D., Columbus, Ohio, assignor, by mesne assignments, to Buckeye Blower Company. Radiator. 1,847,608; Mar. 1.

Harnett, Lewis D., Columbus, Ohio, assignor, by mesne assignments, to Buckeye Blower Company. Removable filler unit heater. 1,847,609; Mar. 1.

Harnett, Lewis D., assignor to The Buckeye Blower Company, Columbus, Ohio. Double radiator with means of expansion on radiators. 1,879,902; Sept. 27.

Harnett, Lewis D., assignor to The Buckeye Blower Company, Columbus, Ohio. Unit heater. 1,886,337; Nov. 1.

Harnett, Lewis D., and C. N. O'Day, assignor to The Buckeye Blower Company, Columbus, Ohio. Radiator. 1,887,093; Nov. 8.

Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Backing for plastic material. 1,856,633; May 3.

Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Apparatus for making products from plastic material. 1,887,758; Nov. 15.

Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Making products from plastic material. 1,887,759; Nov. 15.

Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Shearing mechanism. 1,887,952; Nov. 15.

Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Insulating board. 1,890,096; Dec. 27.

Harnischfeger Corporation. (See Andersen, N. P. E., & Bradley.)

Harnischfeger Corporation. (See Been, Paul, assignor.)

Harnischfeger Corporation. (See Bergmann, Reinhard, assignor.)

Harnischfeger Corporation. (See Brown, Robert L., assignor.)

Harnischfeger Corporation et al. (See Clark, Malcom S., assignor.)

Harnischfeger Corporation. (See Hoffman, George R., assignor.)

Harnischfeger Corporation. (See Lexa, George J., assignor.)

Harnischfeger Corporation. (See Lillard, Gwynn L., assignor.)

Harnischfeger Corporation. (See Ljungkull, Rolf, assignor.)

Harnischfeger Corporation. (See Paulsen, Alex, assignor.)

Harnischfeger Corporation. (See Standfuss, Ernest R., assignor.)

Harnischfeger Corporation. (See Traupmann, Raymond J., assignor.)

Harnly, David H., Chicago, Ill. Weather proofing structure for windows. 1,851,904; Mar. 29.

Harnsberger, Audley E., assignor to The Pure Oil Company, Chicago, Ill. Pressure relief mechanism. 1,874,742; Aug. 30.

Harnsberger, Audley E., assignor to The Pure Oil Company, Chicago, Ill. Apparatus for distilling hydrocarbon oils. 1,878,845; Sept. 20.

Harnsberger, Audley E., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Oil heating still. 1,882,579; Oct. 11.

Harnsberger, Audley E., and C. L. Smith, Chicago, Ill., assignors to Gyro Process Company, Detroit, Mich. Catalytic core. 1,873,707; Aug. 23.

Harnsberger, Audley E., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Oil converter. 1,885,716; Nov. 1.

Harnsberger, Audley E., assignor to The Pure Oil Company, Chicago, Ill. Treating hydrocarbon oils. 1,887,018; Nov. 8.

Harnsberger, Audley E., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Tubular heater. 1,887,155; Nov. 8.

Harnsberger, Audley E., and C. L. Smith, Chicago, Ill., assignors to Gyro Process Company, Detroit, Mich. Producing catalytic cores. 1,874,743; Aug. 30.

Harnsberger, Audley E. and C. L. Smith, Chicago, Ill., assignors to Gyro Process Company, Detroit, Mich. Apparatus for cracking hydrocarbon oils. 1,889,199; Nov. 29.

Harold, Herschel H. (See Conway, I. M., and Harold.)

Haroldson, Arthur H., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, N. J. Resistor material and making the same. 1,872,581; Aug. 16.

Harper, Arthur J. C., Chicago, Ill. Garment edge. 1,862,377; June 7.

Harper, Carl B., Washington, D. C. Airplane. 1,880,019; Sept. 27.

Harper, Donald A. (See Damarin, F. L., and Harper.)
Harper Electric Furnace Corporation. (See Kelleher, James, assignor.)
Harper, Elmer E., Kansas City, Mo. Material mixing, feeding, and measuring apparatus. 1,875,450; Sept. 6.
Harper, George A., assignor to Burlington Brass Works, Burlington, Wis. Valve. 1,881,537; Oct. 11.
Harper, George H., Tulsa, Okla. Collar button. 1,849,006; Mar. 8.
Harper, George W., McNeil, Ark. Baseball cleat. 1,867,219; July 16.
Harper, Hugh. (See Grant, F. B., and Harper.)
Harper, John, Pontiac, Mich. Protector for the outside baseboard of a window. 1,859,392; May 24.
Harper, John M. (See Doub, Edwin A., assignor.)
Harper, Philip S., Chicago, Ill. Gas range cock. 1,882,969; Oct. 18.
Harper, Robert B., assignor to The Bartlett Hayward Company, Baltimore, Md. Centrifugal dry-dust arrester. 1,876,092; Sept. 6.
Harper, William, jr., Port Washington, assignor to Super-Marine Systems, Inc., New York, N. Y. Covering aerofoils. 1,861,955; June 7.
Harper, William W. (See Berg, F. A., and Harper.)
Harrell, Arthur C., Pensacola, Fla. Automatic train pipe coupling. 1,886,398; Nov. 8.
Harrington, Harold W., Melrose, assignor to Hersey Manufacturing Company, Boston, Mass. Method of and mechanism for conditioning starch. 1,872,284; Aug. 16.
Harrigan, William, Jersey City, N. J., assignor to The Texas Company, New York, N. Y. Lubricating apparatus. 1,879,221; Sept. 27.
Harriman, Charles B., West Bridgewater, Mass. Shock absorber. 1,859,441; May 24.
Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Fluid cooled roll. 1,867,148; July 12.
Harrington, Clarence T. (See Haeberle, H. C., and Harrington.)
Harrington, Claude L., assignor to White Star Refining Company, Detroit, Mich. Valve device. 1,881,538; Oct. 11.
Harrington Cutlery Company. (See Putnam, F. L., and Morse, assignors.)
Harrington, Estelle P. (See Kline, C. L., and Harrington.)
Harrington, Ferris T., assignor to Whitman & Barnes, Incorporated, Detroit, Mich. Tool holder. 1,862,623; June 14.
Harrington, Fredrick and H., St. Cloud, Minn. Fish lure. 1,866,465; July 5.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Drill. 1,879,222; Sept. 27.
Harrington, Henry B. (See Kline, C. L., and Harrington.)
Harrington, Hiram, P. (Harrington, Fredk. and H.)
Harrington, John A., assignor of one-half to J. Wood, Oakland, Calif. Ice cream dispenser. 1,846,423; Feb. 23.
Harrington, Joseph. (See Berrigan, J. B., and Harrington.)
Harrington & King Perforating Company, The. (See Crapman, Frederick D., assignor.)
Harrington & King Perforating Company. (See Dean, Ruth A., assignor.)
Harrington & King Perforating Company. (See Fuchs, Owen B., assignor.)
Harrington & King Perforating Company. (See Jorgensen, Hans L., assignor.)
Harrington & King Perforating Company. (See Lapteff, Alexis V., assignor.)
Harrington & King Perforating Company, The. (See Sella, Louis, assignor.)
Harrington & King Perforating Company. (See Rogge, Bernard, assignor.)
Harrington, Lewis W., New York, N. Y. Drain outlet. 1,889,757; Jan. 5.
Harrington, Norman S., Cleveland, Ohio, assignor, by mesne assignments, to General Electric Company. Welding and brazing rod. 1,852,847; Apr. 5.
Harrington, Samuel A., Euclid, Ohio. Cooking stove. 1,847,529; Mar. 1.
Harris, Alexander, Newark, N. J., assignor to Art Metal Works, Inc. Sign arrangement. 1,841,806; Jan. 19.
Harris, Alexander B. B., Richmond, Va. Combination hose reel and sprinkler. 1,881,539; Oct. 11.
Harris, Alexander B. B., assignor of one-fourth to Frank H. T. Potter, Chicago, Ill. Spillway control method and apparatus. 1,867,316; July 12.
Harris, Arch W. (See Charlesworth, S. I., and Harris.)
Harris, Arch W. (See Charlesworth, S. I., Harris, and Linder.)
Harris, Arthur J., Paterson, N. J. Ribbon pack. 1,868,601; July 26.
Harris, Benjamin F. (See Epstein, A. K., and Harris.)
Harris, Benjamin R. (See Reynolds, M. C., and Harris.)
Harris, Benjamin R., Chicago, Ill. Preventing discoloration of vegetables. 1,842,720; Jan. 26.
Harris, Benjamin R., Chicago, Ill. Refrigerating system. 1,883,899; Oct. 25.
Harris, Blaine H., and E. F. Craft, assignors to Brown & Bigelow, St. Paul, Minn. Ash receiver. 1,881,540; Oct. 11.
Harris Bros. Silk Company. (See Wylie, Andrew, assignor.)
Harris, Carl C., Orange, Mass. Combination safety swimming float. 1,867,507; July 12.
Harris, Carl C., Orange, Mass. Swimming float. 1,870,507; Aug. 9.
Harris, Carl C., Orange, Mass. Swimming float. 1,873,197; Aug. 23.
Harris, Carl C., and H. W. Cadwell, Orange, Mass.; said Cadwell assignor to said Harris. Bathing trolley. 1,873,196; Aug. 23.
Harris, Charles E., Montpeller, Idaho. Tank cap lock. 1,886,013; Nov. 1.
Harris, Charles K., Kansas City, Mo. Saw set. 1,887,360; Nov. 8.
Harris, Charles L., jr., and C. H. Salstrom, St. Edward, Nebr. Valve tool. 1,875,595; Sept. 6.
Harris, Charles R. (See Carlisle, P. J., and Harris.)
Harris, Charles R., and A. L. Pitman, Niagara Falls, assignors, by mesne assignments, to The Roessler and Hasslacher Chemical Company, New York, N. Y. Composition of matter. 1,878,276; Sept. 20.
Harris, Charley, et al. (See Hamby, Joseph E., assignor.)
Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Discharge conduit control device. 1,850,966; Mar. 22.
Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Greasing apparatus. 1,858,155; May 10.
Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Motor base. 1,878,983; Sept. 20.
Harris, Cleo, and C. G. Butler, assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricating apparatus. 1,870,195; Aug. 2.
Harris, Clifford G., Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Separating gases or vapors. 1,872,080; Aug. 16.
Harris, Ernest. (See Diggins, Thomas L., assignor.)
Harris, Florence D., for Thomas, Ky. Dispensing cabinet. 1,845,598; Feb. 16.
Harris, Ford W. (See Turner, Charles L., assignor.)
Harris, Ford W., Los Angeles, Calif. Gas lift device for pumping wells. 1,845,149; Feb. 16.
Harris, Ford W., Los Angeles, Calif. Gas-lift pump. 1,850,269; Apr. 12.
Harris, Frank C., Cleveland, Ohio, assignor to The American Monorail Company. Overhead conveyor system. 1,869,421; Aug. 2.
Harris, Frank C., Cleveland, Ohio, assignor to The American Monorail Company. Drip frame trolley. 1,869,422; Aug. 2.
Harris, Frank L., Stockton, Calif. Two-way electric switch. 1,851,358; Mar. 29.
Harris, Frank W., New Bedford, Mass. Humidifying apparatus. 1,873,884; Aug. 2.
Harris, Fred, Anchorage, Alaska. Magnetic separator. 1,865,747; Nov. 1.
Harris, George H., Utica, assignor to American La France and Foamite Corporation, New York, N. Y. Foam extinguishing system. 1,885,258; Nov. 1.
Harris, Gordon D., assignor to Industrial Dryer Corporation Stamford, Conn. Process and apparatus for humidifiers. 1,853,419; Apr. 12.
Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Humidifier. 1,853,420; Apr. 12.
Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Humidifying device. 1,853,421; Apr. 12.
Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Process for humidifying materials. 1,853,422; Apr. 12.
Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Casing tobacco. 1,853,423; Apr. 12.
Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Method and apparatus for treating material. 1,853,424; Apr. 12.
Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Casing tobacco. 1,853,800; Apr. 12.
Harris, Gordon D., Sound Beach, assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying liquid materials. 1,866,768; July 12.
Harris, Gordon D., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying liquid materials. 1,866,769; July 12.
Harris, Harry, Miami, Fla. Glazier's point driver. 1,870,330; Aug. 9.
Harris, Harry, assignor to Largman, Gray Company, Croydon, Pa. Knitted fabric for hosiery. 1,877,458; Sept. 13.
Harris, Henry, London, England. Conversion of molten metals directly into a solid fabricated state. 1,850,668; Mar. 22.
Harris, Henry, London, England. Lead alloy. 1,860,095; May 24.
Harris, Henry H., Detroit, Mich. Heat treating receptacle. 1,882,580; Oct. 11.
Harris, Henry H., assignor to Noble & Harris, Detroit, Mich. Landing gear. 1,864,134; June 21.
Harris, Henry H., Detroit, Mich., and G. C. McCormick, Needham, assignors to General Alloys Company, Boston, Mass. Roller rail for industrial heating furnaces. 1,881,184; Oct. 4.

Harris, Henry K., London, England. Advertising device, publicity telegraph, and the like. 1,865,371; June 28.
Harris, Henry K., Westminster, London, England. Advertising and signaling device. 1,877,172; Sept. 13.
Harris, Henry K., Westminster, London, England. Advertising and signaling device. 1,888,599; Nov. 22.
Harris, Irving C., Los Angeles, Calif. Well drilling machine. 1,891,416; Dec. 20.
Harris, James C. P., Kannapolis, N. C. Crank shaft for looms. 1,853,610; Apr. 12.
Harris, James E. (See Schmissrauter, J. M., and Harris).
Harris, James E., Newark, and J. H. White, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Refining of copper. 1,852,162; Apr. 5.
Harris, Jason, assignor to The Harris Wrench Company, Inc., Mount Airy, N. C. Wrench. 1,847,959; Mar. 1.
Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Cooking utensil. 1,848,713; Mar. 8.
Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity meter. 1,856,554; May 3.
Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity meter. 1,856,555; May 3.
Harris, John D., Larchmont, N. Y. Rug. 1,871,849; Aug. 16.
Harris, John L., Thomson, N. Y. Hydraulic felt conditioner or the like. 1,850,508; May 24.
Harris, John W., Los Angeles, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Illuminated sign construction. 1,873,584; Aug. 23.
Harris, Joseph, Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,877,308; Sept. 13.
Harris, Joseph B., jr., Los Angeles, Calif. Color photography. 1,848,714; Mar. 8.
Harris, Joseph B., jr., Los Angeles, Calif. Color photography. 1,857,083; May 3.
Harris, Joseph B., jr., Los Angeles, Calif. Color photography. 1,865,186; June 28.
Harris, Leo, assignor to Professional Shoe Corporation, Chicago, Ill. Ballet slipper and making the same. 1,844,585; Feb. 9.
Harris, Leonard B. (See Harris, Walter B. and L. B.)
Harris, Mark. (See Hastings, R. W., and Harris.)
Harris, Max, Buffalo, N. Y. Wax spatula. 1,880,176; Sept. 27.
Harris, Neal C., Guide Rock, Nebr. Traction wheel. 1,879,149; Sept. 16.
Harris, Ora E., Kearney, Nebr. Confection coating apparatus. 1,847,760; Mar. 1.
Harris, Ora E., Kearney, Nebr. Metallic receptacle. 1,852,652; Apr. 5.
Harris, Percival, Woodside, N. Y. Artificial eyelashes for dolls. Re18,337; Jan. 10.
Harris, Percival, Rockaway Park, N. Y. Doll. 1,868,166; July 19.
Harris, Ramsay L., Claremont, and D. E. Keech, Glendale, Calif., Fountain pen filling device. 1,875,866; Sept. 6.
Harris, Ray L., Fort Wayne, Ind., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Bern and shoulder attachment for road rollers, etc. 1,840,230; Jan. 5.
Harris and Reed Manufacturing Company. (See Reed, Edward A., assignor.)
Harris, Reginald M., Fanwood, N. J., assignor to The Superheater Company, New York, N. Y. Header joint. 1,850,600; Mar. 25.
Harris, Robert B., Houston, Tex. Propelling means. 1,875,451; Sept. 6.
Harris, Russell E., St. Mary's, Ontario, Canada. Pencil sharpener. 1,858,891; May 17.
Harris-Seybold-Potter Company. (See Droitcour, Michael A., assignor.)
Harris-Seybold-Potter Company. (See Harrold, Charles W., assignor.)
Harris, Seybold, Potter Company. (See Kaddeland, Christen R., assignor.)
Harris-Seybold-Potter Company, The. (See Seybold, Frederick W., assignor.)
Harris, Sidney E. (See Nitardy, F. W., Christiansen, and Harris.)
Harris, Sol W., et al. (See Weinman, Edwin L., assignor.)
Harris, Walter A., Washington, Pa. Watering trough. 1,887,681; Nov. 15.
Harris, Walter B. and L. B., assignors to Wobble Engine Co., Inc., New York, N. Y. Power unit. 1,844,386; Feb. 9.
Harris, William, Paterson, N. J. Loom. 1,845,150; Feb. 16.
Harris, William A. (See Ralstin, William E., assignor.)
Harris, William L., assignor to Motoscope Corporation of America, Chicago, Ill. Method of and apparatus for testing internal combustion engines. 1,867,698; July 19.
Harris, William W., Brockton, Mass. Gas extension light. 1,854,791; Apr. 19.
Harris, William W., assignor to Continental Motors Corporation, Detroit, Mich. Vibration damper. 1,874,515; Aug. 30.
Harris Wrench Company, The. (See Harris, Jason, assignor.)
Harrison, Alfred F. (See Peard, Oliver L. and S. M., and Harrison.)
Harrison, Arthur B. B., et al., executors and trustees. (See Harrison, Herbert C.)
Harrison, Arthur W., assignor of one-half to Kay-Brunner Steel Products, Inc., Los Angeles, Calif. Six wheel suspension for vehicles. 1,891,642; Dec. 20.
Harrison, Burt S., Brooklyn, N. Y. Conveying system. 1,861,600; June 7.
Harrison, Carter A. (See Le Compte, E. J., and Harrison.)
Harrison, Charles. (See Snarck, Jack, assignor.)
Harrison, Charles F. R., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Production of hydrocarbons. 1,873,565; Aug. 23.
Harrison, Charles F. R., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Separation of gaseous and liquid products. 1,890,852; Dec. 13.
Harrison, Charles L. jr., Cincinnati, Ohio. Clock casing. Des. 86,023; Jan. 19.
Harrison, Charles P., Wesleyville, assignor to Jarecki Manufacturing Co., Erie, Pa. Reel. 1,852,617; Apr. 5.
Harrison, Clifford L., assignor to American Engineering Company, Philadelphia, Pa. Air regulator for tuyères. 1,892,052; Dec. 27.
Harrison, Florence M., et al., executors and trustees. (See Harrison, Herbert C.)
Harrison, Frank L., Coogee, New South Wales, Australia. Drop down table or seat. 1,890,289; Dec. 6.
Harrison, George M., Suitland, Md. Hoe blade. 1,842,605; Jan. 26.
Harrison, Grace G., Chicago, Ill. Powder-puff. 1,852,566; Apr. 5.
Harrison, Henry A., Jamestown, N. Dak., assignor of one-half to R. H. Harrison, New Brunswick, N. J. Saw filing or sharpening device. 1,852,518; Apr. 5.
Harrison, Henry C. (See Flanders, P. B., and Harrison.)
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Talking motion picture system. 1,847,181; Mar. 1.
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Power transmitting mechanism. 1,865,005; June 28.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording. 1,868,321; July 19.
Harrison, Herbert C., deceased, Lockport, N. Y.; F. M. Harrison, A. B. S. Harrison and W. Campbell, executors and trustees. Electrolytic apparatus. 1,864,490; June 21.
Harrison, James M., Cleveland, Ohio. Radiator. 1,892,219; June 7.
Harrison, Jamison R., Middletown, Conn., assignor to Wired Radio, Inc., New York, N. Y. Multi-electrode tube oscillator circuits. 1,866,006; June 14.
Harrison, Jesse, Waco, Tex. Combination tooth brush and paste holder. 1,844,036; Feb. 9.
Harrison, Jesse B., Wakefield, Mass. Support for invalids. 1,888,592; Nov. 22.
Harrison, John K. M., Ogontz, Pa. Mine. 1,844,575; Feb. 9.
Harrison, John S., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Liquid heating and vaporizing. 1,856,074; May 3.
Harrison, Myrl, Cincinnati, assignor to The Kurz-Kasch Company, Dayton, Ohio. Container lid. Des. 87,963; Oct. 18.
Harrison, Newton, Milford, Conn. Storage battery. 1,846,329; Feb. 23.
Harrison, Owen L., Coleta, Ill., assignor of two-fifths to S. M. Harrison, New York, N. Y. Heating flat irons on kerosene stoves. 1,867,073; July 12.
Harrison Radiator Corporation. (See Muir, Wellington, W., assignor.)
Harrison Radiator Corporation. (See Walker, Norman, assignor.)
Harrison Radiator Corporation. (See White, James A., assignor.)
Harrison, Raymond L., Albuquerque, N. Mex. Earth moving device. 1,846,559; Feb. 23.
Harrison, Richard L. (See Peffer, H. C., Harrison, and Ross.)
Harrison, Richard L. (See Ross, D. E., Wymer, and Harrison.)
Harrison, Robert E. W., and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,849,231; Jan. 5.
Harrison, Robert E. W., F. S. Haas, and G. W. Binns, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machinery. 1,877,572; Sept. 13.
Harrison, Robert H. (See Harrison, Henry A., assignor.)
Harrison, Shelby M. (See Harrison, Owen L., assignor.)
Harrison Steel Castings Co., The. (See Eckhart, Marvin L., assignor.)
Harrison Steel Castings Company, The. (See Woodhall, William H., assignor.)
Harrison, T. F. (See Hutchings, Pryer H., assignor.)

Harrison, Thomas G., assignor to Winston and Newell Company, Minneapolis, Minn. Refrigerating goods-display device. 1,881,541; Oct. 11.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument switch. 1,842,371; Jan. 19.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Metering system. 1,855,757; Apr. 26.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Integrating mechanism for metering instruments. 1,856,039; Apr. 26.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Instrument case. 1,859,872; May 24.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Marine flow meter. 1,860,477; May 31.

Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 1,863,373; June 14.

Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Manometer. 1,891,154; Dec. 13.

Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Metering. 1,891,155; Dec. 13.

Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Manometer. 1,891,156; Dec. 13.

Harriss, Edwin A. (See Hirsch, L., and Harriss.)

Harrold, Charles W., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Plate-clamp. 1,853,208; Apr. 5.

Harrold, Edward T., assignor to Hotchkiss Steel Products Company, Binghamton, N. Y. Connecting and aligning device for road rail forms. 1,842,549; Jan. 26.

Harrold, Edward T., assignor to Hotchkiss Steel Products Company, Binghamton, N. Y. Road rail. 1,878,846; Sept. 20.

Harrow, William A., Beulah, Manitoba, Canada. Automatic recording trap nest. 1,847,960; Mar. 1.

Harron Hosiery Company. (See Harron, J. A., Diamond, and Bley, assignors.)

Harron, Joseph A., Elkins Park, and J. J. Diamond and G. Bley, Philadelphia, assignors to Harron Hosiery Company, Philadelphia, Pa. Knitting. 1,868,899; July 26.

Harrop Ceramic Service Company, The. (See Hartford, Frank M., assignor.)

Harrower, James. (See Witherspoon, W. O., and Harrower.)

Harry Cooling & Equipment Company. (See Harry, Joshua B., assignor.)

Harry, Joshua B., assignor to Harry Cooling & Equipment Company, Philadelphia, Pa. Louver mounting for cooling towers. 1,855,962; Apr. 26.

Harry, Robert J., Homestead, Pa. Track wheel. 1,858,929; May 17.

Harsem, Peter, Oslo, assignor to Imperator Hestesko Aktieselskap, Tonsberg, Norway. Elastic horseshoe with metal reenforcements. 1,861,695; June 7.

Harsem, Peter A., Oslo, Norway, assignor to Imperator Hestesko A/S, Tonsberg, Norway. Arrangement for securing elastic articles to rigid supports. 1,858,326; May 17.

Harsh, Raymond O., Chicago, Ill. Cigarette. 1,852,519; Apr. 5.

Harshaw Chemical Company, The. (See Harshaw, W. J., and Parke, assignors.)

Harshaw Chemical Company. (See Hines, Paul R., assignor.)

Harshaw, Jack. (See Ballman, C. E., Harshaw, and Haire.)

Harshaw, William J., Shaker Heights Village, and C. S. Parke, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Apparatus for making hydrofluoric acid. 1,842,092; Jan. 19.

Harshberger, Norman P. (See Theilacker, Frederick E., assignor.)

Harshberger, Norman P., Scarsdale, N. Y. Composition shingle. Re18,698; Dec. 20.

Harshberger, Norman P., Scarsdale, N. Y. Roofing and siding element. 1,862,857; June 14.

Harshberger, Norman P., Scarsdale, N. Y. Shingle element. 1,885,346; Nov. 1.

Harshberger, Norman P., Chicago, Ill. Composition shingle. 1,889,121; Nov. 29.

Harshberger, Norman P., Pasadena, Calif. Electrical wiring system. 1,892,418; Dec. 27.

Harshberger, Russell P., Chicago, Ill. Safety razor. 1,890,647; Dec. 13.

Hart, Albert K., St. Louis, Mo. Fuse plug and socket. 1,849,744; Mar. 15.

Hart Brothers and Company. (See Hart, William J., assignor.)

Hart-Carter Company. (See Mayhew, Joseph H., assignor.)

Hart, Charles, Media, Pa., assignor of one-half to P. Shields, Washington, D. C. Treating ores in the manufacture of rustless steel. Re18,609; Sept. 27.

Hart, Charles, Media, assignor to Wrought Iron Company of America, Philadelphia, Pa. Method and apparatus for puddling. 1,892,271; Dec. 27.

Hart, Connie H., Bellingham, Wash. Saw setting machine. 1,859,363; May 24.

Hart, Dudley W. (See Ditson, J., and Hart.)

Hart, Dudley W., Denver, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locating device. 1,881,274; Oct. 4.

Hart, Edwin B., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Compound for the prevention and treatment of anemia. 1,877,237; Sept. 13.

Hart, Emogene, Santa Cruz, Calif. Corselet. 1,859,285; Nov. 29.

Hart, Ethel E., executrix. (See Hart, Percy E.)

Hart, Frank R., Pacific Grove, Calif. Combination instrument-holder, waste-vessel and adapter. 1,858,668; May 17.

Hart, Frank R., Pacific Grove, Calif. Clinical waste-bag support. 1,867,971; July 19.

Hart, Fred P. (See Schrader, L. F., and Hart.)

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,868,062; July 19.

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,883,901; Oct. 25.

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,902; Oct. 25.

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,904; Oct. 25.

Hart, Frederick A., New Britain, Conn., and S. L. Walsoe, Lyndhurst, N. J., assignors to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,883,903; Oct. 25.

Hart, George B., Brighton, N. Y. Rose. Pl. Pt. 8; Feb. 23.

Hart, George B., Brighton, N. Y. Plant or rosebush. Pl. Pt. 43; Dec. 6.

Hart, George T., jr., West Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,887,683; Nov. 15.

Hart Glass Manufacturing Company. (See McDonald, Harry R., assignor.)

Hart, Harold L., Grand Rapids, Mich. Metal cabinet. 1,846,485; Feb. 23.

Hart, Harry S., Chicago, Ill. Hopper car. 1,876,003; Sept. 6.

Hart, Harry S., Barrington, Ill. Brake beam safety support. 1,890,989; Dec. 13.

Hart, Harry S., assignor to Rodger Ballast Car Company, Chicago, Ill. Control mechanism for hopper car doors. 1,882,217; Oct. 11.

Hart, Harry S., and D. Hindahl, assignors to Harry S. Hart, Chicago, Ill. Car construction. 1,862,677; June 14.

Hart & Hutchinson Company, The. (See Anderson, Gustave H., assignor.)

Hart & Hutchinson Company, The. (See Hart, S., and Steele, assignors.)

Hart & Hutchinson Company, The. (See Hart, M. S., Anderson, and McDonald, assignors.)

Hart & Hutchinson Company, The. (See Steele, Maurice G., assignor.)

Hart, James D., Staten Island, N. Y. Resilient tire. 1,887,019; Nov. 8.

Hart, John M., New York, N. Y., and M. P. Chaplin, Waterville, assignors, by mesne assignments, to Fidelity Trust Company, Portland, Me. Container. 1,866,025; July 5.

Hart, John M., New York, N. Y., and M. P. Chaplin, Waterville, assignors, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Me. Food pack. 1,866,408; July 5.

Hart, Joseph L., jr., Chickasha, Okla. Sanitary dry closet. 1,848,525; Mar. 8.

Hart, Lester C., Cleveland, Ohio, assignor to Hl-Voltage Equipment Company. Disconnecting fuse. 1,851,250; Mar. 29.

Hart, Marjorie, Vancouver, Wash. Identification for rubber goods. 1,842,806; Jan. 26.

Hart, Marjorie, Vancouver, assignor of one-half to J. R. Foley, Kelso, Wash. Hospital pad and ring. 1,864,434; June 21.

Hart, Marjorie, New York, N. Y. Device for the care of hats when not in use. 1,851,510; Mar. 29.

Hart, Maxwell S., G. H. Anderson, and G. A. MacDonald, assignors to The Hart & Hutchinson Company, New Britain, Conn. Metal panel. 1,848,715; Mar. 8.

Hart, Osco R., Colorado Springs, Colo. Tool for removing wheels from automobile axles. 1,869,687; Aug. 2.

Hart, Paul B., Houston, Tex. Depth indicator. 1,870,362; Aug. 9.

Hart, Percy E., deceased. Toronto, Ontario, Canada, by E. E. Hart, executrix, Toronto, Canada. Large capacity oil fuse. 1,892,102; Dec. 27.

Hart, Roy R., San Jose, Calif. Back fixture. 1,864,817; June 28.

Hart, Stanley, New Britain, and M. G. Steele, Farmington, assignors to The Hart & Hutchinson Company, New Britain, Conn. Electric heater. 1,858,716; Mar. 8.

Hart, Thomas J., Button Willow, Calif. Safety stop for vehicular traffic. 1,846,052; Feb. 23.

Hart, Walter L., Milwaukee, Wis. Agitated weighing hopper. 1,881,052; Oct. 4.

Hart, William A., Buffalo, N. Y., and F. W. Moore, Thorold, Ontario, Canada, assignors, by mesne assignments, to The W. S. Tyler Company, Cleveland, Ohio. Rotary drier. 1,860,738; May 31.

Hart, William J., Springdale, Ark, assignor to Hart-Brothers and Company. Paraffin liquefying device. 1,888,125; Nov. 15.

Harthauer, August W. L., Chicago, Ill. Grain door nailing strip. 1,853,680; Apr. 12.

Harte, Richard T. (See Witty, George, assignor.)

Hartenstein, Herman L., Chicago, Ill. Manufacturing fertilizer. 1,888,921; Nov. 22.

Hartenstein, Herman L., Chicago, Ill. Manufacture of fertilizer. 1,888,922; Nov. 22.

Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Transmitter for fire alarm systems. 1,870,511; Sept. 6.

Harter, Isaac, New York, N. Y., assignor by mesne assignments, to Fuller Lehigh Company. Steam generator. 1,878,133; Sept. 20.

Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,833,371; Oct. 18.

Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,878,134; Sept. 20.

Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler casing. 1,879,610; Sept. 27.

Harter, Leander D., Oklahoma City, Ohio. Building construction. 1,841,807; Jan. 19.

Harter, Noah S., Waukegan, Ill. Fence making machine. 1,869,063; July 26.

Harter, Noah S., assignor to Champion Folding Furniture Company, Waukegan, Ill. Camping cot. 1,869,060; July 26.

Harter, William G., assignor to Continental Steel Corporation, Kokomo, Ind. Roofing sheet. 1,889,784; Dec. 6.

Hartfield, August J., assignor to Pacific Gas Radiator Company, Huntington Park, Calif. Adjustable thermostat for radiators. 1,889,838; Dec. 6.

Hartfield, August J., and M. Koehler, Huntington Park, Calif. Thermostatic control for burners. 1,857,504; May 10.

Hartford-Empire Company. (See Amsler, Walter O., assignor.)

Hartford-Empire Company. (See Bacheller, Raymond G., assignor.)

Hartford-Empire Company. (See Barker, William T., jr., assignor.)

Hartford-Empire Company. (See Bates, L. G., and Haskell, assignors.)

Hartford-Empire Company. (See Black, Harold M., assignor.)

Hartford-Empire Company. (See Black, Jotham F., assignor.)

Hartford-Empire Company. (See Canfield, Robert W., assignor.)

Hartford-Empire Company. (See Eastman, Harold L., assignor.)

Hartford-Empire Company. (See Grizey, George J., assignor.)

Hartford-Empire Company. (See Hatch, R. F., and Butterfield, assignors.)

Hartford-Empire Company. (See Honiss, William T., assignor.)

Hartford-Empire Company. (See Howard, George E., assignor.)

Hartford-Empire Company. (See Ingle, Henry, W., assignor.)

Hartford-Empire Company. (See Lobb, Frank H., assignor.)

Hartford-Empire Company. (See Lorenz, Edward H., assignor.)

Hartford-Empire Company. (See McIntosh, Harold W., assignor.)

Hartford-Empire Company. (See Miller, William J., assignor.)

Hartford-Empire Company. (See Mulholland, Vergil, assignor.)

Hartford-Empire Company. (See Mulholland, V., and Honiss, assignors.)

Hartford-Empire Company. (See Nagle, C., and Hoopes, assignors.)

Hartford-Empire Company. (See Parham, Sidney F., assignor.)

Hartford-Empire Company. (See Peiler, Karl E., assignor.)

Hartford-Empire Company. (See Peiler, K. E., and Barker, assignors.)

Hartford-Empire Company. (See Reeves, W. A., and Tucker, assignors.)

Hartford-Empire Company. (See Rowe, George E., assignor.)

Hartford-Empire Company. (See Russell, Alan W., assignor.)

Hartford-Empire Company. (See Schroder, John E., assignor.)

Hartford-Empire Company. (See Sears, Sydney L., assignor.)

Hartford-Empire Company. (See Smith, Algy J., assignor.)

Hartford-Empire Company. (See Tucker, O. M., and Reeves, assignors.)

Hartford-Empire Company. (See Wadman, Harold A., assignor.)

Hartford-Empire Company. (See Wadman, H. A., and McIntosh, assignors.)

Hartford-Empire Company. (See Wardley, Thomas, assignor.)

Hartford-Empire Company. (See Waugh, Thomas, jr., assignor.)

Hartford-Empire Company. (See Willetts, Paul G., assignor.)

Hartford Engineering and Machine Company. (See Nesbitt, Harold H., assignor.)

Hartford Faience Company, The. (See Thomas, Noah T., assignor.)

Hartford, Frank M., assignor to The Harrop Ceramic Service Company, Columbus, Ohio. Apparatus for treating ceramic ware. 1,874,516; Aug. 30.

Harth, Philip E., assignor to National Pigments & Chemical Company, St. Louis, Mo. Composition for the taking of X-rays. 1,861,696; June 7.

Harth, Philip E., assignor to National Pigments & Chemical Company, St. Louis, Mo. Lubricating composition for machining operations. 1,881,542; Oct. 11.

Hartig, Henry E., Crystal Village, and H. B. Wilcox, Minneapolis, Minn. Fluid meter. 1,881,543; Oct. 11.

Hartig, Jeannette S., New York, N. Y. Confection container. 1,856,624; May 3.

Hartinger, Hans, assignor to firm Carl Zeiss, Jena, Germany. Ophthalmic instrument. 1,877,238; Sept. 13.

Hartland, George W., Buffalo, N. Y. Dumping grate. 1,844,281; Feb. 9.

Hartland, George W., Buffalo, N. Y. Damper. 1,862,084; June 7.

Hartley, Alec R., assignor to Whitin Machine Works, Whitinsville, Mass. Bunch building mechanism. 1,862,054; June 7.

Hartley, Arthur J., Peoria, Ill. Grain measuring device. 1,875,725; Sept. 6.

Hartley, Emmett C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,842,086; Jan. 19.

Hartley, Emmett C., assignor to Addressograph Company, Chicago, Ill. Printing machine. 1,842,087; Jan. 19.

Hartley, Francis, jr. (See McEvoy, William L., assignor.)

Hartley, George C., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device for telephone exchange systems. 1,881,544; Oct. 11.

Hartley, George C., and E. P. G. Wright, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Tandem trunk circuits. 1,862,536; June 14.

Hartley, Henry A., Hastings-on-Hudson. F. B. Schilling, Flushing, N. Y., and G. E. Connolly, Oakland, Calif., assignors, by mesne assignments, to Nichols Engineering and Research Corporation, New York, N. Y. Metallurgical furnace. 1,842,732; Jan. 26.

Hartley, Henry J., Hastings-on-Hudson, N. Y., and D. Baird Berkeley, Calif., assignors, by mesne assignments, to Nichols Engineering and Research Corporation, New York, N. Y. Rabbling means. 1,879,680; Sept. 27.

Hartley, Henry L., Hastings-on-Hudson, assignor, by mesne assignments, to Nichols Engineering and Research Corporation, New York, N. Y. Treating earths and products therefrom. 1,851,627; Mar. 29.

Hartley, John J., assignor to Link-Belt Company, Chicago, Ill. Mold conveyer. 1,871,054; Aug. 9.

Hartley, Lowell J., Schenectady, N. Y., assignor to General Electric Company. Light controlling apparatus. 1,852,806; Apr. 5.

Hartman, August. (See Zart, A., Hartmann, and Hoelkeskamp.)

Hartman, Carl H. (See Deacon, J. H., and Hartman.)

Hartman, Carl H., New Rochelle, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valving and sewing bag. 1,840,232; Jan. 5.

Hartman, Frank E., Evanston, assignor of one-third to F. H. Montgomery and one-third to W. E. Montgomery, Chicago, Ill. Apparatus or device for supplying artificially tonized oxygen for ventilation or other purposes. 1,839,876; Jan. 5.

Hartman, Hans, New York, N. Y., assignor to Metro Light Corporation, Wilmington, Del. Electric incandescent luminous tube. 1,839,479; Jan. 5.

Hartman, Harry B., Buffalo, N. Y. Air dehydrator. 1,863,656; June 21.

Hartman, Jacob W., jr., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 86,915; May 10.

Hartman, Jacob W., jr., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 87,155; June 14.

Hartman, Samuel H., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Floor covering. 1,839,551; Jan. 5.

Hartman, Samuel H., assignor to Armstrong Cork Company, Lancaster, Pa. Waterproof covering. 1,855,743; Apr. 26.

Hartman. Samuel H., and C. F. Humphreys, Lancaster, assignors to Armstrong Cork Company, Pittsburgh, Pa. Ornamentation of surface coverings. 1,854,933; Apr. 19.

Hartman, Samuel H., and H. L. Powers, assignors to Armstrong Cork Company, Lancaster, Pa. Greens material. 1,875,867; Sept. 6.

Hartman, William H. (See Jones, F. A., and Hartman.)

Hartman, William W., Memphis, Tenn. Tool for placing and removing piston pins. 1,848,829; Mar. 8.

Hartman, William W., and R. A. Steps, Los Angeles, Calif. Sanitary food package. 1,866,006; July 5.

Hartmann, August. (See Baurideel, Gotthard, and Hartmann.)

Hartmann, August, Montclair, assignor to Spratt's Patent (America) Limited, Newark, N. J. Exhibition bench. 1,839,673; Jan. 5.

Hartmann, August, Barmen, Germany, assignor to American Hemberg Corporation, New York, N. Y. Centrifugal spinning machine. 1,859,825; May 24.

Hartmann, Carl F., Bern, Switzerland. Waterproof apron. 1,846,593; Feb. 23.

Hartmann, Carl W., Lyngby, near Copenhagen, Denmark. Producing lined cartons. 1,867,220; July 12.

Hartman, Charles, Company. (See Burks, John E., assignor.)

Hartmann, Christoph. (See Kränzlein, G., Hartmann, and Hardt.)

Hartmann, Company Rud A. (See Sommermeyer, August, assignor.)

Hartmann, Ernst. (See Walter, W., Hartmann, and Tegtmeyer.)

Hartman, Frederick E., assignor to Baker Ice Machine Co., Inc., Omaha, Nebr. Liquid distributing trough. 1,840,947; Jan. 12.

Hartman, Frederick E., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Heating and cooling apparatus. 1,866,830; July 12.

Hartmann, Fritz, Rheinhausen (Lower Rhine)-Friemersheim, assignor to Fried. Krupp Aktiengesellschaft, Friedrich-Alfred-Hutte, Rheinhausen (Lower Rhine), Germany. Iron sleeper. 1,874,987; Aug. 30.

Hartmann, John, assignor to American Art Metal Works, Inc., Detroit, Mich., Winfield. 1,872,582; Aug. 16.

Hartmann, Joseph, Garfield, N. J. Embroidered textile fabric or similar article. Des. 87,573; Aug. 16.

Hartmann, Julius F. G. P., Copenhagen, Denmark. Apparatus for closing and interrupting an electric circuit. 1,851,704; Mar. 29.

Hartmann, Max, Reihen, near Basel, assignor, to the Firm of Society Of Chemical Industry in Basle, Basel, Switzerland. Fibrous material and making same. 1,875,452; Sept. 6.

Hartmann, Max, and H. Isler, Riehen, near Basel, assignors to firm of Society of Chemical Industry in Basle, Basel, Switzerland. Basic ethers of aryl-quinolines. 1,869,296; May 24.

Hartmann, Max, H. Kaegi, and H. Isler, assignors to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Unilaterally acylated diamines and making same. 1,886,481; Nov. 8.

Hartmann, Max, and H. Isler, Riehen, near Basel, assignors to the Firm: Society of Chemical Industry in Basle, Basel, Switzerland. Basic ethers of halogenated quinoline. 1,891,980; Dec. 27.

Hartmann, Miner L., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrading. 1,844,064; Feb. 9.

Hartmann, Otto H. (See Trede, H., and Hartmann.)

Hartmann, Otto H., Cassel-Wilhelmshohe, Germany, assignor to The Sumetzer Company, New York, N. Y. High pressure boiler. 1,852,302; Apr. 5.

Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe, Germany. Interstage steam superheating by means of high-pressure steam. 1,878,135; Sept. 20.

Hartmann, Otto H., Kassel-Wilhelmshohe, and H. Trede, Kassel, assignors to Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe Germany. Combined steam generator and feed water preheater and purifier. 1,878,514; Sept. 20.

Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Steam boiler, especially for marine boiler with indirect generation of the working steam. 1,881,545; Oct. 11.

Hartmann Trunk Company. (See Ritter, Julius, jr., assignor.)

Hartmuth, Paul. (See Schmidt, W., and Hartmuth.)

Hartnell, Willard L. (See Johnson, W. D., and Hartnell, assignors.)

Hartnell, Willard L., assignor to Yates-American Machine Company, Beloit, Wis. Feeding device for woodworking machines and the like. 1,869,592; Aug. 2.

Hartness, James, Springfield, Vt. Screw thread gauging. 1,874,517; Aug. 30.

Hartness, James, Springfield, Vt. Thread gauge. 1,875,726; Sept. 6.

Hartness, James, Springfield, Vt. Tolerance zone on gauges. 1,877,307; Sept. 13.

Hartog, Stephen D., St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,842,022; Jan. 19.

Hartog, Stephen D., Belleville, Ill., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,842,023; Jan. 19.

Hartranft, Samuel R., assignor to Central Hosiery Company, Reading, Pa. Thread-feeding attachment for circular knitting machines. 1,848,477; Mar. 8.

Hartsell, Jonah L. (See Radford, Lee Wood, assignor.)

Hartshorn, Stanley D., St. Davids, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Apparatus for preparing coal. 1,859,560; May 24.

Hartshorn, Stewart, Short Hills, assignor to Stewart Hartshorn Company, East Newark, N. J. Shade fixture. 1,886,674; Nov. 8.

Hartshorn, Stewart, Company. (See Hartshorn, Stewart, assignor.)

Hartstock, Oce, Walla Walla, Wash. Weed skinner. 1,845,411; Feb. 16.

Hartsook-Renick, Inc. (See Renick, Lyle S., assignor.)

Hartsough, Ralph C., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for inspecting material. 1,854,828; Apr. 19.

"Hartsteinwerk Niedersachsen, Gesellschaft mit beschränkter Haftung". (See Lange, Hermann, assignor.)

Hartstoff-Metall Aktiengesellschaft (Hametag). (See Kramer, Erwin, assignor).

Hartt Boot and Shoe Company Limited, The. (See Reid, John A., assignor.)

Hartung, Carl A., and E. Walter, Berlin, Germany. Governor provided with an auxiliary force. 1,843,815; Feb. 2.

Hartwell, Benjamin F., Winchester, Mass. Apparatus for producing crepe rubber spring-heeled shoe bottoms. 1,885,718; Nov. 1.

Hartwell, Ralf L., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Scouring device. 1,890,812; Dec. 13.

Hartwig, William G., assignor to Railway Utility Company, Chicago, Ill. Heating system for railway cars and the like. 1,881,546; Oct. 11.

Hartwig, William G., assignor to Railway Utility Company, Chicago, Ill. Thermostat. 1,881,547; Oct. 11.

Hartzell, Albert, Yonkers, and F. H. Lathrop, Geneva, N. Y., assignors to Walter C. O'Kane, Durham, N. H., and P. Moore. Process and apparatus for making colloidal substances. 1,870,727; Aug. 9.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,863,305; June 14.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,863,306; June 14.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Testing apparatus. 1,873,121; Aug. 23.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition coil. 1,873,122; Aug. 23.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,873,123; Aug. 23.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Circuit interrupter. 1,873,198; Aug. 23.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,877,860; Sept. 20.

Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition coil. 1,883,905; Oct. 25.

Hartzell Industries, Inc. (See Charavay, Frederick, assignor.)

Hartzell Industries, Inc. (See Hartzell, Robert N., assignor.)

Hartzell, Robert N., assignor to Hartzell Industries, Inc., Piqua, Ohio. Veneer machine. 1,887,682; Nov. 15.

Harvard Company, The. (See Gowie, William, assignor.)

Harvel Corporation, The. (See Harvey, Andrew T., assignor.)

Harvey, Arthur R., assignor to The Gardner & Harvey Company, Middletown, Ohio. Paper manufacture. 1,851,176; Mar. 29.

Harvey, Bernhard C., and J. A. Shern, Rockford, Ill. Live tightener. 1,835,049; Apr. 19.

Harvey, Edgar R., Memphis, Tenn. Feed water heater for boilers. 1,855,518; Apr. 26.

Harvey, Edward W., Jr., Newark, N. J., assignor to The Barrett Company, New York, N. Y. Process and apparatus for the treatment of liquids with ammonia. 1,885,012; Oct. 25.

Harvey, Elbert A., et al., trustees. (See Prince, Robert K., assignor.)

Harvey, Harold C., Ewing Township, and H. L. Becher, Hamilton Township, Mercer County, assignors to The Agasote Millboard Company, Ewing Township, N. J. Making resin coated millboard. 1,851,177; Mar. 29.

Harvey, Harold C., Trenton, assignor to The Agasote Millboard Company, Ewing Township, N. J. Making toilet seats of pulp material. 1,873,585; Aug. 23.

Harvey, Harold C., assignor to The Agasote Millboard Company, Trenton, N. J. Apparatus for making pulp board. 1,881,548; Oct. 11.

Harvey, Harry E., Cleveland Heights, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Making bimetallic tubes. 1,839,964; Jan. 5.

Harvey, Henry R., San Francisco, Calif. Half-tone process and type. 1,872,943; Aug. 23.

Harvey, Herbert, Los Angeles, Calif. Round wire tensioning mechanism. 1,866,705; July 12.

Harvey, Herbert, Los Angeles, Calif. Wire tying machine. 1,868,141; July 19.

Harvey, Herbert, Los Angeles, Calif. Wire and band dispensing machine. 1,888,393; Nov. 22.

Harvey, Herman E., Bellefontaine, Ohio. Portable building. Des. 87,006; May 24.

Harvey Hubbell, Incorporated. (See Avery, Charles E., assignor.)

Harvey Hubbell, Incorporated. (See Blake, A. J., and Tiffany, assignors.)

Harvey, James H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive control system. 1,848,881; Mar. 8.

Harvey, James S., Moose Jaw, Saskatchewan, Canada. Clothespin. 1,845,268; Feb. 16.

Harvey, James W., Winthrop, Me. Motor boat installation. 1,840,948; Jan. 12.

Harvey, James W., Winthrop, Me. Motor boat installation. 1,840,949; Jan. 12.

Harvey, James W., Winthrop, Me. Tilting rudder construction. 1,850,669; Mar. 22.

Harvey, James W., Winthrop, Me. Motor installation. 1,874,988; Aug. 30.

Harvey, James W., Winthrop, Me. Boat construction. 1,879,681; Sept. 27.

Harvey, Leo M. (See Thompson, Robert H., assignor.)

Harvey, Leo M., Los Angeles, Calif. Fruit clipper. 1,840,358; Jan. 12.

Harvey, Leo M., Los Angeles, Calif. Wire or band gripping device. 1,846,209; Feb. 23.

Harvey, Leo M., Los Angeles, Calif. Tie for metal straps. 1,853,810; Apr. 12.

Harvey, Leo M., Los Angeles, Calif. Windshield for closed motor cars. 1,863,629; June 21.

Harvey, Leo M., Los Angeles, Calif. Tie forming mechanism. 1,874,153; Aug. 30.

Harvey, Leo M., Los Angeles, Calif. Fruit clipper. 1,882,218; Oct. 11.

Harvey, Quinton B., East Orange, assignor to The Harvel Corporation, Newark, N. J. Method and composition for controlling moisture. 1,874,989; Aug. 30.

Harvey, Sherman D., Pittsburgh, Pa., assignor to Carbide & Carbon Chemicals Corporation. Unhairing bath and process of treating hides. 1,844,160; Feb. 9.

Harvey Rubber Co., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead closing mechanism for tire wrapping machines. 1,876,414; Sept. 6.

Harvey Spring & Forging Co. (See Jensen, Alfred M., assignor.)

Harvey Stanley T., Mill Valley, Calif. Amusement device. 1,844,852; Feb. 9.

Harvey, Tom, Middletown, Ohio. Drive for press rolls or the like. 1,892,573; Dec. 27.

Harvey, Walter G. E., Los Angeles, Calif. Dental casting machine. 1,868,797; July 26.

Harwood, George S., & Son. (See Howe, Joseph B., assignor.)

Harwood, H., & Sons, Inc. (See Hawes, Edward H., assignor.)

Harwood, John, jr., Walsall, England. Pocket wallet. 1,842,870; Jan. 26.

Harwood, John H. (See Howe, Joseph B., assignor.)

Harwood, Paisley B., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Remote control system for electric motors. 1,848,251; Mar. 8.

Harwood, Paisley B., and J. M. Newman, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,860,671; May 31.

Harwood, Paisley B., Milwaukee, and C. Stansbury, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for motor driven machines. 1,882,219; Oct. 11.

Harwood, Paisley B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for blast furnace charging equipment. 1,888,501; Nov. 22.

Harwood, Stanley G., and D. Griswold, assignors to Ward-Love Pump Corporation, Rockford, Ill. Automatic water softener. 1,846,418; Feb. 23.

Harwood, Stanley G., and D. Griswold, assignors to Ward-Love Pump Corporation, Rockford, Ill. Automatic water softener. 1,846,419; Feb. 23.

Harwood, Stanley G., Minneapolis, Minn., and D. Griswold, Los Angeles, Calif., assignors, by mesne assignments, to The Permutit Company, Wilmington, Del. Water softener brine apparatus. 1,883,531; Nov. 22.

Harwood, Stanley G., and D. Griswold, Rockford, Ill., assignors, by mesne assignments, to The Permutit Company, Wilmington, Del. Water softener. 1,891,675; Dec. 20.

Hasbrouck, Louis B. (See Garey, J. P., and Hasbrouck.)

Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Centrifugal extractor. 1,844,009; Feb. 9.

Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Tension device. 1,844,010; Feb. 9.

Hasbrouck, Stephen A., New Haven, assignor to Pratt & Whitney Aircraft Company, East Hartford, Conn. Liquid suppliying means for aircraft engines. 1,871,055; Aug. 9.

Hasek, Victor H., Cedar Rapids, Iowa. Collapsible wallet. 1,839,758; Jan. 5.

Hasel, Leo, Fort Bragg, Calif. Shoe construction. 1,855,234; Apr. 26.

Haselbach, Albrecht, Namslau, Germany. Preparation of beers weak in alcohol. 1,892,342; Dec. 27.

Haseltine, Kirk Gruber. (See Sutter, Henry B., and Haseltine.)

Haseltine, Stacy B. (See Johnson, G. A., and Haseltine.)

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,846,517; Feb. 23.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,851,577; Mar. 29.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill., Railway draft rigging. 1,859,699; May 24.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler and yoke connection. 1,859,700; May 24.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,859,701; May 24.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,860,939; May 31.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,860,540; May 31.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,861,629; June 7.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,865,630; July 5.

Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock absorbing mechanism. 1,870,508; Aug. 9.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,871,398; Aug. 9.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Yoke. 1,873,708; Aug. 23.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 1,874,288; Aug. 30.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Brake chain attachment. 1,877,309; Sept. 13.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill., Railway draft rigging. 1,882,837; Oct. 18.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,882,838; Oct. 18.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Clutch actuating means. 1,882,839; Oct. 18.

Haseltine, Stacy B., assignor, by mesne assignments, to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,882,840; Oct. 18.

Haselton, Merton L., Rye, assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Electrical signaling. 1,890,876; Dec. 13.

Haselton, Merton L., Rye, assignor to The Teleregister Corporation, New York, N. Y. Electrical signaling. 1,890,877; Dec. 13.

Haselton, Merton L., Rye, N. Y., and P. S. Haselton, Montclair, N. J., assignors, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Electrical indicating system. 1,890,878; Dec. 13.

Haselton, Page S. (See Haselton, Merton L. and P. S.)

Haselton, Page S., Evanston, Ill. Radio apparatus. 1,885,913; Nov. 1.

Haseman, William P., Oklahoma City, Okla. Apparatus for fluid lift of liquids. 1,866,972; July 12.

Haseord, Grant H., assignor to The Florence Pottery Company, Mount Gilead, Ohio. Molding machine. 1,863,114; June 14.

Haskelite Manufacturing Corporation. (See Bersie, Hugh G., assignor.)

Haskelite Manufacturing Corporation. (See Curran, Frank M., assignor.)

Haskelite Manufacturing Corporation. (See Meyercord, G. R., and Basquin, assignors.)

Haskell, Broderick, Franklin, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa. Safety loop for connecting rods. 1,841,600; Jan. 19.

Haskell, Frank E. (See Bates, L. G. and Haskell.)

Haskell, Frederick F., assignor to Apexeon Company, Jamaica Plain, Mass. Casement window and screen therefor. 1,873,399; Aug. 23.

Haskell, James B., Longville, Minn. Door operator. 1,863,364; May 24.

Haskell, John D., assignor to Dilts Machine Works, Inc., Fulton, N. Y. Jordan engine. 1,873,199; Aug. 23.

Haskell, John G. (See Bates, L. G. and Haskell.)

Haskell, Olcott, Sausalito, Calif. Tool-handle. 1,851,426; Mar. 29.

Haskell, Willis G., jr., Cedar Rapids, Iowa. Heat radiating device for gas furnaces. 1,862,892; June 14.

Haskin, Walter E., Flushing, assignor to Pressed & Welded Steel Products Company, Inc., New York, N. Y. Bookrack. 1,891,814; Dec. 20.

Haskins, Butler J., Chicago, Ill., assignor to Joseph Weidenhoff, Incorporated. Mechanism for testing ignition of automobiles. Re18,596; Sept. 13.

Haskins, Butler J., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Supercharger for magnets. 1,849,085; Mar. 15.

Haskins, Butler J., assignor to J. Weidenhoff, Inc., Chicago, Ill. Vise for centering generators and the like. 1,859,920; May 24.

Haskins, Butler J., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Battery tester. 1,882,581; Oct. 11.
Haskins, Clifford B., Maplewood, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,880,435; Oct. 4.
Haskins, Clifford B., assignor to Dayton Scale Company, Dayton, Ohio. Scale lock. 1,880,437; Oct. 4.
Haskins, Howard B. and Harold H., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Ventilation system for a closed vehicle body. 1,846,552; Feb. 23.
Haskins, Howard B., Highland Park, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Dovetail. 1,875,453; Sept. 6.
Haskins, Howard B. and H. E. Van Voorhees, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Hood latch. 1,874,289; Aug. 30.
Haskins, Joseph F., Kenmore, assignor to Du Pont Rayon Company, Buffalo, N. Y. Esterification of cellulose. 1,866,532; July 12.
Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler. (See Gohler, Ulrich, assignor.)
Haslett Chute and Conveyor Company. (See Chubbuck, Clarence H., assignor.)
Haslett, John P., Sausalito, Calif. Container. 1,839,532; Jan. 5.
Hass, Henry B., and J. R. Marshall, La Fayette, Ind. Manufacture of alkyl cyanides. 1,859,140; May 17.
Hass, Lewis V., Charlton, Iowa. Control device for motor vehicles. 1,889,656; Nov. 29.
Hasse, Frank C., La Grange, Ill., assignor to Union Carbide & Carbon Research Laboratories, Inc. Blowpipe. 1,840,195; Jan. 5.
Hasse, Frank C., La Grange, Ill., assignor to Union Carbide & Carbon Research Laboratories, Inc. Tip for blowpipes. 1,840,196; Jan. 5.
Hasse, Hamilton C., Chicago, and S. R. Oldham, La Grange, Ill., assignors to The Oxweld Railroad Service Company. Welding machine. 1,878,136; Sept. 20.
Hassell, Lewis H., assignor to Signal Accessories Corporation, Utica, N. Y. Adjustable switch block. 1,878,696; Sept. 20.
Hasseler, Gustave A., Arpin, Wis. Knife. 1,843,223; Feb. 2.
Hassell, Cecil S., Miami, Fla. Egg testing machine. Des. 87,459; Sept. 27.
Hassell, Fred, assignor to J. C. Risvold, Minneapolis, Minn. Cold white light. 1,855,799; Apr. 26.
Hassell, Marian E., and E. W. Gorham, Miami, Fla., assignors of three-fourths to said Hassell and one-fourth to said Gorham. Fuse indicator. 1,857,019; May 3.
Hasselquist, Hugo S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Attaching nuts to metal plates. 1,883,906; Oct. 25.
Hassenplug, Harry G. (See Whitney, W. E., and Hassenplug.)
Hassensail, Louis W., Toledo, Ohio. Water cooler. 1,841,808; Jan. 19.
Hassensail, Louis W., Toledo, Ohio. Cabinet cooler. 1,866,466; July 5.
Hassensail, Louis W., Toledo, Ohio. Carrier. 1,880,133; Sept. 27.
Hassensail, Louis W., Toledo, Ohio. Bottle support. 1,885,519; Nov. 1.
Hassensail, Louis W., Toledo, Ohio. Water cooler. 1,887,020; Nov. 8.
Hasslacher, Carl A. (See Hoskins, H. W., and Hasslacher.)
Hassler, Gideon G., Stowe Township, Allegheny County, Pa. Diestock. 1,861,793; June 7.
Hassey, Charles, assignor of one-half to Ben C. Casanas, New Orleans, La. Bank window. 1,885,560; Nov. 1.
Hastings Edna A., assignor to H. E. Schreiber, Cleveland, Ohio. Lamp shade and making the same. 1,853,350; Apr. 12.
Hastings, Harold P., assignor to Crouse-Hinds Company, Syracuse, N. Y. Fusible disconnecting plug. 1,875,378; Sept. 6.
Hastings, Roger W., and M. Harris, assignors to Franklin Development Corporation, Syracuse, N. Y. Joint for elliptical springs. 1,876,924; Sept. 13.
Hastings, Shirrel A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing construction. 1,886,014; Nov. 1.
Hat Corporation of America. (See Hodshon, Alfred E., assignor.)
Hatakeyama, Heisaku, and H. Watanabe, Kobe, Japan. Refining method of vegetable oils to be used as solvents for injection medicines. 1,867,665; July 19.
Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Switching device. 1,861,566; June 7.
Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Mercury switch with plunging core. 1,861,630; June 7.
Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Mercury switch. 1,861,631; June 7.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Coating machine. 1,850,837; Mar. 22.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Poultry coop or crate. 1,863,982; June 21.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Powdering machine. 1,881,549; Oct. 11.
Hatch, Karl, assignor to Oneida Community, Limited, Oneida, N. Y. Emblematic trowel or similar article. Des. 87,877; Oct 4.
Hatch, Lloyd A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Process of and apparatus for separating material. 1,877,861; Sept. 20.
Hatch, Meredith R. (See Seidel, A., and Hatch.)
Hatch, Meredith R., and A. B. Schlag, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Power press. 1,861,181; May 31.
Hatch, Nelson A., Harrison Park, N. J. Safety device for submarines. 1,840,094; Jan. 5.
Hatch, Raymond S., East Orange, N. J., assignor to Lignocellulose Corporation, New York, N. Y. Method and apparatus for producing cellulose from lignified material. 1,852,011; Apr. 5.
Hatch, Roswell F., West Hartford, and A. B. Butterfield, assignors to Hartford-Empire Company, Hartford, Conn. Glassware blowing mechanism. 1,853,861; Apr. 12.
Hatcher, Charles M., Houston, Tex. Packer and setting tool. 1,839,310; Jan. 5.
Hatcher, Ernest C., Northwood, assignor to J. Stone & Company Limited, Deptford, England. Power transmission gearing. 1,857,020; May 3.
Hatcher, James L., U. S. Army, Winchester, Va. Bolt operating mechanism for machine guns. 1,858,498; May 17.
Hatfield, Cephas D., Denver, Colo. Wire sealing fastening machine. 1,855,165; Mar. 22.
Hatfield, Clark W., Seattle, Wash. Tile and pipe form. 1,856,834; May 3.
Hathaway Bakeries, Inc. (See Lemmon, John U., jr., assignor.)
Hathaway, Claude M., Colorado Springs, Colo., assignor to General Electric Company. Automatic oscillograph. 1,862,907; Oct. 28.
Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, Mass. Suspension banger for tube frames. 1,861,856; May 31.
Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Boston, Mass. Tube frame yarn spool. 1,874,188; Aug. 30.
Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, Mass. Tube frame. 1,880,438; Oct. 4.
Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, Mass. Spool. 1,880,439; Oct. 4.
Hathaway, Edward A., Los Angeles, Calif. Stuffing machine. 1,845,412; Feb. 16.
Hathaway, Harlow H., Los Angeles, Calif. Building construction. 1,875,242; Aug. 30.
Hathaway, Robert J., jr., Chicago, Ill. Wind instrument. 1,857,908; May 10.
Hathaway, Warner. (See Lee, S. Q., and Hathaway.)
Hathaway, Warner, and K. Slidell, Madison, Wis., assignors, by mesne assignments, to American Face Brick Research Corporation. Kiln for producing cellular block. 1,858,499; May 17.
Hathaway, Warner, Madison, Wis., and E. M. Wyatt, Cleveland Ohio, assignors, by mesne assignments, to American Face Brick Research Corporation. Kiln for the production of cellular building material. 1,870,737; May 31.
Hathaway, Wellington C., Houston, Tex. Vending machine. 1,882,841; Oct. 18.
Hatherell, George A., Burbank, assignor to F. A. Garbutt, Los Angeles, Calif. Chewing gum base. 1,887,930; Nov. 15.
Hathorn, Clarence J., assignor to Stackpole Carbon Company, St. Marys, Pa. Resistor mounting. 1,874,744; Aug. 30.
Hathorn, Elmer F. (See Davis, D. H., and Hathorn.)
Hathorn, Elmer F., Edgerton, Wis., assignor to Highway Trailer Company. Adjustable shaft lift. 1,880,134; Sept. 27.
Hatke, Charles W., Windsor, assignor of one-half to E. M. Cosnet, Denver Colo. Magazine for moving picture reels and the like. 1,846,594; Feb. 23.
Hatt, Angus J., Rock Springs, Wyo., assignor, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Conveyer. 1,877,862; Sept. 20.
Hatt, Angus J., A. Johnson, and J. Pryde, Rock Springs, Wyo., assignors, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Conveyer. 1,877,863; Sept. 20.
Hatt, Emil, Maywood, Ill. Producing radio waves. 1,844,319; Feb. 9.
Hatton, William, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Automatic telephone system. 1,886,097; Nov. 1.
Hatton, William, and R. Dahl, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Automatic telephone system. 1,840,950; Jan. 12.
Hatton, William, Paris, France, and K. M. Sano, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Time measuring device. 1,862,537; June 14.

Hatton, William, R. D. Spann, E. J. Rousseau, and F. O. V. Larsen, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,881,550; Oct. 11.

Hatzel, Robert. (See Budin, Richard B., assignor.)

Haubach, Ferdinand. (See Wietzel, G., and Haubach.)

Haubens, Henry, and L. H. Holcomb, Omaha, Nebr. Washing machine. 1,882,582; Oct. 11.

Haubold, C. G., A. G. (See Tandel, Fritz, assignor.)

Hauboldt, A. G. (See Haase, Carl, assignor.)

Haubrock, Omer E., Bristol, Tenn. Sawmill. 1,874,519; Aug. 30.

Hauch, Edward H., Seattle, Wash. Tie form. 1,892,272; Dec. 27.

Hauck, Frederick C., Chicago, Ill., assignor to Pabst Corporation, Milwaukee, Wis. Carton or similar article. Des. 87,781; Sept. 20.

Hauck, John F., Tyndall, S. Dak. Animal trap. 1,870,331; Aug. 9.

Hauf, George F., Chicago, Ill. Metal lattice walls. 1,873,762; Aug. 23.

Haug, Anton J., Nashua, N. H. Filter. 1,848,478; Mar. 8.

Haug, Anton J., Nashua, N. H. Pulp screening machine and process. 1,864,818; June 28.

Haug, Anton J., Nashua, N. H. Centrifugal paperstock screen. 1,882,662; Oct. 18.

Haug, Charles F., assignor to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candy bar. Des. 86,959; May 17.

Haug, John S., Philadelphia, assignor to U. G. I. Contracting Company, Philadelphia, Pa. Gas producer. 1,890,056; Dec. 6.

Haug, Thaddeus L. E., Berkeley, Calif. Bolt for assembling structures. 1,854,737; Apr. 19.

Hauge, Andrew, Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,841,729; Jan. 19.

Hauge, Andrew, Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,884,671; Oct. 25.

Hauge, Andrew, Michigan City, Ind., assignor to Sullivan Machinery Company. Material handling mechanism. 1,884,672; Oct. 25.

Hauge, Oscar, San Mateo, Calif., assignor to National Biscuit Company. Pastry cone baking machine. 1,847,340; Mar. 1.

Haugen, Francis B., Brocksburg, Nebr. Electricity generating apparatus. 1,849,574; Mar. 15.

Hauger, David M., J. E. Weaver, and W. G. Wolbert, assignors, by mesne assignments, to Horix Manufacturing Company, Pittsburgh, Pa. Feed wheel for filling machines. 1,844,860; Feb. 9.

Haugh, Charles J., Alma, Nebr. Attachment for dirt moving machines. 1,858,736; May 17.

Haughton Elevator & Machine Company, The. (See Ohler, Frank L., assignor.)

Haughton Elevator & Machine Company, The. (See Ohler, F. L., and French, assignors.)

Haughton, Richard K. (See Daniel, R. E., Haughton, and Clark.)

Hauk, Joseph, Shorewood, assignor to P. C. Read, Milwaukee, Wis. Bottle unloader. 1,846,866; Feb. 23.

Hauk, Joseph, assignor to Hauk Manufacturing Company, Milwaukee, Wis. Can-turning machine. 1,869,477; Aug. 2.

Hauk, Joseph, assignor to Hauk Manufacturing Company, Milwaukee, Wis. Container washing machine. 1,879,234; Sept. 27.

Hauk Manufacturing Company. (See Hauk, Joseph, assignor.)

Hauk, Paul, assignor to The Piqua Granite and Marble Company, Piqua, Ohio. Marble and granite shaping machine. 1,891,279; Dec. 20.

Haulik, Joseph, Durant City, Pa. Furnace. 1,879,899; Sept. 27.

Haungs, George M., assignor to U S L Battery Corporation, Niagara Falls, N. Y. Specific gravity indicating means. 1,885,250; June 28.

Haupt, Charles H., Elizabeth, N. J., assignor to Standard Oil Development Company. Stabilized floating deck. 1,888,079; Nov. 15.

Haupt, Frank J. (See Hoover, R., and Haupt.)

Haupt, Hans, Berlin, Germany. Telescopically collapsible umbrella. 1,856,385; May 3.

Haupt, Walter H., Ludlow, Ky., assignor to Augustine Davis, jr., Cincinnati, Ohio. Measuring dispenser. 1,882,583; Oct. 11.

Haupt, William E., Philadelphia, Pa. Testing device. 1,858,446; May 17.

Hausch, Theodor. (See Frohlich, H., and Hausch.)

Hausner, Theodor, Zoar, Switzerland, assignor to Landis & Gyr, A-G. Electricity meter. 1,854,792; Apr. 19.

Hause, George W., Philadelphia, Pa. Game apparatus. 1,886,986; Nov. 8.

Hausen, Josef. (See Heppner, Rudolf, assignor.)

Hauser, Bonner R., Denver, Colo. Liquid container trap. 1,852,520; Apr. 5.

Hauser, Fred. (See Sommer, K. W., and Hauser.)

Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Sheet metal casing. 1,842,783; Jan. 26.

Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Receptacle. 1,864,538; June 28.

Hauser, George D., Utica, N. Y., assignor to Crane Co., Chicago, Ill. Furnace jacket. 1,887,760; Nov. 15.

Hauser, George D., assignor to Crane Co., Chicago, Ill. Furnace jacket. 1,887,761; Nov. 15.

Hauser, Herman J., Los Angeles, Calif. Match box construction. 1,862,853; June 14.

Hauser, James J., New York, N. Y. Fuel injector nozzle for internal combustion engines. 1,857,192; May 10.

Hauser, Martin, Kansas City, Mo. Conduit. 1,845,836; Feb. 16.

Hauser, Martin, Kansas City, Mo. Conduit. 1,855,519; Apr. 26.

Hauser, Martin, assignor to General Heating Specialty Company, Kansas City, Mo. Steam trap. 1,856,762; May 3.

Hauserman, E. F., Company, The. (See Balch, T. V., and Bohnsack, assignors.)

Hauserman, E. F., Company, The. (See Bohnsack, John A., assignor.)

Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, and Bohnsack, assignors.)

Hauserman, E. F., Company, The. (See Heller, Edward, assignor.)

Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, East Cleveland, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic wall structure. 1,842,094; Jan. 19.

Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, East Cleveland, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic wall structure. 1,856,995; May 3.

Hausbalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hood cushion. 1,842,607; Jan. 26.

Hausbouer, William E. (See Lober, W. N., and Hausbouer.)

Hausbon, Hans J., Myers, Mont. Rail bond. 1,873,400; Aug. 23.

Hausleiter, Fritz H., Munich, Germany. Photomechanical printing. 1,848,782; Mar. 8.

Hausman, Joseph G., Cincinnati, Ohio. Dispensing device. 1,841,732; Jan. 19.

Hausman, Sidney, Arlington, N. J., and W. Veit, New York, N. Y. Rattle toy. 1,857,452; May 10.

Hausner, Ben Z., New York, N. Y. Curtain hanger. 1,861,342; May 31.

Hausrath, Herbert, Durlach, near Karlsruhe, and H. Saacke, assignors to the Firm Neufeldt & Kuhnke Betriebsgesellschaft m. b. H., Kiel, Germany. Light electric regulating device. 1,843,842; Mar. 1.

Hausse, Richard H., assignor to Temme Manufacturing Co., Chicago, Ill. Alarm for automobiles. 1,846,966; Feb. 23.

Hausser, Anthony A. (See Hausser, Carl A., and A. A.)

Hausser, Carl A., and A. A. Hausser, Philadelphia, Pa. Hemoglobinometer. 1,878,847; Sept. 20.

Haussler, Ernst P., Richen, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Sexual hormones and the manufacture of same. 1,860,287; May 24.

Hauton, Paul S., Atlanta, Ga. Mechanical pencil. Des. 87,262; June 28.

Hauton, Paul S., Atlanta, Ga. Mechanical pencil. 1,853,501; Apr. 12.

Hauton, Paul S., Newark, N. J., assignor to Atlantic Manufacturing Company. Mechanical pencil. 1,853,500; Apr. 12.

Hautz, Edward H. (See Hafner, L. S., and Hautz.)

Havannah Mills Co. (See Roger, George, jr., assignor.)

Havard, Alexandre, Brussels, Belgium, assignor to La Mondiale Typolitho, Société Coopérative. Typewriting machine. 1,868,288; July 19.

Havemeyer, Henry O., jr., Mahwah, N. J., and J. E. Muhlfeld, Scarsdale, N. Y. Journal liner for locomotive driving boxes. 1,871,518; Aug. 16.

Haven, Harry, Baltimore, Md. Fluid-mixing apparatus. 1,845,960; Feb. 16.

Haven, Harry, Baltimore, Md. Fluid-mixing device. 1,845,661; Feb. 16.

Haven, Louis. (See Sims, Frank L., assignor.)

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Duplex riveting machine. 1,844,119; Feb. 9.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Riveting machine. 1,844,120; Feb. 9.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Rivet holder and driver. 1,850,670; Mar. 22.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Duplex riveting machine with anvil turntable. 1,850,671; Mar. 22.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Rivet setting machine. 1,855,235; Apr. 26.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Duplex riveting machine. 1,885,347; Nov. 1.

Havenhill, Robert S. (See Zimmerli, W. F., and Havenhill.)

Havens, William, and C. J. Danielson, Waubay, S. Dak. Brooder. 1,874,745; Aug. 30.

Haver, Erich, Oelde, Germany, assignor to Acetol Products, Inc., New York, N. Y. Glass substitute. 1,842,093; Jan. 19.

Haverbeck, George W. (See Magee, F., and Haverbeck.)

Haverbill Shoe Novelty Company. (See Pascucci, Attille R., assignor.)

Haverstick, Earl J., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short circuiting device. 1,872,285; Aug. 16.

Haverstick, George W., Clayton, Mo. Clinker remover. 1,853,899; Apr. 12.

Haverstick, John M., Ventnor City, N. J. Ornamental fence. 1,859,509; May 24.

Havey, Philip F., Washington, D. C. Shoe heel. 1,843,511; Feb. 2.

Havey, Richard B., Beechview, Pa. Fuse. 1,872,448; Aug. 16.

Haviland, Daniel, Sawtelle, Calif. Preparation of artificial skins with natural hair. 1,843,322; Feb. 2.

Haviland, Daniel, Los Angeles, Calif. Adjustable lock. 1,887,094; Nov. 8.

Haviland, James W., Denver, Colo. Tank for transporting live fish. 1,845,559; Feb. 16.

Havill, Clinton H., Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,846,254; Feb. 23.

Havlish, Charles, assignor to Chicago Telephone Supply Company, Elkhart, Ind. Rheostat winding machine. 1,887,808; Nov. 15.

Haw, Jakob, Berlin-Staaken, Germany, assignor to the Firm of Propeller Aktiengesellschaft, Schaffhausen-on-the-Rhine, Switzerland. Propeller blade. 1,879,225; Sept. 27.

Hawadier, Jacques A. M., Paris, France, assignor, by mesne assignments, to Old Colony Trust Company. Valve for wireless telegraphy or telephony. Re18,628; Oct. 18.

Hawaiian Cane Products, Ltd. (See Williams, William L. S., assignor.)

Hawaiian Canneries, Ltd. (See Taylor, Robert B., assignor.)

Hawaiian Pineapple Company. (See Hjelte, Marshall C., assignor.)

Hawaiian Pineapple Company, Limited. (See Hjelte, Marshall C., assignor.)

Hawaiian Pineapple Company, Ltd. (See Morse, Harry S., assignor.)

Hawaiian Pineapple Company, Limited. (See Sledge, W. P., and Le Frank, assignors.)

Hawe, William F. M., Crafton, Pa., assignor to E. L. Silverman, New York, N. Y. Combined razor holder and sharpener. Des. 86,520; Mar. 15.

Hawe, William F. M., Crafton, Pa., assignor to Fostoria, Inc., New York, N. Y., and Globe. Des. 86,884; May 3.

Hawerlander, Adolf, New York, N. Y., assignor, by mesne assignments, to Durium Products Corporation. Material and making phonograph records. 1,842,168; Jan. 19.

Hawerlander, Adolf, assignor to Halizite Corporation, New York, N. Y. Producing compressed products. 1,877,864; Sept. 20.

Hawes, Charles L., assignor of one-half to C. Strassheim, Chicago, Ill. Automobile radiator ornament. 1,846,595; Feb. 23.

Hawes, Edward H., assignor to H. Harwood & Sons, Inc., Natick, Mass. Bed. Des. 88,289; Nov. 15.

Hawke, E. R. (See Berney, John L., assignor.)

Hawke, E. R. (See Desmet, John P., assignor.)

Hawes, Harold B., assignor to G. Drouve Co., Fairfield, Conn. Ventilator. 1,859,793; Mar. 22.

Hawes, Harold B., assignor to G. Drouve Co., Fairfield, Conn. Glass structure. 1,869,963; Aug. 2.

Hawes, Welby V., Portland, Oreg. Saw set. 1,878,396; Sept. 20.

Hawgood, Harvey R. (See Harmon, Fred M., assignor.)

Hawie, Gabriel, assignor to The Hawie Manufacturing Company, Bridgeport, Conn. Hose supporter. 1,841,181; Jan. 12.

Hawie Manufacturing Company, The. (See Hawie, Gabriel, assignor.)

Hawie, Michael, Bridgeport, Conn. Buckle for garment supporters. 1,859,702; May 24.

Hawke, Ralph E., Chicago, Ill. Journal box for railway cars. 1,873,885; Aug. 23.

Hawke, Clarence E. (See Benner, R. C., Easter, and Hawks.)

Hawkins, Bert H., Royal Oak, assignor to McCord Radiator & Manufacturing Company, Detroit, Mich. Draw press. 1,844,250; Feb. 9.

Hawkins, Bert H., Royal Oak, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Bushing attachment for valve grinding. 1,881,551; Oct. 11.

Hawkins, Boyd, Miami, Fla. Candy chest. Des. 86,454; Mar. 8.

Hawkins, Orville J., assignor to Mueller Co., Decatur, Ill. Combined meter hanger and template. 1,890,540; Dec. 13.

Hawkins Patents, Ltd. (See Hirschler, Horace L., assignor.)

Hawkins, Paul, Los Angeles, Calif. Cabinet for a drink mixer. 1,872,637; Aug. 16.

Hawkins, Percy O., Hammond, Ind., assignor of one-half to G. A. Rust, Worth, Ill. Excavating machine. 1,857,305; May 10.

Hawkins, Zoy A., Inspiration, Ariz., and H. W. Mossman, McGill, Nev. Furnace feeding apparatus. 1,857,592; May 10.

Hawkins, Walter L., St. Louis, Mo., assignor, by mesne assignments, to Duro Metal Products Company, Chicago, Ill. Spare wheel or tire lock. 1,854,137; Apr. 12.

Hawkins, Walter L., assignor, by mesne assignments, to Frank C. Webb, St. Louis, Mo. Automobile lock. 1,881,552; Oct. 11.

Hawkins, Wilford J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Fusible alloy and making the same. 1,892,273; Dec. 27.

Hawkins, Wilford J., Claiborne, Md., and A. E. Wiener, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Automatic tobacco feed control. 1,864,728; June 28.

Hawkins, William A., Ensley, and G. W. Lathem, Bessemer, Ala. Separating machine. 1,870,113; Aug. 2.

Hawkins, William P., El Paso, Tex. Brake release. 1,876,498; Sept. 6.

Hawks, Estus J., Cedar Rapids, Iowa. Material spreader. 1,859,347; June 7.

Hawks, Joseph W., assignor to The Williams Bakery, Inc., Scranton, Pa. Cake. Des. 87,305; July 5.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Carburetor. 1,867,742; July 19.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Steam separator. 1,874,990; Aug. 30.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Deconcentrator. 1,878,848; Sept. 20.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Continuous blow-off valve. 1,883,727; Oct. 18.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Evaporator top. 1,883,908; Oct. 25.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Marine engine. 1,883,909; Oct. 25.

Hawley, George E., assignor to Master Woodworker Mfg. Co., Detroit, Mich. Sawing machine. 1,866,888; July 12.

Hawley, George W., Bridgeport, Conn., assignor to Kny-Scheerer Corporation, New York, N. Y. Fracture operating table. 1,892,304; Dec. 27.

Hawley, Jesse B., St. Charles, Ill. Sound radiator. 1,872,081; Aug. 16.

Hawley, Jesse B., Geneva, Ill. Sound producing diaphragm and making same. 1,872,583; Aug. 16.

Hawley, John B., Jr. (See Garland, L., and Hawley.)

Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator with caps. 1,841,949; Jan. 19.

Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Pole top pin. 1,863,539; June 14.

Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Ground wire clamp mounting. 1,864,651; June 28.

Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Utilizing wood poles to aid insulators. 1,866,804; July 12.

Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator suspension yoke. 1,871,519; Aug. 16.

Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Noninterfering insulator. 1,889,244; Nov. 29.

Hawley, Luther W., New Rochelle, assignor to International Fire Equipment Corporation, West New Brighton, N. Y. Fire extinguisher. 1,890,541; Dec. 13.

Haworth, John F., deceased, Edgeworth, by the Union Trust Company of Pittsburgh, administrator, Pittsburgh, assignor to S. E. Haworth, Edgeworth, Pa. Cable or wire clamp. 1,859,561; May 24.

Haworth, John R. (See Chorlton, F. O. L., and Haworth.)

Haworth, Sara K. (See Haworth, John F., assignor.)

Haworth, Walter N., Birmingham, England. Concentrating aqueous solutions of acetic or formic acid. 1,867,943; July 19.

Haws, Alpheus G., Berkeley, Calif. Drinking fountain bowl. Des. 87,919; Oct. 11.

Haws, Alpheus G., Berkeley, Calif. Drinking fountain bubbler head. Des. 87,920; Oct. 11.

Haws, William H., assignor of one-half to W. W. Hoffman, Johnstown, Pa. Hot top for ingot molds. 1,850,060; Mar. 15.

Haws, William H., assignor of one-half to W. W. Hoffman, Johnstown, Pa. Hot top for ingot molds. 1,892,464; Dec. 27.

Hawxhurst, John J., assignor to Liquid Dispensing Systems, Inc., Brooklyn, N. Y. Liquid-delivery apparatus. Re18,425; Apr. 12.

Hay, John D., South Bend, Ind., assignor, by mesne assignments, to Bendix Aviation Corporation. Injection engine. 1,871,452; Aug. 16.

Haybeck, Robert, Philadelphia, Pa. Pick-up for air mail exchange. 1,856,848; May 3.
Haybeck, Robert, Philadelphia, Pa. Air mail exchange. 1,860,359; May 31.
Hayden, Arthur C., Brockton, Mass. Motion picture camera. 1,891,262; Dec. 20.
Hayden, George D., Detroit, Mich. Lubricator. 1,872,584; Aug. 16.
Hayden, Harold P., Woodbridge, N. J., assignor to The Barrett Asphalt Company, Philadelphia, Pa. Treating impregnated fabrics. 1,870,564; Aug. 9.
Hayden, Harold R., Brooklyn, N. Y. Electrical signaling system. 1,881,337; Oct. 4.
Hayden, Harold R., Brooklyn, N. Y. Radio dial construction. 1,882,584; Oct. 11.
Hayden, Robert P., and H. N. Manley, assignors to Johnson & Johnson, New Brunswick, N. J. Mounting plasters and other adhesive faced articles. 1,861,530; June 7.
Hayes, Alma B. (See Hayes, Jesse W. and A. B.)
Hayes, Carl i., Providence, R. I. Heat treating furnace. 1,849,714; Mar. 15.
Hayes, Carl L., Providence, R. I. Atmospheric control for heat treating furnaces. 1,851,831; Mar. 29.
Hayes, Cecil. (See Klein, P., Szegvári, McKay, Hayes, and Crenidge.)
Hayes, Cecil, Sreetly, E. W. Madge and F. H. Lane, assignors to Dunlop Rubber Company Limited, Birmingham, England. Manufacture of goods of rubber or similiar material. 1,887,201; Nov. 8.
Hayes, Cecil, S. Coldfield, E. W. Madge, and F. C. Jennings, Erdington, England, assignors to Dunlop Rubber Company Limited. Manufacture of goods of rubber or similar material. 1,890,578; Dec. 13.
Hayes-Donahue Manufacturing Co. Inc., The. (See Jacobs, Joseph, assignor.)
Hayes, Frank A., Middletown, N. J. Friction transmission. 1,856,249; May 3.
Hayes, Frank A., Middletown, N. J. Friction transmission control device. 1,861,008; May 31.
Hayes, Frank A., Middletown, N. J. Variable speed transmission mechanism. 1,865,102; June 28.
Hayes, Frank A., Middletown, N. J. Friction transmission. 1,867,149; July 12.
Hayes, Fred L., Fort Washington, N. Y., assignor, by mesne assignments, to Charles H. Bickell, Passaic, N. J. Tank truck. 1,884,673; Oct. 25.
Hayes, George D. and D. L. Malloy, Denver, Colo. Water level indicator for internal combustion engines. 1,845,421; Mar. 8.
Hayes, George M., assignor of one-half to T. P. Conlon, New York, N. Y. Machine for use in determining the longitude and latitude and direction of flight of an observer. 1,877,459; Sept. 13.
Hayes, Harry, Alhambra, Calif. Apparatus for automatic well drilling. 1,853,351; Apr. 12.
Hayes, Harry, Los Angeles, Calif., assignor to General Petroleum Corporation of California. Making slotted pipe. 1,849,188; Mar. 15.
Hayes, Harry, Los Angeles, Calif., assignor to General Petroleum Corporation of California. Chamfer slotting pipe. 1,868,900; July 26.
Hayes, Harvey C., Washington, D. C. Measuring apparatus. 1,847,243; Mar. 1.
Hayes, Harvey C. Washington, D. C. Oscillograph. 1,860,740; May 31.
Hayes, Harvey C., Washington, D. C. Vibration detector. 1,892,147; Dec. 27.
Hayes, Jesse W., and A. B. Hayes, Takoma Park, Md. Combined container and lamp-shade. 1,875,435; Sept. 6.
Hayes, Lloyd. (See Conlon, W. B., and Hayes.)
Hayes, Ralph S., Ardmore, Pa. Vacuum tube amplifying circuits. 1,851,905; Mar. 29.
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Scotch block. 1,864,539; June 28.
Hayes, Thomas R., Monrovia, Calif. Chair. 1,882,585; Oct. 11.
Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)
Hayes, William, Detroit, Mich. Deck of playing cards. Des. 58,709; Dec. 20.
Hayford, Walter S. (See Dixon, J. B., and Hayford.)
Hayford, Walter S., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Joining wires. 1,864,494; June 14.
Hayford, Walter S., Morristown, and C. R. Moore, Maplewood, N. J., assignors, by mesne assignments, to Western Electric Company, Incorporated. Forming tool. 1,871,321; Aug. 9.
Hayle, Frank C. (See Dickie, W. A., and Hale.)
Hayman, Eber J., Parkersburg, W. Va. Interlocking stovepipe seam. 1,839,674; Jan. 5.
Hayman, Eber J., Parkersburg, W. Va. Locking sheet metal structure. 1,886,881; Nov. 8.
Hayman, William C., Schenectady, and C. A. Piercy, Ballston Lake, N. Y., assignors to General Electric Company. End cap or head for electric cables. 1,892,551; Dec. 27.
Haymond, Paul, Fairmont, W. Va. Water cooler. 1,860,027; May. 24.
Hayn, Georg, Siegen, assignor to Richard Roosen, Kassel, Prussia, Germany. Controlling coal-dust furnaces. 1,890,542; Dec. 13.
Haynes, Delos G. (See Pardee, Harvey S., assignor.)
Haynes, George A., Indianapolis, Ind. Concrete form support. 1,844,760; Feb. 9.
Haynes, James F., Murfreesboro, Tenn. Menu holder. 1,848,951; Mar. 8.
Haynes, James F., Somerville, N. J. Tip for wire cables and applying same. 1,853,681; Apr. 12.
Haynes, Merritt W., Cranford, N. J. Engraving and routing machine. 1,882,586; Oct. 11.
Haynes Stellite Company. (See Metzger, Claude W., assignor.)
Haynes, Stellite Company. (See Wissler, William A., assignor.)
Haynes, William C., Hastings, New Zealand. Electrical branding device. 1,850,280; Mar. 22.
Haynie, Harvie W., Monahans, Tex. Boring and drilling device. 1,861,632; June 7.
Hays, Albert B. (See Thomas, H. T., Bethune, and Hays.)
Hays Corporation, The. (See Sprague, P. T., and Soller, assignors.)
Hays, Donald S., Alhambra, Calif. Power-transferring mechanism. 1,856,835; May 3.
Hays, John E. (See Donohue, James J., assignor.)
Hays, Joseph I., Jackson, Tenn. Channeling machine. 1,858,327; May 17.
Hays Manufacturing Co. (See Schneider, Henry E., assignor.)
Hays Manufacturing Co. (See Schneider, William, assignor.)
Hays, Nora F., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Dirt collector. 1,854,738; Apr. 19.
Hays, Rolfe M., assignor of one-half to C. E. R. Fulcher, Los Angeles, Calif. Carton or container. 1,889,985; Dec. 6.
Hayton Pump & Blower Company. (See Hayton, Thomas R., assignor.)
Hayton, Thomas R., assignor to Hayton Pump & Blower Company, Appleton, Wis. Hydrovacuum pump. 1,849,922; Mar. 15.
Hayward, George A., Watertown, Conn. Vegetable masher. 1,856,954; May 3.
Hayward, Judson, Hackensack, N. J., and H. J. Brendlin, assignors to The Hayward Company, New York, N. Y. Excavating bucket. 1,870,283; Aug. 9.
Haywood Company, The. (See Hayward, J., and Brendlin, assignors.)
Haywood, Harry H., New Britain, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Cup holder. 1,866,805; July 12.
Haywood, Percy W., Toronto, assignor to International Silver Company of Canada, Limited, Hamilton, Ontario, Canada. Centering device. 1,889,986; Dec. 6.
Hazard, George E., assignor to Kellogg Manufacturing Company, Rochester, N. Y. Valve. 1,877,763; Sept. 20.
Hazard, George E., assignor to Kellogg Manufacturing Company, Rochester, N. Y. Tire spreader. 1,878,515; Sept. 20.
Hazard, George E., assignor to Kellogg Manufacturing Company, Rochester, N. Y. Valve. 1,888,948; Nov. 22.
Hazard, Thomas P., Peace Dale, R. I. Operative-support for telephone sets and the like. 1,847,649; Mar. 1.
Hazel-Atlas Glass Co. (See Algeo, A. M., and Ross, assignors.)
Hazel-Atlas Glass Co. (See Bennett, R., and Bowman, assignors.)
Hazel-Atlas Glass Co. (See Brady H. S., and Williams, assignors.)
Hazel-Atlas Glass Co. (See Bryant, Thomas W., assignor.)
Hazel-Atlas Glass Co. (See Cordy, Ivor, assignor.)
Hazel-Atlas Glass Co. (See Covey, Arthur, assignor.)
Hazel-Atlas Glass Co. (See Freese, Ira H., assignor.)
Hazel-Atlas Glass Co. (See Freese, I. H., and Dawson, assignors.)
Hazel-Atlas Glass Co. (See Good, Robert, assignor.)
Hazel-Atlas Glass Co. (See Gray, Daniel M., assignor.)
Hazel-Atlas Glass Co. (See Gursuch, Raiph, assignor.)
Hazel-Atlas Glass Co. (See Hardman, Coy H., assignor.)
Hazel-Atlas Glass Company. (See Hardman, C. H., and Thomas, assignors.)
Hazel-Atlas Glass Co. (See Kirkpatrick. John, assignor.)
Hazel-Atlas Glass Co. (See Miller, William J., assignor.)
Hazel-Atlas Glass Co. (See Peregoy, Frederick N., assignor.)
Hazel-Atlas Glass Co. (See Ross, James W., assignor.)
Hazel-Atlas Glass Co. (See Smith, Frazier, assignor.)
Hazel-Atlas Glass Co. (See Spence, James E., assignor.)
Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)
Hazel-Atlas Glass Co. (See Stephens, Henry C., assignor.)
Hazel, Eugene G., Orlando, Fla. Grass clipper. 1,852,884; Apr. 5.
Hazel, Fred C., Binghamton, N. Y. Automobile and motor cycle signal light. 1,860,416; May 31.
Hazeldine, Joseph, Zion, Ill., assignor to Richmond Lace Works, Inc., Alton, R. I. Lace or article of analogous nature. Des. 57,921; Oct. 11.
Hazell, Eardley. (See Dutton, P. C., and Hazell.)
Hazell, Eardley. (See Gibbons, W. A., and Hazell.)
Hazell, Eardley, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacturing rubber articles. 1,864,044; June 21.

Hazell, Eardley, New York, N. Y., assignor to Morgan and Wright, Detroit, Mich. Form for the manufacture of rubber articles. 1,851,021; Oct. 4.

Hazeltine Corporation. (See Hazeltine, Louis A., assignor.)

Hazeltine Corporation. (See Johnson, John K., assignor.)

Hazeltine Corporation. (See MacDonald. William A., assignor.)

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Hazeltine, Francis T. (See Flint, J. A., and Hazeltine.)

Hazeltine, Harry H., Everett, Wash., assignor to The Heco Company, Portland, Oreg. Metal flask. 1,875,596; Sept. 6.

Hazeltine, Louis A. Oakland, Calif., assignor to Hazeltine Corporation. Antenna coupling system. 1,852,710; Apr. 5.

Hazeltine, Louis A., Hoboken, N. J., assignor to Hazeltine, Corporation. Radio receiving system. 1,869,804; Aug. 2.

Hazeltine, Robert H., assignor to Specialty Machine Company, New York, N. Y. Golf ball. 1,855,448; Apr. 26.

Hazeltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill., Buffer. 1,852,567; Apr. 5.

Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose supporter. 1,855,144; Apr. 19.

Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,850,149; Mar. 22.

Hazelton, George, and T. B. Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for fitting heels to the soles of shoes. 1,847,244; Mar. 1.

Hazelton, George, and T. B. Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for conditioning parts of shoes. 1,884,674; Oct. 25.

Hazleton Manufacturing Co. (See Markle, George B., jr., assignor.)

Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Back brace for machine shaper ram. 1,843,360; Feb. 2.

Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Releasable shaft-rotating device. 1,851,307; Mar. 29.

Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Hydraulic hold-down. 1,881,185; Oct. 4.

Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Metal shears. 1,885,488; Nov. 1.

Hazen, Lysle L., Joplin, Mo. Jar for drilling tools. 1,888,126; Nov. 15.

Hazenfield, Ernie F., assignor to Williams Sealing Corporation, Decatur, Ill. Safety device for presses 1,869,895; Aug. 2.

Hazleton Manufacturing Co. (See Markle, George B., jr., assignor.)

Hazlett, Wallace W., and C. Z. First, New York, N. Y., and M. R. Goodman, Union City, N. J. Closure for collapsible tubes and the like. 1,891,280; Dec. 20.

Hazlett, Walter H., assignor to J. Grant, Los Angeles, Calif. Undercreamer. Re18,473; May 17.

Hazlewood, John A., Pittsburgh, Pa. Window sash. 1,874,746; Aug. 30.

H'Doubler, Charles W., Springfield, Mo. Thread cutter for screwing machines or the like. 1,883,040; Oct. 18.

Heacock, Foster J., Clearville, Pa. Shipping container. 1,871,610; Aug. 16.

Head, Bonnie, et al. (See Head, Herman E., assignor.)

Head, Cecil A., Ferndale, Mich. Radiator. 1,848,627; Mar. 8.

Head, David, et al. (See Head, Herman E., assignor.)

Head, Donald, et al. (See Head, Herman E., assignor.)

Head, Drew, Chicago, Ill. Internal combustion motor. 1,891,326; Dec. 20.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Hob. 1,846,640; Feb. 23.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Worm gearing. 1,852,775; Apr. 5.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for burnishing gears. 1,858,044; May 10.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Cutting gears. 1,877,173; Sept. 13.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Method and apparatus for relieving hobs. 1,877,174; Sept. 13.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Hob. 1,882,008; Oct. 11.

Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Method and apparatus for relieving hobs. 1,882,009; Oct. 11.

Head, Herman E., assignor of two-thirds to A. J. Richardson, Arvin, Calif., one thirty-sixth to M. J. Head, one thirty-sixth to J. Head, one thirty-sixth to D. Head, one thirty-sixth to B. Head, one thirty-sixth to D. Head, and seven thirty-sixths to W. Head. Dispensing machine for bottled goods. 1,860,028; May 24.

Head, James, et al. (See Head, Herman E., assignor.)

Head, James E., and Charles F. Lukins, Tulsa, Okla. Liquid dispensing apparatus. 1,883,787; Oct. 18.

Head, Mary J., et al. (See Head, Herman E., assignor.)

Head, Robert, Yonkers, assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Cutter head for phonograph recording. 1,874,101; Aug. 30.

Head, Thomas W., Bridgnorth, England. Tuft cutter. 1,849,051; Mar. 15.

Head, Wilma, et al. (See Head, Herman E., assignor.)

Headland, Harvey S., Pittsburgh, Pa. Illuminated canopy for casket illumination. 1,871,611; Aug. 16.

Headlee, Thomas J., Dayton, and J. M. Ginsburg, New Brunswick, N. J., assignors to Tobacco By-Products & Chemical Corporation, Louisville, Ky. Insecticide spray. 1,891,091; Dec. 13.

Headless Multiple Motor Corporation. (See Cadwell, Leslie E., assignor.)

Headley, Annie B., executrix. (See Headley, Frederick H.)

Headley, Benjamin T., D. I. Du Bois, B. H. Knob, Millville, N. J., and F. H. Lobb, Ridley Park, Pa., assignors to Whitall-Tatum Company, Millville, N. J. Glass working machine. 1,844,549; Feb. 9.

Headley, Frederick H., deceased, Northfield, Birmingham, assignor to Headley, executrix, assignor to The Tan Sad Chair Company (1931) Limited, Birmingham, England. Chair, seat and the like. 1,860,096; May 24.

Headley, George L. (See Errington, A. E., and Headley.)

Headley, William R., Glendale, Calif. Vertically movable hinged panel door. 1,857,756; May 10.

Heaford, Edwin V., Denver, Colo. Attachment for clothes wringers. 1,867,005; July 12.

Heald Machine Company, The. (See Booth, C., and Haas, assignors.)

Heald Machine Company, The. (See Gallimore, Keith F., assignor.)

Heald Machine Company, The. (See Gannon, George H. P., assignor.)

Heald Machine Company, The. (See Garno, George E., assignor.)

Heald Machine Company, The. (See Guild, Waldo J., assignor.)

Heald Machine Company, The. (See Guild, W. J., and Burns, assignors.)

Heald Machine Company, The. (See Haas, Frederick S., assignor.)

Heald Machine Company, The. (See Harrison, R. E. W., Haas, and Binns, assignors.)

Heald Machine Company, The. (See Heald, R. N., Guild, Burns, and Garno, assignors.)

Heald Machine Company, The. (See Heald, R. N., Taylor, Quimby, and Highberg, assignors.)

Heald Machine Company, The. (See Highberg, Carle J., assignor.)

Heald Machine Company, The. (See Lippard, Robert M., assignor.)

Heald Machine Company, The. (See Nenninger, Lester F., assignor.)

Heald Machine Company, The. (See Page, D. C., and Scott, assignors.)

Heald Machine Company, The. (See Page, Dwight C., assignor.)

Heald Machine Company, The. (See Scaife, Joseph D., assignor.)

Heald Machine Company, The. (See Schmidt, William D., assignor.)

Heald Machine Company, The. (See Scott, Gherald D., assignor.)

Heald Machine Company, The. (See Turner, Albert, assignor.)

Heald Machine Company, The. (See Warsow, Franz, assignor.)

Heald Matthew L., Portland, Me., assignor to American Can Company, New York, N. Y. Scroll shear device. 1,846,330; Feb. 23.

Heald, Roger N., E. M. Taylor, R. A. Quimby, and C. J. Highberg, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,841,809; Jan. 19.

Heald, Roger N., W. J. Guild, A. P. Burns, and G. E. Garno, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,881,553; Oct. 11.

Heald, William C., Bellows Falls, Vt. Automatic voltage controller. 1,875,868; Sept. 6.

Healton, Hugh J., New York, N. Y. Costumer. 1,887,840; Nov. 15.

Health Developing Apparatus Company. (See Hardy, Peter S., assignor.)

Health Developing Apparatus Company. (See Thomson, J. M., and Hardy, assignors.)

Health Developing Apparatus Co. (See Troendly, H. P., and Pariera, assignors.)

Health Developing Apparatus Co. Inc. (See Pareira, Fred, assignor.)

"Health" Ray Mfg. Co. (See Gruber, William R., assignor.)

Health, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Preparation of strong hydrogen halide gas. 1,892,652; Dec. 27.

Healy, Dennis L., St. Paul, Minn. Wall hanger for radiators. 1,848,479; Mar. 8.

Healy, Dennis L., and D. C. Rufe, 2d, St. Paul, Minn. Radiator hanger. 1,852,841; Apr. 5.

Healy, Joseph A., Barre, Vt. Controlled conveying and feeding of abrasives. 1,853,611; Apr. 12.

Healy, William A., assignor to Standard Tube and Manufacturing Company, Detroit, Mich. Closure for apertured receptacles. 1,843,128; Feb. 2.

Healy, William F., assignor to B. F. Sturtevant Company, Boston, Mass. Method and apparatus for assembling disks or fins on tubes. 1,869,195; July 26.

Heaney, John G., Oakland, Calif. Sewer rod. 1,872,944; Aug. 23.

Heaney, William A., assignor to Locke Regulator Company, Salem, Mass. Automatic regulator. 1,840,813; Jan. 12.

Heany, John A., Detroit, Mich., assignor to Sirian Lamp Company, Newark, N. J. Cathode coating composition and making the same. 1,892,528; Dec. 27.

Heap, Leonard. (See Sheldon, E., and Heap.)

Heap, Walter. (See Shaw, John S. and Heap.)

Heard, Edmund F., Hampton, Va. Method and apparatus for seeding leaks. 1,876,415 Sept. 6.

Hearn, Edmund B., Porterville, Calif. Drinking fountain for baby chicks. 1,851,278; Mar. 29.

Hearn, George K. (See White, K. M., and Hearn.)

Hearne, Sonya D., Dunphis, Tenn. Waste paper container. 1,888,127; Nov. 15.

Heasley, James G., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Container. 1,859,331; May 24.

Heat and Draft Control, Inc. (See Green, M., assignor.)

Heat Treating Company. (See Laird, Wilbur G., assignor.)

Heater Glove Company. (See Wells, Benjamin H., assignor.)

Heath, Charles W., Sioux City, Iowa. Automatic locking gas tank cover. 1,880,135; Sept. 27.

Heath, Chester S., South Charleston, W. Va., assignor to Electro Metallurgical Company. Annealing process. 1,869,254; July 26.

Heath, Earl R. (See Eaton, G. R. and Heath.)

Heath, Herbert A., Upper Montclair, N. J. Oil burning furnace. 1,886,675; Nov. 8.

Heath, Frank M., Silver Spring, Md. Horse collar cushion. 1,850,247; Mar. 22.

Heath, Frank W., Pittsburg, assignor to Shell Development Company, San Francisco, Calif. Refining petroleum hydrocarbons. 1,882,382; Oct. 22.

Heath, Harry C., San Francisco, Calif. Suction horn. 1,865,006; June 28.

Heath, Herbert A. (See Trencham, H., and Heath.)

Heath, Howard, Rexburg, Idaho. Washing, cleaning, and polishing glove. 1,882,588; Oct. 11.

Heath, Marian B., Meadville, Pa. Box or similar receptacle. Des. 87,513; Aug. 9.

Heath, Max L., assignor to Stanley Clothing Company, Evansville, Ind. Reenforced trousers pocket. 1,876,925; Sept. 13.

Heath, Oliver J. (See Bunting, W. H., Yager, and Heath.)

Heath, Oliver J., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Graphiting machine. 1,876,226; Sept. 6.

Heath, Sheldon B. (See Barstow, E. O., and Heath.)

Heath, Sheldon B. (See Hunter, R. M., and Heath.)

Heath, Sheldon B., assignor of The Dow Chemical Company, Midland, Mich. Partially dehydrated sodium sulphide. 1,843,767; Feb. 2.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Producing solid mixed chlorides of magnesium and calcium in divided form. 1,851,308; Mar. 29.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Preparing in partially dehydrated form metallic chlorides containing water of crystallization. 1,851,309; Mar. 29.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Calcium chloride and making same. 1,852,303; Apr. 5.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Preparation of a mixed calcium chloride-calcium chlorate product. 1,854,405; Apr. 19.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Making metallic magnesium. 1,863,221; June 14.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Preparing partially dehydrated magnesium chloride. 1,871,411; Aug. 9.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Preparing partially dehydrated magnesium chloride. 1,871,435; Aug. 9.

Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of calcium chlorate. 1,887,809; Nov. 15.

Heath, Spencer, Elkridge, assignor to The American Propeller Company, Baltimore, Md. Forming a propeller. 1,869,478; Aug. 2.

Heath, Spencer, assignor to The American Propeller Company, Baltimore, Md. Propeller. 1,875,597; Sept. 6.

Heath, Spencer, assignor to The American Propeller Company, Baltimore, Md. Propeller. 1,875,598; Sept. 6.

Heath, William C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Machine tool. 1,851,310; Mar. 29.

Heath, William C., Beloit, Wis., assignor to Fairbanks, Morse, & Co., Chicago, Ill. Pressure actuated switch. 1,876,926; Sept. 13.

Heat-O-Matic Electrical Device Corporation Ltd. (See McCall, William H., assignor.)

Heat Treating Company. (See Laird, Wilbur G., assignor.)

Heating Systems Limited. (See Guimont, Joseph W., assignor.)

Heaton, Herman C. (See Musham, Harry A., assignor.)

Heaton, Herman C., Chicago, Ill. Powdered fuel burner. 1,892,053; Dec. 27.

Heaton, Roy C., Tacoma, assignor to Tractor Parts Company, Seattle, Wash. Loading and transporting device. 1,874,007; Aug. 30.

Heaton, William H., Shawnee, Kans. Heating device for the windshields of motor vehicles. 1,868,142. July 19.

Heatwole, Floyd E., Ballston, Va. Means to improve conductivity. 1,882,587; Oct. 11.

Hebb, John A., Hopwood, Pa. Newspaper vending machine. 1,876,292; Sept. 6.

Hebb, John A., Hopwood, and O. H. Morris, Uniontown, Pa. Newspaper vending machine. 1,848,628; Mar. 8.

Hebbeler, George W., St. Louis, Mo. Storage battery. 1,847,214; Mar. 1.

Hebbeln, Louis. (See Schwerin, F. H., and Hebbeln.)

Hebeler, Edward S., Williamsville, assignor to Allan Manufacturing and Welding Company Inc., Buffalo, N. Y. Electric heating apparatus. 1,864,435; June 21.

Heber, Michael, San Jose, Calif. Mop wringer. 1,886,184; Nov. 1.

Heberlein & Co., A. G. (See Heberlein, G., and Bodmer, assignors.)

Heberlein, Georges, and A. Bodmer, assignors to Heberlein & Co., A. G., Wattwil, Switzerland. Producing cellulose esters. 1,858,993; May 17.

Heberlein, Georges, and A. Bodmer, Wattwil, Switzerland. Treating vegetable fibrous material and resulting product. 1,867,006; July 12.

Hebern, Edward H., Oakland, Calif., assignor to International Code Machine Company, Reno, Nev. Cryptographic machine. 1,861,857; June 7.

Hebert, Fred C. (See Main, F. L., and Hebert.)

Hebig, Henry C., Brooklyn, N. Y. Toy vehicle. Des. 87,060; May 31.

Hebig, Henry C., Woodhaven, N. Y., assignor, by mesne assignments, to L. L. Hammond and W. P. Hammond, jr. Antenna. 1,851,178; Mar. 29.

Hebig, Henry C., assignor to Better Packages, Inc., New York, N. Y. Tape vending machine. 1,872,945; Aug. 23.

Hebler, William O., assignor to Charles Engelhard, Inc., Newark, N. J. Gas analysis apparatus. 1,860,541; May 31.

Hebler, William O., assignor to C. Engelhard, Inc., Newark, N. J. Gas analysis apparatus. 1,874,520; Aug. 30.

Hebrew University, The. (See Deninson, Jacob Z. A., assignor.)

Hechenbleikner, Ingenuin, assignor, by mesne assignments, to Chemical Construction Corporation, Charlotte, N. C. Spray burner. 1,844,653; Feb. 9.

Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Contact method of sulphuric acid manufacture. 1,845,413; Feb. 16.

Hechenbleikner, Ingenuin, assignor to Chemical Construction Corporation, Charlotte, N. C. Manufacture of phosphric acid. 1,851,179; Mar. 29.

Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Atomizing apparatus. 1,853,682; April 12.

Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Manufacture of nitric acid from ammonia. 1,872,638; Aug. 16.

Hechenbleikner, Ingenuin and N. Titlestad, assignors to Chemical Construction Corporation, Charlotte, N. C. Converter. 1,889,549; Nov. 29.

Hecht, Arthur J., New York, N. Y. Drawer construction for show and stock cases. 1,868,101; July 19.

Hecht, Gerhard. (See Ossenbeck, A., Tietze, and Hecht.)

Hecht, Gerhard, Wuppertal-Elberfeld, Anton Ossenbeck, Cologne-Mulheim, and Ernst Tietze, Cologne, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Contrast media for X-ray photography. 1,868,602; July 26.

Hecht, Heinrich, Kiel, Germany, assignor to Electroacustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Arrangement of sound transmitters and sound receivers on ships. 1,872,946; Aug. 23.

Hecht, Heinrich, and U. John, assignors to Electroacustic Gesellschaft mit beschrankter Haftung, Kiel, Germany, a Firm. Air sound apparatus. 1,847,873; Mar. 1.

Hecht, Heinrich, and W. Rudolph, assignors to Electroacustic Gesellschaft mit beschrankter Haftung, Kiel, Germany. Apparatus for the reception and transmission of wave energy in space. 1,863,716; June 21.

Hecht, Joseph L., Davenport, Iowa, assignor to French & Hecht, Incorporated. Traction wheel. 1,888,627; Nov. 22.

Hechtenberg, Wilhelm. (See Herz, R., Steiger, and Hechtenberg.)

Heckel, Herman, and W. T. Reddish, Cincinnati, Ohio, assignors to The Kontol Company, Dallas, Tex. Process of and reagent for treating petroleum emulsions. 1,872,286; Aug. 16.

Heckendorn, Alphonse. (See Haller, R., and Heckendorn.)

Heckert, Frederick W., Dayton, Ohio. Fluid pump. 1,881,554; Oct. 11.
Hecking, Arnuit. (See Stockhausen, H., Schlotterbeck, Crenier, and Hecking.)
Heckroth, Frederic C., assignor of one-half to P. L. Berke, Duluth, Minn. Piston packing. 1,892,189; Dec. 27.
Hector, Marcel. (See Pellerin, E., Hector, and Carpentier.)
Hedberg, Carl W. J. (See Wintermute, H. A., and Hedberg.)
Hedberg, Carl W. J., Middlesex, N. J., assignor to Research Corporation, New York, N. Y. Conditioning gases for electrical precipitation. 1,883,372; Oct. 18.
Hedberg, Carl W. J., Middlesex, N. J., assignor to Research Corporation, New York, N. Y. Purification of blast furnace gases. 1,883,373; Oct. 18.
Hedberg, Charles, Chicago, Ill. Snow and ice remover. 1,872,082; Aug. 16.
Hedderick, Herman F. (See Sherwan, A. C., Grant, and Hedderick.)
Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Fishing line. 1,842,169; Jan. 19.
Heddon's, James, Sons. (See Heddon, Charles, assignor.)
Heddon's, James, Sons. (See Welch, Jack T., assignor.)
Heddy, Edward H., Fillmore, Calif. Magazine type of drilling tool. 1,879,226; Sept. 27.
Hedeen, Elmer, Bucyrus, Ohio. Burial vault. Des. 86,310; Feb. 23.
Hedeen, Elmer, assignor to C. F. Michael, Bucyrus, Ohio. Burial vault. 1,874,994; Aug. 30.
Hedegard, Clarence A., Chicago, Ill. Book-end. Des. 87,718; Sept. 6.
Hedenstrom, Ernest A. (See Swanson, E. W., and Hedenstrom.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Car truck. 1,856,250; May 3.
Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Brake lever bracket. 1,872,449; Aug. 16.
Hedge, Roy, Pleasant Ridge, Mich. Spit. 1,860,577; May 31.
Hedglon, Mead, assignor to De Banks M. Henward, jr., Syracuse, N. Y. Oil changing system. 1,886,098; Nov. 1.
Hedgpeth, Theron L., Warsaw, Ind., assignor of one-half to N. M. Barnhart, Oakland, Calif. Radial saw arm. 1,846,641; Feb. 23.
Hedin, Gustaf V. (See Mellgren, G. E., Sjöström, Swahn, and Hedin.)
Hedland, Rhody W. (See Sederland, Carl, assignor.)
Hedman, Herbert R., Winnetka, assignor to The Hedman Manufacturing Company, Chicago, Ill. Check writer. Des. 87,574; Aug. 16.
Hedman Manufacturing Company. (See Carlson, John W., jr.)
Hedman Manufacturing Company, The. (See Hedman, Herbert R., assignor.)
Hedrick, Richard, Los Angeles, Calif. Apparatus for producing aggregates. 1,882,421; Oct. 11.
Hedstrom, Ludvig J., Kansas City, Kans. Power transmission. 1,873,203; Aug. 23.
Heenseth, Henry. (See Wells, Nathaniel C., assignor.)
Heenan, Frank, et al. (See Giles, Dean R., assignor.)
Heenan & Froude Limited. (See Walker, George H., assignor.)
Heene, George W., Cleveland, Ohio. Chuck for embossing and vending apparatus. 1,854,029; Apr. 12.
Heene, George W., Cleveland, Ohio. Embossing and vending apparatus. 1,856,760; May 3.
Heene, George W., Cleveland, Ohio. Embossing and vending apparatus. 1,866,676; July 12.
Heene, George W., Cleveland, Ohio. Printing means. 1,878,516; Sept. 20.
Heerdt, George H., and G. W. E. Marsden, Los Angeles, Calif. Roller-mop. 1,850,501; Mar. 22.
Heerdt, Walter, Frankfort-on-the-Main, Eschersheim, Germany. Folding bedstead. 1,875,456; Sept. 6.
Heertsch, Willy, Erfurt, Germany. Direction indicator. 1,877,506; Sept. 13.
Heerwagen, Leo F., Fayetteville, Ark. Gear shift lever picture knob. 1,848,526; Mar. 8.
Heeter, Allen F. (See Buhrke, A. E., and Heeter.)
Heetkamp, Heinrich, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Mandrel bar guide. 1,874,992; Aug. 30.
Heetkamp, Heinrich, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Guide for the mandrel shafts in tube drawing benches. 1,879,743; Sept. 27.
Heetkamp, Heinrich, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Tube drawing bench. 1,880,314; Nov. 29.
Heffelfinger, Paul E. (See Jung, O. H., and Heffelfinger.)
Heffernan, George F., jr., St. Louis, Mo. Charcoal block. 1,866,93; July 12.
Heffner, Karl, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio apparatus for intercommunication or duplex operation. 1,874,993; Aug. 30.
Hefner, Heinrich. (See Schmelzer, A., Ballauf, and Hefner.)
Heft, William F., assignor to McAdoo & Allen Welting Company, Quakertown, Pa. Goodyear welting. 1,871,612; Aug. 16.
Heftye, Birger, Tampico, Mexico. Valve. 1,839,311; Jan. 5.
Hegan, Chester P., assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,870,196; Aug. 2.
Hegel, George W., Schenectady, N. Y., assignor to General Electric Company. Temperature regulator. 1,842,967; Jan. 26.
Hegeler, Julius W., and H. E. Ercanbrack, assignors to The Hegeler Zinc Company, Danville, Ill. Grate. 1,888,348; Nov. 22.
Hegeler Zinc Company. (See Hegeler, J. W., and Ercanbrack, assignors.)
Hegenbarth, Francis, New Orleans, La. Intermediate carrier for sugar cane mill. 1,883,186; Oct. 4.
Hegenberger, Albert F. (See Luckey, G. P., and Hegenberger.)
Hegenberger, William H., assignor of one-fourth to J. P. Clary, Hartford, Conn. Can. 1,872,585; Aug. 16.
Heggem, Alfred G., Tulsa, Okla. Oil saver. 1,881,555; Oct. 11.
Heggem, Alfred G., Tulsa, Okla. Packing casing head. 1,881,556; Oct. 11.
Heggem, Alfred G., Tulsa, Okla. Valve. 1,888,000; Nov. 15.
Heggem, Alfred G., Tulsa, Okla. Stuffing box. 1,891,417; Dec. 20.
Heggie, James. (See Corrall, H., and Heggie.)
Heginbottom, Anna, et al., executors. (See Heginbottom, W. G., and Francis.)
Heginbottom, Walter G., deceased, and J. R. Francis, Flint, Mich.; The Union Industrial Trust Company and A. Heginbottom, executors. Carburetor. 1,845,710; Feb. 16.
Hegnes, Peter J., Canton, S. Dak. Silo. 1,885,013; Oct. 25.
Hegyessy, Harold M., Alliance, Ohio. Switch. 1,845,915; Feb. 16.
Heiligaus, Friedrich, Berlin-Hermsdorf, Germany, assignor to General Electric Company, Apparatus for photographically recording sound. 1,873,646; Aug. 23.
Hehr, Frederick G., assignor to Aerol Engine Corporation, New York, N. Y. Air-cooled cylinder for internal combustion engines. 1,849,086; Mar. 15.
Hehr, Frederick G., assignor to Aerol Engine Corporation, New York, N. Y. Combustion chamber for Diesel engines. 1,874,994; Aug. 30.
Hehre, Frederick W., Arlington, N. J., assignor to L. W. Rosenthal, New York, N. Y. Apparatus for toy electric railways. 1,879,227; Sept. 27.
Heiberger, Eugene S., et al. (See McPherson, Clarence D., assignor.)
Heibig, Edouard, Paris, France. Dialyzer frame. 1,849,622; Mar. 15.
Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for hydrocarbon oil conversion. 1,850,930; Mar. 22.
Heidbreder, Herman F., assignor to Central Pattern Company, Quincy, Ill. Flush construction range. 1,853,270; Apr. 12.
Heidbrink, Jay A., Minneapolis, Minn. Pressure regulating device for gases. 1,858,084; May 10.
Heide, Clarence J., Colota, Ill. Tractor guard. 1,843,392; Feb. 2.
Heide, Oscar S., Chicago, Ill. Outboard motor. 1,857,636; May 10.
Heidecorn, Max, Mount Vernon, and C. J. Miller, Bronx, N. Y. Indicating device. 1,880,089; Sept. 27.
Heidelberg, Victor. (See Rubinstein, J., Heidelberg, Uhlhorn, and Dahners.)
Heidelberg, Victor, Bensberg, near Cologne, assignor to Motorenfabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Method and high compression internal combustion engine for working with gas and liquid fuel. 1,858,824; May 17.
Heidelberg, Victor, Bensberg, near Cologne, assignor to Motorenfabrik Deutz, Aktiengesellschaft Cologne-Deutz, Germany. Combustion chamber for internal combustion engines. 1,885,719; Nov. 1.
Heidemann, Frederick J., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,861,089; May 31.
Heidman, Joseph, Los Angeles, Calif. Game. 1,877,865; Sept. 20.
Heiden, John A., Pittsburgh, Pa. Rolling mill. 1,870,509; Aug. 9.
Heidig, Simon, Detroit, Mich. Aeroplane. 1,882,589; Oct. 11.
Heidenhain, Johannes, Berlin, Germany. Manufacture of screens. 1,877,310; Sept. 13.
Heidenreich, Rudolf, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Compound of the imidazole benzanthraquinone series. 1,847,561; Mar. 1.
Heidenreich, Rudolf, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs of the anthanthrone series. 1,880,440; Oct. 4.
Heidenreich, Rudolf M. (See Mieg, Walter, and Heidenreich.)
Heidenreich, Rudolf M., and P. Tust, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Phenanthridone and making same. 1,880,441; Oct. 4.

Heider, Henry J., Carroll, Iowa. Adjustable tongue hound. 1,855,236; Apr. 26.

Heidergott, Harry W., assignor to International Machine Tool Company, Indianapolis, Ind. Sideway for machine tools and process of producing same. 1,849,455; Mar. 15.

Heidinger, Willy, Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Punching machine. 1,867,007; July 12.

Heidinger, Willy, Berlin, Germany, assignor to Dayton Scale Company, Dayton, Ohio. Scale chart. 1,878,697; Sept. 20.

Heidloff, Joseph R. (See Bowen, H. C., and Heidloff.)

Heidloff, Joseph R., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Hose coupling assembling machine. 1,886,507; Nov. 8.

Heidloff, Joseph R. assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder piston for hydraulic brake systems. 1,889,987; Dec. 6.

Heidmann, Leon, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Electrical switching apparatus. 1,859,312; Jan. 5.

Heidrich, Helene, geboren Noppenz, Dresden, Germany. Bodkin for drawing material through hollow hems. 1,891,815; Dec. 20.

Heier, Samuel, Akaska, S. Dak. Governor for threshing machines. 1,855,169; Apr. 19.

Heifner, John C., Ashland, Ohio. Hat and coat rack. Des. 86,675; Apr. 5.

Heighes, Cecil H., Albuquerque, N. Mex. Clothes pressing machine pad. 1,839,553; Jan. 5.

Heigis, Henry E., West Orange, N. J., assignor to Walter Kidde Company, Inc., New York, N. Y. Fire extinguisher support. 1,879,228; Sept. 27.

Heijkenskjöld, Gustaf O. W., assignor to Aktiebolaget Jästa, Stockholm, Sweden. Manufacturing yeast. 1,881,557; Oct. 11.

Heil Co., The (See Eisenberg, Charles G., jr., assignor.)

Heil Co., The (See Heil, Julius P., assignor.)

Heil Co., The (See Heil, Julius P., and Landry, assignors.)

Heil Co., The (See Kuhlman, George W., assignor.)

Heil Co., The (See Thwaits, Frederick G., assignor.)

Heil, Julius P., assignor to The Heil Co., Milwaukee, Wis. Swelling pillion cement compartment. 1,867,699; July 19.

Heil, Julius P., Milwaukee, and G. L. Landry, West Allis, assignors to The Heil Co., Milwaukee, Wis. Telescopic hoist. 1,887,508; Nov. 15.

Heilbron, Clarice E., Belvedere, Calif. Doll. Des. 86,121; Feb. 2.

Heilbron, Clarice E., Belvedere, Calif. Doll. Des. 86,122; Feb. 2.

Heilbronn, Adolf. (See Meyer, M., and Heilbrunn.)

Heile, Harriet, Chicago, Ill., assignor to Ward Baking Company, New York, N. Y. Cake box. Des. 87,575; Aug. 16.

Heileman, C. Richard, et al. (See Heileman, Charles J., assignor.)

Heileman, Charles J., assignor to E. A. Heileman, C. R. Heileman, and Isabel Hill, Ky. Band-clasp for wrist-watches. 1,854,257; Apr. 19.

Heileman, Edward A., et al. (See Heileman, Charles J., assignor.)

Heilbecker, Eugene C., assignor to National India Rubber Company, Bristol, R. I. Footwear. 1,880,389; Oct. 4.

Heilman, William A., Orange, assignor to Newark Rivet Works, Newark, N. J. Bag frame side catch. 1,862,621; June 14.

Heim, Clarence, and H. L. Handy, Sherman, Tex. Grave digging machine. 1,866,037; July 5.

Heim, Lewis R., Danbury, Conn. Bearing construction. 1,835,914; Nov. 1.

Heim, Warren M., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Insulator bracket. 1,866,104; July 5.

Heiman, Charles, Philadelphia, Pa. Pivoted end sliding window sash. 1,839,554; Jan. 5.

Heiman, Sidney J., St. Louis, Mo. Oil burner. 1,857,846; May 10.

Heimann, Heinrich. (See Pahl, A., and Heimann.)

Heimann, Heinrich, Dessau, in Anhalt, E. Opfermann, Berlin-Charlottenburg, I. Petersen, Wolfen, K. Bittenfeld, and A. Bayerl, Dessau, in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Opening-up resiniferous wood. 1,840,162; Jan. 5.

Heimann, Heinrich, Dessau in Anhalt, I. Petersen, Wolfen, K. Bittenfeld, A. Bayerl, and H. Seefried, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-Main, Germany. Extraction of cellulose from materials containing cellulose. 1,840,198; Jan. 12.

Heimann, Heinrich, and P. Virck, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Arylated aminonaphthalene derivatives. 1,857,541; May 10.

Heimann, Heinrich, and P. Virck, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Amino arylated amino naphthalene derivatives. 1,857,542; May 10.

Heimann, Heinrich, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacturing mixed fertilizers. 1,869,685; Aug. 2.

Heimann, Heinrich, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of a non-hygroscopic mixed fertilizer. 1,873,401; Aug. 23.

Heimberger, Hermann, Reutlingen, Germany. Hydraulic drive. 1,844,251; Feb. 16.

Heimberger, Oscar W., West Brighton, Staten Island, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,868,961; July 26.

Hein, Frank J. (See Ream, H. S., jr., and Hein.)

Hein, George N., San Francisco, Calif. Cigarette holder. 1,842,225; Feb. 2.

Hein, Gustave, Astoria, N. Y., assignor, by mesne assignments, to Leviton Manufacturing Company. Connecter plug. 1,882,590; Oct. 11.

Hein, Herbert. (See Engelhardt, V., Eger, and Hein.)

Hein, Hermann, Bremen, Germany. Landing device for aircraft. 1,856,332; May 3.

Hein, Hermann, Bremen, Germany. Landing sail for aircraft. 1,870,115; Aug. 2.

Hein, Hermann, Bremen, Germany. Aircraft landing sail. 1,870,116; Aug. 2.

Hein, Hermann, Bremen, Germany. Skimming aircraft landing sail. 1,891,909; Dec. 20.

Hein, Paul, Berlin-Baumschulenweg, Germany. Shank piece for shoes. 1,866,209; July 5.

Heinauer, William J., Massillon, assignor, by mesne assignments, to The Massillon Manufacturing Company, Cleveland, Ohio. Rolling machine. 1,874,995; Aug. 30.

Heincken, Harry, Valley Falls, Kans. Automatic adjustable cultivator fender. 1,844,654; Feb. 9.

Heine, Charles A. (See Cleveland, C. H., Heine, and Allison.)

Heine, Hermann, assignor to the Firm Ernst Leitz, Optische Werke, Wetzlar, Germany. Illuminating device for microscopes. 1,840,448; Jan. 12.

Heinecke, Fredrick G., Alexandria, Minn. Chain connecter. 1,866,889; July 12.

Heineman, Oscar, Corporation. (See Morey, Frank E., assignor.)

Heineman, Warren F. (See Andren, B. T., Heineman, and Crawford.)

Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Butt welding by means of a flashing electric arc. 1,857,505; May 10.

Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Flash welding tubular articles. 1,866,256; July 5.

Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically welding tubular articles. 1,866,257; July 5.

Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Manufacturing electrically welded tubular articles. 1,872,287; Aug. 16.

Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding apparatus. 1,883,911; Oct. 25.

Heinemann, Albert W., Independence, Kans. Automobile oiling indicator. 1,853,312; Apr. 12.

Heinemann, Julius A., Chicago, Ill. Jointed bracket. 1,857,847; May 10.

Heineman, Otto C., Milwaukee, Wis. Ticket holder and punch. 1,856,705; May 3.

Heinemeyer, Ludwig. (See Estorff, W., and Heinemeyer.)

Heines, Emil J., assignor to Allith-Prouty Company, Danville, Ill. Overhead door arrangement. 1,875,599; Sept. 6.

Heinen, Frederick C., Chicago, Ill. Door elevating means. 1,882,842; Oct. 18.

Heinen, Frederick C., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Car door construction. 1,866,977; July 26.

Heiney, John W., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Disk brake. 1,879,629; Apr. 26.

Heiney, John W., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Brake disk. 1,879,744; Sept. 27.

Heinicke, Ernst, New York, N. Y. Method and apparatus for treating hair. 1,877,662; Sept. 13.

Heinicke, Herbert M. E. (See Heinicke, P., and Heinicke.)

Heinicke, Herbert M. E., Elgin, Ill., assignor to Western Electric Company, Inc., New York, N. Y. Producing magnetic materials. 1,859,087; May 17.

Heinish, George, assignor to The Star Drilling Machine Company, Akron, Ohio. Transmission. 1,844,037; Feb. 9.

Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik, Aktiengesellschaft, Chemnitz, Germany. Row counter for flat knitting machines. 1,860,578; May 31.

Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,455; Nov. 29.

Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,456; Nov. 29.

Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,457; Nov. 29.

Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,458; Nov. 29.

Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,459; Nov. 29.

Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,460; Nov. 29.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,461; Nov. 29.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,462; Nov. 29.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,463; Nov. 29.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,542; Dec. 6.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,543; Dec. 6.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,544; Dec. 6.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,545; Dec. 6.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,546; Dec. 6.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,547; Dec. 6.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,648; Dec. 13.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,649; Dec. 13.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article. Des. 88,650; Dec. 13.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,651; Dec. 13.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,710; Dec. 20.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,711; Dec. 20.
Heinke, Alfred J., Towaco, N. J. Textile fabric or similar article of manufacture. Des. 88,783; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,784; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,785; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,786; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,787; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,788; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,789; Dec. 27.
Heinke, Alfred J., Towaco, N. J. Textile fabric or the like. Des. 88,790; Dec. 27.
Heinke, Frederick W., assignor to Fox Automotive Products Corporation, Philadelphia, Pa. Spare tire and wheel lock. 1,881,566; Oct. 11.
Heinkel, Ernst Stein, Wilhelm, assignor.)
Heinkel, Ernst, Warnemunde, Germany. Appliance for airplane launching tracks. 1,887,509; Nov. 15.
Heiser, Leo, Rock Island, Ill. Grease interceptor. 1,889,601; Nov. 29.
Heinle, Walter C., Willoughby, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Welded end truck. 1,876,927; Sept. 13.
Heinman Electric Company. (See Wilckens, Kurt, assignor.)
Heinrich, Arthur F., Rugby, England, assignor to General Electric Company, Power factor regulation of alternating current machines. 1,879,229; Sept. 27.
Heinrich, Richard, Berlin-Sudende, Germany, assignor to Westinghouse Electric & Manufacturing Company. Gas pressure regulation. 1,865,967; July 5.
Heinrich, Walter A., St. Louis, Mo. Expulsion cut-out. Des. 86,455; Mar. 8.
Heinrich, Walter A., St. Louis, Mo. Expulsion cut-out. 1,877,311; Sept. 13.
Heinrich, Walter A., St. Louis, Mo. Supporting device for electrical equipment. 1,877,312; Sept. 13.
Heins, Harold J., Jersey City, N. J., assignor to Knye-Scheerer Corporation, New York, N. Y. Sterilizer door. 1,858,013; May 10.
Heintz, Ernest E., and T. P. Archer, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Remote control lock. 1,870,565; Aug. 9.
Heintz, James C., Lakewood, Ohio. Repair vulcanizer. 1,839,877; Jan. 5.
Heintz, James C., Lakewood, Ohio. Apparatus for vulcanizing repairs on rubber tires. 1,844,505; Feb. 9.
Heintz, James C., Lakewood, Ohio. Adjustable cavity repair vulcanizer. 1,875,727; Sept. 6.
Heintz, James C., Lakewood, Ohio. Sectional tire repair vulcanizer. 1,877,175; Sept. 13.
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz & Kaufman, Ltd. (See Scofield, Philip F., assignor.)
Heintz, Leonard F., and A. J. Zamorski, North Prairie, Wis. Auto tilling device. 1,844,065; Feb. 9.
Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Glow lamp. 1,842,525; Jan. 26.
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Filament support. 1,861,794; June 7.
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Inductance coil. 1,876,670; Sept. 13.
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Carburetor. 1,891,474; Dec. 20.
Heintz, Ralph M., San Francisco, Calif., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Winding machine. 1,887,683; Nov. 15.
Heintz, William J., Utica, N. Y. Headrest. 1,844,576; Feb. 9.
Heintze & Blanckertz. (See Blanckertz, Rudolf, assignor.)
Heinz, Elmer A., Benld, Ill., assignor to The Multi-Color Sign Company, St. Louis, Mo. Display. 1,851,180; Mar. 29.
Heinz, Fred J., Fowler, assignor of one-half to J. E. Lunz, Belpre, Kans. Tractor guide. 1,839,965; Jan. 5.
Heinz, H. J., Company. (See Kuerschner, W., and Higerd, assignors.)
Heinze Electric Company. (See Ames, Butler, assignor.)
Heinze, Gus E. (See Boatwright, John T., assignor.)
Heinze, John O., Detroit, Mich. Turbine. 1,868,143; July 19.
Heinze, John O., Detroit, assignor of one-half to Arthur L. Cass, Marine City, Mich. Piston. 1,868,144; July 19.
Heinze, William A., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Display rack. Des. 86,217; Feb. 9.
Heinze, William A., and M. L. Liston, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Protector for folded articles. 1,873,682; Sept. 27.
Heinzelmann, Hans, Kusnacht, Switzerland. Four-stroke internal combustion engine. 1,890,813; Dec. 13.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry battery and making the same. 1,842,871; Jan. 26.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry cell. 1,855,831; Apr. 26.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Company, Inc. Primary battery. 1,856,386; May 3.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Co., Inc. Electric cell. 1,863,791; June 21.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Company, Inc. Primary cell and electrolyte therefor. 1,864,652; June 28.
Heise, George W., Bayside, and E. A. Schumacher, Brooklyn, N. Y., assignors to National Carbon Company, Inc. Dry cell of the flat type. 1,890,478; Dec. 6.
Heise, Roscoe S., Dayton, Ohio. Relief valve. 1,856,996; May 3.
Heise, William H., Los Angeles, Calif. Mop. 1,885,439; Nov. 1.
Heisenfeldt, John, Wauwatosa, and G. P. Meany, Milwaukee, Wis. Kite. 1,840,951; Jan. 12.
Heisenfeldt, John, Wauwatosa, and H. Walsh, Milwaukee, Wis. Lubricant tester. 1,866,105; July 5.
Heiser, Harold W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Production of barium aluminate. 1,871,056; Aug. 9.
Heiser, Henry C., assignor to The Astrup Company, Cleveland, Ohio. Awning arm construction. 1,856,161; May 3.
Heiser, Henry C., assignor to The Astrup Company, Cleveland, Ohio. Awning arm construction. 1,856,161; May 3.
Heiser, Henry D. (See Mutersbaugh, G. H., Zucker, Heiser, and Shope.)
Heisey, A. H., Company. (See Heisey, Thomas C., assignor.)
Heisey, Thomas C., assignor to A. H. Heisey Company, Newark, Ohio. Goblet or similar article of glassware. Des. 87,576; Aug. 16.
Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal-controlled oscillator. 1,840,580; Jan. 12.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Generation and modulation of electric waves. 1,848,126; Mar. 8.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,859,921; May 24.
Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission system. 1,884,675; Oct. 25.
Heising, Raymond A., Millburn, and J. P. Kendall, Cranford, N. J. Direction indicating system. 1,870,632; Aug. 9.
Heising, Raymond A., Millburn, N. J., and J. F. Farrington, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 1,847,089; Mar. 1.
Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Film gate for motion picture machines. 1,862,364; June 7.
Heisler, Clyde A., and T. Fletcher, assignors to The A. C. Williams Company, Ravenna, Ohio. Toy car. 1,877,661; Sept. 13.
Heisler Locomotive Works. (See Swabb, George L., assignor.)
Heisler, Mabel K., Orwigsburg, Pa. Food confection. 1,859,206; May 17.
Heist, Charles H., Youngstown, and B. M. Stubblefield, Poland, Ohio. Blast furnace back drafting. 1,879,230; Sept. 27.

Heitger, Frank H., Flint, Mich. Carburetor. 1,845,662; Feb. 16.
Heitger, Frank H., Flint, Mich. Carburetor. 1,857,245; May 10.
Heitger, Frank H., Flint, Mich. Carburetor. 1,857,543; May 10.
Heitger, Frank H., Flint, Mich. Carburetor. 1,863,715; June 21.
Heitger, Frank H., Flint, Mich. Carburetor. 1,868,831; July 26.
Heitger, Frank H., Flint, Mich. Carburetor. 1,881,558; Oct. 11.
Heitger, Frank H., Flint, Mich. Accelerator pump. 1,881,559; Oct. 11.
Heitger, Frank H., Flint, Mich. Carburetor. 1,881,560; Oct. 11.
Heitger, Frank H., Flint, Mich. Carburetor. 1,881,561; Oct. 11.
Heitger, Frank H., Flint, Mich. Automatic charge heating control for internal combustion engines. 1,881,562; Oct. 11.
Heitger, Frank H., assignor to Marvel Carburetor Company, Flint, Mich. Fuel feeding system for motor vehicles. 1,859,393; May 24.
Heitger, Frank H., assignor to The Marvel Carburetor Company, Flint, Mich. Pumping mechanism for fuel feeding systems for motor vehicles. 1,871,989; Aug. 16.
Heitman, Herbert T., Drexel Hill, Pa. Impedance relay. 1,845,269; Feb. 16.
Heitmeyer, Winifred C., Appleton, Wis., assignor, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Absorbent pad. 1,863,333; June 14.
Heitner, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,864,729; June 28.
Heitner, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,865,631; July 5.
Heitritter, Edward, Sioux City, Iowa. Mouth closing device. 1,870,566; Aug. 9.
Heitsiu, Daniel C., assignor to J. I. Case Company, Racine, Wis. Tractor cultivator. 1,850,717; Mar. 22.
Heitzman, Robert J. (See Horn, C. A., and Heitzman.)
Heitzmann, Raymond, Reading, Pa. Storage battery. 1,843,421; Feb. 2.
Hejcmann, Rudolf, Budapest, Hungary. Dental crown, coated on the front with enamel, made of noble metal or noble metal material and its production. 1,892,490; Dec. 27.
Hekler, Charles P., and P. Horacek, Philadelphia, Pa. Ear protector. 1,878,397; Sept. 20.
Helberg, Bruno, Wuppertal, Ill. Anchor for hangers. 1,887,455; Nov. 8.
Helberger, Bruno. (See Lertes, P., and Helberger.)
Helbert, John T., Broadway, Va. Trap. 1,840,581; Jan. 12.
Held, Ben, Wayzata, Minn. Container for flash lights and the like. 1,850,069; Mar. 15.
Held, Charles, New York, N. Y. Meat slicing machine. 1,874,747; Aug. 30.
Held, Robert. (See Luther, M., and Held.)
Held, Robert, Oppau, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of esters. 1,881,563; Oct. 11.
Held, Siegfried, Chicago, Ill. Mercury switch and the like. 1,847,189; Mar. 1.
Held, Siegfried, Chicago, Ill. Mercury switch and the like. 1,871,177; Aug. 9.
Helder, Horatio A., assignor to The Champion Fibre Company, Canton, N. C. Preparing refined bleached pulp. 1,890,179; Dec. 6.
Helenbolt, George S., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Fruit sizing machine. 1,868,356; July 19.
Hele-Shaw, Henry S., T. E. Beacham, Westminster, London, and E. S. Mills, Cambourne, assignors to Holman Brothers Limited, Camborne, England. Hoist. 1,875,600; Sept. 6.
Helfaer, Ernst, Hamburg, Germany, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Purification of R-Acid. 1,880,442; Oct. 4.
Helferich, Burckardt. (See Fredenhagen, K., and Helferich.)
Helfinstine, R. E. (See Paff, W. J., assignor.)
Helfrich, Frank, Milwaukee, Wis. Ticket container. 1,842,170; Jan. 19.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,848,061; Mar. 1.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Odometer. 1,848,062; Mar. 1.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Instrument drive. 1,872,288; Aug. 16.
Helget, Joe. (See Ingwersen, C. M., and Helget.)
Helin, Alfred F. (See Valentine, C. W., and Helin.)
Heline, David O., Lindsborg, Kans. Egg tray lifter. 1,848,717; Mar. 8.
Heliner, Pontus H., Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Metering and timing apparatus for telephone systems. 1,840,359; Jan. 12.
Helios Corporation. (See Forberg, Charles, assignor.)
Helios Corporation. (See Gilmore, David R., assignor.)
Héliot, Maurice, Troyes, France. Apparatus for tailoring garments. 1,860,579; May 31.
Helium Company, The. (See Bottoms, Robert R., assignor.)
Helland, Martin. (See Adams, Ernest A., assignor.)
Helland, Martin, Seattle, Wash. Cup-cake dropping machine. 1,875,601: Sept. 6.
Heller, Alexander G., Howard Beach, assignor to Insuline Corp. of America, New York, N. Y. Fuse plug. 1,850,672; Mar. 22.
Heller, Alfred. (See Askenasy, P., and Heller.)
Heller, Alfred, Mahlow, near Potsdam, assignor to Weigelwerk Aktiengesellschaft, Neisse-Neuland, Germany. Steam heated boiling vessel. 1,874,996; Aug. 30.
Heller & Brightly, Inc. (See Kegelman, George, assignor.)
Heller-Deltah Company. (See Cartoun, Meyer P., assignor.)
Heller, Edgar W., Newark, N. J. Liquid heating device. 1,871,688; Aug. 16.
Heller, Edward, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Metal building framing element construction. 1,883,910; Oct. 25.
Heller, Edwin H., Sikeston, Mo. Shoe construction. 1,854,050; Apr. 12.
Heller, Edwin H., Sikeston, Mo. Shoe ventilating device. 1,870,114; Aug. 2.
Heller, George W., Camden, N. J. Wall mold. 1,849,758; Mar. 15.
Heller, Herbert J. (See Steindorff, U. F. L., Heller, and Ungar.)
Heller, John A., Carthage, Mo. Coin control mechanism for vending machines. 1,876,671; Sept. 13.
Heller, Lewis W., Oak Harbor, Ohio, assignor to Fuller Lehigh Company, Fullerton, Pa. Boiler with water wall tubes. 1,882,422; Oct. 11.
Hellerman, August, assignor to the firm Gesellschaft für wirtschaftlichen Bahnbetrieb m. b. H., Freiburg, Germany. Railway rail joint. 1,847,341; Mar. 1.
Hellerman, Isaac, New York, N. Y. Bookmark. 1,847,184; Mar. 1.
Hellige, Paul A. E., Jackson Heights, N. Y. Colorimeter. 1,870,624; Aug. 9.
Helling, Harry A., Tarrytown, N. Y. Method of and apparatus for forming new tops on underground valve boxes. 1,582,928; Apr. 5.
Helling, John W., Beachmont, Revere, assignor to Carpenter & Paterson Inc., East Boston, Mass. Roof joint. 1,844,870; Feb. 9.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,408; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,409; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,410; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,411; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,412; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,413; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,414; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,415; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,416; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,417; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,418; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,419; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,464; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,465; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,466; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,467; Nov. 29.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,548; Dec. 6.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,549; Dec. 6.
Hellman, Carl R., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,550; Dec. 6.

Hellman, Carl R., assignor to William Wilbeim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,551; Dec. 6.
Hellman, Carl R., assignor to William Wilbeim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,552; Dec. 6.
Hellman, Carl R., assignor to William Wilbeim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,652; Dec. 13.
Hellman, Carl R., assignor to William Wilbeim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,791; Dec. 27.
Hellman, Ernest R., Detroit, Mich. Making piston rings. 1,856,279; May 3.
Heilmann, Carl A., Washington, D. C. Variable condenser. 1,845,270; Feb. 16.
Hellmann, Otto, Bochum, Germany. Oven for treatment of coal by heat. 1,854,161; Apr. 12.
Heilmer, Ralph E., assignor to Schutte and Koerting Company, Philadelphia, Pa. Barometric condenser. 1,849,789; Mar. 15.
Heilmer, Ralph E., assignor to Schutte & Koerting Company, Philadelphia, Pa. Barometric condenser. 1,878,582; Sept. 20.
Heilmuth, Albert. (See Herschede, W. J., Eberhardt, and Heilmuth.)
Heilthaler, Theodor, Granschutz, and E. Peter, Webau, assignors to Firm A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle, Germany. Separating the hydroxyacids from the oxidation products of hydrocarbons. 1,885,199; Nov. 1.
Hellwig, Emil C., Aurora, assignor to The Pyle-National Company, Chicago, Ill. Recess receptacle and plug connecter. 1,870,625; Aug. 9.
Helm, Charles W., and E. Selberg, Winslow, Ariz. Rotary engine. 1,840,625; Jan. 12.
Helma, Paul. (See Arnstein, K., and Helma.)
Helma, Paul. (See Arnstein, K., Helma, and Watson.)
Heimboltz, William W., Harrisburg, and D. Ferrell, Marion, Ill. Separation device for pipe lines. 1,872,586; Aug. 16.
Helmholtz, Arthur W., and D. Ferrell, Harrisburg, Ill. Blasting apparatus. 1,881,564; Oct. 11.
Helmkamp, Richard F., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Multiple cutting torch apparatus. 1,869,848; Aug. 2.
Helmkamp, Walter F., East Moline, assignor to Deere & Company, Moline, Ill. Harvester. 1,877,313; Sept. 13.
Helmquist, William F., West Hartford, Conn. Typewriter. Des. 86,717; Apr. 12.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,857,151; May 10.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,858,447; May 17.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,861,009; May 31.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,862,015; June 7.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,864,540; June 28.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,865,632; July 5.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,877,227; Sept. 6.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,876,228; Sept. 6.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,877,257; Sept. 27.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,888,495; Nov. 15.
Helmore, William, Farnborough, England, assignor to Imperial Chemical Industries Limited. Fuel oil for compression ignition engines. 1,840,000; Jan. 5.
Helmore, William, and A. Swan, South Farnborough, England. Device for use in association with gases or gas-liquid mixtures, as a flame-trap, explosion trap, a mixer, a flow controller, a silencer, or a cooler. 1,887,305; Nov. 8.
Helms, Harry W., Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis. Collapsible cover for dump body vehicles. 1,856,280; May 3.
Helms, Harry W., Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis. Cover for dump body vehicles. 1,856,281; May 3.
Helms, Harry W., Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis. Automatic coupling mechanism for semitrailers. 1,862,115; June 7.
Helsel, Reuben H., Long Island City, assignor to General Register Corporation, Brooklyn, N. Y. Check punching and issuing machine. 1,869,849; Aug. 2.
Helsel, Reuben H., Long Island City, assignor, by mesne assignments, to General Register Corporation, Brooklyn, N. Y. Check punching and issuing machine. 1,876,672; Sept. 13.
Helsel, Reuben H., Long Island City, and H. L. Pierson, Brooklyn, N. Y., assignors to General Register Corporation, Brooklyn, N. Y. Operating mechanism for punches and similar devices. 1,865,755; July 5.
Helsingborgs Gummifabriks Aktiebolag. (See Bohlin, Olof G., assignor.)
Helstrom, Olaf. (See Bufmyer, E. D., and Helstrom.)
Heltzel, John N., Warren, Ohio. Concrete road building structure. 1,863,115; June 14.
Heltzel, John N., Warren, Ohio. Joint member and reenforcing rod support. 1,863,446; June 21.
Heltzel, John N., Warren, Ohio. Road building apparatus. 1,876,673; Sept. 13.
Heltzel Steel Form and Iron Company, The. (See McBride, Robert K., assignor.)
Hem, Halvor O. (See Beard, J. H., and Hem.)
Hem, Halvor O. (See Marshall, C. O., and Hem.)
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,843,150; Feb. 2.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Link. 1,847,874; Mar. 1.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Combined weighing and counting scale. 1,851,542; Mar. 29.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,857,278; May 10.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Counting scale. 1,869,643; Oct. 4.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Coin operated scale. 1,880,444; Oct. 4.
Hem, Halvor W., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,880,445; Oct. 4.
Hem, Halvor W., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing machine. 1,880,446; Oct. 4.
Hembree, Samuel S., assignor to American Iron Machine Works Company, Oklahoma City, Okla. Drill pipe racking apparatus. 1,868,947; July 26.
Hemeon, Wesley C. L., assignor to Rockland & Rockport Lime Corporation, Rockland, Me. Producing lime product. 1,856,763; May 3.
Hemingray Glass Company. (See Bilby, Ernest E., assignor.)
Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 1,877,757; Sept. 20.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 86,602; Mar. 29.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 87,061; May 31.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 87,782; Sept. 20.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Embroidering. 1,856,556; May 3.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Full fashioned stocking. 1,882,591; Oct. 11.
Hemmerly, Earl S., Allentown, Pa. Rotating fan. 1,882,663; Oct. 11.
Hemmingsen, Torkild V., Copenhagen, Denmark. Cooling device for injection nozzles of internal combustion engines. 1,875,457; Sept. 6.
Hemp, Omri G., Staunton, Va. Vegetable grater. 1,887,714; Nov. 15.
Hemp, Paul L., Winona, Minn. Massaging device. 1,856,941; Nov. 8.
Hempel, Richard W., North Tonawanda, N. Y. Holder for garden hose nozzles. 1,855,630; Apr. 26.
Hempel, William, North Tonawanda, N. Y. Side dressing circular saws. 1,861,531; June 7.
Hemphill Company. (See Gagné, Augustin, assignor.)
Hemphill Company. (See Lawson, J. and R. H., assignors.)
Hemphill Company. (See Lawson, Robert H., assignor.)
Hemphill Company. (See Lawson, R. H., and Cloutier.)
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hemphill Company. (See Lawson R. H., and Gagné, assignors.)
Hemphill Company. (See Lawson, R. H., and Smith, assignors.)
Hemphill Company. (See Stibbe, Godfrey, assignor.)
Hemscheidt, Helmut, assignor to the Firm of Carl Zeiss, Jena, Germany. Device for fine focussing of microscope tubes. 1,887,095; Nov. 8.
Henal Company. (See Strickler, A., Comer, and Zifferblatt, assignors.)
Henares, Hilarion G., Isabela, P. I. Bag making machine. 1,880,949; Nov. 22.
Hendee, Lem E., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Wire support. 1,858,045; May 10.
Hendee, Lem E., assignor to Line Material Company, South Milwaukee, Wis. Insulated joint structure. 1,864,351; June 21.
Henderson, Albert, assignor to General Cement Products Company, Pittsburgh, Pa. Floor structure and slab therefor. 1,891,763; Dec. 20.

Henderson, Albert, assignor, by mesne assignments, to Cement Products Research Corporation, Pittsburgh, Pa. Method and apparatus for making cementitious articles. 1,891,764: Dec. 20.

Henderson-Ames Company, The. (See Bickerstaff, Samuel N., assignor.)

Henderson, Benjamin B. (See Taylor, R. B., Henderson, and Wilson.)

Henderson, Bruce W., Farnworth, Widnes, and J. G. Percival, Widnes, assignors to Imperial Chemical Industries Limited, London, England. Manufacture and production of benzoyl chloride. 1,851,832; Mar. 29.

Henderson, Carl, Oak Park, Ill. Printing press. 1,870,117; Aug. 2.

Henderson, Charles B., Toronto, Ontario, Canada. Tent. 1,852,239; Apr. 5.

Henderson, Grant C., Burlingame, Calif. Apparatus for controlling gas flow. 1,859,442; May 24.

Henderson, Lloyd S. (See Holt, T. W., and Henderson.)

Henderson, Don A. (See Marsh, John D., assignor.)

Henderson, E. W., and H. J. Fisher, assignors to The Reliance Electric & Engineering Company, Cleveland, Ohio. Roll conveyor system. 1,873,940; Aug. 23.

Henderson, Edward E., assignor to Nips Patent Corporation, New York, N. Y. Apparatus for producing liquid packages. 1,862,821; June 14.

Henderson, Elias H., Chicago, Ill. Electrical typewriting machine. 1,889,315; Nov. 29.

Henderson, Forrest L., Scotch Beach, Conn., assignor to International Communications Laboratories, Inc. Printing telegraph system. 1,855,185; Apr. 26.

Henderson, George and W. M., Catrine, Scotland. Apparatus for laying tile drains. 1,879,653; Sept. 27.

Henderson, George N., Philadelphia, Pa. Hair cutting machine. 1,869,101; July 26.

Henderson, Herbert, Fort Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Safety blow off device. 1,859,670; May 24.

Henderson, Herbert V., Detroit, Mich. Radiator cap. Des. 86,370; Mar. 1.

Henderson, Herbert V., Detroit, Mich. Radiator cap. Des. 86,371; Mar. 1.

Henderson, Herbert V., Detroit, Mich. Radiator cap. Des. 87,468; Aug. 2.

Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Sun visor. Des. 85,981; Jan. 12.

Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile shell. Des. 86,960; May 17.

Henderson, James B., Lee, England. Gyroscopic compass. 1,850,982; Mar. 22.

Henderson, James, Leeds, England. Gyroscopic instrument and apparatus. 1,866,706; July 12.

Henderson, John, Cadillac, Mich. Brooder stove. 1,857,544; May 10.

Henderson, John C., Elizabeth, N. J., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,872,587; Aug. 16.

Henderson, Kenneth M., assignor to Ditto, Incorporated, Chicago, Ill. Mounting and package for rolls. 1,850,718; Mar. 22.

Henderson, Lawrence M., Narberth, and S. W. Ferris, Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Motor fuel and its production. 1,868,102; July 19.

Henderson, Myles, et al. (See Pitcher, Elmer, assignor.)

Henderson, Nelson H., Syracuse, N. Y. Mixing faucet. 1,863,417; June 14.

Henderson, Nelson H., assignor of one-half to A. C. Parker, Clarkedale, Ark. Mowing machine blade grinder. 1,868,689; July 26.

Henderson, Olive G., Cleveland, Ohio. Desk structure. 1,851,906; Mar. 29.

Henderson, Ray M., Giddings, Tex. Display counter. 1,851,392; Mar. 31.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner plate for a burial casket. Des. 88,290; Nov. 15.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner plate for a burial casket. Des. 88,291; Nov. 15.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner plate for a burial casket. Des. 88,292; Nov. 15.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Burial casket. Des. 88,293; Nov. 15.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Handle plate for a burial casket. Des. 88,294; Nov. 15.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Handle plate for a burial casket. Des. 88,295; Nov. 15.

Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Handle plate for a burial casket. Des. 88,296; Nov. 15.

Henderson, Wallace M. (See Henderson, George and W. M.)

Henderson, Wilbert D., San Francisco, Calif. Wall construction. 1,841,810; Jan. 19.

Henderson, Wiley L. (See Goodling, H. P., and Henderson.)

Henderson, William, Alnwick, N. Y. Came and protected stay bar. 1,858,775; May 17.

Henderson, William A., Nunhead, London, England. Reproducing sound from records tracked by a stylus. 1,887,021; Nov. 8.

Henderson, William F., assignor to The Visking Corporation, Chicago, Ill. Dehydrated cellulose bung, tube, etc. 1,804,294; June 21.

Henderson, William F., assignor to The Visking Corporation, Chicago, Ill. Imitation sausages for display. 1,804,245; June 21.

Henderson, William F., and H. E. Dietrich, assignors to The Visking Corporation, Chicago, Ill. Sausage casing and preparing the same. 1,868,203; July 19.

Henderson, William T., Washington, D. C. Typograph composing stick. 1,854,695; Apr. 19.

Henderson, Yandell, New Haven, and H. W. Haggard, Woodbridge, Conn. Tent-head fixture for inhalational therapy. 1,857,453; May 10.

Hendey, Fred, and J. P. Millwood, assignors to The Okonite Company, Passaic, N. J. Electric conductor. 1,861,182; May 31.

Hendey Machine Company, The. (See Llewellyn, Ernest L., assignor.)

Hendler, L. Manuel. (See Cover, Harry C., assignor.)

Hendrick Manufacturing Company. (See Ramsay, Allan, assignor.)

Hendrick, Victor P., Manhattan Beach, Calif. Fishing spoon. 1,885,440; Nov. 1.

Hendricks, Kearney, Pittsburgh, Pa. Knockdown tank. 1,877,507; Sept. 13.

Hendrickson, Benjamin S., Asbury Park, N. J. Hair waving device. 1,849,106; Feb. 24.

Hendrickson, Hugh H., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain roller. 1,882,592; Oct. 11.

Hendrickson, Ira E., Tulsa, Okla., assignor to Wico Electric Company, Springfield, Mass. Impulse coupling. 1,862,346; June 14.

Hendrickson, James M., McKeesport, Pa. Aeroplane flight control. 1,866,596; July 12.

Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,867,752; Jan. 26.

Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,887,351; Nov. 8.

Hendrickson, Victor, assignor to The Orford Soap Company, Inc., Manchester, Conn. Machine for forming composite can bodies. 1,863,770; June 21.

Hendrie, William E., Greenlawn, N. Y. Educational device. 1,884,676; Oct. 25.

Hendry, William F., Ossining, N. Y., assignor, by mesne assignments, to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. Electrode structure for electrical discharge tubes. 1,845,837; Feb. 16.

Hendry, William F., Ossining, N. Y., assignor, by mesne assignments, to Manhattan Electrical Supply Company Inc., Jersey City, N. J. Electrical discharge device. 1,850,385; Mar. 22.

Hendry, William F., Ossining, N. Y., assignor, by mesne assignments, to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. Electric discharge device. 1,858,737; May 17.

Hendryx, Dwight B. (See Hanley, W. L., jr., Hendryx, and Holbrook.)

Henes, Alfred A., et al., trustees. (See Henes, John E., assignor.)

Henes, John E., Menominee, assignor to A. A. Henes and J. E. Henes, trustees, doing business as Henes & Keller Company, Menominee, Mich. Bottle filling machine. 1,843,363; Feb. 2.

Henes & Keller Company. (See Henes, John E., assignor.)

Henesey, Fred. (See Davidson, A., Hallwood, Henesey, and Shepherdson.)

Hengesbach, Leo J., Cleveland Heights, assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Faucet. 1,848,172; Mar. 8.

Henglein, Friedrich A., and F. W. Stauf, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of metallic salt solutions. 1,839,220; Jan. 5.

Henglein, Friedrich August, and F. W. Stauf, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing alkalihypochlorite solutions. 1,887,666; July 19.

Hengst, Walter, Chemnitz, Germany. Control button for thread bobbins. 1,865,908; July 5.

Hengsteberg, Paul M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Copper oxide rectifier. 1,872,947; Aug. 23.

Henig, Henry, Brooklyn, N. Y. Automatic spout for fluid containers. 1,863,272; June 14.

Henig, Henry, Brooklyn, N. Y. Automatic spout. 1,874,068; Aug. 30.

Henion, Walter R., assignor to Boe Manufacturing Company, Minneapolis, Minn. Oil fountain faucet. 1,858,590; May 17.

Henke, Clyde O. (See Gubelmann, I., and Henke.)

Henke, Clyde O. (See Gubelmann, I., Henke, and Lee.)

Henke, Clyde O., South Milwaukee, Wis., assignor, by mesne assignments, to Newport Industries, Inc. New rosin decomposition product and preparing the same. 1,853,353; Apr. 12.

Henke, Clyde O., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Wetting and penetrating agent and preparing the same. 1,870,251; Aug. 9.

Henke, Clyde O., and G. Etzel, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Industries, Inc. Preparing retene. 1,881,563; Oct. 11.

Henke, Clyde O., and H. J. Weiland, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Alkylene sulphonic acid and preparing the same. 1,853,352; Apr. 12.

Henke, Frederick W., jr., assignor to Fox Automotive Products Corporation, Philadelphia, Pa. Lock for spare wheels and tires. 1,845,916; Feb. 16.

Henke, Frederick W., jr., assignor to Fox Automotive Products Corporation, Philadelphia, Pa. Spare wheel and tire lock. 1,881,567; Oct. 11.

Henke, Harry, Millburn, N. J. Rating board. 1,860,856; May 31.

Henkel, Adolph A., Highland Park, Ill., assignor, by mesne assignments, to Henkel Edge-Lite Corporation. Lighting fixture. 1,839,505; Jan. 5.

Henkel, August, Keene, N. H. Tweezers. 1,889,475; Nov. 29.

Henkel & Cie. Gesellschaft mit beschrankter Haftung. (See Hanke, Julius W., assignor.)

Henkel & Cie., Gesellschaft mit beschrankter Haftung. (See Hippler, E. H., and Hanke, Julius W., assignors.)

Henkel Edge-Lite Corporation. (See Henkel, Adolph A., assignor.)

Henkel, Hugo, Wuppertal-Elberfeld, Germany. Device for the manufacture of separable fasteners. 1,889,803; Dec. 6.

Henker, Max A., Lugau, Germany. Floating support. 1,879,745; Sept. 27.

Henle, Edward J., et al. (See Williams, Warren K., assignor.)

Henle, Franz, and V. Lanz, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing 2.3-aminonaphthoic acid. 1,871,990; Aug. 16.

Henley's, W. T., Telegraph Works Company Limited. (See Judge, E. H., and Fry, assignors.)

Henne, Adolf H., and I. M. Clark, assignors to E. T. Esty and J. A. Crotty, Worcester, Mass. Striping machine. 1,850,393; Mar. 22.

Hennebique, Thomas C. (See Edwards, P. G., and Hennebergen.)

Hennebohle, Frank, Chicago, Ill. Balanced quick operating valve. 1,861,916; June 7.

Hennecke, Joseph W., Los Angeles, Calif. Lathing hammer. 1,869,850; Aug. 2.

Hennecke Maschinenfabrik C. Reuther & Reisert mit beschrankter Haftung. (See Decker, Carl, assignor.)

Hennefer Maschinenfabrik C. Reuther & Reisert mit beschrankter Haftung. (See Kader, Wilhelm, assignor.)

Hennefer Maschinenfabrik C. Reuther & Reisert mit beschrankter Haftung. (See Reuther, Johann W., assignor.)

Hennegan Company, The. (See Crane, Stanley A., assignor.)

Hennell, Charles, Inglewood, Calif. Cushion filling machine. 1,873,586; Aug. 23.

Hennesy, Gerald C., Washington, D. C. Airplane. 1,854,521; Apr. 19.

Hennesy, Gerald C., Washington, D. C. Electric machine. 1,887,055; Nov. 8.

Hennessy, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck. 1,850,266; Mar. 22.

Hennessy, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Pedal actuated elevating truck. 1,867,825; July 19.

Hennessy, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Pedal actuated elevating truck. 1,867,826; July 19.

Hennessy, James J., New York, N. Y. Journal lubricator. 1,888,940; Nov. 15.

Hennessy, Nicholas, Bristol, Pa., assignor to The International S. S. Corporation. Preheated secondary oxygen regulator. 1,884,677; Oct. 25.

Henneuse, Clarence A., Bucyrus, Ohio. Traction apparatus. 1,872,450; Aug. 16.

Henneuse, Richard F., Bucyrus, Ohio. Thermostatic temperature regulator. 1,845,499; Feb. 16.

Henney, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,862,854; June 14.

Henney, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,867,261; July 12.

Henney, Charles F., assignor to Frisidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,881,568; Oct. 11.

Henney Motor Company. (See Van Deest, Henry, assignor.)

Henney Motor Company. (See Wintercorn, Andrew F., assignor.)

Hennicke, Carl R., Cleveland, Ohio. Hood fastener. 1,885,824; Nov. 1.

Hennig, Bruno, et al. (See Ruppert, A., Fisher, Voigt, and Hennig.)

Henning, Frederick W. (See Waglie, Carl, assignor.)

Henning, Leslie G., Lakewood, and J. Rein, assignors to The H & K Sales Company, Cleveland, Ohio. Fixture for holding bird food. 1,886,015; Nov. 1.

Henning, Malcolm E, assignor to Penn Electric Switch Co., Des Moines, Iowa. Reset mechanism for thermal cut-out switches. Reis,409; Apr. 5.

Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Reset mechanism for thermal cutout switches. 1,841,477; Jan. 19.

Henning, Malcolm E., assignor to Penn Electric Switch Company, Des Moines, Iowa. Reversible temperature control. 1,843,601; Feb. 2.

Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Mechanical linkage for control devices. 1,867,827; July 19.

Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Temporary control device for switch mechanism. 1,881,536; Dec. 20.

Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Automatic control switch. 1,891,557; Dec. 20.

Henninger, Arthur H., Flushing, assignor to General Chemical Company, New York, N. Y. Determining sulphur dioxide, hydrogen sulphide or both in gas mixtures. 1,840,952; Jan. 12.

Henninger, Ludwig, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff, Durlach, Germany. Machine for the manufacture of match boxes. 1,877,239; Sept. 13.

Hennings, Charles H., Chicago, Ill., assignor to Hennings Manufacturing Co. 1,836,215; Dec. 15.

Hennings Manufacturing Co. (See Hennings, Charles H., assignor.)

Hennings, Oscar, Montclair, N. J. Filter. 1,882,078; Oct. 11.

Hennigs, Raymond A., New Orleans, La. Game table. 1,867,391; July 19.

Henningsen, Earle S., Scotia, N. Y., assignor to General Electric Company. Dynamo-electric machine. 1,883,912; Oct. 25.

Henrard, Fernand, Brussels, assignor to Ecremeuses Melotte Societe Anonyme, Remicourt, Belgium. Milking machine. 1,871,520; Aug. 16.

Henrichs, Martha M. (See Olson, Anton, assignor.)

Henrichsen, Knut, Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aircraft tail chassis. 1,855,026; Apr. 19.

Henrichsen, Knut, Garden City, N. Y., assignor to Curtiss-Wright Airplane Company. Curved control stick. 1,874,522; Aug. 30.

Henrichsen, Knut, Garden City, and G. A. Page, jr., Freeport, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Aircraft cowling for tandem motors. 1,874,523; Aug. 30.

Henrietta, George H., Torrington, Conn. Liquid dispensing system. 1,861,393; May 31.

Henrion, Arthur, assignor of one-half to Frank B. Perry, Providence, R. I. Tip for furniture legs. 1,891,643; Dec. 20.

Henrioud, Charles E., Areuse, Switzerland. Power transmission mechanism. 1,892,616; Dec. 27.

Henrite Products Corporation. (See Henry, Albert C., assignor.)

Henroteau, François C. P., Ottawa, Ontario, Canada. Photoelectric musical instrument. 1,850,267; Mar. 22.

Henry, Albert C., assignor to Henrite Products Corporation, Inc., Ironton, Ohio. Commutator brush with lifting member. 1,872,948; Aug. 23.

Henry, Alfred W., St. Louis, Mo. Automotive vehicle frame. 1,843,422; Feb. 2.

Henry and Allen. (See Bowen, Kenneth H., assignor.)

Henry, Beulah L., New York, N. Y. Duplicating attachment for typewriters. 1,874,740; Aug. 30.

Henry, Beulah L., assignor of one-half to E. A. Guinzburg, New York, N. Y. Duplicating device for typewriting machines. 1,889,657; Nov. 29.

Henry, Charles P., assignor to J. Henry, Providence, R. I. Tie back for curtains. 1,865,756; July 5.

Henry, Ferdinand G., Moline, Ill. Conveyer belt support. 1,879,232; Sept. 27.

Henry, Ferdinand G., Philadelphia, Pa., assignor to E. D. Anderson, Inc., New York, N. Y. Article feeding mechanism. 1,839,920; Jan. 5.

Henry, Ferdinand G., Philadelphia, Pa., assignor, by mesne assignments, to The Sweets Company of America, Inc., New York, N. Y. Candy treating machine. 1,840,095; Jan. 5.

Henry, Ferdinand G., Philadelphia, Pa., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., Cartoning machine. 1,861,567; June 7.

Henry, Francis M., Norfolk, Va. (and Henry.)

Henry, Frederick, assignor to The Studebaker Corporation, South Bend, Ind. Glass binding tool. 1,875,728; Sept. 6.

Henry, George F., Corona, N. Y. Mechanical ventilating system for motor vehicles. 1,842,171; Jan. 19.

Henry, George W., jr., assignor to Soabar Company, Philadelphia, Pa. Machine for applying tickets to merchandise. 1,879,233; Sept. 27.

Henry, Gerald J., Boston, Mass., assignor to Pass & Seymour, Inc., Solvay, N. Y. Locking socket. 1,856,214; May 3.

Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Method and apparatus for treatment of hydrocarbons. 1,881,406; Oct. 4.

Henry, James A., and J. H. Yancey, Sturgis, Mich. Register. 1,865,518; July 5.

Henry, James N. (See Henry, Charles P., assignor.)

Henry, John J., Mason, Ill. Flying machine. 1,839,556; Jan. 5.

Henry, John J., Mason, Ill. Spring trap. 1,844,220; Feb. 9.

Henry, John J., Mason, assignor of one-half to H. H. O'Connell, Effingham, Ill. Automatic shotgun. 1,852,411; Apr. 5.

Henry, John J., Mason, assignor of one-half to H. H. O'Connell, Effingham, Ill. Pump gun. 1,853,862; Apr. 12.

Henry, Paul J., Long Island City, N. Y. Airfoil. 1,878,775; Sept. 20.

Henry, Raymond, Rodange, Luxemburg, assignor to Société Anonyme Ougrée Marihaye, Ougree, near Liege, Belgium. Machine for smoothing and re-smoothing ingot molds and other hollow articles. 1,847,005; Feb. 23.

Henry, René A., Brussels, Belgium. Process and device for the preparation of sols and their use for concentrating materials suspended in liquid to be clarified. 1,862,265; June 7.

Henry, Roy P., Battle Creek, Mich. Screw driver. 1,858,001; May 10.

Henry, Walton, Bloomfield, Belfast, Northern Ireland. Machine for molding butter and the like. 1,882,143; Oct. 11.

Henschen, Minnie, West New York, N. J. Means for bathing patients. 1,892,274; Dec. 27.

Hense, Heinrich, London, England. Offset printing press. 1,878,802; Sept. 20.

Hensey, Charles W., United States Army. Artillery fire direction instrument. 1,843,978; Feb. 9.

Henshall, Percival P. (See Ewald, W., and Henshall.)

Henshall, Percival P., Philadelphia, Pa. By-pass casing. 1,845,498; Feb. 16.

Henshall, Percival P., assignor to John J. Nesbitt Inc., Philadelphia, Pa. Valve controlled radiator. 1,851,765; Mar. 29.

Henshall, Percival P., assignor to The Buckeye Blower Company, Columbus, Ohio. Cross flow radiator. 1,889,955; Dec. 6.

Henshall, Percival P., and W. Ewald, Philadelphia, assignors to John J. Nesbitt, Inc., Holmesburg, Philadelphia, Pa. Expanded tube radiator. 1,874,009; Aug. 30.

Henshaw, Daniel M. (See Cooper, C., and Henshaw.)

Henshaw, Daniel M. (See Watson, S. G., and Henshaw.)

Henten, Materna H. van, and E. Kiser, West Allis, Wis. Aircraft. 1,868,832; July 26.

Hentrich, Winfrid. (See Haller, J., Glietenberg, and Hentrich.)

Hentrich, Winfrid. (See Ossenbeck, A., Hentrich, and Tietze.)

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Process of preparing 2 : 4-di-nitrophenyl-6-hydroxytriazine-1 : 3 : 5. 1,841,449; Jan. 19.

Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, and A. Ossenbeck, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing diazonium fluoro-sulphonates. 1,847,513; Mar. 1.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, J. Hilger, Cologne-Mulheim, and R. Stroebel, Opladen, Germany, assignors to General Aniline Works Inc., New York, N. Y. Preparing azodyestuffs. 1,850,547; Mar. 22.

Hentrich, Winfrid, M. Hardtmann, Wiesdorf-on-the-Rhine, R. Knoche, Leverkusen-on-the-Rhine, and R. Stusser, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,851,097; Mar. 29.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, A. Ossenbeck, Cologne-Mulheim, and H. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Composition of matter suitable for dyeing. 1,851,511; Mar. 29.

Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, J. Hilger, Cologne-Mulheim, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing of viscose. 1,853,418; Apr. 12.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, J. Hilger, Cologne-Mulheim, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Uniform dyeing of viscose. 1,855,963; Apr. 26.

Hentrich, Winfrid, Erlangen, K. Burr, and H. Schweitzer, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New monoazodyestuffs. 1,857,244; May 10.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, E. Tietze, Cologne-on-the-Rhine, A. Ossenbeck, Cologne-Mulheim, and P. Backes, Cologne-on-the-Rhine, assignors to General Aniline Works Inc., New York, N. Y. Diazo-amino compounds. 1,858,623; May 17.

Hentrich, Winfrid, Leverkusen-on-the-Rhine, and J. Hilger, Koln-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs containing copper. 1,861,917; June 7.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Poly-azo dyestuffs. 1,866,792; June 21.

Hentrich, Winfrid, Leverkusen-Wiesdorf, E. Tietze, Cologne-Rhine, A. Ossenbeck, Cologne-Mulheim, and P. Backes, Glashuchelheydt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New diazo-amino compounds. 1,871,850; Aug. 16.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,871,851; Aug. 16.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, E. Tietze, Cologne-on-the-Rhine, and A. Ossenbeck, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diazo-amino compounds. 1,874,524; Aug. 30.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and Rudolf Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazodyestuffs. 1,878,700; Sept. 20.

Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and C. Taube, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing azo dyestuffs. 1,882,556; Oct. 11.

Hentrich, Winfrid, and M. Hardtmann, Weisdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Nitro-halogenquinazoline and producing same. 1,880,447; Oct. 4.

Hentrich, Winfrid, and L. Zeh, Wiesdorf, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Complex inner organo-iron compounds and preparing the same. 1,878,137; Sept. 20.

Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pigment dyestuffs. 1,878,698; Sept. 20.

Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, J. Hilger, Cologne-Mulheim, and W. Zerweck, Frankfort-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of 1-halogen-aryl-thiazoles. 1,878,699; Sept. 20.

Hentschel, Erich, Leipzig, Germany. Transfer picture and its manufacture. 1,882,593; Oct. 11.

Hentschel, Ernest R., deceased, Washington, D. C.: J. Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Electron discharge device circuit arrangement. 1,877,128; Sept. 13.

Hentschel, Ernest R., late of Springfield, Mo., by J. Olson, Springfield, Mo., administrator, assignor to Wired Radio, Inc., New York, N. Y. Electron discharge device circuit arrangement. 1,877,129; Sept. 13.

Hentschel, Ernest R., deceased, Washington, D. C., by John Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal apparatus. 1,884,678; Oct. 25.

Hentschel, Ernest R., deceased, Washington, D. C., by John Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. High frequency oscillatory system. 1,884,679; Oct. 25.

Hentschel, Ernest R., deceased, Washington, D. C., by John Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Automatic volume control system. 1,884,680; Oct. 25.

Hentschel, Ernest R., deceased, Washington, D. C., by John Olson, administrator, assignor to Wired Radio Inc., New York, N. Y. Volume control system. 1,884,681; Oct. 25.

Hentschel, Paul A., Baltimore, Md. Deflector for gas stoves and the like. 1,855,050; Apr. 19.

Hentschel, Paul A., assignor to Ventilector Company, Incorporated, Baltimore, Md. Deflector for gas stoves. 1,877,240; Sept. 13.

Henward, De Banks M., jr. (See Hedgion, Mead, assignor.)

Henz, Henry. (See Dovell, H. H., McConnell, and Henz.)

Hepburn, Donald M., Philadelphia, S. S. Sadtler, Springfield Township, Montgomery County, and E. F. Cayo, Philadelphia, Pa., assignors to Amiesite Asphalt Company of America, Philadelphia, Pa. Binding material for the mineral aggregates of pavements and method of using the same. 1,846,107; Feb. 23.

Hepburn, Donald M., assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Road construction. 1,885,200; Nov. 1.

Hepburn, William M., assignor to Surface Combustion Corporation, Toledo, Ohio. Method of and apparatus for heating ingots. 1,867,221; July 12.

Hepburn, William M., assignor to Surface Combustion Corporation, Toledo, Ohio. Conveying mechanism for furnaces. 1,883,788; Oct. 18.

Heppenstall Company. (See Heppenstall, Max R., assignor.)

Heppenstall, Max R., Pittsburgh, assignor to Heppenstall Company, Pittsburgh, Pa. Lifting tongs. 1,839,389; Jan. 5.

Hepperle, Heinrich, Mulheim, Ruhr, Germany. Molding machine. 1,858,956; May 17.

Heppes, George P., Chicago, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing. 1,873,886; Aug. 23.
Heppes, Otto A., La Grange, assignor to The Tile Tex Company, Chicago Heights, Ill. Floor and wall covering. 1,854,512; Apr. 19.
Heppes, Otto A., La Grange, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Composite board. 1,873,887; Aug. 23.
Heppner, Rudolf, Schoneberg, near Berlin, assignor to Josef Hausen, Berlin-Friedenau, Germany. Absorbent for acetylene gas. 1,846,806; Feb. 23.
Hepting, Ernst. (See Rinnlspacher, J., and Hepting.)
Hérault, Albert, Paris, France. Device for projecting color and monochrome films. 1,877,725; Sept. 13.
Herber, Pierce, Middlesex, N. J., assignor to Research Corporation, New York, N. Y. Liquid seal. 1,889,360; Nov. 29.
Herbert, Frank A., Cincinnati, Ohio. Cyclic limit mechanism. 1,877,314; Sept. 13.
Herbert Photos, Inc. (See Goldenbaum, Frederick C., assignor.)
Herbig, Henry F., Short Hills, N. J., assignor to International Communications Laboratories, Inc., New York, N. Y. Connecting artificial lines in duplex systems. 1,843,226; Feb. 2.
Herbolsheimer, Emil L., assignor to The Defiance Pressed Steel Company, Defiance, Ohio. Sheet metal case. 1,885,441; Nov. 1.
Her-Born Engineering and Manufacturing Company. (See Bornemeier, Otto E., assignor.)
Herbst, Clarence A., assignor to Economy Fuse and Manufacturing Co., Chicago, Ill. Heat treating oven. 1,861,981; Dec. 27.
Herbst, Frank, Winthrop, Mass. Boat propeller unit. 1,851,833; Mar. 29.
Herbst, Max. (See Wietzel, R., and Herbst.)
Herbst, Walter W. (See Bean, M. E., and Herbst.)
Herbst, Wesley W., Lima, Ohio. Printing press paper gripper. 1,848,629; Mar. 8.
Herbster, George, assignor to The Bauer Ignition Company, Cleveland, Ohio. Electrical connecter. 1,845,888; Feb. 16.
Herbster, George, assignor to The Bauer Ignition Company, Cleveland, Ohio. Automatic gas lighter. 1,870,007; Aug. 2.
Herbster, George, assignor to The Bauer Ignition Company, Cleveland, Ohio. Temperature regulator. 1,871,267; Aug. 9.
Herbster, George, assignor to The Bauer Ignition Company, Cleveland, Ohio. Thermostatic switch. 1,871,369; Aug. 9.
Hercules Cement Corporation. (See Kind, Morris, assignor.)
Hercules Gas-Munitions Corporation. (See von Frantzius, Peter, assignor.)
Hercules Glue Company. (See Lindstaedt, Frank F., assignor.)
Hercules Glue Company. (See Shatto, D. L., and Lindstaedt, assignors.)
Hercules Motors Corporation. (See Balough, Charles, assignor.)
Hercules Powder Company. (See Babcock, Leon W., assignor.)
Hercules Powder Company. (See Bacchus, Thomas W., assignor.)
Hercules Powder Company. (See Bent, Leavitt N., assignor.)
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Boyd, Newton C., assignor.)
Hercules Powder Company. (See Crater, Willard de C., assignor.)
Hercules Powder Company. (See Crater, W. de C., and French, assignors.)
Hercules Powder Company. (See Duffy, Bert J., assignor.)
Hercules Powder Company. (See Fisher, Lloyd H., assignor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Hercules Powder Company. (See Johnston, Alan C., assignor.)
Hercules Powder Company. (See Kaiser, Harry E., assignor.)
Hercules Powder Company. (See Lickle, Charles H., assignor.)
Hercules Powder Company. (See Mohler, Arthur L., assignor.)
Hercules Powder Company. (See Peters, Garrett H., assignor.)
Hercules Powder Company. (See Rankin, Lanning P., assignor.)
Hercules Powder Company. (See Rile, James H., assignor.)
Hercules Powder Company. (See Smith, Lee T., assignor.)
Hercules Powder Company. (See Traylor, William N., assignor.)
Hercules Products, Inc. (See Collins, William D., assignor.)
Herdeg, Howard B., Buffalo, N. Y. Device for automatically maintaining electrolyte level in a battery. 1,882,361; Oct. 11.
Herden, Wilhelm. (See Cohn, A., and Herden.)
Herdieckerhoff, Ernst. (See Tschunkur, E. Ballauf, and Herdieckerhoff.)
Herdieckerhoff, Ernst. (See Tschunkur, E., Krackt, and Herdieckerhoff.)
Herff-Jones Co. (See Foster, Tony E., assignor.)
Hergert, Ben J., St. Louis, Mo. Toothbrush. 1,862,142; June 7.
Hergert, Ben J., St. Louis, Mo., assignor, by mesne assignments, to The Clean-Be-Tween Toothbrush Corporation. Toothbrush. 1,862,141; June 7.
Herington, William A., Trenton, Mo. Fish lure. 1,858,696; Apr. 19.
Heritage, Clark C. (See Jewett, J. E., Heritage, and Riegler.)
Herkert, Frederick, jr., St. Louis, Mo. Wardrobe trunk. 1,856,913; May 3.
Herkt, Ernest, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Prussia, Germany. Two-stroke internal combustion engine. 1,847,610; Mar. 1.
Herlihey, Joseph A., Utica, and C. Gulotta, New York, N. Y. Windshield wiper. 1,888,665; Nov. 22.
Herlihy, John, Albany, N. Y. Box-holder clamp. 1,856,103; July 26.
Herlihy, John J., Glenwood, Pittsburgh, Pa. Machine for wearing in journal bearings. 1,839,221; Jan. 5.
Herlihy, Theodore M., Los Angeles, Calif., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Lubricant dispensing apparatus. 1,850,105; July 5.
Herm. Bertram, Hallersche Dampfbackofen-Fabrik Hallesche Misch-u Knetmaschinen-Fabrik m. b. H. (See Regel, Bruno, assignor.)
Herman, Alexander, Berlin, Germany. Window. 1,867,454; July 12.
Herman, Alexander, Berlin, Germany. Manufacture of furniture. 1,868,215; July 26.
Herman, Fred P., McCamey, Tex. Power take-off mechanism for automobiles. 1,862,400; June 7.
Herman, Henry, Ocean Township, Monmouth County, N. J. Brush. 1,850,233; Mar. 22.
Herman, John, Los Angeles, Calif. Gun sight. 1,857,782; May 10.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Selective circuit arrangement. 1,840,360; Jan. 12.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Radio telephone and telegraph system. 1,843,227; Feb. 2.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Measuring time of propagation of wave fronts over circuits. 1,844,886; Feb. 9.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Measuring time of propagation of wave fronts over circuits. 1,844,887; Feb. 9.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Bias control in telegraph communication system. 1,888,803; Nov. 22.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Measurement of cross-talk. 1,888,804; Nov. 22.
Herman, Joseph, Westfield, N. J., E. R. Taylor, New York, N. Y., and S. B. Wright, South Orange, N. J., assignors to American Telephone and Telegraph Company. Radio telephone and telegraph circuit. 1,843,228; Feb. 2.
Herman, Joseph L., assignor to Keystone Steel & Wire Company, Peoria, Ill. Metal coated iron or steel articles and method and apparatus for producing same. 1,890,463; Dec. 13.
Herman, Karl, Morrisville, Pa. Window cleaner. 1,852,494; Oct. 11.
Herman, Kenneth R., assignor, by mesne assignments, to Continental Diveo Company, Detroit, Mich. Brake operating mechanism for delivery vehicles. 1,874,526; Aug. 30.
Herman Nelson Corporation, The. (See Shurtleff, Wilfred, assignor.)
Herman, Samuel. (See Lozier, M., and Herman.)
Herman, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Spraying device for paints, varnishes, etc. 1,881,369; Oct. 11.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Can body flanging machine. 1,854,170; Apr. 19.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Cake safe. 1,863,790; June 21.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Provision safe. 1,863,793; June 21.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Md. Can turning mechanism. 1,881,187; Oct. 4.
Hermani, Henry, Baltimore, Md., assignor, by mesne assignments, to American Can Company, New York, N. Y. Key opening can. 1,884,682; Oct. 25.

Hermani, Henry, Baltimore, Md., assignor, by mesne assignments, to American Can Company, New York, N. Y. Machine for attaching keys to can tops. 1,854,683; Oct. 25.

Hermann, F. W., et al. (See Cuddigan, Bartholomew O., assignor.)

Hermann, Franz J., Singen, Germany. Dust removing device for threshing machines. 1,848,252; Mar. 8.

Hermann, Frederick L., Pittsburgh, Pa. Collar. 1,865,317; June 28.

Hermann, Jacob, Newton, N. J. Machine for making pile fabrics. 1,863,049; June 14.

Hermann, John, San Francisco, Calif. Safe. 1,854,839; Apr. 19.

Hermann, John F., Havanna, Ill. Internal combustion engine. 1,847,560; Mar. 1.

Hermann, Ludwig M. (See Neuber, Freidrich and T., and Hermann.)

Hermann Manufacturing Company, The. (See Wessel, L. H., and Larson, assignors.)

Hermann Manufacturing Company, The. (See Wessel, L. H., and Booker, assignors.)

Hermann, Otto, Chicago, Ill., assignor, by mesne assignments, to Thermo Electric Company, St. Louis, Mo. Thermocouple. 1,845,271; Feb. 16.

Hermann, V. O., Corporation, The. (See Hermann, Volquardt O., assignor.)

Hermann, Volquardt O., assignor to The V. O. Hermann Corporation, New York, N. Y. Machine for making lollipops. 1,879,234; Sept. 27.

Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Strip-serving machine. 1,849,759; Mar. 15.

Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Strip-serving machine. 1,849,760; Mar. 15.

Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Spraying device. 1,875,729; Sept. 6.

Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Spraying device for paints, varnishes, etc. 1,881,570; Oct. 11.

Hermanns, Margaret, Merrick, N. Y. Fastener for shoulder straps. 1,858,776; May 17.

Hermanson, Oscar, New York, N. Y. Screw propeller. 1,851,098; Mar. 29.

Hermanson, Sune. (See Andrus, O. E., and Hermanson.)

Hermanuz, Alfred, and K. Klug, assignors to Schmidt'sche Heissdampf-Gesellschaft mit beschraenkter Haftung, Kassel-Wilhelmshohe, Germany. High pressure locomotive with interstage superheating. 1,879,235; Sept. 27.

Hermes Machine Company. (See Mason, George H., assignor.)

Hermsdorf-Schomburg Isolatoren, G. m. b. H. (See Regerbis, W., and Handtrag, assignors.)

Hermsdorf-Schomburg Isolatoren G. m. b. H. (See Scheid, Johann F., assignor.)

Hermsdorf-Schomburg-Isolatoren G. m. b. H. (See Welcker, William, assignor.)

Hermsdorf, Walter H., assignor, by mesne assignments, to Chain Store Products Corporation, Chicago, Ill. Hatpin. 1,864,183; Apr. 19.

Hermsmeyer, William G., Fort Worth, Tex. Heat reducing structure for explosive engines. 1,857,303; May 10.

Herndon, Laney D., Columbus, Ga. Window screen. 1,859,914; June 14.

Hernis, Guy E., Stevens Point, Wis. Cigar container. 1,858,738; May 17.

Herpon, Lon, Chicago, Ill. Brush comb. 1,866,210; July 5.

Herold, James L. (See Schuchardt, W., and Herold.)

Herold, Lawrence L., Lakewood, Ohio. Rotary brush. 1,869,102; July 26.

Herold, Paul, and P. Koppe, Neurossen, Germany, assignors to Deutsche Gold- und Silber-Scheideanstalt Vorm. Roessler. Production of aromatic amines. 1,854,258; Apr. 19.

Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,873,888; Aug. 23.

Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,885,691; Nov. 15.

Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,874,527; Aug. 30.

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Cushion slide for furniture. 1,888,037; Nov. 15.

Herpen, August-Theodor, Leipzig, Germany. Steam generator. 1,874,527; Aug. 30.

Herr, Charles A., Clayton, Mo. Folding envelope or similar article. Des. 86,916; May 10.

Herr, Edward W. (See Owen, W. L., and Herr.)

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Flyer for spinning machines and the like. 1,884,684; Oct. 25.

Herr, Henry C., assignor to Herr Manufacturing Company, Incorporated, Buffalo, N. Y. Flyer for spinning machines and the like. 1,854,470; Apr. 19.

Herr, Henry C., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Flyer for spinning machines and the like. 1,864,819; June 28.

Herr, Henry C., assignor to Herr Manufacturing Co. Inc., Buffalo, N. Y. Self-lubricating spinning ring. 1,867,150; July 12.

Herr, Herbert T., Marion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multiple control for Diesel engine units. 1,839,921; Jan. 5.

Herr, Herbert T., Marion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal combustion engine control mechanism. 1,853,613; Apr. 12.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal combustion engine. 1,841,119; Jan. 12.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuel injection system. 1,845,600; Feb. 16.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal combustion engine (gasoline injection). 1,845,601; Feb. 16.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuel injection system. 1,847,718; Mar. 1.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Manufacturing cylinder structures. 1,853,562; Apr. 12.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal combustion engine. 1,854,190; Apr. 19.

Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Engine crank shaft. 1,858,014; May 10.

Herr Homer A., Philadelphia, Pa., assignor to Automatic Centrifugal Company. Continuous automatic centrifugal machine. 1,866,499; July 5.

Herr Manufacturing Company. (See Herr, Harvey E., assignor.)

Herr Manufacturing Company. (See Herr, Henry C., assignor.)

Herre, Peter, Fichtenau, Kreis Niederbarnim, Germany, assignor to General Electric Company. Stem making machine. 1,861,271; May 31.

Herren, Earl R., Lorain, Ohio. Mechanically operated brake. 1,856,635; May 3.

Herrenbruck, Hernan, assignor to Orbon Stove Co., Belleville, Ill. Door for stove. 1,868,322; July 19.

Herrick, Albert B., Riverside, Conn. Electrical relay. 1,848,480; Mar. 8.

Herrick, William T., Tulsa, Okla. Roulette golf. 1,851,628; Mar. 29.

Herring, Burton R. (See Simms, George A., assignor.)

Herring, Burton R. (See Simms, James T. and G. A., assignors.)

Herring, Ernest W., Maywood, Calif. Illuminated novelty. 1,862,678; June 14.

Herring, George E., Chicago, Ill. Tarnishproof container. Re18,379; Mar. 8.

Herring, George E., Dexter, Iowa. Hog ring. 1,844,761; Feb. 9.

Herring, Ruth H. (See Glenn, E. F. and Herring.)

Herrington, William H. (See Jordan, T. M., and Herrington.)

Herrly, Peter F., assignor, by mesne assignments, to Briquet Engineering Company, Minneapolis, Minn. Fuel briquette. Des. 88,341; Nov. 22.

Herrmann, Conrad, Wuppertal-Elberfeld, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Spooling machine. 1,874,526; Aug. 30.

Herrmann, Ernst, Pforzheim, Germany. Producing a flat pictorial representation from a pattern in relief. 1,878,138; Sept. 20.

Herrmann, John S., Sharon, Pa. Bottle washing machine. 1,862,307; June 7.

Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Grinding irregular shafts. 1,854,934; Apr. 19.

Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Grinding bearing races. 1,858,347; Oct. 4.

Herrmann, Walter. (See Streitwolf, K. Fehrle, Herrmann, and Fritzsche.)

Herrmann, Willy O., and H. Dourscb, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Manufacture of organic acid anhydrides. 1,856,251; May 3.

Herrmann, Willy O., and E. Baum, assignor to Consortium fur Elektrochemische Industrie, Munich, Germany. Preparation of acetylene and ethylene. 1,864,196; June 21.

Herrmann, Willy O., and E. Baum, assignors to Consortium fur Elektrochemische Industrie, Munich, Germany. Oxidizing organic substances. 1,864,541; June 28.

Herron, Anna L., et al. (See Herron, Ollie L., assignor.)

Herron, Ollie L., assignor of thirty per cent to A. L. Herron, twenty per cent to J. B. Zimmers, and thirty per cent to W. M. Zimmers, Chicago, Ill. Windshield. 1,891,765; Dec. 20.

Herron-Zimmers Moulding Company. (See Hughes, George F., assignor.)

Herron-Zimmers Moulding Company. (See Rood, Warren B., assignor.)

Hersch, William M., and C. J. Anderson, assignors to Streator Cold Storage Door Co., Streator, Ill. Refrigerator door latch. 1,840,163; Jan. 5.

Herschede Hall Clock Company, The. (See Herschede, W. J., Eberhardt and Hellmuth, assignors.)
Herschede, Walter J. W. Eberhardt, and A. Hellmuth, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Clock. 1,868,941; July 26.
Herschel, William W. (See Freeman, B. W., Herschel, and Patterson.)
Hersey Manufacturing Company. (See Charnock, John F., assignor.)
Hersey Manufacturing Company. (See Harrigan, Harold W., assignor.)
Hersey Manufacturing Company. (See Hersey, Walter A., assignor.)
Hersey Manufacturing Company. (See Winton, Henry D., assignor.)
Hersey, Ralph, et al. (See McFarland, Francis W., assignor.)
Hersey, Walter A., Wellesley, assignor to Hersey Manufacturing Company, South Boston, Mass. Liquid dispensing apparatus. 1,858,206; May 10.
Hershberg, Samuel, Brooklyn, N. Y. Camera device. 1,841,811; Jan. 19.
Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,841,733; Jan. 19.
Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Selective signaling system. 1,852,040; Oct. 11.
Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Remote control system. 1,858,267; Nov. 22.
Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Remote control system. 1,858,268; Nov. 22.
Hershey, Harry E., Oak Park, assignor, by mesne assignments to Associated Electric Laboratories, Inc., Chicago, Ill. Selective signaling system. 1,888,935; Nov. 29.
Hershey, Jacob R. (See Buckwalter, Jacob S., assignor.)
Hershey, Orville S., Chicago, Ill., assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,867,829; July 19.
Hershey, Orville S., Chicago, Ill., assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,867,828; July 19.
Hershey, Orville S., Chicago, Ill., assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,867,830; July 19.
Hershey, Orville S., Park, assignor to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,867,831; July 19.
Hershey, Orville S., Chicago, assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,881,571; Oct. 11.
Hersh, Harry W., Pittsfield, Ill. Convertible right- and left-handed scissors. 1,846,867; Feb. 23.
Hersking, Carl C. (See Sabbah, C. A., and Hersking.)
Hersh, William. (See Bibb, M. J., and Hersh.)
Hersleb, William. (See Bramsen, S., Hersleb, and Wahlin.)
Herst, Ward F., assignor to Wolverine Brass Works, Grand Rapids, Mich. Sewer-cleaning implement. 1,888,269; Nov. 22.
Herstein, Bernard, Brooklyn, assignor to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of acetic anhydride. 1,860,542; May 31.
Hertan, Bernard, Brooklyn, assignor to Fred E. Hertan, Kew Gardens, N. Y. Spring knitting needle. 1,885,097; Oct. 25.
Hertan, Fred E. (See Hertan, Bernard, assignor.)
Hertel, Otto H., Chicago, Ill. Carbonizing coal. 1,856,252; May 3.
Hertfelder, Henry, assignor to Dodge Manufacturing Company, Limited, Toronto, Ontario, Canada. Wood rim pulley. 1,866,303; July 5.
Herthel, Eugene, Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors, by mesne assignments, to The Ivey Processes Corporation, Newark, N. J. Cracking hydrocarbons. 1,887,128; Nov. 8.
Herthel, Eugene C. (See Campbell, O. F., and Herthel.)
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,842,793; Jan. 26.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,842,794; Jan. 26.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,859,966; May 24.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Operation of pressure stills. 1,868,204; July 26.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,878,849; Sept. 20.
Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,859,967; May 24.
Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,868,901; July 26.
Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,872,949; Aug. 23.
Herthel, Eugene C., Chicago, Ill., and W. S. Gullette, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Valve. 1,857,279; May 10.
Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors, by mesne assignments, to The Gray Processes Corporation, Newark, N. J. Cracking hydrocarbons. 1,853,614; Apr. 12.
Herthel, Eugene C., and T. D. Tifft, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,859,510; May 24.
Hertner, John H., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Vehicle. 1,878,139; Sept. 20.
Hertsch, Bernhard A., Rockledge, Pa. Grease trap or interceptor. 1,856,199; May 3.
Hertz, Gustav L., Halle-on-the-Saale, Germany, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Gas filled discharge tube. 1,874,528; Aug. 30.
Hertzberg, Annie L., Oakland, Calif. Shirt. 1,887,639; Nov. 15.
Hertzberg, Harry, Brooklyn, N. Y. Pulsating irrigator. 1,846,596; Feb. 23.
Hertzberg, Harry, Brooklyn, assignor to Hertzberg Patents Inc., New York, N. Y. Mop with wringer. 1,848,481; Mar. 8.
Hertzberg, Harry, Brooklyn, assignor to Hertzberg Patents Inc., New York, N. Y. Squeegee and wringer mop. 1,848,482; Mar. 8.
Hertzberg, Harry, Brooklyn, assignor to Hertzberg Patents Inc., New York, N. Y. Mop head. 1,888,986; Nov. 29.
Hertzberg, Harry, Brooklyn, assignor to F. J. Kent, New York, N. Y., and himself jointly. Thermostatic control. 1,850,206; Mar. 22.
Hertzberg, Harry, Brooklyn, assignor to Hertzberg Patents Inc., New York, N. Y. Squeegee mop. 1,861,795; June 7.
Hertzberg Patents Inc. (See Hertzberg, Harry, assignor.)
Hertzog, John, London, Ohio. Ventilator fan for water closets. 1,862,085; June 7.
Hervey, Earl C., assignor to Hydraulic Press Brick Company, Indianapolis, Ind. Apparatus for producing rough faced ornamental brick. 1,856,055; Apr. 26.
Hervig, Richard, Battle Creek, Michigan, assignor to Wilcox-Rich Corporation, Grinder machine. 1,850,949; Mar. 22.
Hervig, Richard, Battle Creek, Mich., assignor to Wilcox-Rich Corporation. Grinding machine. 1,865,251; June 28.
Herwig, Conrad, jr., assignor to The Favorite Stove and Range Company, Piqua, Ohio. Air regulator. 1,849,623; Mar. 15.
Herwig, Valentin, Berlin-Wilmersdorf, and E. Mustin, Mahlow, near Berlin, assignors to Kokswerke Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Railway tie. 1,862,266; June 7.
Herz, Alexander. (See Conti, Eugene, assignor.)
Herz, Alfred, Chicago, Ill. Stereoscopic motion pictures. 1,851,705; Mar. 29.
Herz, Alfred, Chicago, Ill. Compensating drive mechanism for gas meters. 1,881,572; Oct. 11.
Herz, Alfred, Chicago, Ill. Antiinduction shielding system. 1,881,573; Oct. 11.
Herz, Alfred, Chicago, Ill. System for preventing interference between power wires and communication wires. 1,881,574; Oct. 11.
Herz, Alfred, assignor of one-half to E. O. Schweitzer, Chicago, Ill. Fused cut-out. 1,853,209; Apr. 12.
Herz, Alfred, assignor of one-half to Edmund O. Schweitzer, Chicago, Ill. Fused cut-out. 1,867,151; July 12.
Herz, George C., Flushing, assignor to Jabez Burns & Sons, Inc., New York, N. Y. Machine for cleaning coffee, cocoa beans, etc. 1,850,719; Mar. 22.
Herz, Richard, Frankfort-on-the-Main, and W. Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 4'-methyl-6-halogen thiodindigos and their 6'-halogen derivatives. 1,841,441; Jan. 19.
Herz, Richard, and N. Steiger, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Mordant dyestuffs of the thiazine series. 1,841,442; Jan. 19.
Herz, Richard, Frankfort-on-the-Main, and M. Schubert and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-Mercapto-arylene-thiazole compounds and process of making same. 1,847,514; Mar. 1.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works Inc., New York, N. Y. Manufacturing chlorinated derivatives of anthanthrone. 1,849,426; Mar. 15.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Incorporated, New York, N. Y. Making vat dyestuffs of the anthanthrone series. 1,856,215; May 3.
Herz, Richard, N. Steiger, and F. Schulte, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing halogen aryl-thioglycollic acids. 1,862,594; June 14.

Herz, Richard, and N. Steiger, Frankfort-on-the-Main, and W. Hechtenberg, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of fast printings on vegetable fiber. 1,875,602; Sept. 6.

Herz, Richard, Frankfort-on-the-Main, and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing aryl-ortho-carboxyamido-mercaptans. 1,876,928; Sept. 13.

Herz, Richard, Frankfort-on-the-Main and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing 2-mercapto-arylene-thiazole compounds and the like. 1,876,929; Sept. 13.

Herz, Richard, Frankfort-on-the-Main, and M. Schubert, and W. Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxy-thionaphthenes containing a pyrazole ring. 1,876,930; Sept. 13.

Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Brominated vat dyestuffs of the anthanthrone series and making same. 1,877,315; Sept. 13.

Herz, Richard, Frankfort-on-the-Main, and M. Schubert and W. Brunner, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New indigoid dyestuffs. 1,877,316; Sept. 13.

Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenating anthanthrone. 1,877,366; Sept. 20.

Herzberg, Wilhelm, Berlin-Wilmersdorf, and H. Lange, Berlin-Friedenau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing methylamines substituted in the methyl group by a cyclic radicle. 1,873,402; Aug. 23.

Herzig, Frederick, see Speer, E. W., and Herzig, J.

Herzog, Carl W., Toledo, Ohio. Rotary pump. 1,881,575; Oct. 11.

Herzog, Eugene, and H. L. Watson, Lynn, Mass., assignors to General Electric Company, Thermocouple. 1,849,832; Mar. 15.

Herzog, Reginald O., and L. Berenyi, Berlin-Dahlem, Germany. Manufacturing hollow molded articles from solutions of film-forming cellulosic materials. 1,876,229; Sept. 6.

Herzog, Robert. (See Hahnesmann, W., and Herzog.)

Herzog, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Wireless signal. 1,853,648; Apr. 22.

Herzog, Sidney G., assignor to Foster & Kleiser Company, San Francisco, Calif. Advertising sign. Des. 80,493; Jan. 6.

Herzogenrath, Heinrich, Berlin-Charlottenburg, and H. Tiaden, Berlin-Zehlendorf, Germany. Picture and like frame. 1,851,141; May 24.

Herzstein, Joseph H., Napa, Calif. Boot top. 1,851,629; Mar. 29.

Herzstein, Max, and R. H. Porter, San Antonio, Tex.; said Herzstein assignor to said Porter. Bracket. 1,878,398; Sept. 20.

Hescock, Ethan N., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Cable reel. 1,852,079; Apr. 5.

Hescock, Ethan N., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Adjustable cable reel. 1,852,080; Apr. 5.

Hescock, Ethan N., Westfield, N. J., assignor to Henry B. Newhall Corporation, Garwood, N. J. Cable reel and metal lagging. 1,858,825; May 17.

Hescock, Ethan N., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Metal cable reel. 1,861,709; Jun. 20.

Hesla, Louis E., et al. (See Smith, Orville O., assignor.)

Hespeler, Max, Neckarsulm, Germany. Device for carrying out knots. 1,870,241; Aug. 9.

Hess, Albert L., assignor to Cycletow Corporation, Ltd., Los Angeles, Calif. Auxiliary wheel attachment for cycles. Re18,424; Apr. 5.

Hess, Albert L., assignor to Cycletow Corporation, Ltd., Los Angeles, Calif. Towable cycle. Re18,428; Apr. 19.

Hess, Albert L., assignor to Cycletow Corporation, Ltd., Los Angeles, Calif. Convertible bicycle. 1,855,172; Apr. 19.

Hess, Albert Laurance, assignor to Cycletow Corporation, Ltd., Los Angeles, Calif. Tow-bar for cycles. 1,887,202; Nov. 8.

Hess, Arnold and E., Solothurn, Switzerland. Mechanism for operating folding motor car tops. 1,858,624; May 17.

Hess, August F., and F. G. Kiehl, Atchison, Kans. Mounting for sliding doors. 1,847,961; Mar. 1.

Hess, Bryce M., Chicago, Ill. Mirror equipped cabinet door. 1,881,576; Oct. 11.

Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,876,459; Sept. 6.

Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,890,990; Dec. 13.

Hess, Emil. (See Hess, Arnold and E.)

Hess, Fritz, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acylated safranines and preparing them. 1,866,809; Nov. 8.

Hess Goldsmith & Company. (See Roberson, Willard D., assignor.)

Hess, Heinrich. (See Röhm, O., Fischer, and Hess.)

Hess, Heinrich O., assignor to Firm Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Ring spinning and ring doubling machine having a movable spindle rail. 1,892,343; Dec. 27.

Hess, John F., Milwaukee, Wis. Pump. 1,874,010; Aug. 30.

Hess, Joseph J., assignor to International Printing Company, Indianapolis, Ind. Open bottom ventilated paper tray and making the same. 1,863,334; June 14.

Hess, Joseph J., Indianapolis, Ind., assignor to International Printing Company. Open bottom ventilated paper tray. 1,891,928; Dec. 27.

Hess, Peter F., Drewrys Bluff, Va. Chicken feeder. 1,863,983; June 21.

Hess, Raymond W. (See Leaper, J. M. F., and Hess.)

Hess, Raymond W. (See Moses, F. G., Hess, and Perkins.)

Hess, Raymond W., Buffalo, N. Y., and O. B. Cunningham, Indianapolis, Ind., assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Making carbazole indophenols. 1,871,791; Aug. 16.

Hess, Wilhelm. (See Cattaneo, G., Eddelaan, Hess, Jodeck, and Rosenberg.)

Hesse, Curt O., Brooklyn, N. Y., assignor to Becker, Smith & Page, Incorporated, Philadelphia, Pa. Wallpaper. Des. 87,746; Sept. 13.

Hesse, Elmer N., and E. W. Stahl, Roscoe, N. Y. Card table. 1,849,981; Mar. 15.

Hesse-Ersted Iron Works. (See Jenkins, Harry E., assignor.)

Hesselman, Knut J. E., Saltsjo-Storangen, near Stockholm, Sweden. Apparatus for introducing liquid fuel into internal combustion engines. 1,888,082; Nov. 15.

Hessenbruch, George S., Webster Groves, assignor, by mesne assignments, to Emil Nathan, St. Louis, Mo. Preventing formation of scale or incrustations in steam boilers and the like. 1,849,077; Feb. 2.

Hessenbruch, Hermann M., Wynewood, assignor to Philadelphia Lawn Mower Company Inc., Philadelphia, Pa. Refrigerator. 1,882,441; June 7.

Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)

Hessle, Eric T., Lockport, assignor to Mid-West Chemical Company, Chicago, Ill. Insecticide and making the same. 1,887,156; Nov. 8.

Hessle, Eric T., Lockport, assignor to Thiophene Products Company, Chicago, Ill. Manufacture of cyclic sulphur compounds such as thiphane and its derivatives. 1,877,478; Sept. 13.

Hesson, William W., Toronto, Ontario, Canada. Tobacco pipe. 1,855,800; Apr. 26.

Hester, Edgar A., Pittsburgh, Pa. Automobile tire pump. 1,887,715; Nov. 15.

Hester, James E., Pittsburgh, Pa. Toy vehicle. 1,872,289; Aug. 16.

Hester, Levi C., Jacksonville, Fla. Forester's fire-line plow. 1,883,128; Nov. 15.

Hester, Wynes W., assignor to Driftmeter, Incorporated, Tulsa, Okla. Apparatus for indicating angularity of crooked well holes. 1,868,833; July 26.

Heston, Allen L. (See Leuve, F. H., and Heston.)

Heston, Allen L. (See Shook, J., and Heston.)

Heston, Allen L., Columbiana, assignor to The National Rubber Machinery Company, Akron, Ohio. Telescopic tire building drum. 1,860,242; May 24.

Heston, Allen L., Akron, Ohio, assignor to Seiberling Rubber Company. Bias cutting machine. 1,874,750; Aug. 30.

Heston, Allen L., and F. J. Shook, Akron, and E. W. Evans, Columbiana, assignors to The National Rubber Machinery Company, Akron, Ohio. Collapsible drum. 1,877,746; Sept. 13.

Heston, Darwin M., Princeton, Ind. Portable pressure dispensing system. 1,844,360; Feb. 9.

Hetherington, Sherman C., assignor to J. I. Case Company, Racine, Wis. Silo filler. 1,868,231; July 19.

Hetherington & Berner, Inc. (See Hodge, Chester J., assignor.)

Hetherington, Edwin, Cedar Rapids, Iowa. Child's teeter board. 1,858,892; May 17.

Hetherington, Oliver, assignor to Peerless Springs, Incorporated, West Chester, Pa. Spring construction and making same. 1,888,666; Nov. 22.

Hetherington, Robert, Sharon Hill, Pa. Vibrator. 1,877,176; Sept. 13.

Hetherington, Robert, Sharon Hill, Pa. Automatic thermostatic control valve. 1,888,225; Nov. 22.

Hettig, Stewart F., Warrior Run, Peely, Pa. Rail handling truck. 1,881,313; Oct. 4.

Hettrick Manufacturing Company, The. (See Friesner, Charles E., assignor.)

Hettrick Manufacturing Company, The. (See Rueter, Herman, assignor.)

Hettrick Manufacturing Company, The. (See Smith, Isidore F., assignor.)

Hetzer, Josef. (See Gunther, F., Schuster, and Hetzer.)

Hetzer, Joseph. (See Günther, F., and Hetzer.)

Heuncker, Frederick W., Miami, Fla. Fixture, trap and drain pipe, stoppage preventer. 1,886,676; Nov. 8.
Heuck, Claus. (See Luther, M., and Heuck.)
Heuer, Emil G., Dresden, Germany. Automobile body. 1,869,423; Aug. 2.
Heuer, Russell P., Haverford, Pa. Chrome refractory and its manufacture. 1,845,968; Feb. 16.
Heuer, Russell P., assignor to General Refractories Company, Philadelphia, Pa. Dense mix for refractories and preparing the same. 1,851,181; Mar. 29.
Heuer, Ralph V., Philadelphia, Pa., assignor to General Refractories Company. Refractory and making it. 1,859,512; May 24.
Heuer, Russell P., Haverford, Pa., assignor to General Refractories Company. Refractory brick and method. 1,886,185; Nov. 1.
Heuer, Wilbur J., Milwaukee, Wis. Portable bar. 1,891,157; Dec. 13.
Heuertz, Louis M., et al. (See Roberts, Lee R., assignor.)
Heuglin, Ralph V., Fort Barsky, Ga., and Heuser.)
Heuner, Carl, Berlin, Germany. Starting crank for internal combustion engines. 1,882,594; Oct. 11.
Heuser, Herman, Chicago, Ill. Apparatus for producing aldehyde free alcoholic liquids. 1,867,554; July 19.
Heuser, Herman, assignor to United States Process Corporation, Chicago, Ill. Production of carbonated liquids. 1,842,872; Jan. 26.
Heuser, Ralph V., Cranford, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing (hitures. 1,859,959; Dec. 6.
Heusler, Otto. (See Rohre, Kurt, and Heusler.)
Heusser, Emil. (See Baumberger, E., and Heusser.)
Heusser, Jacob, and L. Tuhrcroft, Clear Lake, Wis. Playing card holder or similar article. Des. 86,168; Feb. 9.
Heusser, Wilfrid, Salt Lake City, Utah. Chain-poise variable weight balance. 1,867,384; July 12.
Heusser, Wilfrid, Salt Lake City, Utah. Chain-poise variable-weight balance. 1,881,586; Oct. 4.
Hewbing, Bernhard, Saalfeld-an-Saale, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Invertible tray mechanism for bake ovens. 1,849,799; Mar. 15.
Heuze, Charles, Auvelais, Belgium. Surfacing device for glass and ceramic articles. 1,849,923; Mar. 15.
Heuze, Charles, Auvelais, Belgium. Power stop. 1,864,820; June 28.
Heuze, Charles, Auvelais, Belgium. Device for cleaning traveling plates. 1,864,821; June 28.
Heuze, Charles, Auvelais, Belgium. Grinding, smoothing, and polishing apparatus. 1,864,822; June 28.
Heuze, Charles, Auvelais, Belgium. Grinding, smoothing, and polishing apparatus. 1,864,823; June 28.
Heuze, Charles, Auvelais, Belgium. Grinding, smoothing and polishing apparatus. 1,871,992; Aug. 16.
Hevi Duty Electric Company. (See Condit, F. J., and Smalley, assignors.)
Hevi Duty Electric Company. (See Cooley, William B., assignor.)
Hevi Duty Electric Company. (See Koch, H. E., and Lowe, assignors.)
Hevi Duty Electric Company. (See Smalley, Edwin L., assignor.)
Hewett, Hilda E. (See Hewett, Louis F., assignor.)
Hewett, Louis F., New York, assignor to Hilda E. Hewett, Brooklyn, N. Y. Composite paving block. 1,885,720; Nov. 1.
Hewitt, Ellis E. (See Farmer, C. C., and Hewitt.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor controlling leg valve. 1,870,848; Aug. 9.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 1,889,229; Nov. 29.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir construction. 1,891,644; Dec. 20.
Hewitt, Elmer L., assignor to All Fair Incorporated, Churchville, N. Y. Toy. 1,882,595; Oct. 11.
Hewitt, Elmer L., assignor to All Fair Incorporated, Churchville, N. Y. Figure toys. 1,891,816; Dec. 20.
Hewitt, Lee J. (See Cummings, J. D., and Hewitt.)
Hewitt, Roy L., Colorado Springs, Colo. Toggle fastening appliance for doors. 1,863,524; June 14.
Hewitt, William H., assignor of one-third to O. M. Doolittle and one-third to J. Monnell, Cumberland, Md. Steering gear. 1,845,874; Feb. 16.
Hewitt, William R., New York, N. Y. Electromagnetic fuel pump. 1,853,811; Apr. 12.
Hewitt, William R., New York, N. Y. Railway draft gear. 1,877,399; Sept. 13.
Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Apparatus for measuring irregularity of movement. 1,849,831; Mar. 15.
Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Sound recording. 1,853,812; Apr. 12.
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 1,854,031; Apr. 12.
Hewlett, John M., Schenectady, N. Y. Liquid atomizing device. 1,869,809; Aug. 2.
Hey, Edmund A., assignor to Rosefield Development Corporation, Alameda, Calif. Preparing pickles. 1,845,748; Feb. 16.
Hey, Ernest, assignor to All-Sol Company, Bellingham, Wash. Alloy metal flux and making the same. 1,877,867; Sept. 20.
Hey, Henry W. (See Hill, E. G., and Hey.)
Heydemann, Wolfgang. (See Mohr, K., and Heydemann.)
Heyden, Theodore A., Pendleton, Oreg. Separator. 1,847,530; Mar. 1.
Heyer, Don. (See Kendall, D., and Heyer.)
Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,850,323; Mar. 22.
Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,850,586; Mar. 22.
Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,858,893; May 17.
Heyer, George E., Little Rock, Ark. Buffing wheel. 1,852,885; Apr. 5.
Heyer, William C., Mount Holly, N. J., assignor to Weaver Manufacturing Company, Inc., Mount Holly, N. J. Belt. 1,847,182; Mar. 1.
Heyzel, Paul R., Ridgefield, N. J. Refrigerator construction. 1,882,011; Oct. 11.
Heyl & Co., Chemischpharmazeutische Fabrik, Aktiengesellschaft. (See Freund, Erich, assignor.)
Heyl, George E., Westminster, assignor to M. Greenhill, London, England. Manufacture of non-splintering glass sheets. 1,867,009; July 12.
Heylandt, Christian W. P., Berlin-Britz, Germany. Method and device for the regasification of liquefied gases. Re18,421; May 17.
Heylandt, Christian W. P., Berlin-Britz, Germany, assignor to Fluga Aktiengesellschaft, St. Moritz, Switzerland. Method and apparatus for preparing compressed gases. Re18,646; Nov. 22.
Heylandt, Christian W. P., Berlin-Sudende, Germany, assignor to Fluza Aktien-Gesellschaft, St. Moritz, Switzerland. Apparatus for preparing pressure gases. 1,866,514; July 5.
Heylandt, Christian W. P., Lankwitz, Germany, assignor to Fluza Aktien-Gesellschaft, St. Moritz, Switzerland. Method and apparatus for use in storing and transporting liquefied gases. 1,866,515; July 5.
Heylandt, Christian W. P., Berlin-Lankwitz, Germany, assignor to Flüga Aktiengesellschaft, St. Moritz, Switzerland. Conserving liquefied gases. 1,866,516; July 5.
Heylandt, Christian W. P., Berlin-Lankwitz, Germany, assignor to Flüga Aktiengesellschaft, St. Moritz, Switzerland. Transportation or pressure vessel for gases. 1,866,517; July 5.
Heyler, Charles J. (See Bradford, John B., assignor.)
Heyman, Albert A., Baltimore, Md. Baking ice cream cone. 1,851,578; Mar. 29.
Heyman, Horace W., Maplewood, N. J. Draft regulator. 1,869,964; Aug. 2.
Heyman, Joseph K., assignor to Reliance Manufacturing Company, Chicago, Ill. Clothing. 1,839,675; Jan. 5.
Heyman, Joseph K., and A. F. Wenzel, Michigan City, Ind., assignors to Reliance Manufacturing Company, Chicago, Ill. Men's apparel. 1,845,749; Feb. 16.
Heyman, Wilbert A., New York, N. Y. Packaging liquids. 1,842,969; Jan. 26.
Heymann, Bruno, San Francisco, Calif. Light projector. 1,847,482; Mar. 1.
Heymann, Bruno, San Francisco, Calif. Article of manufacture. 1,848,177; Mar. 8.
Heymann, George H., Louisville, Ky. Tooth paste. 1,863,116; June 14.
Heymann, Hans, and E. Lohr, assignor to the Firm: Carl Schenck, Eisengiesserei und Maschinenfabrik, G. m. b. H., Darmstadt, Germany. Conveying of material. 1,858,328; May 17.
Heymann, Max, Regents Park, London, England. Manufacturing metal tiles. 1,851,834; Mar. 29.
Heymer, Gerd, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Exposure-meter for photographic purposes. 1,846,486; Feb. 23.
Heymer, Gerd, Dessau-Zichigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Printing pictures of a lenticular film. 1,874,529; Aug. 30.
Heymer, Gerd, Dessau-Ziebick in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Printing color pictures. 1,879,236; Sept. 27.
Heymer, Gerd, Dessau-Zieblzk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Production of lenticular elements on films. 1,879,237; Sept. 27.
Heyna, Hans. (See Meissner, T., Heyna, and Fischer.)
Heyne, Hans. (See Binder, L., and Heyne.)
Heyner, Fritz. (See Kranckenberg, P., and Heyner.)
Heys George H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and heel covering and making the same. 1,889,245; Nov. 29.
Heywood Boot & Shoe Company. (See Bliss, Malcolm G., assignor.)
Heywood, Vincent E. and R. D. Hoagland, Worcester, assignors to United States Envelope Company, Springfield, Mass. Machine for making paper cups. 1,876,931; Sept. 13.
Heywood-Wakefield Company. (See Brown, Arthur C., assignor.)

Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)

Hezard, Louis, Paris, France, assignor to L. Trescartes, Essonnes, Seine-et-Oise, France. Shock absorber for motor vehicles. 1,850,876; Mar. 22.

Hiatt, John R., Indianapolis, and C. R. Wicker, Carmel, Ind. Process and apparatus for cleaning waste. 1,857,812; May 10.

Hiatt, Nathan H., Portland, Oreg. Fluid brake. 1,842,008; Jan. 26.

Hibbard, Frank H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Slow acting relay. 1,841,120; Jan. 12.

Hibbard, Frank H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 1,844,121; Feb. 9.

Hibbard, Frank H., Mountain Lakes, N. J., assignor to Electrical Research Products Inc., New York, N. Y. Method of and apparatus for measuring reverberation time. 1,869,196; July 26.

Hibbard, Richard J., et al. (See Duber, John A., assignor.)

Hibbard, Robert L., Bellevue, assignor of one-half to W. K. Stamets, Pittsburgh, Pa. Chuck. 1,844,577; Feb. 9.

Hibbard, Robert L., Bellevue, assignor of one-half to W. K. Stamets, Pittsburgh, Pa. Boring head. 1,861,498; June 7.

Hibberd, Frank H., jr. (See Monsch, Robert, and Monsch.)

Hibbs, Edwin G., and D. D. Miller, assignor to The Ney Manufacturing Company, Canton, Ohio. Stall construction. 1,839,513; Jan. 5.

Hibline, John E., Baltimore, Md. Applying trade marks directly to bulk materials. 1,846,518; Feb. 23.

Hice, Cornelius B., Humble, Tex. Protector. 1,857,304; May 10.

Hice, Sherman, Detroit, Mich., assignor, by mesne assignments, to Evans Products Company. Loading deck for automobiles. 1,889,736; Nov. 29.

Hicken, Elmer E., Collingswood, N. J. Tender tank. 1,869,255; July 26.

Hickey, Artemas S., Los Angeles, Calif. Smoker's pipe stem unit. 1,861,855; June 7.

Hickey, Charles M., San Francisco, Calif. Saw sharpening device. 1,846,331; Feb. 23.

Hickey, Daniel W., St. Paul, Minn. Pipe clamp. 1,848,527; Mar. 8.

Hickey, Daniel W., St. Paul, Minn. Pipe cutter. 1,852,412; Apr. 5.

Hickey, Daniel W., St. Paul, Minn. Pipe-cutting torch support. 1,852,413; Apr. 5.

Hickey, Henry J., et al. (See Clough, Alfred N., assignor.)

Hickey, John E., Fall River, Mass. Track aligning machine. 1,842,011; Jan. 26.

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Vehicle spring and shock absorber suspension. 1,892,405; Dec. 27.

Hickman, Charles V., and R. L. Jeffery, Seattle, Wash. Closures for collapsible tubes. 1,890,441; Dec. 6.

Hickman, Clarence W., Jackson Heights, assignor to American Piano Corporation, New York, N. Y. Piano key action. 1,866,707; July 12.

Hickman, George F., Newark, N. J., assignor to G. G. Brown Drill Co., 1,887,940; Nov. 15.

Hickman, John G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Handle assembly. 1,847,395; Mar. 1.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Film for sound and picture records. 1,849,231; Mar. 15.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film with sound track indication. 1,849,232; Mar. 15.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Vacuum pump. 1,857,506; May 10.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Evacuating. 1,857,508; May 10.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Conditioning photographic films. 1,861,916; June 7.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Recording manometer. 1,866,973; July 12.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Core for motion picture films. 1,880,448; Oct. 4.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Lubricating photographic film. 1,883,913; Oct. 25.

Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Treating photographic film and product thereof. 1,883,914; Oct. 25.

Hickman, Kenneth C. D., and W. J. Weyerts, assignors to Eastman Kodak Company, Rochester, N. Y. Separation of silver by electrolysis. 1,857,507; May 10.

Hickman,Kenneth C. D., and L. A. Smith, jr., assignors to Eastman Kodak Company, Rochester, N. Y. Tropochromic coating. 1,880,449; Oct. 4.

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Hickman, Kenneth C. D., C. R. Sanford, and W. J. Weyerts, assignors to Eastman Kodak Company, Rochester, N. Y. Processing apparatus for fixing photographic sheet material. 1,880,450; Oct. 4.

Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)

Hickman, William F. (See Gilmore, J. W., and Hickman.)

Hickman y Emperan, Edward, Sestao, Spain. Air alternator applicable to blast furnaces producing cast iron, smelting furnaces and the like. 1,880,536; Nov. 29.

Hickok, Eugene H., LeRoy, Minn. Seed holder. 1,880,136; Sept. 27.

Hickok, George F., Burlingame, Calif. Lubrication of pintle and hinge sections of pruning shears. 1,857,048; May 3.

Hickok, H. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)

Hickok Manufacturing Company. (See Hamilton, Harry A., assignor.)

Hickok Manufacturing Company. (See Johnson, Frederick D., assignor.)

Hickok Manufacturing Co. (See Mix, Edwin S., assignor.)

Hickok Manufacturing Company. (See Sachs, Morris, assignor.)

Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)

Hickok Manufacturing Co. (See Whitehouse, John R., assignor.)

Hickok, Noah A., Oakland, Calif. Automatic circuit breaker. 1,857,637; May 10.

Hickok, Robert D., Cleveland, assignor to The Magnetic Gauge Company, Akron, O. Electrical measuring instrument. 1,889,361; Nov. 29.

June 7.

Hickok, Robert D., and W. H. Rennick, Cleveland, Ohio. Measuring and recording instrument. 1,861,697; Hickok, Ross A., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Machine ruling pen. 1,850,931; Mar. 22.

Hickok, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)

Hickok, W. O., Manufacturing Company. (See Hickok, Ross A., assignor.)

Hicks, Calvin S., Durham, N. C. Tobacco mixture. 1,842,266; Jan. 19.

Hicks, Charles B. and W. G., Mechanicville, N. Y. Helicopter. 1,849,007; Mar. 8.

Hicks, Earl M. (See Batty, Bernard R., assignor.)

Hicks, Earl M., Lebanon, Ind. Stop signal. 1,864,018; Jun 21.

Hicks, Earl M., Lebanon, Ind. Air cleaner and humidifier. 1,888,001; Nov. 15.

Hicks, Frederick W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Evaporator. 1,891,538; Dec. 20.

Hicks, Harlie H., assignor to General Motors Corporation, Detroit, Mich. Hood antisqueak device. 1,847,962; Mar. 1.

Hicks, Harold A. (See Reed, R. A., and Hicks.)

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. Des. 87,062; May 31.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,840,901; Jan. 12.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,840,902; Jan. 12.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,850,011; Mar. 15.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,850,012; Mar. 15.

Hicks, Harold A. Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane ignition system. 1,862,116; June 7.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane windshield. 1,862,145; June 7.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Engine cowling. 1,862,144; June 7.

Hicks, Harold A., Detroit, Mich., and H. L. Van Alstyne, Watertown, N. Y., assignors to Ford Motor Company, Dearborn, Mich. Airplane landing gear. 1,840,900; Jan. 12.

Hicks, Helen C., Webster Groves, assignor to Sefton National Fibre Can Co., Maplewood, Mo. Paper bodied cans. 1,876,932; Sept. 13.

Hicks, J. N., et al. (See Patterson, Edgar W., assignor.)

Hicks, John J., Monolith, Calif. Tubing coupling. 1,839,676; Jan. 5.

Hicks, John K., El Paso, Tex. Boy's pants. Des. 86,602; Mar. 29.

Hicks, John N., Los Angeles, and C. Severns, Long Beach, Calif. Oil saver. 1,865,007; June 28.

Hicks, Linzy, Lexington, Ky. Making chilled food products. 1,869,810; Aug. 2.

Hicks, Norman W., Sacramento, Calif. Binder. 1,889,095; Nov. 29.

Hicks, Phillip V. and T. N., Winona, Minn. Screen attachment for automobile windows. 1,854,138; Apr. 12.

Hicks, Robert J., Rochester, N. Y. Necktie or other article holder. 1,891,310; Dec. 20.

Hicks, Tom N. (See Hicks, Phillip V. and T. N.)

Hicks, William G. (See Hicks, Charles E. and W. G.)

Hicks, William P., Webster Groves, assignor to Sefton National Fibre Can Co., Maplewood, Mo. Container. 1,857,021; May 3.

Hicks, William W., assignor to Wesix National Company, San Francisco, Calif. Electrical heating device. 1,878,140; Sept. 20.

Hicks, William W., assignor to Wesix National Company, San Francisco, Calif. Air heater. 1,878,701; Sept. 20.

Hidde, Albert, Maplewood, N. J., assignor to H. Boker & Co., Inc., New York, N. Y. Grass shears. 1,841,121; Jan. 12.

Hidde Nijland, Hendrik A., Zeist, assignor to Naamlooze Vennootschap Electro-Apparaten-Fabrieken System Cog, Utrecht, Netherlands. Apparatus for indicating the presence of potential or current in a cable or other metallic conductor. 1,867,944; July 19.

Hide-Away Screen Company. (See Nordmarken, Alfred G., assignor.)

Hidlebaugh, William H., Electra, Tex. Train line coupler. 1,879,238; Sept. 27.

Hidnert, Peter, New York, N. Y., assignor to the Government of the United States, as represented by the Secretary of Commerce. Low expanding alloy. 1,880,200; Oct. 4.

Hieber, Karl V., Graz, Austria. Scale bearing. 1,885,721; Nov. 1.

Hieger, Robert H. (See Carlston, W. S., and Hieger.)

Hiering, William C., Wyoming, assignor to The J. E. Mergott Company, Newark, N. J. Hand bag frame. Des. 38,735; Dec. 20.

Hiergesell, David, et al. (See Hiergesell, David, assignor.)

Hiergesell, David, Richmond Hill, assignor to V. Hiergesell and D. Stuart, copying, doing business as Wm. Hiergesell & Sons, New York, N. W. Hydrometer. 1,882,321; Oct. 11.

Hiergesell, Valentine, et al. (See Hiergesell, David, assignor.)

Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J., to finance payment. 1,843,357; Feb. 2.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Key case. 1,843,923; Feb. 9.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Combined desk paperweight, calendar, and blotter. 1,854,585; Apr. 19.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Cigarette case. 1,859,772; May 24.

Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J., to dispatch bag frame. 1,859,773; May 24.

Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Attachment for holding cigarette cases 1,868,107; July 19.

Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag frame fastener. 1,868,501; July 26.

Hiering, William C., assignor to J. E. Mergott Co., Newark N. J. Bag frame. 1,872,950; Aug. 23.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag fastener. 1,874,907; Aug. 30.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag fastener. 1,874,998; Aug. 30.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag hand. 1,874,999; Aug. 30.

Hiller, John H., et al. (See Cuthbertson, John S., assignor.)

Hiebee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Trailer. 1,855,227; Apr. 26.

Higbee, James F., and K. M. Byron, assignors to S. A. Griggs, Detroit, Mich. Trailer steering mechanism. 1,855,238; Apr. 26.

Higbee, Ray P., Germantown, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,841,601; Jan. 19.

Higbee, Ray P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic elevator control system. 1,870,410; Aug. 9.

Higbee, Ray P., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,871,939; Aug. 23.

Higbee, Ray P., Germantown, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,891,710; Dec. 20.

Higby, Frank M., Wickham, assignor to Chrysler Corporation, Detroit, Mich. Drill chuck. 1,867,359; July 12.

Higby, Willis O., West Leyden, N. Y. Sign. 1,842,474; Jan. 26.

Higerd, Floyd A. (See Kuerschner, W., and Higerd.)

Higgin Manufacturing Company, The. (See Lamping, Harry, assignor.)

Higgin Manufacturing Company, The. (See Rudolph, Joel F., assignor.)

Higgin Manufacturing Company, The. (See Traut, Clifford, assignor.)

Higginbotham, Luther J., Dallas, Tex. Universal camera stand. 1,855,964; Apr. 26.

Higginbotham, Samuel H., Alhambra, Calif. Combination tool. Des. 86,718. Apr. 12.

Higginbotham, Willis, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Electrical condenser. 1,850,105; Mar. 29.

Higgins, Clark E., Barre Highlands, Mass. Dumping land vehicle. 1,881,022; Oct. 4.

Higgins, Dana D., assignor to Associated Engineers Company, Chicago, Ill. Mechanical time drift recorder. 1,851,835; Mar. 29.

Higgins, James, and J. L. Schultz, Jackson, Mich. Valve structure. 1,886,677; Nov. 8.

Higgins, John C., San Diego, Calif. Air and vacuum relief valve for pipe lines. 1,873,403; Aug. 23.

Higgins, John C., San Diego, Calif. Air relief valve for pipe lines. 1,877,400; Sept. 13.

Higgins, John C., San Diego, Calif. Air valve structure for pipe lines. 1,885,348; Nov. 1.

Higgins, John R., Mount Vernon, N. Y. Tag holder for textile fabrics. 1,867,152; July 12.

Higgins, Joseph C., Chicago, Ill. Window structure. 1,841,124; Jan. 12.

Higgins, Mark F. (See Nyborg, Tage G., assignor.)

Higgins, Mark F. (See Nyborg, T. G., and Higgins.)

Higgins, Mark F. (See Nyborg, Tage G., assignor.)

Higgins, Sigfried, (See Swan, H., and Higgins.)

Higginson, Percy. (See Keller, J. L., and Higginson.)

Higgs, Roy M., Cleveland, Ohio. Table top. 1,871,884; Aug. 16.

High, Andrew, Detroit, Mich. Terminal connecter and support for line wires. 1,857,956; May 10.

High, Jurjen S. (See Cole, G. H., and High.)

High, Jurjen S., Oakley, assignor to Westinghouse Electric & Manufacturing Company. Loud speaker. 1,877,868; Sept. 20.

Highberg, Carle J. (See Heald, R. N., Taylor, Quimby, and Highberg.)

Highberg, Carle J., assignor to The Heald Machine Company, Worcester, Mass. Work handling mechanism for grinding machines and the like. 1,840,841; Jan. 12.

Highberg, George A. (See Sloan, H. E., and Highberg.)

Highfield, Frank W., Coventry, England. Testing means. 1,841,892; Jan. 19.

Highland Body Manufacturing Company, The. (See Morrison, James, assignor.)

Highland Western Glass Company. (See Morton, W. A., and Paxton, assignor.)

Highland-Western Glass Company. (See Paxton, E. W., and Schmid, assignors.)

Highland-Western Glass Company. (See Paxton, Henry D., assignor.)

Highleyman, James W. (See Blunt, James G., assignor.)

Highleyman, James W., Omaha, Nebr. Locomotive crosshead. 1,841,478; Jan. 19.

Highleyman, James W., Porterlo, Idaho, assignor of one-half to James G. Blunt, Schenectady, N. Y. Cross head guide for engines. 1,868,205; July 19.

Highmark, Joseph H., Duluth, Minn. Earth testing instrument. 1,862,339; June 7.

High Speed Hammer Co. Inc. (See Rockenfield, William A., assignor.)

Hightower, Albert W., Fresno, Calif. Wire splicing machine. 1,887,375; Nov. 8.

Highway Trailer Company. (See Davis, Durrel H., assignor.)

Highway Trailer Company. (See Davis, D. H., and Hathorn, assignors.)

Highway Trailer Company. (See Erdahl, Nicholai M., assignor.)

Highway Trailer Company. (See Hathorn, Elmer F., assignor.)

Highway Trailer Company. (See Helms, Harry W., assignor.)

Highway Trailer Company. (See Menhall, James W., assignor.)

Highway Trailer Company. (See Williams, Leroy E., assignor.)

Higley, Frank R. (See Armington, A. P., and Higley.)

Higson, J. Ernest. (See Curtis, Homer P., assignor.)

Higson, Percy R. (See Larsson, C. A., and Higson.)

Higuchi, Shokichi. (See Shiomi, T., and Higuchi.)

Hikasa, Yuichi, Akasaka-ku, Tokyo, Japan. Wire mesh cutting. 1,844,655; Feb. 9.

Hike, William M., Omaha, and W. J. B Kast, Bellevue, Nebr. Direction indicator for automobiles. 1,860,179; May 24.

Hilbert, Otto F., assignor to Artloom Corporation, Philadelphia, Pa. Warp printing apparatus. 1,845,414; Feb. 16.

Hilcken, Valentin. (See Bernhard, E., and Hilcken.)

Hild, Frederic W., Los Angeles, Calif. Single motor drive. 1,873,404; Aug. 23.

Hild, Frederic W., Los Angeles, Calif. Rotary drilling apparatus. 1,878,111; Sept. 20.

Hild, William F., East Rutherford, N. J. Lock socket. 1,889,804; Dec. 6.

Hild, William J., Pekin, Ill. Sickle guard and bar. 1,877,869; Sept. 20.

Hildebrand, Axel G., Brooklyn, N. Y. Ejector package. 1,891,817; Dec. 20.

Hildebrand, David A., Oakland, Calif. Built-in table. 1,877,401; Sept. 13.

Hildebrand, Elbert L., Charles City, assignor of one-fourth to E. Kammeyer and one-fourth to W. J. Hildebrand, Greene, Iowa. Lock for automobile and other doors. 1,848,528; Mar. 8.

Hildebrand, Ewald. (See Hildebrand, W. and E.)

Hildebrand, Reinhard, Webster Groves, Mo. Lead control for Diesel engines. 1,871,268; Aug. 9.

Hildebrand, Walter J., et al. (See Hildebrand, Elbert L., assignor.)

Hildebrand, Wilhelm and E. Unna, Germany. Plowing machine. 1,855,965; Apr. 26.

Hildebrandt, Ernest A., and C. A. Martin, Indianapolis, Ind. Grease cellar end gate. 1,852,304; Apr. 5.

Hildebrandt, Henry F. (See Albaugh, E., and Hildebrandt.)

Hildebrandt, Hiram H., assignor to The John J. Hildebrandt Co., Logansport, Ind. Lure attaching means. 1,867,555; July 19.

Hildebrandt, John J., Co., The. (See Hildebrandt, Hiram H., assignor.)

Hildebrandt, William H. (See Jenkins, U. S., Ranstead, and Hildebrandt.)

Hildenbrand, Emil. (See Kummerle, A., and Hildenbrand.)

Hilditch, Thomas P., Grappenhall, and H. J. Wheaton, Lower Walton, near Warrington, England, assignors, by mesne assignments, to American Douci Company, Philadelphia, Pa. Manufacture and production of base-exchanging compounds. 1,848,127; Mar. 8.

Hilditch, Thomas P., Hildenfield, and H. J. Wheaton, Hale, England, assignors to American Douci Company, Philadelphia, Pa. Manufacture and production of base-exchanging compounds. 1,879,239; Sept. 27.

Hildorf, Walter G., and H. G. McIntosh, assignors to Reo Motor Car Company, Lansing, Mich. Chromium plating crank shafts. 1,861,272; May 31.

Hile, Leslie M., Benton Harbor, Mich. Basket handle machine. 1,885,599; Nov. 1.

Hiler, Edward E., Bloomfield, N. J. Multistage audio amplification system. 1,876,674; Sept. 13.

Hiler, Edward E. Bloomfield, N. J. Audio amplification system. 1,876,675; Sept. 13.

Hiler, Lewis E., Rye, N. Y. Textile fabric. Des. 86,228; Feb. 16.

Hiler, Lewis E., Rye, N. Y. Textile fabric. Des. 86,229; Feb. 16.

Hiler, Lewis E., Rye, N. Y. Textile fabric. Des. 86,311; Feb. 23.

Hiler, Lewis E., Rye, N. Y. Textile fabric. Des. 86,312; Feb. 23.

Hiler, Lewis E., Rye, N. Y. Textile fabric. Des. 86,568; Mar. 22.

Hiler, Lewis E., Rye, N. Y. Textile fabric. Des. 86,569; Mar. 22.

Hilgenberg, Carl G., et al. (See Eckert, Fritz, assignor.)

Hilgenberg, Carl G., assignor to Carl-Lowrey Glass Co., Baltimore, Md. Glass container. 1,866,770; July 12.

Hilgenberg, Henry, assignor to Neon Electric Sign Co., Chicago, Ill. Electrode for neon tubes. 1,886,186; Nov. 1.

Hilgenberg, Ludwig R., Leipzig-Marienhohe, Germany. Top for vehicles. 1,882,360; Oct. 11.

Hilger, Adam, Limited. (See Dowell, John H., assignor.)

Hilger, Adam, Limited. (See Twyman, Frank, assignor.)

Hilger, George, of Chicago, Ill. Multiple pressure refrigeration system. 1,844,161; Feb. 9.

Hilger, George, Chicago, Ill. Air conditioning system. 1,861,156; May 31.

Hilger, George, Chicago, Ill. Refrigerating system. 1,882,596; Oct. 11.

Hilger, George, Chicago, Ill. Refrigerating system. 1,882,597; Oct. 11.

Hilger, George, Chicago, Ill. Refrigerating system. 1,889,917; Dec. 6.

Hilger, George, Chicago, Ill. Refrigerating system. 1,889,988; Dec. 6.

Hilger, Josef. (See Hentrich, W., Hardtmann, Hilger, and Knoche.)

Hilger, Josef. (See Hentrich, W., Hardtmann, Hilger, and Zerweck.)

Hilger, Josef. (See Hentrich, W., and Hilzer.)

Hilger, Josef. (See Hentrich, W., Hilger, and Knoche.)

Hilger, Josef, and Hentrich, W., Hilger, and Stroebel.)

Hilger, Josef, and K. Wiedemann, Cologne-Mulheim-on-the-Rhine, Germany, assignors to General Asphalt Works, Inc., New York, N. Y. Azo dyestuffs. 1,879,240; Sept. 27.

Hilgers, John, Binghamton, N. Y. Protective device for tables. 1,878,850; Sept. 20.

Hilgers Nino, Berlin-Westend, Germany, assignor to General Electric Company. Avoiding damage through moisture in the low pressure part of steam turbines. 1,864,352; June 21.

Hilgers, Wilhelm, Dusseldorf, Germany. Machine for illuminating, sorting, and stamping eggs. 1,875,811; Sept. 6.

Hilker, Heinrich, Viersen, Germany. Fluff removal device for looms. 1,850,592; Mar. 22.

Hill, Albert, Stourbridge, England. Apparatus for drying and airing gloves. 1,865,103; June 28.

Hill, Benjamen L., South Bend, Ind. Striping pencil. 1,868,416; July 19.

Hill, C. L., jr. (See Burris, Richard M., assignor.)

Hill, C. V. & Co. (See Hill, Clement V., assignor.)

Hill, C. V., & Co. (See Morley, Louis W., assignor.)

Hill, Charles, Springfield, Colo. Lister plow. Re18,348; Feb. 2.

Hill, Charles H., Schenectady, N. Y., assignor to General Electric Company. Electric switching apparatus. 1,859,088; May 17.

Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electrical apparatus. 1,859,260; May 17.

Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electrical switchgear. 1,870,047; Aug. 2.

Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Lighting attachment for refrigerator display cases. 1,847,562; Mar. 1.

Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Refrigerator show case. 1,857,545; May 10.

Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Refrigerator show case. 1,859,826; May 24.

Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Refrigerator display case door. 1,867,074; July 12.

Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Defrosting device for refrigerating cases. 1,890,085; Dec. 6.

Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)

Hill, Curtiss L., assignor of one-half to R. Clayton McRae, Tacoma, Wash. Compass control system. 1,885,098; Oct. 25.

Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Wafer shield for thermostatically controlled oil brooders. 1,868,978; July 26.

Hill, Dewey H., assignor to Globe American Corporation, Kokomo, Ind. Thermostatically controlled fluid valve. 1,873,124; Aug. 23.

Hill, Dewey H., and G. Robinson, Macomb, Ill., assignors, by mesne assignments, to Globe American Corporation, Kokomo, Ind. Oil burner. 1,855,793; Apr. 26.

Hill, E. G., Company. (See Mann, Earl H., assignor.)

Hill, Earl V., Chicago, Ill. Air conditioning unit. Des. 87,496; July 26.

Hill, Earl V., Chicago, Ill. Air treating apparatus. 1,866,650; July 12.

Hill, Earl V., Chicago, Ill. Water cooling system. 1,875,305; Aug. 30.

Hill, Earl V., Chicago, Ill. Refrigerating unit. 1,888,950; Nov. 22.

Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary pump. 1,863,375; June 14.

Hill, Edward E., Forest Hills, N. Y., assignor of thirty per cent to A. F. Lochendorfer, Hoboken, N. J., and thirty per cent to L. F. Falkenstein, Flushing, N. Y. Tester for short hour meters and the like. 1,857,593; May 10.

Hill, Edward G., and H. W. Hey, assignors to Hill Engineering Corporation, Richmond, Va. Clutch operating device for motor vehicles. 1,881,188; Oct. 4.

Hill, Edward M., Brookline, assignor to Whiting-Adams Company, Boston, Mass. Making a brush. 1,872,037; Aug. 16.

Hill Engineering Corporation. (See Hill, E. G., and Hey, assignors.)

Hill, Ernest E., assignor to Rite-Rite Mfg. Co., Chicago, Ill. Clip for pencils. 1,862,822; June 14.

Hill, Frank E., administrator. (See Nelson, Harry E.)

Hill, Frank F., assignor to Union Oil Company of California, Los Angeles, Calif. Subcirculation for oil well drilling. 1,867,832; July 19.

Hill, Frank F., assignor to Union Oil Company of California, Los Angeles, Calif. Subcirculation oil well drilling apparatus with suction pumping. 1,867,833; July 19.

Hill, Frederic W. (See Page, R. W., and Hill.)

Hill, Frederick, Urmston, England. Apparatus for use in washing animal offals. 1,881,135; June 21.

Hill, Frederick, Urmston, England. Washing apparatus. 1,876,676; Sept. 13.

Hill, Frederick A., Ealing, London, England. Liquid composition for preserving materials, particularly timber. 1,890,220; Dec. 6.

Hill, Geoffrey, T. R. (See Bruce, R. A., Hill, and Ratcliffe.)

Hill, Geoffrey T. R., Yeovil, assignor to Petters Limited, Yeovil, Somerset, England. Air brakes for aircraft. 1,851,907; Mar. 29.

Hill, Geoffrey Terence Roland, Yeovil, assignor to Petters Limited, Yeovil, Somerset, England. Adjusting wings of aircraft. 1,868,417; July 19.

Hill, Glenn G., assignor to The Electrodor Company, Detroit, Mich. Trend switch. 1,889,602; Nov. 29.

Hill, Griffith E. (See Hill, Thomas A., assignor.)

Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens. 1,865,691. July 5.

Hill, Hermann, Detroit, Mich., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 1,869,745; Aug. 2.

Hill, Hubert E., Memphis, Tenn. Tool. 1,852,521; Apr. 5.

Hill, Independent Manufacturing Company. (See Smallman, Harry, assignor.)

Hill, James. (See Baddiley, J., and Hill.)

Hill, James F., and G. W. Trontman, assignors to Avery Power Machinery Company, Peoria, Ill. Thrasher and cylinder grate therefor. 1,844,091; Feb. 9.

Hill, Jesse K., Atlanta, Ga. Brick mason's level. 1,855,394; Apr. 26.

Hill, John W., assignor of one-half to F. A. Parsons, Milwaukee, Wis. Refrigerated container. 1,879,241; Sept. 27.

Hill, Joseph, Jersey City, N. J. Spirit level. 1,842,172; Jan. 19.

Hill, Joseph B., assignor to The Atlantic Refining Company, Philadelphia, Pa. Oil distilling system. 1,842,756; Jan. 26.

Hill, Joseph B., Philadelphia, Pa., assignor to The Barrett Company. Producing sulphonic acids. 1,848,883; Mar. 8.

Hill, Joseph B., Wynnewood, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of oils. 1,853,374; Oct. 18.

Hill, Joseph H., Company, The. (See Catron, Robert L., assignor.)

Hill, June H., assignor to Hill-Standard Co., Anderson, Ind. See-saw board. 1,847,090; Mar. 1.

Hill, Landon, and J. D. Hobby, Raleigh, N. C. Reconditioning printing plates. 1,854,685; Oct. 25.

Hill, Leland H., Collingswood, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tap-changing system and apparatus for transformers. 1,861,217; May 31.

Hill, Leland H., Collingswood, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Air blast equipment for oil-immersed transformers. 1,873,971; Aug. 30.

Hill, Leland H., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flow indicator. 1,869,811; Aug. 2.

Hill, Lester S. (See Welsner, L., and Hill.)

Hill, Mabel, San Francisco, Calif. Ship's fender. 1,852,240; Apr. 5.

Hill, Milton C., Charlottesville, Va. Caster construction. 1,861,919; June 7.

Hill, N. N., Brass Company, The. (See Wood, William C., assignor.)

Hill, Reuben L., assignor to Utah State Agricultural College, Logan, Utah. Determining the physical curd character of milk. 1,840,392; Jan. 12.

Hill, Mendall, Menasha, Wis., assignor to The Menasha Products Company, Chicago, Ill. Offset locking tab for cartons. 1,842,755; Jan. 26.

Hill, Robert, Aylmer, Quebec, Canada. Method and apparatus for sorting and distributing mail and the like. 1,851,958; Mar. 29.

Hill, Robert, Oakland, Calif. Rudder post attachment. 1,858,046; May 10.

Hill, Roger B., assignor to Brown Company, Berlin, N. H. Artificial leather manufacture. 1,870,967; Aug. 9.

Hill, Roger B., Berlin, N. H., and J. A. Fogarty, Portland, Me., assignors to Brown Company, Berlin, N. H. Treatment of artificial leather sheetings and product of same. 1,862,749; June 14.

Hill, Roger M., Washington, D. C. Electrophonic sound reproduction. 1,865,565; July 5.

Hill, Roscoe, Hamilton, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Knitting machine. 1,869,147; July 26.

Hill, Rowland, and B. E. Walker, Blackley, Manchester, England. Resinous composition and making same. 1,877,130; Sept. 13.

Hill, Rowland M., Milwaukee, Wis. Variable pitch propeller. 1,879,935; Sept. 27.

Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Del. Black blasting powder. 1,845,663; Feb. 16.

Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Del. Blasting powder and manufacturing same. 1,845,664; Feb. 16.

Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Delaware. Blasting powder and manufacturing the same. 1,850,106; Mar. 22.

Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Del. Waterproof cartridging for explosives. 1,864,905; June 28.

Hill-Standard Co. (See Hill, June H., assignor.)

Hill, Thomas A., assignor to G. E. Hill, New York, N. Y. Oven. 1,851,182; Mar. 29.

Hill, Thomas A., Manhattan Beach, assignor to G. E. Hill, New York, N. Y. Oven. 1,851,183; Mar. 29.

Hill, Walter M., Hudson, assignor, by direct and mesne assignments, to J. D. Canary, Littleton, Colo. Grinding mill. 1,878,416; Sept. 6.

Hill, Walter P. (See Koehler, G., jr., and Hill.)

Hill, Warren C., Evansville, Ind. Radio toning device. 1,850,357; July 19.

Hill, William B., Los Angeles, Calif. Glass cutting machine. 1,839,759; Jan. 5.

Hill, William E. (See Frederick, R. E., and Hill.)

Hill, William H. (See Rose, H. J., and Hill.)

Hill, William H., Arlington, N. J., assignor to The Koppers Company of Delaware. Composition of matter and process of preparing the same. 1,875,458; Sept. 6.

Hill, William L. (See Stewart, J. R., and Hill.)

Hille, Alwin. (See Beutner, R., and Hille.)

Hillebrand, Hermann, Berlin, Germany. Producing water gas from pulverized coal and steam. 1,873,941; Aug. 23.

Hiller, Paul W., Wilmington, Calif. Ship refrigeration. 1,881,091; Oct. 4.

Hiller, Stanley, Berkeley, assignor to Stanley Hiller Incorporated, San Francisco, Calif. Fish oil extraction. 1,840,715; Jan. 12.

Hiller, Stanley, Incorporated. (See Hiller, Stanley, assignor.)

Hilleman, William C., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,000; Aug. 30.

Hillery, George A., New Orleans, La. Cooling mechanism. 1,845,750; Feb. 16.

Hillhouse, Charles B., New York, N. Y. Utilizing free oxygen in the production of cement and iron. 1,842,609; Jan. 26.

Hillhouse, Charles B., New York, N. Y. Burning low-volatile carbonaceous material. 1,852,968; Apr. 5.

Hillhouse, Charles B., New York, N. Y. Dissociating natural gas. 1,892,559; Dec. 27.

Hilliard, Grant U., Youngstown, Ohio. Combined support and pickling rack. 1,883,375; Oct. 18.

Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Fluid level system for circuit breakers. 1,844,656; Feb. 9

Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,854,990; Apr. 19.

Hilliard, John D., Glens Falls, N. Y., assignor to General Electric Company. Arc extinguishing fluid. 1,846,868; Feb. 23.

Hillier, Gerald O., Berkeley, assignor to Oliver United Filters Inc., San Francisco, Calif. Filter. 1,892,306; Dec. 27.

Hillman, Francis T. (See Elliott, James A., assignor.)

Hillmer, Herman H., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Strip paper sealer. 1,858,207; May 10.

Hills, Alfred J., Abilene, Kans. Steering gear. 1,891,818; Dec. 20.

Hills Brothers Company. (See Cordy, Ivor, assignor.)

Hills Brothers Company, The. (See Fellers, Carl R., assignor.)

Hills, Charles P. (See Frambach, M. J., and Hills.)

Hills, Ernest E., Oshkosh, Wis. Frame for heated double glass windshields. 1,856,132; May 3.

Hills, Horace G., Cheadle Hulme, Cheshire, England. Exhaust silencer. 1,847,830; Mar. 1.

Hills, John H., Grand Rapids, Mich., assignor to Brousman Mfg. Co. Vacuum relief valve. 1,890,152; Dec. 6.

Hills-McCanna Company. (See Anderson, Harry J., assignor.)

Hills-McCanna Company. (See Buenger, Clarence O., assignor.)

Hillyard, Newton S., St. Joseph, Mo. Book cover. Des. 87,244; Aug. 9.

Hillyard, Newton S., St. Joseph, Mo. Manacle. 1,881,577; Oct. 11.

Hilpert, Merton C., assignor to General Box Company, Chicago, Ill. Box construction. 1,845,086; Feb. 16.

Hilpert, Meier G., Bethlehem, Pa. Turntable center. 1,850,201; Oct. 2.

Hilpert, Meier G., Bethlehem, Pa. Metal piling. 1,884,686; Oct. 25.

Hilpert, Meier G., Bethlehem, Pa. Structural span. 1,884,687; Oct. 25.

Hilpert, Meier G., Bethlehem, Pa. Truck supported load carrying structure. 1,884,688; Oct. 25.

Hilpert, Meier G., Bethlehem, Pa., Aligning the truck axles and of assembling truck supported load carrying structures. 1,884,689; Oct. 25.

Hilpert, Meier G., and C. Weiss, Bethlehem, Pa. Building construction. 1,883,376; Oct. 18.

Hilpman, John H. (See Burt, H. A., and Hilpman.)

Hilpman, John H., Rolfe, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,886,099; Nov. 1.

Hilpman, John H., Rolfe, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,891,158; Dec. 13.

Hilscher, Curt, Chemnitz, Germany. Jacquard-designmechanism for flat knitting machines. 1,858,777; May 17.

Hilscher, Curt, Chemnitz, Germany. Thread tensioning device. 1,874,011; Aug. 30.

Hilscher, Curt, Chemnitz, Germany. Knock-over bit apparatus. 1,876,417; Sept. 6.

Hiltebrandt, Carl, assignor to Dr. Hiltebrandt Zahnfabrik Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Artificial teeth. 1,878,517; Sept. 20.

Hiltebrandt, Dr. Zahnfabrik Aktiengesellschaft. (See Hiltebrandt, Carl, assignor.)

Hilton, Calvin E., Hamburg, Iowa. Sanitary pivoted roost structure. 1,873,584; Aug. 23.

Hilton, Grover C., Hutchinson, Kans. Display case. Des. 87,922; Oct. 11.

Hilton, Herbert W., Racine, Wis. Leveling instrument. 1,861,762; Feb. 9.

Hilton, John, Dublin County, Ireland. Spring cushioned upholstery. 1,880,137; Sept. 27.

Hilton, Lewis D. (See Dean, C. L., and Hilton.)

Hilton, Seaverns W., Weld, Me., assignor to Interwoven Stocking Company, New Brunswick, N. J. Display stand. Des. 87,633; Aug. 23.

Hilton, Seaverns W., Weld, Me., assignor to Interwoven Stocking Company, New Brunswick, N. J. Display stand. Des. 87,634; Aug. 23.

Hilton, Seaverns W., Weld Me., assignor to Interwoven Stocking Company, New Brunswick, N. J. Display stand. Des. 87,635; Aug. 23.

Hilts, George S., Brooklyn, N. Y., and W. F. Purcell, Hoboken, N. J., assignors to Stock Quotation Telegraph Company, New York, N. Y. Automatic ticker transmission. 1,845,875; Feb. 16.

Hiltz, Reginald, Brookline, Mass. Reversible jaw combination wrench. 1,874,751; Aug. 30.

Hilwig, Edward, Clarks Green, Pa. Bearing grinder. 1,839,557 ; Jan. 5.
Himle, N. E. (See Avilla, Philip, assignor.)
Himmel Brothers Company, The. (See Himmel, Fred and I., assignors.)
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Door for shower cabinets. 1,844,361 ; Feb. 9.
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Store-front construction. 1,849,524 ; Mar. 15.
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Store-front construction. 1,849,525 ; Mar. 15.
Himmel, Isidore. (See Himmel, Fred and I.)
Himmelberger, William H., assignor to Lansing Company, Lansing, Mich. Trailer coupling. 1,891,711 ; Dec. 20.
Hinchcliff, Henry A., College Point, N. Y. Tobacco stripping and feeding machine. 1,841,531 ; Jan. 19.
Hinchcliffe, William, Higher Bebington, and J. Scott, Boochcliffe, England, assignors to Associated Electrical Industries Limited, Marine engine and ship's propelling machinery. 1,865,909 ; July 5.
Hincher Paper Box Co. (See Cunningham, Raymond C., assignor.)
Hinchley, John W., London, England, assignor to The African Tin Recovery Company, Limited, Port Elizabeth, South Africa. Recovery of tin from scrap tinned plate and like tin-carrying material. 1,858,669 ; May 17.
Hinchliff, Edward C., assignor to Burson Knitting Company, Rockford, Ill. Elastic yarn and making. 1,860,030 ; May 24.
Hinchman, Alva K., Gloucester, N. J. Centrifugal variable resistance governor. 1,852,054 ; Dec. 27.
Hinchman, Charles R., Haverford Township, Delaware County, Pa. Detergent. 1,839,653 ; Nov. 29.
Hinckley, Arthur T. (See Brodwell, B. E., and Hinckley.)
Hinckley, Frank C., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph. 1,853,210 ; Apr. 12.
Hinckley, Frank C., and J. J. Hudson, Stratford, assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Diaphragm. 1,844,657 ; Feb. 9.
Hinckley-Myers Company. (See Holton, George E., assignor.)
Hinckley-Myers Company. (See Thoman, C. J., and Westcott, assignors.)
Hind, Bert S., and W. F. Bell, Potrerillos, Chile. Automatic converter operating device. 1,883,317 ; Nov. 22.
Hind, Robert R., Manila, P. I. Cane knife. 1,855,882 ; Apr. 26.
Hindahl, David. (See Hart, H. S., and Hindahl.)
Hindahl, David, assignor to Kodiak Boat Car Company, Chicago, Ill. Dump car. 1,872,451 ; Aug. 16.
Hindall, Clarence D., Ada, Ohio, assignor of one-fourth to The Phillip Carey Manufacturing Company. Mechanical device for laying cloth or paper roof coverings. 1,853,001 ; Apr. 5.
Hinde, Charles, Long Beach, Calif. Disposing of acid waste. 1,855,674 ; Apr. 26.
Hinde & Dauch Paper Company, The. (See Drewsen, Pierre, assignor.)
Hinde & Dauch Paper Company, The. (See Gagen, Thomas H., assignor.)
Hinderer, Louis C. and W. F., Kankakee, Ill. Automatic window lock. 1,879,408 ; Jan. 12.
Hinderer, Louis C., and W. F. Hinderer, Kankakee, Ill. Push button window lock. 1,877,177 ; Sept. 13.
Hinderer, Walter E. (See Hinderer, Louis C. and W. F.)
Hinderliter, Frank J., Tulsa, Okla. Method of and rotary socket for fishing objects from wells. 1,858,500 ; May 17.
Hinderliter, Frank J., Tulsa, Okla. Apparatus for cementing well casings. 1,858,501 ; May 17.
Hinderliter, Frank J., assignor to Hinderliter Tool Company, Tulsa, Okla. Drill collar. 1,848,128 ; Mar. 8.
Hinderliter Tool Company. (See Hinderliter, Frank J., assignor.)
Hinderliter Tool Company. (See Mildren, Lory J., assignor.)
Hindes, Howard W., assignor to The Washburn Company, Worcester, Mass. Soap holder. 1,840,096 ; Jan. 5.
Hindle, Joseph, Accrington, England. Braking spindles employed in ring spinning frames, or in other frames in which similarly braked spindles are used. 1,882,144 ; Oct. 4.
Hinds, A. S., Co. (See Gesell, Willam H., assignor.)
Hinds, Jackson C., Houston, Tex. Apparatus for operating stamping machines. 1,881,578 ; Oct. 11.
Hinds, Sherwood, St. Louis, Mo. Dispensing device. 1,843,674 ; Feb. 2.
Hineline, Edson S. (See Petit, W. H., and Hineline.)
Hiner, Edward, Los Angeles, Calif. Fingerpiece for wind musical instruments. 1,852,749 ; Apr. 5.
Hines, Birney B. (See Mattingly, H. W., and Hines.)
Hines, Francis J., Brooklyn, N. Y. Electrical receptacle. 1,852,459 ; Apr. 5.
Hines, James F., Lakewood, Ohio. Flask. 1,863,404 ; June 14.
Hines, John E., Swampscott, Mass., assignor to Bakers Service Bureau, Inc., New York, N. Y. Display carton. 1,866,211 ; July 5.
Hines, Margaret E., et al. (See Hines, Martin, assignor.)
Hines, Martin, assignor of one-fourth to M. J. Ward, A. F. Purser, and one-fourth to M. E. Hines, Brooklyn, N. Y. Combination flying machine and airship. 1,869,256 ; July 26.
Hines, Paul R., Parma Village, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Manufacture of chromium trioxide. 1,872,588 ; Aug. 16.
Hines, Paul R., Elyria, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Preparation of chromium trioxide. 1,873,889 ; Aug. 23.
Hines, William, Washington, D. C. Line, column, and word indicator. 1,864,730 ; June 28.
Hinger, Henry. (See Ehlers, George R., assignor.)
Hinger, John A., Cleveland, Ohio. Control mechanism for presses and the like. 1,844,935 ; Feb. 16.
Hinger, John A., East Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Guard for presses. 1,853,426 ; Apr. 12.
Hingley, Thomas P., London, England. Tube coupling. 1,857,022 ; May 3.
Hingst, Georg. (See Hagedorn, M., and Hingst.)
Hinkle, Ralph Y., Pendleton, Oreg. Air filter for internal combustion engines. 1,851,427 ; Mar. 29.
Hinkley, Horace C., assignor to Iowa Can Company, Keokuk, Iowa. Insulating package. 1,850,013 ; Mar. 15.
Hinkley, Leonard, Adrian, Mich. Milk bottle container. 1,861,512 ; Mar. 29.
Hinkley, Ray A., Erie, Pa., assignor to General Electric Company. Flexible coupling. 1,891,029 ; Dec. 27.
Hinkson, John C. (See Bartlett, James H., assignor.)
Hinman, Charles P., Honolulu, Hawaii. Exact weight recorder. 1,890,648 ; Dec. 13.
Hinman, George L., New Haven, Conn., assignor, by mesne assignments, to The Yates Manufacturing Company, West Orange, N. J. Data recording and displaying device. 1,841,950 ; Jan. 19.
Hinnekens, Florent, Prospect Park, N. J. Tentering frame clip. 1,858,502 ; May 17.
Hinrichs, John A. (See Hansen, H. I., and Hinrichs.)
Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse circuit. 1,840,097 ; Jan. 5.
Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,857,348 ; May 10.
Hinrichsen, Thomas, Davenport, Iowa. Direction indicator. 1,877,402 ; Sept. 13.
Hinsch, Louis L., Sidney, assignor, by mesne assignments, to The Cleveland Stoker Company, Cleveland, Ohio. Forced draft mast for automatic stokers. 1,876,955 ; Sept. 13.
Hinsky, Anthony P., Brooklyn, N. Y. Radio receiving apparatus. 1,891,092 ; Dec. 13.
Hinsky, Anthony P., assignor to E. T. Trotter & Co., Brooklyn, N. Y. Insulated conductor and applying colored surfaces thereto. 1,887,851 ; Nov. 15.
Hinsky, Anthony P., assignor to E. T. Trotter & Co., Brooklyn, N. Y. Insulated electric conductor and applying colored surfaces thereto. 1,890,291 ; Dec. 6.
Hinsky, Anthony P., assignor to E. T. Trotter & Co., Brooklyn, N. Y. Applying coatings to insulated wires and the like. 1,890,292 ; Dec. 6.
Hinson, George W. (See Woodward, Orville E., assignor.)
Hinson, Jay B., Little Neck, assignor to Leo H. Fuller, Inc., Long Island City, N. Y. Advertising or display device. 1,890,258 ; Dec. 6.
Hinsvark, George I., Renner, S. Dak. Brooder house for pigs. 1,876,503 ; Sept. 6.
Hinterdorfer, Franz, Budapest, Hungary, assignor to G. E. Reinhardt, Linke-Maschinen- und Buchdruck-Metall-Utensilien-Fabrik, Leipzig-Connewitz, Germany. Ruling machine. 1,854,739 ; Apr. 19.
Hinterkopf, Henry. See Hinterkopf, J., and Hinterkopf.)
Hinton, William E. (See Richards, H. J., and Hinton.)
Hintzmann, Karl, Leverkusen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany. Increasing the solubility of water-soluble salts. 1,889,960 ; Dec. 6.
Hinze Ambrosia, Inc. (See Keating, Frank, assignor.)
Hipp, Andrew, Baltimore, Md. Electric time switch. 1,882,495 ; Oct. 11.
Hippensteel, Claude L. (See Peek, R. L., jr., and Hippensteel.)
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Power lift planter. 1,846,487 ; Feb. 23.
Hipple, John S., Temple, Pa. Producing expansion joint filling material. 1,888,270 ; Nov. 22.
Hipwell, Harry T., Pittsburgh, Pa. Flash lamp structure for cameras. 1,853,221 ; Apr. 12.
Hipwell, Harry H., Pittsburgh, Pa. Flash lamp structure for cameras. 1,853,272 ; Apr. 12.
Hird, John B., jr., Seattle, assignor to F. R. Pendleton, Everett, Wash. Internal combustion engine. 1,861,743 ; June 7.
Hires, John E., Ardmore, Pa., assignor to Scott Paper Company. Paper roll. 1,882,012 ; Oct. 11.
Hirsch, Alf C., Eau Claire, Wis. Soap dish. Des. 86,837 ; Apr. 26.
Hirsch, Alfred C. (See Krause, A. R., and Hirsch.)

Hirsch, Charles J., and A. D. Trenor, assignors to J. H. Hammond, jr., Gloucester, Mass. Picture distorting apparatus. 1,844,162 : Feb. 9.

Hirsch, Frank G., assignor to C. G. Banks, Los Angeles, Calif. Gauge protector. 1,864,906 : June 28.

Hirsch, Henry, Jersey City, N. J. Laundry list printer and counter. 1,875,870 : Sept. 6.

Hirsch, Homer C., El Paso, Tex. Continuous filtering apparatus. 1,887,129 : Nov. 8.

Hirsch, Kupfer and Messingwerke Aktiengesellschaft (See Zu Langenstein, K. S. Müller, assignors.)

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Manufacturing can closures. 1,847,108 : Mar. 1.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Can closure. 1,848,311 : Mar. 1.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Manufacturing can closures. 1,863,336 : June 14.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Can closure. 1,863,726 ; June 14.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, N. J., assignors to R. B. Davis Company, Hoboken, N. J. Manufacturing can closures. 1,863,337 : June 14.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Can closure. 1,866,467 : July 5.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Can closure. 1,866,468 : July 5.

Hirsch, Leonard, Lyndhurst, and E. A. Harriss, Orange, assignors to R. B. Davis Company, Hoboken, N. J. Forming can closures. 1,866,469 : July 5.

Hirsch, Louis B., Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Air or gas compressor. 1,874,752 : Aug. 30.

Hirsch, George H., Chicago, Ill. Rack device. 1,847,719 ; Mar. 1.

Hirschfeld, Harry, Sea Cliff, N. Y. Rubber heel. 1,887,852 : Nov. 15.

Hirschkind, Wilhelm, Pittsburgh, assignor to Great Western Electro-Chemical Company, San Francisco, Calif. Manufacturing alkali metal xanthates. 1,872,452 ; Aug. 16.

Hirschkind, Wilhelm, Antioch, assignor to Great Western Electro-Chemical Co., San Francisco, Calif. Paper pulp bleaching process. 1,873,924 : Aug. 23.

Hirschl, Marcus A., Chicago, Ill. Celestial globe. 1,857,546 ; May 10.

Hirschl, Marcus A., Chicago, Ill. Candle. 1,857,957 : May 10.

Hirschler, Horace L., San Francisco, Calif., assignor, by mesne assignments, to Hawkins Patents, Ltd., Reno, Nev. Steering linkage. 1,846,553 ; Feb. 23.

Hirschman, Seymour S., Binghamton, N. Y. Rotary fire escape. 1,887,145 ; Oct. 11.

Hirschmann, William F., Brooklyn, assignor to Benziger Brothers, New York, N. Y. Aspersorium. 1,852,460 ; Apr. 5.

Hirsh, Fred, New York, N. Y., assignor to Adjusta Company. Apparel buckle. Des. 86,371 ; Mar. 1.

Hirsh, Fred, New York, N. Y., assignor to Adjusta Company. Apparel buckle. Des. 87,636 ; Aug. 23.

Hirsh, Fred, assignor to Adjusta Company, New York, N. Y. Buckle. 1,886,545 : Nov. 15.

Hirsh, Jennie, assignor to M. F. Keller, Brooklyn, N. Y. Electric vanity case. 1,889,143 ; Nov. 29.

Hirshfeld, Jerome, assignor to Televator Corporation, New York, N. Y. Communication system. 1,860,360 ; May 31.

Hirshfeld, Jerome, assignor to Televator Corporation, New York, N. Y. Dumb-waiter and dumb-waiter inclosure unit. 1,867,568 ; July 19.

Hirshfield, Morris, Brooklyn, N. Y. Adjustable arch construction for shoes. 1,859,959 : Nov. 1.

Hirt, Andrew, New York, N. Y. Keyless switch. 1,857,638 ; May 10.

Hirt, August. (See Ellinger, P., and Hirt.)

Hirt, Harriet M., executrix. (See Hirt, Jules H.)

Hirt, Jules H., deceased. El Paso, Tex. : H. M. Hirt, executrix, assignor to L. J. Hirt, New York, N. Y. Pressure treatment for oils and the like. 1,840,164 ; Jan. 5.

Hirt, L. J. (See Hirt, Jules H., assignor.)

Hirth, Albert, Heiden, Rosenberg, Switzerland. Magazine pencil. 1,889,550 ; Nov. 29.

Hirth, Louis S., Oak Park, assignor of one-half to L. C. Sahm, Chicago, Ill. Cleaning material supporting device. 1,886,338 ; Nov. 1.

Hirtreiter, John, Milwaukee, Wis. Internal combustion engine. 1,859,299 ; May 24.

Hirvonen, Erik, Detroit, Mich., assignor by mesne assignments, to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,846,108 ; Feb. 23.

Hirvonen, Erik J., Worcester, Mass., assignor, by mesne assignments to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,876,834 ; Sept. 13.

Hirzel, Jacob J., Upper Darby, Pa. Water tube boiler. 1,855,833 ; Apr. 26.

Hise, George L., Ambridge, Pa., assignor of one-half to B. Lassman, Pittsburgh, Pa. Testing apparatus. 1,847,185 ; Mar. 1.

Hiss, John M., Columbus, Ohio. Shank stiffener for shoes. 1,843,721 ; Feb. 2.

Hist, John, assignor to The Cleveland Implement Manufacturing Company, Cleveland, Ohio. Potato planter. 1,843,229 ; Feb. 2.

Hitchcock, Forest B., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,852,568 ; Apr. 5.

Hitchcock, Guy F., Houston, assignor of one-half to T. H. Meeks, Harris County, Tex. Lantern. Re18,704 ; Dec. 27.

Hitchcock, Guy F., Houston, assignor of one-third to T. H. Meeks and one-third to J. L. Tomlinson, Harris County, Tex. Air release valve. 1,856,914 ; May 3.

Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass polishing apparatus. 1,887,554 : Nov. 15.

Hitchcock, Reuben, assignor to The Cleveland Stoker Company, Cleveland, Ohio. Stoker. 1,876,935 ; Sept. 13.

Hitchcock, Rex B. (See Raney, C. R., and Hitchcock.)

Hitchcock, Richard C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Musical instrument. 1,871,317 ; Sept. 13.

Hite, Samuel V., Seminole, Okla. Depth indicator and inclinometer. 1,890,607 ; Dec. 13.

Hiteshue, Raymond C. (See Logiodice, C., and Hiteshue.)

Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Melting glass by electricity. 1,885,722 ; Nov. 1.

Hitner, John K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Corrugated or threaded anode. 1,872,290 ; Aug. 16.

Hitt, Parker, assignor to International Communications Laboratories, Inc., New York, N. Y. Ciphering and deciphering apparatus. 1,848,291 ; Mar. 8.

Hitt, Parker, assignor to International Communications Laboratories, Incorporated, New York, N. Y. Printing telegraph system. 1,872,951 ; Aug. 23.

Hitt, Ray C., Seattle, Wash. Pyrotechnic display. 1,873,201 ; Aug. 23.

Hitt, Samuel E., Elyria, Ohio. Propulsion and steering of aeroships. 1,840,178 ; Jan. 5.

Hitt, Samuel E., Elyria, Ohio. Hull unit for air and water craft. 1,851,275 ; Mar. 29.

Hitt, Samuel E., Elyria, Ohio. Two hulled water craft. 1,853,125 ; Apr. 12.

Hitt, Samuel E., Elyria, Ohio. Safety surface for aerofoils. 1,889,477 ; Nov. 29.

Hitt, Samuel E., Elyria, Ohio. Aeroship. 1,890,113 ; Dec. 6.

Hitt, Thomas G., Seattle, Wash. Manufacture of firecrackers. 1,873,202 ; Aug. 23.

Hittle, Dalphin L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,847,761 ; Mar. 1.

Hitzler, Franz, Laurahütte, Upper Silesia, Germany. Cylinder arrangement. 1,872,038 ; Aug. 16.

Hitzler, Theodor, Leonberg, Germany. Insole. 1,869,257 ; July 26.

Hively, Howard D., and O. C. Natlis, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting machine. 1,885,099 ; Oct. 25.

Hively, Ossian, assignor to The Morgan Engineering Company, Alliance, Ohio. Crane trolley. 1,875,730 ; Sept. 6.

Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)

Hi-Way Service Corporation. (See Kerber, Joseph H., assignor.)

Hix, Maud, Childress, Tex. Game apparatus. 1,847,963 ; Mar. 1.

Hixenbaugh, McClelland, et al. (See Wagner, James S., assignor.)

Hixon, Samuel S., assignor to Sportocular Corporation, New York, N. Y. Binocular nose glasses. 1,851,579 ; Mar. 29.

Hjelle, Palmer H. (See Jordal, Herbert R., assignor.)

Hjelle, Marshall C., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Slicing machine. 1,881,189 ; Oct. 4.

Hjelle, Marshall C., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Fruit cutting machine. 1,885,600 ; Nov. 1.

Hjermind, Christian W., Maywood, and P. E. Weiss, River Forest, assignors to Premier Rose Gardens, Consolidated, Maywood, Ill. Hybrid tea rose. Pl. Pt. 11 ; Mar. 22.

Hjernstad, John M., Red Wing, Minn. Soil pulverizer. 1,878,142 ; Sept. 20.

Hjert, Andrew G., Seattle, Wash. Egg beater. 1,847,563 ; Mar. 1.

Hladik, Ladislav, Pilsen, assignor to Limited Company formerly the Skoda Works, Pizen, Prague, Czechoslovakia. Device for starting auxiliary engines for locomotives. 1,862,362 ; June 7.

Hlatky, Alexander J., Chicago, Ill. Vacuum pan and the like. 1,841,812 ; Jan. 19.

Hlavac, Anthony. (See Hlavac, H. C., and Hlavac.)

Hlavaty, Charles, New York, N. Y. Rotary radiator. 1,858,226 ; May 10.

Hoag, Charles L. (See Hach, C. A., and Hoag.)

Hoag, Philip O., Maplewood, assignor to The Whitehead & Hoag Company, Newark, N. J. Holder. 1,854,740 ; Apr. 19.

Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Spindle rotating means for milling machines. 1,840,361 ; Jan. 12.

Hoagland, Frank O., West Hartford, and A. L. Wilder, Wethersfield, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Lapping machine. 1,855,631; Apr. 26.

Hoagland, Ralph D. (See Heywood, V. E., and Hoagland.)

Hoard, Bert V., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line stability system. 1,870,810; Aug. 9.

Hoban, John W., assignor to Fairfield Specialties Corporation, New York, N. Y. Coin testing apparatus. 1,890,380; Dec. 6.

Hoban, Fairfield W., assignor to Fairfield Specialties Corporation, New York, N. Y. Testing coins or other tokens for genuineness. 1,890,381; Dec. 6.

Hobart Bros. Company, The. (See Hobart, Edward A., assignor.)

Hobart, Charles J. (See O'Connor, G., and Hobart.)

Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Tank for air compressors. 1,842,173; Jan. 19.

Hobart, Floyd B., assignor to Urbana Coke Corporation, Urbana, Ill. Coke oven door. 1,874,290; Aug. 30.

Hobart, Frank W., Chelsea, Mass. Garment attachment. 1,839,222; Jan. 5.

Hobart, Joseph N., New Cumberland, assignor to H. B. Groninger, Port Royal, Pa. Railroad tie. 1,861,961; June 7.

Hobart, Louis C., Avalon, Pa., assignor to Gem Manufacturing Company. Chaplet making machine. 1,885,349; Nov. 1.

Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)

Hobart Manufacturing Company, The. (See Meeker, David A., assignor.)

Hobart Manufacturing Company, The. (See Rataiczak, T. F., and Slager, assignors.)

Hobart Manufacturing Company. (See Zademach, Erich R., assignor.)

Hobbs, Howard F., Paradise, South Australia, Australia, Automatically variable transmission gear, particularly for motor vehicles. 1,864,824; June 28.

Hobbs, Howard F., Paradise, South Australia, Australia. Automatically variable transmission gear particularly for motor vehicles. 1,865,910; July 5.

Hobbs, James C., Painesville, Ohio. Tube for furnaces. 1,887,130; Nov. 8.

Hobbs, John Meline, Ill., assignor by mesne assignments, to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Lifting jack. 1,883,598; Oct. 11.

Hobbs, Leonard S., West Hartford, assignor to The Pratt & Whitney Aircraft Company, Hartford, Conn. Fuel admitting means for internal combustion engines. 1,858,215; May 5.

Hobbs, Leonard S., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Carburetor. 1,872,291; Aug. 16.

Hobbs, Thomas J., Macon, Ga. Shock absorber. 1,869,009; July 26.

Hobby, Harold E. (See Watkins, E. G., and Hobby.)

Hobby, John D. (See Hill, L., and Hobby.)

Hobe, Arthur A. (See Buchanan, Frank L., assignor.)

Hobert, Edward J. (See Mample, A. Z., and Hobert.)

Hobler, Frank. (See Mindermann, John H.)

Hobler, Frank. (See Mindermann, J. H., and Hobler.)

Hobrock, Raymond H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drying materials. 1,871,269; Aug. 9.

Hobson, John S., Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Lens for light signals. 1,840,093; Jan. 5.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Water system pump unit. Re18,553; July 26.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Range or similar article. Des. 86,123; Feb. 2.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Range or similar article. Des. 86,719; Apr. 12.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Concealed manifold gas range. 1,851,099; Mar. 29.

Hobson, Stanley H., assignor to G. D. Roper Corporation, Rockford, Ill. Gas range. 1,873,143; Sept. 20.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Range or similar article. Des. 88,149; Nov. 1.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Panel for a range or similar article. Des. 88,150; Nov. 1.

Hoch, Edward G., and J. A. Levering, assignors to Kozekar, Inc., Minneapolis, Minn. Baby basket and support. 1,881,579; Oct. 11.

Hochenauer, Carl J., and C. S. Smith, assignors to A. O. Smith Corporation, Milwaukee, Wis. Pipe thread protector. 1,847,396; Mar. 1.

Hocher, Andrew A., Etna, Pa., assignor to Hubbard & Company. Making rail brackets. 1,877,460; Sept. 13.

Hochheim, Ernst, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Metallic core for electromagnets. 1,840,286; Jan. 5.

Hochman, Julius C. (See Degener, G. O., and Hochman.)

Hochman, Julius C., et al. (See Degener, G. O., and Hochman, assignors.)

Hochman, Julius C., assignor of one-half to M. Samburg, New York, N. Y. Computing machine. 1,844,476; Feb. 9.

Hochman, Julius C., and G. O. Degener, New York, N. Y., assignors of three-fourths to said Hochman and one-fourth to M. Samburg. Computing machine. 1,857,454; May 10.

Hochmuth, W. E. (See Burks, James B., assignor.)

Hochriem, Gustav F. (See Rhodes, S. A., and Hochriem.)

Hochriem, Gustav F., Chicago, Ill. Cabinet for coin controlled apparatus. Des. 87,747; Sept. 13.

Hochriem, Gustav F., Chicago, Ill. Vending machine. 1,859,450; Jan. 5.

Hochschwender, Ernst. (See Krauch, C., Pier, and Hochschwender.)

Hochschwender, Ernst. (See Pier, M., Hochschwender, and Wenzel.)

Hochschwender, Karl. (See Krauch, C., Hochschwender, and Schunck.)

Höchstädter, Martin, Brussels, Belgium, assignor to Naamlooze Vennootschap Handelmaatschappij Cablon (Cablon Corporation), The Hague, Netherlands. High-tension cable. 1,849,624; Mar. 15.

Höchstädter, Martin, Brussels, Belgium, assignor to Naamlooze Vennootschap Handelmaatschappij Cablon (Cablon Corporation), The Hague, Netherlands. High tension cable. 1,849,873; Mar. 15.

Hochstatter, Charles, Ozone Park, New York, N. Y. Oil cleaner. 1,854,139; Apr. 12.

Hochstetter, Frederick W., Pittsburgh, Pa. Combination shutter and color filter for the motion picture projection arts. 1,846,054; Feb. 23.

Hochstetter, Frederick W., Pittsburgh, Pa. Sound translating apparatus. 1,846,055; Feb. 23.

Hochstetter, Frederick W., Pittsburgh, Pa. Radio circuit and operating same. 1,849,597; Feb. 23.

Hochstetter, Frederick W., Pittsburgh, Pa. Vacuum device. 1,888,594; Nov. 22.

Hochstrasser, Alfred H., Vienna, Austria. Friction-wheel lighter for solid fuel. 1,886,100; Nov. 1.

Hochwalt, Carroll A., and J. B. Waluszis, Dayton, Ohio, assignors to Morton Salt Company, Chicago, Ill. Manufacture of ammonium bromide. 1,872,292; Aug. 16.

Hocken, Barry, Fowey, England. Indicating and controlling apparatus. 1,886,482; Nov. 8.

Hockensmith, Wilbur D., jr., Irwin, Pa. Mine car. 1,855,239; Apr. 26.

Hockensmith, Wilbur D., jr., Irwin, Pa. Mine car. 1,855,187; Nov. 1.

Hocker Corporation, The. (See Hocker, Ivan S., assignor.)

Hocker, Ivan S., assignor to The Hocker Corporation, Philadelphia, Pa. Extraction of cocoa butter. 1,882,013; Oct. 11.

Hocker, Robert J. (See Danner, Albert C., assignor.)

Hocking Glass Company, The. (See Barbiers, Ferdinand S., assignor.)

Hodde, Christian W. (See Behle, J. and Hodde, assignors.)

Hoddi, George W., and L. Deutsch, assignors to Robbin & Myers, Inc., Springfield, Ohio. Motor and drive connection. 1,844,122; Feb. 9.

Hodeaux, Walter L., West Palm Beach, Fla. Portable universal power tool. 1,852,776; Apr. 5.

Hodeaux, Walter L., Palm Beach, Fla. Electric switch for power tools. 1,852,283; Oct. 11.

Hodeaux, Walter L., Palm Beach, Fla. Power tool. 1,886,952; Nov. 8.

Hodell, Frederick G., Cleveland Heights, assignor to The Chain Products Company, Cleveland, Ohio. Stock tire chain. 1,871,521; Aug. 16.

Hodge, Albert P., assignor to William L. Gilbert Clock Company, Winsted, Conn. Combined time and coin controlled apparatus. 1,843,898; Feb. 2.

Hodge, Chester J., Auburn, assignor to Hetherington & Berner, Inc., Indianapolis, Ind. Stone box. 1,849,800; Mar. 15.

Hodge, David, Centralia, assignor to Safety Mining Company, Chicago, Ill. Cartridge retaining device. 1,848,129; Mar. 8.

Hodge, Edward A., Rye, N. Y., assignor to Electrecorder Corporation, Dover, Del. Apparatus for measuring production. 1,881,580; Oct. 11.

Hodge, George O., assignor to Standard Steel and Bearings Incorporated, Plainville, Conn. Oil retainer construction. 1,859,677; Jan. 3.

Hodge, George O., assignor to Standard Steel and Bearings, Inc., Plainville, Conn. Machine for washing ball bearings. 1,878,277; Sept. 20.

Hodge, James G., East Orange, N. J., assignor to The Simplex Piston Ring Company of America, Incorporated, Cleveland, Ohio. Piston packing. 1,865,566; July 5.

Hodge, James G., East Orange, N. J. Piston ring structure. 1,877,461; Sept. 13.

Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Slide buckle. 1,840,626; Jan. 12.

Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,844,282; Feb. 9.

Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,844,283; Feb. 9.

Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Loop buckle. 1,865,854; July 5.

Hodge, Robert J., assignor to American Buckle Company, West Haven, Conn. Slide buckle. 1,887,096; Nov. 8.

Hodges, Albert B., assignor to General Zeolite Company, Chicago, Ill. Liquid treatment. 1,861,796; June 7.

Hodges, Harry R., New York, N. Y. Shade and window bracket. 1,861,090; May 31.

Hodges, Vera C., Los Angeles, Calif. Cranking shaft driven starter. 1,852,612; Apr. 5.

Hodges, Vera C., Los Angeles, Calif. Engine starter. 1,852,653; Apr. 5.

Hodges, Vera C., Los Angeles, Calif. Internal combustion engine starter. 1,855,050; Apr. 19.

Hodges, William R. (See Calhoun, Longino F., assignor.)

Hodgins, William A., Ottawa, Ontario, Canada. Heat saver. 1,871,322; Aug. 2.

Hodgkin, Durbin C., Washington, D. C., assignor of one-half to T. B. Owens, Fort Worth, Tex. Advertising device and making the same. 1,880,202; Oct. 4.

Hodgkin, Durbin C., Washington, D. C., assignor of one-fourth to T. B. Owens, Fort Worth, Tex. Advertising device and making the same. 1,851,141; Oct. 4.

Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,861,176; Aug. 2.

Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic valve-actuating device. 1,872,405; Aug. 23.

Hodgkins, Edward F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buffing machine. 1,865,855; July 5.

Hodgkins, Herbert C., Auburn, N. Y. Gear lapping machine and lapping gears. 1,853,354; Apr. 12.

Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine cylinder. 1,839,849; Jan. 5.

Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bolting turbine casings. 1,839,850; Jan. 5.

Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine propulsion system. 1,845,087; Feb. 16.

Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid seal packing gland. 1,846,598; Feb. 23.

Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction gear. 1,847,611; Mar. 1.

Hodgman, Willis K., jr., Taunton, Mass. Dry pipe valve. 1,856,338; May 3.

Hodgman, Willis K., jr., Taunton, Mass. Retarding chamber. 1,882,843; Oct. 18.

Hodgson, Arthur, Grange, Ill., assignor to International Harvester Company. Pulsator for milking machines. 1,844,853; Feb. 9.

Hodgson, Alfred, Loughborough, Bucks, England, assignor to Radio Corporation of America. Radio transmitter. 1,868,358; July 19.

Hodgson, Arthur L., Detroit, Mich. Vehicle signal. 1,882,322; Oct. 11.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic clutch. 1,850,147; Mar. 15.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Snap operating mechanism. 1,858,742; May 17.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic clutch. 1,861,982; June 7.

Hodgson, James F., Minersville, Pa. Power saw. 1,858,015; May 10.

Hodgson, John L., near Leighton, Buzzard, England. Flow quantity meter. 1,870,849; Aug. 9.

Hodkinson, William, Alsey, Ill. Animal feeding device. 1,878,515; Sept. 20.

Hodnette, John K., and P. L. Bellaschi, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Transformer. 1,872,293; Aug. 16.

Hodsdon, Floyd G., La Grange, Ill., assignor to International Harvester Company. Valve mechanism for pumps. 1,886,190; Nov. 1.

Hodsdon, Floyd G., La Grange, Ill., assignor to International Harvester Company. Pulsator for milking machines. 1,891,983; Dec. 27.

Hodshon, Alfred E., Bethel, assignor, by mesne assignments, to Hat Corporation of America, Norwalk, Conn. Apectured hat and making the same. 1,882,599; Oct. 11.

Hodshon, Ernest B., Nutley, N. J. Hat-softening device. 1,854,308; Apr. 19.

Hodson, Frank S., Philadelphia, Pa. Silicon iron castings and process of making. 1,870,744; June 7.

Hoe, R., & Co. (See Ball, H. V., and Tomlin, assignors.)

Hoe, R., & Co. (See Claubery, Herman P., assignor.)

Hoe, R., & Co. (See Eckhard, William K.)

Hoe, R., & Co. (See Eckhard, William K., assignor.)

Hoe, R., & Co. (See Graf, Albert J., assignor.)

Hoe, R., & Co. (See Horton, Albert J., assignor.)

Hoe, R., & Co. (See Huck, William E., assignor.)

Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)

Hoe, R., & Co. (See Meyer, Joseph, assignor.)

Hoe, R., & Co. (See Quick, C. G., and Chiles, assignors.)

Hoe, R., & Co. (See Quick, C. G., and Denne, assignors.)

Hoe, R., & Co. (See Schinpers, F., and Weis, assignors.)

Hoe, R., & Co. (See Schmidt, Louis A., assignor.)

Hoe, R., & Co. (See Seymour, Ralph C., assignor.)

Hoe, R., & Co. (See Tomlin, John R., assignor.)

Hoe, R., and Co. (See White, Bruce C., assignor.)

Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)

Hoe, Robert, Hyde Park, N. Y. Household power unit. 1,848,529; Mar. 8.

Hoe, Robert, Hyde Park, N. Y. Power unit. 1,864,304; June 21.

Hoefen, Walter V., assignor to Colonial Iron Works Company, Cleveland, Ohio. Conveyer construction. 1,874,042; Aug. 30.

Hoefert, Reinhold, Berlin-Charlottenburg, and K. Wollack, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,866,597; July 12.

Hoeflich, Victor T., New York, N. Y. Convoluted ornament of flexible material. 1,862,240; June 7.

Hoeflich, Victor T., assignor to American-Merri-Lei Corporation, New York, N. Y. Machine for making convoluted structures of flexible material. 1,888,197; Nov. 15.

Hoeflich, Victor T., assignor to American Merri-Lei Corporation, New York, N. Y. Making convoluted ornaments of flexible material. 1,888,198; Nov. 15.

Hoefling Bros. Inc. (See Hoefling, John W. and P. M., assignors.)

Hoefling, John W. and P. M., assignors to Hoefling Bros. Inc., Chico, Calif. Gravity discharge grain bin for harvesters. 1,852,969; Apr. 5.

Hoefling, Philip M., see Hoefling, John W. and P. M.)

Hoeft, Adolph R., Evanston, assignor to Hoeft & Company, Inc., Chicago, Ill. Burner control mechanism. 1,875,239; Aug. 30.

Hoeft, Adolph R. Evanston, assignor to Hoeft & Company, Inc., North Chicago, Ill. Poultry feeder. 1,881,023; Oct. 4.

Hoeft & Company. (See Hoeft, Adolph R., assignor.)

Hoeft & Company, Inc. (See Lindgren, Waldemar L., assignor.)

Hoeftmann, Alexander O., O. A. McNamee, and J. J. Morrison, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Shipping cable. 1,859,141; May 17.

Hoeg, Henry J., St. Clare Shores, Mich. Centerless grinder. 1,859,443; May 24.

Hoegger, Joseph A., Jersey City, N. J. Mirror dresser. 1,863,104; July 19.

Hoegger, Joseph A., Jersey City, N. J. Wall fixture support. 1,887,641; Nov. 15.

Hoehl, Joseph W. (See Bugett, Neal J., assignor.)

Hoehn, Peter T., et al. (See Gaskin, Edward R., assignor.)

Hoeing, Julius H., Cologne-on-the-Rhine, assignor to Hans Bilstein, Altenvoerde, Westfalen, Germany. Hand stamping apparatus. 1,869,830; May 3.

Hoekstra, Harold D., Glendale, assignor to Powel Crosley, jr., Cincinnati, Ohio. Aircraft truss support. 1,843,364; Feb. 2.

Hoekstra, Harold D., and E. C. Hokanson, Glendale, assignors to Powel Crosley, jr., Cincinnati, Ohio. Aircraft-control surface control. 1,843,363; Feb. 2.

Hoel, Archie E., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Emulsifiable oil and producing same. 1,875,001; Aug. 30.

Hoeleng, A. S. (See Hoelfeldt-Lund, Cristopher H., assignor.)

Hoelfeldt-Lund, Cristopher H., Steinkjer, assignor to A/S Hoeleng, Trondhjem, Norway. Working and loading platform for gallery work in tunnels. 1,863,984; June 21.

Hoelkeskamp, Franz. (See Zart, A., Hartmann, and Hoelkeskamp.)

Hoelscher, Otto, Detroit, Mich. Dust distributing attachment. 1,852,522; Apr. 5.

Hoelscher, William G., Norwood, assignor to The American Tool Works Company, Cincinnati, Ohio. Transmission. 1,850,302; Mar. 22.

Hoelscher, William G., Norwood, and R. L. Williamson, assignors to the American Tool Works Company, Cincinnati, Ohio. Reversing gear and clutch mechanism. 1,855,882; Apr. 26.

Hoene, Fred W. (See Mapp, J. B., and Hoeme.)

Hoenshel, Paul M., Port Mayaca, assignor to Mayaca Company, Miami, Fla. Combined irrigation and drainage pump. 1,856,387; May 3.

Hoerig, Joseph F., Milwaukee, Wis. Trimming attachment for sewing machines. 1,852,611; Apr. 5.

Hoerman, G. H., et al. (See Gray, Thomas, assignor.)

Hoermann, Frederik E., Hastings, assignor of one-fourth to H. M. Robertson and one-fourth to J. M. Santo, St. Paul, Minn. Treating food and other products with high frequency oscillations. 1,863,222; June 14.

Hoern, Joseph H., Saginaw, Mich., assignor to Wilcox-Rich Corporation. Machine for sawing piston rings. 1,870,996; Aug. 9.

Hoernel, Paul C., Brooklyn, and J. W. Smith, Yonkers, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cooling system. 1,853,777; Apr. 5.

Hoerner, Louis. (See Mead, J. W., and Hoerner.)

Hoerr, Louis A. and W. N., assignors to Western Railway Equipment Company, St. Louis, Mo. Placard holder for cars. 1,847,215; Mar. 1.

Hoerr, William N. (See Hoerr, Louis A. and W. N.)
Hoersting, Frank J., Dayton, Ohio. Humidifier. 1,858,329; May 17.
Hoeveler, John A., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Filter device for floodlights. 1,843,558; Feb. 2.
Hoey, Arthur A., Providence, R. I., assignor to Hoey Manufacturing Company. Tenter chain. 1,850,456; Mar. 22.
Hoey, Eugenia M., San Francisco, Calif. Combination bed and divan. Des. 87,577; Aug. 16.
Hoey, Eugenia M., San Francisco, Calif. Combination bed and divan. Des. 87,578; Aug. 16.
Hoey, Eugenia M., San Francisco, Calif. Combination bed and divan. Des. 87,579; Aug. 16.
Hoey Manufacturing Company. (See Hoey, Arthur A., assignor.)
Hofammann, Karl E., and L. H. Schlatter, Altoona, Pa. Rail anchor. 1,889,316; Nov. 29.
Hofer, Alfred H., Dayton, Ohio, assignor to Bendix Brake Company, Chicago, Ill. Brake for landing gear wheels of airplanes. 1,869,479; Aug. 2.
Hofer, Paul, Basel, Switzerland. Flooring. 1,877,508; Sept. 13.
Hoferer, Michael J., Florissant, Mo. Device for making designs. 1,878,637; Sept. 20.
Hoff, Chester A., assignor to The Kristee Manufacturing Company, Akron, Ohio. Cleaner. 1,872,589; Aug. 16.
Hoff, Edward A. Berkeley, Calif. Current meter. 1,852,414; Apr. 5.
Hoff, Edward R., Richmond, assignor of one-half to E. O. Schellenberg, Brooklyn, N. Y. Safety razor blade. 1,840,199; Jan. 5.
Hoff, Leigh P., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Centrifugal pump. 1,891,201; Dec. 13.
Hoff, Martin, New York, N. Y. Expansion shoe tree. 1,879,242; Sept. 27.
Hoffa, Erwin, Hochst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 3.5-dihalogen-1-methyl-benzene-2-carboxylic acids and preparing the same. 1,868,028; May 17.
Hoffa, Erwin, and C. Seib, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing azo dyestuffs on the fiber. 1,877,318; Sept. 13.
Hoffa, Erwin, and H. Heyna, Frankfort-on-the-Main, Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New dyestuff of the thioindigo series. 1,877,370; Sept. 20.
Hoffaker, Ira C., assignor to Mount Vernon-Woodbury Mills, Inc., Baltimore, Md. Fabric. 1,879,243; Sept. 27.
Hoffer, Le Roy H., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding apparatus. 1,865,519; July 5.
Hoffer, Le Roy H., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding apparatus and method. 1,887,488; Nov. 15.
Hoffer, Le Roy H., assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Electric fuse switch. 1,887,489; Nov. 15.
Hofferbert, Orrin, Beaver Dam, Wis., assignor to Malleable Iron Range Company. Lug. 1,855,745; Apr. 26.
Hofferbert, Orrin, Beaver Dam, Wis., assignor to Malleable Iron Range Company. Water heater. 1,863,273; June 14.
Hoffman, Adon J., Syracuse, assignor to W. H. Hoffman, Oneonta, N. Y. Garment pressing machine. 1,891,318; Oct. 11.
Hoffman, Albert F., assignor to Hoffman Beverage Company, Newark, N. J. Foil remover. 1,863,333; June 14.
Hoffman, Albert F., assignor to Hoffman Beverage Company, Newark, N. J. Label marker. 1,889,246; Nov. 29.
Hoffman, Ambrose L. (See Hoffman, Malcolm E. and A. L.)
Hoffman, Andrew Mfg. Co. (See Bock, Charles, assignor.)
Hoffman, Ayers M. (See Hoffman, Benjamin P. and A. M.)
Hoffman, Benjamin P., and A. M., assignors to Pierce Development Company, Tulsa, Okla. Oil saver. 1,846,967; Feb. 23.
Hoffman Beverage Company. (See Hoffman, Albert F., assignor.)
Hoffman, Bruno. Spandau-West, Germany, assignor to General Electric Company. Centrifugal compressor or blower. 1,855,273; Apr. 12.
Hoffman, Carl. Stamford, Conn., assignor to Pauline Hoffman, Allentown, Pa. Doorlock. 1,855,021; Apr. 19.
Hoffman, Charles, Tuckahoe, assignors to Ward Baking Company, New York, N. Y. Food product. 1,873,709; Aug. 23.
Hoffman, Charles T., assignor of one-half to E. L. Groff, Washington, D. C. Defrosting refrigerating unit. 1,852,163; Apr. 5.
Hoffman, Charles T., assignor of one-half to E. L. Groff, Washington, D. C. Refrigerator. 1,852,707; Apr. 5.
Hoffman, Charles T., assignor of one-half to E. L. Groff, Washington, D. C. Automatically defrosting refrigerating units. 1,886,953; Nov. 8.
Hoffman, Christian J. (See Erl, J., and Hoffman.)
Hoffman, David E., Jackson, Mich. Skid for motor vehicles. 1,868,942; July 26.
Hoffman, Edward L., Dayton, Ohio. Parachute construction. 1,842,450 Jan. 26.
Hoffman, Edward L., Dayton, Ohio. Combination parachute harness. 1,857,375; May 10.
Hoffman, Edward L., Dayton, Ohio. Aerial safety strap. 1,891,418; Dec. 20.
Hoffman, Frank, Dearborn, Mich. Boat propelling mechanism. 1,848,718; Mar. 8.
Hoffman, Frank C., South Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pyroxylin enamel. 1,846,869; Feb. 23.
Hoffman, Frank K., Dunkirk, N. Y. Radiator. 1,842,095; Jan. 19.
Hoffman, Fred, Wabash, Ind. Scaffold support. 1,879,244; Sept. 27.
Hoffman, Frederick H., Columbus, Ohio. Food compound. 1,890,180; Dec. 6.
Hoffman, George D., Pasadena, Calif., assignor to Hoffman Specialty Company, Waterbury, Conn. Check valve. 1,871,984; Aug. 16.
Hoffman, George R., West Allis, assignor, by mesne assignments, to Harnischfeger Corporation, West Milwaukee, Wis. Operating mechanism for crane brakes. 1,841,532; Jan. 19.
Hoffman, Herman S., Washington, D. C. Electrode device. 1,849,745; Mar. 15.
Hoffman, Jacob S., New York, N. Y. Toothbrush. 1,890,943; Dec. 13.
Hoffman, Jay C., Akron, Ohio. Railway signaling system. 1,874,291; Aug. 30.
Hoffman, John E., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,846,005; Feb. 16.
Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Pressure actuated governor. 1,840,953; Jan. 12.
Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Refrigerant controlling apparatus. 1,840,954; Jan. 12.
Hoffman, John F., assignor to Baker Ice Machine Co., Inc. Omaha, Nebr. Refrigeration system. 1,840,955; Jan. 12.
Hoffman, John F., assignor Baker Ice Machine Co. Inc, Omaha, Nebr. Refrigerating apparatus. 1,853,273; Apr. 12.
Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Temperature responsive regulating valve. 1,856,334; May 3.
Hoffman, John R., assignor to Madison-Kipp Corporation, Madison, Wis. Portable tool. 1,864,019; June 21.
Hoffman, John R., assignor to Madison-Knapp Corporation, Madison, Wis. Governor for fluid motors. 1,886,546; Nov. 8.
Hoffman, Joseph D. P., Kirkwood, assignor to J. R. Keuney Corporation, St. Louis, Mo. Disconnecting switch. 1,877,319; Sept. 13.
Hoffman, Joseph J. (See Moebes, A., and Hoffman.)
Hoffman-La Roche Inc. (See Eiger, Franz, assignor.)
Hoffman, Laurence N., assignor to Sheby Metal Products Company, Shelby, Ohio. Hardware display card. 1,890,181; Dec. 6.
Hoffman, Malcolm E., Minneapolis, and A. L. Hoffman, St. Paul, Minn. Surgical device. 1,887,022; Nov. 8.
Hoffman, Maurice H., Minneapolis, Minn. Combined casing for a clock, fountain penholder, and display stand. Des. 86,838; Apr. 26.
Hoffman, Morris J., Chicago, Ill. Payroll printing machine. 1,845,792; Feb. 16.
Hoffman, Morris J., Chicago, Ill. Coupon ticket printing machine. 1,871,058; Aug. 9.
Hoffman, Morris J., Chicago, Ill. Printing machine. 1,871,059; Aug. 9.
Hoffman, Morris J., Chicago, Ill. Printing device. 1,871,060; Aug. 9.
Hoffman, Nora, New York, N. Y. Dress form. 1,889,659; Nov. 29.
Hoffman, Norman W., assignor to The Mazee Carpet Co., Bloomsburg, Pa. Mandrel for carpet rolling machines. 1,891,984; Dec. 27.
Hoffman, Pauline. (See Hoffman, Carl, assignor.)
Hoffman, Pauline. (See Hoffman, Rose and P.)
Hoffman, Richard M. (See Drewett, Guy P., assignor.)
Hoffman, Roscoe C., Detroit, Mich. Automobile. Des. 87,515; Aug. 9.
Hoffman, Roscoe C., Detroit, Mich. Automobile. Des. 87,516; Aug. 9.
Hoffman, Roscoe C., Detroit, Mich. Automobile. Des. 87,517; Aug. 9.
Hoffman, Roscoe C., Detroit, Mich. Automobile. Des. 87,518; Aug. 9.
Hoffman, Roscoe C., Detroit, Mich. Automobile. Des. 87,519; Aug. 9.
Hoffman, Roscoe C., Detroit, Mich. Automobile. Des. 87,520; Aug. 9.
Hoffman, Roscoe C., Detroit, Mich. Gear shift. 1,862,308; June 7.
Hoffman, Roscoe C., Detroit, Mich. Spring suspension. 1,864,247; June 21.
Hoffman, Roscoe C., Detroit, Mich. Steering gear. 1,880,390; Oct. 4.
Hoffman, Rose, assignor to P. Hoffman, Hartford, Conn. Hanger. 1,888,168; Nov. 15.
Hoffman, Samuel, South Orange, assignor to J. Chein & Company, Harrison, N. J. Toy drum. 1,877,871; Sept. 20.

Hoffman, Samuel O., San Francisco, Calif. Translating device, 1,862,622; June 14.
Hoffman Specialty Company. (See Hoffman, George D., assignor.)
Hoffman Specialty Company. (See Simpson, William K., assignor.)
Hoffman, Walter F. (See Gortner, R. A., and Hoffman.)
Hoffman, Walter F., Cloquet, and R. A. Gortner, St. Paul, assignors to The Northwest Paper Company, Cloquet, Minn. Electrical purification of water, 1,878,237; Sept. 20.
Hoffman, William H. (See Hoffman, Adaon J., assignor.)
Hoffman, William J., assignor to Memorial Hospital For The Treatment of Cancer and Allied Diseases, New York, N. Y. Device for obtaining biopsy specimens, 1,867,624; July 19.
Hoffman, William W. (See Haws, William H., assignor.)
Hoffmann, August, Leipzig, Germany. Paraffin device for treating threads, 1,877,663; Sept. 13.
Hoffmann, Charles, Jamaica, N. Y. Combined muffler and sander, 1,850,795; Mar. 22.
Hoffmann, Edward A., Reading, Pa. Apparatus for transporting and conditioning ready-mixed concrete, 1,885,350; Nov. 1.
Hoffmann, Edward C., Beaver Dam, Wis. Casing for wall pencil sharpeners. Des. 85,935; Jan. 5.
Hoffmann, Edward C., Cincinnati, Ohio. Sales or advertising letter, 1,870,661; Aug. 9.
Hoffmann, Emil, Cologne, Germany. Hoop-iron band or the like tensioning and fastening device, 1,876,499; Sept. 6.
Hoffmann, Ernest V., St. Albans, and J. E. Soons Yonkers, assignors to Hoffmann-Soons Electrical & Engineering Corporation, New York, N. Y. Shutter apparatus for moving picture machines, 1,885,825; Nov. 1.
Hoffmann, Josef, Gerlinghausen, Germany. Design forming apparatus for woven fabrics and the like, 1,886,547; Nov. 8.
Hoffmann-La Roche Inc. (See Aeschlimann, John A., assignor.)
Hoffmann-La Roche Inc. (See Häussler, Ernst P., assignor.)
Hoffmann-La Roche Inc. (See Karrer, Walter, assignor.)
Hoffmann-Soons Electrical & Engineering Corporation. (See Hoffmann, E. V., and Soons, assignors.)
Hoffmann, Ulrich. (See Reppe, W., and Hoffmann.)
Hoffmann, Wilhelm A., Berlin-Karlshorst, Germany, assignor by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Type holding appliance, 1,853,211; Apr. 12.
Hoffmann, William W. (See Haws, William H., assignor.)
Hoffmann, Wolfgang, New York, N. Y., assignor to Luminator Inc., Chicago, Ill. Lamp. Des. 87,213; June 21.
Hofmeier, Gottlieb, Wilmington, Del., assignor of one-half to Captain C. Ludlam, Pennsgrove, N. J., and E. A. Ludlam, Bellefonte, Del. Bell buoy, 1,851,836; Mar. 29.
Hofmeister, Hanna-Gerda. (See Hoffmeister, Hans, assignor.)
Hofmeister, Hans, assignor to Mrs. H. Hoffmeister, maiden name de Vries, Brunswick, Germany. Can filling apparatus, 1,855,673; Apr. 26.
Hofmeister, Herman, Klein-Qunestedt, near Halberstadt, Germany. Potato gathering machine, 1,858,708; May 17.
Hofmeister, Wilhelm A. M., Neustadt, Germany. Apparatus for and method of paraffining material, 1,846,201; Feb. 23.
Hofoss, John E., assignor to W-K-M Company, Houston, Tex. Slip operating device, 1,851,009; Mar. 29.
Hofoss, John E., assignor to W-K-M Company, Inc., Houston, Tex. Casing elevator, 1,856,636; May 3.
Hofoss, John E., assignor to W-K-M Company, Inc., Houston, Tex. Casing elevator, 1,861,473; June 7.
Hofstadt, Edwin G. and R. W., Jackson, Mich. Sanding device, 1,855,966; Apr. 26.
Hofstadt, Robert W. (See Hofstadt, Edwin G. and R. W., assignors.)
Hofstetter, Carl H., assignor to Odin Stove Manufacturing Company, Erie, Pa. Metal plate structure, 1,849,219; Mar. 8.
Hofstetter, Carl H., assignor to Odin Stove Manufacturing Company, Erie, Pa. Door structure, 1,861,010; May 31.
Hofstetter, Carl H. and R. F., Erie, Pa. Range or similar article. Des. 87,783; Sept. 20.
Hofstetter, Carl H. and R. F., Erie, Pa. Stove or range. Des. 87,784; Sept. 20.
Hofstetter, Robert F. (See Hofstetter, Carl H., and R. F.)
Hofgard-Remington Corporation. (See Hofgard, Rolf, assignor.)
Hofgaard, Rolf, Oslo, Norway, assignor, by mesne assignments, to Hofgaard-Remington Corporation, New York, N. Y. Electric calculating machine, 1,876,293; Sept. 6.
Hofgaard, Rolf, Ljan near Oslo, Norway, assignor, by mesne assignments, to Hofgaard-Remington Corporation, New York, N. Y. Calculating machine, 1,876,294; Sept. 6.
Hofgaard, Rolf, Stabekk, near Oslo, Norway, assignor, by mesne assignments, to Hofgaard-Remington Corporation, New York, N. Y. Unpolarized electromagnetic relay, 1,876,295; Sept. 6.
Hofgard, Rolf, Stabekk, near Oslo, Norway, assignor to Hofgaard-Remington Corporation, New York, N. Y. Calculating machine, 1,876,296; Sept. 6.
Hofman, Georg. (See Reime, G., and Hofman.)
Hofmann, Albert. (See Stoll, A., and Hofmann.)
Hofmann, Alfred, Incorporated. (See Feustel, Ernest A., assignor.)
Hofmann, Alfred, Needle Works, Inc. (See Hofmann, A., and Kanis, assignors.)
Hofmann, Alfred, Palisade, and O. Kanis, Lyndhurst, assignors to Alfred Hofmann Needle Works, Inc., Union City, N. J. Needle finishing machine, 1,853,426; Apr. 12.
Hofmann, Carl F., Schonau, near Chemnitz, Germany. Ring for spinning and doubling machines, 1,868,574; July 26.
Hofmann, Director Heinrich. (See Halm, Otto, assignor.)
Hofmann, Fritz. (See Bleicher, W., and Hofmann.)
Hofmann, Fritz. (See Ossanna, J., Graner, and Hofmann.)
Hofmann, Fritz, Breslau, M. Otto, Ludwigshafen-on-the-Rhine, and W. Stegemann, Monheim-on-the-Rhine, Germany. Polymerization of olefines, 1,885,060; Oct. 25.
Hofmann, Fritz, and C. Wulff, Breslau, Germany, assignors by mesne assignments, to Standard-I. G. Company, Linden, N. J. Extraction of oils from materials containing same, 1,840,287; Jan. 5.
Hofmann, Fritz, Breslau, and M. Dunkel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preservation of oils, 1,856,186; May 3.
Hofman, George, Lyons, Ill. Furnace, 1,841,030; Jan. 12.
Hofmann, George, Lyons, Ill. Oil burning apparatus, 1,847,831; Mar. 1.
Hofmann, George, Lyons, Ill. Furnace, 1,847,832; Mar. 1.
Hofmann, George, Boston, Mass. Safety razor, 1,879,900; Sept. 27.
Hofmann, Gerhardt. (See Galle, E., Hofmann, and Zorn.)
Hofmann, Johannes W., Kotzschenbroda, near Dresden, Germany. Supporting or carrying clamp for electrical overhead or service lines, 1,844,957; Feb. 16.
Hofmann, Josef, Merion, Pa. Control of oscillatory currents, 1,854,259; Apr. 19.
Hofmann, Josef, Merion, Pa. Packing device, 1,854,260; Apr. 19.
Hofmann, Josef, Merion, Pa. Snubber or shock absorber, 1,876,004; Sept. 6.
Hofman, Victor E., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine, 1,852,570; Apr. 5.
Hofman, Victor E., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for producing bollow glassware, 1,854,471; Apr. 19.
Hofmann, Victor E., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Mechanism for forming hollow glass articles, 1,888,318; Nov. 22.
Hofman, Willy, West New York, N. J., and A. C. Brucks, assignors to Hoveck Manufacturing Company, New York, N. Y. Toilet disk, 1,855,712; Apr. 26.
Hofmeister, Joseph, Pittsburgh, Pa. Face powder dispenser, 1,851,819; Dec. 20.
Hofrichter, Charles, Bronsdorf, Germany. Wagon tilt, 1,858,739; May 17.
Hofschneider, Frederic J., Rochester, N. Y. Trolling spoon, 1,847,397; Mar. 1.
Hofstadt, Richard, Wolfen, and W. Eller, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Drying wet, with liquid of fibers wound on permeable spools, 1,850,107; Mar. 22.
Hogaboom, George B., New Britain, Conn., and W. R. King, Newark, assignors to Hanson-Van Winkle-Munning Company, Matawan, N. J. Electrolytic bright dip for iron and steel, 1,865,470; July 5.
Hogaboom, George B., New Britain, Conn., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Zinc aluminum mercury anode for electrodeposition of zinc, 1,887,841; Nov. 15.
Hogan, Edward L. (See Morse, C. T., and Hogan.)
Hogan, Francis W., and H. M. Bulbrook, assignors of one-third to H. H. Adams, Fort Worth, Tex. Gas storage cylinder, 1,852,348; Apr. 5.
Hogan, George F., Chicago, Ill. Display device, 1,871,690; Aug. 16.
Hogan, Harry S., New Orleans, La., assignor to American Can Company, New York, N. Y. Can heading and sealing machine, 1,884,690; Oct. 25.
Hogan, Herbert J., Los Angeles, Calif. Variable camber airfoil, 1,868,748; July 26.
Hogan, Philip, Newton, Mass. Implement for use in applying a coating of solder to cylindrical objects, 1,851,837; Mar. 29.
Hogberg, John L., Attleboro, Mass., assignor to General Chain Company, Providence, R. I. Foldable extension device, 1,839,788; Jan. 5.

Hoge, John R., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,843,129; Feb. 2.

Hoge, John R., and V. E. Hofmann, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,876,005; Sept. 6.

Hoge, John R., and L. D. Soubier, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Mechanism for handling bottles and jars. 1,845,839; Feb. 16.

Hoge Manufacturing Company, The. (See Raeburn, William, assignor.)

Hoge, William F., Great Falls, Mont. Cleaning attachment for duck foot cultivators. 1,888,764; Nov. 22.

Hoge, William J., assignor to Mengel Body Company, Louisville, Ky. Gear shift apparatus for tractor-trailer vehicles. 1,846,394; Feb. 23.

Högl, Lennart, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric resistance furnace. 1,889,362; Nov. 29.

Hogeland, Bessie S., Glen Ridge, N. J. Teat cup. 1,888,226; Nov. 22.

Högfors, Hans F. B., Stockholm, Sweden. Tens carrying means. 1,879,291; Sept. 27.

Hoge, Francis, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,886,678; Nov. 8.

Hoge, Franklin, New York, N. Y. Dispensing nozzle. 1,850,877; Mar. 22.

Hogg, John L., East Orange, N. J., and S. Doba, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,853,974; Apr. 12.

Hogg, Raymond D., La Jolla, Calif. Antiglare device for vehicles. 1,848,564; Mar. 8.

Hogg, William J., and F. Neumann, assignors to The National Acme Company, Cleveland, Ohio. Collapsible tap. 1,854,309; Apr. 19.

Hoggatt, Wilford B., New London, Conn. Waterproof and fireproof shrous product and making the same. 1,860,097; May 24.

Hogin, James L. (See Smith, Robert N., assignor.)

Hoglind, Karl Christian, Jersey City, N. J. Stick game. 1,885,260; Nov. 1.

Hoglund, Theodore J., assignor to Gardner-Screw Corporation, Gardner, Mass. Change maker. 1,876,677; Sept. 13.

Hogrebe, Arthur E. (See Winterer, F. J., and Hogrebe.)

Hogue, Jesse S., Hammond, Ind. Refractory body. 1,879,240; Sept. 27.

Hogue, Jessie S. (See Carroll, C., and Hogue.)

Hohenemser, Wilhelm. (See Bayer, O., Hohenemser, and Lasch.)

Hohenstein, Frederick C., Dunkirk, N. Y. Hydrocarbon burner and heater. 1,843,870; Feb. 2.

Hohenstein, Frederick C., Dunkirk, N. Y. Burner device. 1,881,314; Oct. 4.

Hohing, Fred J., Alden, and J. Livingston, Acme, Mich. Nonskid for tree hoist. 1,866,974; July 12.

Hohl, George L., assignor to Cartoning Machinery Corporation, Newport, R. I. Mechanism for opening and filling bags. 1,892,435; Dec. 27.

Hohl, Joseph W. (See Tesh, J. E., and Hohl.)

Hohlt, Hans L., Santo Domingo, Dominican Republic. Automatic gear controller for boat. 1,843,443; Jan. 19.

Hohlweg, Walter. (See Dohrn, M., and Hohlweg.)

Hohm, Carl. (See McLeod, H. R., and Hohm.)

Hohn, Max P. E., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Feeding of cigarettes to packing machines. 1,840,717; Jan. 12.

Hohn, Max P. E., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Cutter for cigarette machines. 1,846,807; Feb. 23.

Hohn, Max P. E., assignor, by the Firm "Universelle" Cigarettenmaschinen Fabrik J. C. Muller & Co., Dresden, Germany. Cigarette rod cutting device for cigarette machines. 1,868,012; July 19.

Hohn, Max P. E., and R. W. Voigt, assignors to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for mechanically separating cut cigarettes with tips differing from the normal length. 1,846,808; Feb. 23.

Hohn, Max P. E., Dresden-A., assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Detecting device for cigarette turning machines. 1,886,016; Nov. 1.

Hohnekamp, Max. (See Eckhardt, F., and Hohnekamp.)

Hohnhorst, Ferdinand J., and F. J. Kroeger, Covington, Ky. Mechanism for truing and dressing grinding wheels. 1,840,718; Jan. 12.

Hohnhorst, Ferdinand J., and F. J. Kroeger, Covington, Ky. Mechanism for truing and dressing grinding wheels of corrugating rollers. 1,860,614; May 31.

Holland, Albert, and P. V. Moher, Fargo, N. Dak. Windshield screen. 1,888,038; Nov. 15.

Holsington, William F., Paris, France, assignor to G. H. Rees, London, England. Radioreceiver. 1,867,153; July 12.

Hojnowski, Jakob, Nekoosa, Wis. Helicopter toy. 1,852,929; Apr. 5.

Hojnowski, Jakob, Nekoosa, Wis. Helicopter. 1,857,849; May 10.

Hojnowski, Jakob, Nekoosa, Wis. Aeroplane. 1,865,252; June 28.

Hokanson, Evert C. (See Hoekstra, H. D., and Hokanson.)

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Work counter for typewriters. 1,842,671; Jan. 26.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Repeat mechanism for typewriters. 1,851,381; Mar. 29.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Repeat mechanism for typewriters. 1,873,406; Aug. 23.

Hokanson, Otto A., and J. F. Koca, assignors to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. 1,864,594; June 28.

Hoke, Frank, and V. F. Clark, assignors to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Hopper gas eliminator. 1,856,557; May 3.

Hoke, Hampton W., New York, N. Y. Playing cards. 1,887,203; Nov. 8.

Hoke, Harry A., Altoona, Pa. Cylinder cock and the like. 1,868,635; July 26.

Hoke, Harry A., Altoona, Pa. Locomotive tender. 1,876,297; Sept. 6.

Hoke, John L., New Carlisle, Ind. Tractor. 1,869,746; Aug. 2.

Hoke, William E., Baltimore, Md. Lapping cylinders and cones. 1,843,979; Feb. 2.

Hoke, William E., Baltimore, Md. System of lapping taper rollers. 1,873,647; Aug. 23.

Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Gauging screw threads. 1,862,145; June 7.

Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Screw thread gauge. 1,862,146; June 7.

Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Screw thread gauge. 1,875,871; Sept. 6.

Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Screw thread gauge. 1,875,872; Sept. 6.

Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Self-locking coupled screw elements. 1,884,973; Oct. 25.

Hoke, William E., Baltimore, Md., and R. Thomson, Newark, N. J., assignors to Dardelet Threadlock Corporation, New York, N. Y. Pliers. 1,886,271; Nov. 1.

Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Screw thread gauge. 1,887,131; Nov. 8.

Hokin, Harry R., Los Angeles, Calif. Hair waving device. 1,852,461; Apr. 5.

Hokin, Harry R., Los Angeles, Calif. Hair waving device. 1,882,557; Oct. 11.

Hol, John C. (See De Larnette, Henry W., assignor.)

Holanbek, Gustav J., Los Angeles, Calif. Automatic brake for trailers. 1,852,778; Apr. 5.

Holbeck, Austin A., Lakewood, Ohio. Unit pulverizer. 1,859,171; Apr. 19.

Holborn, Frederick, Hackensack, assignor to De Forest Radio-Telephone & Telegraph Co., Jersey City, N. J. Electron discharge device. 1,858,760; Apr. 26.

Holbrook, George W. (See Hanley, W. L., jr., Hendryx, and Holbrook.)

Holbrook, Henry E. (See Waltenberg, R. G., Holbrook, and Brenner.)

Holbrook, Joseph W., Buffalo, N. Y. Display cabinet. Des. 88,230; Nov. 8.

Holbrook, William C., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,846,109; Feb. 23.

Holbrook, William C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,846,554; Feb. 23.

Holbrook, William C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,847,109; Mar. 1.

Holbrook, William C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,869,812; Aug. 2.

Holbrooks, Willie L., Houston, Tex. Dredge boat construction. 1,875,603; Sept. 6.

Holcomb, Alpheus E., assignor to Koehring Company, Milwaukee, Wis. Dipper stick foot piece. 1,883,915; Oct. 25.

Holcomb, Harry E., Stratford, Conn., assignor to Fiberfraks Inc., New York, N. Y. Apparatus for forming fibrous sheet material. 1,869,148; July 26.

Holcomb, Harry E., Stratford, Conn., assignor to Fiberfraks, Inc., New York, N. Y. Drier for paper making machines. 1,844,658; Feb. 9.

Holcomb, Harry E., Stratford, Conn., assignor to Fiberfraks Inc., New York, N. Y. Apparatus for drying sheet material. 1,854,191; Apr. 19.

Holcomb, Harry E., Stratford, Conn., assignor to Fiberfraks Inc., New York, N. Y. Process and apparatus for drying and impregnating sheet material. 1,854,192; Apr. 19.

Holcomb & Hoke Manufacturing Company. (See Hoke, F., and Clark, assignors.)

Holcomb and Hoke Manufacturing Company. (See Holcomb, James L., assignor.)

Holcomb & Hoke Manufacturing Company. (See Trotter, Walter F., assignor.)

Holcomb, J. I., Mfg. Company. (See Anderson, Jesse I., assignor.)

Holcomb, James I., assignor to Holcomb and Hoke Manufacturing Company, Indianapolis, Ind. Cabinet for a pop corn machine. Des. 86,230; Feb. 16.

Holcomb, John T., Cape Girardeau, Mo. Adjustable bearing. 1,839,314; Jan. 5.

Holcomb, Lambert H. (See Haubens, H., and Holcomb.)

Holcomb, Lucia M., San Jose, Calif. Prune harvester. 1,865,372; June 28.

Holcomb, Myron D., Hurley, Wis. Attaching tools to bolster. 1,856,706; May 3.

Holcroft & Company. (See Ruckstahl, Alfred, assignor.)

Holdaway, Hall H. (See Powell, Alfred F., assignor.)

Holdaway, Helen N., administratrix. (See Powell, Alfred F.)

Holdeman, Harry R., assignor to J. M. Feldman Company, Inc., Los Angeles, Calif. Lighting fixture. 1,872,453; Aug. 16.

Holden, Arthur P., and P. Morgan, assignors, by mesne assignments, to Pess Oil Burners of Canada Limited, Toronto, Ontario, Canada. Overflow receptacle for oil burners. 1,844,252; Feb. 9.

Holden, Charles A. (See Hadden, G., and Holden.)

Holden, Charles S. (See Kranz, H. W., Holden, and Bound.)

Holden, John W. W., Providence, R. I. Threading device. 1,863,717; June 21.

Holden, Otto, Toronto, Ontario, assignor to William Kennedy & Sons, Limited, Owen Sound, Ontario, Canada. Stop fitting. 1,866,036; July 5.

Holden, William C., Ossining, N. Y. Antirattle device for vehicle doors. 1,837,842; Nov. 15.

Holden, William H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Gain control apparatus. 1,849,189; Mar. 15.

Holden, William H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Voltage regulator. 1,862,595; June 14.

Holden, William H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulating system. 1,874,530; Aug. 30.

Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Submarine concentric conductor system. 1,879,746; Sept. 27.

Holden, William H. T., Brooklyn, N. Y., and R. K. Honell, East Orange, N. J., assignors to American Telephone and Telegraph Company. System of photography employing frequency modulation. 1,865,826; June 28.

Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Current-suppressor. 1,896,543; Dec. 13.

Holder, Arthur, Los Angeles, Calif. Binocular photographic device. 1,863,558; June 21.

Holderer, George B. (See Perrott, G. S., and Holderer.)

Holderer, Jacob A., Scarsdale, N. Y., and L. V. Clark, Pittsburgh, Pa. Explosive. 1,865,104; June 28.

Holderle, Carl L. (See Holderle, Frederick W., and C. L.)

Holderle, Frederick W., and C. L., Rochester, N. Y. Food cabinet. 1,842,225; Jan. 19.

Holding, L. W., Corporation. (See Wynn, Samuel J., assignor.)

Holdsworth, Willie, Providence, R. I. Comb-circle. 1,855,883; Apr. 26.

Holdsworth, Willie, Providence, R. I. Gill-drawing frame. 1,876,936; Sept. 13.

Holed-Tite Packing Corporation. (See Farnham, Ralph A., assignor.)

Holed-Tite Packing Corporation. (See Gray, Fred D., assignor.)

Holed-Tite Packing Corporation. (See Koppelman, Morris, assignor.)

Holed-Tite Packing Corporation. (See Mann, Leon, assignor.)

Holford, Harry E., assignor to Binghamton Foundry & Machine Co. Inc., Binghamton, N. Y. Stake locking device for road forms or rails. 1,889,329; Nov. 29.

Holinger, Emil F., assignor to Chase Appliance Corporation, New York, N. Y. Cushioned chairs for railway rails. 1,844,221; Feb. 9.

Holl, Adolf. (See Ritter, H., and Holl, assignors.)

Holladay, James W., Plainview, Tex. Hydraulic ram or pump. 1,859,394; May 24.

Holland, Arthur G., Bridgeport, Conn., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Floor covering or rug. 1,859,922; May 24.

Holland, Cyrus J., Chicago, Ill. Friction draft gear. Re18,604; Apr. 5.

Holland, Cyrus J., Chicago, Ill. Friction draft gear. 1,859,703; May 24.

Holland, Cyrus J., Chicago, Ill. Friction draft gear. 1,874,531; Aug. 30.

Holland, Edgar W., Waco, Tex. Power take-off. 1,868,901; Nov. 22.

Holland, Evelyn N., assignor to C. G. King & Co., Inc., Providence, R. I. Bi-centennial badge. Des. 86,522; Mar. 15.

Holland Furnace Company. (See Dore, Joseph P., assignor.)

Holland Furnace Company. (See Nystrom, O. P., and Jaarda, assignors.)

Holland, Harry W., Elizabeth, N. J. Display cabinet. Des. 86,231; Feb. 16.

Holland, Harvison C., Des Moines, Iowa. Combined brake and clutch pedal structure. 1,885,442; Nov. 1.

Holland Hitch Company. (See Kretel, Henry, assignor.)

Holland, James, Los Angeles, Calif. Doorlock. 1,869,689; Aug. 2.

Holland, John A., Cincinnati, Ohio. Self filling pen. 1,876,298; Sept. 6.

Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Conveying and elevating mechanism for roughage mills. 1,851,315; Mar. 29.

Holand-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill. 1,851,316; Mar. 29.

Holland-Letz, John, assignor to The Letz Manufacturing Company, Crown Point, Ind. Cutting and grinding apparatus. 1,868,983; July 26.

Holland, Lyman F., Mobile, Ala. Ice cream freezer. 1,873,407; Aug. 23.

Holland, Nathaniel G., assignor to Old Dominion Marine Railway Corporation, Norfolk, Va. Hearing furnace. 1,858,156; May 10.

Holland, Newman H., Montclair, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 1,842,950; Jan. 26.

Holland, Newman H., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic diaphragm. 1,844,123; Feb. 9.

Holland, Newman H., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic diaphragm. 1,860,503; May 31.

Holland, Norman N., New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Friction closure cap. 1,858,826; May 17.

Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrolytic cell and mounting therefor. 1,845,047; Feb. 16.

Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery vent construction. 1,869,258; July 26.

Hollander, Aladar, Mandeno, assignor to Byron Jackson Co., San Francisco, Calif. Turbine pump. 1,863,849; June 21.

Hollander, Charles S., Philadelphia, and P. H. Del Plaine, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Retting fibers. 1,842,024; Jan. 19.

Hollander, Jacob A., and Clark, assignor to Cline Electrical Manufacturing Company, Chicago, Ill. Web tensioning device. 1,839,678; Jan. 5.

Hollars, Andrew J., Blue Eye, Mo. Can adjusting or reshaping machine. 1,876,678; Sept. 13.

Holle, Roy, Cincinnati, Ohio. Mechanical hammer. 1,874,492; Sept. 13.

Hollenbeck, Amelia. (See Slingerland, Claude S. and C. C., assignors.)

Hollerer, Karl, and A. Kadletz, Vienna, Austria. Press button. 1,888,169; Nov. 15.

Holley, Clarence M., Highland Park, and H. L. Foster, Detroit, Mich., and Holley assignor to said Foster, Artificial refrigerating apparatus. 1,868,359; July 19.

Holley, Clarence M., Highland Park, Mich. Vending machine. 1,855,201; Apr. 1.

Holley, Earl. (See Kimber, H. P., and Miller, assignors.)

Holley, George M. (See Shepard, E. H., and Culp, assignors.)

Holley Safety Window Inc. (See Boyle, N. T., and Slattery, assignors.)

Holliday, Jennie M., administratrix. (See Loughridge, M. H., and Holliday.)

Holliday, John D., Orchard, Nebr. Animal feeder. 1,879,247; Sept. 27.

Holliday, John S. (See Loughridge, M. H., and Holliday.)

Holliday, Joseph W., Red Wing, Minn. Currency tray. 1,857,305; May 10.

Hollilday, L. B., & Co. (See Shaw, Cecil, assignor.)

Hollinger, William M., Harrisburg, assignor to C. C. Nickel and R. S. Duncan, Duncannon, Pa. Casket-transferring device. 1,856,637; May 3.

Hollingshead, Arthur G., and C. W. Hoen, assignors to The Okadee Company, Chicago, Ill. Blow-off valve.

Hollingshead, R. M., Co., The. (See Bagley, Robert M., assignor.)

Hollingsworth, Vernard L., Indianapolis, Ind. Solution feed for boilers. 1,886,679; Nov. 8.

Hollingsworth, W. T. P. (See Lederer, Anton, assignor.)

Hollingsworth, William F. (See Norton, John S., assignor.)

Hollins, Abraham. (See Hollins, Jesse and A.)

Hollins, Jesse and A., Brooklyn, N. Y. Signal light control. 1,889,551; Nov. 29.

Hollister, Atwater W. (See Wilber, F. S., and Hollister.)

Hollister, Clarence P., Cold Spring, assignor to The Brooklyn Metal Stamping Corporation, Brooklyn, N. Y. Locally controlled radio receiving apparatus. Re18,689; Dec. 6.

Hollister, Edward E., assignor to Hollister-Whitney Company, Quincy, Ill. Automobile lift. 1,841,182; Jan. 12.

Hollister, Frank H., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Lighting fixture. Des. 86,313; Feb. 23.

Hollister-Whitney Company. (See Hollister, Edward E., assignor.)

Hollister, Willoughby F., Cowen, W. Va. Tank cap lock. 1,853,427; Apr. 12.

Hollman, August G., Fullerton, Calif. Belt clamp. 1,846,420; Feb. 23.
Hollman, Frank, Toledo, Ohio. Pipe device. 1,889,200; Nov. 29.
Hollman, Peter I., assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler oven. 1,858,593; May 17.
Hollnagel, Herbert P., Swampscott, Mass., assignor to General Electric Company. Electric condenser. 1,847,875; Mar. 1.
Holmagel, Herbert P., Swampscott, and G. A. F. Winckler, Worcester, Mass., assignors to General Electric Company. Rectification of alternating currents. 1,866,351; July 5.
Hollopeter, Roy R., Richmond, Ind. Sectional container. 1,872,590; Aug. 16.
Holloway, Isaiah R. (See Dibble, C. M., and Halloway.)
Holloway, John H., assignor to Northwest Engineering Corporation, Green Bay, Wis. Apparatus for removing fuel dilution from engine's lubricating oil. 1,879,248; Sept. 27.
Holloway, Joseph C., New Orleans, La., assignor to American Can Company, New York, N. Y. Welding keys to can ends. 1,863,850; June 21.
Holloway, Mack O., Graymont, Ga. Two-cycle gas engine. 1,881,582; Oct. 11.
Holloway, William M., Oak Park, Ill., assignor to American Can Company. Container. 1,884,491; Oct. 25.
Hollup, Charles H., Chicago, Ill., assignor to Hollup Corporation. Electrode coating and method of welding. 1,852,311; Apr. 11.
Hollup, Corporation. (See Hollup, Charles H., assignor.)
Holly, George S., St. Charles, Ill., assignor to United Reproducers Corporation, Rochester, N. Y. Phonograph. 1,881,583; Oct. 11.
Holly, Ludwig F., Madison, N. J., assignor to Holly Pneumatic Systems, Inc., New York, N. Y. Control means in pneumatic ejectors. 1,869,806; July 26.
Holly Motors Corporation. (See Schwarz, Alfred, assignor.)
Holly Pneumatic Systems, Inc. (See Holly, Ludwig F., assignor.)
Hollywood Knitting Mills, Inc. (See Karahadian, Kay, assignor.)
Holm, John N., Minneapolis, Minn. Milking apparatus. 1,875,604; Sept. 6.
Holm, Melvin M. (See Shiffler, W. H., Holm, and Miller.)
Holm, Melvin M., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Manufacture of lithium chloride. 1,865,008; June 28.
Holman, Arthur J., Boston, Mass. Magazine valve for moving picture projectors. 1,845,840; Feb. 16.
Holman, Arthur J., Brighton, Mass. Combined focus and image placement adjustment means for moving picture projectors. 1,857,152; May 10.
Holman, Arthur J., Brookline, Mass. Automatic variable friction device. 1,852,701; June 14.
Holman, Arthur T. (See Holman, John L. and A. T.)
Holman Brothers Limited. (See Hele-Shaw, H. S., Beacham, and Mills, assignors.)
Holman Brothers Limited. (See Holman, John L. and A. T., assignors.)
Holman, Cecil P., Kansas City, Mo. Illuminated sign. 1,861,920; June 7.
Holman, John L. and A. T., assignors to Holman Brothers Limited, Taunton, Somerset, England. Rock-drill and like tool. 1,867,317; July 12.
Holman, Leslie A., Waltham, Mass. Heel press. 1,861,569; June 7.
Holman, William W. (See Neiler, R., and Holman.)
Holmann, Hans E., Darmstadt, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Production of short electric waves. 1,877,872; Sept. 20.
Holmberg & Co., m. b. h., The Firm. (See Huzenlaub, Erich G., assignor.)
Holmberg, Einar O. (See Nilson, E., Malke, and Holmberg.)
Holmberg, Hans A., Denver, Colo. Rock drilling machine. 1,843,482; Feb. 2.
Holmbergs, Carl, McKaniska Verkstads Aktiebolag. (See Anderberg, Anders, and E. A.)
Holmdahl, Monville, Oakland, Calif. Signal. 1,850,990; Mar. 22.
Holme, Leonard W., Bowral, New South Wales, Australia. Loading apparatus. 1,849,671; Mar. 15.
Holmer, Erik M., Gottenborg, Sweden. Machine for making blanks for cardboard boxes. 1,847,515; Mar. 1.
Holmes, Abram G., Pittsburgh, Pa. Fluid meter. 1,878,238; Sept. 20.
Holmes, Abram G., assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Compound meter. 1,842,267; Jan. 19.
Holmes, Anna, Dallas, Tex. Container. 1,875,379; Sept. 6.
Holmes, Arnold H., Zanesville, Ohio, assignor to Russia Cement Company, Gloucester, Mass. Bottle. Des. 86,024; Jan. 19.
Holmes, Charles D., Santa Ana, Calif. Furnace. 1,875,459; Sept. 6.
Holmes, Charles D., Long Beach, and H. W. Gamel, Los Angeles, Calif. Deodorizing device. 1,886,630; Nov. 8.
Holmes, Christopher C., Los Angeles, Calif. Signal apparatus for automobiles. 1,861,474; June 7.
Holmes, Colin W. H. (See Appleyard, K. C., Holmes, and Bramwell.)
Holmes, Colin W. H., Low Fell, assignor of one-half to The Birtley Iron Company, Limited, Birtley, England. Separation of particles of different densities by means of liquids. 1,871,121; Aug. 9.
Holmes Disappearing Bed Company. (See Ellsworth, Ross J., assignor.)
Holmes, Edgar R., assignor of one-half to H. M. Little, Denver, Colo. Automatic transmission. 1,863,985; June 21.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp let off for narrow ware looms. 1,852,052; Apr. 5.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle for narrow ware looms. 1,852,081; Apr. 5.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jacquard pattern cylinder. 1,852,082; Apr. 5.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle binder for looms. 1,852,241; Apr. 5.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tension for yarn winders. 1,856,188; May 3.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby finger for looms. 1,863,847; June 21.
Holmes, Elbridge R., assignor to Crompton-Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for loom shuttle. 1,872,952; Aug. 23.
Holmes Electric Protective Company. (See Chase, Leland H., assignor.)
Holmes Electric Protective Company. (See Miranda, Martin A., assignor.)
Holmes, Ernest, Company. (See Holmes, E. W., and Cline, assignors.)
Holmes, Ernest W., and E. E. Cline, assignors to Ernest Holmes Company, Chattanooga, Tenn. Oil draining station. 1,871,822; Aug. 16.
Holmes, Frank A., assignor of one-half to A. J. Lytle, and one-half to B. B. Hunter, Waterloo, Iowa. Grave marker. 1,843,672; Feb. 2.
Holmes, Franklin T., Springfield, assignor to Tryco Products, Inc., Westfield, Mass. Valve. 1,859,089; May 17.
Holmes, Frederick J., Detroit, Mich. Engine. 1,864,248; June 21.
Holmes, George A., Newton, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener socket. 1,867,360; July 12.
Holmes, George A., Newton, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener attaching machine. 1,869,590; Aug. 23.
Holmes, George R., Hennessey, Okla. Sport timing clock. 1,873,408; Aug. 23.
Holmes, Grant, assignor to Robt. Holmes & Bros., Inc., Danville, Ill. Car retarding mechanism. 1,853,355; Apr. 12.
Holmes, Harleigh R., Littleton, Colo. Rotary snowplow. 1,849,296; Mar. 15.
Holmes, Harleigh R., Littleton, Colo. Dump truck. 1,878,851; Sept. 20.
Holmes, Harry N., Oberlin, Ohio. Production of uniform catalytic mixtures. 1,852,207; Apr. 5.
Holmes, Harry N., Oberlin, Ohio. Removal of sulphur from gasoline or the like. 1,882,146; Oct. 11.
Holmes, Henry H., and R. H. Robinson, assignors to Wildt and Company Limited, Leicester, England. Threadtrapper and reverse-plating mechanism for knitting machines. 1,866,108; July 5.
Holmes, Henry S., Rockville Center, N. Y. Electric welding machine. 1,890,344; Dec. 6.
Holmes, Henry S., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Transformer. 1,851,344; Dec. 6.
Holmes, Henry S., Rockville Center, assignor, by mesne assignments, to Metropolitan Engineering Company, Brooklyn, N. Y. Apparatus for electric welding. 1,861,011; May 31.
Holmes, J. H., & Company Limited. (See Taylor, H., and Gibson, assignors.)
Holmes, John Q. (See Phelps, A. W., and Holmes.)
Holmes, John Q. (See Shippy, L. C., and Holmes.)
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Power screw driver. 1,842,830; Jan. 26.
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Cutting and piercing apparatus. 1,853,048; Apr. 12.
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for sorting commutator segments. 1,881,584; Oct. 11.
Holmes, John Q., and A. W. Phelps, assignors to Delco-Remy Corporation, Anderson, Ind. Apparatus for forming and attaching a terminal clip. 1,873,125; Aug. 23.
Holmes, John R., Cleveland, Ohio, assignor, by mesne assignments, to Hupp Motor Car Corporation, Detroit, Mich. Hood handle and carburetor air intake. 1,876,679; Sept. 13.
Holmes, John S., Chicago, Ill., assignor to International Harvester Company. Valve facing machine. 1,864,305; June 21.
Holmes, Julius F. (See Martin, Stephen M., assignor.)

Holmes, Julius F., New York, N. Y., and S. M. Martin, Morristown, N. J., assignors, by mesne assignments, to said Holmes. Evaporator construction. 1,846,066; Feb. 23.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,849,297; Mar. 15.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,849,298; Mar. 15.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,863,848; June 21.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,864,731; June 28.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,866,932; July 12.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,333; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,334; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,335; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,336; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,337; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,338; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,339; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,340; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,876,517; Sept. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,884,692; Oct. 25.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,884,693; Oct. 25.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,884,695; Oct. 25.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,884,696; Oct. 25.
Holmes, Ray D. (See Britton, E. C., and Holmes.)
Holmes, Robt., & Bros., Inc. (See Holmes, Grant, assignor.)
Holmes, Robert W. (See McMillan, John A., assignor.)
Holmes, Theodore D., Brooklyn, N. Y. Toy. 1,890,944; Dec. 13.
Holmes, W. C., and Company. (See Cooper, C., and Henshaw, assignors.)
Holmgreen, Eugene A., San Antonio, Tex. Cotton tramper and the like machine. 1,860,031; May 24.
Holmgreen, Richard J., San Antonio, Tex. Diaphragm pump. 1,877,873; Sept. 20.
Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,874,126; Apr. 12.
Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole-making machine. 1,874,127; Aug. 30.
Holmgren, Eric A., Lynn, assignor to United Shoe Machinery Corporation Paterson, N. J. Machine for operating on lasts. 1,891,263; Dec. 20.
Holmgrain, La Rue F., Bear River City, Utah. Cultivator attachment. 1,842,268; Jan. 19.
Holmquist, August, assignor to Sprague Sells Corporation, Hoopeston, Ill. Semaphore. 1,852,523; Apr. 5.
Holmquist, Ernst R. M., Lilla Edet, Sweden. Vehicle. 1,856,675; May 3.
Holms, Walter, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper handling machine. 1,850,932; Mar. 22.
Holmsen, Nilo J., New York, N. Y. Power take-off for motor vehicles. 1,882,602; Oct. 11.
Holmstrom, Axel, Monte Carlo, Monaco. Aircraft and watercraft construction. 1,851,513; Mar. 29.
Holmstrom, Axel, Monte Carlo, Monaco. Propeller or turbine for water, air, and gases. 1,857,509; May 10.
Holoff, William, Los Angeles, Calif. Sanitary toilet. 1,844,578; Feb. 9.
Holophane Company. (See Dorey, William A., assignor.)
Holophane Company. (See English, Solomon, assignor.)
Holophane Company. (See Froget, André, assignor.)
Holpner Automatic Machinery Corporation, The. (See Cundall, Robert N., assignor.)
Holslag, Claude J., South Orange, assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Arc welding system. 1,857,306; May 10.
Holslag, Claude J., South Orange, and F. B. Swankhous, Belleville, assignors to Electric Arc Cutting & Welding Company, Newark, N. J. Welding tool. 1,850,172; Mar. 22.
Holsman, John A., Des Moines, Iowa. Cigarette jacket. 1,852,679; June 14.
Holst, Ellis G., Pinehurst, Wash. Device for teaching the principles of aeroplane controls. 1,876,418; Sept. 6.
Holst, Fred D., Makoti, N. Dak. Grain harvester and stacker. 1,876,605; Sept. 6.
Holst, Giles, B. van der Pol, and K. Posthumus, Eindhoven, Netherlands, assignors to Radio Corporation of America. Circuit arrangement for generating electric oscillations. 1,839,481; Jan. 5.
Holst, Gilles, assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube with glow cathode. 1,875,002; Aug. 30.
Holst, Gilles, and E. Oosterhuis, Eindhoven, Netherlands, assignors to Radio Corporation of America. Device for converting electric oscillations into mechanical vibrations. 1,866,565; July 12.
Holst, Gilles and B. Van Der Pol, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge apparatus. 1,874,292; Aug. 30.
Holst, Gilles, and E. Oosterhuis, Eindhoven, Netherlands, assignors to Radio Corporation of America. Circuit arrangement for smoothing rectified alternating voltages. 1,888,628; Nov. 22.
Holstein, Jacob M., Newark, N. J. Fur scarf hanger. 1,851,045; Mar. 29.
Holstein, John V., assignor to Deere & Company, Moline, Ill. Marker for corn planters. 1,858,502; Nov. 22.
Holt, Albert C., Memphis, Tenn. Kiddie propelled merry-go-round. 1,887,410; Nov. 8.
Holt, Claude G., St. Johns Station, Mo. Pumping fluids. 1,852,242; Apr. 5.
Holt, Earl E. (See Shipley, B. M., and Holt.)
Holt, Fred. (See Bennett, N., Dodd, Sprent, and Holt.)
Holt, Fred, and J. A. W. Mitchell, Runcorn, assignors to Imperial Chemical Industries Limited, London, England. Compositions containing alkali metal peroxides. 1,855,676; Apr. 26.
Holt, Harold S. (See Coolidge, C., and Holt.)
Holt, Harris B., Dormont, Pa., assignor to Rosedale Foundry & Machine Company. Chain grate. 1,877,320; Sept. 13.
Holt, Ida, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,232; Feb. 16.
Holt, Ida, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,372; Mar. 1.
Holt, Ida, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,373; Mar. 1.
Holt, Joseph P., Merlon, Pa. Automobile. 1,888,553; Nov. 22.
Holt, Joseph P., Merlon, assignor to Aberfoyle Manufacturing Company, Chester, Pa. Treating yarn. 1,888,554; Nov. 22.
Holt, Lafayette, Burlington, N. C. Beam for supporting yarn packages. 1,878,776; Sept. 20.
Holt, Robert W., assignor, by mesne assignments, to F. M. Warden, Chicago, Ill. Welding shield. 1,861,797; June 7.
Holt, Thomas W., Elkhart, Ind., and C. S. Henderson, assignors to The O. K. Edwards Company Inc., Syracuse, N. Y. Buffers for the bottom rails of sashes. 1,854,032; Apr. 12.
Holt, Thomas W., and J. F. Levan, assignors to Excel Curtain Company, Elkhart, Ind. Curtain roller construction. 1,876,939; Sept. 13.
Holt, Walter E., Dover, Del. Oil burner foot. 1,885,443; Nov. 1.
Holte, Harold O., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling apparatus. 1,859,090; May 17.
Holtite Manufacturing Company. (See Esterson, Albert A., assignor.)
Holtkamp, Otto, Berlin, Germany. Table for invalids' beds. 1,849,926; Mar. 15.
Holtman, Axel R., Perris, Calif. Plate and dish warmer. 1,854,612; Apr. 19.
Holton, Edward C., Olmsted Falls, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Base for paints, varnishes, and lacquers and making the same. 1,885,595; Nov. 22.
Holten, George E., assignor to Hinckley-Myers Company, Jackson, Mich. Piston and connecting rod testing and aligning machine. 1,840,671; Jan. 12.
Holton, John H., Norristown, Pa., assignor, by mesne assignments, to Carrier Research Corporation, Newark, N. J. Heat exchange air circulating unit. 1,843,817; Feb. 2.
Holton, Ralph L., Dayton, Ohio. Lock. 1,888,383; Nov. 22.
Holton, Robert H., North Leominster, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Equalizing mechanism for axle lathe drive chucks. 1,843,130; Feb. 2.
Holtorf, Fritz, Central City, Nebr. Corn planter. 1,853,274; Apr. 12.

Holtson, James B., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Foot valve extractor. 1,841,031; Jan. 12.

Holtson, James B., Towson, Md., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Slip-joint fill box. 1,870,118; Aug. 2.

Holtum, Worsley, assignor to British Insulated Cables Limited, Prescot, England. Sealing device for use with electric cables and other apparatus. 1,875,732; Sept. 6.

Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Alternating current motor and controlling the speed thereof. 1,892,552; Dec. 27.

Holtz, Frederick C., Springfield, Ill., assignor to Sangamo Electric Company. Induction reaction motor. 1,892,553; Dec. 27.

Holtz, Harold F., Lincoln, Nebr. Curb jack. 1,888,083; Nov. 15.

Holtzclaw, Earl G., Portland, Oreg. Attractor for game fish. 1,862,893; June 14.

Holtzer-Cabot Electric Company. (See Durbin, Vernon, assignor.)

Holtzer-Cabot Electric Company, The. (See Duross, John, assignor.)

Holtzer-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)

Holtzman, John. (See Vlahov, George, assignor.)

Holtzman, John, New York, N. Y. Motor for windshield cleaners. 1,845,046; Feb. 16.

Holtzman, John, New York, N. Y. Razor blade sharpener. 1,864,065; June 21.

Holtzman, John, New York, N. Y. Lighter. 1,864,732; June 28.

Holtzman, John, New York, N. Y. Combined bicycle and scooter. 1,872,849; Aug. 23.

Holtzman, John, New York, N. Y. Doorlock. 1,878,230; Sept. 20.

Holtzman, John, assignor of one-half to C. James Cottrell, New York, N. Y. Cigarette case. 1,876,680; Sept. 13.

Holub, John J., Cicero, assignor to The Excelsior Steel Furniture Company, Chicago, Ill. Package for shipping. 1,847,110; Mar. 1.

Holveck, Joseph E., Pittsburgh, Pa. Spray nozzle. 1,859,201; Nov. 29.

Holveck, Joseph E., Pittsburgh, Pa., assignor to The Aldrich Pump Company. Pump. 1,862,823; June 14.

Holven, Alfred L., Crockett, Calif. Recovering sucrose from cane molasses. 1,878,145; Sept. 20.

Holven, Alfred L., Crockett, Calif. Recovery of sucrose from cane molasses. 1,878,145; Sept. 20.

Holy, Alfred E. (See Holiday, J. E., and Holy.)

Holy, Mitchel E., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Box construction. 1,882,282; Nov. 8.

Holy, Mitchel E., assignor to mesne assignments, to Container Corporation of America, Chicago, Ill. Display stand. 1,875,404; Sept. 6.

Holz, George A., Detroit, Mich. Lawn weeder. 1,882,423; Oct. 11.

Holz, Josef, Pforzheim, Germany. Instrument for removing corns and callosities without danger. 1,869,197; July 26.

Holz, Robert, Cincinnati, Ohio. Construction material and construction. 1,886,810; Nov. 8.

Holzach, Karl. (See Kämmerer, H., and Holzach.)

Holzach, Karl. (See Krzikalla, H., Holzach and Mueller.)

Holzach, Karl, (See Sonntag, E., and Holzach.)

Holzach, Karl, Ludwigshafen-on-the-Rhine, H. Krzikalla, Mannheim, and W. Mueller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,892,055; Dec. 27.

Holzapfel, Eduard, O. Braunsdorf, and H. Lange, Hoechst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of the benzantirone series and preparing them. 1,844,163; Feb. 9.

Holzapfel, George C., Houston, Tex., assignor to Richfield Oil Company of California, Los Angeles, Calif. Gas carburetor and method of carburetion. 1,890,058; Dec. 6.

Holzapfel, Karl F. E., Munster, Germany. Method and apparatus for filling bags. 1,861,443; June 7.

Holzapfel, Karl F. E., Munster, assignor to Fried. Krupp Grusonwerk A. G. Magdeburg-Buckau, Germany. Rotary drum. 1,857,785; May 10.

Holzapfel, Karl F. E., Munster, assignor to Fried. Krupp Grusonwerk A. G., Magdeburg-Buckau, Germany. Grinding body. 1,864,542; June 28.

Holzberg, Barend P., Washington, D. C. Fastener. 1,852,496; Oct. 11.

Holzer, Lorenz. (See Müller, R., and Holzer.)

Holzer, Max. (See Schultz, W. C., and Holzer.)

Holzhydrolyse Aktiengesellschaft. (See Bergius, F., Koch, and Faerber, assignors.)

Holzhydrolyse Aktiengesellschaft. (See Fürber, Eduard, assignor.)

Holzinger, William S. (See Reichert, E. A., and Holzinger.)

Holzman, Paul A. (See Miller, Henry R., assignor.)

Holzwarth, Charles, Parlin, N. J. Cellulosic material and its manufacture. 1,888,952; Nov. 22.

Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)

Holzwarth Gas Turbine Co. (See Schilling, Rudolph, assignor.)

Holzwarth Gas Turbine Co. (See Schüle, Wilhelm, assignor.)

Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Combined steam and gas turbine and operating the same. 1,840,509; Jan. 12.

Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Pressure damping mechanism. 1,852,164; Apr. 5.

Holzworth, Charles K., Chambers, Ohio. Blast furnace tuyère. 1,862,341; June 7.

Homan, Clayton H., Cleveland, Ohio, assignor, by mesne assignments, to General Spring Bumper Corporation. Bumper grinding machine. 1,881,629; Oct. 11.

Homan, Walter A., assignor to I-O Separator Company, Denver, Colo. Ionic separator. 1,875,501; Aug. 16.

Home, Alexander S., Tampashores, Fla. Freight car door. 1,862,932; June 14.

Homer, Otto F., and H. L. Young, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method and machine for splicing rubber tubes. 1,869,690; Aug. 2.

Hommel, Andrew. (See De Witt, W. J., Pierce, and Hommel.)

Hommel, George L., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyeglass and spectacle case. Des. 87,878; Oct. 4.

Hon, Hattie, and H. H. Shumaker, Memphis, Tenn. Attachment for piano keyboards. 1,865,370; June 28.

Honda, Kotaro, and T. Kase, assignors to Research Institute for Iron, Steel and Other Metals, Sendai, Japan. Metallic alloy. 1,881,210; Oct. 4.

Honde Engineering Corporation. (See Casper, Anthony B., assignor.)

Hönel, Herbert, Vienna, Austria, assignor to Beck, Koller & Company, Inc., Detroit, Mich. Artificial mass and making the same. 1,870,455; Aug. 9.

Hönel, Herbert, Vienna, Austria, assignor to Beck, Koller & Company, Inc., Detroit, Mich. Mixed ester composition and making the same. 1,870,454; Aug. 9.

Hönel, Herbert, Vienna, Austria, assignor to Beck, Koller & Company, Inc., Detroit, Mich. Artificial mass and making the same. 1,870,455; Aug. 9.

Honer, Henry, Palms Station, Calif. Stove. 1,865,911; July 5.

Honer, Michael A., Weeping Water, Nebr. Corn drill cover. 1,882,602; Oct. 11.

Honey, Alfred E., Ilford, assignor to J. Stone & Company, Limited, Deptford, England. Automatic regulating, controlling, and switching means for electrical train lighting and like installations. 1,861,717; Dec. 27.

Honey Candy Company, The. (See Stratton, Nellie J., assignor.)

Honeycutt, Alba C. (See Kreimer, J., and Dewar, assignor.)

Honeycutt, Curtis E., and J. L. Alexander, Gastonia, N. C. Reducing textile waste. 1,857,510; May 10.

Honig, Bernard A., De Steeg, Netherlands, and F. Ebener, Essen, Germany. Tile and floor with special metal wearing surface. 1,875,711; Feb. 16.

Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Magnetic slip-clutch and winding mechanism. 1,862,267; June 7.

Hönig, Stefan, Sen., Reichstein, near Konigstein-on-the Elbe, Germany. Device for saving the crew of sunken vessels, especially submarines. 1,844,763; Feb. 9.

Honigbaum, Harry H., New York, N. Y. Holder for cigars or cigarettes. 1,876,299; Sept. 6.

Honiss, William T. (See Mulholland, V., and Honiss.)

Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Automatic temperature control. 1,842,367; Jan. 19.

Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Automatic temperature control. 1,842,368; Jan. 19.

Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Combustion chamber for leers. 1,849,037; Mar. 8.

Honours, Oscar L., assignor to Whitin Machine Works, Whitinsville, Mass. Drawing roll coupling. 1,891,539; Dec. 20.

Honold, Ernst. (See Kalischer, G., and Honold.)

Honold, Ernst. (See Kalischer, G., Ritter, and Honold.)

Honold, Ernst. (See Muller, R., and Honold.)

Honold, Ernst. (See Nawiasky, P., Honold, and Wolff.)

Honold, Ernst. (See Neresheimer, H., Honold and Böhner.)

Honold, Ernst. (See Neresheimer, H., and Honold.)

Honold, Ernst. (See Wolff, H., and Honold.)

Honold, Ernest, Frankfort-on-the-Main, Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Brown vat dyestuffs of the benzanthrone acridine series and making the same. 1,861,921; June 7.

Honold, Ernst, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the benzanthrone series and making same. 1,877,178; Sept. 13.

Honold, Ernst, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 1-hydroxy-4-halogen-anthraquinone-2-sulfonic-acid and making same. 1,886,017; Nov. 1.

Honold Manufacturing Company. (See Leicht, Fred, assignor.)

Honsaker, Charles C., Philadelphia, Pa. Colonic tube. 1,879,249; Sept. 27.
Honsowetz, Isabelle, Coeur d'Alene, Idaho. Hanger. 1,865,757; July 5.
Honstain, Vernon G., Minneapolis, Minn. Railway track crossing and the like. 1,844,284; Feb. 9.
Hoobler, Elba V., Waterville, Ohio. Combination truck and roller. 1,855,108; Apr. 19.
Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 1,865,009; June 28.
Hood, Charles R., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling mechanism for shoe machines. 1,865,856; July 5.
Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Producing revivified ultraviolet transmitting glasses. 1,889,067; Nov. 29.
Hood, James M., Chicago, Ill., assignor to Featheredge Rubber Company Inc. Molding sponge rubber articles. 1,857,085; May 3.
Hood, Hayden C., Upper Darby, Pa. Lock bolt fastener and door opener. 1,847,564; Mar. 1.
Hood, John V., Racine, Wis. Collapsible box. 1,862,855; June 14.
Hood, Robert A., and J. J. Shickluna, Buffalo, N. Y. Milk bottle carrier. 1,863,136; June 14.
Hood Rubber Company. (See Burnham, Laurence H., assignor.)
Hood Rubber Company. (See Flirk, John H., assignor.)
Hood Rubber Company. (See Fowler, Fred D., assignor.)
Hood Rubber Company. (See Glidden, A. A., and Knowland, assignors.)
Hood Rubber Company. (See Glidden, A. A., Knowland, and Dow, assignors.)
Hood Rubber Company. (See Perrault, Joseph E., assignor.)
Hood, Thomas H., assignor to Extension Garment Hanger Company, Inc., Dallas, Tex. Extension garment hanger. 1,861,273; May 31.
Hoodless, William H., Philadelphia, Pa. Machine for centering sugar bags on carrying belts. 1,843,281; Feb. 2.
Hook, Charles H., Pittsburgh, and N. L. Mercur, McKeesport, Pa. Valve mechanism. 1,871,057; Aug. 9.
Hook, Charles H., Pittsburgh, and N. L. Mercur, McKeesport, Pa. Combination pressure regulating and shut-off valve. 1,874,293; Aug. 30.
Hook, George R., assignor to The Westminster Tool and Electric Company Limited, London, England. Handle of tools driven by flexible shafts. 1,849,427; Mar. 15.
Hook, Ira T., New Haven, assignor to The American Brass Company, Waterbury, Conn. Flux for brazing and welding. 1,848,884; Mar. 8.
Hook, Walter W., Los Angeles, Calif. Bootjack. 1,866,760; July 12.
Hooker, Albert H., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Making cellulose products. 1,847,111; Mar. 1.
Hooker, Benjamin R., San Augustine, Tex. Bath apparatus. 1,844,038; Feb. 9.
Hooker Electrochemical Company. (See Beanblossom, Walter S., assignor.)
Hooker Electrochemical Company. (See Hooker, Albert H., assignor.)
Hooker Electrochemical Company. (See Stuart, Kenneth E., assignor.)
Hookless Fastener Company. (See Craig, William D., assignor.)
Hookless Fastener Company. (See Freysinger, John B., assignor.)
Hookless Fastener Company. (See Norton, Samuel H., assignor.)
Hookless Fastener Company. (See Poux, Noel J., assignor.)
Hookless Fastener Company. (See Statham, Noel, assignor.)
Hookless Fastener Company. (See Sundback, Gideon.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hookless Fastener Company. (See Trotter, Arthur H., assignor.)
Hookless Fastener Company. (See Whitney, Ernest M., assignor.)
Hooley, John W., Larchmont, N. Y. Match package. 1,885,723; Nov. 1.
Hooley, Leonard J. (See Tatum, W. W., Todd, Hooley and Thomas.)
Hooley, Leonard J., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Manufacture of amides of the benzene, naphthalene and acenaphthene series. 1,891,159; Dec. 13.
Hooper, Charles W. (See Pitkin, G. F., and Hooper.)
Hooper, Effie C. (See Curtis, Thomas J., assignor.)
Hooper, Elmer A., assignor to The McCathron Boiler Works Co., Bridgeport, Conn. Cleaning or plating tank. 1,852,750; Apr. 5.
Hooper, F. X., Company, Inc. (See Greenwood, Henry B., assignor.)
Hooper, Henry S., Old Town, Me., assignor to Penobscot Chemical Fibre Company. Process for producing fiber or pulp. 1,887,241; Nov. 8.
Hooper, Irene F. (See Devers, P. K., and Hooper.)
Hooper, Ward W., Hollister, Calif. Motor vehicle axle. 1,888,129; Nov. 15.
Hoopes, Chester B. (See Nagle, C., and Hoopes.)
Hoopes, Penrose B. (See Van Veen, Anton, assignor.)
Hoopes, Penrose R., Hartford, Conn. Trimming machine. 1,862,538; June 14.
Hoos, Benjamin G. (See Schur, M. O., and Hoos.)
Hoos, Benjamin G. (See Schur, M. O., Rasch, and Hoos.)
Hoose, William M. (See Stipes, R. W., and Hoose.)
Hoosier Lamp and Stamping Corporation. (See Moll, Walter, assignor.)
Hoosier Manufacturing Company, The. (See Hall, Harry A., assignor.)
Hoover, William R., Brookline, Pa. Electrically operative sterilizer. 1,868,323; July 19.
Hoover, Augustus L. (See Hoover, Thomas A., assignor.)
Hoover, Charles E., Lancaster, Pa. Battery terminal. 1,844,011; Feb. 9.
Hoover, Charles W., Burbank, assignor to Phillips Petroleum Company, Bartlesville, Okla. Roller swing. 1,851,908; Mar. 29.
Hoover, Chester L., Warsaw, Ind. Removable and adjustable handle for baskets. 1,848,218; Mar. 8.
Hoover Company, The. (See Babcock, Earl, assignor.)
Hoover Company, The. (See Ballou, Harry R., assignor.)
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Boyer, Harold H., assignor.)
Hoover Company, The. (See Burkhardt, Chandos, assignor.)
Hoover Company, The. (See Butzer, Eugene, assignor.)
Hoover Company, The. (See Cummings, Stanley R., assignor.)
Hoover Company, The. (See Davidson, Walter C., assignor.)
Hoover Company, The. (See Fairfax, Howard G., assignor.)
Hoover Company, The. (See Hampson, Edward A., assignor.)
Hoover Company, The. (See Hudson, Willis F., assignor.)
Hoover Company, The. (See Jones, Alfred T., assignor.)
Hoover Company, The. (See Kitto, William H., assignor.)
Hoover Company, The. (See Lowry, Millard F., assignor.)
Hoover Company, The. (See Lucke, Charles E., assignor.)
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Hoover Company, The. (See Sluss, Arthur F., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See Swartz, Richey L., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hoover, George S., Wellsburg, W. Va. Manufacture of valves in paper sacks. 1,892,237; Dec. 27.
Hoover, George W., Jr., Washington, D. C. Holding and releasing device for aeroplanes. 1,844,506; Feb. 9.
Hoover, Harry, assignor to A. Maskow, New York, N. Y. Moving picture projector. 1,859,313; Jan. 5.
Hoover, Howard L., Battle Creek, Mich. Gear shifting lever. 1,861,394; May 31.
Hoover, John E., Elmhurst, Ill. Skewer. 1,890,907; Dec. 13.
Hoover, Kenneth H. (See Segur, J. B., and Hoover.)
Hoover, Kenneth H., Deerfield, Ill., assignor to Association of American Soap and Glycerine Producers, Inc. Resinous condensation products. 1,853,049; Apr. 12.
Hoover, Ray, Plainfield, and F. J. Haupt, Bergenfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Tape reperforator. 1,851,838; Mar. 29.
Hoover, Ray, and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Quotation board printing unit. 1,861,414; May 31.
Hoover, Ray, North Plainfield, and F. J. Haupt, Bergenfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Rub out signal deleter for tape transmitters. 1,865,479; June 14.
Hoover, Ray, and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Quotation board printing unit. 1,861,565; Oct. 11.
Hoover Steel Ball Company. (See Pew, Thomas C., assignor.)
Hoover, Thomas A., Oakland, assignor of one-third to A. L. Hoover, Los Angeles, one-third to I. Bensberg, Los Gatos, and one-third to E. Putnam, Oakland, Calif. Vehicle suspension. 1,858,930; May 17.
Hope, Earl W., assignor to The A. I. Root Company, Medina, Ohio. Honey extractor. 1,886,954; Nov. 8.
Hope, Ernest, and A. E. Richards, Leicester, England, assignors to Platt Bros. & Company Limited, Patterson, N. J. Work locating and guiding device. 1,859,513; May 24.
Hope, Ernest, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing tool. 1,891,985; Dec. 27.
Hope, Robert De V., Fanwood, and H. Ruegg, Paterson, N. J., said Ruegg assignor to said Hope. Method and apparatus for finishing cloth. 1,873,635; Aug. 23.
Hope, Samuel N., Wauwatosa, Wis., assignor to Dudley Lock Corporation, Chicago, Ill. Permutation lock. 1,845,021; Feb. 16.

Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Sheet dispensing cabinet. 1,852,503; Apr. 5.

Hope, Samuel N., Wauwatosa, Wis., assignor to Dudley Lock Corporation, Chicago, Ill. Locker latch. 1,864,306; June 21.

Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Neck-strip dispenser. 1,878,399; Sept. 20.

Hopeck Engraving Company. (See Hofmann, W., and Brucks, assignors.)

Hopewell Brothers. (See Wolfard, Merl R., assignor.)

Hopff, Heinrich. (See Meyer, K. H., and Hopff.)

Hopff, Heinrich, Ludwigshafen-on-the-Rhine, and M. Dunkel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of organic compounds containing oxygen from carbon monoxide and halogenated nonaromatic hydrocarbons. 1,861,989; Dec. 27.

Hopkins, Adelbert C., Spokane, Wash. Double ended clothespin. 1,875,461; Sept. 6.

Hopkins, Alfred H., Detroit, Mich. Packing holder for cone and other garments. 1,861,274; May 31.

Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Metal can and closure therefor. 1,861,570; June 7.

Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Sheet metal can. 1,870,373; Sept. 27.

Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Sheet metal container. 1,869,210; Oct. 4.

Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Metal can and closure therefor. 1,861,569; June 7.

Hopkins, Benjamin F., and J. Y. O. Palm, Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing. 1,863,809; June 21.

Hopkins, Benjamin H., Wyman Dam, Me. Cable gripping device. 1,854,140; Apr. 12.

Hopkins, Charles, Pottstown, Pa. Die. 1,879,250; Sept. 27.

Hopkins, Durward K., assignor to W. E. Kastlen and J. F. Hanks, Peoria, Ill. Welding machine. 1,877,874; Sept. 20.

Hopkins, Ethan C., Belmont, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Coating apparatus. 1,869,691; Aug. 2.

Hopkins, George H. (See Garner, H. H., Nohavec, and Hopkins.)

Hopkins, George W., Cleveland, Ohio. Automatic control apparatus. 1,856,638; May 3.

Hopkins, George W., Cleveland, Ohio. Reel. 1,867,743; July 19.

Hopkins, George W., Cleveland, Ohio. Film drier. 1,888,596; Nov. 22.

Hopkins, Horace H., Philadelphia, Pa., and J. B. Segur, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ether compositions. 1,855,744; Apr. 26.

Hopkins, James D., Midway, Ky. Magnetic axle puller. 1,857,049; May 3.

Hopkins, John C., Lakewood, Ohio. Tuyère. 1,870,511; Aug. 9.

Hopkins, Leslie A., Detroit, Mich. Electric heater. 1,892,211; Dec. 27.

Hopkins, Loren L., Woodcliff, N. J. Sanding device for vehicles. 1,870,107; Sept. 27.

Hopkins, Marion B., Elizabeth, N. J., assignor to Standard Oil Development Company. Extraction of valuable ingredients from heat sensitive raw materials. 1,877,159; Sept. 20.

Hopkins, Nathan F., Rockland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lockstitch shoe sewing machine. 1,839,390; Jan. 5.

Hopkins, Ralph Z., E. E. Sellers, and H. D. Raymond, assignors to Hudson Motor Car Company, Detroit, Mich. Drawing furnace. 1,841,533; Jan. 19.

Hopkins, Ralph Z., and W. D. Ogden, assignors to Hudson Motor Car Company, Detroit, Mich. Applying lacquer or the like. 1,861,475; June 7.

Hopkins, Ralph Z., and E. F. Seger, assignors to Hudson Motor Car Company, Detroit, Mich. Striping device. 1,851,586; Oct. 11.

Hopkins, Ralph Z., and E. F. Seger, assignors to Hudson Motor Car Company, Detroit, Mich. Striping device for automobile bodies. 1,851,587; Oct. 11.

Hopkins, Ralph Z., and E. F. Seger, assignors to Hudson Motor Car Company, Detroit, Mich. Striping device for automobile bodies. 1,882,844; Oct. 18.

Hopkins, Richard M., Rutherford, N. J., and F. P. McIntosh, assignors to American District Telegraph Company, New York, N. Y. Electric protection system for bank vaults, etc. 1,867,334; July 19.

Hopkins, Robert C., Alliance, Ohio. Shaft packing. 1,891,275; May 31.

Hopkins, Robert C., Alliance, Ohio. Rotary cutting, mixing and attrition mill. 1,873,409; Aug. 23.

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic recording machine. 1,861,859; June 7.

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for flattening prints. 1,870,626; Aug. 9.

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing machine. 1,878,702; Sept. 20.

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Flattening prints. 1,880,451; Oct. 4.

Hopkins, Stanley. (See Schinke, Erich, assignor.)

Hopkins, Thomas D., Montgomery, Ala. Fountain pen clip. 1,850,796; Mar. 22.

Hopkins, Thomas D., Montgomery, Ala. Inkstand and bottle. 1,873,203; Aug. 23.

Hopkins, William E., Oakland, Calif. Cargo hook. 1,890,509; Dec. 13.

Hopkins, William W. (See McMurtrie, John F., assignor.)

Hopkinson, Ernest, New York, N. Y. Carpet fabric and making same. 1,854,193; Apr. 19.

Hopkinson, Ernest, New York, N. Y. Manufacturing rubberized cords. 1,871,412; Aug. 9.

Hopley, Charles P., Montreal, Quebec, Canada. Rail grinding machine. 1,843,726; Feb. 2.

Hopp, Max, assignor of one-half to M. Levine, New York, N. Y. Carbon attached printed form. 1,849,715; Mar. 15.

Hopp, Phillip, New York, N. Y. Price ticket holder. 1,864,491; June 21.

Hoppe, Wilhelm, Heiligensee, A. E. G Siedlung, Germany, assignor to General Electric Company. Mercury arc rectifier support. 1,857,193; May 10.

Hoppe, Boris B., Kew Gardens, N. Y. Fastening or holding device. 1,883,604; Oct. 11.

Hoppe, Emil C., Elizabeth, N. J. Device for aerating liquids. 1,888,503; Nov. 22.

Hoppe, Friedrich A., assignor to The Petersen Oven Company, Chicago, Ill. Humidifier for bake ovens. 1,878,519; Sept. 20.

Hoppe, Friedrich A., assignor to The Petersen Oven Company, Chicago, Ill. Bake oven. 1,878,703; Sept. 20.

Hoppe, Friedrich A., assignor to Schmidt Securities Company, Chicago, Ill. Bake oven. 1,890,681; Dec. 13.

Hoppe, George R., Los Angeles, Calif. Protective hat lining. 1,852,930; Apr. 5.

Hoppe, Gotthold, Copenick-Wendenschloss, Germany. Intermittently acting feeding device. 1,859,785; Dec. 6.

Hoppe, Walter H., Rochester, and C. L. Swanton, Churchville, assignors to General Railway Signal Company, Rochester, N. Y. Control apparatus for power operated switch machines. 1,877,876; Sept. 20.

Hopper, Francis L., Pasadena, Calif, assignor to Electrical Research Products Inc., New York, N. Y. Apparatus for measuring reverberation time. 1,868,105; July 19.

Hopper, Herschel M., Smarrs, Ga. Registering walking stick. 1,841,951; Jan. 19.

Hopper, Warren. (See Gurnee, I. Q., and Hopper.)

Hoppes, Charles E. and E. F., assignors to The Everwear Manufacturing Company, Springfield, Ohio. Merry-go-round. 1,864,733; June 28.

Hoppes, Edwin F. (See Hoppes, Charles E. and E. F.)

Hoppes, Edwin F., assignor to The Everwear Manufacturing Company, Springfield, Ohio. Playground apparatus. 1,864,734; June 28.

Hoppes, Thomas O., Tamaqua, Pa. Portable bleacher stand. 1,839,679; Jan. 5.

Höppler, Ernst F., and J. W. Haake, Dresden, assignors to the Firm Henkel & Cie. Gesellschaft mit beschrankter Haftung, Dusseldorf, Germany. Producing powderous swelling starches adapted to form an adhesive when mixed with cold water. 1,878,852; Sept. 20.

Hopson, W. C. Company. (See Hopson, William C., assignor.)

Hopson, William C., assignor to W. C. Hopson Company, Grand Rapids, Mich. Humidifier. 1,867,835; July 19.

Hopwood, Ernest P., Portland, Oreg. Ventilator. 1,856,810; May 3.

Hopwood, John M. (See Peebles, Thomas A., assignor.)

Hopwood, John M. (See Smith, George W., assignor.)

Hopwood, John M., Pittsburgh, Pa. Fuel-air ratio control system. 1,869,372; Aug. 2.

Hopwood, William B., Beacon Falls, assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Combined sole and heel. Des. 86,026; Jan. 6.

Hopwood, William B., Beacon Falls, and H. S. Marior, assignors to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Combined sole and heel. Des. 86,025; Jan. 19.

Horacek, Paul. (See Hekler, C. P., and Horacek.)

Horák, Václav, Prague, Czechoslovakia. Filter insertion. 1,873,410; Aug. 23.

Horawa, Frank, Detroit, Mich. Rotary compressor. 1,850,394; Mar. 22.

Horbatuck, Wesley, New York, N. Y. Easel. 1,879,251; Sept. 27.

Hord, Peyton R., Pittsburgh, Pa. Furnace feeding device. 1,891,511; Dec. 20.

Horzer, James M., Corrigan, Tex. Firearm. 1,867,569; July 19.

Horzer, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Split axle housing. 1,871,061; Aug. 9.

Horzer, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Journal box construction. 1,886,018; Nov. 1.

Hori, Shoichiro, Yoyohatacho, Toyotamagun, Tokyo Fu, Japan. Manufacturing ammonium sulphate or salts containing it. 1,888,626; Nov. 22.
Horii, Shinjiro, Kanda-Ku, Tokyo, Japan. Stencil sheet. 1,885,261; Nov. 1.
Horix Manufacturing Company. (See Hauger, D. M., Weaver, and Wolbert, assignors.)
Horlacher, Carl P. (See Baumann, A., and Horlacher.)
Hormel, August. (See Wagner, C., and Hormel.)
Hormel, Charles C., Denver, Colo. Reel for metallic tapes. 1,890,945; Dec. 13.
Hormel, Jay C., Denver, Colo., assignor to The Allen-Sherman-Hoff Company. (Grab bucket and skip hoist. 1,873,764; Aug. 23.
Hormel, Geo. A., Company. (See Hormel, Jay C., assignor.)
Hormel, Jay C., assignor to Geo. A. Hormel Company, Austin, Minn. Food container. Des. 87,515; June 7.
Hornes, William T., Clonsville, Md. Shelving structure. 1,867,543; July 12.
Hornes, William T., Baltimore, Md. Pilaster. 1,870,048; Aug. 2.
Horn, A. C., Company. (See Horn, Aaron C., assignor.)
Horn, Aaron C., New York, assignor to A. C. Horn Company, Long Island City, N. Y. Building structure. 1,848,014; Mar. 1.
Horn, Alfred F., assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Shade or reflector. Des. 86,774; Apr. 19.
Horn, Clarence A., Elizabeth, N. J. Electron device. 1,869,896; Aug. 2.
Horn, Clarence A., Rahway, assignor to Arcturus Radio Tube Company, Newark, N. J. Multiple filament rectifier. 1,869,560; Aug. 2.
Horn, Clarence A., Rahway, assignor to Arcturus Radio Tube Company, Newark, N. J. Double plate rectifier. 1,869,561; Aug. 2.
Horn, Clarence A., Rahway, and R. J. Heitzman, Union City, assignors to Arcturus Radio Tube Company, Newark, N. J. Tube element support. 1,868,604; July 26.
Horn, Ernst, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,865,187; June 28.
Horn, Ernst, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,865,188; June 28.
Horn, Erwin, and O. Florian, Stuttgart-Cannstatt, Germany, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Feeding mechanism for bake ovens. 1,843,282; Feb. 2.
Horn, Guido, Berlin-Weissensee, Germany. Brake for vehicles. 1,846,332; Feb. 23.
Horn, Guido, Weissensee, near Berlin, Germany. Master operator for hydraulic brake systems and the like. 1,875,003; Aug. 30.
Horn, Guido, Weissensee, near Berlin, Germany. Round braiding machine. 1,864,249; June 21.
Horn, Heinrich, Dresden, Germany. Machine for working liquid pulverulent, and granular masses. 1,850,150; Mar. 22.
Horn, Jim E., Leonard, Tex. Plant chopper and all purpose hoe. 1,853,729; Apr. 12.
Horn, Peter, and W. Zipp, Brooklyn, N. Y. Game. 1,872,454; Aug. 16.
Horn, Wilbert G., Pilot Rock, Oreg. Electric operating mechanism. 1,872,277; Sept. 20.
Horn, William, Marietta, Ohio. Oil well agitator. 1,865,912; July 5.
Horn, William M., Hampton, Va., assignor to Horace E. Dodge Boat & Plane Corporation, New York, N. Y. Shaft-log and stuffing-box structure. 1,868,064; July 19.
Horn, William W., River Forest, Ill. Folding stand. 1,888,085; May 10.
Hornauer, Willy, Berlin-Neukoelln, assignor to Telegraphie-Patent-Syndikat G. m. b. H., Berlin, Germany. Magnetic sound record carrier. 1,846,110; Feb. 23.
Hornbaker, Joseph N., St. Petersburg, Fla. Digging implement. 1,888,170; Nov. 15.
Hornbeck, Frank E., Forest City, Pa. Sign. 1,844,958; Feb. 16.
Hornbeck, Harold L. (See Hornbeck, Henry S. and H. L.)
Hornbeck, Henry S. and H. L., Hampton Bays, L. I., N. Y. Strength testing machine. 1,861,012; May 31.
Hornbostel, Boyd, assignor to Beloit Iron Works, Beloit, Wis. Synchronous motor driven shake. 1,870,242; Aug. 9.
Hornbrook, Philip R., New York, N. Y. Extracting oil. 1,869,388; May 31.
Hornbruch, Frederick W., Roselle Park, assignor to American Gas Furnace Company, Elizabeth, N. J. Gas control valve operated by air pressure. 1,853,863; Apr. 12.
Hornbuckle, William F., and R. F. Craig, Stanley, N. C. Blocking apparatus. 1,889,442; Nov. 29.
Horne, Alexander R. G., Toronto, Ontario, Canada. Feed gauge for printing presses. 1,850,625; Mar. 22.
Horne, Andrew, Uniontown, Pa. Singletree. 1,859,142; May 17.
Horne, Burchard E., Andover, Mass. Pressure reducing valve. 1,876,937; Sept. 13.
Horne, Burchard E., Andover, Mass. Pressure relief valve. 1,876,938; Sept. 13.
Horne, Christopher M., Arlington, Mass. Portable transformer and hoist. 1,879,848; Sept. 27.
Horne, Frederick E., Malden, assignor of one-half to R. Bacon, Winchester, Mass. Well and unit for use therein. 1,860,180; May 24.
Horne, Frederick E., Malden, assignor of one-half to R. Bacon, Winchester, Mass. Imitation masonry wall and units used therein. 1,860,181; May 24.
Horne, George H., Glendale, and M. A. Lissman, Alhambra, assignors to International Precipitation Company, Los Angeles, Calif. Gas cleaning and heat transfer apparatus. 1,875,341; Sept. 6.
Horne, George H., Glendale, and M. A. Lissman, assignors to International Precipitation Company, Los Angeles, Calif. Treating gases. 1,886,548; Nov. 8.
Horner, Birdie O., Covington, Ky. Tray for hospital beds. 1,841,264; Jan. 12.
Horner, Birdie O., Covington, Ky. Tray mounting means far attachment to beds. 1,876,230; Sept. 6.
Horner, George, assignor to George Gorton Machine Company, Racine, Wis. Engraving and other machine. 1,889,660; Nov. 29.
Horner, Harold A., Wilkinsburg, Pa. Smoke indicator. 1,861,190; Oct. 4.
Horner, Leon H., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle drive for spinning or twisting machines. 1,869,692; Aug. 2.
Horni, Joseph, Newark, N. J. Street sign. 1,851,046; Mar. 29.
Horni, Paul P., Newark, N. J. Traffic indicator or marker. 1,850,173; Mar. 22.
Horni, Paul P., Newark, N. J. Light reflecting unit. 1,851,588; Oct. 1.
Horni, Paul P., and R. M. Sutphen, Newark, N. J.; said Sutphen assignor to said Horni. Light reflecting unit. 1,858,298; May 17.
Hornidge, Henry T., et al., trustees. (See Cassidy, Thomas A., assignor.)
Hornig, August W., Chicago, Ill. Manufacture of laminated glass. 1,881,281; Dec. 27.
Hörning, Franz, Steinheim, Germany. Installation for heating the ground. 1,858,330; May 17.
Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,847,612; Mar. 1.
Horning, Harry Le Van, assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,875,620; Sept. 6.
Hornsey, Edward L., Boston, Mass. Cap for tubes. 1,845,359; Feb. 2.
Hornsey, John W., Summit, N. J., assignor to Granular Iron Company. Treatment of iron ores and the like. 1,841,602; Jan. 19.
Hornung, Anton N., Los Angeles, Calif. Latch assembly for refrigerator doors. 1,880,251; Oct. 4.
Horochowsky, Anthony, assignor of one-third to C. Lefebick, Elizabeth, N. J. Electric signal and switch therefor. 1,879,252; Sept. 27.
Horowicz, Eugen, Charlottenburg, Germany, assignor to General Electric Company. Fault responsive apparatus. 1,867,406; July 12.
Horowitz, Max. (See Koretzky, H., Horowitz, and Desimone.)
Horowitz, Robert, Bronx, N. Y. Light control mechanism for projectors. 1,860,965; Aug. 2.
Horrocks Desk Company. (See Kretchmar, Max A., assignor.)
Horrocks, Harry S. (See Ames, E. W., and Horrocks.)
Horrocks-Ibbotson Company. (See Lauterbach, John, assignor.)
Horsburgh, George D. L., and H. S. Levick, assignors of one-half to Swift Levick and Sons Limited and one-half to Darwins Limited, Sheffield, England. Permanent magnet. 1,875,004; Aug. 30.
Horscroft, Theodore, assignor of eleven-twentieth to John L. McDowall, Perth Amboy, N. J. Auxiliary air inlet. 1,870,411; Aug. 9.
Horsfeld, Basil T., Badin, N. C., assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of metallic oxides. 1,871,792; Aug. 16.
Horsfeld, Basil T., Badin, N. C., assignor to Aluminum Company of America, Pittsburgh, Pa. Purified metallic oxide. 1,871,793; Aug. 16.
Horsfeld, Basil T., Badin, N. C., and L. W. Kempf and W. L. Fink, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum-silicon alloy. 1,879,748; Sept. 27.
Horsley, George F., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Removal of acetylene from gases. 1,854,141; Apr. 12.
Horsley George F., Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, Westminster, London, England. Separating and recovering olefines from gases containing same. 1,875,924; Sept. 6.
Horsley, Robert L., Memphis, Tenn. Press for making mops. 1,882,605; Oct. 11.
Horsman, Henry S., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,882,845; Oct. 18.
Horspool, Francis L. (See Duckworth, T. O., and Horspool.)
Horst, Gustav T., Mission, S. Dak. Corn planter attachment. 1,867,075; July 12.
Horst, Harry A., and L. O. Horst, Mount Joy, Iowa. Spacing punch. 1,843,323; Feb. 2.

Horst, Horst-Dietrich v. d., Mannheim, and R. Wietzel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde. 1,856,639; May 3.

Horst, Leroy O. (See Horst, H. A. and L. O.)

Horst, Ludwig, Berlin-Steglitz, Germany, assignor to "Sirius" Kleuren-Film-Maatschappij, Bosch en Duin, Netherlands. Apparatus for applying solutions. 1,847,833; Mar. 1.

Horste, Joseph E., assignor to Detroit Harvester Company, Detroit, Mich. Power take off for Ford trucks. 1,860,246; May 24.

Horste, Joseph E., assignor to Detroit Harvester Company, Detroit, Mich. Mower attachment for tractors. 1,860,247; May 24.

Horste, Joseph E., assignor to Detroit Harvester Company, Detroit, Mich. Drilling machine. 1,865,567; July 5.

Horsting, William F., Wilmette, Ill. Liquid measuring device. 1,853,813; Apr. 12.

Horsting, William F., Wilmette, assignor to Leather Equipment Company, Inc., Chicago, Ill. Felt stretching frame. 1,866,709; July 12.

Horsting, William F., Wilmette, assignor to Leather Equipment Company, Inc., Chicago, Ill. Tension frame. 1,877,877; Sept. 20.

Horst-Kotte, Arthur E. (See Feldman, William E., assignor.)

Horstkotte, Edward H. (See Thompson, L. W., and Horstkotte.)

Horstkotte, Edward H., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,846,870; Feb. 23.

Horstkotte, Edward H., Schenectady, N. Y., assignor to General Electric Company. Tellurium resistor for rerigerators. 1,879,253; Sept. 27.

Horstman, Elmer See West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor vent. 1,844,659; Feb. 9.

Horstman, John H., Dayton, assignor, by mesne assignments, of The Iverico Fork & Hoe Company, Cleveland, Ohio. Yard broom. 1,887,480; Nov. 8.

Horstmann, Sidney A., assignor to Slow Motion Suspension Limited. Spring suspension system for motor cars and vehicles of all kinds. 1,848,783; Mar. 8.

Horstmann, Sidney A., assignor, by mesne assignments, to Slow Motion Suspension Limited, Bath, England. Suspension system for motor cars and vehicles of all kinds. 1,877,878; Sept. 20.

Horstmann, Wm. H., Co. (See Roberts, Wilmer L., assignor.)

Horst, Hermann, Berlin-Westend, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Stabilizing device for ships. 1,888,667; Nov. 22.

Horst, Hermann, Berlin, Neuwestend, assignor to Gesellschaft für Elektrische Apparate, m. b. H., Berlin-Marienfelde, Germany. Steering gear for water and air vehicles. 1,890,293; Dec. 6.

Horsty, William and Lindgren, A. C., and Horthy.)

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Gripper mechanism. 1,866,566; July 12.

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll controlling device for printing machine. 1,881,589; Oct. 11.

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Mechanism for supplying webs of paper to a rotary printing press. 1,885,262; Nov. 1.

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism. 1,885,351; Nov. 1.

Horton, Allen A., Plymouth, Mich., assignor to Burroughs Adding Machine Company. Calculating machine. 1,853,650; Apr. 12.

Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Keyboard for calculating machines. 1,853,651; Apr. 12.

Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,853,652; Apr. 12.

Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,853,653; Apr. 12.

Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Transfer mechanism for calculating machines. 1,853,654; Apr. 12.

Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Electric drive for calculating machines. 1,853,655; Apr. 12.

Horton, Allen A., Detroit; K. H. Horton, Plymouth, and Detroit Trust Company, successor to Detroit & Security Trust Company, executors, assignors to Burroughs Adding Machine Company, Detroit, Mich. Support and housing for calculating machines. 1,858,778; May 17.

Horton, Arthur W., jr. (See Björnson, B. G., Horton, and Norwine.)

Horton, Arthur W., jr. (See Mathes, R. C., and Horton.)

Horton, Arthur W., jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Long distance telephone transmission. 1,844,424; Feb. 9.

Horton, Arthur W., jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Long distance telephone system. 1,884,697; Oct. 25.

Horton, Arthur W., jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Volume control system. 1,888,227; Nov. 22.

Horton, Benjamin E., et al. (See Dwofsky, Bernard, assignor.)

Horton, Benjamin W., assignor to Archibald M. McNeil, Modesto, Calif. Pavement breaker. 1,887,762; Nov. 15.

Horton, Charles, Ridgefield Park, N. J., assignor to Horton Radio Corporation, New York, N. Y. Radio circuit control. 1,851,514; Mar. 29.

Horton, Donovan W., et al. (See Dwofsky, Bernard, assignor.)

Horton, Elsie H., assignor to A. C. Paul, Minneapolis, Minn. Display or exhibition device. 1,865,758; July 5.

Horton, Ernest J., Pittsburgh, Pa., assignor to Ruud Manufacturing Company. Automatic cut-off valve. 1,885,724; Nov. 1.

Horton, Erwin C. (See Hueber, H., and Horton.)

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,861,698; June 7.

Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Resonator construction. 1,841,534; Jan. 19.

Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Multitone horn. 1,845,084; Jan. 29.

Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield heater. 1,868,232; July 19.

Horton, Erwin C., Hamburg, and H. Hueber, assignor to Trico Products Corporation, Buffalo, N. Y. Compressed air operated windshield cleaner system. 1,874,294; Aug. 30.

Horton, Frank J., and R. W. Lewis, assignors to General Spring Bumper Corporation, Detroit, Mich. Abrasive applying machine. 1,881,590; Oct. 11.

Horton, George T., Chicago, Ill. Tank. 1,844,854; Feb. 9.

Horton, George T., assignor to Chicago Bridge and Iron Company, Chicago, Ill. Hanger for floating roofs. 1,861,860; June 7.

Horton, George T., Chicago, Ill., assignor to Chicago Bridge and Iron Company. Container. 1,885,001; Nov. 1.

Horton, Gilbert L., Litchfield, Minn. Decoy. 1,875,733; Sept. 6.

Horton, Gustave A., assignor of one-half to A. G. Swygart, St. Paul, Minn. Combined filler and primer and making the same. 1,872,455; Aug. 16.

Horton, Joseph W. (See Harrison, W. A., and Horton.)

Horton, Joseph W., Millburn, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Frequency measuring circuit. 1,856,707; May 3.

Horton, Joseph W., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency measuring circuit. 1,864,543; June 28.

Horton, Joseph W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube mounting. 1,866,533; July 12.

Horton, Kathleen H., et al., executors. (See Horton, Allen A.)

Horton Manufacturing Company, The. (See Lagerblade, Herbert C., assignor.)

Horton Manufacturing Company, The. (See Thrope, Samuel T., assignor.)

Horton Radio Corporation. (See Horton, Charles, assignor.)

Horton, William J., Winnipeg, Manitoba, Canada. Attachment to cultivating machines. 1,870,850; Aug. 9.

Horton, Winthrop S., Farmingdale, assignor to Fairchild Aviation Corporation, New York, N. Y. Gun synchronizer. 1,848,720; Mar. 8.

Horvath, Alexander, Chicago, Ill. Apparatus for forming crystals. 1,877,403; Sept. 13.

Horvath, Anthony G., Dayton, Ohio, assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Water-softening apparatus. 1,866,890; July 12.

Horvath, Geza, Highland Park, Mich. Method of and machine for forming radiator elements. 1,840,317; Jan. 12.

Horvath, Geza M., Detroit, Mich. Radiator core. 1,840,318; Jan. 12.

Horvath, Geza M., Highland Park, Mich., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Sheet metal beading and trimming machine. 1,850,958; Mar. 22.

Horváth, Guido, Buenos Aires, Argentina. Container for tooth powder or similar medical products. 1,881,316; Oct. 4.

Horvath, Sepp, Houston, Tex. Seismograph. 1,842,968; Jan. 26.

Horwath, Julius, assignor to Arvey Corporation, Chicago, Ill. Display card. 1,851,280; Mar. 29.

Horwath, Julius, assignor to Arvey Corporation, Chicago, Ill. Self-supported display device. 1,890,682; Dec. 13.

Horwich, David, Chicago, Ill. Book support. 1,846,555; Feb. 23.

Horwitz, Alexander, New York, N. Y. Bases for use in the manufacture of greases. 1,881,591. Oct. 11.

Horwitz, Alexander, New York, N. Y. Compound and base for use in the manufacture of greases. 1,882,664; Oct. 18.

Horwitz, Meyer, Baltimore, Md. Coin controlled game apparatus. Des. 87,748; Sept. 13.

Hosbein, Louis H., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Still construction. 1,853,056; Apr. 12.

Hosbein, Louis H., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Furnace closure. 1,858,504; May 17.

Hosbein, Louis H., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,870,568; Aug. 9.

Hose, Henry G., Brooklyn, N. Y. Adjustable seat. 1,852,012; Apr. 5.

Hoseason, Donald B., Bowdon, England, assignor to General Electric Company. Squirrel cage induction machine. 1,881,122; Jan. 19.

Hoseason, Donald B., Bowdon, England, assignor to Associated Electrical Industries Limited. Dynamo electric machine. 1,857,023; May 3.

Hosenfeld, Martin, Berlin-Siemensstadt, Germany, assignor to Metal & Thermit Corporation, New York, N. Y. Electrolytic production of a particularly strong chromium coating. 1,845,978; Feb. 16.

Hosiery Machine Corporation. (See Miller, Max C., assignor.)

Hosking, Oakley W., Monroe, N. Y. Sand treating apparatus. 1,841,444; Jan. 19.

Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Burr forming tool. 1,843,675; Feb. 2.

Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Electrical connecter. 1,845,273; Feb. 16.

Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Lock washer. 1,866,304; July 5.

Hoskins, Earl, assignor of one-third to J. D. Fitzpatrick, Phoenix, Ariz. Air cooling system. 1,862,268; June 7.

Hoskins, Herbert W., and C. A. Hasslacher, Bridgeport, Conn. Film attaching means for motion picture reels. 1,847,945; Mar. 1.

Hoskins, John R. (See Mechling, E. H., and Hoskins.)

Hospital Appliances, Inc. (See Comper, Adrian, assignor.)

Hoss, Henry K., Delray Beach, Fla. Lubricator. 1,889,068; Nov. 29.

Hossfeld, Albert, Winona, Minn. Angle-bar bending die. 1,881,582; Oct. 11.

Hossfeld, Albert, Winona, Minn. Friction grip for drilling machines. 1,881,593; Oct. 11.

Hossfeld, Albert, Winona, Minn. Drilling machine. 1,888,668; Nov. 22.

Hossfeld, Albert, Winona, Minn. Friction grip for drilling machines. 1,888,669; Nov. 22.

Hotchkin, Paul M., assignor to Curtis Lighting, Inc., Chicago, Ill. Illuminating device. 1,881,594; Oct. 11.

Hotchkiss, Clarence F., jr., assignor to Stow Manufacturing Company, Binghamton, N. Y. Auger or boring device. 1,851,766; Mar. 29.

Hotchkiss, Clifford. (See Phelan, L. A. M., and Hotchkiss.)

Hotchkiss, Clifford, Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Applying closure to glass containers. 1,844,936; Feb. 16.

Hotchkiss, E. H., Company, The. (See Jones, Tom E., assignor.)

Hotchkiss, E. H., Company, The. (See Peterson, Roy E., assignor.)

Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)

Hotchkiss, Harry G. (See Wirz, H., and Hotchkiss.)

Hotchkiss, Henry T., jr., assignor. (See Bacon, R. F., and Hotchkiss, jr.)

Hotchkiss Steel Products Company. (See Harrold, Edward T., assignor.)

Hotchner, Fred. (See Drury, William P., assignor.)

Hotchner, Fred, Chicago, Ill. Discharge tube display. Re18,679; Dec. 6.

Hotchner, Fred, Chicago, Ill. Changeable luminous display sign. 1,843,980; Feb. 9.

Hotchner, Fred, Chicago, Ill. Fabricating vacuum vessels. 1,867,154; July 12.

Hotchner, Fred, Los Angeles, Calif. Flat tubeless ionization conductor sign. 1,865,253; June 28.

Hotchner, Fred, Los Angeles, Calif. Bending tubing. 1,874,012; Aug. 30.

Hotchner, Fred, Los Angeles, Calif. Self-insulated discharge tube terminal. 1,888,670; Nov. 22.

Hotchner, Fred, Los Angeles, Calif. Insulated discharge tube terminal. 1,888,671; Nov. 22.

Hotchner, Fred, Los Angeles, Calif. Switch. 1,890,510; Dec. 13.

Hotchner, Fred, Los Angeles, Calif. Discharge tube electrode. 1,891,475; Dec. 20.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Making container covers. 1,839,482; Jan. 5.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 1,847,245; Mar. 1.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sealing ring and making it. 1,856,335; May 3.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sheet gauging device for slitting machines. 1,868,707; July 26.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Apparatus for making lever opener container parts. 1,870,728; Aug. 9.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container forming machine. 1,872,294; Aug. 16.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Nozzle. 1,873,840; Aug. 23.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container assembling machine. 1,884,698; Oct. 25.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method of making friction closures. 1,884,699; Oct. 25.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Drawing press hydraulic cushion. 1,884,700; Oct. 25.

Hotopp, Alfred H., jr., Caldwell, N. J., assignor to Wired Radio, Inc., New York, N. Y. Radio filter apparatus. 1,863,050; June 14.

Hotopp, Alfred H., jr., Caldwell, N. J., assignor to Wired Radio, Inc., New York, N. Y. Radio receiving system. 1,874,295; Aug. 30.

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism. 1,840,627; Jan. 12.

Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting jack. 1,846,333; Feb. 23.

Hott, Ion von K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism. 1,872,592; Aug. 16.

Hottel, Louis W., Indianapolis, Ind. Molding press for hollow articles. 1,863,117; June 14.

Hottel, Ray, assignor of one-fourth to Corporation, Detroit, Mich. Ventilator. 1,862,147; June 7.

Hotter, Edward, Chicago, Ill. Die casting machine. 1,839,940; Sept. 1.

Hottmann, Charles W., Philadelphia, Pa. Stuffer. 1,847,690; Mar. 1.

Hottman, Charles W., jr., assignor to The Brown Clutch Company, Sandusky, Ohio. Hoist clutch control mechanism. 1,885,827; Nov. 1.

Hotz, Ernst. (See Kissling, A., Hotz, and Fitzky.)

Hotze, Charles, St. Louis, Mo. Golf bag. 1,868,979; July 26.

Houbigant, Inc. (See Manohs, Jacques, assignor.)

Houck, Ira C., trustee for Wallace F., assignor.)

Houck, Frank J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tool for inserting valve stems in inner tubes. 1,853,356; Apr. 12.

Houck, Harry W., East Orange, N. J., assignor, by mesne assignments, to Dubilier Condenser Corporation, New York, N. Y. Filtering arrangement for direct current. 1,840,770; Jan. 12.

Houck, John A., sr., Bellingham, Wash. Automobile gasoline tank baffle. 1,862,016; June 7.

Houck, Joseph C., Los Angeles, Calif. Advertising device. 1,877,463; Sept. 13.

Houdaille, Maurice, Levallois-Perret, France, assignor to Houde Engineering Corporation. Hydraulic shock absorber. 1,843,603; Feb. 2.

Houde Engineering Corporation. (See Fox, Merritt L., assignor.)

Houde Engineering Corporation. (See Houdaille, Maurice, assignor.)

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

Houde Engineering Corporation. (See Powis, Richard, assignor.)

Houdé Engineering Corporation. (See Shultz, Albert B., assignor.)

Houdry Process Corporation. (See Joseph, Alfred, assignor.)

Houdry Process Corporation. (See Ostrander, Arthur J., assignor.)

Hough, Arthur, Passaic, N. J. Explosive. 1,868,388; July 19.

Hough, Arthur, Passaic, J. R. Dufford, Paterson, W. C. Leonhard, Passaic, N. J. Nitration of shredded and baled cellulose. 1,884,922; Oct. 25.

Hough, Arthur, Passaic, J. R. Dufford, Paterson, and William C. Leonhard, Passaic, N. J. Treating wood pulp for nitration. 1,885,352; Nov. 1.

Hough, Azel C., Janesville, Wis., assignor to Hough Shade Corporation. Slat shade. 1,846,202; Feb. 23.

Hough, Clinton W., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Radio reception system. 1,861,183; May 31.

Hough, Clinton W., assignor to Wired Radio, Inc., New York, N. Y. Motion picture television system. 1,869,424; Aug. 2.

Hough, Clinton W., assignor to Wired Radio, Inc., New York, N. Y. System for projecting light in variant colors. 1,871,794; Aug. 16.

Hough, Clinton W., assignor to Wired Radio, Inc., New York, N. Y. High frequency generator and modulator. 1,886,188; Nov. 1.

Hough, Clinton W., assignor to Wired Radio, Inc., New York, N. Y. Facsimile system. 1,886,189; Nov. 1.

Hough, Clinton W., assignor to Wired Radio, Inc., New York, N. Y. System for projecting light in variant colors. 1,891,219; Dec. 13.

Hough, Clinton W., Boonville, assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Transmitting system. 1,863,374; June 14.

Hough, Edward H., Chicago, Ill. Battery connecter. 1,851,359; Mar. 29.

Hough, Howard S., Piedmont, Calif. Valve. 1,851,428; Mar. 29.

Hough, Frank G. (See North, R. B., Hough, and Miller.)

Hough, Otto V., assignor to Woods Brothers Construction Company, Lincoln, Nebr. Method and apparatus for anchorage of mattresses to screen poles. 1,859,923; May 24.

Hough Shade Corporation. (See Hough, Azel C., assignor.)

Hough Shade Corporation. (See Steffen, Le Roy J., assignor.)

Hough, William S., Kokomo, Ind. Elevation post. 1,851,532; June 7.

Hough, William S., Kokomo, Ind. Electrode housing. 1,872,593; Aug. 16.

Hougen, Leslie H., Miami, Fla. Starter gearing. 1,852,103; Dec. 27.

Houghton, Alexis C., Bartlett, and J. G. Miller, Lone Pine, Calif. Manufacture of sodium carbonate from salt residues left by the evaporation of alkaline waters. 1,853,275; Apr. 12.

Houghton, Alfred M., Washington, D. C., assignor to Gulf Refining Company, Pittsburgh, Pa. Cracking petroleum hydrocarbons. 1,868,418; July 19.

Houghton, Arthur E., East Twickenham, England. Supporting articles on wearing apparel. 1,879,254; Sept. 27.

Houghton-Butcher Manufacturing Company Limited, The. (See Houghton, A., and Dockree, assignors.)

Houghton Butcher Manufacturing Company Limited. (See Edwards, Valentine W., assignor.)

Houghton, E. F., & Company. (See Bohne, William A., assignor.)

Houghton, E. F., and Company. (See Leaper, Joseph M., assignor.)

Houghton, Harry W., Glen Echo, Md., assignor to Safety Fumigant Company. Package and generator for fumigant materials. 1,856,062; Apr. 26.

Houghton, Orrin, Racine, Wis. Distributing apparatus. 1,885,328; Nov. 1.

Houghton, William H., Los Angeles, Calif. Building construction. 1,877,132; Nov. 8.

Hougland, Albert C., St. Paul, Minn. Driving mechanism for churns. 1,879,255; Sept. 27.

Hougland, Albert C., St. Paul, Minn. Vat construction. 1,879,256; Sept. 27.

Houlis, Louis D., Dallas, Tex. Baking oven. 1,841,813; Jan. 19.

Houlis, Louis D., Dallas, Tex. Gas producer. 1,846,334; Feb. 23.

Houplain, Georges, assignor to Société des Freins Houplain, Paris, France. Fluid driving device for actuating mechanisms having an initial idle stroke. 1,865,105; June 28.

Hourd, Arthur R. C., London, Ontario, Canada. Folding table. 1,869,952; Aug. 2.

House, Bryan E., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating connection. 1,877,953; Aug. 23.

House, Bryan E., and H. F. Parker, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,862,309; June 7.

House, Charlie E., Farmington, Iowa. Bakers' proofing cabinet. 1,858,086; May 10.

House, Dennis H., Baldwin Harbor, assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Distant control mechanism. 1,862,017; June 7.

House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Landing field light. 1,864,436; June 21.

House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Sound locator. 1,889,363; Nov. 29.

House, Frederick H., assignor to Jacob House & Sons, Buffalo, N. Y. Statuette or similar article. Des. 86,603; Mar. 29.

House, Horace, Oroville, Calif. Illuminated chart reading device. 1,863,569; June 21.

House, Horace, Oroville, Calif. Illuminated chart reading device. 1,872,737; Aug. 23.

House, Jacob, & Sons. (See House, Frederick H., assignor.)

House, Orville W., et al. (See Greenlee, Eli M., assignor.)

House, Thomas M., Richmond, Va. Wardrobe traveling case. 1,872,084; Aug. 16.

Household Field Corporation. (See Bungay, George W. assignor.)

Housekeeper, Jacob C. (See Flower, A. H., and Housekeper.)

Houseman, Charles A., Philadelphia, Pa. Pneumatic clutch. 1,849,099; Jan. 5.

Houseman, Harold E. (See Bristow, P. W., and Houseman.)

Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting mechanism. 1,866,567; July 12.

House, Arthur M., Oak Park, and H. Pennema, assignors to Crane Co., Chicago, Ill. Lubricated plug cock. 1,885,202; Nov. 1.

House, Howard E. (See Hunter, R. M., Stewart, House, and Ide Free.)

House, Linus D., Winchester, Calif. Curtain rod threader. 1,875,462; Sept. 6.

House, Norman E., St. Louis, Mo. Syringe. 1,841,246; Jan. 12.

House, Samuel W. (See Vannah, Harold P., and House.)

House Co., The. (See Eburne, R., and Wirth, assignors.)

Housman, David. (See Wexler, Charles R., assignor.)

Houst, Franz, Pilsen, Czechoslovakia. Gas chamber for gas switches. 1,878,353; Sept. 20.

Houston, Check S., assignor to Houston Electric Steam Iron and Specialty Company, Detroit, Mich. Ironing apparatus. 1,842,784; Jan. 26.

Houston Electric Steam Iron and Specialty Company. (See Houston, Check S., assignor.)

Houston, George F., South Bend, Ind., assignor to Bendix Research Corporation, East Orange, N. J. 1,875,606; Sept. 6.

Houston, Levi C., assignor to The Fafnir Bearing Company, New Britain, Conn. Closure ring for bearings. 1,883,916; Oct. 25.

Houtman, Cornelius P., Ocheyedan, Iowa. Grain binder construction. 1,848,483; Mar. 8.

Houtz, Alfred B., Elizabeth City, N. C. Barrel and apparatus for and method of forming the same. 1,861,343; May 31.

Hover, Fritz, Kothen, Germany, assignor to A. G. fur Halbzelstoff Industrie, Basel, Switzerland. Process of and apparatus for treating fibrous material. 1,886,020; Nov. 1.

Hovey, Almon G., Scotia, N. Y., assignor to General Electric Company. Electrical apparatus. 1,842,970; Jan. 26.

Hovey, Rex. W., St. John, New Brunswick, Canada. Apparatus for making pulp. 1,861,344; May 31.

Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,841,122; Jan. 12.

Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,849,087; Mar. 15.

Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,849,088; Mar. 15.

Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,863,307; June 14.

How, Harlan W., assignor to Struthers Wells-Titusville Corporation, Warren, Pa. Heat exchanger. 1,862,310; June 7.

How, Harlan W., assignor to Struthers Wells-Titusville Corporation, Warren, Pa. Petroleum distillation system. 1,862,363; June 7.

Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Transmission of power. 1,860,182; May 24.

Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Gasket. 1,846,203; Feb. 23.

Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Upholstery moulding strip. 1,879,257; Sept. 27.

Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Finishing welt and making the same. 1,879,258; Sept. 27.

Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Ornamental product and producing the same. 1,879,259; Sept. 27.

Howard, Albert L., Brockton, and J. Christie, Hanover, assignors to Hamilton-Wade Company, Brockton, Mass. Finishing welt. 1,868,006; July 19.

Howard, Bloomfield H., Washington, D. C. Feeder for ingot molds. 1,863,559; June 21.

Howard, Charles, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,027; Jan. 19.

Howard, Christian C., Great Falls, Mont. Insect trap. 1,858,087; May 10.

Howard, Clifton P., Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts. Fusible link. 1,863,245; June 14.

Howard, Clifton P., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Locking member for sprinkler heads. 1,863,246; June 14.

Howard, Clifton P., Worcester, Mass. assignor to Rockwood Sprinkler Company of Massachusetts. Control device for alarm mechanism. 1,891,540; Dec. 20.

Howard, Clifton P., Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts. Control device for alarm mechanism. 1,891,541; Dec. 20.

Howard, Clinton W., Dayton, Ohio. Aircraft. 1,884,701; Oct. 25.

Howard, Earl H., assignor to Electro-Therapy Products Corporation, Ltd., Los Angeles, Calif. Handle for therapeutic lamps. Des. 87,344; July 12.

Howard, Ernest G., Kansas City, Mo. Vertical lift bridge. 1,855,520; Apr. 26.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Obtaining hydrocarbons from producing sands. 1,842,098; Jan. 19.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Distillation of hydrocarbons. 1,843,560; Feb. 2.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing and cracking hydrocarbon materials. 1,851,429; Mar. 29.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Manufacture of white oils. 1,851,610; Mar. 29.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for controlling temperature of fluid. 1,860,837; May 31.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Recovering petroleum and apparatus therefor. 1,861,013; May 31.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for burning liquid fuels. 1,861,014; May 31.

Howard, Frank A., Elizabeth, and N. E. Loomis, Westfield, N. J., assignors to Standard Oil Development Company. Control of pyrolysis of hydrocarbon oils. 1,842,096; Jan. 19.

Howard, Frank A., Elizabeth, and N. E. Loomis, Westfield, N. J., assignors to Standard Oil Development Company. Separating hydrocarbon vapors. 1,842,097; Jan. 19.

Howard, Frank A., and N. E. Loomis, Elizabeth, assignors, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Converting oil. 1,869,337; July 26.

Howard, Frank A., Elizabeth, N. J., W. K. Lewis, Newton, Mass., and H. M. Noel, Elizabeth, N. J., assignors to Standard Oil Development Company. Apparatus for distilling hydrocarbon oils. 1,837,606; Oct. 11.

Howard, Fred L., San Jose, Calif. Battery tool. 1,847,762; Mar. 1.

Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Process and apparatus for forming molten glass. 1,852,719; Apr. 5.

Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,853,002; Apr. 5.

Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Process and apparatus for producing shaped mold charges of molten glass. 1,853,003; Apr. 5.

Howard, Harold H., Alhambra, Calif. Motor starter drive. 1,881,053; Oct. 4.

Howard, Guy C., Wausau, Wis. Lignin derivatives and making same. 1,848,302; Mar. 8.

Howard, Guy C., Wausau, Wis. Treating waste sulphite liquor. 1,856,558; May 3.

Howard, Harold E., Bridgman, Mich. Air filter. 1,860,778; May 31.

Howard, Harold R., assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Folding display. 1,858,915; May 17.

Howard, Harry C., Rockwood, Tenn. Stove latch. 1,858,088; May 10.

Howard, Henry W., assignor to American Anode, Inc., Akron, Ohio. Treating latex. 1,850,673; Mar. 22.

Howard, Horace J., Southport, England. Valve operating mechanism for internal combustion engines. 1,864,735; June 28.

Howard Hosiery Company. (See Schindler, Robert B., assignor.)

Howard Hosiery Company. (See Stenvenson, Frank, assignor.)

Howard Hosiery Company. (See Tait, William, assignor.)

Howard, Jacob V., Indianapolis, Ind. Syringe. 1,871,523; Aug. 16.

Howard, James E., Jeffersonville, Ind. Vessel construction. 1,861,101; Oct. 4.

Howard, Jesse R., assignor of one-third to J. C. Dietrich and one-third to J. Buchanan, Milwaukee, Wis. Sash operating means. 1,839,662; Jan. 5.

Howard, John L. (See De Pasquale, D., and Howard.)

Howard, Judson D., assignor of ninety-eight one hundredths to A. W. Grubbs, Klamath Falls, Oreg. Method of destructive distillation of wood waste. 1,845,917; Feb. 16.

Howard, Karl S. (See Frede, C. F., and Howard.)

Howard, Karl S. (See Kreiheim, W. C., and Howard.)

Howard, Karl S., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,875,343; Sept. 6.

Howard, Karl S., St. Louis, Mo., and E. G. Hallquist, Edwardsville, Ill., assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive cylinder saddle structure. 1,864,736; June 28.

Howard, Karl S., St. Louis, Mo., and E. G. Hallquist, Edwardsville, assignors, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway vehicle structure. 1,865,520; July 5.

Howard, Karl S., and E. C. Jackson, St. Louis, Mo., assignors, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,875,342; Sept. 6.

Howard, Karl S., and E. C. Jackson, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 1,875,380; Sept. 6.

Howard, Karl S., and E. C. Jackson, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Car underframe structure. 1,875,381; Sept. 6.

Howard, Karl S., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,888,324; Nov. 22.

Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating mechanism. 1,841,414; Jan. 19.

Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,845,274; Feb. 16.

Howard, Lemuel F., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Message holder. 1,855,291; Apr. 26.

Howard, Leonard L., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Molded mica product and making same. 1,872,143; Aug. 16.

Howard, Leslie E., Lockport, N. Y., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Method of and apparatus for controlling temperatures and the like. 1,871,691; Aug. 16.

Howard, Leslie E., Lockport, N. Y., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Cam operating mechanism. 1,871,692; Aug. 16.

Howard, Marshall R., Kenoshia, Wis. Composite sheet. 1,888,672; Nov. 22.

Howard, Melville, Massillon, Ohio. Rotary engaging apparatus. 1,850,976; Mar. 22.

Howard, Merton W., Lynn, assignor to Pope Machinery Corporation, Haverhill, Mass. Wood heel machine. 1,881,595; Oct. 11.

Howard, Neal D., Merrick, N. Y. Savings bank. 1,879,260; Sept. 27.

Howard, Norman W., Bath, Me. Funnel. 1,868,389; July 19.

Howard, P. W. (See Shultz, Samuel C., assignor.)

Howard, Pearl B., Biloxi, Miss. Bed quilt or similar article. Des. 88,297; Feb. 9.

Howard, Royal T., Represa, Calif. Skid chain applicator. 1,862,378; June 7.

Howard, Russell G., & Associates, Inc. (See Howard, Russell G., assignor.)

Howard, Russell G., Du Bois, assignor to Russell G. Howard & Associates, Inc. Convertible wall bleacher. 1,862,824; June 14.

Howard, Styles T., Jeffersonville, Ind. Article support. 1,869,032; May 24.

Howard, Thomas, San Antonio, Tex. Toy building block. 1,882,607; Oct. 11.

Howard, Walter, Detroit, Mich. Vehicle suspension spring. 1,890,853; Dec. 13.

Howard, William R. (See Egloff, G., and Howard.)

Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. Re18,357; Feb. 23.

Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbons. 1,865,189; June 28.

Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,892,432; Dec. 27.

Howard, Willis G., assignor to The Sterolene Company, Chicago, Ill. Treating eggs. 1,862,508; June 7.

Howard, Willis V., Leavenworth, Kans. Tier mechanism for hay presses. 1,876,234; Sept. 6.

Howarth, Harry A. S., Frankford, assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Combined thrust and steady bearings. 1,876,234; Sept. 6.

Howdy Company, The. (See Grigg, Charles L., assignor.)

Howe, Andrew F., University City, Mo. Sand ramming machine. 1,882,608; Oct. 11.

Howe, Ben, Brooklyn, and E. Kunzelman, assignors to A. B. A. Specialties Company, Inc., New York, N. Y. Method of and machine for making fastening devices. 1,844,092; Feb. 9.

Howe, Charles S., assignor to Los Angeles Testing Laboratory, Los Angeles, Calif. Electroluminous display. 1,882,609; Oct. 11.

Howe, David, et al. (See Linfert, W., and Walters, assignors.)

Howe Folding Furniture Inc. (See Howe, Harold, assignor.)

Howe, Frank W., Sidney, assignor, by mesne assignments, to Clyde H. Phelps, Mount Vernon, N. Y. Automobile wheel alining device. 1,886,019; Nov. 1.

Howe, George W. (See Tinklepaugh, M. I., and Howe.)
Howe, Harold, assignor to Howe Folding Furniture, Inc., New York, N. Y. Folding chair. 1,854,104; Apr. 19.
Howe, Harold, assignor to Howe Folding Furniture, Inc., New York, N. Y. Serving table. 1,865,254; June 28.
Howe, Harold, assignor to Howe Folding Furniture, Inc., New York, N. Y. Folding chair. 1,871,524; Aug. 16.
Howe, Harold, assignor to Howe Folding Furniture Inc., New York, N. Y. Folding mechanism. 1,882,610; Oct. 11.
Howe, James F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Wire rope thimble. 1,850,143; Mar. 17.
Howe, James M., Cleveland Heights, Ohio. Radio direction indicator. 1,849,927; Mar. 15.
Howe, Joseph N., Worcester, assignor to J. H. Harwood, Brookline, doing business under the name of S. Harwood & Son, Boston, Mass. Latch mechanism. 1,859,444; May 24.
Howe, Myron E., Oceanside, Oreg. Amphibious craft. 1,853,357; Apr. 12.
Howe, Raymond F. (See Adams, M., Howe, and Nutting.)
Howe Scale Company, The. (See Fuller, Louis W., assignor.)
Howe, Smith B. (See Allen, E. B., and Howe.)
Howe, Smith B., Buffalo, assignor to Weatherbest Stained Shingle Company, Inc., North Tonawanda, N. Y. Staining apparatus. 1,845,157; Feb. 2.
Howe, Wm. A., Company. (See Reutener, Edgar W., assignor.)
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking machine for railroads. 1,846,724; Feb. 23.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Intermittent inductive train control system. 1,852,571; Apr. 5.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Car retarder. 1,852,572; Apr. 5.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine. 1,852,573; Apr. 5.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 1,852,574; Apr. 5.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Remote control means. 1,852,575; Apr. 5.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Rochester, N. Y. Universal alternating current relay. 1,882,846; Oct. 18.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 1,886,953; Nov. 8.
Howell, Aaron W., Cumming, Iowa. Collapsible awning. 1,865,106; June 28.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Lens structure. 1,848,253; Mar. 8.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Printing for color photography. 1,853,683; Apr. 12.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera. 1,861,207; May 17.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic printing machine. 1,863,051; June 21.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic printing machine. 1,863,107; June 21.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Perforated strip feed mechanism. 1,863,107; June 21.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Calibrated adjusting device. 1,868,502; July 26.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Perforated strip sprocket feed mechanism. 1,882,014; Oct. 11.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Film reel. 1,888,725; Nov. 22.
Howell, Charles. (See Tarrence, H. P., and Howell.)
Howell, Edward, assignor to Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Amino anthrones and preparing the same. 1,840,032; Jan. 5.
Howell, Edward T., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Caustic fusion of benzanthrone compounds. 1,866,500; July 5.
Howell, Edward T., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Products of acylated dibenzanthrone. 1,866,501; July 5.
Howell, Edward T., and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Amino benzyl ortho benzoic acids and preparing the same. 1,840,035; Jan. 5.
Howell, George A., Rock Hill, S. C. Support. 1,857,722; May 10.
Howell, Glenn T. (See Langhoffer, David N.)
Howell, Joseph C., Fort Lee, N. J. Adjustable arch support. 1,890,382; Dec. 6.
Howell, Joseph C., Fort Lee, N. J. Adjustable arch support. 1,890,383; Dec. 6.
Howell, Joseph C., Fort Lee, N. J. Flexible arch support. 1,890,384; Dec. 6.
Howell, Ray E. (See Milnes, J., and Howell.)
Howell, Roy C., Lakewood, and F. A. Fleming, Cleveland, Ohio. Tire display stand. 1,886,549; Nov. 8.
Howell, Sylvester, Fairbanks, Alaska. Method and apparatus for underground hydraulic mining. 1,856,836; May 3.
Howell, Theodore L., assignor to Kurt Versen, New York, N. Y. Lighting fixture. Des. 87,964; Oct. 18.
Howes, W. H., Company, The. (See Ekvall, Edward E., assignor.)
Howell, W. H., Company, The. (See Ericson, Philip E. G., assignor.)
Howenstein, George H., Detroit, Mich. Window construction. 1,864,066; June 21.
Howerstine, Charles C., Detroit, Mich. Lubricating mechanism. 1,868,167; July 19.
Howery, Harold, et al. (See Bushong, Ivan C., assignor.)
Howes, Donald A., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of lubricating oils. 1,877,664; Sept. 13.
Howes, Raymond T., Long Beach, assignor of one-half to J. W. Weir, Los Angeles, Calif. Return bend or header construction for tubular stills or boilers or pipe connections. 1,890,464; Dec. 13.
Howes, Raymond T., Los Angeles, assignor of one-third to A. A. Anderson, and one-third to L. A. Snyder, Wilmington, Calif. Method of insulating high voltages in electrical precipitators. 1,891,645; Dec. 20.
Howey, Claude D., Newcastle, Wyo. Stacker. 1,858,089; May 10.
Howey, Walter. (See Woodward, Benjamin W., assignor.)
Howey, Walter, New York, N. Y. Process of and apparatus for producing printing plates. 1,849,544; Mar. 15.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Needle bar for full fashioned knitting machines. 1,848,293; Mar. 8.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Making needle bars. 1,848,294; Mar. 8.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Trick wheel for knitting machines. 1,851,339; Mar. 29.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 1,851,944; Mar. 29.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Machine for inserting elastic in knit fabric. 1,871,851; Aug. 16.
Howland, Charles A., Schenectady, N. Y. Game. 1,887,642; Nov. 15.
Howland, Gerald S., Brookline, Mass. Making multicolor printing plates. 1,885,725; Nov. 1.
Howland, Harry E., assignor to Ithaca Gun Company, Ithaca, N. Y. Mechanism for firearms. 1,849,982; Mar. 15.
Howland, Harry E., assignor to Ithaca Gun Company, Ithaca, N. Y. Single-trigger mechanism for double-barrelled firearms. 1,859,049; Nov. 29.
Howland, Louis H., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,849,489; Mar. 15.
Howland, Louis H., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,864,067; June 21.
Howland, Louis H., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,868,145; July 19.
Howle, Ernest O. (See Howle, Gladys R., assignor.)
Howle, Ernest O., assignor of one-half to C. H. Lithgow, Chicago, Ill. Chimney construction. 1,840,628; Jan. 12.
Howle, Gladys R., assignor to E. O. Howle, Chicago, Ill. Garbage burner. 1,849,445; May 24.
Howle, James B., Richmond, Va. Flush tank valve seat. 1,867,262; July 12.
Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Spool or reel. 1,881,596; Oct. 11.
Howsam, Hilyard C., and A. Hlavac, assignors to Hubbard Spool Company, Chicago, Ill. Spool or reel. 1,856,283; May 3.
Howse, Curtis L. (See Snow, N. L., and Howse.)
Howse, Curtis L. (See Snow, N. L., Bowers, and Howse.)
Howse, Curtis L. (See Snow, N. L., Howse, and Bowers.)
Howse, Curtis L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,483; Mar. 1.
Howse, Curtis L., and N. L. Snow, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,848,885; Mar. 8.
Howse, Curtis L., and C. D. Lowell, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,877,721; Sept. 13.
Howser, Harry R., jr., Washington, D. C., assignor to The Lionel Corporation, New York, N. Y. Sound attachment for toy locomotives. 1,889,918; Dec. 6.
Howser, Walter M., Indianapolis, Ind. File holder. 1,839,391; Jan. 5.
Howson, Charles T., Silver Creek, N. Y. Coffee roasting machine. 1,843,131; Feb. 2.
Howson, Charles T., Silver Creek, assignor to Huntley Manufacturing Co., Brocton, N. Y. Cherry pitting machine. 1,843,283; Feb. 2.

Howson, Charles T., assignor to Huntley Manufacturing Co., Silver Creek, N. Y. Coffee grinder. 1,864,595; June 28.

Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Sound recording and reproducing. 1,848,886; Mar. 8.

Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Motion picture-sound apparatus. 1,855,884; Apr. 26.

Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Film marking apparatus. 1,859,091; May 17.

Hoxie, Lavinia B., et al., executors. (See Hoxie, William B.)

Hoxie, Vivian W., San Francisco, Calif., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,852,408; Apr. 18.

Hoxie, William D., deceased; L. B. Hoxie, Westerly, R. I., H. Middleton, Greenwich, Conn., and The Washington Trust Company, Westerly, R. I., executors, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,839,760; Jan. 5.

Hoy, Austin Y., London, England, assignor to Sullivan Machinery Company, Chicago, Ill. Mining machine. 1,857,376; May. 10.

Hoy, John E., assignor to The Dow Chemical Company, Midland, Mich. Fabricating magnesium. 1,878,240; Sept. 20.

Hoy, William J., Atlantic City, N. J. Radio football chart. Des. 85,982; Jan. 12.

Hoy, William P. (See Bredsvold, Paul A., assignor.)

Hoyle, Peter R., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Rocking insulator. 1,863,405; June 14.

Hoyer, Heinrich. (See Hoyer, E., and Hoyer.)

Hoyer, Heinrich, and E. Gleitenberg, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs. 1,879,261; Sept. 27.

Hoyois, Léon, Gilly, Belgium. Washing coal, ores, and other similar material, and apparatus for carrying out said method. 1,845,602; Feb. 16.

Hoyos, Ernesto J. (See Gray, E. J., and Hoyos.)

Hoyos, Ernesto J., Boston, Mass., assignor to Hudson Motor Car Company, Detroit, Mich. Striping device for automobile bodies. 1,881,597; Oct. 11.

Hoyt, Asshel H., Ware, Mass. Muffler. 1,844,855; Feb. 9.

Hoyt, Ernest S., Perth, Ont. Oil burner. 1,862,401; June 7.

Hoyt, Frederick A. (See Martin, H. T., and Hoyt.)

Hoyt, Frederick A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collection apparatus. 1,841,125; Jan. 12.

Hoyt, Harry C., Thomaston, Conn. Loud speaker. 1,866,163; July 5.

Hoyt, Samuel L., Schenectady, N. Y., assignor to General Electric Company. Metal composition and making the same. 1,843,768; Feb. 2.

Hoyt, Worthington. (See Burrows, Edwin H., assignor.)

Hrabal, Frank J. (See Spilda, Jos., and Hrabal.)

Hronek, Rudolph, Dodge, Nebr. Automatic bill drop for planters and listers. 1,864,691; June 28.

Huari, Albert. (See Catala, M., and Huart.)

Hub Metal Bed Co. (See Reichle, C., and Overholt, assignors.)

Hubacher, Max H., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber and product obtained thereby. 1,848,721; Mar. 8.

Hubacher, Max H., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanization of rubber and product obtained thereby. 1,851,767; Mar. 29.

Hubacker, Earl E., assignor to Norze Corporation, Detroit, Mich. Rotary compressor unit. 1,884,702; Oct. 25.

Hubbard, Albert B. (See Tuenie, E. L., and Hubbard.)

Hubbard, Albert S., Bethel, Conn., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Current rectifying system and apparatus. 1,845,151; Feb. 16.

Hubbard, Albert S., Bethel, Conn., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Current rectifying apparatus. 1,867,667; July 19.

Hubbard, Albert S., Bethel, Conn., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Voltage control system. 1,882,611; Oct. 11.

Hubbard, Barton D., Portland, Me., assignor to Brown Company, Berlin, N. H. Yarn guide for upstroke twisters. 1,881,569; Oct. 11.

Hubbard, Beverly R., Melrose, assignor to Submarine Signal Company, Boston, Mass. Acoustic compensator. 1,870,569; Aug. 9.

Hubbard, Cecil R., assignor to The Garlock Packing Company, Palmyra, N. Y. Packing. 1,847,216; Mar. 1.

Hubbard, Cecil R., and R. Pullman, assignors to The Garlock Packing Company, Palmyra, N. Y. Packing and making the same. 1,840,449; Jan. 12.

Hubbard, Cecil R., and R. M. Waples, assignor to The Garlock Packing Company, Palmyra, N. Y. Gasket. 1,889,144; Nov. 29.

Hubbard & Company. (See Hocher, Andrew A., assignor.)

Hubbard & Company. (See Manson, Ralph R., assignor.)

Hubbard and Company. (See Peirce, Charles L., jr., assignor.)

Hubbard & Co. (See Pounder, Wilbur R., assignor.)

Hubbard, Eber J., Berwyn, Ill. Reel. 7,852,243; Apr. 5.

Hubbard, Elmer S., Higganum, Conn., Harrow. 1,881,599; Oct. 11.

Hubbard, Ernest C., Sand Springs, Okla. Lamp chimney or the like. Des. 86,028; Jan. 19.

Hubbard, George E., Centralia, Ill. Foldable tent frame. 1,851,009; Mar. 29.

Hubbard, Henry E., assignor to Addressograph Company, Chicago, Ill. Snapping platen for printing and addressing machines. 1,871,993; Aug. 16.

Hubbard, Horace S., Pittsfield, Mass., assignor to General Electric Company. Direct current high voltage cable testing system. 1,867,407; July 12.

Hubbard, Horace S., Pittsfield, Mass., assignor to General Electric Company. Cable testing equipment. 1,890,682; Nov. 8.

Hubbard, Hugh, Orange, Tex., assignor to W. H. Stark, Fertilizer distributor. 1,878,853; Sept. 20.

Hubbard, Karl H., assignor to Taylor Instrument Companies, Rochester, N. Y. Regulator. 1,849,761; Mar. 15.

Hubbard, Norman, Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Packing for joints. 1,892,618; Dec. 27.

Hubbard, Oscar S., Farmland, Ind. Wrecking-truck. 1,856,681; Nov. 3.

Hubbard, Rowland, Philadelphia, Pa. Flange lubricator. 1,871,270; Aug. 9.

Hubbard Spool Company. (See Howsam, Hilyard C., assignor.)

Hubbard Spool Company. (See Howsam, H. C., and Howsam, assignors.)

Hubbard, William E., assignor to The Guiberson Corporation, Dallas, Tex. Pump. 1,842,785; Jan. 26.

Hubbard, William E., Las Animas, Colo., assignor to The Guiberson Corporation, Dallas, Tex. Hydraulic pumping systems. 1879,262; Sept. 27.

Hubbell, Alfred W., assignor to Phillips Petroleum Company, Bartlesville, Okla. Indicating liquid gravitometer. 1,862,402; June 7.

Hubbell, Clarence W., Naugatuck, Conn., assignor to Revere Rubber Company, Providence, R. I. Inflatable toy. Des. 87,580; Aug. 16.

Hubbell, Clarence W., Naugatuck, Conn., assignor to Revere Rubber Company, Providence, R. I. Water toy. 1,851,768; Mar. 29.

Hubbell, Clarence W., assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Bathing shoe. 1,857,153; May 10.

Hubbell, Fred R., assignor to J. W. Sharts, Dayton, Ohio. Water softener. 1,846,556; Feb. 23.

Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Mounting for cover plates for switches and receptacles. 1,840,582; Jan. 12.

Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Switch receptacle. 1,840,583; Jan. 12.

Hubbell, Harvey, jr., Bridgeport, Conn. Battery switch. 1,853,358; Apr. 12.

Hubbell, Harvey, jr., Bridgeport, Conn. Floor receptacle mount. 1,857,377; May 10.

Hubbell, Harvey, jr., Bridgeport, Conn. Baseboard wiring device. 1,857,378; May 10.

Hubbell, Harvey, jr., Bridgeport, Conn. Power steering gear. 1,857,380; May 10.

Hubbell, Harvey, jr., Bridgeport, Conn. Attachment plug cap. 1,864,553; June 21.

Hubbell, Harvey, jr., Bridgeport, Conn. Separable attachment plug. 1,866,933; July 12.

Hubbell, Harvey, jr., Bridgeport, Conn. Electrical receptacle. 1,882,080; Oct. 11.

Hubbell, Harvey, jr., assignor to Harvey Hubbell Incorporated, Bridgeport, Conn. Wire fastener for plug caps. 1,847,246; Mar. 1.

Hubbell, Harvey, jr., and C. E. Avery, assignors to Harvey Hubbell, Inc., Bridgeport, Conn. Switch handle. 1,867,379; May 10.

Hubbell, Harvey, Incorporated. (See Hubbell, Harvey, jr., assignor.)

Hubbell, Harvey, Inc. (See Hubbell, H., jr., and Avery, assignors.)

Hubbell, Harvey, Incorporated. (See Wells, Burling D., assignor.)

Hubbell, Louie E., executrix. (See Hubbell, Harvey.)

Hubbell, Robert S., South Euclid, Ohio. Valve. 1,876,390; Sept. 6.

Hubbell, Russell H. (See Wieland, C. F., and Hubbell.)

Hubbert, Leslie S., and C. J. Zube, Los Angeles, Calif., assignors to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Press for manufacturing molded articles. 1,867,972; July 19.

Hubbs, Henry E., assignor to The Shelby Spring Hinge Company, Shelby, Ohio. Checking floor hinge. 1,890,814; Dec. 13.

Hubener, William A., New York, N. Y., assignor to Henry B. Newhall Corporation, Garwood, N. J. Spring toggle. 1,857,275; Feb. 16.

Huber, Charles J., assignor of one-half to Flynn and Emrich Company, Baltimore, Md. Combustion method. 1,845,415; Feb. 16.

Huber, Charles J., assignor of one-half to Flynn and Emrich Company, Baltimore, Md. Furnace. 1,871,454; Aug. 16.

Huber, Fritz, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Germany. Fuel delivering device. 1,839,878; Jan. 5.

Huber, Georg, Langnau, Switzerland. Holder for pants. 1,886,882; Nov. 8.

Huber, Gustav, Stuttgart, Germany. Sewing machine. 1,878,146; Sept. 20.

Huber, Hans, assignor to the Firm Chemische Werke vorm. H. & E. Albert, Wiesbaden-Biebrich, Germany. Production of alumina and alkali phosphates. 1,845,876; Feb. 16.

Huber, Hans, assignor to Firm P. F. A. G. Patentverwertungs- & Finanbierungs-Aktiengesellschaft, Zurich, Switzerland. Feed device. 1,869,033; May 24.

Huber, Henry A., Toronto, Ontario, Canada. Stropper. 1,885,444; Nov. 1.

Huber, Herman J., Upper Darby, Pa., assignor to General Electric Company. Metal inclosed electrical apparatus. 1,843,723; Feb. 2.

Huber, Herman J. H., Upper Darby, Pa., and C. R. Kellogg, Scotia, N. Y., assignors to General Electric Company. Explosion chamber for liquid break switches. 1,890,327; Dec. 6.

Huber, Jacob A., Louisville, Ohio. Machinist's instrument. 1,849,575; Mar. 15.

Huber, Louis F., Baltimore, Md. Propeller. 1,884,703; Oct. 25.

Huber, Ludwig, and R. Distel, Detroit, Mich. Carburetor. 1,885,471; July 19.

Huber, Otto E., Reading, assignor to Narrow Fabric Company, West Reading, Pa. Elastic lace braid. Des. 88,352; Nov. 25.

Huber, Otto E., Reading, assignor to Narrow Fabric Company, West Reading, Pa. Lace braid and manufacturing same. 1,887,643; Nov. 15.

Huber, Paul C., Hillside, assignor of one-third to F. W. Peterson and one-third to W. H. Wallraff, Minneapolis, Minn. Automobile case clamp. 1,890,328; Dec. 6.

Huber, Paul P., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Transmission mechanism for axle driven indicators. 1,867,508; July 12.

Huber, Peter, Zurich, Switzerland. Apparatus for dispensing oils and fats. 1,892,344; Dec. 27.

Hubert, Rudolf, Elberfeld, A. Rost-Grande, Dormagen, and K. Weisbrod, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Spinning stable cellulose ester solutions. 1,860,461; May 31.

Hubert, William D., Chicago Heights, Ill. Airplane. 1,855,557; Apr. 26.

Hubert, William D., Joliet, Ill. Aircraft propeller. 1,881,080; Oct. 4.

Hübl, Franz, Warnsdorf, Czechoslovakia. Arrangement for performing mechanical work. 1,850,158; Sept. 27.

Hubley, Fred E., Detroit, Mich. Sight gauge. 1,877,509; Sept. 13.

Hubley Manufacturing Co., The. (See Brubaker, Jacob E., assignor.)

Hubrich, Frank P. (See Boulanger, A. D., and Hubrich.)

Hucal, Wasyl, Chicago, Ill. Adding machine. 1,854,840; Apr. 19.

Huck, Joseph, Cresskill, N. J., assignor to Chesebro, Whitman Co., Inc., Long Island City, N. Y. Stepladder. 1,871,693; Aug. 16.

Huck, Louis C., Pleasant Ridge, Detroit, Mich. Brake drum. 1,846,257; Feb. 23.

Huck, Louis C., Detroit, Mich. Adjusting means for lever arms. 1,869,562; Aug. 2.

Huck, Louis C., New York, N. Y. Brake. 1,886,811; Nov. 8.

Huck, William F., assignor to R. Hoe & Co., Inc., New York, N. Y. Mold for casting stereotype printing plates. 1,863,480; June 14.

Hucke, Charles H., assignor to Ventrite, Inc., St. Louis, Mo. Operating means for ventilating sashes. 1,876,941; Sept. 13.

Hucke, Charles H., assignor to Ventrite, Inc., St. Louis, Mo. Operating means for ventilating sashes. 1,876,942; Sept. 13.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 85,936; Jan. 5.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 85,937; Jan. 5.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 85,938; Jan. 5.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 86,375; Mar. 1.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 86,523; Mar. 15.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 86,839; Apr. 26.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 86,840; Apr. 26.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 87,094; May 31.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 87,521; Aug. 9.

Hucknall, Hage W., assignor to The American Lace Manufacturing Company, Elyria, Ohio. Lace scarf or similar article. Des. 88,353; Nov. 22.

Hucknall, Hage W., assignor to The American Lace Manufacturing Company, Elyria, Ohio. Lace scarf or similar article. Des. 88,468; Nov. 29.

Hucks, Robert T., Perlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating material and preparing same. 1,875,005; Aug. 30.

Hudd, Alfred E., Long Park, Chesham Bois, England, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic train control system. 1,879,613; Sept. 27.

Hudd, Alfred E., Evanston, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Train stop and cab signal system. 1,879,612; Sept. 27.

Hudd, Alfred E., Long Park, Chesham Bois, England, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic train control system. 1,879,613; Sept. 27.

Hudd, Alfred E., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Train stop system. 1,879,614; Sept. 27.

Hudd, Alfred E., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Railway traffic controlling apparatus. 1,879,615; Sept. 27.

Hudd, Alfred E., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Railway traffic controlling apparatus. 1,879,616; Sept. 27.

Hudd, Alfred E., Sussex, England, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Train stop system. 1,879,617; Sept. 27.

Huddle, Edwin F. (See Harding, L. A., and Huddle.)

Huddle, Edwin F., assignor to Deere & Company, Moline, Ill. Extension control for tractor-drawn harvesters. 1,882,186; June 7.

Huddle, Edwin F., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 1,876,006; Sept. 6.

Huddle, Edwin F., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 1,887,352; Nov. 8.

Hudec, Anton, and T. T. Sefcik, Temple, Tex. Cultivator attachment. 1,874,447; Sept. 20.

Hudgins, Patrick L., Decatur, assignor of sixty per cent to S. A. Love, De Kalb, Ga. Emergency coupling for railroad cars. 1,881,847; Dec. 27.

Hudiakoff, Andrei, New York, N. Y. Apparatus for multiple visual effects. 1,888,320; Nov. 22.

Hudson, Alden, assignor to W. W. Hudson, Green Bay, Wis. Machine for the manufacture of paper articles. 1,852,576; Apr. 5.

Hudson, Alexander, Readville, Mass., assignor, by mesne assignments, to The Draper Corporation. Filling-feeler mechanism for looms. 1,874,533; Aug. 30.

Hudson, Arthur, Clifton, N. J. Rotary pump. 1,871,525; Aug. 16.

Hudson, Charles B., Akron, and H. C. Bostwick, Kenmore, assignors to The Akron Standard Mold Company, Akron, Ohio. Vulcanizer. 1,855,053; Apr. 26.

Hudson, Clough D., assignor to Western Pine Mfg. Co., Ltd., Spokane, Wash. Window frame structure. 1,861,861; June 7.

Hudson, David W. (See Hudson, Alden, assignor.)

Hudson, David W., Green Bay, Wis. Web folder. 1,869,894; Aug. 2.

Hudson, Donald P. (See Titherley, A. W., and Hudson.)

Hudson, Edwin B., Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio. Roller bearing working roll chock. 1,875,710; Aug. 23.

Hudson, Finn S., assignor to I. Hudson, Kansas City, Mo. Connecting rod. 1,839,680; Jan. 5.

Hudson, H. D., Manufacturing Company. (See Cuff, F. A., and Keating, assignors.)

Hudson, H. D., Manufacturing Company. (See Hudson, Kenneth A., assignor.)

Hudson, H. D., Manufacturing Company. (See Keating, M. H., and Kegler, assignors.)

Hudson, H. D., Manufacturing Company. (See Kegler, Anton W., assignor.)

Hudson Holding Corporation. (See Freedman, Benjamin H., assignor.)

Hudson, Irene. (See Hudson, Finn S., assignor.)

Hudson, James A. (See Griswold, Edward H., assignor.)

Hudson, John, Brooklyn, N. Y. Separator. 1,871,526; Aug. 16.

Hudson, John J. (See Hinckley, F. C., and Hudson.)

Hudson, Kenneth A., assignor to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Sprayer. 1,851,281; Mar. 29.

Hudson, Max B., Philadelphia, Pa., assignor to General Electric Company. Governing mechanism for turbine driven pumps. 1,863,406; June 14.

Hudson Motor Car Company. (See Baits, Stuart G., assignor.)

Hudson Motor Car Company. (See Dike, George P., assignor.)

Hudson Motor Car Company. (See Groehn, Otto J., assignor.)

Hudson Motor Car Company. (See Groehn, O. J., Mitchell and McCurley, assignors.)

Hudson Motor Car Company. (See Hopkins, R. Z., and Ogden, assignors.)

Hudson Motor Car Company. (See Hopkins, R. Z., and Seger, assignors.)
Hudson Motor Car Company. (See Hopkins, R. Z., Fellers, and Raymond, assignors.)
Hudson Motor Car Company. (See Hoyos, Ernesto J., assignor.)
Hudson Motor Car Company. (See Keenan, W. J., and Sather, assignors.)
Hudson Motor Car Company. (See Mottashed, J. C., and Payne, assignors.)
Hudson Motor Car Company. (See Powell, Clarence H., assignor.)
Hudson Motor Car Company. (See Toncray, Millard H., assignor.)
Hudson Motor Car Company. (See Toncray, M. H., and Greig, assignors.)
Hudson-Sharp Machine Company. (See Campbell, Samuel J., assignor.)
Hudson-Sharp Machine Company. (See Schueler, Frederick C., assignor.)
Hudson, Thomas K. (See Wells, Thomas P., assignor.)
Hudson, Walter G., Newark, N. J. Typewriter-ribbon cleaner. Des. 88,653; Dec. 13.
Hudson, William H., Detroit, Mich. Punch and countersink machine. 1,845,837; Feb. 2.
Hudson, William H., Detroit, Mich. Template. 1,871,178; Aug. 9.
Hudson, William S., assignor to The Painesville Metallic Binding Company, Painesville, Ohio. Reel for dispensing coiled strip material. 1,854,033; Apr. 12.
Hudson, William W., Salt Lake City, Utah. Stoker motor control. 1,857,307; May 10.
Hudson, Willis F, Riverside, Ill., assignor to The Hoover Company, Suction cleaner. 1,865,807; July 5.
Huebener, Mary A. (See Lehn, J. U., and Huebener.)
Hueber, Henry. (See Horton, E. C., and Hueber.)
Hueber, Henry. (See Horton, Ercin C., and Hueber.)
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Self parking windshield cleaner motor. 1,840,233; Jan. 5.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,841,734; Jan. 19.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Suction augmenting device. 1,845,969; Feb. 16.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Advertising device. 1,848,296; Mar. 8.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor valve action. 1,849,327; Mar. 15.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner and wiper carrying arm therefor. 1,852,774; Apr. 5.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Fuel pump. 1,860,581; May 31.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Horn. 1,862,086; June 7.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,886,956; Nov. 8.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Horn construction. 1,841,535; Jan. 19.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Carburetor. 1,852,780; Apr. 5.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner control. 1,855,913; Apr. 26.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 1,856,416; May 3.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Wiper arm mounting for windshield cleaners. 1,877,321; Sept. 13.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Combined windshield and cleaner structure. 1,886,812; Nov. 8.
Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
Huebner, Carl J., Detroit, Mich. Electrical fixture. 1,842,025; Jan. 19.
Huebner, Franz, Zwittau, Czechoslovakia, assignor to Smyrna Automat G. m. b. H., Zittau, Saxony, Germany. Machine for the manufacturing of knotted carpets and the like. 1,890,783; Dec. 13.
Huebner, William C., Chicago, Ill. Film holder. 1,860,389; May 31.
Huebner, William C., Chicago, Ill., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Negative holder for photographic printing machines. 1,857,381; May 10.
Huebner, William C., Chicago, Ill., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Prerequisiting means for photocomposer printing plates. 1,860,361; May 31.
Huebner, William C., Chicago, Ill., assignor to Huebner, Bleistein Patents Company, Buffalo, N. Y. Negative holder for photographic printing machines. 1,870,068; Aug. 2.
Huebsch Manufacturing Company. (See Huebsch, Monte F., assignor.)
Huebsch, Monte F., Milwaukee, Wis. Method and apparatus for ironing or pressing laundry. 1,840,956; Jan. 12.
Huebsch, Monte F., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Laundry identification apparatus. 1,882,015; Oct. 11.
Huebscher, J. J. (See Smith, Elmer H.)
Hueglin, Herman C., assignor to Federal Merchandise Company, Chicago, Ill. Ventilator. 1,868,980; July 26.
Hueglin, Herman C., assignor to Federal Merchandise Company, Chicago, Ill. Ventilating means. 1,870,570; Aug. 9.
Hueglin, Herman C., assignor to Federal Merchandise Company, Chicago, Ill. Ventilating means. 1,886,683; Nov. 8.
Huelhorst, Herman L. (See Wilkerson, Don D., assignor.)
Huenefeld, Ferdinand W., Oak Park, Ill., assignor to Mid-States Gummed Paper Co. Gumming paper. 1,886,550; Nov. 8.
Huenefeld Company, The. (See Huenefeld, Walter E., assignor.)
Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Container. 1,867,408; July 12.
Huenlich, Charles, Bloomfield, assignor to T. A. Edison, Incorporated, West Orange, N. J. Sound record tablet. 1,881,600; Oct. 11.
Huerlin, Fred, assignor of one-half to M. L. Huerlin, Spokane, Wash. Child's bouncer. 1,861,661; June 7.
Huerlin, Marion L. (See Huerlin, Fred, assignor.)
Hueseman, William M., Dillsboro, Ind. Buckle. 1,885,445; Nov. 1.
Huestis, Thomas B., assignor to National India Rubber Company, Bristol, R. I. Apparatus for cutting rubber. 1,849,928; Mar. 15.
Huestis, Thomas B., assignor to The National India Rubber Company, Bristol, R. I. Process and apparatus for compacting conductors. 1,867,625; July 19.
Huet, André. (See Magis, A., and Huet.)
Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Superheater. 1,843,132; Feb. 2.
Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Heat interchanger. 1,849,874; Mar. 15.
Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Waste heat boiler. 1,870,009; Aug. 2.
Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Baffle arrangement. 1,889,861; Dec. 6.
Huether, Jacob. (See Stern, L., and Huether.)
Huetten, Peter E. (See Witke, A., Huetten, Rosemann, Molling, and Martell.)
Huff, Clayton W., Toledo, Ohio. Spray gun. 1,840,842; Jan. 12.
Huff, Ernest, assignor to American Lace Paper, Company, Milwaukee, Wis. Web shearing apparatus. 1,867,884; July 19.
Huff, Ernest, assignor to American Lace Paper Company, Milwaukee, Wis. Drinking cup dispenser. 1,869,542; Dec. 20.
Huff, Floyd A., Mansfield, Ohio. Hydraulic shock absorber. 1,861,056; May 31.
Huff, Fred H., Louisville, Nebr. Revolving sheave fairlead. 1,887,306; Nov. 8.
Huff, George D., Bellingham, Wash. Cigarette package opener. 1,886,021; Nov. 1.
Huff, Lyman C. (See Montell, J. C., and Huff.)
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,843,158; Feb. 2.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for lining receptacles. 1,850,933; Mar. 29.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Producing oil gas. 1,868,462; July 19.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Device for recirculating highly heated gases. 1,870,010; Aug. 2.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,870,049; Aug. 2.
Huff, Lyman C., Chicago, Ill. Heater. 1,881,275; Oct. 4.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for dephlegmation. 1,886,957; Nov. 8.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Interlocking lining for vessels or receptacles. 1,888,039; Nov. 15.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Protective lining for vessels. 1,892,433; Dec. 27.
Huff, Wilbert J., Baltimore, Md. Purifying gas. 1,851,312; Mar. 29.
Huff, William D., Lafayette, La., assignor to Fairmount Railway Motors, Incorporated, Fairmount, Minn. Sickle bar. 1,851,840; Mar. 29.
Huff, William H., Wichita, Kans. Ellipsograph. 1,848,953; Mar. 8.
Huffaker, George A., Van Nuys, Calif. Orchard heating apparatus. 1,846,395; Feb. 23.

Huffelmann, Marianne, administratrix. (See Huffelmann, Karl.)

Hufferd, George H. (See Crawford, F. C., and Hufferd.)

Hufferd, George H. (See Graham, M. P., and Hufferd.)

Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Connection. 1,854,195; Apr. 19.

Hufferd, George H., and M. P. Graham, assignors to Thompson Products, Incorporated, Detroit, Mich. Tubular front axle. 1,841,735; Jan. 19.

Hufferd, George H., and M. P. Graham, assignors to Thompson Products, Incorporated, Detroit, Mich. Tie rod end. 1,862,933; June 14.

Hufferd, George H., and M. P. Graham, assignors to Thompson Products, Incorporated, Detroit, Mich. Ball joint. 1,881,601; Oct. 11.

Huffman, Alva King, W. H., and Huffman.)

Huffman, Charles F., Webster City, Iowa. Multiple-row corn picking machine. 1,845,276; Feb. 16.

Huffman, Frederick B., Spokane, Wash. Slide scale. 1,888,597; Nov. 22.

Huffman, Horace M., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Measuring receptacle. 1,861,409; May 31.

Huffman, Laurnel C. (See McClarkey, Roy, assignor.)

Huffman, Louis, assignor to Toronto Type Foundry Company, Limited, Toronto, Ontario, Canada. Manifolding sales book. 1,882,384; Oct. 11.

Huffman, Louis, Toronto, Ontario, assignor to Toronto Type Foundry Company, Limited, Toronto, Canada. Manifolding sales book. 1,887,594; Nov. 15.

Huffman Manufacturing Company, The. (See Holston, James B., assignor.)

Huffman Manufacturing Company, The. (See Huffman, Horace M., assignor.)

Huffman Manufacturing Company, The. (See Wilson, Ronald M., assignor.)

Huffman, Merwin K., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 1,874,190; Aug. 30.

Huffman, Merwin K., Claremont, N. H., assignor to Sullivan Machinery Company. Impact tool. 1,884,704; Oct. 25.

Huffman, Ross L., Longton, Kans. Nonfreezing valve. 1,883,130; Nov. 15.

Huffman, Werden D., assignor to General Motor Corporation, Detroit, Mich. Ink. 1,848,077; Mar. 1.

Huffman, William C., Broken Bow, Nebr. Motor vehicle signal. Des. 87,749; Sept. 13.

Huffman, William E., Dayton, Ohio. Pneumatic boat. 1,876,705; Oct. 11.

Hufford, Harry J., Scranton, Pa. Thread feeding and spacing means. 1,882,612; Oct. 11.

Hufschmidt, Robert R., assignor to K. E. Erickson, Portland, Oreg. Street traffic signal. 1,879,263; Sept. 27.

Hufnagel, Alvena. (See Hufnagel, Simon F., C., A., and G.)

Hufnagel, Charles. (See Hufnagel, Simon F., C., A., and G.)

Hufnagel, George. (See Hufnagel, Simon F., C. A., and G.)

Hufnagel, Simon F., C., A., and G., Platte Township, Taylor County, Iowa. Swiller. 1,874,534; Aug. 30.

Hug, Christian C., Highland, Ill. Spring construction. 1,856,764; May 3.

Hug, Ernst and H. Werdenberg, Neu-Allschwil, near Basel, assignors to the Firm "Durand & Huguenin S. A.", Basel, Switzerland. Production of color discharge effects with gallocyanine dyestuffs. 1,852,970; Apr. 5.

Huger, Stephen P. (See Carothers, J. N., and Huger.)

Hugersdorff, Reinhard, Hressen, assignor to the Firm Ikarus Internationale Patentverwertungs-Aktien-Gesellschaft-Vaduz, Liechtenstein, Germany. Apparatus for continuously recording the path of flight of aircraft. 1,873,126; Aug. 23.

Huggins, Merion J., Upper Saddle River, N. J., assignor to Autocall Company, Inc., New York, N. Y. Electric indicating means. 1,859,332; May 24.

Huggins, Robert G., Tulsa, Okla. Aeroplane frame. 1,853,276; Apr. 12.

Hughes, Benjamin, Montreal, Quebec, Canada. Radio system. 1,880,320; Oct. 4.

Hughes, Burton S., assignor to Zaremba Company, Buffalo, N. Y. Apparatus for evaporating industrial liquids. 1,840,234; Jan. 5.

Hughes, Cecil, Downend, near Bristol, England. Pump, compressor, engine, and the like. 1,892,345; Dec. 27.

Hughes, Charles J., Montgomery, Ala. Aircraft. 1,841,815; Jan. 19.

Hughes, Charles R., Altoona, Pa. Mining machine. 1,880,090; Sept. 27.

Hughes, Charles R., Altoona, Pa. Mining machine. 1,880,091; Sept. 27.

Hughes, David W., Bronxville, and C. E. Ellis, jr., New York, N. Y., assignors, by mesne assignments, to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator car signal device. 1,873,765; Aug. 23.

Hughes, Davydd C., assignor to Gardner Machine Company, Beloit, Wis. Work feeding device. 1,862,894; June 14.

Hughes Development Company, Ltd. (See Doran, Albert B., assignor.)

Hughes, Dudley J., Seattle, Wash. Automatic nonskid device. 1,849,335; Feb. 23.

Hughes, Edgar F. (See Dierker, Hugh E., assignor.)

Hughes, Emery H. (See Reisner, Gustav A., assignor.)

Hughes, Eric C., West Sacramento, Calif., assignor to The Popsicle Corporation of the United States, New York, N. Y. Container for frozen fruit juice, sherbets, ice cream, and the like. 1,844,066; Feb. 9.

Hughes, Fred T., Missouri Valley, Iowa. Battery clamp. 1,841,871; Jan. 19.

Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Hub and axle construction. 1,842,911; Jan. 26.

Hughes, Frederick G., and C. B. Simmons, assignors to The New Departure Manufacturing Company, Bristol, Conn. Retainer or separator for antifriction bearings. 1,888,634; Nov. 22.

Hughes, George A., Havelock, Nebr. Airplane. 1,970,119; Aug. 2.

Hughes, George F., Detroit, Mich., assignor to Herron-Zimmers Moulding Company. Securing screens to radiators. 1,839,911; Jan. 5.

Hughes, George J., Trenton, N. J. Antiscald shower head. 1,877,510; Sept. 13.

Hughes, Guy E., A. H. Waring, and J. E. Braham, Norton-on-Tees, assignors to Imperial Chemical Industries Limited, London, England. Distillation of water. 1,867,076; July 12.

Hughes, Howard R., Oakland, assignor to Associated Engineering and Supply Company, San Francisco, Calif. Gas regulator valve mechanism. 1,868,324; July 19.

Hughes, James E., Philadelphia. Combined coin and article holder. 1,868,325; July 19.

Hughes, James F., New York, N. Y. Mouthpiece for cigarettes. 1,841,952; Jan. 26.

Hughes, James F., New York, N. Y. Mouthpiece for cigarettes. 1,859,395; May 24.

Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined radiator, hood, and fenders for vehicles. Des. 87,382; July 19.

Hughes, James R., South Bend, Ind., assignor to Pierce-Arrow Motor Car Company, Buffalo, N. Y. Automobile. Des. 88,093; Oct. 25.

Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Combined radiator, hood, and fenders for vehicles. Des. 88,151; Nov. 1.

Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined radiator and fender for vehicles. Des. 88,702; Dec. 27.

Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Trunk rack. 1,854,406; Apr. 19.

Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Door buffer. 1,855,713; Apr. 26.

Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Fender. 1,855,761; Apr. 26.

Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle trunk. 1,874,535; Aug. 30.

Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Vehicle hood. 1,875,925; Sept. 6.

Hughes, James W. (See Keller, K. T., and Hughes.)

Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Automatic nut finishing machine. 1,847,342; Mar. 1.

Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Making integral hubs and flange disks. 1,850,395; Mar. 22.

Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Method and machine for working metal. 1,855,449; Apr. 26.

Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Chuck. 1,855,450; Apr. 26.

Hughes, James W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Riveting machine. 1,875,520; Sept. 6.

Hughes, John M., Cincinnati, Ohio. Valve. 1,850,457; Mar. 22.

Hughes, John M., and J. H. Carter, Youngstown, Ohio, and Lewis B. Perkins, Sharon, assignors to Sharon Steel Hoop Company, Sharon, Pa. Substitute for natural feed ore. 1,891,889; Dec. 20.

Hughes, John R., Lynwood, assignor to V. C. Emden, Los Angeles, Calif. Separating borax. 1,889,989; Dec. 6.

Hughes, Joseph. (See Gordon, K., and Hughes.)

Hughes, Joseph, Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, Westminster, London, England. Carrying out chemical reactions in which reaction gases are circulated. 1,875,926; Sept. 6.

Hughes, Joseph E., Battle Creek, Nebr. Raising and lowering shields of tractor supported cultivators. 1,870,910; Aug. 9.

Hughes, Joseph F., and J. M. Smith, Smackover, Ark. Aircraft. 1,884,706; Oct. 25.

Hughes, Joseph H., Los Angeles, Calif. Portable saw support. 1,865,759; July 5.

Hughes, Kenneth, and J. Williams, Elwood, Ind. Stand for poultry fountains. 1,879,264; Sept. 27.

Hughes, Leonard W., Oakland, and W. H. von Hacht, San Francisco, Calif., Deodorizing apparatus; 1,866,164; July 5.

Hughes, Owen J., Stamford, Conn. Foot valve. 1,890,683; Dec. 13.

Hughes, Ralph C. (See Gaunt, F., Reynolds, and Hughes.)

Hughes, Ruth C., Topeka, Kans. Shield. 1,858,331; May 17.
Hughes, Sheldon E. (See Hutchcroft, David C., assignor.)
Hughes, Stanley. (See Teats, R., and Hughes.)
Hughes, Stanley, and R. Teats, Denver, Colo., assignors to American Smelting and Refining Company, New York, N. Y. Recovering thallium. 1,869,214; July 26.
Hughes, Stanley, and R. Teats, Denver, Colo., assignors to American Smelting and Refining Company, New York, N. Y. Extracting and separating cadmium. 1,869,253; July 26.
Hughes Tool Company. (See Baggett, H. T., and Garfield, assignors.)
Hughes Tool Company. (See Evans, Seth, assignor.)
Hughes Tool Company. (See Fletcher, Harold W., assignor.)
Hughes Tool Company. (See Hampton, Wade W., assignor.)
Hughes Tool Company. (See Ricker, Norman H., assignor.)
Hughes Tool Company. (See Schlumpf, Robert W., assignor.)
Hughes Tool Company. (See Scott, Floyd L., assignor.)
Hughes Tool Company. (See Scott, F. L., and Baggett, assignors.)
Hughes Tool Company. (See Scott, F. L., and Garfield, assignors.)
Hughes Tool Company. (See Wellensiek, Louis H., assignor.)
Hughes Tool Company. (See Woods, G. W., and Woods, assignors.)
Hughes, Walter J., assignor to General Zeolite Company, Chicago, Ill. Steam purifier discharge apparatus. 1,869,209; July 26.
Hughes, Walter J., assignor to General Zeolite Company, Chicago, Ill. Steam purifier discharge. 1,869,149; July 26.
Hughes, Walter J., assignor to General Zeolite Co., Chicago, Ill. Fluid purifying device. 1,890,294: Dec. 6.
Hughes, Wendell L., New York, N. Y. Ophthalmotrope. 1,851,602: Oct. 11.
Hughes, William C., Harrold, assignor of one-half to C. M. Rice, Medbourne, Leicestershire, England. Combined coi and pinion particularly adapted for use in motor cars and other vehicles. 1,887,810; Nov. 15.
Hughes, William E., Chicago, Ill., assignor to Sullivan Machinery Company, Automatic compressor control system. 1,863,853; June 21.
Hughes, William F., assignor to Rockford Drilling Machine Co., Rockford, Ill. Friction clutch. 1,848,887 Mar. 8.
Huguenin, Albert, Paris, France. Closing device for large openings which are essentially horizontal and are made watertight in all parts. 1,869,207; July 26.
Huguley, Job C., Arlington, Calif. Mop and brush holding means. 1,852,349; Apr. 5.
Huhn, Gustav, Berlin, Germany. Plug cock. 1,892,574; Dec. 27.
Huizinga, Marten J., Haarlem, Netherlands. Bidding apparatus. 1,867,684; Nov. 15.
Hukill, Henry D. (See Apple, V. G., and Hukill.)
Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Low pressure warning device. 1,850,626; Mar. 22
Hulbert, Allie Napoleon, Mich. Combination automobile trunk and table. 1,850,234; Mar. 22.
Hulbert, John L., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking machine pulsator. 1,885,110; Nov. 1.
Hulbert, John L., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Connecter for milking machines. 1,888,040; Nov. 15.
Hulbert, William G., assignor to William Wharton, Jr., & Company, Incorporated, Easton, Pa. Track structure. 1,878,984; Sept. 20.
Hulburt, Edward O., Washington, D. C. Piezo-electric crystal. 1,848,630; Mar. 8.
Hulburt, Edward O., and W. H. Crew, Washington, D. C. Light control circuit. 1,886,813; Nov. 8.
Hulett, Delbert, et al. (See Davis, Louis, jr., assignor.)
Hulett, Mason, New York, N. Y., assignor, by mesne assignments, to Burdick Corporation, Milton, Wis. Mercury vapor lamp. 1,886,400; Nov. 8.
Hulett, Schuyler C., Spokane, Wash. Clothes hanger. 1,885,783; Nov. 1.
Hulfish, David S., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph system. 1,861,344; May 31.
Huling, John E., Buffalo, N. Y. Signaling device. 1,869,748; Aug. 2.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device. 1,851,706; Mar. 29.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device. 1,855,885; Apr. 26.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device. 1,855,886; Apr. 26.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Oscillation generator. 1,857,194; May 10.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Hot cathode device. 1,865,407; June 14.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Controlled arc discharge apparatus. 1,872,753; Aug. 30.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device. 1,880,092; Sept. 27.
Hull, Alva M., assignor to Hul-Lo-Wen Fireproof Everlasting Homes Company, Detroit, Mich. Building construction. 1,868,068; July 19.
Hull, Andrew J., Laramie, Wyo., assignor to Wyoming Platinum and Gold Mining Syndicate. Recovering platinum. 1,876,945; Sept. 13.
Hull, Foster J., assignor to Pangborn Corporation, Hagerstown, Md. Sand blast helmet and ventilating means. 1,851,192; Oct. 4.
Hull, Foster J., assignor to Pangborn Corporation Hagerstown, Md. Sand blast nozzle wiggler. 1,883,017; Oct. 18.
Hull, Foster J., assignor to Pangborn Corporation, Hagerstown, Md. Sand blast barrel. 1,883,918; Oct. 25.
Hull, Foster J., assignor to Pangborn Corporation Hagerstown, Md. Sand blast air washing. 1,891,625; Dec. 20.
Hull, George A., assignor to Equipment Specialties Company, Chicago, Ill. Refrigerator car. 1,858,127; Apr. 12.
Hull, George A., assignor to Equipment Specialties Company, Chicago, Ill. Refrigerating car. 1,870,911; Aug. 9.
Hull, Guye L. (See Barrowman, W. L., and Hull.)
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. Re18,655; Dec. 6.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,856,765; May 3.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,867,744; July 19.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,881,603; Oct. 11.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Mechanical refrigerator. 1,883,919; Oct. 25.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,883,920; Oct. 25.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Heat dissipating device for refrigerating apparatus. 1,883,921; Oct. 25.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,922; Oct. 25.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,923; Oct. 25.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,924; Oct. 25.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,925; Oct. 25.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,926; Oct. 25.
Hull, Harry B., and D. H. Reeves, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,889,896; Dec. 6.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,891,231; Dec. 20.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,892,346; Dec. 27.
Hull, Harry E., Washington, D. C. Motor vehicle control. 1,859,544; Dec. 13.
Hull, Hiram, Brooksville, Fla. Farm tool. 1,881,604; Oct. 11.
Hull, John C., assignor to "Friend" Manufacturing Company, Gasport, N. Y. Spray nozzle. 1,847,964: Mar. 1.
Hull, John C., assignor to "Friend" Manufacturing Company, Gasport, N. Y. Fruit and vegetable dusting apparatus. 1,858,090; May 10.
Hull, John E., Edgewood, R. I., assignor to Victor Ring Traveler Company, Ring Traveler. 1,873,725; Feb. 23.
Hull, John L., Schenectady, N. Y., assignor to General Electric Company. Speed control. 1,854,991; Apr. 19.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Motor speed control apparatus. 1,860,183; May 24.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Speed control. 1,863,408; June 14.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Load control. 1,865,414; June 28.
Hull, Lewis M. (See Manlatine, S., and Hull.)
Hull, Lewis M. (See Drake, F. H., Hull, and Loughlin.)
Hull, Lewis M. (See Snow, H. A., and Hull.)
Hull, Lewis M., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier circuit. 1,861,571; June 7.
Hull, Walter A., Oak Park, Ill. Tunnel kiln. 1,867,318; July 12.
Hulley, Albert, and W. J. Hulley, City Island, N. Y. Tail gate control device. 1,872,738; Aug. 23.
Hulley, Albert and W. J., City Island, N. Y. Sliding door clamp. 1,892,149; Dec. 27.

Hulley, William J. (See Hulley, Albert and W. J.)
Hullings, Otis H., Alexandria, Va. Laundry machine. 1,852,284; Oct. 11.
Hul-Lo-Wen Fireproof Everlasting Homes Company. (See Alva M., assignor.)
Hulme, Andrew G., Stockport, England, assignor to Baker Perkins Company Incorporated, Saginaw, Mich. Crystallization of gums, fondants, sweetmeats or the like. 1,867,263; July 12.
Hulme, John G., Duluth, Minn. Steam bath furnace. 1,857,024; May 3.
Hulsart, Charles A., Westfield, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Boiler furnace. 1,892,661; Dec. 27.
Hulse, Albert J. (See Andrews, C. W., and Hulse.)
Hulse, Delbert T. (See Williams, William E., assignor.)
Hulse, George E., New Haven, Conn., assignor to The Silica Gel Corporation, Baltimore, Md. Multiple burner control. 1,844,959; Feb. 16.
Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Car lighting equipment. 1,854,935; Apr. 19.
Hulse, George E., and J. D. Strobell, New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Apparatus for cooling. 1,858,353; Nov. 1.
Hulse, Stewart H. (See Andrews, C. W., and Hulse.)
Hulse, Stewart H., Elizabeth, N. J., assignor to Standard Oil Development Company. Method and apparatus for heat exchangers. 1,877,713; Sept. 13.
Hulseberg, Herman H. A., Chicago, Ill. Tie rack. 1,870,729; Aug. 9.
Hulsebus, Wichert Laren, Netherlands. Swash plate mechanism. 1,842,322; Jan. 19.
Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Clamp. 1,842,026; Jan. 19.
Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,855,240; Apr. 26.
Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Cleansing device for rock drills. 1,865,010; June 28.
Hulslander, Ray D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for feeding powdered material. 1,883,452; Oct. 4.
Hulst, Clarence P., Talbot County, Md. Screen. 1,843,874; Feb. 2.
Hulstrom, David A., Berlin, Germany. Diaphragm for loud speakers. 1,888,532; Nov. 22.
Hult, Warner G., and H. Kinnsmill, Cleveland, Ohio. Clutch and control device for motor vehicles. 1,890,153; Dec. 6.
Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Chair back. 1,889,479; Nov. 29.
Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Adjustable-back-chair. 1,889,478; Nov. 29.
Hultgren, Emil, and H. Mikkelson, Warwick, N. Dak. Ratchet pinch bar. 1,866,651; July 12.
Hultin, John, et al. (See Salmon, Benjamin J., assignor.)
Hultman, Gunnard. (See Osterdahl, Martin, assignor.)
Hultman, Gustaf Ferdinand, Stockholm, Sweden. Purifying coal gas from hydrogen sulphide. 1,849,526; Mar. 15.
Hultman, Gustaf, Ramnas Kyrkby, assignor to Aktiebolaget Bergslagens Elektromekaniska Kraftforvaltning, Vasteras, Sweden. Method of and apparatus for changing over power-line poles. 1,877,241; Sept. 13.
Hultquist, Charles A., Los Angeles, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill. Drill steel retaining device. 1,841,953; Jan. 19.
Humason, Granville A. (See McEvoy, J. H., Humason, and Humason.)
Humason, Granville A., Houston, Tex., assignor of one-half to J. A. Logan. Casing head. 1,855,350; Apr. 26.
Humason, Granville A., Houston, Tex., assignor of one-third to Marcia Manning, Brooklyn, N. Y. Well tester. 1,875,006; Aug. 30.
Humbel, Alexander, assignor to The A. L. Connelly Co., Cleveland, Ohio. Mining machine. 1,888,085; Nov. 15.
Humber Limited. (See Green, Edward A., assignor.)
Humber Limited. (See Grimbly, Edward G., assignor.)
Hume, Edward S., Perth, Western Australia, Australia. Apparatus for the manufacture or lining of pipes by centrifugal action. 1,849,784; July 5.
Hume, Everett R., Wetherford, Okla. Amusement device. 1,880,139; Sept. 27.
Hume, George M., Fresno, Calif. Type form tie. 1,876,231; Sept. 6.
Humes, Homer C., and G. L. Robinson, Los Angeles, Calif. Screw holding attachment for screw drivers. 1,889,330; Nov. 29.
Hume, Horace D. (See Love, J. E., and Hume.)
Hume, John, Houston, Tex., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid controlling device. 1,860,417; May 31.
Hume, John T., assignor to Electric Household Utilities Corporation, Chicago, Ill. Power-operated laundry machine. 1,850,396; Mar. 22.
Hume, John T., Chicago, assignor to Electric Household Utilities Corporation, Cicero, Ill. Washing and ironing machine. 1,863,852; June 21.
Hume, Walter R., Melbourne, Victoria, Australia. Electric welding apparatus. 1,852,781; Apr. 5.
Humer, Frank, assignor to General Motors Corporation, Detroit, Mich. Door. 1,847,965; Mar. 1.
Humes, James T., Harrisonburg, Va. Sound muffling device for typewriters and other machines. 1,870,120; Aug. 2.
Hume Steel Limited. (See Gosgrove, C., and Chadwick, assignors.)
Humitube Mfg. Co. (See Neumiller, Harry J., assignor.)
Hummel & Downing Co. (See Ethridge, Albert S., assignor.)
Hummel, Louis A., Milwaukee, Wis., assignor, by mesne assignments, to Snap-On Tools, Inc., Kenosha, Wis. Reversible ratchet wrench. 1,854,513; Apr. 19.
Hummerich, Franz. (See Maennchen, K. F., and Hummerich.)
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Undersereen window operator. 1,860,418; May 31.
Hummert, Robert U., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Airplane inner-controlled spot lamp. 1,873,607; Sept. 6.
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Combination curtain, dust guard, and drapery holding bracket. 1,881,605; Oct. 11.
Hummert, Robert H., and G. E. Gravenstine, assignors to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spring catch for metal sash hardware. 1,867,745; July 19.
Humphaer, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Veneer panel and forming. 1,858,957; May 17.
Humphreville, Edwin, Lancaster, Pa. Heat conserver. 1,881,606; Oct. 11.
Humphrey, A. B., Co. (See Greene, Tred E., assignor.)
Humphrey, Effingham P., Drifton, Pa. Gyroscarator. 1,888,131; Nov. 15.
Humphrey, George A. (See Humphrey, H. R. and G. A.)
Humphrey, Glen S., Brooklyn, assignor to Metal Package Corporation, New York, N. Y. Carrying case. 1,867,455; July 12.
Humphrey, Herbert A., Billingham, Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Introducing liquids or mixtures thereof with solids into high pressure apparatus. 1,888,953; Nov. 22.
Humphrey, Herbert S., assignor to Mould Manufacturing Company, Kalamazoo, Mich. Water heater. 1,839,392; Jan. 5.
Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Valve mechanism. 1,839,483; Jan. 5.
Humphrey, Hubert R. and G. A., assignors to General Gas Light Company, Kalamazoo, Mich. Heating apparatus. 1,843,450; Feb. 2.
Humphrey, Hubert R., and G. A., assignors to General Gas Light Company, Kalamazoo, Mich. Gas burner. 1,843,451; Feb. 2.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Resin acid ester and producing. 1,843,284; Feb. 2.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing fenchone. 1,850,683; Mar. 22.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing rosin oils. 1,852,244; Apr. 5.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,852,245; Apr. 5.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing fenchone. 1,876,454; Sept. 6.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated resin esters and producing. 1,877,179; Sept. 13.
Humphrey, Irvin W., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining turpentine. 1,854,165; Apr. 12.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,887,092; Nov. 8.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,887,157; Nov. 8.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,890,086; Dec. 6.
Humphrey, Walter E., Jeannette, Pa., assignor to Pennsylvania Rubber Company. Apparatus for producing hollow rubber articles. 1,863,339; June 14.
Humphrey, Walter E., assignor to The Mason Tire & Rubber Corporation, Kent, Ohio. Fabricating beads for pneumatic tires. 1,881,276; Oct. 4.
Humphrey, Walter E., Jeannette, Pa., assignor to Pennsylvania Rubber Company. Sorting apparatus. 1,888,673; Nov. 22.
Humphrey, William G., Toronto, Ontario, Canada. Ductor roll timer. 1,872,739; Aug. 23.
Humphrey, William G., Wheeling W. Va. Operating means for power presses. 1,876,944; Sept. 13.
Humphreys, Caroline G., Forest Hills, N. Y. Bottle. Des. 86,570; Mar. 22.
Humphreys, Charles F. (See Hartman, S. H., and Humphreys.)

Humphreys, Charles F., and J. C. McCarthy, assignors to Armstrong Cork Company, Lancaster, Pa. Printing marbleized patterns on floor coverings. 1,853,017; Apr. 5.
Humphreys, Charles F. and H. W. Prentis, Jr., assignors to Armstrong Cork Company, Lancaster, Pa. Linoleum. 1,873,587; Aug. 23.
Humphreys, David R., Los Angeles, Calif. Wall texture smoothing trowel. 1,868,013; July 19.
Humphreys, Edwin S., Aurora, Ill., assignor, by mesne assignments, to Aurora X-Ray Corporation. Arc lamp. 1,877,242; Sept. 13.
Humphreys, Harry S., assignor to Armstrong Cork Company, Lancaster, Pa. Embossing linoleum. 1,850,227; Mar. 22.
Humphreys, Omar R. (See Humphreys, Walter G. and O. R.)
Humphreys, Omar R., and W. G., Omaha, Nebr. Dragline excavating bucket. 1,882,147; Oct. 11.
Humphreys, Walter G. (See Humphreys, Omar R. and W. G.)
Humphreys, Walter G. and O. R., Omaha, Nebr. Chain connector for pulleys. 1,853,306; Apr. 12.
Humphreys, Walter G. and O. R., Omaha, Nebr. Sprocket wheel. 1,853,308; Apr. 12.
Humphreys, William A., Morgan Hill, Calif. Plow. 1,853,307; Apr. 12.
Humphries, Alfred. (See McConnel, F. W., and Humphries.)
Humphries, Chad H., assignor to Metals Protection Corporation, Indianapolis, Ind. Chromium plating. 1,857,547; May 10.
Humphries, Chad H., assignor to Metals Protection Corporation, Indianapolis, Ind. Technically pure CrO_3. 1,857,548; May 10.
Humphries, Frank, Parkstone, England. Pressure exerting mechanism for use in presses and other machines. 1,851,841; Mar. 29.
Humphries, Frank, Parkstone, Dorset, England. Brick, block, slab, and the like. 1,858,091; May 10.
Hunn, Anton. (See Wagner, J., and Hunn.)
Huncilker, Karl, assignor to I. E. McCabe, Chicago, Ill. Manufacture of electric mercury bulb switches. 1,882,613; Oct. 11.
Huncilker, Karl, assignor to I. E. McCabe, Chicago, Ill. Inclosed mercury switch. 1,882,614; Oct. 11.
Hund, August, Bethesda, Md. Piezo-electric crystal oscillator system. 1,861,862; June 7.
Hund, August, Bethesda, Md. Piezo electric crystal system. 1,865,858; July 5.
Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Pick-up amplifier. 1,863,052; June 14.
Hund, August, Bethesda, Md., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Piezo electric crystal apparatus. 1,886,814; Nov. 8.
Hund, August, Bethesda, Md. Method and apparatus for generating electrical oscillations. 1,886,815; Nov. 8.
Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. System of electrical distribution. 1,888,555; Nov. 22.
Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Space discharge tube. 1,888,556; Nov. 22.
Hund, Walter J. (See Rosenstein, Ludwig.)
Hund, Walter J. (See Rosenstein, L., and Hund.)
Hunerhoff, Harry C., Brooklyn, N. Y. Golf bag. 1,845,088; Feb. 16.
Hungerford, Daniel C., Corning, N. Y. Door. 1,868,233; July 19.
Hungerford, Daniel D. and F. S., and A. P. Newland, Elmira, N. Y. Internal combustion engine. 1,853,563; Apr. 12.
Hungerford, Floyd S. (See Hungerford, D. D. and F. S., and Newland.)
Hunicker, Karl. (See McCabe, I. E., and Hunicker.)
Hunkel, Hermann, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Amplifier station for deep-sea signaling cables. 1,877,511; Sept. 13.
Hunkins, Harold R., Brooklyn, assignor to International Communications Laboratories, Incorporated, New York, N. Y. Variable attenuator. 1,872,954; Aug. 23.
Hunsaker, Claude H., University City, Mo. Making cellular stone like materials. 1,849,096; Mar. 15.
Hunsaker, Frank B. and T. M., Portland, Oreg. Combination tweezers and blackhead remover. 1,842,403; Jan. 26.
Hunsaker, Thomas M. (See Hunsaker, Frank E. and T. M.)
Hunt, A. P. (See Betterman, Herman, assignor.)
Hunt, Albert P. (See MacLachlan, John C., assignor.)
Hunt, Albert P. (See Washburn, Robert M., assignor.)
Hunt, Alfred J., Twyford, assignor to Harry Frank, London, England. Machine for delivering change for coins inserted therein. 1,856,684; May 3.
Hunt, Allan F., Burlingame, Calif. Card index. 1,873,841; Aug. 23.
Hunt, Andrew M., San Francisco, Calif., assignor to The Standard Stoker Company, Incorporated. Mechanical stoker. 1,844,425; Feb. 9.
Hunt, Andrew M., deceased, New York, N. Y.; Crocker First Federal Trust Company, executor of said A. M. Hunt, assignor to The Standard Stoker Company, Incorporated. Fluid cooled distributing member for stokers. 1,869,061; July 26.
Hunt, Andrew M., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Mechanical stoker. 1,885,203; Nov. 1.
Hunt, Andrew M., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Outside feed stoker. 1,892,394; Dec. 27.
Hunt, Andrew M., San Francisco, Calif., assignor to The Standard Stoker Company, Incorporated. Stoker fuel distributor. 1,892,395; Dec. 27.
Hunt, Arthur E. (See Hunt, E. F., and Hunt.)
Hunt, Arthur E., Brooklyn, N. Y., and W. Y. Lang, Towaco, Hunt, Charles, Washington, D. C. Launching machine. 1,887,056; Nov. 8.
N. J.; said Hunt assignor to American Telephone and Telegraph Company and said Lang assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printing telegraph system. 1,881,607; Oct. 11.
Hunt, Charles W. (See Wadsten, S., and Hunt.)
Hunt, Clifford C., assignor to Reynolds Spring Company, Jackson, Mich. Spoon or similar article. Des. 88,553; Dec. 6.
Hunt & Dorman Manufacturing Company. (See Hannum, Byron F., assignor.)
Hunt, Edward M. (See Fonseca, E. L., Hunt, and Barnum.)
Hunt, Emma F., New York, N. Y. Combined coat hanger and hat stand. 1,888,228; Nov. 22.
Hunt, Francis H., Leonia, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Excavating bucket. 1,870,050; Aug. 2.
Hunt, Franklin, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Accelerator for refrigeration units of soda fountains. 1,850,303; Mar. 22.
Hunt, Franklin B. (See Pratt, J. H., and Hunt, assignors.)
Hunt, Franklin B., Chicago, Ill., assignor to Drylce Equipment Corporation, New York, N. Y. Heat transfer system and method. 1,845,200; Jan. 12.
Hunt, George, West Bridgford, assignor to Hunt Patent Hosiery Finishing Machine Company, Limited, Nottingham, England. Apparatus for finishing knitted hose and the like. 1,840,814; Jan. 12.
Hunt, George H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,007; Aug. 30.
Hunt, Harry D., Miami, Ariz. Apparatus for feeding liquids. 1,859,774; May 24.
Hunt, Herbert R., Sioux Falls, S. Dak. Snow removing device. 1,890,730; Dec. 13.
Hunt, Howard M., Huntington Park, and J. H. Battelger, Los Angeles, assignors to Smoot-Holman Company, Inglewood, Calif. Refrigerated showcase. 1,851,515; Mar. 29.
Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Spare wheel carrier lock. 1,843,423; Feb. 2.
Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Dual wheel mounting. 1,850,397; Mar. 22.
Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel structure adapted for demountable rims. 1,855,451; Apr. 26.
Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wire wheel hub assembly. 1,858,827; May 17.
Hunt, James B., Dayton, Ohio. Golf club head. 1,854,548; Apr. 19.
Hunt, John H., Detroit, Mich., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,842,831; Jan. 26.
Hunt, John H., assignor to General Motors Corporation, Detroit, Mich. Planetary friction transmission. 1,868,234; July 19.
Hunt, John H., Detroit, Mich., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,889,069; Nov. 29.
Hunt, John R. (See Rudolph, W. F., Hunt, and Cunningham.)
Hunt, John R., Los Angeles, Calif. Movement shift and focusing tube arrangement for motion picture cameras. 1,856,482; May 3.
Hunt, John W., Bristol Township, Kendall County, Ill. Paper vial. 1,842,804; Jan. 26.
Hunt, Nathan C., Salem, Ohio. Rolling mill cooling device. 1,850,878; Mar. 22.
Hunt, Nathan C., Salem, Ohio. Valve and coupling. 1,850,879; Mar. 22.
Hunt, Ormond E., assignor to General Motors Corporation, Detroit, Mich. Brake. 1,872,144; Aug. 16.
Hunt Patent Hosiery Finishing Machine Company. (See Hunt, George, assignor.)
Hunt, Paul C., et al., trustees. (See Hanke, Julius F., assignor.)
Hunt, Robert W., Company. (See Giryotas, Walter J., assignor.)
Hunt, Roy L. (See Piguet, L. A., and Hunt.)
Hunt-Spiller Manufacturing Corporation. (See Goostray, Joseph, assignor.)
Hunt, Sydney, Birmingham, assignor to John Walker & Sons Limited, London, England. Machine for the manufacture of glass articles. 1,853,276; Apr. 12.
Hunt, W. S. (See Moodyman, Edwin F., assignor.)

Hunt, Warren T., East Orange, N. J., assignor to The Willys-Overland Company, Toledo, Ohio. Sleeve valve engine lubrication system. 1,872,295; Aug. 16.

Hunt, William, assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Automatic fire safety device. 1,868,708; July 26.

Hunt, William F., New Brighton, and H. C. Stelling, Haworth, N. J., assignors to Oxweld Rail-Road Service Company. Acetylene lamp. 1,855,395; Apr. 26.

Hunt, William F., Central City, Calif. Fishbone removing machine. 1,861,863; June 7.

Hunt, William H., National City, Calif. Fish fin and tail guide means for filleting machines. 1,883,829; Nov.

Hunt, William H., National City, Calif. Fish dorsal fin centering means. 1,893,919; Dec. 6.

Huntemüller, Wolf, Dusseldorf, Germany. Steam boiler. 1,875,608; Sept. 6.

Hunter, Albert E., Oak Park, assignor to Regal Musical Instrument Co., Chicago, Ill. Banjo. 1,849,091; Mar. 15.

Hunter, Albert M., Philadelphia, Pa. Interest calculating device. 1,890,182; Dec. 6.

Hunter, B. B., et al. (See Holmes, Frank A., assignor.)

Hunter Candy Corporation. (See Barad, Alexander, assignor.)

Hunter, Charles R., and R. M. Pierce, Los Angeles, assignors to Universal Pictures Corporation, Universal City, Calif. Film treating apparatus and method. 1,845,416; Feb. 16.

Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Extension top for desks and the like. 1,849,092; Mar. 15.

Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Metal desk construction. 1,873,932; Aug. 23.

Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Metal desk construction. 1,873,933; Aug. 23.

Hunter Fan & Motor Company, The. (See Baker, Leon M., assignor.)

Hunter, Frank R., Kansas City, Mo., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Fuel feeding system. 1,850,672; May 31.

Hunter, Frederick L., jr., Towaco, assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Electron discharge device and making the same. 1,849,527; Mar. 15.

Hunter, H. B., Company. (See Hunter, Robert L., assignor.)

Hunter, Harry H., Attica, Kans. Grain sampler. 1,856,766; May 3.

Hunter, Herbert T., Catonsville, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Air compressing system. 1,840,288; Jan. 5.

Hunter, Herbert T., Catonsville, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Coating apparatus. 1,840,289; Jan. 5.

Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Baking oven. 1,854,034; Apr. 12.

Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Alimentary product forming device. 1,854,148; Apr. 12.

Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Forming means for cooking apparatus. 1,890,991; Dec. 13.

Hunter Illuminated Car Sign Company. (See Hunter, L. G., and Reisiger, assignors.)

Hunter, James, Newfane, N. Y. Smoking appliance. 1,850,503; Mar. 22.

Hunter, James, Machine Company, The. (See Cannity, Edward, assignor.)

Hunter, James Machine Company, The. (See Rundlett, William D., assignor.)

Hunter, James M., assignor to Gulf Pipe Line Company of Oklahoma, Tulsa, Okla. Process and apparatus for dehydration of crude oil emulsions. 1,879,849; Sept. 27.

Hunter, John C., Columbus, Ohio. Combined telephone stand and telephone directory secretary. Des. 87,879; Oct. 4.

Hunter, John N., Norbury, England, assignor to Pyrene Manufacturing Company, Newark, N. J. Container-piercing mechanism. 1,881,608; Oct. 11.

Hunter, John S., Coalinga, Calif. Long stroke jack. 1,845,530; Mar. 8.

Hunter, Lance G., Flushing, N. Y. Mounting for a panel. 1,891,932; Dec. 27.

Hunter, Lytle G., Flushing, N. Y. Mounting for panels. 1,859,104; Dec. 6.

Hunter, Lytle G. and H. B. Reisiger, assignors to The Hunter Illuminated Car Sign Company, Flushing, N. Y. Indicator. 1,879,265; Sept. 27.

Hunter, Mary P., et al. (See Fairley, Taliaferro J., assignor.)

Hunter, Morris, Richmond, Va. Electrically heated brooder. 1,861,119; May 31.

Hunter, Percy E., Pittsburgh, Pa. Annealing apparatus. 1,863,053; June 14.

Hunter, Percy E., Pittsburgh, Pa. Highway guard. 1,871,062; Aug. 9.

Hunter, Percy E., Pittsburgh, Pa. Traffic guard. 1,881,376; Oct. 4.

Hunter, Percy E., and L. E. Endsley, Pittsburgh, Pa.; said Endsley assignor to said Hunter. Method and apparatus for feeding sheets. 1,850,108; Mar. 22.

Hunter, Ralph M. (See Ward, L. E., and Hunter.)

Hunter, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Curtain for electrolytic cells employing fused baths. 1,855,351; Apr. 26.

Hunter, Ralph M., L. C. Stewart, H. E. Houser, and Lee De Pree, assignors to The Dow Chemical Company, Midland, Mich. Treatment of electrodes. 1,861,415; May 31.

Hunter, Ralph M., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Making metallic magnesium. 1,861,798; June 7.

Hunter, Ralph M., and L. E. Ward, assignors to The Dow Chemical Company, Midland, Mich. Treating electrodes. 1,868,206; July 19.

Hunter, Robert L., assignor to H. B. Hunter Company, Newton, Va. Confection holder. 1,867,945; July 19.

Hunter, Roydon E., Dinuba, Calif. Brooder. 1,842,672; Jan. 26.

Hunter, Russell N., Westfield, N. J., and H. F. Stover, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Transposition bracket for insulators. 1,840,861; Jan. 12.

Hunter, Samuel, Bellevue, assignor to Armstrong & White, Pittsburgh, Pa. Mortising machine. 1,858,783; May 10.

Hunter, W. J., et al. (See Fairley, Taliaferro J., assignor.)

Hunter, Warren N., Newark, N. J., assignor to Mun-Kee Products Corporation, Pasadena, Calif. Ink pad. 1,840,777; Jan. 12.

Hunter, William C. (See Doolittle, R. L., and Hunter.)

Hunter, William N., Blanchester, Ohio. Device for making and carrying cigarettes. 1,879,266; Sept. 27.

Huntington, George W., Glencoe, Minn. Mower for high-wire sides. 1,882,267; Oct. 11.

Huntington, Harriet E., Los Angeles, and W. A. Booz, Whittier, Calif. Automatic answering and recording telephone device. 1,875,776; Sept. 6.

Huntington Rubber Mills. (See Bellows, Earl S., assignor.)

Huntington, Willis G. (See Roberts, F. B., and Huntington.)

Huntley, Alton K., Cleveland, Ohio, assignor to National Carbon Co., Inc. Dry cell battery. 1,855,677; Apr. 26.

Huntley, Alton K., Syracuse, Ind., assignor to National Carbon Company, Inc. Dry cell battery. 1,863,794; June 21.

Huntley, Charles E., Minneapolis, Minn. Corner cove. 1,845,603; Feb. 16.

Huntley Manufacturing Co. (See Howson, Charles T., assignor.)

Huntley, Reginald C., assignor to Sturgis Posture Chair Company, Sturgis, Mich. Stand or table. 1,858,857; May 17.

Huntley, Rupert, and H. E. Wickham, Toronto, Ontario, Canada. Combined display device and clock. Des. 86,372; Mar. 1.

Hunton, William G., Great Missenden, England. Instrument for viewing designs in multiple. 1,866,306; July 5.

Huntoon, Charles F., San Marino, Calif. Brake beam support. 1,875,240; Aug. 30.

Huntoon, John S., Detroit, Mich., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,851,959; Mar. 29.

Huntress, Ernest H., Cambridge, Mass., assignor to Swann Research, Inc. Preparation of tetranitrodiphenyl. 1,870,627; Aug. 9.

Huntress, Ernest H., Cambridge, Mass., and C. R. McCullough and C. F. Booth, Anniston, Ala., assignors to Swann Research, Inc. Producing mononitrodiphenyls. 1,891,543; Dec. 20.

Huntsberger, Russell C., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Gauge mechanism. 1,874,296; Aug. 30.

Huntzicker, Emma P., Memphis, Tenn. Automatic dating machine. 1,850,880; Mar. 22.

Hunziker, Paul, Hamilton Beach, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag stacking apparatus. 1,887,023; Nov. 8.

Hupe, Richard, Konstanz, assignor, by mesne assignments, to Deutsche Gold- & Silber-Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Hydrogenation of naphthalene. 1,876,007; Sept. 6.

Hupe, Richard, Konstanz, assignor, by mesne assignments, to Deutsche Gold- & Silber-Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Hydrogenation of naphthalene. 1,876,008; Sept. 6.

Hupp, Albert, Chicago, Ill. Antivibration support for vehicle bodies. 1,854,794; Apr. 19.

Hupp, Charles A., Indianapolis, assignor of one-half to W. M. Wilt, Syracuse, Ind. Rubber table cover. 1,865,011; June 28.

Hupp Motor Car Corporation et al. (See Gadoux, André, assignor.)

Hupp Motor Car Corporation. (See Holmes, John R., assignor.)

Hupp Motor Car Corporation. (See Loewy, Raymond, assignor.)

Hupp Motor Car Corporation. (See MacPherson, Earle S. assignor.)

Hupp Motor Car Corporation. (See Ornberg, Ivan, assignor.)
Hupp Motor Car Corporation. (See Punke, John J., assignor.)
Hupp Motor Car Corporation. (See Walker, Hiram, assignor.)
Huppert, William, New York, N. Y. Electric plug. 1,854,842; Apr. 19.
Huppert, William, New York, N. Y. Armored electrical plug. 1,882,615; Oct. 11.
Hural, Alexander. (See Rodin, W. F., and Hural.)
Hurd, Irwin D., Detroit, Mich. Spare tire and rim lock. 1,875,734; Sept. 6.
Hurd, George M., South Bend, Ind. Water pump. 1,884,974; Oct. 25.
Hurewitz, Alexander, Bronx, N. Y. Fastening device for pins. 1,860,857; May 31.
Hurford, Ebenezer B., New York, N. Y. Sign. 1,872,145; Aug. 16.
Hurlbrink, Ernst, Berlin-Westend, assignor to the Firm Fabrik Explosionssicherer Gefasse Salzkotten G. m. b. H., Salzkotten, Germany. Device for measuring liquids. 1,889,096; Nov. 29.
Hurlburt, Lew A., Perry, Iowa. Toilet control apparatus for vehicles. 1,845,277; Feb. 16.
Hurley, Albert B., New York, N. Y. Nonglare moving picture screen. 1,868,834; July 26.
Hurley, Albert N., assignor to National Paper Process Company, New York, N. Y. Producing normal light effects. 1,877,512; Sept. 13.
Hurley, Charles P., Caldwell, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Container for poison syrup and the like. 1,870,628; Aug. 9.
Hurley, Paul M., Minneapolis, Minn. File index device. 1,885,354; Nov. 1.
Hurley, Percy W., Sharon Hill, Pa. Mining tool. 1,850,220; Oct. 4.
Hurley, Roy T., Dobbs Ferry, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Measuring instrument. 1,848,952; Mar. 8.
Hurley, Roy T., Dobbs Ferry, assignor to Motometer Gauge & Equipment Corporation, Long Island City, N. Y. Motor heat indicator. 1,871,527; Aug. 16.
Hürlimann, Hans, Kirchberg, Switzerland. Tedder. 1,863,444; June 14.
Hürlimann, Hans. Wil, Switzerland. Tread device for vehicle wheels. 1,863,481; June 14.
Hürlimann, Max. (See Widmer, S., and Hürlimann.)
Hürlimann, Oskar, Munich, Germany. Device for distributing air or gases in fluids. 1,851,251; Mar. 29.
Hurst, Ford M., St. Joe, Ind. Wind indicator for aviators. 1,872,267; Aug. 16.
Hurns, Thomas E., and A. Y. Leslie, Detroit, Mich., assignors to Remington Rand Inc., Buffalo, N. Y. Card interpreter. 1,889,920; Dec. 6.
Hursh, Clayton C. (See Kronborg, K., and Hursh.)
Hurst, Edward. (See Hamilton, K. D., and Hurst.)
Hurst, Elizabeth T., Olympia, Wash. Pie pan. 1,879,268; Sept. 27.
Hurst, George M., Chippawa, Ontario, Canada. Musical mechanism. 1,840,909; Jan. 12.
Hurst, George P., assignor of one-half to W. P. Baken, Rapid City, S. Dak. Knife sharpener. 1,886,483; Nov. 8.
Hurst, Ira A., Schenectady, N. Y., assignor to General Electric Company. Moldable composition and molded products obtained therefrom. 1,863,540; June 14.
Hurst, Ira N. (See Hansen, Julius W., and W. L., and Robert B.
Hurt, Robert B., assignor to Hardwick Stove Company, Cleveland, Tenn. Gas range. Des. 86,524; Mar. 15.
Hurt, Robert B., assignor to Hardwick Stove Company, Cleveland, Tenn. Gas range. 1,854,035; Apr. 12.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Indicating chart. 1,851,516; Mar. 29.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Height measuring device. 1,857,280; May 10.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,869,425; Aug. 2.
Hurtado, Carlos, New York, N. Y. Watering device. 1,890,608; Dec. 13.
Hurwitz, Eugen, Berlin, Germany, assignor to General Electric Company. Bases for incandescent lamps and similar devices. 1,859,092; May 17.
Hurwitz, Hermann, & Co. (See Welde, Rudolph, assignor.)
Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Ball bearing housing. Re18,486; May 31.
Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Chemical loop drier conveyer. 1,840,200; Jan. 5.
Hurxthal, Alpheus O., assignor to Proctor & Schwartz Electric Company, Philadelphia, Pa. Thermostatic element. 1,857,025; May 3.
Hurych, Jerome W., Astoria, N. Y., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drafting table. 1,847,398; Mar. 1.
Husa, Frank, Camden, N. J. Sanitary milk bottle. 1,841,265; Jan. 12.
Huse, John O., et al. (See Berg, Alfred J., assignor.)
Hush, Foss C., Lincoln, Nebr. Fuse box. 1,885,111; Nov. 1.
Huskey, Oliver B., Los Angeles, Calif. Ignition insulation composition. 1,892,105; Dec. 27.
Huss, Adolph E., Davenport, Iowa. Safety latch for windows. 1,857,958; May 10.
Hussey, Charles. (See Nicholas, M., Koller, Ledel, and Hussey.)
Hussmann-Ligonier Company. (See Jostedt, Theodore A., assignor.)
Hussmann-Ligonier Company. (See McCord, D. C., and Bataille, assignors.)
Hussmann-Ligonier Company. (See Rubin, Adolph, assignor.)
Hussmann-Ligonier Company. (See Rutishauer, Donald E., assignor.)
Hussmann-Ligonier Company. (See Vance, Jacob W., assignor.)
Husted, H. A., Company, The. (See Husted, Harry A., assignor.)
Husted, H. A., Company, The. (See Kraft, Herman T., assignor.)
Husted, Harry A., Cleveland, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,843,324; Feb. 2.
Husted, Harry A., assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,843,676; Feb. 2.
Huster, Alfred, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Water tube boiler. 1,851,842; Mar. 29.
Hustler Toy Corporation. (See Ferris, William D., assignor.)
Huston, Charles H., Allerton, Iowa. Liquid and air circulating refrigerator. 1,880,093; Sept. 27.
Huston, Claude B., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,839,922; Jan. 5.
Huston, Jack, and A. L. Slee, San Francisco, Calif., said Slee assignor to said Huston. Variable spacing mechanism for typewriters. 1,867,155; July 12.
Huston, Robert E., Trinity, Tex. Basket handle. 1,889,661; Nov. 29.
Huston, Tom, Columbus, Ga., assignor to Tom Huston Peanut Company. Bag filling apparatus. 1,859,562; May 24.
Huston, Tom, Peanut Company. (See Huston, Tom, assignor.)
Huston, Tom, Peanut Company. (Set Osteen, Belmont D., assignor.)
Huston, Samuel W., assignor of one-half to R. T. Gann, Trinity, Tex. Handle grip. 1,877,464; Sept. 13.
Husy, Ernst, Mittweida, assignor to F. Kuhlmann, Rustringen-Wilhelmshaven, Germany. Drafting machine. 1,843,424; Feb. 2.
Hutchcroft, David C., assignor of one-half to S. E. Hughes, Cleveland, Ohio. Seat, cushion, backrest, and the like. 1,853,617; Apr. 12.
Hutchens, Arthur R., Lake Wales, Fla. Double visibility card rack. 1,853,057; Apr. 12.
Hutchens, Arthur R., Lake Wales, Fla. Double-visibility card rack. 1,853,382; Apr. 12.
Hutchens, Howard O., and A. R. Krause, assignors to Gillette Rubber Co., Eau Claire, Wis. Method of and apparatus for making 4-ply stock on 3-roll calenders. 1,866,807; July 12.
Hutchens, Ralph W. (See Krause, A. R., and Hutchens.)
Hutchens, Ralph W. (See Snaike, Spencer O., assignor.)
Hutcheson, Ray R., Kew Gardens, N. Y., assignor to Wm. Demuth & Co., Portable lighter. Des. 86,457; Mar. 8.
Hutcheson, Ray R., Richmond Hill, assignor to American Nicoton Corporation, New York, N. Y. Combined liquid applicator and pad. Des. 86,604; Mar. 29.
Hutchings, Clarence R., Jersey City, N. J. Fumigating device. 1,851,430; Mar. 29.
Hutchings, Edward W., assignor of one-fourth to E. G. Swartz, one-fourth to W. T. Dailey, and one-fourth to D. A. Groff, Perry, Fla. Saw. 1,878,943; Sept. 13.
Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Record card holder. 1,843,484; Feb. 2.
Hutchings, Le Roi E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Index. 1,845,843; Feb. 16.
Hutchings, Le Roi E., Buffalo, N. Y., assignor to Remington Rand Inc., Tonawanda, N. Y. Paper file. 1,851,581; Mar. 29.
Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card index or record device. 1,856,388; May 3.
Hutchings, Le Roi E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Card holder. 1,858,219; May 10.
Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Articulated index device. 1,864,692; June 28.
Hutchings, Le Roi E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Index device. 1,865,057; June 28.
Hutchings, Le Roi E., assignor to Remington Rand Inc., Buffalo, N. Y. Visible index. 1,866,352; July 5.
Hutchings, Le Roi E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Indexed correspondence file. 1,866,353; July 5.

Hutchings, Le Roi E., assignor to Remington Rand Inc., Buffalo, N. Y. Index device. 1,868,207; July 19.

Hutchings, Le Roi E., Tonawanda, assignor to Remington-Rand Inc., Buffalo, N. Y. Loose leaf binder. 1,876,232; Sept. 6.

Hutchings, Le Roi E., Tonawanda, assignor to Remington-Rand Inc., Buffalo, N. Y. Index device. 1,876,233; Sept. 6.

Hutchings, Le Roi E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Binder lock. 1,876,419; Sept. 6.

Hutchings, Pryer H., assignor of one-fourth to T. F. Harrison, Wewoka, Okla. Bolt. 1,877,665; Sept. 13.

Hutchings, Stephen B., and W. L. Haanel, Chicago, Ill.; said Haanel assignor to said Hutchings. Portable electric fountain. 1,885,830; Nov. 1.

Hutchins Car Roofing Company. (See Franck, Edwin G., assignor.)

Hutchins Car Roofing Company. (See Wilson, Alfred R., assignor.)

Hutchins, Fern E., Lakewood, and C. F. Losey, Cleveland, Ohio. Display rack. 1,892,150; Dec. 27.

Hutchinson, Chrystie T., Detroit, Mich. Dental film mount. 1,840,719; Jan. 12.

Hutchinson, Edward, jr., Philadelphia, Pa. Guard for elevator doors. 1,854,936; Apr. 19.

Hutchinson, Ely C., Oakland, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic needle nozzle. 1,845,051; Mar. 15.

Hutchinson, Emma, Colorado Springs, Colo. Educational apparatus. 1,839,558; Jan. 5.

Hutchinson, Hayward, assignor to G. K. Syndicate Limited, London, England. Fire extinguishing device. 1,861,533; June 7.

Hutchinson, Henry B. (See Richards, E. H., and Hutchinson.)

Hutchinson, Henry B., Harpenden, England. Production of aliphatic acids by fermentation. 1,867,946; July 19.

Hutchinson, Lewis H., South Portland, Me. Whirling toy. 1,851,763; Mar. 29.

Hutchinson, Mackintosh. (See Monroe, Frederick W., assignor.)

Hutchinson, Mackintosh, Philadelphia, Pa. Woodworking machine. 1,841,032; Jan. 12.

Hutchinson, Mackintosh, Philadelphia, Pa. Woodworking machine. 1,885,520; Nov. 1.

Hutchinson, Oliver C. K., Alton, and L. M. Albright, Evanston, Ill. Collapsible tube. 1,855,714; Apr. 26.

Hutchinson, Oliver C. K., Alton, Ill., J. E. McLaughlin, and L. D. Soubier, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,879,684; Sept. 27.

Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Research Corporation, Detroit, Mich. Grinding machine. 1,890,854; Dec. 13.

Hutchinson, Robert B., Wilkinsburg, Pa. Exploding wedge. 1,882,417; Oct. 11.

Hutchinson, Robert H., assignor to D. Napier & Son Limited, London, England. Socket joint. 1,882,616; Oct. 11.

Hutchinson, Robert P., Bethlehem, Pa. Metal building construction. 1,863,692; June 21.

Hutchinson, Roland W., assignor to General Motors Research Corporation, Detroit, Mich. Gaseous fuel mixing device. 1,845,152; Feb. 16.

Hutchinson, Roland V., Lansing, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Minimizing torsional vibrations. 1,853,616; Apr. 12.

Hutchinson, Roland V., Lansing, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Crank shaft balancer. 1,865,108; June 28.

Hutchinson, Roland V., and C. L. McCuen, Lansing, assignors to Packard Motor Car Corporation, Detroit, Mich. Thermal control of cooling. 1,849,008; Mar. 8.

Hutchinson, Walter L., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Sizing device. 1,861,233; May 31.

Hutchinson, Walter L., Hartford, Conn., and R. F. Runge, Forest Hills Gardens, N. Y., assignors to The Skayef Ball Bearing Company, Hartford, Conn. Form grinding. 1,865,392; June 28.

Hutchinson, William S. (See Boenker, B. D., and Hutchinson.)

Hutchison, George R., Beckley, W. Va. Dispensing apparatus. 1,879,269; Sept. 27.

Hutchison, Hartley E., Hotchkiss, Colo. Illuminating dispensing containers. 1,843,512; Feb. 2.

Hutchison, Robert R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Valve adjusting mechanism. 1,872,083; Aug. 16.

Hutchison, Thomas S., Chicago, Ill. Ejector fork. 1,857,455; May 10.

Hutchison, Thomas S., Chicago, Ill. Removable handle. 1,862,680; June 14.

Hutchison, Thomas S., Chicago, Ill. Ejector fork. 1,892,246; Oct. 11.

Hutchison, Thomas S., Chicago, Ill. Game. 1,887,353; Nov. 8.

Huth, Dr. Erich F., Ges. m. b. H., the Firm. (See Trautwein, Friedrich, assignor.)

Huth, John A., Natrona, Pa. Diathermy electrode. 1,853,814; Apr. 12.

Huther Brothers Saw Manufacturing Company. (See Huther, Warren B., assignor.)

Huther, Warren B., assignor to Huther Brothers Saw Manufacturing Company, Rochester, N. Y. Circular saw. 1,861,218; May 31.

Huthsing, Charles A., St. Louis County, Mo. Forming joints. 1,849,089; Mar. 15.

Huthsing, Charles K., St. Louis County, Mo. Fire extinguisher. 1,888,674; Nov. 22.

Hutson, Charles S., Los Angeles, Calif. Loose leaf binder. 1,841,603; Jan. 19.

Hutt, Albert E., New Rochelle, N. Y. Pressure device for dispensing fluids, greases, and the like. 1,852,654; Apr. 5.

Hutt, George A. (See Hutt, Robert J., and G. A.)

Hutt, James W., Toronto, Ontario, Canada. Safety price tag. 1,891,833; Dec. 27.

Hutt, Robert J., and G. A. Hutt, Brooklyn, N. Y. Dolly. Des. 88,554; Dec. 6.

Hutwelcher, Paul J. (See Buholzer, Joseph, assignor.)

Huttner, John, assignor to A. J. Bayer Company, Los Angeles, Calif. Grave marker. Des. 85,939; Jan. 6.

Huttner, John, assignor to A. J. Bayer Company, Los Angeles, Calif. Grave marker. Des. 86,458; Mar. 8.

Huttner, John, assignor to A. J. Bayer Company, Los Angeles, Calif. Grave marker. Des. 86,459; Mar. 8.

Hutter, William H., assignor to Webster Electric Company, Racine, Wis. Electric phonograph pick up. 1,846,871; Feb. 23.

Huttinger, Charles A., Lakewood, assignor to Acme Rayon Corporation, Cleveland, Ohio. Treating fine filamentous thread in package form. 1,859,037; May 17.

Hutto Engineering Company. (See Hutto, Marsden, C., assignor.)

Hutto Engineering Company, Inc. (See Bates, P. D., and Hutto, assignors.)

Hutto, Marsden C. (See Bates, P. D., and Hutto.)

Hutto, Marsden C., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Apparatus for grinding cylindrical surfaces. 1,840,720; Jan. 12.

Hutton, Albert D., assignor, by mesne assignments, to Delbert L. Rand, Minneapolis, Minn. Liquid dispensing and measuring device. 1,886,022; Nov. 1.

Hutton, Alfred, and S. Miller, Schenectady, N. Y. Fire door apparatus. 1,893,094; June 14.

Hutton, Alfred C., et al. (See Martin, Otto J. T. G. R., assignor.)

Hutton, Arthur R., Albany, assignor to California Corrugated Culvert Company, West Berkeley, Calif. Band coupler. 1,839,761; Jan. 5.

Hutton, Clyde E., Dill, Okla. Attachment for cultivators. 1,854,697; Apr. 19.

Hutton, Sam B., assignor to Eastern Cabinet Company, Trenton, N. J. Cabinet. Des. 85,571; Mar. 22.

Hutton, Sam B., assignor to Eastern Cabinet Company, Trenton, N. J. Cabinet and extensible top therefor. 1,891,986; Dec. 27.

Hutzelaub, Eugen. (See Müller, K., and Hutzenlaub.)

Huwe, Edgar W., Noonan, N. Dak. Power take-off for motor driven vehicles. 1,881,699; Oct. 11.

Hux, Frank, Bruni, assignor to Standard Drilling and Sand Testing Company, Webb County, Tex. Sand testing tool for wells. 1,855,914; Apr. 26.

Hurford, George T., and F. J. Stratton, assignors to Builders Iron Foundry, Providence, R. I. Grinding machine. 1,866,212; July 5.

Huyck, F. C., & Sons. (See Wilson, Ezekiel J., assignor.)

Huzenlaub, Erich G., assignor to the Firm Holmberg & Co., G. m. b. H., Berlin, Germany. Washing machine. 1,847,946; Mar. 1.

Hveem, John J., Maywood, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,855,715; Apr. 26.

Hvosief, Fredrik W., Kohler, Wis. Combined radiator and humidifier. Des. 86,095; Mar. 29.

Hvosief, Fredrik W., assignor to Kohler Company, Kohler, Wis. Damper mechanism. 1,854,549; Apr. 19.

Hvosief, Fredrik W., assignor to Kohler Company, Kohler, Wis. Radiator hanger. 1,854,698; Apr. 19.

Hvosief, Fredrik W., Dearborn, assignor to The Timken Silent Automatic Company, Detroit, Mich. Oil burner. 1,859,157; Apr. 26.

Hyams, Herbert E., St. Paul, Minn. Shelf. 1,864,907; June 28.

Hyams, Lester J., New York, N. Y. Attachment for pencils and like instruments. 1,859,775; May 24.

Hyanes, Bert, Baltimore, Md., assignor to The New York Air Brake Company. Combined dust collector and shut-off cock. 1,871,214; Aug. 9.

Hyatt, Clinton B., Melrose Park, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Adjustable condenser. 1,868,945; July 26.

Hyatt, Louis C., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Device for reburning exhaust gases. 1,839,879; Jan. 5.

Hyatt, Louis C., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Burner. 1,839,880; Jan. 5.

Hyatt, Raymond D., assignor to The D. L. Auld Company, Columbus, Ohio. Hub cap fastener. 1,889,070; Nov. 29.

Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Airplane landing light. 1,845,153; Feb. 16.

Hybinette, Noak V., Wilmington, Del. Electrolytic copper refining. 1,844,937; Feb. 16.
Hybinette, Noak V., Wilmington, Del., assignor to The Nicralumin Company. Heat treatment of strong aluminum alloys. 1,858,092; May 10.
Hyde, Arthur M., Secretary of Agriculture of the United States. (See Rue, J. C., Wells, and Rawling, assignors.)
Hyde, Elmer H., Pittsburgh, Pa., assignor to American Tar Products Company, Inc. Composition of matter. 1,882,618; Oct. 11.
Hyde, Harold L., Pawtucket, R. I. Stop motion for twisting machines. 1,850,207; Mar. 22.
Hyde, George H., Watertown, N. Y. Boiler. 1,883,925; Oct. 25.
Hyde, Louis B., Detroit, Mich. Electric heater. 1,857,510; May 10.
Hyde, Louis B., Detroit, Mich. Electric hot water heater. 1,876,053; Sept. 6.
Hyde Park Lumber Company, The. (See Cordes, Edward C., assignor.)
Hyde, Ralph C. (See van Wyck, C., and Hyde.)
Hyde, Ralph C., Los Angeles, Calif., assignor, by mesne assignments, to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Electrode for neon type of luminous tubes. 1,860,419; May 31.
Hyde, Ralph C., Los Angeles, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Electrical terminal. 1,888,384; Nov. 22.
Hyde, Ralph C., and C. Van Wyck, Los Angeles, Calif., assignors to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Sign construction. 1,862,087; June 7.
Hyde, Ralph C., J. T. Northcott, Los Angeles, and E. O. Erickson, Altadena, Calif., assignors to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Support for neon signs. 1,867,836; July 19.
Hyde, Ralph E., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Die head. 1,848,297; Mar. 8.
Hyde, Robert M., deceased, Laurel, Miss.; V. M. Hyde, administratrix. Sanitary closet. 1,846,111; Feb. 23.
Hyde, Rollin M., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Tubing. 1,881,610; Oct. 11.
Hyde, Vesta M., administratrix. (See Hyde, Robert M., assignor.)
Hyde, Walter L., Maplewood, assignor to Missouri Rolling Mill Corporation, St. Louis, Mo. T-iron joint. 1,855,550; Apr. 26.
Hydraulic Brake Company. (See Bowen, H. C., and Heidloff, assignors.)
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Brake Company. (See Bradbury, Clifford C., assignor.)
Hydraulic Brake Company. (See Floraday, Burton S., assignor.)
Hydraulic Brake Company. (See Gardner, Clarence V., assignor.)
Hydraulic Brake Company. (See Heidloff, Joseph R., assignor.)
Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)
Hydraulic Brake Company. (See Loughead, M., and Oliver, assignors.)
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hydraulic Brake Company. (See Olivier, Wallace F., assignor.)
Hydraulic Brake Company. (See Scott, Donald O., assignor.)
Hydraulic Brake Company. (See Tseng, Andrew T. K., assignor.)
Hydraulic Press Brick Company. (See Hervey, Earl C., assignor.)
Hydraulic Press Manufacturing Company, The. (See Benedek, Elek, assignor.)
Hydraulic Press Manufacturing Company, The. (See Ernst, Walter, assignor.)
Hydraulic Press Manufacturing Company. (See Ernst, W., and MacMillin, assignors.)
Hydraulic Press Manufacturing Company. (See Hubbert, L. S., and Zube, assignors.)
Hydraulic Press Manufacturing Company. (See MacMillin, Howard F., assignor.)
Hydraulic Pressed Bearing Company. (See Johnson, H. L., and Stockfleth, assignors.)
Hydraulic Pressed Bearing Company. (See Stockfleth, Berger, assignor.)
Hydraulic Press Manufacturing Company. (See Thoreson, Reider, assignor.)
Hydraulik Gesellschaft mit beschrankter Haftung. (See Schlenstedt, Oswig, assignor.)
Hydro Electric Manufacturing Company. (See Lederman, John E., assignor.)
Hydrol Chemical Company. (See Haabestad, Erling H., assignor.)
Hydrometer A. G. (See Rezsny, Koloman, assignor.)
Hyer, John W., Kirkwood, Mo. Universal joint. 1,854,586; Apr. 19.
Hygienic Manufactures and Supplies Company, The. (See Nielsen, Heinrich V., assignor.)
Hygienic Tube and Container Co. (See Lermer, Herman B., assignor.)
Hyland, John L., New York, N. Y. Shade hanger and adjuster. 1,870,730; Aug. 9.
Hyland, Lawrence A., Washington, D. C., assignor, by mesne assignments, to Seaboard Airways, Inc., Columbus, Ohio. Signal indicating system. 1,867,264; July 12.
Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Direction finding system. 1,892,151; Dec. 27.
Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. High frequency stabilizer. 1,873,842; Aug. 23.
Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Thermostat. 1,877,131; Sept. 13.
Hyland, Lawrence A., Washington, D. C. Radio transmitter. 1,877,132; Sept. 13.
Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Beacon system. 1,884,707; Oct. 25.
Hyland, William A., East Moline, assignor to Deere & Company, Moline, Ill. Fertilizer distributor. 1,856,417; May 3.
Hyland, William A., East Moline, assignor to Deere & Company, Moline, Ill. Mold. 1,877,323; Sept. 13.
Hyman, Benjamin M., Chicago, Ill., assignor to International Harvester Company. Pick-up for harvester threshers. 1,850,458; Mar. 22.
Hyman, Daniel N., Detroit, Mich., assignor to Hyman Register Corporation, Buffalo, N. Y. Paper slip cutting device. 1,855,352; Apr. 26.
Hyman, George, Bronx, N. Y. Advertising display stand. 1,839,881; Jan. 5.
Hyman, Henry. (See Abel, Frank J., assignor.)
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Hyman, Henry. (See Post, Albert H., assignor.)
Hyman, Henry. (See Seuffert, Joseph F., assignor.)
Hyman, Julius, and A. F. Schlandt, assignors to The Pure Oil Company, Chicago, Ill. Treating petroleum emulsions. 1,860,248; May 24.
Hyman, Julius, assignor to The Pure Oil Company, Chicago, Ill. Artificially colored motor fuel. 1,891,093; Dec. 13.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Hyman Register Corporation. (See Hyman, Daniel N., assignor.)
Hyman, Robert W. (See Weaver, C. F., Hyman, and Wheatley.)
Hyman, S. E., Company, The. (See Hyman, Solomon E., assignor.)
Hyman, Solomon E., assignor to The S. E. Hyman Company, Fremont, Ohio. Seat cover. 1,889,662; Nov. 29.
Hymans, Henry, Hull, Iowa. Disk harrow. 1,881,358; Oct. 4.
Hymer, Herbert A., Detroit, Mich. Method of and apparatus for combustion of fuels. 1,869,897; Aug. 2.
Hymer, Ray T., and V. L. Embery, San Diego, Calif. Vehicle brake mechanism. 1,878,854; Sept. 20.
Hynes, Dibrell P. (See Mears, N. A., and Hynes.)
Hynes, Lee P. assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Door engine. 1,865,913; July 5.
Hyndman, Ross W., Des Moines, Iowa. Oil tank faucet bar lock. 1,860,288; May 24.
Hyneman, John R., Chatham, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Preventing feed-back in amplifier tubes having common plate supply. 1,845,979; Feb. 16.
Hynes, Dibrell P. (See Mears, N. A., and Hynes.)
Hynes, Dibrell P., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,863,340; June 14.
Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Bus heating system. 1,848,631; Mar. 8.
Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Door motor. 1,851,431; Mar. 29.
Hynes, Sylvanus, Canon City, Colo. Fruit washer. 1,881,611; Oct. 11.
Hynson, Westcott & Dunning, Inc. (See Dunning, F., and Stickels, assignors.)
Hynson, Westcott and Dunning Inc. (See White, Edwin C., assignor.)
Hy-Press Pump Company. (See Richer, Joseph R., assignor.)
Hyser, George W., Minneapolis, Minn. Control panel. 1,887,644; Nov. 15.
Hysing, Erik G., assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Striking tool. 1,856,336; May 3.
Hysing, Erik G., and K. J. A. Johanson, Stockholm, Sweden. Tool holder adapted for motor driven striking tools. 1,853,128; Apr. 12.
I. G. Farbenindustrie Aktiengesellschaft. (See Aickelin, H., and Teller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ambros, O., and Griessbach, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ambros, O., Reindel, Eisele, and Stoehrel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Andrussow, L., and Duerr, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Assmann, Peter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Baehr, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bühr, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ballauf, F., and Schmelzer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Balle, G., and Ost, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Beck, A., Schmidt, and Dibelka, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Beck, C., and Kremp, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Beck, C., and Schmidt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Becker, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Beller, H., and Luther, assignors.)
I. G. Farbenindustrie, Aktiengesellschaft. (See Berenbruch, Albert, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Berger, Waldemar, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bernhard, E., and Hilcken, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bernard, Hanns, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Braus, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., Wurster, and Buettgenbach, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J. and Johannsen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., and Käb, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bruck, Werner, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Busch, Werner, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Carstens, H., and Kröner, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Cornely, B., and Richter, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Curs, Alfred, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Daimler, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Daimler and Pfirrmann.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dankert, Carl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See de Ridder, E. and Alder, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Diels, O., and Alder, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dierichs, Alfred, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dietz, K., and Frank, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Drossbach, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Duftschmid, Franz, and Schlecht, assignors.)
I. G. Farbenindustrie, Aktiengesellschaft. (See Ebert, G., Fries, and Garbesch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ehrhardt, Udo, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eisenhut, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Elssner, Willy, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Nicodemus, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Pfannenschmidt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, Otto, Sponsel, and Balle, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eyer, Carl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eyer, C., Prowein, and Krug, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eyer, C., and Korn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fahr, R., and Keinke, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fahrenhorst, J., Gonnermann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fink, H., and Esselmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Finkelstein, H., and Achterberg, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Finkelstein, Hans, and Achterberg, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fikentscher, H., and Jacobi, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fraenzlein, G., Müller, and Berlin, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Franck, K., and Dietz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frank, K., and Dietz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frankenburger, W. Robl, and Zimmermann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Franzen, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Franzen, H., and Luther, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Galle, E., Hoffmann, and Zorn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, Wilhelm, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Germann, Emil, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gmelin, P., and Knodel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Goth, Erich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Günther, and Hetzer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gunther, F., Schuster, and Hetzer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Günther, F., Teller, Immerheiser, and Zschimmer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Haag, Walther, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hackhofer, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, Max, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Guehring, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Gühring, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Hingst, assignors.)
I. G. Farbenindustrie, Aktiengesellschaft. (See Hagedorn, M., and Jung, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., Ziese, Reyle, and Bauer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hamprecht, Walther, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Helmann, Heinrich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Helmann, H., Opfermann, Petersen, and Bayerl, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Helmann, H., Petersen, Bayerl, and Seefried, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Held, R., and Luther, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Henglein, F. A., and Stauf, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hentrich, W., and Hardtmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hentrich, W., Hardtmann, Hilger, and Zerweck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Herzberg, G., and Lange, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hintzmann, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hochhelm, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hofmann, F., and Dunkel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hofstadt, R., and Eller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, H., and Dunkel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Horst, Horst-Dietrich v. d., and Wietzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hubert, E., Röst-Grande, and Weisbrod, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jaenecke, B., and Küppel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jänecke, Ernst, assignor.)
I. G. Farbenindustrie, Aktiengesellschaft. (See Jordan, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kämpf, Carl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kämpf, A., and Hager, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kaufmann, Hans P., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kayser, Erich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Klein, R., and Ulrich, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Konrad, E. and Siefken, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Korte, Helmut, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Korten, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kraenz-G., and Müller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kramer, Oskar, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kränzlein, G., Müller, and Berlin, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C. and Müller-Cunradi, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., and Pier, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., Hochschwender, and Schunck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., Pier, and Hochschwender, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krech, Rudolph, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Krekeler, Heinz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kropp, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kropp, W., and Rosenthal, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kuss, E., and Gwehner, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Laage, Emil, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lampe, Ferdinand, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Laux, Julius, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lecher, H., and Koch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lehmann, R., and Michel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lehrer, Erwin, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Liese, Erwin, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lochr, Oskar, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lommel, W., and Goost, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lommel, W., Goost, and Friedrich, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lommel, W., and Münzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Flemming, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Held, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Heuck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Roth, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meidert, Friedrich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meis, Heinrich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Melms, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meyer, H., and Eller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meyer, K., and Wolf, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Michael, W., and Goez, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Josef M., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Frankenburger, and Winkler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Lucas, and Griesbach, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Wetzel, and Zangnet, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Möhring, A., Schultze, and Schlack, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Eggert, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Pistritus, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Pieroh, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Müller, W., and Michel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Münz, F., Keller, and Günther, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Naumann, Max, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nicodemus, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nicodemus, O., and Schmidt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nicolai, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nicolai, F., Scheerer, and Ter Braak, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nitzschke, O., Noack, and Schlecht, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Noack, E., and Nitzschke, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Noack, E., and Schubert, assignors.)
I. G. Farbenindustrie, Aktiengesellschaft. (See Orthner, Ludwig, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ossenbeck, A., Hentrich, and Tietze, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ott, K., and Schlosser, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Otto, M., and Bub, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Overdick, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Persiel, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Persiel, H., Baile, and Sponsel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Müller-Cunradi, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Pungs, and Wietzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Wietzel, and Winkler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Wissel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pokorny, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pongratz, E. V., and Zorn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, Wilhelm, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Eisenmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., Eisenmann, and Kuchenbuch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Raspe, F., and Weise, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Hoffmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rietz, Erich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ripke, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Röhre, K., and Heusler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, Leo, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ruppert, A., Fischer, Voight, and Hennig, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Sameshreiber, R., and Krumbein, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Sauerwein, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schladebach, H., and Hahle, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., Schubardt, and Duftschmid, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., and Duftschmid, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., and Keunecke, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., Keunecke, and Schubardt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, A., Ernst, and Lange, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., and Grosskinsky, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., and Meyer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., and Niemann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., Niemann, and Meyer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., Seydel and Meyer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schnabel, E., and Kühne, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schneevoight, A., and Nowak, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schubardt, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schubardt, W., and Schlecht,.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schuette, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schulze, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schumann, O., Muench, and Christ, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schwen, G., and Krzillalla, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schwerdtel, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Söll, Julius, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Söll, J., and Runkel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Soll, J., and Schnell, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Specketer, E., and Soll, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Sponsel, Kurt, and Jochum, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Staib, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Stauf, F. W., and Hagener, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Steimmig, Gerhard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Stolz, F., Krohs, and Schlichenmaier, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Strauss, and Ubsenmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Teupel, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Thauss, A., Mauthe, and Doser, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Tschunkur, E., and Bock, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ufer, Hanns, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Vierling, Karl, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Voss, Arthur, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Walter, George, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Walter, W. Hartmann, and Tegtmeyer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Webel, Franz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Weigel, Theodor, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Weller, M., and Farbenindustrie, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, G., and Haubach, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, R. and Pfaundler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wilke, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, Kurt, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F., and Haeuber, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F. Meyerhoffer, and Feiler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wolff, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wulff, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wurzschmitt, Bernhard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Zimmermann, Max, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Zorn, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See van Zütphen, Ludwig, assignor.)
I-O Separator Company. (See Homan, Walter A., assignor.)
I-T-E Circuit Breaker Company. (See Gray, Presley, assignor.)
I-T-E Circuit Breaker Company. (See Krips, James A. C., assignor.)
I-T-E Circuit Breaker Company. (See Scott, William M., jr., assignor.)
Iacobitti, Giuseppe, Crockett, Calif. Spray nozzle. 1,803,014; Apr. 28.
Iacobitti, Giuseppe, Crockett, assignor to California and Hawaiian Sugar Refining Corporation, Limited, San Francisco, Calif. Dispensing carton. 1,869,751; Aug. 2.
Iacobitti, Joseph, Crockett, Calif. Carton. 1,847,834; Mar. 1.
Iams, Harley, San Diego, Calif., and V. K. Zworykin, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Combination of a phototube and an amplifier. 1,883,926; Oct. 25.
Iams, Harley A. (See Zworykin, V. K., and Iams.)
Iams, Harley A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light-sensitive device. 1,871,994; Aug. 16.
Iasillo, Casper, assignor of one-half to M. Miller, Port Chester, N. Y. Supporting bracket attachment for ladders. 1,880,319; Oct. 4.
Ice, Herschel C., Fairmont, and E. O. Miller, Farmington, W. Va. Football overshoe. 1,850,752; Mar. 22.
Iceberg Manufacturing Company. (See Sundeen, C., and Fuller, assignors.)
Iceless Air Wing Corporation. (See Thompson, Archie F., assignor.)
Ickes, Elwood T., Pittsburgh, Pa. Cleaning scale from bars. 1,885,602; Nov. 1.
Ickes, Harold L., Hubbard Woods, Ill. Dahlia. Pl. 19. July 19.
Ickrath, Alfred M., assignor to Bridgeport Brass Company, Bridgeport, Conn. Football pump. 1,846,519; Feb. 23.
Icre, Jean B., New York, N. Y. Ship and airplane. 1,846,336; Feb. 23.
Icre, Jean B., New York, N. Y. Wing for aircraft. 1,879,618; Sept. 27.
Idank, Joseph A., Long Island City, N. Y., assignor to General Electric Company. Electric cord terminal. 1,875,241; Aug. 30.
Iddings, Roscoe C., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,878,704; Sept. 20.
Iddings, Roscoe C., assignor to Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher charge. 1,878,705; Sept. 20.
Ide, Harry H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone switchboard apparatus. 1,842,610; Jan. 26.
Ideal Electric & Manufacturing Co., The. (See Robinson, Cornelius P., assignor.)
Ideal Lubricator Company. (See Culp, John F., assignor.)
Ideal Novelty & Toy Company. (See Katz, Abraham M., assignor.)
Ideal Novelty & Toy Co. (See Sanders, Maurice, assignor.)
Ideal Permanent Wave Products, Inc. (See Pfortner, Arthur, assignor.)
Ideal Roller & Manufacturing Company. (See Walters, Fred G., assignor.)
Ideal School Supply Company. (See Bickford, Den A., assignor.)
Ideal Tooth, Incorporated, The. (See Myerson, S., and Jones, assignors.)
Identograph Company, The. (See Satterlee, Henry S., assignor.)
Idrac, Jean M. P., Paris, France. Apparatus for recording the direction and speed of fluid currents. 1,865,373; June 28.
Igleheart, George P., Boonton, and A. L. Rosenmund, Rockaway, N. J., assignors to Blanking Machines Co. Box and crate. 1,873,589; Aug. 23.
Igou, Dale C., Springfield, Ohio. Thermostatic switch. 1,845,278; Feb. 16.
Igranic Electric Company Limited. (See Tyers, Paul D., assignor.)
Ihde, August F., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator corner construction. 1,869,338; July 26.
Ihde, August F., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Mounting for radiator shutters. 1,877,324; Sept. 13.
Ihde, August F., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator crank box. 1,877,325; Sept. 13.
Ihrig, Harry K., Berkeley, Calif. Producing an antiknock compound. 1,848,302; Feb. 9.
Ihrig, Harry K., Pittsburgh, Pa. Producing aromatic hydrocarbons. 1,871,694; Aug. 16.
Iio, Tatasujiro, M. Machi, E. Gun, Tokyo Fu, assignor to The Denki Kagaku Kenkyujo, Ginza-3-Chome, Tokyo-tama Gun, Tokyo Fu, Japan. Commutator shorting device for motors. 1,876,235; Sept. 6.
Ikarus Internationale Patentverwertungs-Aktiengesellschaft. (See Hugershoff, Reinhard, assignor.)
Ikebe, Takisaburo. (See Tatsumi, Y., Ikebe, and Okazuki.)
Ikerman, Wayne E., assignor of forty per cent to M. L. Fagg, Butte, Mont. Airplane kite. 1,877,057; May 10.
Ikin, William G., Bororen, Queensland, Australia. Battery. 1,887,811; Nov. 15.
Ikle Freres & Co. (See Ikle, Rudolf, Paul, assignor.)
Ilberg, Waldemar, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Multiplex communication system. 1,886,263; Nov. 1.
Iles, Gordon B., Broadstairs, England. Valve. 1,878,706; Sept. 20.
Ilford Limited. (See Rich, H. C., and Storr, assignors.)
Ilford Limited. (See Shepherd, F. J., and Renwick, assignors.)
Ilford Limited. (See Whitfield, George S., assignor.)
Ilg, Anna, St. Katharinental, near Diessenhofen, Switzerland. Life-saving chest specially for airmen, mariners, and the like. 1,851,100; Mar. 29.
Ilg Electric Ventilating Company. (See Ilg, Robert A., assignor.)
Ilg Electric Ventilating Company. (See Ilg, R. A., and Frank, assignors.)
Ilg, Robert A., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Air washer and humidifier. 1,840,057; Feb. 23.
Ilg, Robert A., Chicago, and J. M. Frank, Winnetka, assignors to Ilg Electric Ventilating Company, Chicago, Ill. Unit for heating and ventilating systems. 1,874,043; Aug. 30.
Ilgovsky, Avram D. (See Dubusc, R., and Ilgovici.)
Ilgovici, Avram D., Paris, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, Seine, France. Phase meter for polyphase currents. 1,850,259; Mar. 22.
Ilich, Amson G. (See Armstrong, A. C., and Ilich.)
Illig, George D., F. W. Roberts, and K. E. Berray, assignors to F. W. Roberts Manufacturing Co., Inc., Lockport, N. Y. Vending or serving machine. 1,849,145; Mar. 15.
Illig, Kurt, Berlin-Wilmersdorf, and N. Schönfeldt, Berlin-Charlottenburg, assignors to Siemens-Elektro-Gesnose G. m. b. H., Siemensstadt, near Berlin, Germany. Separation of rubber. 1,885,831; Nov. 1.
Illingworth Carbonization Company, The. (See Illingworth, Stewart R., assignor.)
Illingworth, George. (See Donovan, J. F., and Illingworth.)
Illingworth, Stewart R., Brynfedwen, assignor to The Illingworth Carbonization Company, Limited, Manchester, England. Apparatus for the manufacture of carbonized fuel. 1,861,345; May 31.
Illinois Railway Equipment Company. (See Harbert, Victor H., assignor.)
Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Illinois Supply Company. (See Divekey, Harvey J., assignor.)
Illinois Tool Works. (See Irwin, Charles J., assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Illinois Tool Works. (See Swanson, Andrew W., assignor.)
Illinois Watch Case Company. (See Larson, K. R., and Irelan, assignors.)

Illner, Rudolf, and C. Fürst, deceased, Vienna, Austria; Clara Fürst, administratrix. Altering the physical properties of finely divided mineral substances. 1,840,363; Jan. 12.

Ilium Incorporated. (See Lamb, H., and Fee, assignors.)

Ilson, Edward L., Patchogue, N. Y. Ornamental store front. 1,841,127; Jan. 12.

Ilyus, Edmund B., Newark, N. J., assignor to Arenco Machine Company, Inc., New York, N. Y. Electrical weighing and measuring device. 1,889,663; Nov. 29.

Imbro, Daniluke S. (See Bolluch, Max, assignor.)

Imhoff, Karl, Essen, Germany. Method of and apparatus for the treatment of sludge, sewage, and the like. 1,887,490; Nov. 15.

Imhoff, Wallace G., Pittsburgh, Pa. Galvanizing furnace. 1,855,834; Apr. 26.

Immerheiser, Carl. (See Günther, F., Teller, Immerheiser, and Zschimmer.)

Immerheiser, Carl, Lehnitz, near Oranienburg, B. Zschimmer, M. Fritsch, and H. Eisenschmidt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of azo dyestuffs and color lakes thereof. 1,847,650; Mar. 1.

Immerheiser, Carl, and B. Zschimmer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Manufacture of pigment colors. 1,858,828; May 17.

Im Oberstag, Arthur G., Detroit, Mich. Airplane propeller. 1,857,473; May 10.

Impactograph Corporation, The. (See Baskerville, John B., assignor.)

Imperator Hestesko A/S. (See Harsem, Peter A., assignor.)

Imperator Hestesko Aktieselskap. (See Harsem, Peter, assignor.)

Imperial Brass Manufacturing Company, The. (See Arndt, William E., assignor.)

Imperial Brass Manufacturing Company, The. (See Kern, Joseph, assignor.)

Imperial Chemical Industries, Limited. (See Allchin, Leonard J., assignor.)

Imperial Chemical Industries Limited. (See Andrews, William, assignor.)

Imperial Chemical Industries Limited. (See Barnsley, Frank R., assignor.)

Imperial Chemical Industries Limited. (See Bennett, N., Dodd, and Sprent, assignors.)

Imperial Chemical Industries Limited. (See Bennett, N., Dodd, Sprent, and Holt, assignors.)

Imperial Chemical Industries Limited. (See Birchall, T., and Coffey, assignors.)

Imperial Chemical Industries Limited. (See Bradley, W., Loveluck, and Thomson, assignors.)

Imperial Chemical Industries Limited. (See Brightman, Rainald, assignor.)

Imperial Chemical Industries Ltd. (See Brownsdon, H. W., and Nimmo, assignors.)

Imperial Chemical Industries Limited. (See Brownsdon, H. W., Nimmo, and Pollitt, assignors.)

Imperial Chemical Industries Limited. (See Bunbury, Hugh M., assignor.)

Imperial Chemical Industries Limited. (See Bunbury, H. M., Davies, and Naunton, assignors.)

Imperial Chemical Industries, Limited. (See Bunbury, H. M., Naunton, and Sexton, assignors.)

Imperial Chemical Industries Limited. (See Bunn, Charles W., assignor.)

Imperial Chemical Industries Limited. (See Cocksedge, Herbert E., assignor.)

Imperial Chemical Industries Limited. (See Coffey, Samuel, assignor.)

Imperial Chemical Industries Limited. (See Coulthard, A., and Rodd, assignors.)

Imperial Chemical Industries Limited. (See Davidson, A., Hallwood, Henesey, and Shepherdson, assignors.)

Imperial Chemical Industries Limited. (See Davidson, A., Taylor, and Wain, assignors.)

Imperial Chemical Industries Limited. (See d'Leny. W. C., and Park, assignors.)

Imperial Chemical Industries, Limited. (See Ewan, Thomas, assignor.)

Imperial Chemical Industries Limited. (See Fairweather, D. A. W., and Thompson, assignors.)

Imperial Chemical Industries Limited. (See Fleck, Alexander, assignor.)

Imperial Chemical Industries Limited. (See Franklin, Reginald G., assignor.)

Imperial Chemical Industries Limited. (See Gibson, W., and Payman, assignors.)

Imperial Chemical Industries Limited. (See Gordon, K., and Hughes, assignors.)

Imperial Chemical Industries Limited. (See Grant, F. B., and Harper, assignors.)

Imperial Chemical Industries Limited. (See Hallwood, A. J., Naunton, and Shepherdson, assignors.)

Imperial Chemical Industries Limited. (See Hallwood, A. J., Shepherdson, and Stewart, assignors.)

Imperial Chemical Industries Limited. (See Harris, Clifford G., assignor.)

Imperial Chemical Industries Limited. (See Harrison, Charles F. R., assignor.)

Imperial Chemical Industries Limited. (See Helmore, William, assignor.)

Imperial Chemical Industries Limited. (See Henderson, B. W., and Percival, assignors.)

Imperial Chemical Industries Limited. (See Holt, F., and Mitchell, assignors.)

Imperial Chemical Industries Limited. (See Horsley, George F., assignor.)

Imperial Chemical Industries Limited. (See Howes, Donald A., assignor.)

Imperial Chemical Industries Limited. (See Hughes, G. E., Waring, and Braham, assignors.)

Imperial Chemical Industries Limited. (See Hughes, Joseph, assignor.)

Imperial Chemical Industries Limited. (See Humphrey, Herbert A., assignor.)

Imperial Chemical Industries Ltd. (See Johnston, J., and Ablard, assignors.)

Imperial Chemical Industries Limited. (See Jones, D. C. R., Thomson, and Thomas, assignors.)

Imperial Chemical Industries Limited. (See Lodge, F., and Tatum, assignors.)

Imperial Chemical Industries, Limited. (See Mendoza, Mordecai, assignor.)

Imperial Chemical Industries Limited. (See Naunton, W. J. S. N., and Payman, assignors.)

Imperial Chemical Industries Limited. (See Paterson, John H., assignor.)

Imperial Chemical Industries Limited. (See Payman, J. B., and Piggott, assignors.)

Imperial Chemical Industries Limited. (See Roffey, Frank, assignor.)

Imperial Chemical Industries Limited. (See Rood, E. H., and Sharp, assignors.)

Imperial Chemical Industries Limited. (See Saunders, Kenneth H., assignor.)

Imperial Chemical Industries Limited. (See Shaw, C., and Thomas, assignors.)

Imperial Chemical Industries Limited. (See Shaw, C., Thomson, and Thomas, assignors.)

Imperial Chemical Industries Limited. (See Smith, W., and Thomson, assignors.)

Imperial Chemical Industries Limited. (See Tate, W. R., and Stephenson, assignors.)

Imperial Chemical Industries Limited. (See Tatum, W. W., Todd, Hooley, and Thomas, assignors.)

Imperial Chemical Industries Ltd. (See Wheeler, T. S., and Fletcher, assignors.)

Imperial Chemical Industries, Limited. (See Winter, Ramsay M., assignor.)

Imperial Chemical Industries Limited. (See Wood, J., and Reynolds, assignors.)

Imperial Chemical Industries Limited. (See Wylam, B., and Wilson, assignors.)

Imperial Irrigation District. (See Clark, A. C., and Gross, assignors.)

Imperial Machine Company. (See Peffer, Alrid B., assignor.)

Imperial Oil & Gas Products Company. (See Rumbarger, Bradley W., assignor.)

Imperial Paper Box Corporation. (See Triolo, Louis, assignor.)

Imperial Paper and Color Corporation. (See Arnold, Max, assignor.)

Impey, Francis L., Northfield, Birmingham, assignor to Morland & Impey, Limited, Birmingham, England. Loose leaf binder. 1,841,894; Jan. 19.

Impey, Francis L., Northfield, assignor to Morland & Impey, Limited, Birmingham, England. Loose-leaf binder. 1,867,456; July 12.

Impey, Francis L., assignor to Morland & Impey Limited, Birmingham, England. Loose leaf binder. 1,856,337; May 3.

Impey, Robert R., San Francisco, and R. Whipple, Mill Valley, Calif. Dental matrix retainer. 1,857,910; May 10.

Improved Fire Detector Corporation. (See Brady, George H., assignor.)

Improved Products Company. (See Harbaugh, Dell F., assignor.)

Imshenetsky, Vladimir M., San Francisco, Calif. Pump. 1,846,557; Feb. 23.

Inaki, Toyojiro, assignor of one-half to H. Sumida, Fresno, Calif. Nasal irrigator. 1,856,811; May 3.

Inca Manufacturing Corporation. (See Connor, R. A., and Jacobs, assignors.)

Incorporated Paper Industries. (See Oliver, R., and Penn, assignors.)

Indeck, Albert, Chicago, Ill. Window screen operator. 1,841,126; Jan. 12.

Independent Lock Co. (See Falk, Morris, assignor.)

Independent Lock Company. (See Gutman, Louis C., assignor.)

Independent Oil Well Cementing Company. (See Trough, John E., assignor.)

Independent Pneumatic Tool Co. (See Anderson, Adolph, assignor.)

Independent Pneumatic Tool Company. (See Forss, Frithiof F., assignor.)

Independent Pneumatic Tool Company. (See Hamerly, Frank B., assignor.)

Independent Pneumatic Tool Company. (See Hultquist, Charles A., assignor.)

Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)

Independent Pneumatic Tool Co. (See Norling, Reinhold A., assignor.)
Independent Smelting and Refining Co. (See Rosener, Leland S., assignor.)
Independent Stove Company. (See Arndt, Alvin G., assignor.)
Independent Stove Company. (See Greenwald, Colon W., assignor.)
Indergand, Joseph, Baar, assignor to Landis & Gyr, A. G., Zug, Switzerland. Induction meter. 1,843,677; Feb. 2.
Indestructible Co. (See Rice, Harold G., assignor.)
Indestructible Alloy Company. (See Nicodemo, Felix, assignor.)
Indestructo Trunk Company, The. (See Erwin, Benjamin H., assignor.)
Indge, Herbert S. (See Player, S., and Indge.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 1,870,328; Aug. 9.
India Rubber Gutta Percha and Telegraph Works Company Limited, The. (See Avery, William L., assignor.)
India Rubber Gutta Percha and Telegraph Company Limited. (See Phillips, Edward A., assignor.)
India Tire & Rubber Company, The. (See Lorentz, John E., assignor.)
Indian Refining Company. (See Govers, Francis X., assignor.)
Indian Refining Company. (See Grimsley, Harry C., assignor.)
Indian Motocycle Company. (See Stern, Albert, J. and J., assignors.)
Indian Motocycle Company. (See Stern, A., J., J., and E., assignors.)
Indian Territory Illuminating Oil Company. (See Dow, Donald B., assignor.)
Indiana Box Company. (See McIlwraith, J. W., McKenzie, and Palmer, assignors.)
Indiana Condensed Milk Company. (See Mott, Samuel B., assignor.)
Indiana Foundry, Machine & Supply Company. (See Bauch, William H., assignor.)
Indiana Foundry, Machine & Supply Company. (See Calpha, Arthur J., assignor.)
Indiana Lamp Corporation. (See Albright, Edward C., assignor.)
Indiana Lamp Corporation. (See Foster, Harry C., assignor.)
Indiana Lamp Corporation. (See Hyatt, Samuel W., assignor.)
Indiana Lamp Corporation. (See Neuner, Frederick W. C., assignor.)
Indianapolis Corporation. (See Duesenberg, Frederick S., assignor.)
Indianapolis Glove Company. (See McKinley, Melvin, assignor.)
Individual Drinking Cup Company, Inc. (See Brewer, Elliott, assignor.)
Individual Drinking Cup Company, Inc. (See Carew, Herman, assignor.)
Individual Drinking Cup Company, Inc. (See Stone, Henry A., assignor.)
Individual Drinking Cup Company, Inc. (See Wessman, Edwin G., assignor.)
Industrial Associates, Inc. (See Riley, Champlain L., assignor.)
Industrial Brownhoist Corporation. (See Wilms, Henry F., assignor.)
Industrial Brush Company. (See Cleaves, George C., assignor.)
Industrial By-Products & Research Corporation. (See Weinberg, Solomon, assignor.)
Industrial Developers, Inc. (See Eynon, H. G., and Kinderman, assignors.)
Industrial Development Corporation. (See Wilkins, Richard A., assignor.)
Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)
Industrial Equipment Company, The. (See Frey, Eugene A., assignor.)
Industrial Gloves Corporation. (See Jensen, Karl E., assignor.)
Industrial Gloves Corporation. (See Millard, Irwin W., assignor.)
Industrial Methods Company. (See Fawell, Joseph E., assignor.)
Industrial Patents Corporation. (See Bellinghausen, W., Sigurd, assignor.)
Industrial Patents Corporation. (See Burns, Joseph, assignor.)
Industrial Patents Corporation. (See DeVout, A. W., and Regensburger, assignors.)
Industrial Patents Corporation. (See Johns, Roy W., assignor.)
Industrial Patents Corporation. (See Kellerman, Johan A., assignor.)
Industrial Patents Corporation. (See Lohner, C. L., and Covey, assignors.)
Industrial Patents Corporation. (See Long, Perry J., assignor.)
Industrial Patents Corporation. (See McGilton, George, assignor.)
Industrial Patents Corporation. (See McKee, Harry H., assignor.)
Industrial Patents Corporation. (See McKee, H. H., and Dziedzic, assignors.)
Industrial Patents Corporation. (See McKee, H. H., and Walter, assignors.)
Industrial Patents Corporation. (See Middleton, Thomas F., assignor.)
Industrial Patents Corporation. (See O'Brien, Thomas, assignor.)
Industrial Patents Corporation. (See Ostrom, David S., assignor.)
Industrial Patents Corporation. (See Parsons, Clinton H., assignor.)
Industrial Patents Corporation. (See Pulley, R. D., and Seaver, assignors.)
Industrial Patents Corporation. (See Regensburger, Richard W., assignor.)
Industrial Patents Corporation. (See Regensburger, R. W., and Walter, assignors.)
Industrial Patents Corporation. (See Smith, Cecil C., assignor.)
Industrial Patents Corporation. (See Vanderkloot, Marinus, assignor.)
Industrial Research Company. (See Joffé, Abraham, assignor.)
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Industrial Sales Company. (See MacCreedy, William B., assignor.)
Industrial Waste Eliminators, Limited. (See Jackson, James, assignor.)
Industrial Wire Cloth Company. (See Zech, Alfred, assignor.)
Industries of America, Inc. (See Robinson, Harry G., assignor.)
Infallible Car Selecting Company Limited. (See Taylor, Edgar W., assignor.)
Infant Socks, Inc. (See Bausher, Jeremiah L., assignor.)
Infant Socks, Inc. (See Longtin, William J., assignor.)
Ingalls Iron Works Company, The. (See Jones, Russell E., assignor.)
Ingalls, Rollins R., Norbeck, S. Dak. Valve structure for internal combustion engines. 1,855,634; Apr. 26.
Ingalls Steel Products Company. (See Lucy, Thomas A., assignor.)
Ingalls, Willis A., Syracuse, N. Y. Knitting machine. 1,849,716; Mar. 15.
Ingalsbe, William A., Fithian, Ill. Hog ringer. 1,879,270; Sept. 27.
Inge, Melvin C., Anaheim, Calif. Blow-out preventer. 1,839,393; Jan. 5.
Inge, Melvin C., Anaheim, Calif. Blow-out preventer or control head. 1,839,394; Jan. 5.
Ingersoll, Homer H., assignor to Animated Displays, Incorporated, Chicago, Ill. Display apparatus. 1,858,208; May 10.
Ingersoll, Homer H., assignor to Williamson Manufacturing Company, Chicago, Ill. Motor. 1,863,795; June 21.
Ingersoll Milling Machine Company, The. (See Jacobs, Arthur E., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
Ingersoll Milling Machine Company. (See Monosmith, Leroy B., assignor.)
Ingersoll Milling Machine Company, The. (See Oberhoffken, Alexander, assignor.)
Ingersoll Milling Machine Company. (See Sproul, William C., assignor.)
Ingersoll-Rand Company. (See Baker, Charles S., assignor.)
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Bancel, P. A., and Kirgan, assignors.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Bebbington, William E., assignor.)
Ingersoll-Rand Company. (See Benson, Irving N., assignor.)
Ingersoll-Rand Company. (See Blank, Charles E., assignor.)
Ingersoll-Rand Company. (See Burdette, Charles E., assignor.)
Ingersoll-Rand Company. (See Ditson, J., and Hart, assignors.)
Ingersoll-Rand Company. (See Frelin, Fritjof, assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Hart, Dudley W., assignor.)
Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
Ingersoll-Rand Company. (See Koplin, Peter F., assignor.)
Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
Ingersoll-Rand Company. (See Lemp, Hermann, assignor.)
Ingersoll-Rand Company. (See Lonacre, Frederick Van D., assignor.)
Ingersoll-Rand Company. (See McAllister, Raymond C., assignor.)
Ingersoll-Rand Company. (See Metzger, Chester W., assignor.)
Ingersoll-Rand Company. (See Parkhill, Mortimer S., assignor.)
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)

Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
Ingersoll-Rand Company. (See Sellars, Oliver H., assignor.)
Ingersoll-Rand Company. (See Shook, James F., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingersoll-Rand Company. (See Smickle, Raymond H., assignor.)
Ingersoll-Rand Company. (See Smith, William A., jr., assignor.)
Ingersoll-Rand Company. (See Smith, William A., sr., assignor.)
Ingersoll-Rand Company. (See Smith, W. A., sr., and Fuebrer, assignors.)
Ingersoll-Rand Company. (See Smith, William A., sr., and W. A., jr.)
Ingersoll-Rand Company. (See Smith, William S., sr., assignor.)
Ingersoll-Rand Company. (See Spoor, William M., assignor.)
Ingersoll-Rand Company. (See Terry, Edward F., assignor.)
Ingersoll-Rand Company. (See Thomas, Floyd H., assignor.)
Ingersoll-Rand Company. (See Trumpler, William E., assignor.)
Ingersoll-Rand Company. (See Van Eps, William P., assignor.)
Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
Ingersoll-Rand Company. (See Williams, Peter A., assignor.)
Ingersoll, Robert N., Longmeadow, assignor to Milton Bradley Company, Springfield, Mass., Crayon label. Des. 86,961; May 17.
Ingersoll Steel & Disc Co. (See Ingersoll, Stephen L., assignor.)
Ingersoll, Stephen L., assignor to Ingersoll Steel & Disc Co., Chicago, Ill. Making laminated metal. 1,868,749; July 26.
Ingersoll, Ward H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 1,877,227; Sept. 13.
Ingerson, Harry T., Patten, Me. Lawn mower. 1,879,271; Sept. 27.
Ingham, Mark, Lowell, Mass. Double ring cap frame. 1,864,020; June 21.
Ingham, Walter E., assignor to The Stanley Works, New Britain, Conn. Door holder. 1,845,417; Feb. 16.
Ingle, Henry W., assignor to Hartford-Empire Company, Hartford, Conn. Glass blowing machine and method. 1,845,158; Feb. 2.
Ingle, Henry W., assignor to Hartford-Empire Company, Hartford, Conn. Glass blowing machine and method. 1,845,160; Feb. 2.
Ingle, Henry W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Ware transferring device. 1,843,285; Feb. 2.
Ingle, Henry W., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for stacking glassware. 1,849,038; Mar. 8.
Ingle, Henry W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glassware forming apparatus and method. 1,878,521; Sept. 20.
Inglis, Alfred H., Upper Montclair, W. D. Goodale, jr., East Orange, and Eginhard Dietze, Westfield, N. J., assignors to American Telephone and Telegraph Company. Sound measuring system. 1,871,886; Aug. 16.
Ingman, Thomas M. (See Garbutt, F. E., and Ingman.)
Ingman, Thomas M. (See Twining, S., and Ingman.)
Ingman, Thomas M., and F. E. Garbutt, Los Angeles, and James T. Barkelew, Pasadena, Calif., assignors to Paramount Publix Corporation, New York, N. Y. Film developing apparatus. 1,851,012; Oct. 11.
Ingold, Daniel C. (See McHenry, E. O., and McHenry, assignors.)
Ingold, Melvin J. (See McHenry, E. O., and McHenry, assignors.)
Ingraham, Charles C., Minneapolis, Minn. Grain cleaning and separating machine. 1,870,029; Aug. 9.
Ingraham, Dudley S., assignor to The E. Ingraham Company, Bristol, Conn. Case for clocks. 1,845,877; Feb. 16.
Ingraham, Dudley S., assignor to The E. Ingraham Co., Bristol, Conn. Wrist-watch case. 1,856,389; May 3.
Ingraham, Dudley S., assignor to The E. Ingraham Company, Bristol, Conn. Watch case. 1,851,613; Oct. 11.
Ingraham, E., Company, The. (See Carlson, Elof L., assignor.)
Ingraham, E., Co., The. (See Carlson, E. L., and Simpson, assignors.)
Ingraham, E., Company, The. (See Ingraham, Dudley S., assignor.)
Ingraham, E., Company, The. (See VanVeen, Anton, assignor.)
Ingraham, Harold O. C., Greenwich, Conn., assignor to General Chemical Company, New York, N. Y. Ore roasting furnace. 1,862,751; June 14.
Ingram, Leo R., Cedar Grove, W. Va. Collapsible tube closure. 1,891,596; Dec. 20.
Ingram, Alonzo P., Pittsburgh, Pa. Dispensing, severing, and moistening apparatus. 1,843,161; Feb. 2.
Ingram, Floyd M., Sioux Rapids, Iowa. Calf muzzle. 1,887,619; Oct. 11.
Ingram, Franklin W. (See Ingram, Walter L., assignor.)
Ingram, Harry, Wheeling, W. Va. Closure cap for tumblers, jars, and other receptacles. 1,869,938; Aug. 2.
Ingram, James W., Jacksonville, Fla. Rotatable sprinkler. 1,840,721; Jan. 12.
Ingram, Joseph R., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Age resisting vulcanized rubber product and manufacturing same. 1,889,331; Nov. 29.
Ingram, Joseph R., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Antioxidan for vulcanized rubber products. 1,890,154; Dec. 6.
Ingram, Ora W., Cleveland, Ohio. Air gauge. 1,862,403; June 7.
Ingram Richardson Corporation. (See Jalkut, Lee D., assignor.)
Ingram, Stuart H. (See Ball, I. J., and Ingram.)
Ingram, Walter L., assignor of one-half to F. W. Ingram, Chicago, Ill. Tire valve. 1,857,382; May 10.
Ingwarson, Hjalmar F., Gerber, Calif. Telltale for automobile headlights. 1,869,699; June 7.
Ingwer, Carl H., Elyria, Ohio. Shoe heel or similar article. Des. 87,924; Oct. 11.
Ingwersen, Carl M., Hammond, Ind., and J. Helget, Port Clinton, Ohio, assignors to United States Gypsum Company, Chicago, Ill. Control device for conveyers. 1,849,328; Mar. 8.
Inkley, Edwin A., assignor to Foundry Materials, Inc., Lyndhurst, Ohio. Sand preparation. 1,879,272; Sept. 27.
Inkpak Manufacturing Co. Inc. (See Furedy, Frank, assignor.)
Inland Empire Paper Company. (See Brown, George W., assignor.)
Inland Glass Works, Inc. (See Emerson, John, assignor.)
Inland Glass Works, Inc. (See Quigley, John E., assignor.)
Inland Manufacturing Company, The. (See Chilton, Ralph H., assignor.)
Inland Mfg. Co., The. (See Dill, Edward J., assignor.)
Inland Manufacturing Company, The. (See Flower, A. H., and Housekeeper, assignors.)
Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
Inland Manufacturing Company, The. (See Geyer, H. D., and Christman, assignors.)
Inland Manufacturing Company, The. (See Nellis, Carl P., assignor.)
Inland Manufacturing Company, The. (See Scott, Alva W., assignor.)
Inland Manufacturing Company, The. (See Short, Charles R., assignor.)
Inland Steel Company. (See Murton, Crawford B., assignor.)
Inland Steel Company. (See Nibbe, George W., assignor.)
Inland Steel Company. (See Vitelli, Frank, assignor.)
Inman, Dee F., Stroud, Okla. Rod coupler. 1,851,843; Mar. 29.
Inman, Donovan E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Synchronous motor control. 1,870,456; Aug. 9.
Inman, Harry A., assignor to Bloomer Bros. Company, Newark, N. Y. Container for fragile articles. 1,866,354; July 5.
Inman, William H., Keokuk, and H. A. Fritzsche, Burlington, Iowa. Protective booth for banks. 1,864,437; June 21.
Inman, William W., Lorain, Ohio. Garbage can holder. 1,843,513; Feb. 2.
Innes, Edith K., Zion, Ill. Pineapple shredder. 1,882,665; Oct. 18.
Innes, George, Davenport, assignor to Innes Manufacturing Company, Bettendorf, Iowa. Handling detached vegetable matter. 1,847,399; Mar. 1.
Innes, George, Davenport, assignor to Innes Manufacturing Company, Bettendorf, Iowa. Grain Saver. 1,889,443; Nov. 29.
Innes, George A., Philadelphia, Pa. Surgical drain. 1,863,057; June 14.
Innes, George I., Wollstonecraft, near Sydney, New South Wales, assignor to R. H. Reeve, Indooroopilly, near Brisbane, Queensland, Australia. Upper cylinder lubrication of internal combustion engines. 1,844,764; Feb. 9.
Innes Manufacturing Company. (See Innes, George, assignor.)
Innes, William H. (See Allan, A., and Innes.)
Inokuty, Haruhisa, Tokyo, Japan. Apparatus for measuring capacity of a refrigerating machine. 1,873,127; Aug. 23.
Inscho, Sidney D., Shelby, Ohio. Method of and apparatus for cold drawing tubes. 1,855,051; Apr. 19.
Inshaw, George L., Glasgow, Scotland. Pipe joint and the like. 1,876,455; Sept. 6.
Insley Manufacturing Company. (See Rasmussen, A. C., Dorward, and Gerow, assignors.)
Insley Manufacturing Company. (See Schmid, Carl G., assignor.)
Insley Manufacturing Company. (See Schmid, C. G., and Rasmussen, assignors.)
Insolo Holding Company. (See Skolnik, Max, assignor.)
Instant Ice Corporation. (See Kenyon, Oades J., assignor.)

Institute of American Meat Packers. (See Tefft, Henry D., assignor.)
Insulated Steel Floor & Wall Company, The. (See Clark, Mills, G., assignor.)
Insulex Corporation. (See Armstrong, Louis E., assignor.)
Insulex Corporation. (See Nelson, William K., assignor.)
Insuline Corp. of America. (See Heller, Alexander G., assignor.)
Insuline Company, The. (See Ellis, George H., assignor.)
Insulite Company, The. (See Zesbaugh, Lawrence G., assignors.)
Interior Dust and Smoke Screen Company. (See Umensetter, Harry E., assignor.)
Interlocking Fence Co. (See Getz, John B., assignor.)
International Corporation. (See Jenness, Leslie G. assignor.)
International Acrdrome and Seadrome Corporation. (See Beardsley, Ralph and Fulton, assignors.)
International Agricultural Corporation. (See Ammen, Irvin G., assignor.)
International Agricultural Corporation. (See Bates, Harry R., assignor.)
International Air Brake Company. (See Doty, Wade, assignor.)
International Banding Machine Co. (See Malocsay, Francis N., assignor.)
International Bituminoil Corporation. (See Vandegrift, James N., assignor.)
International Bituminoil Corporation. (See Vickers, John H., assignor.)
International Braid Company. (See Westcott, Nathan, assignor.)
International Business Machines Corporation. (See Craig, Ernest, assignor.)
International Business Machines Corporation. (See Fuller, Frederick L., assignor.)
International Business Machines Corporation. (See Wood, William A., jr., assignor.)
International Cellucotton Products Company. (See Glomstead, Edwin E., assignor.)
International Cellucotton Products Company. (See Heitmeyer, Winifred C., assignor.)
International Cellucotton Products Co. (See Thompson, Oscar T., assignor.)
International Chromium Process Corporation. (See Simpson, Kenneth W., assignor.)
International Cigar Machinery Company. (See Alm, Thure W., assignor.)
International Cigar Machinery Company. (See Beutel, Robert J., assignor.)
International Cigar Machinery Company. (See Carlson, Hjalmar E., assignor.)
International Cigar Machinery Company. (See Christensen, Nelson, assignor.)
International Cigar Machinery Company. (See Clausen, Siegel, assignor.)
International Cigar Machinery Company. (See Ferenci, Lester, assignor.)
International Cigar Machinery Company. (See Halstead, John F., assignor.)
International Cigar Machinery Company. (See Rundell, R. E., and Hagquist, assignors.)
International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)
International Cigar Machinery Company. (See Peterson, Poulus, assignor.)
International Cigar Machinery Company. (See Schmitt, Frank R., assignor.)
International Cigar Machinery Company. (See Schussler, Walter H., assignor.)
International Code Machine Company. (See Hebern, Edward H., assignor.)
International Combustion Engineering Corporation. (See De Baufre, William L., assignor.)
International Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
International Combustion Engineering Corporation. (See Loesche, Ernst C., assignor.)
International Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
International Combustion Engineering Corporation. (See Mattimore, John D., assignor.)
International Combustion Engineering Corporation. (See Schwartz, Carl, assignor.)
International Combustion Engineering Corporation. (See Frisch, M., and Lundgren, assignors.)
International Combustion Engineering Corporation. (See Jackson, George P., assignor.)
International Combustion Engineering Corporation. (See Marshall, Leonard J., assignor.)
International Combustion Engineering Corporation. (See Patterson, W. S., and Pierce, assignors.)
International Combustion Engineering Corporation. (See Rosencrants, Fay H., assignor.)
International Combustion Engineering Corporatio. (See Siegrist, Walter, assignor.)
International Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
International Combustion Engineering Corporation. (See Wisspelntner, C., and Chodziesner, assignors.)
International Communications Laboratories. (See Griffith, Ronald G., assignor.)
International Communications Laboratories, Inc. (See Connery, Alder F. assignor.)
International Communications Laboratories, Incorporated. (See Griffith, Ronald G., assignor.)
International Communications Laboratories, Inc. (See Hallden, Frederick G., assignor.)
International Communications Laboratories, Inc. (See Henderson, Forest L., assignor.)
International Communications Laboratories, Inc. (See Herbig, Henry F., assignor.)
International Communications Laboratories, Incorporated. (See Hitt, Parker, assignor.)
International Communications Laboratories, Incorporated. (See Hunkins, Harold R., assignor.)
International Communications Laboratories Incorporated. (See Kerr, Mark B., assignor.)
International Communications Laboratories, Inc. (See Miller, H. P., and Ports, assignors.)
International Communications Laboratories, Inc. (See Motto Anthony J., assignor.)
International Communications Laboratories, Inc. (See Rosenberger, Harold J., assignor.)
International Communications Laboratories, Inc. (See Vernam, Gilbert S., assignor.)
International Communications Laboratories, Inc. (See Vernam, G. S., and Hallden, assignors.)
International Communications Laboratories, Incorporated. (See Wood, Wilfred R., assignor.)
International Communications Laboratories, Inc. (See Wo dward, Marion H., assignor.)
International Corset Company. (See Weber, William G., assignor.)
International Derrick & Equipment Company, The. (See Bloss, R. R., and Pfeil, assignors.)
International Dry Refrigeration Corporation. (See Gordon, Samuel, assignor.)
International Fire Equipment Corporation. (See Hawley, Luther W., assignor.)
International Fire Equipment Corporation. (See Stokes, Harlow T., assignor.)
International Fire Equipment Corporation. (See Wagner, Edward P., assignor.)
International Folding Paper Box Co. (See Philippi, Carl A., assignor.)
International Glove Process Company. (See Johanson, Carl H., assignor.)
International Harvester Company. (See Anglemyer, H. B., and Chaney, assignors.)
International Harvester Company. (See Baker, D. B., and Panzegrau, assignors.)
International Harvester Company. (See Barker, Joseph R., assignor.)
International Harvester Company. (See Beall, William L., assignor.)
International Harvester Company. (See Benjamin, Bert R., assignor.)
International Harvester Company. (See Benjamin, B. R., and Peterson, assignors.)
International Harvester Company. (See Bundy, J. A., Selzer, and Moritz, assignors.)
International Harvester Company. (See Cady, S. W., and Kriegbaum, assignors.)
International Harvester Company. (See Crumb, C. F., and Hammer, assignors.)
International Harvester Company. (See Crumb, C. F., and Kowalsky, assignors.)
International Harvester Company. (See Graham, Michael J., assignor.)
International Harvester Company. (See Graham, William S., assignor.)
International Harvester Company. (See Hammer, Gustaf, assignor.)
International Harvester Company. (See Hipple, James L., assignor.)
International Harvester Company. (See Hodsdon, Floyd G., assignor.)
International Harvester Company. (See Holmes, John S., assignor.)
International Harvester Company. (See Hyman, Benjamin M., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See Johnson, A. E. W., and Dwyer, assignors.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Johnston, E. A., and Mitchell, assignors.)
International Harvester Company. (See Johnston, E. A., and Raney, assignors.)
International Harvester Company. (See Kane, Paul, assignor.)
International Harvester Company. (See Kriegbaum, G. M., and Moritz, assignors.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Lindgren, A. C., and Borthy, assignors.)
International Harvester Company. (See Lyford, Robert E., assignor.)
International Harvester Company. (See Merwin, George M., assignor.)
International Harvester Company. (See Mitchell, Melville J., assignor.)

International Harvester Company. (See Morkovski, James, assignor.)
International Harvester Company. (See Morrill, Lewis H., assignor.)
International Harvester Company. (See Peacock, Ernest, assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Harvester Company. (See Raney, Clemma R., assignor.)
International Harvester Company. (See Raney, C. R., and Millard, assignors.)
International Harvester Company. (See Raney, C. R., and Welty, assignors.)
International Harvester Company. (See Raney, C. R., and Welty, assignors.)
International Harvester Company. (See Richmond, Albert G., assignor.)
International Harvester Company. (See Robinson, Charles W., assignor.)
International Harvester Company. (See Sandstrom, Felix C., assignor.)
International Harvester Company. (See Scarlett, Arthur A., assignor.)
International Harvester Company. (See Slonneger, John C., assignor.)
International Harvester Company. (See Smith, Daniel W., assignor.)
International Harvester Company. (See Smith, L. E., and Cuddeback, assignors.)
International Harvester Company. (See Sonander, Josef, assignor.)
International Harvester Company. (See Sperry, Leonard B., assignor.)
International Harvester Company. (See Trotter, David K., assignor.)
International Harvester Company. (See Walker, Earl C., assignor.)
International Harvester Company. (See Welty, Albert B., assignor.)
International Harvester Company. (See Wessman, Arnt, W., assignor.)
International Harvester Company. (See Westberg, Carl R., assignor.)
International Harvester Company of Canada, Limited. (See Johansen, Donald.)
International Industrial and Chemical Company Limited. (See Bonnet, Serge, assignor.)
International Liquid Coffee Company, The. (See Giffen, W. W., and Carter, assignors.)
International Machine Tool Company. (See Heidergott, Harry W., assignor.)
International Mailing Tube and Wrapper Co. (See Greve, Herman L., assignor.)
International Manufacturing Company, The. (See Patterson, Clarence L., assignor.)
International Motor Company. (See Anderson, Robert G., assignor.)
International Motor Company. (See Bohlen, Charles, jr., assignor.)
International Motor Company. (See Cowell, Robert F., assignor.)
International Motor Company. (See Davis, Floyd E., assignor.)
International Motor Company. (See Erskine, Clyde, assignor.)
International Motor Company. (See Froesch, C., and Jupp, assignors.)
International Motor Company. (See Gurney, Erving R., assignor.)
International Motor Company. (See Heiney, John W., assignor.)
International Motor Company. (See Josephs, Lyman C., jr., assignor.)
International Motor Company. (See Josephs, L. C., and Gurney, assignors.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Loeffler, Bruno, assignor.)
International Motor Company. (See Manville, Keith R., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Motor Company. (See Masury, A. F., and Froesch, assignors.)
International Motor Company. (See Matthews, Joseph L., assignor.)
International Motor Company. (See Matthews, J. L., and Liljeroth, assignors.)
International Motor Company. (See Matthews, Philip E., assignor.)
International Motor Company. (See Miller, Ferdinand, assignor.)
International Motor Company. (See Robbins, Azor D., assignor.)
International Musical Corporation. (See Finney, H. G., and Large, assignors.)
International N S E Corporation, The. (See Hennessy, Nicholas, assignor.)
International Nickel Company, Inc. (See Coyle, Francis B., assignor.)
International Nickel Company, The. (See Erickson, Edward S., assignor.)
International Nickel Company, The. (See Merica, P. D., and Vanick, assignors.)
International Nickel Company. (See Peek, R. L., and Knittel, assignors.)
International Nickel Company, The. (See Pilling, Norman B., assignor.)
International Nickel Company, The. (See Searle, Harold E., assignor.)
International Nickel Company, The. (See Stanley, Robert C., assignor.)
International Paint and Compositions Company et al. (See Jessop, William, assignor.)
International Paper Box Machine Company. (See Goss, Harold J., assignor.)
International Paper Box Machine Company, The. (See Labombarde, Harold S., assignor.)
International Paper Company. (See Baker, W. N., and Sweten, assignors.)
International Paper Company. (See Cline, M., and Masten, assignors.)
International Paper Company. (See Hallman, Harold E., assignor.)
International Patents Development Company. (See Bergquist, Carl, assignor.)
International Patents Development Company. (See Berlin, Henry, assignor.)
International Patents Development Company. (See Dival, Edgar F., assignor.)
International Patents Development Company. (See Ebert, A. Newkirk, and Noskowitz, assignors.)
International Patents Development Company. (See Newkirk, William B., assignor.)
International Patents, Ltd. (See Otton, Edward, assignor.)
International Patents Development Company. (See Sovereign, Clarence L., assignor.)
International Postal Supply Company. (See Pacher, J. V., and Zahn, assignors.)
International Precipitation Company. (See Anderson, Evald, assignor.)
International Precipitation Company. (See Clyne, Cecil B., assignor.)
International Precipitation Company. (See Gies, Jakobus R., assignor.)
International Precipitation Company. (See Horne, G. H., and Lissman, assignors.)
International Precipitation Company. (See Jakosky, J. J., and Knight.)
International Precipitation Company. (See Lissman, Marcel A., assignor.)
International Precipitation Company. (See Oppen, Erich, assignor.)
International Precipitation Company. (See Rüder, Heinrich B., assignor.)
International Precipitation Company. (See Seipp, Franz, assignor.)
International Precipitation Company. (See Viets, Floyd H., assignor.)
International Precipitation Company. (See von Eberhard, Kurt, assignor.)
International Precipitation Company. (See Weiskopf, Charles H., assignor.)
International Printing Company. (See Hess, Joseph J., assignor.)
International Products Corporation. (See Smith, Jesse C., assignor.)
International Projector Corporation. (See Dina, Augusto, assignor.)
International Projector Corporation. (See Frappier, L. S., and Boecking, assignors.)
International Projector Corporation. (See Kindelmann, Albert, assignor.)
International Projector Corporation. (See Kindelmann, A., and Boecking, assignors.)
International Projector Corporation. (See Porter, Everett M., assignor.)
International Screw Company. (See Arenz, John A., assignor.)
International Seal & Knot Protector Co., The. (See Dessauer, Norman, assignor.)
International Seal and Knot Protector Co., The. (See Keidel, Frank, assignor.)
International Shoe Company. (See Krive, James D., assignor.)
International Shoe Company. (See McCarthy, Robert F., assignor.)
International Silica Corporation. (See McAdoo, Thomas O., assignor.)
International Silver Company. (See Beck, Ernest T., assignor.)
International Silver Company. (See Brown, Leslie A., assignor.)
International Silver Company. (See Dowd, John L., assignor.)
International Silver Company. (See Feinauer, George A., assignor.)
International Silver Company. (See Haywood, Percy W., assignor.)
International Silver Company. (See Leech, John, assignor.)
International Silver Company. (See Morrison, George, assignor.)
International Silver Company. (See Prout, Benjamin H., assignor.)

International-Stacey Corporation. (See McEwen, John D., assignor.)
International Standard Electric Corporation. (See Baker, John H. E., assignor.)
International Standard Electric Corporation. (See Baker, J. H. E., and Haigh, assignors.)
International Standard Electric Corporation. (See Deakin, G., and Polinkowsky, assignors.)
International Standard Electric Corporation. (See Hatton, William, assignor.)
International Standard Electric Corporation. (See Hatton, W., and Dahl, assignors.)
International Standard Electric Corporation. (See Lawton, G., and Dearden, assignors.)
International Standard Electric Corporation. (See Sandeman, Edward K., assignor.)
International Standard Electric Corporation. (See Sandeman, E. K., and Currah, assignors.)
International Standard Electric Corporation. (See Sandeman, E. K., Thomas, and Grove, assignors.)
International Standard Electric Corporation. (See Smith, C. P., and Newton, assignors.)
International Standard Electric Corporation. (See Stevens, C. E., and Schooneman, assignors.)
International Standard Electric Corporation. (See Wright, Edmond P. G., assignor.)
International Standard Electric Corporation. (See Wright, E. P. G., and Haigh, assignors.)
International Standard Electric Corporation. (See Zwietusch, Edward O., assignor.)
International Steel Tie Company, The. (See Dawy, W. P., and Case, assignors.)
International Time Recording Company. (See Bryce, James W., assignor.)
International Time Recording Company of New York. (See Bryce, James W., assignor.)
International Time Recording Company of New York. (See Larrabee, Clinton E., assignor.)
International Time Recording Company of New York. (See Mutschler, Hugo, assignor.)
International Time Recording Company of New York. (See Timmis, Felix, assignor.)
International Spotlight Corporation. (See Sklarek, Clifford, assignor.)
International Textbook Company. (See Brennan, Mark F., assignor.)
International Vacuum Power, Limited. (See Scott-Snell, C. and E., assignors.)
International Visible Systems Corporation, The. (See Freiberg, Stanley B., assignor.)
Interstate Co-Partnership Association. (See Candlish, W. J., and Morgan, assignors.)
Interstate Equipment Corporation. (See Morgan, Earle G., assignor.)
Interstate Equipment Corporation, The. (See Robina, Michael, assignor.)
Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
Intertype Corporation. (See Bittner, John W., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Intertype Corporation. (See Goodbody, Edmund M., assignor.)
Intertype Corporation. (See Sperry, Samuel E., assignor.)
Intertype Corporation. (See Turner, Ransom H., assignor.)
Intertype Corporation. (See Willis, Le Roy W., assignor.)
Interwoven Stocking Company. (See Hilton, Seaverns W., assignor.)
Inventions Exploitation Corporation, The. (See Davison, Alexander, assignor.)
Inventors' Cooperative, Inc. (See Dorsett, Ralph J., assignor.)
Inventors' Patent Holding Company. (See Mahr, Julius A., assignor.)
Investors Industries, Inc. (See Putney, Charles L., assignor.)
Invincible Metal Furniture Company. (See Schuette, John, assignor.)
Ioannu, John P., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Process and composition for improving cereal products. 1,858,093; May 10.
Iodine Educational Bureau, Inc. (See Karns, George M., assignor.)
Ionizing Corporation of America. (See Henry, Ira W., assignor.)
Iorio, Anthony, Corona, N. Y. Incense burner. Des. 86,917; May 10.
Iowa Can Company. (See Hinkley, Horace C., assignor.)
Iowa Fiber Box Company. (See Shoffer, Marc, R., assignor.)
Iowa Fiber Box Company. (See Witte, James G., assignor.)
Iowa Manufacturing Company. (See Frazee, Walter G., assignor.)
Iowa State College of Agricultural and Mechanical Arts. (See Watson, Donald J., assignor.)
Ipatiew, Wladimir N., Berlin-Wilmersdorf, assignor to Bayerische Stickstoffwerke A.-G., Berlin, Germany. Production of phosphoric acid and hydrogen. 1,848,295; Mar. 8.
Ipri, Albert, Philadelphia, Pa. Curtain supporting device. 1,842,269; Jan. 19.
Ipsen, Carl L., and A. N. Otis, Schenectady, N. Y., assignors to General Electric Company. Electrical furnace resistor. 1,842,972; Jan. 26.
Ipsen, Carl L., and A. N. Otis, Schenectady, N. Y., assignors to General Electric Company. Furnace. 1,864,354; June 21.
Ipsen, Carl L., and R. M. Cherry, Schenectady, N. Y., assignors to General Electric Company. Baking oven. 1,878,522; Sept. 20.
Ipsen, Carl L., and A. N. Otis, Schenectady, N. Y., assignors to General Electric Company. Electric heater. 1,883,927; Oct. 25.
Ireland, Ellison S. (See Larson, K. R., and Irelan.)
Ireland, Emmett L., Indianapolis, Ind. Safety razor blade hone. 1,841,409; Jan. 19.
Ireland, George E., assignor to The City Machine & Tool Company, Toledo, Ohio. Combined radiator shell and mud-guard. 1,882,620; Oct. 11.
Ireland, George E., assignor, by mesne assignments, to The City Auto Stamping Company, Toledo, Ohio. Sheet metal die. 1,858,047; May 10.
Ireland, Lewis J., Fort Worth, Tex. Reclamation of crank case or used oils. 1,851,432; Mar. 29.
Ireland, Lewis J., assignor of two-thirds to H. F. Crowley and H. G. Crowley, Fort Worth, Tex. Apparatus for reclaiming used and diluted lubricating oils. 1,852,350; Apr. 5.
Ireland, Murray, assignor to Waters-Genter Company, Minneapolis, Minn. Timing mechanism. 1,866,808; assignor.)
Ireland, Robert H., Corona, Long Island, N. Y. Manipulating device for electrical plugs. 1,845,793; Feb. 16.
Ireland, Thomas H., Rockville Center, N. Y. Dual electric circuit control device. 1,858,779; May 17.
Ireland, Thomas H., Rockville Center, N. Y. Heater element. 1,887,205; Nov. 8.
Irgens, Finn T., assignor to Outboard Motors Corporation, Milwaukee, Wis. Folding outboard motor. 1,854,196; Apr. 19.
Irgens, Finn T., assignor to Outboard Motors Corporation, Milwaukee, Wis. Exhaust tube for internal combustion engines. 1,869,749; Aug. 2.
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Charge controlling device for internal combustion engines. 1,887,204; Nov. 8.
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Handle mounting. 1,859,038; May 17.
Irish, David J. (See Braine, D. L., and Irish.)
Irish, David J., Richmond, Staten Island, assignor to Foster Wheeler Corporation, New York, N. Y. Burner. 1,883,789; Oct. 18.
Irma, N. V., Industrie en Ruwmaterialen Maatschappij. (See Klinger, Karl, assignor.)
Irminger, Carolina A., Hoboken, N. J. Theater chair light. 1,879,273; Sept. 27.
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Iron Firearm Manufacturing Company. (See Parker, Cyrus J., assignor.)
Iron Mountain Co. (See Bihl, W. E., and Ramclau, assignors.)
Irons, Victor E. (See Arnold, Albert W., assignor.)
Ironside, James. (See Blaskewitz, W., and Ironside.)
Irschik, Joseph, Toronto, Ontario, Canada. Tie press. 1,878,400; Sept. 20.
Irus, Angel R., Torreon, Mexico. Pneumatic tire. 1,858,094; May 10.
Irvin, Leslie L., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute apparatus. 1,842,611; Jan. 26.
Irvin, Richard, Knoxville, Pa. Skid preventing device. 1,856,915; May 3.
Irving, Fergus A. (See Lathrop, Elbert C., assignor.)
Irvine, Fergus A. (See Lathrop, E. C., and Irvine.)
Irvine, Fergus A. (See Munroe, T. B., and Irvine.)
Irvine, Frank S., Greenlawn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone dial system. 1,840,364; Jan. 12.
Irvine, Frank S., Greenlawn, and T. H. Roberts, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble recording system. 1,848,174; Mar. 8.
Irving, William E. (See O'Neill, W. J., and Irvine.)
Irving Air Chute Company. (See Irvin, Leslie L., assignor.)
Irving Air Chute Company. (See Lafayette, H. E., Waite, and Ford, assignors.)
Irving Air Chute Company. (See Nichols, Erwin H., assignor.)
Irving, Clarence B., Kansas City, Mo., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Record posting device. 1,881,614; Oct. 11.
Irving Iron Works Company. (See Tippel, Edward F. J., assignor.)
Irving Trust Company et al., executors. (See Hammond, William P.)
Irving, Warren H., Waukegan, Ill. Combined ventilator and sun shade. 1,855,396; Apr. 26.
Irwin Auger Bit Company, The. (See Robinson, Charles B., assignor.)
Irwin Auger Bit Company, The. (See Robinson, Clarence J., assignor.)

Irwin, Charles J., assignor to Illinois Tool Works, Chicago, Ill. Making milling cutters. 1,874,556; Aug. 30.
Irwin, George, et al. (See Hamby, Joseph E., assignor.)
Irwin, Grant, administrator. (See Sheer, Henry M., assignor.)
Irwin, Herbert E., Barons, Alberto, Canada. Airplane. 1,883,740; Oct. 18.
Irwin, Herbert G., Amarillo, Tex. Shield for carbide feeds in acetylene generators. 1,857,456; May 10.
Irwin, John S., Jackson Heights, N. Y. Combination reading desk and bookcase. 1,876,681; Sept. 13.
Irwin, Lee S., Bellevue, Pa. Hanger for eaves-troughs and the like. 1,855,241; Apr. 26.
Irwin, Murry. (See Risbridger, William C. and M. W., assignors.)
Irwin, Nellie A., Waterloo, Quebec, Canada. Pulley. 1,856,993; May 3.
Irwin, Thomas J., Cadott, Wis. Quack grass digger. 1,854,261; Apr. 19.
Irvin, William J. (See Watt, E. D., Irwin, and Virkus.)
Isaac, Archibald C. T., Rugby, England, assignor to General Electric Company. Indicating device for electrical apparatus. 1,879,276; Sept. 27.
Isacks, Louis F., assignor to Transparent Tube Company, Chicago, Ill. Applying printed matter to transparent sheets. 1,846,726; Feb. 23.
Isaacs, Harry Z., Baltimore, Md. Breeches. 1,863,482; June 14.
Isaacs, Marcus M., Sydney, New South Wales, Australia. Side saddle for motorcycles. 1,842,142; Apr. 12.
Isaacson, Fred A., Chicago, Ill. Freight car construction. 1,846,821; Feb. 23.
Isaacson, Fred A., Chicago, Ill. Railway tank car. 1,875,609; Sept. 6.
Isaacson, Fred A., Topeka, Kans. Placard board holder. 1,870,731; Aug. 9.
Isaacson, Louis H. (See Teschel, G. R., Salinger, and Isaacson.)
Isaacson, Max, Dayton, F. E. Loudy, Akron, and F. R. Bussdicker, Dayton, Ohio. Resilient wheel. 1,866,652; July 12.
Isaacson, Vivian. (See Arnold, L. G., and Isaacson.)
Isaacson, William O., Chicago, Ill. Fastener. 1,846,872; Feb. 23.
Isaacson, William O., Chicago, Ill. Anchor. 1,848,422; Mar. 8.
Isaacson, William O., Chicago, Ill. Cooking utensil. 1,851,615; Apr. 5.
Isabella, Gioachino B., Turin, Italy. Rail cleaning and greasing apparatus. 1,885,726; Nov. 1.
Isaksen, Anders S., San Jose, Calif. Jack. 1,852,305; Apr. 5.
Isbell, George W., Baltimore, Md. Fill cap for gasoline tanks. 1,861,395; May 31.
Isbell, George W., Baltimore, Md. Extracting check valve mechanism. 1,861,396; May 31.
Isbell, John A., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Power-operated tail feeding device. 1,843,485; Feb. 2.
Isbell, John A., Plainfield, N. J., assignor to Wood Newspaper Machinery Company, New York, N. Y. Power-plate lockup. 1,856,162; May 3.
Ischebeck, Paul. (See Schieglers, E., and Ischebeck.)
Ischle, William V., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,859,968; May 24.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 86,223; Feb. 16.
Ischinger, Alfred E., assignor to Textile Machine Works, Wyomissing, Pa. Tension take-up device for knitting machines. 1,861,962; June 7.
Ischinger, Eric. (See Gibbs, Oscar D., assignor.)
Ischinger, Eric, et al. (See Titchener, Paul F.)
Isenberg, Hans O. C., New Rochelle, assignor to General Chemical Company, New York, N. Y. Catalytic apparatus. 1,857,308; May 10.
Isenberg, Rudolph A., Los Altos, Calif. Antitipping device. 1,861,709; June 7.
Isenhour, Rufus, New London, N. C. Attachment for brick making machines. 1,847,966; Mar. 1.
Isenhour, Rufus, New London, N. C. Sanding machine. 1,861,346; May 31.
Isenhour, Russell R., Geneva City, N. Y. Changeable sign. 1,843,818; Feb. 2.
Isenhower, Earle E. (See Cadwell, L. E., and Isenhower.)
Iserman, Samuel, Summit, and H. J. Kalscheuer, East Orange, N. J. Tanning. 1,844,769; Feb. 9.
Iserman, Max, New York, N. Y., and E. Obleson, Jersey City, N. J.; said Obleson assignor to said Isermann. Lighting system for motor vehicles. 1,871,695; Aug. 16.
Isham, Herbert M., Olmsteiger, Okla., assignor to Doherty Research Company, New York, N. Y. Purification of alcohols. 1,845,665; Feb. 16.
Ishiba, David, New York, N. Y. Taximeter and signal operating mechanism therefor. 1,854,587; Apr. 19.
Ishbia, David L., New York, N. Y. Variable illuminated sign. 1,854,514; Apr. 19.
Isherwood, Arthur, Boston, assignor to Thomas Leyland & Co., Inc., Readville, Mass. Web handling apparatus. 1,853,975; Apr. 12.
Isherwood, Harold, assignor to The Autokal Syndicate Limited, London, England. Calculating machine. 1,886,685; Nov. 8.
Ishikawa, Sadatoshi, Seattle, Wash. Spraying device. 1,854,613; Apr. 19.
Ishikawa, Seichi, Lahaina, Maui, assignor of one-half to F. K. Makino, Honolulu, Hawaii. Charge forming device for internal combustion engines. 1,887,457; July 12.
Ishikawa, Seichi, Lahaina, assignor of one-half to F. K. Makino, Honolulu, Territory of Hawaii. Typewriter. 1,873,766; Aug. 23.
Ishikawa, Zeno, Yokohama, Japan. Waterless gas holder. 1,852,971; Apr. 5.
Ising, Gustaf, Stocksund, Sweden. Galvanometer. 1,877,243; Sept. 13.
Isler, Hans. (See Hartmann, M., and Isler.)
Isler, Hans. (See Hartmann, M., Kaegi, and Isler.)
Isler, Herman L. (See Einstein, S., and Isler.)
Isler, Samuel, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Curve plotting system. 1,857,559; May 10.
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Regenerative heating furnace. 1,852,606; Apr. 5.
Isley, Gilbert W., Cleveland, Ohio. Door holder. 1,879,274; Sept. 27.
Isnard, Georges V., Toulon, France. Pressure regulating device. 1,887,595; Nov. 15.
Isom, Edward W. (See Taber, G. H., and Isom.)
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,854,937; Apr. 19.
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,856,640; May 3.
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Manufacturing of lubricating oil. 1,859,514; May 24.
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,872,955; Aug. 23.
Ison, Harry, New York, N. Y. Motor vehicle. 1,879,275; Sept. 27.
Isothermos Corporation of America. (See Grandjean, Georges, assignor.)
Isothermos Corporation of America. (See Peyinghaus, Walter, assignor.)
Israel, Maurice M., Salem, Mass. Protector and support for punching balls. 1,851,433; Mar. 29.
Israel, Max, Warren, Mass. Theater chair. 1,841,035; Jan. 12.
Israel, Richard B. (See Lundborg, G. L., and Israel.)
Israelson, John L. (See Duvall, G. M., and Israelson.)
Isreleson, Peder, Hillman, Minn. Potato planter. 1,883,157; Dec. 6.
Isselhardt, Louis L., assignor to Superior Paper Products Co., Marion, Ind. Feeding device. 1,869,750; Aug. 2.
Istad, Joseph J., Minneapolis. Automatic cigarette lighter and ash receiver. 1,888,171; Nov. 15.
Itco Company. (See Ingeldine, Harry H., assignor.)
Ithaca Gun Company. (See Howland, Harry E., assignor.)
Ithaca Gun Company. (See Smith, Nestor F., assignor.)
Ito, Chiyomatsu. (See Sato, M., and Ito.)
Ittner, Edward, Brooklyn, N. Y. Scale scoop. 1,886,958; Nov. 8.
Ivandick, Mathew G., Waukegan, Wis. Steering wheel mounting. 1,870,406; Sept. 27.
Ivers, Henry T., et al. (See Casey, William B., assignor.)
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Roll bender. 1,876,437; Sept. 6.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Method and apparatus for leveling and shearing metal sheets. 1,890,223; Dec. 6.
Iversen, Lorenz, Pittsburgh, and R. E. Noble, Crafton, assignors to Mesta Machine Company, Pittsburgh, Pa. Shears. 1,876,456; Sept. 6.
Iversen, Morton. (See Payne, P. D., and Iversen.)
Iverson, Cato, assignor to National Rubber Machinery Company, Akron, Ohio. Nozzle. 1,866,502; July 5.
Iverson, Emil C., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Road grader. 1,877,879; Sept. 20.
Iverson, Peter, assignor of one-half to S. Grangard, Kindred, N. Dak. Vegetable slicer. 1,850,109; Mar. 22.
Iverson Tool Company. (See Taylor, J. S., and Smith, assignors.)
Ives, Charles A., Erie, Pa., assignor to General Electric Company. Pneumatic control device. 1,849,930; Mar. 15.
Ives, Charles A., Erie, Pa., assignor to General Electric Company. Brake control valve. 1,874,297; Aug. 30.
Ives, Clifford E. (See White, W. P. and Ives.)
Ives, Clifford E., Chicago, Ill. Automatic lock for elevator doors. 1,862,621; Oct. 11.
Ives, Clifford E., Wilmette, assignor to United States Gypsum Company, Chicago, Ill. Scoring and trimming machine. 1,857,307; May 9.
Ives Corporation, The. (See De Biase, Guido, assignor.)
Ives Corporation, The. (See Johnson, C. R., and Thorn, assignors.)
Ives Corporation, The. (See Thorn, William E., assignor.)
Ives, Edward L., assignor to H. A. Brassert & Company, Chicago, Ill. Making malleable iron. 1,858,548; May 17.
Ives, Herbert E., Montclair, N. J. Making relief pictures and manner of viewing same. 1,882,424; Oct. 11.

Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Photo-electric tube. 1,841,033; Jan. 12.

Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrooptical apparatus. 1,841,034; Jan. 12.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,874,191; Aug. 30.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission. 1,878,147; Sept. 20.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical device. 1,881,116; Oct. 11.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Projection of stereoscopic pictures. 1,883,290; Oct. 18.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Projection of stereoscopic pictures. 1,883,291; Oct. 18.

Ives, Herbert E., Montclair, N. J., and F. Gray, New York, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television. 1,873,411; Aug. 23.

Ivory, Chester S., assignor to The Estate of J. W. Ivory, Philadelphia, Pa., deceased. 1,868,961; July 26.

Ivory, J. W., The Estate of. (See Ivory, Chester S., assignor.)

Ivan, Paul, Chicago, Ill. Knitted cap. 1,845,279; Feb. 16.

Iwanowski, Waclaw, and J. Turski, Warsaw, Poland. Impregnating wood and other vegetable substances. 1,881,617; Oct. 11.

Iwerks, Herbert "U", Beverly Hills, Calif., assignor to Celebrity Productions, Inc., New York, N. Y. Statuette or similar article. Des. 86,234; Feb. 16.

Iytaka, Ityro, Sugamo-Machi, Kitatoshima-Gun, assignor to Mitsubishi Zosen Kabushiki Kaisha, Tokyo, Japan. Anticorrosive aluminium light alloy. 1,870,732; Aug. 9.

Izawa, Riichiro, Kyoto, Japan. Device for pointing bristles of brushes. 1,884,875; Nov. 22.

Izsak, Alexander, Central Park, N. Y., and F. A. McDermott, Claymont, assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing a mixture of ethyl alcohol and other products by fermentation. 1,866,568; July 12.

Izzo, Frank, Huntington, W. Va. Brake beam safety iron. 1,879,277; Sept. 27.

Jaarda, Gerrit. (See Nystrom, O. P., and Jaarda.)

Jabelonsky, Carl H., Schofield Barracks, Hawaii. Service ribbon bar. 1,852,241; Apr. 5.

Jaccard, René F., Geneva, Switzerland. Clock movement. 1,850,014; Mar. 15.

Jack, Douglas C., Auckland, New Zealand. Apparatus for evaporating and distilling liquids. 1,864,021; June 21.

Jack, Herbert S. (See Bowers, William W., assignor.)

Jack, William, assignor of nine-tenths to D. & J. Tullis, Limited, Clydebank, Scotland. Resilient padding for laundry machinery. 1,889,050; Nov. 29.

Jack, William, assignor of nine-tenths to D. & J. Tullis, Limited, Clydebank, Scotland. Laundry press. 1,892,510; Dec. 27.

Jackes-Evans Manufacturing Company. (See Jackes, Stanley F., assignor.)

Jackes, Stanley F., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Pipe joint. 1,854,515; Apr. 19.

Jackson, Alexander F., Mount Vernon, assignor to Columbian Rope Company, Auburn, N. Y. Rope and twine reel. 1,859,630; May 24.

Jackson, Alexander F., Mount Vernon, assignor to Wetherbest Stained Shingle Company, Inc., North Tonawanda, N. Y. Handling and treating shingles. 1,869,150; July 26.

Jackson, Alexander H., et al. (See Gaskin, Edward R., assignor.)

Jackson, Alexis, San Francisco, Calif. Power attachment. 1,850,350; Mar. 22.

Jackson, Alfred P., Attleboro, Mass., assignor to Lewis R. Smith, receiver for The Apco Mossberg Corporation. Engine hood antirattling device. 1,860,326; May 24.

Jackson, Arthur N., assignor to De Bergue and Company Limited, Manchester, England. Production of riveted joints and in apparatus therefor. 1,862,895; June 14.

Jackson, Arthur R., London, England, assignor to Hemingtons Rand Inc., Buffalo, N. Y. Index and signal. 1,876,236; Sept. 6.

Jackson, Byron, Co. (See Forrow, Elwin W., assignor.)

Jackson, Byron, Co., Grant, John, assignor.)

Jackson, Byron, Co. (See Hollander, Aladar, assignor.)

Jackson, Byron D. (See Strand, H., and Jackson.)

Jackson, Carl A., Superior, Wis. Window screen. 1,841,183; Jan. 12.

Jackson, Cecil K., Washington, Mo. Closing means for safe doors. 1,881,193; Oct. 4.

Jackson, Charles A. (See Finnerty, Thomas J., assignor.)

Jackson, Charles A. (See Peltz, G. M., and Jackson.)

Jackson, Charles A., Ridgewood, N. J. Electrical apparatus. 1,850,203; Oct. 4.

Jackson, Charles A., Ridgewood, N. J. Hydraulic turbine governor. 1,855,265; Nov. 1.

Jackson, Charles C. (See Morton, Alexander W., assignor.)

Jackson, Charles G., assignor to Multiplex Faucet Company, St. Louis, Mo. Beverage dispensing casing. Des. 87,116; June 7.

Jackson, Charles L., Chula Vista, Calif. Insect destroying device. 1,890,116; Dec. 6.

Jackson, Clarence E., and S. J. Ryan, Houston, Tex. Cementing wells. 1,866,522; July 5.

Jackson, Clayton R. (See Ball, H. C., Jackson, Keller and Winder.)

Jackson, Clyde E., assignor of one-half to A. Nowak, Tracy, Calif. Adjustable nozzle tip. 1,865,012; June 28.

Jackson, Corwill, Chicago, Ill. Lining tunnels, aqueducts, and the like. 1,867,837; July 19.

Jackson, Corwill, Chicago, Ill. Concrete molding apparatus. 1,868,169; July 19.

Jackson, Corwill, Chicago, Ill. Molding machine. 1,874,412; Aug. 23.

Jackson, Corwill, Chicago, Ill. Apparatus and method for covering pipes or conduits with concrete. 1,873,413; Aug. 23.

Jackson, Corwill, Chicago, Ill. Apparatus for molding pipe or conduits. 1,886,401; Nov. 8.

Jackson, David M., Bloomington, Ill. Fluid pressure operated valve. 1,847,343; Mar. 1.

Jackson, Edwin C. (See Howard, K. S., and Jackson.)

Jackson, Edwin C. (See Meyer, W. H., Travilla, Jr., and Jackson.)

Jackson, Edwin C., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Vehicle connection. 1,855,188; Apr. 26.

Jackson, Edwin C., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle underframe. 1,856,338; May 3.

Jackson, Ephraim L., assignor to Jacksons (London) Limited, London, England. Closet. 1,848,784; Mar. 8.

Jackson, Francis B., Tulsa, Okla. Well pumping apparatus. 1,880,321; Oct. 4.

Jackson, Frank P., San Antonio, Tex. Advertising attachment for weighing scales. 1,856,339; May 3.

Jackson, George B., Three Rivers, Mich. Aeronautical propeller. 1,846,337; Feb. 23.

Jackson, George C. (See Newport, E. L., and Jackson.)

Jackson, George H., Enfield, England. Trailer and means for coupling it to motor vehicles. 1,854,741; Apr. 19.

Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generating installation. 1,866,307; July 5.

Jackson, Glenn L., Chicago, Ill. Can opener. 1,863,483; June 14.

Jackson, Harold E., Detroit, Mich. Shock absorber. 1,880,292; Oct. 18.

Jackson, Harry, assignor to M. Jackson, Harrisburg, Pa. Advertising apparatus. 1,865,374; June 28.

Jackson, Harry B., assignor to H. W. Gossard & Sons, Lebanon, N. H. Overalls. 1,888,086; Nov. 15.

Jackson, Harry D., Fargo, N. Dak. Stand. Des. 87,063; May 31.

Jackson, Harry H. (See Roberts, W. T. B., and Jackson.)

Jackson, Hartley H., Kansas City, Mo. Advertising clock. 1,879,619; Sept. 27.

Jackson, Hazel M., Tucson, Ariz. Garment. 1,849,578; Mar. 15.

Jackson, Henry R., Newark, N. J. Shampoo chin rest. 1,882,624; Oct. 11.

Jackson, Herbert, St. Helens, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Automatic switch. 1,892,511; Dec. 27.

Jackson, Herbert D., and F. White, Walsall, Staffordshire, England. Closure for bottles, jars, and other containers. 1,863,706; June 21.

Jackson, Herbert M., Omaha, Nebr. Dirigible construction. 1,844,765; Feb. 9.

Jackson, James, Birmingham, assignor to Industrial Waste Eliminators Limited, London, England. Treatment of vegetable refuse for obtaining useful products therefrom. 1,870,121; Aug. 2.

Jackson, John F., assignor to H & B American Machine Co., Pawtucket, R. I. Reversible spindle drive for spinning and twisting frames. 1,848,423; Mar. 8.

Jackson, John F., assignor to H & B American Machine Co., Pawtucket, R. I. Reversible spindle drive for spinning and twister frames. 1,848,424; Mar. 8.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Latch mechanism for cabinet doors. 1,853,428; Apr. 12.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Fastening device. 1,876,237; Sept. 6.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Fuse clip. 1,883,790; Oct. 18.

Jackson, John L., Chicago, assignor to Deere & Company, Moline, Ill. Motor cultivator. 1,865,521; July 5.

Jackson, Joseph B., Milford, Mass., assignor to Draper Corporation, Hopedale, Mass. Take-up controlling mechanism for looms. 1,845,022; Feb. 16.

Jackson, Joseph W., Woodhaven, assignor to Solomon Slatkin, Fort Lee, N. J. Brake mechanism for baby carriages. 1,872,146; Aug. 16.

Jackson, Kenneth, St. Albans, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio. Coin box. 1,853,815; Apr. 12.

Jackson, Lawrence B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Exhaust silencing means. 1,853,429; Apr. 12.
Jackson (London) Limited. (See Jackson, Ephraim L., assignor.)
Jackson, Lonnie M., Columbus, Ohio. Separating fluids of different specific gravities. 1,856,686; Nov. 3.
Jackson, Lora B., Green Bay, Wis. Can perforating and pouring attachment. 1,863,853; June 21.
Jackson, Maunsell B., assignor to Canada. Heating range. 1,866,109; July 5.
Jackson, Malcolm J. (See Philips, G. S., and Jackson.)
Jackson, Marshall H. and W., assignors to Dwight & M. H. Jackson, Chicago, Ill. Documentary seal. 1,861,572; June 7.
Jackson, Mary. (See Jackson, Harry, assignor.)
Jackson, Maunsell B., Toronto, Ontario, Canada. Hydraulic clutch. 1,866,891; July 12.
Jackson, Maunsell B., assignor to A. E. Dyment, J. H. Lumbers, and W. S. Gray, trustees, Toronto, Ontario, Canada. Internal combustion engine. 1,860,673; May 31.
Jackson, Maunsell B., and K. M. Clipsham, Toronto, Ontario, assignors to Leaside Engineering Company Limited, Leaside, Canada. Engine starter. 1,874,298; Aug. 30.
Jackson, Maunsell B., and Kenneth M. Clipsham, Toronto, Ontario, assignor to Leaside Engineering Company, Limited, Leaside, Ontario, Canada. Engine starter. 1,892,056; Dec. 27.
Jackson, Michael, Chicago, Ill. Musical instrument. 1,865,522; July 5.
Jackson, Nelson W. A., Owen Sound, Ontario, Canada. Pliers. 1,843,819; Feb. 2.
Jackson, Norvel C., Sayville, Mo. Variable pitch propeller. 1,846,488; Feb. 23.
Jackson, Paul S., assignor to Sunstrand Machine Tool Co., Rockford, Ill. Work feed for machine tools. 1,843,365; Feb. 2.
Jackson & Perkins Company. (See Kallay, Joseph W., assignor.)
Jackson & Perkins Company. (See Leenders, Matthias, assignor.)
Jackson, Ralph G., Woodbury, N. J. Floor covering and making the same. 1,875,735; Sept. 6.
Jackson, Ray P., Berkeley, Calif., assignor to Westinghouse Electric & Manufacturing Company. Solder joint structure. 1,871,371; Aug. 9.
Jackson, Ray P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,871,696; Aug. 16.
Jackson, Robert, Chicago, Ill. Spring device. 1,881,277; Oct. 4.
Jackson, Robert H., Whittier, Calif. Apparatus for cementing wells. 1,849,190; Mar. 15.
Jackson, Sherman P., assignor to forty-nine per cent to E. F. Wheat and J. W. Gleghorn, Seminole, Okla. Automatic igniter. 1,855,551; Apr. 26.
Jackson, Thomas H., Youngstown, Ohio. Auxiliary air intake and mixing device. 1,868,902; July 26.
Jackson, Walter C., assignor to Tingley Reliance Rubber Corporation, Rahway, N. J. Clamping device. 1,867,156; July 12.
Jackson, Walter C., assignor to Tingley Reliance Rubber Corporation, Rahway, N. J. Bumper guard. 1,881,231; Oct. 4.
Jackson, Walter H., Summit, and W. H. Doosenbery, Bogota, N. J. Elevated airport. 1,843,640; Feb. 2.
Jackson, Walter S. (See Wensley, A. G., and Jackson.)
Jackson, William A., assignor to The Canadian Colortype, Limited, Hamilton, Ontario, Canada. Door actuating and retaining mechanism. 1,843,820; Feb. 2.
Jackson, William S., Bala-Cynwyd, Pa., assignor to Ajax Electrothermic Corporation, Trenton, N. J. Electric induction furnace. 1,875,310; Aug. 30.
Jackson, Warren. (See Jackson, M. H., and W.)
Jackwirth, Maximilian, Berlin-Pankow, Germany, assignor to General Electric Company. Electrical regulating system. 1,859,928; Oct. 25.
Jacob, Heinrich, Friedenau, near Berlin, Germany, assignor to the Firm Zeiss Ikon Aktiengeselischaft Goerzwerk, Zehlendorf near Berlin, Germany. Table barometer. Des. 88,298; Nov. 15.
Jacob, Max, Essen, assignor to Fried. Krupp, Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cash register. 1,858,626; May 17.
Jacobi, Bernhard. (See Fikentscher, H., and Jacobi.)
Jacobi, Daniel A., assignor to Milcare Co., Fergus Falls, Minn. Braking attachment for agitators. 1,861,444; June 7.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,842,451; Jan. 26.
Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Switch. 1,849,233; Mar. 15.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Locking device. 1,853,162; Apr. 12.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Locking device. 1,853,564; Apr. 12.
Jacobi, Edward N., assignor to E. N. Jacobi, trustee, Milwaukee, Wis. Automatic lighter for burners. 1,858,505; May 17.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electric switch. 1,862,117; June 7.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,869,426; Aug. 2.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,877,404; Sept. 13.
Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Handle assembly. 1,882,623; Oct. 11.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,882,626; Oct. 11.
Jacobi, Edward N., trustee. (See Jacobi, Edward N., assignor.)
Jacobi, Edward N., trustee. (See Mantz, Harold A., assignor.)
Jacobs, Aaron J., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Registering device. 1,860,184; May 24.
Jacobs, Arthur E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Spindle drive for machine tools. 1,839,316; Jan. 5.
Jacobs, Bessie, Pittsburgh, Pa. Drain pan. 1,876,420; Sept. 6.
Jacobs Bros. Co., The. (See Jacobs, Aaron J., assignor.)
Jacobs Bros. Co. Inc., The. (See Walker, George, assignor.)
Jacobs Bros. Co., Inc., The. (See Walker, Harold L., assignor.)
Jacobs, Charles C. (See Wanner, Albert J., assignor.)
Jacobs, Charles T., Chatham, N. J., assignor to Miessner Inventions, Inc., Wood and apparatus for the production of music. 1,886,687; Nov. 8.
Jacobs, Charles T., Chatham, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Apparatus for amplifying electric oscillations. 1,867,746; July 19.
Jacobs, Clymer, San Diego, Calif. Bed coupling. 1,851,282; Mar. 29.
Jacobs, E. H., Mfg. Co. (See Chadbourne, Joseph H., assignor.)
Jacobs, Edward, New York, N. Y. Capsule for carbonating liquids. Des. 87,393; July 19.
Jacobs, Edward L., Vicksburg, Mich. Artificial bait. 1,874,102; Aug. 30.
Jacobs, Frank, Prairie, Idaho. Trailer control. 1,856,997; May 3.
Jacobs, George A. (See Connor, R. A., and Jacobs.)
Jacobs, George H., Kings Mills, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Cartridge. 1,840,843; Jan. 12.
Jacobs, George H., assignor to The Peters Cartridge Company, Kings Mills, Ohio. Cartridge. 1,879,278; Sept. 27.
Jacobs, Harry M., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Computing mechanism. 1,860,185; May 24.
Jacobs, Henry, Bronx, N. Y. Novelty ash tray. Des. 86,775; Apr. 19.
Jacobs, Henry S., assignor to The Marion Steam Shovel Company, Marion, Ohio. Hoist and crowd combined control system for electric shovels. 1,889,035; Nov. 29.
Jacobs, Isidor, Union City, N. J. Fastener. 1,857,309; May 10.
Jacobs, James M. H., Dayton, Ohio. Toy airplane or the like. 1,852,507; Apr. 5.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Hose supporter. 1,848,722; Mar. 8.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Dispensing-package for powder puffs. 1,890,295; Dec. 6.
Jacobs, Joseph, Bridgeport, assignor to The Hayes-Donahue Manufacturing Co., Inc., Milford, Conn. Hair curler. 1,892,575; Dec. 27.
Jacobs, Reed E., Oakland, Calif. Electric machine. 1,858,506; May 17.
Jacobs, Reed E., Alameda, assignor of one-third to G. Q. Stewart, San Francisco, Calif. Airplane. 1,855,859; July 5.
Jacobsen, Albert E., Seattle, Wash., assignor to Luminous Tube Lighting Corporation. Spectral discharge tube. 1,851,360; Mar. 29.
Jacobsen, Arthur, San Francisco, Calif. Automatic casting antibacklash fishing reel. 1,858,087; Nov. 15.
Jacobsen, Arthur J., and J. C. McClure, Chicago, Ill. Extracting and inserting device. 1,876,500; Sept. 6.
Jacobsen, Jens N., Alameda, Calif., assignor to The Pfaudler Co., Rochester, N. Y. Processing apparatus. 1,840,100; Jan. 5.
Jacobsen, Jens N., assignor to The Pfaudler Co., Rochester, N. Y. Foam reducing apparatus. 1,859,827; May 24.
Jacobsen, Knud F., assignor to Jacobsen Mfg. Company, Racine, Wis. Grass catcher for lawn mowers. 1,881,618; Oct. 11.
Jacobsen Mfg. Company. (See Carlson, John A. E., assignor.)
Jacobsen Mfg. Company. (See Jacobsen, Knud F., assignor.)
Jacobsohn, Emanuel H., assignor to W. A. Taylor & Co., New York, N. Y. Bottle or similar container. Des. 87,214; June 21.
Jacobsen, Bror J., Warwick, assignor to Martin-Copeland Company, Providence, R. I. Ophthalmic mounting. 1,885,014; Oct. 25.

Jacobson, Carl H., Bridgeport, Conn. Combined weighing scale column and tare beam box. Des.28,084; Oct. 25.

Jacobson, Carl H., Bridgeport, Conn. Column for a weighing scale. Des. 88,085; Oct. 25.

Jacobson, Conrad C., Glen Ridge, N. J., and J. Schweder, assignors to John Robertson Co., Inc., Brooklyn, N. Y. Die block. 1,877,880; Sept. 20.

Jacobson, Conrad C., Glen Ridge, N. J., and J. Schweder, assignors to John Robertson Co. Inc., Brooklyn, N. Y. Solder wire extrusion press. 1,881,278; Oct. 4.

Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company. Recovering sodium thiosulphate from gas purification liquors and the like. 1,846,058; Feb. 23.

Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification. 1,852,014; Apr. 5.

Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company. Actification of alkaline sulphide solutions. 1,855,353; Apr. 26.

Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company. Manufacturing nitrates and other products. 1,864,826; June 28.

Jacobson, Floyd J., and E. J. Kauffman, Chappell, Nebr. Apple and orange dispenser. 1,842,452; Jan. 26.

Jacobson, Herbert O., Everett, Mass. Shaft coupling. 1,880,094; Sept. 27.

Jacobson, Jacob, Chicago, Ill. Cleaning and polishing mop. 1,886,688; Nov. 8.

Jacobson, Ludwig G., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Entrance inclosure operating and control means. 1,881,017; Oct. 4.

Jacobson, Oscar A., Zumbrota, Minn. Poultry marker. 1,850,362; March 22.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for conducting steam from an economizer to a boiler. 1,847,691; Mar. 1.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,851,010; Mar. 29.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for preheating oil from oil cracking stills. 1,853,165; Apr. 12.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,855,716; Apr. 26.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 1,880,253; Oct. 4.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,848,130; Mar. 8.

Jacobus, David S., Montclair, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace and operating line frame. 1,848,385; Mar. 8.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,853,683; Apr. 12.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,870,177; Aug. 2.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler and furnace. 1,878,145; Sept. 20.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler with forced return circulation through furnace walls. 1,883,293; Oct. 18.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Series boiler with superheater between boiler tubes. 1,883,294; Oct. 18.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater steam boiler. 1,890,212; Dec. 13.

Jacobus, David S., Montclair, N. J., and W. A. Jones, West New Brighton, N. Y., assignors to The Babcock and Wilcox Company, Bayonne, N. J. Soot pocket for boilers. 1,859,873; May 24.

Jacobus, Nelson L., Hempstead, N. Y. Tire shoe. 1,847,870; Mar. 1.

Jacoby, Arell H. (See Chapin, E. S., and Jacoby.)

Jacoby, Charles M., Kansas City, Mo. Catheter. 1,856,349; Apr. 12.

Jacoby, Meyer, and A. M. Zalkind, New York, N. Y.; said Zalkind assignor to said Jacoby. Adjustable wig. 1,853,979; Apr. 12.

Jacocks, George T., Brooklyn, assignor, by mesne assignments, to Alco Products Incorporated, New York, N. Y. Condenser. 1,865,255; June 28.

Jacocks, George T., Larchmont, and J. L. Krieg, Hollis, assignors to Alco Products, Incorporated, New York, N. Y. Heat exchanger. 1,855,552; Apr. 26.

Jacot-Descombes, Louis Tavannes, Switzerland. Change speed gear. 1,868,196; July 19.

Jacot, Georges, Geneva, Switzerland, assignor to Bulova Watch Company, Inc., New York, N. Y. Time setting device for timepieces. 1,855,053; Apr. 19.

Jacquard Knitting Machine Company. (See Bromley, Thomas C., assignor.)

Jacquard Knitting Machine Co. (See Sirmay, Julius, assignor.)

Jacquemin, Auguste F., assignor to Robers Fibre Company, Kennebunk, Me. Counter molding machine. 1,874,705; Aug. 30.

Jacques, D'Arcy J., Detroit, Mich. Outboard drive mechanism. 1,845,712; Feb. 16.

Jacques, George W., New Bedford, assignor to Atlas Tack Corporation, Fairhaven, Mass. Duplex fastener setting machine. 1,852,849; Apr. 5.

Jacques, Raynaldo P., Woonsocket, R. I., assignor to Adams Industries, Inc., New York, N. Y. Coupling terminal for conduits. 1,871,370; Aug. 9.

Jaczko, Joseph, Youngstown, Ohio. Cooling and heating system. 1,879,685; Sept. 27.

Jaquet, Léon. (See Dalin, G., and Jacquet.)

Jaden, Fred I., Hastings, Nebr. Gun for applying liquid to dandelions. 1,865,914; July 5.

Jaden, Fred I., Hastings, Nebr. Liquid dispensing gun. 1,868,235; July 19.

Jaden, Fred I., Hastings, Nebr. Pressure oiler. 1,875,008; Aug. 30.

Jadson Motor Products Company. (See Drake, Lem P., assignor.)

Jaeck, Oscar, deceased, Reinach, near Basel, W. Joeck, administrator, and F. Schütz, assignors to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Making acetyl cellulose. 1,839,967; Jan. 5.

Jaeck, Wolfgang, administrator. (See Jaeck, O., and Schütz.)

Jaeckle, Georg, Berlin-Lichterfelde, assignor to Firm Sendlinger Optische Glaswerke G. m. b. H., Berlin-Zehlendorf, Germany. Colorless glass. 1,868,065; July 19.

Jaeger, Alphons O. (See Daniels, L. C., Schwindt, and Jaeger.)

Jaeger, Alphons O., Mt. Lebanon, Pa., assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric acid process. Re18,380; Mar. 8.

Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Oxidation of polynuclear aromatic hydrocarbons. 1,844,395; Feb. 9.

Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Catalytic hydrogenation of nonnitrogenous esters. 1,846,729; Feb. 23.

Jaeger, Alphons O., Mt. Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Utilization of mixed acids. 1,848,724; Mar. 8.

Jaeger, Alphons O., Mount Lebanon, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Catalytic process and apparatus. 1,850,797; Mar. 22.

Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Synthetic resin. 1,860,098; May 24.

Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Synthetic resin. 1,864,909; June 28.

Jaeger, Alphons O., Mt. Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Production of aryl ketones. 1,868,532; July 19.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of naphthalene. 1,844,387; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of naphthalene. 1,844,388; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of anthraquinone. 1,844,389; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of acenaphthylene. 1,844,390; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Oxidation of acenaphthene. 1,844,392; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of by-product ammonia. 1,844,393; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Reduction of unsaturated acid compounds. 1,844,394; Feb. 9.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic reduction of organic nitrogen compounds. 1,845,280; Feb. 16.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of anthraquinone. 1,845,281; Feb. 16.

Jaeger, Alphons O., Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa. Purification of crude aromatic compounds. 1,846,728; Feb. 23.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Regenerating catalysts. 1,848,723; Mar. 8.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,850,398; Mar. 22.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic side chain oxidation of aromatic compounds. 1,851,361; Mar. 29.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic side chain oxidation of aromatic compounds. 1,851,362; Mar. 29.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of organic compounds. 1,851,363; Mar. 29.

Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purification of sublimable organic materials. 1,852,782; Apr. 5.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic molecular association of aldehydes. 1,864,908; June 28.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Oxidation of derivatives of fluorene. 1,866,531; July 26.
Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to Selden Research & Engineering Corporation, Pittsburgh, Pa. Production of non-acidic carbonyl compounds. 1,880,322; Oct. 4.
Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Catalytic oxidation of anthracene. 1,885,832; Nov. 1.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric acid process. 1,885,833; Nov. 1.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of anthracene. 1,886,023; Nov. 1.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of nonvolatile organic acids. 1,892,396; Dec. 27.
Jaeger, Alphons O., St. Louis, Mo., assignor to The Selden Company, Pittsburgh, Pa. Purification of crude aromatic hydrocarbons. 1,846,727; Feb. 23.
Jaeger, Alphons O., Mount Lebanon, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Production of monocarboxylic acids and their derivatives. 1,885,834; Nov. 1.
Jaeger, Alphons O., Mount Lebanon, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purification of phthalide. 1,889,201; Nov. 6.
Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo.; said Jaeger assignor to The Selden Company, Pittsburgh, Pa. Olefite process. 1,840,450; Jan. 12.
Jaeger, Alphons O., and L. C. Daniels, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Purification of oxide of ethylene. 1,845,937; Feb. 16.
Jaeger, Alphons O., and R. A. Norton, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Oxidation of acenaphthene. 1,844,391; Feb. 9.
Jaeger, Alphons O., Mount Lebanon, and H. J. West, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Purification of keto acids. 1,845,751; Feb. 16.
Jaeger, Alphons O., Crafton, and K. F. Pietzsch, assignors to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Vaporization in vapor phase catalyses. 1,849,833; Mar. 15.
Jaeger, Alphons O., Mount Lebanon, and L. C. Daniels, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Production of pelargonic aldehyde. 1,849,834; Mar. 15.
Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo., assignors to The Selden Company, Pittsburgh, Pa. Resin. 1,853,565; Apr. 12.
Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo.; said Jaeger assignor to The Selden Company, Pittsburgh, Pa. Catalytic process and apparatus. 1,872,956; Aug. 23.
Jaeger, Alphons O., L. C. Daniels, H. J. West, and C. E. Stevenson, Crafton, assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purification process using solvents. 1,879,686; Sept. 27.
Jaeger, Alphons W., Los Angeles, Calif. Absorption refrigerating apparatus. 1,849,931; Mar. 15.
Jaeger, Earl F., Chicago, Ill. Fastening mechanism for car doors. 1,857,275; Apr. 19.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Truck concrete mixer. 1,861,412; May 31.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Truck concrete mixer. 1,867,838; July 19.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Road or pavement making apparatus. 1,878,278; Sept. 20.
Jaeger, Gebhard, and J. Eggert, assignors to The Jaeger Machine Company, Columbus, Ohio. Water tank for concrete mixers. 1,876,946; Sept. 13.
Jaeger Machine Company, The. (See Eggert, J., assignor.)
Jaeger Machine Company. (See Gardiner, Lion, assignor.)
Jaeger Machine Company, The. (See Jaeger, Gebhard, assignor.)
Jaeger Machine Company, The. (See Jaeger, G., and Eggert, assignors.)
Jaeger Machine Company, The. (See Mosel, Joseph H., assignor.)
Jaeger Machine Company, The. (See Mosel, J. H., and Sangerr, assignors.)
Jaeger Machine Co., The, et al. (See Saxe, A. C., and Smith, assignors.)
Jaeger, Max, Wesselburen, Germany, assignor to H. O. S. Krüger, Washington, D. C. Machine for digging up ground. 1,856,216; May 3.
Jaeger, Siegfried. (See Schranz, Karl, and Jaeger.)
Jaeger, William. (See Jaeger, Carl and W.)
Jaeger, William H. (See Rochestie, B. B., and Jaeger.)
Jaegerhuber, Joe, Chicago, Ill. Differential and free wheeling mechanism. 1,854,036; Apr. 12.
Jaekli, Adolf. (See Freedman, E., Jaekli, and Gnaegi.)
Jaenecke, Ernst, Heidelberg, and H. Klippel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of sulphides. 1,861,058; May 31.
Jaenichen, Louis, Springfield Township, Oakland County, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich. Tare compensating device. 1,849,009; Mar. 8.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,860,628; May 24.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,861,613; Apr. 30.
Jaffé, William E. B., Chelsea, England. Stringing of lawn tennis and like rackets. 1,863,059; June 14.
Jagdmann, Karl E. W., Cambridge Springs, Pa. Building block and the construction of floors and the like. 1,891,597; Dec. 20.
Jäger, Carl, Mannheim-Waldhof, Germany. Phonographic record. 1,859,396; May 24.
Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Telescoping gasometer. 1,870,683; Aug. 9.
Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Nuremberg, Germany. Gasometer. 1,886,101; Nov. 1.
Jahn, August, Hamburg, Germany. Meat chopper. 1,879,279; Sept. 27.
Jahn, August, Hamburg, Germany. Meat chopper. 1,891,712; Dec. 20.
Jahn, Fritz, Berlin-Pankow, Germany, assignor to General Electric Company. Electrical regulator. 1,847,877; Mar. 1.
Jahn, John R., Berkeley, and H. S. Duey, San Francisco, Calif. Pipe plug. 1,872,947; Sept. 13.
Jähne, Ernst H., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Company, Dresden, Germany. Apparatus for stamping paper containers or cardboard boxes with flat rectangular bottoms. 1,843,027; Jan. 26.
Jähne, Ernst H., assignor to Firm "Universelle" Cigarettemaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for aligning match strips having staggered matches. 1,869,342; Aug. 2.
Jähne, Ernst H., assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Machine for applying strips to cigarette containers. 1,869,374; Aug. 2.
Jähne, Ernst H., assignor to the Firm Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Device for detaching labels from a pile. 1,886,102; Nov. 1.
Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Crank case closure and holding means. 1,847,651; Mar. 1.
Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Lubricant conducting means. 1,876,948; Sept. 13.
Jahnke, Charles B., and A. C. Boock, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Power plant. 1,843,162; Feb. 2.
Jahr, Gustave I., et al. (See Stolfa, H., and Zwerina, assignors.)
Jakobi, Andrew. (See Chambers, H. W., and Jakobi.)
Jakosky, John J., assignor to Drill Guide Incorporated, Los Angeles, Calif. Apparatus for indicating excessive deviation of drill holes from the vertical. 1,850,399; Mar. 22.
Jakosky, John J., Los Angeles, assignor to Electroblacks, Inc., Culver City, Calif. Apparatus for producing carbon black. 1,872,297; Aug. 16.
Jakosky, John J., Los Angeles, and A. W. Knight, South Pasadena, assignors to International Precipitation Company, Los Angeles, Calif. Time switch. 1,869,752; Aug. 2.
Jakosky, John J., assignor to Drill Guide Incorporated, Los Angeles, Calif. Apparatus for mensuring deviation of rotary drills from the vertical. 1,889,921; Dec. 6.
Jali, Peter V., Portland, Oreg. Pulverizing machine. 1,886,103; Nov. 1.
Jalkut, Lee D., Lawrence, N. Y., assignor to Ingram Richardson Corporation, Bayonne, N. J. Table top or the like. Des. 88,354; Nov. 22.
Jalkut, Lee D., Lawrence, N. Y., assignor to Ingram Richardson Corporation, Bayonne, N. J. Table top or the like. Des. 88,355; Nov. 22.
James, Arthur E., Auburn, R. I. Division for bowling alleys and guard thereon. 1,879,749; Sept. 27.
James, David. (See Peters, William A., assignor.)
James, Edward, Cleveland, assignor to H. E. Smith, Cleveland Heights, Ohio. Pipe connection. 1,873,590; Aug. 23.
James, Edward, Cleveland, assignor, by mesne assignments, to H. E. Smith, Cleveland, Ohio. Radiator connection. 1,873,591; Aug. 23.
James, Edward, Cleveland, assignor, by mesne assignments, to H. E. Smith, Cleveland, Ohio. Pipe connection. 1,873,592; Aug. 23.

James, Edwin T., Casterton, Victoria, Australia. Transmission of power from the driving or traction wheels of motor vehicles. 1,846,730; Feb. 23.

James, Francis F., Philadelphia, Pa., assignor, by mesne assignments, to Trayer Bolt Company, Inc., Elmira, N. Y. Automatically adjustable connection for shackle bolts. 1,857,133; Nov. 8.

James, Frederic W., Belleville, assignor to N. P. Nelson Iron Works, Inc., Passaic, N. J. Change speed wheel. 1,882,627; Oct. 4.

James, Frederic W., Belleville, assignor to N. P. Nelson Iron Works, Inc., Passaic, N. J. Lock shaft. 1,882,628; Oct. 11.

James, Frederic W., Belleville, assignor to N. P. Nelson Iron Works, Inc., Passaic, N. J. Power driven loader. 1,882,629; Oct. 11.

James, George S., Long Island, N. Y., assignor, by mesne assignments, to James Neon Double Electrode Corporation, Chicago, Ill. Gaseous conduction lamp. 1,881,610; Oct. 11.

James, George W., Youngstown, Ohio. Guard for circular saws. 1,870,293; Sept. 27.

James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automobile storage generator. 1,859,874; May 24.

James, Henry D., Edgewood, Pa., assignor to Westinghouse & Electric Manufacturing Company. Power supply system. 1,860,099; May 24.

James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Garage elevator. 1,871,371; Aug. 9.

James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automobile storage elevator. 1,871,372; Aug. 16.

James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Storage building. 1,872,594; Aug. 16.

James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device for elevators. 1,874,044; Aug. 30.

James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety operation by buffer. 1,874,754; Aug. 30.

James, Henry D., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamic brake for automobiles. 1,860,504; May 31.

James, Henry D., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,871,697; Aug. 16.

James, Henry D., Edgewood, and H. W. Williams, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Motor control system. 1,871,698; Aug. 16.

James, Henry V., Cintra, England. Paper web tensioning means for reel-fed printing presses. 1,879,901; Sept. 27.

James, Henry V., Radlett, England. Paper web tensioning means for reel-fed printing presses. 1,879,902; Sept. 27.

James, John O., Somerville, Mass. Apparatus for heating. 1,877,764; Sept. 20.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Intermediate partial oxidation products and making same. Re18,522; July 12.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Making partial oxidation products. 1,858,095; May 10.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Making partial oxidation products. 1,859,587; May 24.

James Manufacturing Company. (See Markey, George T., assignor.)

James Manufacturing Company. (See Markey, G. T., Olson, and Young, assignors.)

James Manufacturing Company. (See Marshall, R., and Olson, assignors.)

James Manufacturing Company. (See Olson, John B., assignor.)

James Manufacturing Company. (See Shodron, John G., assignor.)

James, Maxwell, et al. (See Flanzer, Joseph A., assignee.)

James, Maxwell, et al. (See Jones, Lester L. and J., assignors.)

James, Mildred L., Brooklyn, N. Y. Dress. Des 87,215; June 21.

James Neon Double Electrode Corporation. (See James, George S., assignor.)

James, Nephanus E., et al. (See Clayton, William F., assignor.)

James, Oliver M., assignor to Dayton Veneer & Lumber Mfg., Dayton, Tenn. Ventilated basket. 1,887,057; Nov. 8.

James, Richard H., East Hartford, assignor to Veeder-Root Incorporated, Hartford, Conn. Odometer drive. 1,872,039; Aug. 16.

James, Robert B, assignor of one-half to Cleveland-Browning Company, Atlanta, Ga. Switch mechanism for signal and other electrical circuits. 1,863,658; June 21.

James, Robert G. (See Murphy, E. A., James, and Twiss.)

James, Samuel, assignor to Chamberlain & Hookham Limited, Birmingham, England. Improvements relating to summation means. 1,876,949; Sept. 13.

James, Wathen M., Denver, Colo. Refreshment stand. 1,846,112; Feb. 23.

James, Wathen M., Denver, Colo. Serving tray. 1,872,740; Aug. 23.

James, William E., et al. (See Clayton, William F., assignor.)

James, William S. (See Paton, C. R., and James.)

Jameson, Clarence W., assignor to Atlas Electric Device Co., Chicago, Ill. Apparatus for testing the effect of weather upon objects. 1,870,512; Aug. 9.

Jamestown Lounge Company. (See Swanson, Richard L., assignor.)

Jamestown Metal Desk Company. (See Hanson, Rudolph L., assignor.)

Jamestown Metal Desk Company. (See Jones, Emil J., assignor.)

Jamestown Metal Equipment Company. (See Carlson, Otto, assignor.)

Jamestown Metal Equipment Company. (See Foster, Fred L., assignor.)

Jamison, John K., Monessen, assignor to Pittsburgh Steel Products Company, Pittsburgh, Pa. Making tubes. 1,854,550; Apr. 19.

Janalik, Alois, New York, N. Y. Legging. 1,860,103; July 26.

Janus, Milo, Elyria, Ohio. Toy wagon. 1,858,858; May 17.

Jancke, Benno F., Brooklyn, assignor to Townsend Manufacturing Company, Inc., New York, N. Y. Clip. 1,849,351; Mar. 15.

Jancke, Benno F., Brooklyn, assignor to Townsend Manufacturing Company, Inc., New York, N. Y. Heater element for permanent waving of hair. 1,857,639; May 10.

Jancke, Benno F., assignor to Shelton-Jancke Corporation, New York, N. Y. Apparatus for use in waving hair. 1,892,106; Dec. 27.

Jancke, Benno F., New York, and F. Korf, and W. F. Zenker, Crestwood, assignors to Shelton-Jancke Corporation, New York, N. Y. Hair waver. 1,892,107; Dec. 27.

Janda, Rudolph W. (See Anderson, C. F., and Janda.)

Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Ironing machine. 1,867,839; July 19.

Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Caster mounting. 1,869,966; Aug. 2.

Jandasek, Joseph, Cicero, Ill. Power transmission. 1,855,967; Apr. 26.

Jandus, Herbert S., Detroit, Mich. Bumper. 1,840,722; Jan. 12.

Jandus, Herbert S., Detroit, Mich., and F. A. Smith, Chicago, assignors to Likes Products Corporation, North Chicago, Ill. Lock for spare wheels and tires. 1,881,620; Oct. 11.

Jane, Robert S., Shawinigan Falls, Quebec, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Apparatus for dry generation of acetylene. 1,872,741; Aug. 23.

Jänecke, Ernst, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of mixed crystals containing potassium and ammonium. 1,848,131; Mar. 8.

Janer, Andre, Flushing, N. Y. Container for lip-sticks and the like. 1,850,934; Mar. 22.

Janes, Edmund D. (See Fenton, P. B., and Janes.)

Janes, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable fastener. 1,850,504; Mar. 22.

Janes, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Carpet fastener. 1,854,843; Apr. 19.

Janeway, John T., Chicago, Ill. Self priming pump. 1,849,093; Mar. 15.

Janeway, Price W., jr., Media, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Preheating coal and cooling coke. 1,854,407; Apr. 19.

Janicki, John, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand covering apparatus. 1,881,621; Oct. 11.

Janin, Albert S., West New Brighton, N. Y., assignor, by mesne assignments, to A. L. Janin. Aeronautical device. 1,866,534; July 12.

Janin, Alice L. (See Janin, Albert S., assignor.)

Janisch, Maximillian P. (See Raso, Dante, assignor.)

Janisch, Mixinillian P. (See Wenzel, E. H., and Janisch.)

Janisch, Maximillian P., assignor to Steelstamp Corporation, Milwaukee, Wis. Automatic circuit breaker. 1,861,800; June 7.

Janiszewski Kasimelt, assignor to Superior Tool and Die Company, Wilwaukee, Wis. Device for assembling and dismantling die sets. 1,859,446; May 24.

Jankisz, Martin, Brooklyn, N. Y. Handtruck. 1,885,112; Nov. 1.

Janney, John. (See Moore, William J., assignor.)

Janney, Reynold, Londonderry, Ohio. Aircraft. 1,876,682; Sept. 13.

Jannin, Marcel, Meudon, France. Aeroplane. 1,843,678; Feb. 2.

Jannin, Marcel E. L., Meudon, France. Rotary compressor. 1,842,940; Jan. 26.

Janof, Louis, Washington, D. C. Handbag. Des. 86,606; Mar. 29.
Janover, Daniel W., assignor to S. Gumpert Co. Inc., Brooklyn, N. Y. Cup or similar container. Des. 87,156; June 14.
Janson, Einar, assignor of one-half to M. S. Hamm, Chicago, Ill. Toy telephone. 1,888,802; Nov. 22.
Jansen, Stanley W., Detroit, Mich., assignor to Backstay Welt Company, Union City, Ind. Automobile antisqueak welt. 1,870,122; Aug. 2.
Jansky, Charles G., Berwyn, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Golf club. 1,840,451; Jan. 12.
Janson, Frederick L., Port Chester, N. Y. Aeroplane. 1,864,438; June 21.
Janson, George W., Nutley, N. J., and W. F. Callahan, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y., a corporation for testing and recording the condition of clock setting circuits. 1,881,622; Oct. 11.
Janssen, Charles F., Astoria, N. Y. Tackle block. 1,890,992; Dec. 13.
Janssen, Earnest Herrin, Ill. Indoor plant starter. 1,886,690; Nov. 8.
Janssen, Frederick W., Detroit, Mich. Toothbrush. 1,886,024; Nov. 1.
Janssen, Fritz, Birkenwerder, Germany, assignor to General Electric Company. Electric motor. 1,852,807; Apr. 5.
Janssen, Henry. (See Kuhn, G. F., and Janssen.)
Janssen, Henry, assignor of one-half to G. F. Kuhn, Philadelphia, Pa., Air tight meat cooker and processor. 1,851,582; Mar. 29.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Rotary container for centrifugal machine. 1,892,057; Dec. 27.
Janssen, Niels B., Kansas City, Mo. Tomato unwrapping machine. 1,853,816; Apr. 12.
Janssen, Oscar, St. Louis, Mo. Nozzle. 1,845,918; Feb. 16.
Janssen, Oscar, St. Louis, Mo. Package. 1,870,912; Aug. 9.
Jansson, Bennett G., Kittery, Me., assignor to Emerson Apparatus Company, Melrose, Mass. Safety razor. 1,848,078; Mar. 1.
Jansson, Bennett G., Kittery, Me., and C. J. Emerson, Winchester, assignors to Emerson Apparatus Company, Melrose, Mass. Safety razor. 1,849,299; Mar. 15.
Jansson, Bennett G., Kittery, Me., assignor, by mesne assignments, to Emerson Apparatus Company, Melrose Highlands, Mass. Safety razor. 1,886,689; Nov. 8.
Jansson, Ernst P., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,849,672; Mar. 15.
Jansson, Gustaf, Wyoming, Ohio, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Switch-house. 1,843,286; Feb. 2.
Jansson, Gustaf E., Atlantic, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electrical distribution protective system. 1,859,447; May 24.
Jansson, Gustaf E., Atlantic, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Unitary transforming and circuit interrupting apparatus. 1,859,969; May 24.
Jansson, Gustav E., Atlantic, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Potential transformer. 1,868,605; July 26.
Jansson, Gustav E., Atlantic, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Combined insulating bushing and transformer. 1,868,606; July 26.
Jantsch, Victor, assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Battery cover. 1,845,418; Feb. 16.
Jantsch, Victor, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Tie rod adjustment. 1,854,938; Apr. 19.
Jantz, Gustave H., Wyoming, Ohio. Safety release mechanism for wringers. 1,847,186; Mar. 1.
Jantz, Gustave H., Wyoming, Ohio. Safety release mechanism for wringers. 1,847,187; Mar. 1.
Jantzen, Fred, Bronx, N. Y., and J. J. Lynch, Jersey City, N. J., assignors to Marproof Products, Incorporated, New York, N. Y. Furniture shoe. 1,849,835; Mar. 15.
Jantzen Knitting Mills. (See Monroe, Mayer G., assignor.)
Janus, Bernard, assignor to Sarnia Air Equipment Limited, Sarnia, Ontario, Canada. Gauge for tire inflation air lines or the like. 1,890,056; Dec. 6.
Janzen, Jetze Willem, The Hague, assignor to Naamlooze Vennootschap; Glasfabriek "Leerdam", voorheen Jeekel, Mijnssen & Co., Leerdam, The Netherlands. Glass building-stone, tile, or like building element. 1,868,236; July 19.
Jaques, Fernando O., Providence, R. I. Sizing tooth crowns. 1,876,950; Sept. 13.
Jaquith, Eugene H., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Bookrack. 1,891,120; Dec. 20.
Jarchow, Warren L., Stillwater, Minn. Trim for turf borders. 1,879,281; Sept. 27.
Jardine, Charles, assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Radiator cap ornament. Des. 86,235; Feb. 16.
Jardine, Charles, assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Radiator cap ornament. Des. 86,236; Feb. 16.
Jardine, Charles, assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Radiator cap ornament. Des. 86,525; Mar. 15.
Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,847,947; Mar. 1.
Jardine, Frank, assignor to The Cleveland Trust Company, Cleveland, Ohio, trustee. Piston. 1,891,419; Dec. 20.
Jarecki Manufacturing Co. (See Harrison, Charles P., assignor.)
Jargstorff, George W. (See Smith, O. H., and Jargstorff.)
Jargstorff, George W., Glen Rock, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Making styrols. 1,870,852; Aug. 9.
Jarman Shoe Company. (See Lawson, Jessie H., assignor.)
Jarmann, Alfred, Ballston Spa, N. Y. Variable transmission. 1,863,598; June 21.
Jarmin, James B., assignor to Servis Equipment Company, Dallas, Tex. Road machine. 1,890,649; Dec. 13.
Jaros, Edward T. (See Jaros, Frank J. and E. T.)
Jaros, Frank J. and E. T., Chicago, Ill. Attachment plug for automobile signaling devices. 1,876,951; Sept. 13.
Jarratt, Walter J. (See Grange, Leo O., assignor.)
Jarrell, Charles S., and A. J. Webb, assignors to Charlotte Chemical Laboratories Inc., Charlotte, N. C. Electrical controlled valve. 1,865,058; June 28.
Jarvis, Charles P., Portland, Me. Demountable arm-rest for motor vehicles. 1,873,414; Aug. 23.
Jarvis, Charles H., assignor to United Steel & Wire Company, Battle Creek, Mich. Shelving. 1,855,242; Apr. 26.
Jarvis, Charles H., assignor to United Steeel & Wire Company, Battle Creek, Mich. Receptacle. 1874,299; Aug. 30.
Jarvis, Christopher, Monte Video, Minn. Turbine. 1,882,689; Oct. 11.
Jarvis, Frank J., assignor to Jarvis and Jarvis, Inc., Palmer, Mass. Expanding clamping means. 1,848,347; Mar. 8.
Jarvis, Frank J., assignor to Jarvis and Jarvis, Inc., Palmer, Mass. Expanding clamping means. 1,848,348; Mar. 8.
Jarvis, Frank J., assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Bearing construction. 1,882,497; Oct. 11.
Jarvis, Frank J., assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Tire tread. 1,882,498; Oct. 11.
Jarvis, Frank J. and N. L., assignors to Jarvis and Jarvis, Inc., Palmer, Mass. Guard wheel. 1,888,796; Nov. 22.
Jarvis & Jarvis, Inc. (See Jarvis, Frank J., assignor.)
Jarvis and Jarvis, Inc. (See Jarvis, Frank J. and N. L.)
Jarvis, Lewis A., Grand Rapids, Mich. Cap for radiator necks and the like. 1,849,354; Mar. 8.
Jarvis, Nelson L. (See Jarvis, Frank J. and N. L.)
Jarvis, Tom H., West Huntington, W. Va. Pulley and mounting for glass cutting tool. 1,874,755; Aug. 30.
Jarvis, W. B., Company. (See Andrie, Michael B., assignor.)
Jarvis, W. B., Company. (See Jarvis, William B., assignor.)
Jarvis, W. B., Company. (See Ruppel, Frederick C., assignor.)
Jarvis, Walter D., Pittsburgh, assignor, by mesne assignments, to Mary Haines Marks, Sewickley, Pa. Paper lath. 1,872,957; Aug. 23.
Jarvis, William B., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Temperature indicator for internal combustion engines. 1,845,049; Feb. 16.
Jascur, Samuel, Bronx, N. Y. Fabric treating device. 1,868,170; July 19.
Jasgur, Samuel, Brooklyn, N. Y. Window shade adjusting device. 1,868,481; July 19.
Jascur, Samuel, Brooklyn, N. Y. Window shade adjusting device. 1,875,812; Sept. 6.
Jasinski, Andrew, Chicago, Ill. Imitation walling. 1,871,887; Aug. 16.
Jason, Hellmuth, Coto Menas, Seron, Spain. Coupling for wire ropes. 1,866,470; July 5.
Jaspar, Edgar L., Ventura, assignor of one-half to W. D. Shaffer, Brea, Calif. Multicolumore head valve assembly. 1,844,222; Feb. 9.
Jasper, Tobias G., Brooklyn, N. Y. Pressing machine. 1,849,402; Mar. 15.
Jasper, Tobias G., Brooklyn, N. Y. Treadle for pressing machines and the like. 1,856,767; May 3.
Jasper, Tobias G., Brooklyn, N. Y. Pressing machine. 1,890,579; Dec. 13.
Jaspert, William B. (See Follno, John, assignor.)
Jassen, Bern, and P. L. Nussbaum, Brooklyn, N. Y. Replaceable heel. 1,888,765; Nov. 22.
Jassoy, Otto, assignor to Elnar C. Christensen, Buffalo, N. Y. Cheese slicer. 1,881,623; Oct. 11.
Jaswell, Peter. (See Shaw, A. F., and Jaswell.)
Jauch, Robert J., assignor to Wayne Company, Fort Wayne, Ind. Automatic inflating device. 1,866,653; July 12.

Jauch, Robert J., and H. L. Mitchell, assignors to Wayne Company, Fort Wayne, Ind. Dispensing apparatus. 1,869,375; Aug. 2.

Jauch, Robert J., I. R. Farnham, and R. H. Arnold, assignors to Wayne Company, Fort Wayne, Ind. Liquid dispensing apparatus. 1,888,533; Nov. 22.

Jaumann, Andreas, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric filter arrangement. 1,852,202; Apr. 11.

Jauslin, Oscar J. (See Swanson, Reuben D., assignor.)

Javick, Michel, Plains, Pa. Wall ornament. Des. 87,157; June 14.

Javins, Harry A., assignor to A. Elliott and G. G. Foulks, Elk Grove, Calif. Shaving brush and device for forming the same. 1,867,230; Jan. 12.

Jaworowski, Joseph F., Cleveland, Ohio. Meter. 1,882,632; Oct. 11.

Jaxheimer, William H., assignor to Smith, Drum & Company, Philadelphia, Pa. Support for ironing machine rolls. 1,861,499; June 7.

Jay Manufacturing Company. (See Van Tuyl, Thomas, assignor.)

Jay, Mary R., New York, N. Y. Sleeping balcony. 1,859,104; July 26.

Jay, Webb, Miami Beach, Fla. Knee control steering attachment. 1,882,323; Oct. 11.

Jaycox, Edwin K., Harrington Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacture of vacuum devices. 1,874,537; Aug. 30.

Jayne, David W., jr. (See Christmann, L. J., and Jayne.)

Jayne, Wade H., New York, N. Y. Brush holder. 1,862,404; June 7.

Jealous, Madeleine C., Wellesley Hills, assignor to American Woolen Company, Boston, Mass. Textile fabric. Des. 87,469; Aug. 2.

Jeanneret, Bernard Henri, assignor to Electrogaz S. A., Le Locle, Switzerland. Valve actuator for a switch. 1,868,419; July 19.

Jeannette Steel Corporation. (See Stough, Turney H., assignor.)

Jeantet, Paul, assignor to Paul Jeantet & Cie., Gennevilliers, France. Pipe stem or similar article. Des. 86,813; Feb. 23.

Jeantet, Paul, assignor to Paul Jeantet & Cie, Gennevilliers, France. Pipe stem or similar article. Des. 87,117; July 5.

Jeantet, Paul, & Cie. (See Jeantet, Paul, assignor.)

Jeavons, William R., Cleveland Heights, and M. J. Rentschler, Willoughby, Ohio. Preserving caustic materials. 1,851,844; Mar. 29.

Jeerson, Glenn V., and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-switch operating apparatus. 1,887,376; Nov. 8.

Jefferies, Richard H., Richmond, Va. Cigarette extinguisher. 1,874,045; Aug. 30.

Jefferis, Vernon, Ida, Iowa. Packing tool. 1,850,459; Mar. 22.

Jefferson Electric Co., Ky. Pa., assignor, by mesne assignments, to Oakes Products Corporation. Demountable wheel lock. 1,881,624; Oct. 11.

Jeffers, Roland L. (See Palmer, R. D., and Jeffers.)

Jefferson Electric Company. (See Bohlman, Ernest A., assignor.)

Jefferson Electric Company. (See Cook, Herbert R., assignor.)

Jefferson Electric Company. (See Daley, James C., assignor.)

Jefferson Electric Company. (See Hanks, Elmer C., assignor.)

Jefferson Electric Company. (See Johnson, Chester A., assignor.)

Jefferson, Eugene D., Boston, assignor to Rodney Hunt Machine Company, Orange, Mass. Kier. 1,853,977; Apr. 12.

Jefferson, Glen V., assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 1,848,349; Mar. 8.

Jefferson, Glen V., assignor to The Union Switch & Signal Company, Swissvale, Pa. Contact structure. 1,849,403; Mar. 15.

Jefferson Union Company. (See Duncklee, Lester A., assignor.)

Jeffery, Benjamin A., assignor to Champion Porcelain Company, Detroit, Mich. Method of and apparatus for shaping articles. 1,862,854; June 21.

Jeffery, Douglas C., and F. H. Riddle, assignors to Champion Porcelain Company, Detroit, Mich. Pyrometer tube. 1,869,151; July 26.

Jeffery Manufacturing Corporation, The. (See Jordon, Benjamin M., assignor.)

Jeffery, Raymond L. (See Hickman, C. V., and Jeffery.)

Jeffrey, Douglas C., Akron, and H. J. Marsham, Oakfield, N. Y., assignors to Universal Gypsum & Lime Co., Chicago, Ill. Lath bundling apparatus. 1,875,610; Sept. 6.

Jeffrey Manufacturing Company, The. (See Bauroth, Walter J., assignor.)

Jeffrey Manufacturing Company, The. (See Beltz, John S., assignor.)

Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)

Jeffrey Manufacturing Company, The. (See Coseo, Frederick C., assignor.)

Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)

Jeffrey Manufacturing Company, The. (See Ellestrom, George O., assignor.)

Jeffrey Manufacturing Company, The. (See Francis, Earle V., assignor.)

Jeffrey Manufacturing Company. (See Kienzle, Charles J., assignor.)

Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)

Jeffrey Manufacturing Company, The. (See Ossing, Stanley F., assignor.)

Jeffrey Manufacturing Company, The. (See Stanley, Arba P., assignor.)

Jeffrey Manufacturing Company, The. (See Waxbom, Charles E., assignor.)

Jeffrey Manufacturing Company, The. (See Whitney, Paul V., assignor.)

Jeffrey, Max L., Cleveland, Ohio. Universal joint. 1,845,794; Feb. 16.

Jeffreys, Charles R., McKeesport, Pa. Automatic cushion gear. 1,877,763; Sept. 20.

Jeffreys, Oliver B., Outwood, Ky. Calendar. 1,890,117; Dec. 6.

Jeffries, Charles W., assignor of one-fourth to M. P. Erwin, Lake Charles, La. Synchronizing system for television apparatus. 1,865,190; June 28.

Jefsen, William A. (See Meyer, W. H., and Jefsen.)

Jegge, Emil G. (See Ward, E. H., and Jegge.)

Jelinek, Rudolph, Chicago, Ill. Vessel holder. 1,887,571; July 19.

Jelke, John F., Company. (See Farrell, D. A., and Johnson, assignors.)

Jelliff, Howard W., and W. H. Abbott, assignors to Utility Products Company, Cleveland, Ohio. Spray gun. 1,881,625; Oct. 11.

Jellineck, Rudolph, Jacksonville, Fla. Passenger guard. 1,841,964; Jan. 19.

Jellow, Timothy, and A. Di Bona, Quincy, Mass. Forming designs in surfaces. 1,869,695; Aug. 2.

Jenser Glaswerk Schott & Gen. (See Grossmann, Max, assignor.)

Jencick, Stephen, Chagrin Falls, Ohio. Transmission. 1,869,674; May 31.

Jencick, Stephen, Chagrin Falls, Ohio. Hydraulic shock absorber. 1,882,633; Oct. 11.

Jendrzejczak, Vincent and C. Kolacki, Amsterdam, N. Y. Nonskid apparatus for automobiles. 1,868,390; July 19.

Jendrek, Frank J., assignor to The Mosler Safe Company, Hamilton, Ohio. Depository. 1,852,053; Apr. 5.

Jeneson, George R., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Apparatus for forming sheet metal caps. 1,884,708; Oct. 25.

Jenkins, Addison. (See Arduser, J. O., and Jenkins.)

Jenkins, Addison, assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Making fish bowls. 1,870,363; Aug. 9.

Jenkins, Alexander F., Baltimore, Md. Air brush. 1,849,300; Mar. 15.

Jenkins, Alexander F., Baltimore, Md. Oxy-acetylene torch. 1,869,215; July 26.

Jenkins, Alexander F., Baltimore, Md. Fabricating tips for torches. 1,869,260; July 26.

Jenkins, Alexander F., Baltimore, Md. Apparatus for mixing gases. 1,880,140; Sept. 27.

Jenkins, Alexander F., Baltimore, Md. Tip for oxy-acetylene torches. 1,888,385; Nov. 22.

Jenkins Bros. (See Gora, Henry, assignor.)

Jenkins Bros. (See Yeoriley, Farnham, assignor.)

Jenkins, C. Francis, Inc. (See Jenkins, Charles F., assignor.)

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Spiral mounted lens disk. Re18,452; May 3.

Jenkins, Charles F., assignor to C. Francis Jenkins, Inc., Washington, D. C. Cabin airplane ventilation. 1,840,393; Jan. 12.

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Scanning apparatus and method. 1,844,508; Feb. 9.

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Chronoteine or high speed camera. 1,854,742; Apr. 19.

Jenkins, Charles F., assignor to C. Francis Jenkins, Inc., Washington, D. C. Aeroplane engine exhaust. 1,858,048; May 10.

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Electro-optical system and method of scanning. 1,859,828; May 24.

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Resistance cell-circuit. 1,879,687; Sept. 27.

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Multiple spot lamp. 1,879,688; Sept. 27.

Jenkins, Charles W. (See Burson, T., and Jenkins.)

Jenkins, Clifford W., and E. B. Bishop, Sacramento, Calif. Sanitary toilet flush. 1,864,827; June 28.

Jenkins, D. C., Glass Company. (See Arduser, J. O., and Jenkins, assignors.)

Jenkins, D. C., Glass Company. (See Jenkins, Addison, assignor.)

Jenkins, D. C., Glass Company. (See Jenkins, David A., assignor.)
Jenkins, D. C., Glass Company. (See Newman, Edward J., assignor.)
Jenkins, David A., assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Sealing top for jars. 1,840,673; Jan. 12.
Jenkins, Earl G., Pittsburgh, Pa. Hermetically sealed casket. 1,868,853; June 21.
Jenkins, Emerson, Danville, Ill. Headlight adjusting device. 1,847,052; Mar. 1.
Jenkins, George M., et al. (See Gunn, James B., assignors.)
Jenkins, Harold O., Platteville, Wis. Hog feeding trough handling device. 1,881,194; Oct. 4.
Jenkins, Ira E., Secretary to Hesse-Ernst Iron Works, Portland, Oreg. Resaw setworks. 1,840,778; Jan. 12.
Jenkins, James M., assignor to Andale Company, Philadelphia, Pa. Duplex valve. 1,848,175; Mar. 8.
Jenkins, Jesse M., Summit, N. J. Hairpin. 1,875,611; Sept. 6.
Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
Jenkins, Paul S., assignor to Square D Company, Detroit, Mich., Electrical switch. 1,842,453; Jan. 26.
Jenkins, Paul W. (See Young, J. H., and Jenkins.)
Jenkins Petroleum Process Company. (See Bartlett, Kent W., assignor.)
Jenkins Petroleum Process Company. (See Jenkins, U. S., Ranstead, and Hildebrandt, assignors.)
Jenkins Petroleum Process Company. (See Ranstead, Norman A., assignor.)
Jenkins Petroleum Process Company. (See Swartz, Stephen, assignor.)
Jenkins, Raymond J., Baltimore, Md. Smoke pipe air check. 1,881,626; Oct. 11.
Jenkins, Raymond J., Baltimore, Md. Fuel saving and combustion regulating device. 1,883,295; Oct. 18.
Jenkins, Robert, sr., Baltimore, Md. Shade supporting bracket. 1,866,308; July 5.
Jenkins, Russell L., Anniston, Ala., and J. F. Norris, Cambridge, Mass., assignors to Swann Research, Inc. Porous silica catalyst and preparing the same. 1,884,709; Oct. 25.
Jenkins, Russell L., Anniston, Ala., and J. F. Norris, Cambridge, Mass., assignors to Swann Research, Inc. A catalytic process for hydrolyzing organic halides. 1,884,710; Oct. 25.
Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Inc. Production of chlorinated diaryls. 1,892,397; Dec. 27.
Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Inc. Noncrystalline highly chlorinated diaryl resin. 1,892,398; Dec. 27.
Jenkins, Russell L., and J. A. Sikarski, Anniston, Ala., assignors to Swann Research, Inc. Producing clear transparent chlorinated diaryl resins. 1,892,399; Dec. 27.
Jenkins, Russell L., and J. A. Sikarski, Anniston, Ala., assignors to Swann Research, Incorporated. Diphenyl resin and producing the same. 1,892,400; Dec. 27.
Jenkins Television Corporation. (See Haberle, Sumner D., assignor.)
Jenkins Television Corporation. (See Nason, Charles H. W., assignor.)
Jenkins, Thomas, assignor to Norristown Magnesia & Asbestos Company, Norristown, Pa. Water and dampproof paper. 1,885,113; Nov. 1.
Jenkins, Thomas B., Richmond, Ind., assignor to Jenkins Vulcan Spring Co., Richmond, Ind. Controlling and measuring liquids for remote delivery. 1,869,010; July 26.
Jenkins, Ulysses S., Chicago, Ill., N. H. Ranstead, Whiting, and W. H. Hildebrandt, Hammond, Ind., assignors to Jenkins Petroleum Process Company, Inc., Chicago, Ill. Process and apparatus for treating heavier hydrocarbons. 1,852,972; Apr. 5.
Jenkins, Vance N. (See Hall, F. W., and Jenkins, assignors.)
Jenkins Vulcan Spring Co. (See Jenkins, Thomas B., assignor.)
Jenkins, William A., Wilmington, Calif. Reversible die head. 1,868,750; July 26.
Jenkins, William A., Wilmington, Calif. Automatic nipple threading machine. 1,880,391; Oct. 4.
Jenkinson, George B., Prescott, Ontario, Canada, assignor to The Newell Mfg. Co., Inc., Ogdensburg, N. Y. Curtain fixture. 1,881,627; Oct. 11.
Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 86,720; Apr. 12.
Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Constructing pneumatic tires. 1,849,625; Mar. 15.
Jenks, Barton P., Providence, R. I. Spoon or similar article. Des. 86,029; Jan. 19.
Jenks, Harold C., Willinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,839,559; Jan. 5.
Jenks, J. F., et al. (See Hopkins, Durward K., assignor.)
Jenks, James L., jr., Medford Hillside, assignor, by mesne assignments, to Raytheon Inc., Cambridge, Mass. Electric discharge device. 1,841,288; Jan. 12.
Jenks, James L., jr., Medford Hillside, Mass., assignor to Raytheon Inc. Cambridge, Mass. Gaseous conduction device. 1,841,289; Jan. 12.
Jennejohn, John, assignor to Utility Manufacturing Co., Cudahy, Wis. Vulcanizer with wedge lock. 1,881,628; Oct. 11.
Jennejohn, John C., assignor to Utility Manufacturing Co., Cudahy, Wis. Engraving machine. 1,868,662; July 26.
Jenner, Ralph L. (See Woodruff, W. W., and Jenner.)
Jenner, Ralph L. (See Woodruff, W. W., 3d, and Jenner.)
Jenner, Ralph L., Le Roy, N. Y., assignor to Lapp Insulator Company. Line clamp. 1,858,549; May 17.
Jenner, Ralph L., East Orange, N. J., assignor to Lapp Insulator Company, Inc. Suspension clamp. 1,879,282; Sept. 27.
Jenner, Ralph L., East Orange, and F. E. Chester, Woodbury, N. J., assignors to Blaw-Knox Company, Pittsburgh, Pa. Transmission line support. 1,888,534; Nov. 22.
Jenness, Leslie G., assignor to Intermetal Corporation, New York, N. Y. Treatment of bauxite clay, and intermediate aluminum bearing ores. 1,858,272; May 17.
Jenness, Leslie G., Brooklyn, assignor to Intermetal Corporation, New York, N. Y. Recovery of metals from their ores. 1,863,959; June 21.
Jenney Manufacturing Company. (See Gott, William A., assignor.)
Jenney, Melvin R., Melrose, assignor, by mesne assignments, to Thermostatic Control Company, Boston, Mass. Shock absorber. Re18,411; Apr. 5.
Jenney, Sherman, New York, N. Y. Ravioli machine. 1,856,507; May 17.
Jennings, Allen D., Chagrin Falls, Ohio. Time study method and apparatus. 1,839,318; Jan. 5.
Jennings, Amy S., New York, N. Y. Protective outer garment. 1,888,676; Nov. 22.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,840,394; Jan. 12.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,861,964; June 7.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Carrier for dispatch systems. 1,862,903; July 26.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Conveyer mechanism. 1,871,996; Aug. 16.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,871,997; Aug. 16.
Jennings, Chester S., and L. C. Allen, assignors to The Lamson Company, Syracuse, N. Y. Loading mechanism for conveyors. 1,861,963; June 7.
Jennings, Chester S., F. W. MacMartin, assignors to The Lamson Company, Syracuse, N. Y. Carrier dispatch system. 1,871,995; Aug. 16.
Jennings, Frederick C. (See Hayes, C., Madge, and Jennings.)
Jennings, Irving C., South Norwalk, Conn. Vacuum steam heating system. 1,845,023; Feb. 16.
Jennings, Irving C., South Norwalk, Conn. Heating by steam. 1,851,434; Mar. 29.
Jennings, Irving C. South Norwalk, Conn. Heating apparatus. 1,869,930; May 5.
Jennings, Irving C., South Norwalk, Conn. Turbine and motor driving mechanism for rotary pumps. 1,869,696; Aug. 2.
Jennings, Irving C., South Norwalk, Conn. Vacuum steam heating apparatus. 1,870,734; Aug. 9.
Jennings, Irving C., South Norwalk, Conn., and L. W. Southgate, Washington, D. C., said Southgate assignor to said Jennings. Steam heating system. 1,870,733; Aug. 9.
Jennings, James B., and G. P. Estes, McPherson, Kans. Treating crude oil. 1,891,987; Dec. 27.
Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Shaker for salt, etc. 1,890,222; Dec. 6.
Jennings, Lloyd L., Los Angeles, Calif. Doll. Des. 86,676; Apr. 5.
Jennings, Melvin O., Lexington, assignor to H. H. Beckwith, Brookline, Mass. Heater unit. 1,871,271; Aug. 9.
Jennings, Melvin O., Lexington, assignor to Beckwith Manufacturing Company, Boston, Mass. Coating machine. 1,871,993; Aug. 16.
Jennings, Melvin O., Lexington, assignor to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,876,054; Sept. 6.
Jennings, Melvin O., Lexington, and L. E. Alley, Cambridge, assignors to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,876,055; Sept. 6.
Jennings, Michael J., Youngstown, Ohio. Stair tread grooving machine. 1,845,666; Feb. 16.
Jennings, O. D., & Company. (See Jennings, O. D., and Gilmore, assignors.)
Jennings, O. D., & Company. (See Mihalek, Emery, assignor.)
Jennings, O. D. & Company. (See Vaughn, John L., assignor.)

Jennings, Ode D., Palatine, and C. B. Gilmore, assignors to O. D. Jennings & Company, Chicago, Ill. Check-controlled apparatus for vending machines. 1,882,634; Oct. 11.

Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,869,563; Aug. 2.

Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Panel circuit breaker. 1,872,296; Aug. 16.

Jennings, Ruby S., Butler, Ind. Pocket. 1,869,261; July 26.

Jennings, Victor H., (See Turner, R. G., and Jennings.)

Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reversing multiplier. 1,852,083; Apr. 5.

Jennison, William S., et al. (See Pot, Arthur, assignor.)

Jennison, Elizabeth. Detroit, Mich. Circle waving comb. 1,885,923; Nov. 22.

Jennison, Herbert C., Bridgeport, assignor to The American Brass Company, Waterbury, Conn. Electric conductor. 1,843,452; Feb. 2.

Jensen, Aage, Los Angeles, Calif. Sanitary lift valve. 1,848,632; Mar. 8.

Jensen, Alfred M., assignor to Harvey Spring & Forging Co., Racine, Wis. Lock washer. 1,872,460; Aug. 16.

Jensen, Amos V., assignor to Viking Pump Company, Cedar Falls, Iowa. Rotary pump. 1,853,430; Apr. 12.

Jensen, Amos V., assignor to Viking Pump Company, Cedar Falls, Iowa. Rotary pump. 1,863,160; June 14.

Jensen, Anton. (See Mossberg, F., and Jensen.)

Jensen, Axel G. (See Friis, H. T., and Jensen.)

Jensen, Axel G., New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric wave transmission system. 1,884,711; Oct. 25.

Jensen, Carl Emil Hunting Beach, assignor to W. D. Shaffer, Brea, Calif. Blow-out preventer. Re18,655; Nov. 15.

Jensen, James A., Philadelphia, Pa. Grave vault. Des. 87,216; June 21.

Jensen, John, Ellendale, N. Dak. Composition and making a kalsomine dressing. 1,840,301; Jan. 12.

Jensen, John A. G. (See Madsen, N. P., and Jensen.)

Jensen, John K., Blackfoot, Idaho. Breather pipe cap. 1,865,319; June 28.

Jensen, Karl E., assignor to Industrial Gloves Corporation, Chicago, Ill. Legging. 1,846,612; Feb. 23.

Jensen, Karl E., assignor to Industrial Gloves Corporation, Chicago, Ill. Arm protector. 1,851,011; Mar. 29.

Jensen, Karl K. (See Jensen, Peter L., assignor.)

Jensen, Kenneth La Grange, and E. C. Anderson, Chicago Heights, assignors to Kensington Steel Company, Chicago, Ill. Conveyer. 1,854,334; Apr. 19.

Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,846,731; Feb. 23.

Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Duplicating machine. 1,861,120; May 31.

Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,873,593; Aug. 23.

Jensen, Louis, assignor to United Automatic Register Co., Chicago, Ill. Typewriting duplicator. 1,882,635; Oct. 11.

Jensen, Louis, and F. C. Reucker, assignors to United Autographic Register Co., Chicago, Ill. Web folding mechanism. 1,852,655; Apr. 5.

Jensen, Louis, and F. C. Reucker, assignors to United Autographic Register Co., Chicago, Ill. Variable speed mechanism. 1,873,415; Aug. 23.

Jensen, Peter L., Alameda, assignor to K. K. Jensen, Piedmont, Calif. Bonnet. 1,852,415; Apr. 5.

Jensen, Peter L., La Grange, assignor to Jensen Radio Manufacturing Co., Chicago, Ill. Magnetic sound reproducer. 1,886,519; Nov. 8.

Jensen Radio Manufacturing Co. (See Jensen, Peter L., assignor.)

Jensen, Soren C., Presque Isle, Me. Barrel carrying device. 1,855,678; Apr. 26.

Jensen, Soren C., Presque Isle, Me. Barrel carrying device. 1,867,265; July 12.

Jensen, Thorvald, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Paper feed control for wrapping machines. 1,892,275; Dec. 27.

Jensen, Walter E., Chicago, Ill., assignor to Partition Machinery, Inc. Adjustable partition machine. 1,887,976; Nov. 15.

Jensen, Walter E., Chicago, Ill., assignor to Partition Machinery, Inc. Partition machine. 1,887,977; Nov. 15.

Jensen, William, Chicago, Ill. Reel for detachable conduits. 1,863,341; June 14.

Jenson, James B., Salt Lake City, Utah. Guard finger and ledger plate for mowing machines. 1,869,898; Aug. 2.

Jeppson, George N., and T. Larsson, assignors to Norton Company, Worcester, Mass. Segmental abrasive wheel. 1,865,523; July 5.

Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Therapeutic arc lamp. 1,871,699; Aug. 16.

Jeppsson, Ivar, Chicago, and E. S. Bartlett, Forest Park, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Shearing machine. 1,871,700; Aug. 16.

Jepsen, Hans J., and C. C. Nielsen, Copenhagen, Denmark. Savings-box calendar. 1,886,104; Nov. 1.

Jepson, Alfred H. (See Burt, Alexander T., assignor.)

Jepson, Melvin E. (See Barker, George B., assignor.)

Jerabek, Theophil E. (See Peck, C. C., and Jerabek.)

Jerabek, Theophil E., assignor to The Lincoln Electric Company, Cleveland, Ohio. Article for use in arc welding. 1,884,712; Oct. 25.

Jerabek, Theophil E., assignor to The Lincoln Electric Co., Cleveland, Ohio. Method of and apparatus for coating wire. 1,884,713; Oct. 25.

Jerabek, Theophil E., assignor to The Lincoln Co., Cleveland, Ohio. Arc welding. 1,884,714; Oct. 25.

Jerabek, Theophil E., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding electrode. 1,884,715; Oct. 25.

Jerabek, Theophil E., and S. C. Osborne, assignors to The Lincoln Electric Company, Cleveland, Ohio. Method of and apparatus for arc welding. 1,840,584; Jan. 12.

Jeralds, George L., assignor to The Ball & Socket Manufacturing Company, West Cheshire, Conn. Garment supporter loop. 1,872,461; Aug. 16.

Jerczek, Viktor, Berlin-Steglitz, Germany. Grinding machine. 1,857,549; May 10.

Jereczek, Viktor. Berlin-Steglitz, Germany. Twist drill grinding machine. 1,885,375; Nov. 1.

Jeremiassen, Finn, Oslo, Norway. Crystallization apparatus. 1,860,741; May 31.

Jergens, Andrew, assignor to The Andrew Jergens Company, Cincinnati, Ohio. Soap framing device. 1,853,978; Apr. 12.

Jergens, Andrew, Company, The. (See Crouse, Homer W., assignor.)

Jergens, Andrew, Company, The. (See Jergens, Andrew, assignor.)

Jermář, František, Opava, Czechoslovakia. Weir shutter. 1,887,265; Nov. 8.

Jernyn, Charles D., North Vancouver, British Columbia, Canada. Nonreturn device. 1,859,704; May 24.

Jernberg, Karl, Chicago, Ill. Automatic shut-off valve. 1,848,176; Mar. 8.

Jerome, Edwin R., Cranston, R. I., assignor to Victor Ring Traveler Company. Ring traveler. 1,846,732; Feb. 23.

Jerome, Walter C., Worcester, Mass. Floor washing machine. 1,892,347; Dec. 27.

Jerry Dress Co. Inc. (See Dechery, Emile, assignor.)

Jersey, Arthur M., Lansing, Mich. Can opener. 1,876,421; Sept. 6.

Jerzykowski, Josef, Nuremberg, assignor of one-half to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Photographic developing apparatus. 1,854,335; Apr. 19.

Jeschke, Frank J., assignor of one-half, to J. J. Young, Detroit, Mich. Grinding mechanism. 1,877,328; Sept. 13.

Jeschke, Frank J., assignor to Micromatic Hone Corporation, Detroit, Mich. Granding mechanism. 1,889,664; Nov. 29.

Jespersen, Carsten F., Bangkok, Siam, assignor to Svend F. Jespersen, Copenhagen, Denmark. Sliding form for casting columnar or box-shaped concrete structures such as chimneys, silos, and the like. 1,891,160; Dec. 13.

Jespersen, Christian M., Kansas City, Mo. Tank cap lock. 1,849,746; Mar. 15.

Jespersen, Helge W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for controlling the working of material. 1,840,101; Jan. 5.

Jespersen, Helge W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for cleaning articles. 1,840,102; Jan. 5.

Jespersen, Svend F. (See Jespersen, Carsten F., assignor.)

Jessen, George J., Oakmont, Pa., assignor to American Telephone and Telegraph Company. Combined cable and wire support. 1,841,479; Jan. 19.

Jessen, Jacob, Kyneshu, Wis. Machine for assembling piston rings on pistons. 1,852,613; Apr. 5.

Jessop, William, Grays, assignor of one-third to Drums Limited and one-third to The International Paint and Compositions Company, Limited, London, England. Guards. 1,879,283; Sept. 27.

Jessup, Alfred C., Clamart, France. Manufacture of magnetism. 1,866,975; July 12.

Jessup, George K., Greenwich, Conn., assignor, by mesne assignments, to Metropolitan Device Corporation. Threading cables through ducts. 1,851,455; Mar. 29.

Jessup, George L., Woodland, Calif. Trigger guard. 1,887,308; Nov. 8.

Jessup & Moore Paper Co., The. (See Ramsey, James G., assignor.)

Jetilek, Eduard. (See Thoerig, C. W., and Jetilek.)

Jett, George C., assignor of two-fifths to W. H. Stiemke Milwaukee, Wis. Crawler tread mechanism 1,881,630; Oct. 11.

Jewel Steel & Malleable Co. (See Rycroft, Ralph T., assignor.)

Jewelers Supply Company, The. (See Farnham, Frank E., assignor.)

Jewelite Inc. (See Lawrence, Harry W., assignor.)
Jewell Bros. Products Company. (See Newton, George W., assignor.)
Jewell Electrical Instrument Company. (See Miller, John H., assignor.)
Jewell, Harold D., Detroit, Mich. Telephone signal light. 1,864,910; June 28.
Jewell, Harold D., Detroit, Mich. Sign. 1,883,791; Oct. 18.
Jewell, John F., Laconia, N. H. Rug. 1,872,742; Aug. 23.
Jewell, Mildred, Miami, Fla. Educational device. 1,864,022; June 21.
Jewett & Company. (See Jewett, Sherman S., assignor.)
Jewett, Henry S., New York, N. Y. Extensible stem for flowers. 1,845,154; Feb. 16.
Jewett, Joseph E., Buffalo, assignor to The National Aniline & Chemical Company, Inc., New York, N. Y. High pressure valve. 1,844,164; Feb. 9.
Jewett, Joseph E., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Electrolytic cell. 1,856,254; May 3.
Jewett, Joseph E., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Electrolytic cell. 1,888,677; Nov. 22.
Jewett, Joseph E., C. E. Heritage and R. Riegler, Buffalo, assignors to National Aniline & Chemical Co., inc., New York, N. Y. Agitated apparatus. 1,864,825; June 28.
Jewett, Maurice G., assignor to Chain Belt Company, Milwaukee, Wis. High speed chain and making same 1,881,631; Oct. 11.
Jewett, Nelson J., et al. (See Dalgliesh, Herbert V., assignor.)
Jewett, Sherman S., assignor to Jewett & Company, Buffalo, N. Y. Gas range. 1,854,743; Apr. 19.
Jex, William A., Somerville, Mass. Gearless differential. 1,843,163; Feb. 2.
Jiffy Battery Terminal Corporation. (See Wallenberg, F. J., and Quinn, assignors.)
Jiffy Wire Connecter Company. (See Sommer, William R., assignor.)
Jimenez, Alfredo A. and J. C., Habana, Cuba. Patternsheet controlled switch for illuminable signs. 1,844,770; Feb. 9.
Jimenez, Julio C. (See Jimenez, Alfredo A. and J. C.)
Jimison, Charles T. (See Ward, William W., assignor.)
Jimmerson, Eva W., New York, N. Y. Attachment for hospital beds. 1,865,257; July 5.
Jimmis, John E., Waukau, Wis. Pump operating mechanism. 1,871,063; Aug. 9.
Jinnett, Francis E., Ventura, Calif. Pipe cleaner. 1,887,853; Nov. 15.
Jipp, August. (See Küpfmüller, K., and Jipp.)
Jipp, August, Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraph plant or type-printing telegraph. 1,859,776; May 24.
Jipp, August, Berlin-Spandau, E. Rossberg, Berlin-Siemensstadt, F. Simon and A. Scheunert, Berlin-Charlottenburg, and W. Skawran, Berlin-Niederschonhausen, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Printing telegraph exchange system. 1,870,997; Aug. 9.
Jirka, Raymond L., Western Springs, Ill. Brake head and shoe assembly. 1,856,812; May 3.
Joanisse, Alcard F. (See Forest, J. F. E., and Joanisse.)
Jobes, C. T., et al. (See Schurtz, Ralph E., assignor.)
Jobes, Lawrence U., Greenville, Ohio. Gate. 1,883,792; Oct. 18.
Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Automatic stop for brush making machines. 1,839,319; Jan. 5.
Jobst, Günther, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Light control means. 1,843,981; Feb. 9.
Jobst, Günther, J. Richter and W. Wehnert, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Gas tube amplifier. 1,859,749; Dec. 6.
Jochum, jr., J. H. (See Weber, John J., assignor.)
Jochum, John. (See Sponsel, K., and Jochum.)
Jockers, Harry W., assignor of one-half to J. M. Denney, Philadelphia, Pa. Damper control. 1,841,128; Jan. 12.
Jodeck, Fred. (See Cattaneo, G., Edeleanu, Hess, Jodeck, and Rosenberg.)
Jodeck, Paul, New York, N. Y., assignor to "Edeleanu" Gesellschaft m. beschränkter Haftung, Berlin, Germany. Apparatus for refining heavy mineral oils. 1,864,911; June 28.
Joekel, Hobert, Sterling, Nebr. Brace bar folding device. 1,863,163; May 24.
Joerissen, Carl A., Washington, D. C. Typewriting machine. 1,846,339; Feb. 23.
Joerissen, Carl A., Washington, D. C. Typewriting machine. 1,856,340; May 3.
Joerissen, Carl A., Westfield, N. J. Typewriter. 1,887,887; Nov. 15.
Joffé, Abraham, Leningrad, Russia, assignor to Industrial Research Company, Cambridge, Mass. Voltage regulator. 1,850,587; Mar. 22.
Joffé, Abraham, Leningrad, Russia, assignor to Industrial Research Company, Cambridge, Mass. Electrical condenser and the like. 1,864,828; June 28.
Joffé, Abraham, Leningrad, Union of Socialist Soviet Republics, assignor to Industrial Research Company, Cambridge, Mass. Forming on the surface of a dielectric a thin layer in which the potential fall is concentrated. 1,865,695; July 5.
Jogger Manufacturing Company, The. (See Borrowdale, Russell W., assignor.)
Joha, Elmer N., Wauwatosa, assignor to Reliable Knitting Works, Milwaukee, Wis. Knitted footwear and making the same. 1,883,172; Nov. 15.
Johansen, Thomas, Hutchison, Heights, and Edward E. Kehoe, deceased; Catherine Kehoe administratrix, Baltimore, Md., assignors to the Monomelt Company, Truck for handling rolls of newsprint paper. 1,887,134; Nov. 8.
Johannes, Hubert G., Chippewa Falls, Wis., assignor to Albert Pick-Barth Company, Inc., Chicago, Ill. Mixing spoon. Des. 86,607; Mar. 29.
Johannesen, Johan E., Brooklyn, N. Y. Suspenderless universal. Des. 87,479; Aug. 2.
Johannesen, Johan E., Brooklyn, N. Y. Overalls. 1,854,262; Apr. 19.
Johansson, Svend E., Pittsfield, Mass., assignor to General Electric Company. Electrical winding. 1,865,256; June 28.
Johannessen, Ralph A., Los Angeles, Calif. Direction indicator. 1,881,632; Oct. 11.
Johanning, Carlos F., Denison, Tex. Auxiliary base and switch attachment for telephones. Re18,462; May 17.
Johannsen, Adolf, (See Johannsen, Udo K., assignor.)
Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Trim frame for panels. 1,891,421; Dec. 20.
Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Making trim frames. 1,891,422; Dec. 20.
Johanson, Johan W., Bankeryd, Sweden. Match package. 1,865,694; July 5.
Johanson, Karl Alfred, Stockholm, Sweden. Manufacturing match box shells. 1,865,695; July 5.
Johansen, Donald, Weyburn, Saskatchewan, assignor to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada. Rod weeder. 1,854,902; Apr. 19.
Johansen, Hans, Sangerhausen, Germany. Automatic target. 1,853,979; Apr. 12.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,866,934; July 12.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Core drill. 1,878,241; Sept. 20.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,884,716; Oct. 25.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Chuck mechanism. 1,884,717; Oct. 25.
Johansen, Rismus D. (See Kittredge, E. B., Forster, and Johansen.)
Johanson, Adolph T., Chicago, Ill. Boiler. 1,851,707; Mar. 29.
Johanson, Carl H., Los Angeles, Calif., assignor to International Glove Process Company, Ltd. Glove finger tip construction. 1,861,601; June 7.
Johanson, Carl H., Los Angeles, Calif., assignor to International Glove Process Company, Ltd. Glove and method of making. 1,864,439; June 21.
Johanson, Carl H., Los Angeles, Calif. Fourchette-less duplex-finger kitchen glove. 1,885,446; Nov. 1.
Johanson, Carl U., et al. (See Anderson, Carl J., assignor.)
Johanson, Gustav H., assignor to C. Wilhjelm, as trustee, Philadelphia, Pa. Gas and air valve. 1,872,961; Aug. 23.
Johanson, Ivar. (See de Malvin de Montazet, M. J. A., and Johanson.)
Johanson, Karl J. A. (See Hysing, E. G., and Johanson.)
Johansson, Anders, Stacke-bo-Hd, Sweden, assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,841,129; Jan. 12.
Johansson, Carl E., Detroit, Mich. Surface plate. 1,889,897; Dec. 6.
Johansson, Johan P., Enkoping, Sweden. Lock. 1,840,037; Jan. 5.
Johansson, Johan W., Bankeryd, Sweden. Manufacture of strip matches. 1,857,723; May 10.
Johansson, Karl A. A., Stockholm, Sweden. Card index. 1,878,834; Sept. 20.
Johantgen, Oliver D., Kenilworth, assignor to Victor Adding Machine Company, Chicago, Ill. Paper feeding mechism for listing machines. 1,870,056; Sept. 6.
Johantgen, Oliver D., Kenilworth, assignor to Victor Adding Machine Company, Chicago, Ill. Item counting mechanism for listing machines. 1,876,057; Sept. 6.
Johenning, Franz, assignor to Naamlooze Vennootschap: Hollandsche Industrie en Handelmaatschappij, The Hague, Netherlands. Machine adjusting the timing of a fuse for a projectile. 1,863,659; June 21.
John, Erling, assignor to Firm: Odda Smelteverk, A/S., Odda, Norway. Producing calcium nitrate and ammonium salts from phosphate rock and like phosphate material. 1,856,187; May 3.

John, Franklin. (See Brookshire, Roy L., assignor.)
John, Hans, Appleton, assignor to Paper Patents Company, Neenah, Wis. Bleaching process. 1,872,743; Aug. 23.
John, Lillian. (See John, Robert, assignor.)
John, Lillian, Middletown Township, Monmouth County, N. J., assignor, by mesne assignments, to E. Seifert, Chicago, Ill. Cartridge for use in apparatus for decarbonizing engines. 1,878,401; Sept. 20.
John, Robert, Long Branch, N. J., assignor to Automotive Process Corporation. Composition for maintaining the efficiency of engines. 1,849,456; Mar. 15.
John, Robert, Long Branch, N. J., assignor to Aquatone Corporation, Chicago, Ill. Device for washing or treating plates. 1,871,374; Aug. 9.
John, Robert, Long Branch, N. J., assignor to Aquatone Corporation, Chicago, Ill. Light sensitive film, sensitizer therefor, and producing same. 1,875,292; Aug. 30.
John, Robert, West End, N. J., assignor to L. John, New York, N. Y. Device and method for testing lubricating oil. 1,854,143; Aug. 12.
John, Ulrich. (See Hecht, H., and John.)
John, Wesley E., Johannesburg, Transvaal, Union of South Africa. Manufacture of means for producing a straight line motion of lenses in cinematograph apparatus or of other objects. 1,858,670; May 17.
John, William, assignor to Peiler Wagon Company, Pekin, Ill. Trailer draft gear. 1,884,975; Oct. 25.
Johne-Werk Grafische Maschinen-Aktiengesellschaft. (See Stegmann, Karl, assignor.)
Johner, Hans, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Diazo-preparations and making same. 1,846,113; Feb. 23.
Johner, Hans, assignor to the Firm, Society of Chemical Industry in Basle, Basel, Switzerland. Diazo-preparations and making same. 1,875,243; Aug. 30.
Johnfelder Aktiengesellschaft, and Meyer von Soden-Fraunhofen, A. G., and von Thungen, assignors.)
Johns, Francis J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Squirrel-cage pump motor or the like. 1,870,776; Aug. 9.
Johns, Francis J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reversible squirrel-cage motor having low plugging torque. 1,870,777; Aug. 9.
Johns, Frank W. (See Olsen, J. C., jr., Bottle, and Johns.)
Johns, Fred, W., Le Hall, Va. Back-up light. 1,876,952; Sept. 13.
Johns, Henry S., Grimsby Township, county of Lincoln, Ontario, assignor to Bancroft Holdings Limited, Hamilton, Ontario, Canada. Bag filling machine. 1,851,910; Mar. 29.
Johns, Henry S., assignor to Bancroft Holdings Limited, Hamilton, Ontario, Canada. Plaster base. 1,882,499; Oct. 11.
Johns, Luther, Oak Park, Ill., assignor to R. L. Nafziger, Kansas City, Mo. Engine control means. 1,846,873; Feb. 23.
Johns-Manville Corporation. (See Baker, James D., assignor.)
Johns-Manville Corporation. (See Beckwith, Charles J., assignor.)
Johns-Manville Corporation. (See Collins, Murray A., assignor.)
Johns-Manville Corporation. (See Eisenbardt, Frank J., assignor.)
Johns-Manville Corporation. (See Saunders, Arthur B., assignor.)
Johns-Manville Corporation. (See Ware, Melvin R., assignor.)
Johns-Manville Corporation. (See Wilbur, Lawrence S., assignor.)
Johns-Manville Corporation of New York. (See Rolfs, E. L., and Fuller, assignors.)
Johns, Roy W., assignee, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Separating the whites from the yolks of eggs. 1,847,692; Mar. 1.
Johns, Roy W., assignor to Swift and Company, Chicago, Ill. Preparing meat for market. 1,849,457; Mar. 15.
Johns, Roy W., assignor to Swift and Company, Chicago, Ill. Branding edible animal carcasses. 1,863,903; June 21.
Johnsen, Bjornulf. (See Lolley, W. H., Johnsen, and Wheeler W.)
Johnsen, Charles A., Wheatland, Calif. Spice can holder. 1,892,349; Dec. 27.
Johnsen, William H., Dallas, Tex. Chemical carbon remover. 1,850,881; Mar. 22.
Johnson, A. & Co. (See Kalling, B. M. S., and von Delwig, assignors.)
Johnson, Albert, Chicago, Ill. Lubricating shoe. 1,852,579; Apr. 5.
Johnson, Albert G. (See Shaw, L. I., and Johnson.)
Johnson, Albert J. and C. B. Grace, Omaha, Nebr. Advertising rack for typewriters. 1,879,284; Sept. 27.
Johnson, Albert L. T., Worcester, Mass. Stretcher. 1,854,037; Apr. 12.
Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Honing machine. 1,872,746; Aug. 23.
Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Honing machine. 1,877,881; Sept. 20.
Johnson, Albert O., Kansas City, Mo. Double-door arresting mechanism. 1,875,873; Sept. 6.
Johnson, Alfred, Westerleigh, assignor to Combustion Utilities Corporation, New York, N. Y. Manufacture of coke and combustible gas and apparatus therefor. 1,849,036; Jan. 12.
Johnson, Alfred, Westerleigh, assignor to Combustion Utilities Corporation, New York, N. Y. Manufacture of water gas. 1,849,015; Mar. 1.
Johnson, Alfred, Westerleigh, assignor to Combustion Utilities Corporation, New York, N. Y. Selective separation of liquids. 1,877,958; Aug. 23.
Johnson, Alfred, Uniontown, Pa., and R. H. Johnson, Morgantown, assignors to Makeras, Inc., Fairmont, W. Va. Clutch. 1,867,296; July 12.
Johnson, Alfred F., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener socket member. 1,865,555; July 5.
Johnson, Alfred J., Eau Claire, Wis. Boring machine. 1,848,725; Mar. 8.
Johnson, Algot F., Minneapolis, Minn., assignor to Koehring Company, Milwaukee, Wis. Sprinkling system for use with concrete paving machine. 1,865,109; June 28.
Johnson, Almon A., Superior, Wis. Steering machine. 1,842,526; Jan. 26.
Johnson, Alvin A., Chicago, Ill. Speed reducing device for railway cars. 1,845,282; Feb. 16.
Johnson, Alvin O., Chicago, Ill., assignor to The Meyercord Company. Forming decorated metal objects. 1,866,110; July 5.
Johnson, Amund, Eden, Minn. Collapsible bucket. 1,843,164; Feb. 2.
Johnson, Andrew, Edgewater, Colo. Grab hook. 1,860,462; May 31.
Johnson, Andrew O., Lincoln, Nebr. Rotary pump. 1,879,803; Sept. 27.
Johnson, Andrew L., Lucerne, Wash., assignor of one-half to J. N. Johnson, Lewiston, Idaho. Rock drill. 1,842,405; Jan. 26.
Johnson, Andrew S., et al. (See Rosen, Oscar E., assignor.)
Johnson, Anthon G., Gilman, Iowa. Permanently waving hair. 1,845,752; Feb. 16.
Johnson, Anthon G., Gilman, Iowa. Device for permanently waving hair. 1,846,338; Feb. 23.
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Tractor disk harrow. 1,846,489; Feb. 23.
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Rod weeder. 1,854,904; Apr. 19.
Johnson, Arnold E. W., Chicago, Ill., and W. C. Dwyer, Auburn, N. Y., assignors to International Harvester Company. Power driven potato digger. 1,888,504; Nov. 22.
Johnson, Arnold H., and S. M. Welsberg, assignors to Research Laboratories of Natural Dairy Products Corporation, Inc., Baltimore, Md. Treating milk. 1,841,184; Jan. 12.
Johnson, Arthur, Hardin, Mont. Individual watch hanger. Des. 88,793; Dec. 27.
Johnson, Arthur B., Minneapolis, Minn. Tool for surfacing and forming fibrous material. 1,862,681; June 14.
Johnson, Arthur B., Minneapolis, Minn. Feed chain sprocket mounting and drive therefor. 1,870,630; Aug. 9.
Johnson, Arthur E., Oak Park, assignor to Wm. Wrigley, jr. Company, Chicago, Ill. Clutch mechanism. 1,878,523; Sept. 20.
Johnson, Arthur F. (See Johnson, Fredolph, H. W., and A. F.)
Johnson, Arthur W., Litchfield, Nebr. Combined protractor and spirit level. 1,880,145; Nov. 29.
Johnson, Arvid S., Auburn, and H. W. Neunherz, Gardner, assignors to Gem Crib & Cradle Company, Gardner, Mass. Machine for making sheet metal articles. 1,879,285; Sept. 27.
Johnson, Arvid S., Auburn, and H. W., Neunherz, assignors to Gem Crib & Cradle Co., Gardner, Mass. Buffing machine. 1,879,286; Sept. 27.
Johnson Automatic Sealer Co., Ltd. (See Richard, Charles F., assignor.)
Johnson Automatic Sealer Co. (See Richard, Charles F., assignor.)
Johnson Automatic Sealer Co., Ltd. (See Robinson, George A., assignor.)
Johnson, Axel. (See Hatt, A. J., Johnson, and Pryde.)
Johnson, Axel, Oakland, Calif. Can opener. 1,890,731; Dec. 13.
Johnson, Ben P., assignor to E. E. Greiner, Springfield, Ohio. Furrow opener. 1,873,128; Aug. 23.
Johnson, Benjamin J., et al. (See Manuel, Theodore Z., assignor.)
Johnson, Bert, et al. (See Zech, Edward E., assignor.)
Johnson, Boyd M., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Continuous conveyer furnace. 1,887,904; Nov. 15.
Johnson, Boyd M., Metuchen, N. J., and H. P. Kirchner, assignors to The Carborundum Company, Niagara Falls, N. Y. Burner system for finely divided fuels. 1,845,753; Feb. 16.
Johnson Bronze Company. (See Leis, Carl H., assignor.)
Johnson Bronze Company. (See Prentice, Earl, assignor.)
Johnson Bronze Company. (See Sandler, Louis, assignor.)

Johnson Bronze Company. (See Ward, John J., assignor.)
Johnson, Bror A. E., and G. Orström, Alsten, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Arranging oval cigarettes, 1,888,386; Nov. 22.
Johnson, Bror G., Chicago, Ill. Automobile. 1,853,055; Apr. 12.
Johnson, Bror G., Chicago, Ill. Engine cranking mechanism. 1,892,348; Dec. 27.
Johnson Brothers Engineering Corporation. (See Conover, Warren M., assignor.)
Johnson Brothers Engineering Corporation. (See Johnson, Harry L. and L. J., assignors.)
Johnson Brothers Engineering Corporation. (See Johnson, L. J., assignor.)
Johnson Brothers Engineering Corporation. (See Johnson, Louis J. and H. L., assignors.)
Johnson, Bryan G., et al. (See Thomas, William M., assignor.)
Johnson, Burr C., Port Neches, Tex., assignor to The Texas Company, New York, N. Y. Gas igniter. 1,849,528; Mar. 15.
Johnson, Carl. (See Thompson, N., and Johnson.)
Johnson, Carl A., et al. (See Rosen, Oscar E. assignor.)
Johnson, Carl A., Sauk Rapids, Minn. Machine for producing jambs for sash frames. 1,843,604; Feb. 2.
Johnson, Carl A., Oxnard, assignor to Art Metal Construction Company, Jamestown, N. Y. Metal filing cabinet. 1,857,640; May 10.
Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Water-cooled pump head bearing. 1,841,604; Jan. 19.
Johnson, Carl E., Sparrows Point, Md., assignor to Bethlehem Steel Company. Wrapping machine for bale ties. 1,848,254; Mar. 8.
Johnson, Carl E., Coronado, Calif. Grass trimmer for spring system nozzles. 1,857,383; May 10.
Johnson, Carl E., Pasadena, Calif. Rotor for silent motors. 1,861,059; May 31.
Johnson, Carl E., Pasadena, Calif. Motor support for ventilating fans. 1,863,043; June 14.
Johnson, Carl E., Pasadena, Calif. Motor construction. 1,863,533; July 26.
Johnson, Carl V., assignor to Bendix Research Corporation, South Bend, Ind. Airplane. 1,852,116; Apr. 5.
Johnson, Carl W., Shaker Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Steering column bushings. 1,879,287; Sept. 27.
Johnson Chair Company. (See Johnson, Walter J., assignor.)
Johnson, Charles, Cleveland, Ohio. Valve. 1,860,289; May 24.
Johnson, Charles A., Unionville, Conn. Clutch. 1,845,667; Feb. 16.
Johnson, Charles A., Unionville, Conn. Saw set. 1,875,736; Sept. 6.
Johnson, Charles A., Unionville, Conn. Chuck. 1,875,737; Sept. 6.
Johnson, Charles B. (See Dobson, T., and Johnson.)
Johnson, Charles B. (See MacLean, A. D., and Johnson.)
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire straightener. 1,844,579; Feb. 9.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Making wire tape. 1,876,955; Sept. 13.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Stripper for removing coils of wire from a drawing head. 1,888,727; Nov. 22.
Johnson, Charles E., assignor to The Piston Ring Company, Muskegon, Mich. Piston ring expander. 1,850,674; Mar. 22.
Johnson, Charles E., Whitman, assignor to Augustus E. Tuerten, Belmont, Mass. Boot or shoe sole. 1,890,118; Dec. 6.
Johnson, Charles F., Ventura, Calif. Aircraft. 1,864,912; June 28.
Johnson, Charles G., et al. (See Parr, Webster A., assignor.)
Johnson, Charles G., assignor to Pratt & Whitney Company, Hartford, Conn. Gauge. 1,851,283; Mar. 29.
Johnson, Charles H., Sacramento, Calif. Glare shield actuator. 1,846,490; Feb. 23.
Johnson, Charles H., assignor of one-half to Arthur F. Miller, Sacramento, Calif. Pressure maintaining device for pneumatic tires. 1,875,874; Sept. 6.
Johnson, Charles H., Auburndale, Mass., assignor to Fuller Lehigh Company, Fullerton, Pa. Tile for boiler tubes. 1,876,301; Sept. 6.
Johnson, Charles H., Auburndale, Mass., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace bridge wall and cooling means therefor. 1,878,524; Sept. 20.
Johnson, Charles H., and A. E. Miller, Sacramento, Calif. Automobile jack. 1,872,959; Aug. 23.
Johnson, Charles R., Fairfield, and W. E. Thorn, assignors to The Ives Corporation, Bridgeport, Conn. Removable headlight for toy locomotives. 1,858,448; May 17.
Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Cartridge fuse. 1,861,744; June 7.
Johnson, Chester F., deceased, Detroit, Mich.; Detroit and Security Trust Company, executor. Adjusting mechanism. 1,846,204; Feb. 23.
Johnson, Chester F., deceased, Detroit, Mich.; Detroit and Security Trust Company, executor. Carburetor. 1,846,205; Feb. 23.
Johnson, Chester F., Detroit, Mich. Valve construction. 1,854,197; Apr. 19.
Johnson, Chester F., Detroit, Mich. Carburetor. 1,863,161; June 14.
Johnson, Chester F., deceased, by Detroit and Security Trust Co., Detroit, Mich., executor. Thermostatic control. 1,870,253; Aug. 9.
Johnson, Christian E., assignor to Deere & Company, Moline, Ill. Cultivating implement. 1,857,384; May 10.
Johnson, Christian E., assignor to Deere & Company, Moline, Ill. Cultivating implement. 1,870,913; Aug. 9.
Johnson, Clarence, Cleveland, Ohio, assignor to Bailey Meter Company. Fluid pressure responsive device. 1,874,704; Aug. 30.
Johnson, Clarence G., Hartford City, Ind. Window sealing construction. 1,864,355; June 21.
Johnson, Clarence J., Hartford City, Ind. Movable molding for doors and the like. 1,865,968; July 5.
Johnson, Clarence G., Hartford City, Ind. Door. 1,869,347; July 26.
Johnson, Clarence J., Hartford City, Ind. Sealing strip construction. 1,880,254; Oct. 4.
Johnson, Clarence H., Chicago, Ill., assignor, by mesne assignments, to Safety Car & Manufacturing Corporation. Water closet. 1,875,009; Aug. 30.
Johnson, Claude T., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical heating element. 1,842,174; Jan. 19.
Johnson, Clyde R., Princeton, N. J., assignor to Amersil Company, Inc., New York, N. Y. Electric furnace. 1,889,665; Nov. 29.
Johnson, Clyde W., Saugus, and B. Dewey, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Conveyer apparatus. 1,846,258; Feb. 23.
Johnson, Colvin L., St. Louis, Mo., assignor, by mesne assignments, to Liquid Petroleum Company, Chicago, Ill. Spare tire lock. 1,851,313; Mar. 29.
Johnson, Colvin L., assignor, by mesne assignments, to Frank C. Webb, St. Louis, Mo. Lever locking mechanism. 1,866,309; July 5.
Johnson, Conrad B., Eau Claire, Wis. Antislip device. 1,852,751; Apr. 5.
Johnson, Cornelius B., Des Moines, Iowa, assignor to The First Investment Corporation. Clothesline reel. 1,892,276; Dec. 27.
Johnson, Cornelius E., and W. H. Edwards, assignors to Grand Rapids Loose Leaf Binder Company, Grand Rapids, Mich. Loose leaf binder. 1,858,388; Dec. 27.
Johnson, Curt I. (See Bolt, J. C., and Johnson.)
Johnson, Cyrus C., Salina, Kans. Burner. 1,892,238; Dec. 27.
Johnson, David L., Ocean City, Md. Decoy hobble. 1,887,491; Nov. 15.
Johnson, Delbert O., and W. W. Webster, Bloomington, Calif. Pendulum bank and climb indicator for aeroplanes. 1,863,044; June 14.
Johnson, Delmar W., St. Louis, Mo. Folding furniture. 1,846,492; Feb. 23.
Johnson, Dora D., Ouray, Colo. Curtain stretcher. 1,855,968; Apr. 26.
Johnson, E. H. (See Werth, Alfred C., assignor.)
Johnson, Eads, Morristown, N. J. Marine tractor. Re18,610; Sept. 20.
Johnson, Eads, Morristown, N. J. Marine tractor. Des. 87,263; June 28.
Johnson, Earl M., Audubon, Iowa. Trap. 1,890,183; Dec. 6.
Johnson, Earl V., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Overload circuit. 1,881,630; Oct. 11.
Johnson, Earl W. (See Rossi, Joseph P., assignor.)
Johnson, Earle F., New York, N. Y. Window ventilator. 1,857,911; May 10.
Johnson, Edward. (See Hall, F. W., Johnson, and Hall.)
Johnson Edward, New Rochelle, N. Y. Resistance eliminator for aircraft and water craft. Re18,534; July 19.
Johnson, Edward, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y. Toilet brush. Des. 88,236; Nov. 22.
Johnson, Edward, New Rochelle, N. Y. Resistance eliminator for aircraft and water craft. 1,857,960; May 10.
Johnson, Edward D., assignor to Wagner Electric Corporation, St. Louis, Mo. Hydraulic brake mechanism. 1,870,289; Aug. 9.
Johnson, Edward E., Incorporated. (See Johnson, Edward E., assignor.)
Johnson, Edward E., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn. Coupling. 1,849,284; Mar. 15.
Johnson, Edward E., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn. Well screen. 1,858,592; May 17.
Johnson, Edward F., and G. R. Cruze, Danville, Pa. Method and device for stopping and regulating flow from collapsible tubes. 1,859,297; May 24.
Johnson, Edwin A. (See McEvoy, J. H., Humason, and Johnson.)
Johnson, Edwin A. (See McEvoy, J. H., jr., and Johnson.)

Johnson, Edwin B., Pullman, Ill. Clip. 1,851,770; Mar. 29.
Johnson, Eldridge R. F., Moorestown, assignor to Mechanical Improvements Corporation, Camden, N. J. Launching device for life preserver. 1,881,634; Oct. 11.
Johnson, Ellis W. Jamestown, N. Y. Electric foot warmer. 1,860,420; May 31.
Johnson, Elmer, Shelbyville, assignor to J. C. Kepple, trustee, Indianapolis, Ind. Heater. 1,852,117; Apr. 5.
Johnson, Elmina. (See Dordan, A., and Johnson.)
Johnson, Elmo W. Hicksville, assignor to Syracuse Chilled Plow Company, Inc., Syracuse, N. Y. Potato digging machine. 1,872,744; Aug. 23.
Johnson, Elmo W., Hicksville, N. Y. Double-row potato digger. 1,882,636; Oct. 11.
Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Motion transmitting mechanism. 1,892,108; Dec. 27.
Johnson, Erling, assignor to the Firm Odda Smelteverk A/S, Odda, Norway. Manufacturing concentrated fertilizers. 1,876,501; Sept. 6.
Johnson, Elvin H. (See Werth, Alfred C., assignor.)
Johnson, Elvin H., Winnetka, Ill. Door holder. Des. 86,677; Apr. 5.
Johnson, Elvin H., Winnetka, Ill. Builder's hardware. 1,851,630; Mar. 29.
Johnson, Elvin H., Winnetka, Ill. Builder's hardware. 1,851,631; Mar. 29.
Johnson, Elvin H., Winnetka, Ill. Doorstep. 1,881,635; Oct. 11.
Johnson, Eric M., Brooklands, and H. C. Pierson, Hale, England, assignors to Westinghouse Electric and Manufacturing Company. Power system. 1,883,929; Oct. 25.
Johnson, Eric M., Westminster, England, assignor to General Electric Company. Power system. 1,890,320; Dec. 6.
Johnson, Erling, assignor to the Firm Odda Smelteverk A/S, Odda, Norway. Manufacturing fertilizers. 1,859,738; May 24.
Johnson, Ernest G., Chicago, Ill. Toothbrush. 1,861,347; May 31.
Johnson, Ernest H., assignor to The Bullard Company, Bridgeport, Conn. Chip remover and water and dust seal for machine tools. 1,864,097; June 21.
Johnson, Ernest W., London, assignor of one-half to C. Defries, Hove, England. Shock absorber. 1,841,955; Jan. 19.
Johnson, Esther M. (See Buckbeem, C. E., Cochran, and Johnson.)
Johnson, F. W., et al. (See Johnson, George F., assignor.)
Johnson, Fare Box Company. (See Thompson, Ernest H., assignor.)
Johnson, Frances, Brooklyn, N. Y. Textile fabric or similar article of manufacture. Des. 88,469; Nov. 29.
Johnson, Frances, Brooklyn, N. Y. Textile fabric or similar article of manufacture. Des. 88,555; Dec. 6.
Johnson, Francis W. (See Finley, L. G., and Johnson.)
Johnson, Frank. (See de Quincy, A. M., and Johnson.)
Johnson, Frank, Sleepy Eye, Minn. Harvesting machine. 1,850,733; Mar. 22.
Johnson, Frank, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Transmission. 1,888,728; Nov. 22.
Johnson, Frank, and E. G. Schubert, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Clutch lubricating mechanism. 1,856,166; May 3.
Johnson, Frank B., Potomac Beach, Va. Pressure weight for use in connection with cooking utensils. 1,844,509; Feb. 9.
Johnson, Frank E. (See Johnson, Gustaf A. and F. E.)
Johnson, Frank E., assignor to J. I. Paulding, Inc., New Bedford, Mass. Push-snap switch. 1,859,671; May 24.
Johnson, Frank L., Akron, Ohio. Support for drawing boards or the like. 1,848,566; Mar. 8.
Johnson, Frank L., Akron, Ohio. Vulcanizer. 1,863,201; June 14.
Johnson, Frank L., Akron, Ohio. Collapsible tire building form. 1,890,785; Dec. 13.
Johnson, Frank D., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender brace. 1,843,029; Jan. 26.
Johnson, Frederick O., Long Beach, Calif. Oil thief. 1,859,681; Jan. 5.
Johnson, Frederick O., Long Beach, Calif. Automatic overflow control. 1,877,405; Sept. 13.
Johnson, Frederick W., Santa Cruz, Calif. Pool and billiard court. 1,881,387; Oct. 4.
Johnson, Frederick W., assignor to Henry Beinert, M. E. Morse, and C. D. Bullard, Excelsior, Minn. Wrecking implement. 1,875,612; Sept. 6.
Johnson, Fredolph, H. W., and A. F., Little Falls, Minn. Litter remover. 1,857,550; May 10.
Johnson, Fritz R., Providence, R. I. Vanity case. 1,883,793; Oct. 18.
Johnson, George, Los Angeles, Calif. Ash tray. Des. 86,918; May 10.
Johnson, George A., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical fitting. 1,881,318; Oct. 4.
Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Brake beam safety support. 1,866,710; July 12.
Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Toughening steel. 1,874,103; Aug. 30.
Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Process and apparatus for quenching heat treated articles. 1,874,300; Aug. 30.
Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,877,329; Sept. 13.
Johnson, George A., and S. B. Haseltine, assignors to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,877,330; Sept. 13.
Johnson, George F., Logansport, assignor of one-half to F. K. Johnson and T. Russell, De Soto Parish, La. Method and device for cementing oil wells. 1,866,038; July 5.
Johnson, George S., and S. B. Haseltine, Chicago, Ill., assignors to W. H. Miner, Inc. Friction shock absorbing mechanisms. 1,853,720; Apr. 12.
Johnson, George T. (See Spiller, G. A., and Johnson.)
Johnson, George T., Denver, Colo. Fuel intake for internal combustion engines. 1,862,998; June 14.
Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,867,267; July 12.
Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car. 1,869,325; July 26.
Johnson, George T., and A. H. Filander, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Truck for railway cars. 1,853,619; Apr. 12.
Johnson, George W. (See Reese, L. V., and Johnson.)
Johnson, Gladwin E., Chicago, Ill. Toy. 1,853,620; Apr. 12.
Johnson, Gladwin E., Chicago, Ill. Game apparatus. 1,853,900; Apr. 12.
Johnson, Gladwin E., Chicago, Ill. Game apparatus. 1,853,901; Apr. 12.
Johnson, Glen A., assignor to Stant Manufacturing Co., Connersville, Ind. Radiator cap. Des. 86,572; Mar. 22.
Johnson, Glen A., assignor to Stant Manufacturing Company, Connersville, Ind. Radiator ornament. Des. 86,721; Apr. 12.
Johnson, Glen A., assignor to Stant Manufacturing Co., Connersville, Ind. Radiator cap. Des. 87,007; May 24.
Johnson, Glen A., assignor to Stant Manufacturing Company, Connersville, Ind. Radiator cap. Des. 87,925; Oct. 11.
Johnson, Glen A., assignor to Stant Manufacturing Co., Connersville, Ind. Radiator cap. Des. 88,015; Nov. 15.
Johnson, Gunnard E., East Chicago, R. G. Bowman, Gary, and William J. Knox, jr., Hammond, assignors to Anaconda Lead Products Company, East Chicago, Ind. Producing white lead. 1,874,713; Feb. 16.
Johnson, Gustaf A. and F. E., assignors to John I. Paulding, Inc., New Bedford, Mass. Electric lamp receptacle. 1,871,618; Aug. 16.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Pin fastener. 1,859,254; May 17.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket. 1,860,851; May 31.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Multiple operated fastener. 1,869,193; June 28.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member and method of making. 1,870,051; Aug. 2.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making attaching members. 1,871,373; Aug. 9.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener Corporation, Cambridge, Mass. Slide fastener and installation thereof. 1,872,960; Aug. 23.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 1,873,891; Aug. 25.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,873,892; Aug. 23.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Forming and attaching separable fastener elements. 1,891,989; Dec. 27.
Johnson, Gustave A., Irvington, N. J. Electrical cable. 1,841,130; Jan. 12.
Johnson, Gustave A., Irvington, N. J. Electric cable. 1,843,561; Feb. 2.
Johnson, Gustave T., Sheboygan Falls, Wis. Balancing machine. 1,855,897; Apr. 26.
Johnson, Harry. (See Lamb, Walter T., assignor.)
Johnson, Harry D., assignor of one-third to R. D. Kraetsch and one-third to H. Svarrer, Chicago, Ill. Automobile engine cooling system. 1,874,104; Aug. 30.
Johnson, Harry L. (See Johnson, Louis J. and H. L.)
Johnson, Harry L., Waukegan, Ill., and L. J. Johnson, assignors to Johnson Brothers Engineering Corporation, South Bend, Ind. Marine motor. 1,889,964; Dec. 6.
Johnson, Harry O., and M. O'Hare, Donora, Pa., assignors to The American Steel and Wire Company of New Jersey, Tuyère. 1,848,079; Mar. 1.
Johnson, Harry W. (See Johnson, Fredolph, H. W., and A. F.)

Johnson, Harry W., administrator. (See Johnson, Mark E.)
Johnson, Harvey L., and J. E. Treanor, Los Angeles, Calif. Pressure booster tank for carbonating systems. 1,872,462; Aug. 16.
Johnson, Henning. (See Erickson, A. G., and Johnson.)
Johnson, Henning. (See Whitfield, Joseph E., assignor.)
Johnson, Henry, Coventry, England, assignor to The Viscose Company, Marcus Hook, Pa. Spool for yarns or threads. 1,862,405; June 7.
Johnson, Henry G., assignor to Summit Thread Company, East Hampton, Conn. Thread measuring mechanism. 1,868,663; July 26.
Johnson, Henry L., and B. Stockdeth, Niles, Mich., assignors to Hydraulic Pressed Steel Company, Wilmington, Del. Trimming machine for bearing sleeves. 1,848,350; Mar. 8.
Johnson, Herbert B., Larchmont, N. Y. Rubber covered article. 1,890,037; Dec. 6.
Johnson, Hiram W. and L. W., Miami, Fla. Fastener. 1,876,683; Sept. 13.
Johnson, Howard F., assignor to The Champion Machine & Forging Company, Cleveland, Ohio. Automatic forging machine. 1,852,362; Oct. 11.
Johnson, Howard L. (See Painter, L. O., and Johnson.)
Johnson, Ingman J., Los Angeles, Calif. Combined mold and clamp for stringed musical instruments. 1,879,288; Sept. 27.
Johnson, Iver, Burnaby, British Columbia, Canada. Direction indicator. 1,848,424; Feb. 23.
Johnson, J. P., Engineering Company, The. (See Johnson, James P., assignor.)
Johnson, James N. (See Johnson, Andrew L., assignor.)
Johnson, James P., Cleveland, Ohio. Coupling for transmission gearing. 1,884,676; Oct. 25.
Johnson, James P., assignor to The J. P. Johnson Engineering Company, Cleveland, Ohio. 1,844,471; Feb. 9.
Johnson, James P., assignor to The J. P. Johnson Engineering Company, Cleveland, Ohio. Transmission gearing. 1,855,679; Apr. 26.
Johnson, James P., assignor to The J. P. Johnson Engineering Company, Cleveland, Ohio. Coupling. 1,862,220; June 7.
Johnson, James P., assignor to The J. P. Johnson Engineering Company, Cleveland, Ohio. Hoist. 1,876,954; Sept. 13.
Johnson, James P., Cleveland Heights, assignor to The J. P. Johnson Engineering Company, Cleveland, Ohio. Variable speed gearing. 1,855,680; Apr. 26.
Johnson, Jeners, Los Angeles, Calif. Rotary drill. 1,885,266; Nov. 1.
Johnson, John, Maplewood, N. J. Turbine blender and the like. 1,866,535; July 12.
Johnson, John A., Woodhaven, N. Y. Method and apparatus for assembling linings in receptacle closure caps. 1,852,578; Apr. 5.
Johnson, John A., Woodhaven, N. Y. Apparatus for assembling receptacle closures. 1,869,480; Aug. 2.
Johnson, John A., Woodhaven, N. Y. Apparatus for assembling receptacle closures. 1,875,010; Aug. 30.
Johnson, John A., Crawfordsville, Ind. Apparatus for recreating water softening materials. 1,867,572; July 19.
Johnson, John A., assignor to National Supply and Service Corporation, Crawfordsville, Ind. Flue spark screen. 1,879,289; Sept. 27.
Johnson, John C. Glen Cove, N. Y. Acoustic device. 1,857,641; May 10.
Johnson, John C., North Easton, Mass. Erecting strip for building materials. 1,870,011; Aug. 2.
Johnson, John E. (See Farrell, D. A. and Johnson.)
Johnson, John E., assignor to Addretok Co., Chicago, Ill. Device for recording sales transactions. 1,855,398; Apr. 26.
Johnson, John E., assignor to Addretok Co., Chicago, Ill. Device for recording sales transactions. 1,887,555; Nov. 15.
Johnson, John F., Blaine, assignor of one-half to C. K. McMillin, Bellingham, Wash. Device for cutting off the edible portions of vegetables. 1,860,779; May 31.
Johnson, John F., and R. B. Lawton, assignors to Weber Costello Co., Chicago Heights, Ill. Portable blackboard. 1,881,636; Oct. 11.
Johnson, John K., Hartsdale, N. Y., assignor to Hazeltine Corporation. High-frequency coupling system. 1,855,054; Apr. 19.
Johnson, John K., Hartsdale, N. Y., assignor to Hazeltine Corporation. High frequency transformer. 1,855,055; Apr. 19.
Johnson, John K., Rye, N. Y., assignor to Hazeltine Corporation. Radio receiving apparatus. 1,883,794; Oct. 18.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Right angle milling and boring attachment for milling machines. 1,878,707; Sept. 20.
Johnson, John S., Luling, Tex. Spear. 1,875,011; Aug. 30.
Johnson, John W., Chicopee, Mass. Necktie device. 1,890,684; Dec. 13.
Johnson & Johnson. (See Dailey, Frank L., assignor.)
Johnson & Johnson. (See Hayden, R. P., and Manley, assignors.)
Johnson & Johnson. (See Kenyon, William J., assignor.)
Johnson & Johnson. (See L'Hommedieu, Paige B., assignor.)
Johnson & Johnson. (See Mathey, Gustave S., assignor.)
Johnson & Johnson. (See Mathey, G. S., and Slotter, assignors.)
Johnson & Johnson. (See Ritter, William H., assignor.)
Johnson, Joseph. (See Wilson, L. A., and Johnson.)
Johnson, Joseph B. (See Pemberton, U. C., and Johnson.)
Johnson, Joseph E. (See Harpster, H. W., and Johnson.)
Johnson, Joseph N., Irwin, Calif. Wrench. 1,866,771; July 12.
Johnson, Joseph S., Collinston, Utah. Hayfork. 1,876,422; Sept. 6.
Johnson, Junius R., Redlands, Calif. Directional signal for vehicles. 1,854,089; Apr. 19.
Johnson, Karl E., assignor to Boston Gear Works, Inc., Quincy, Mass. Compound speed reducer. 1,890,685; Dec. 13.
Johnson, Karl G., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Switching arrangement for automatic telephone systems. 1,845,604; Feb. 16.
Johnson, Kenneth S., Saylesville, R. I. Registering device. 1,859,078; Mar. 22.
Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)
Johnson, Lambert D., and N. F. True, assignors to Mead Johnson & Company, Evansville, Ind. Powdered protein milk and preparing same. 1,882,637; Oct. 11.
Johnson, Lambert D., and N. F. True, assignors to Mead Johnson & Company, Evansville, Ind. Powdered acid milk and preparing same. 1,882,638; Oct. 11.
Johnson, Lane. (See Biggert, F. C., jr., Johnson, and Talbot.)
Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling sheet. 1,850,759; Jan. 19.
Johnson, Laureuce B., Spruce Lake, Saskatchewan, Canada. Lock nut and bolt. 1,879,290; Sept. 27.
Johnson, Lawrence E., Melrose, and E. C. Leach, West Peabody, Mass., assignors to Lynn Products Co., Lynn, Mass. Fuel oil burner. Re18,464; May 17.
Johnson, Le Baron B., assignor to Oakite Products, Inc., New York, N. Y. Portable apparatus for removing surface coatings. 1,842,099; Jan. 19.
Johnson, Leonard W., Batavia, Ill. Extension pilot for reamers. 1,856,708; May 3.
Johnson, Leonard W., Batavia, Ill. Chuck. 1,862,856; June 14.
Johnson, Lewis H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,851,815; Mar. 29.
Johnson, Lewis H., Madison, and E. S. Gibson, Ridgewood, N. J., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Charging telephone exchange system. 1,859,924; May 24.
Johnson, Lewis W. (See Johnson, Hiram W. and L. W.)
Johnson, Lloyd E., assignor to Aluminum Goods Manufacturing Co., Manitowoc, Wis. Kite. 1,864,197; June 21.
Johnson, Lloyd E., A. B. Winchell, F. W. Hardick, and F. W. Billig, assignors, by mesne assignments, to The Sparks-Withington Company, Jackson, Mich. Phonograph. 1,879,291; Sept. 27.
Johnson, Louis J. (See Johnson, Harry L. and L. J.)
Johnson, Louis J., assignor to Johnson Brothers Engineering Corporation, South Bend, Ind. Shock absorbing device for outboard motor drives. 1,886,191; Nov. 1.
Johnson, Louis J., South Bend, Ind., and H. L. Johnson, Waukegon, Ill., assignors, by mesne assignments, to Johnson Brothers Engineering Corporation, South Bend, Ind. Outboard motor assembly. 1,890,879; Dec. 13.
Johnson, Louis M. Concord, Calif. Toothpick holder. 1,850,559; Mar 22.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Floor rack holding means. 1,842,177; Jan. 19.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Floor rack supporting means. 1,846,425; Feb. 23.
Johnson, Malcolm S., assignor to Transerv Corporation, Chicago, Ill. Buffer-stem wear plate adjuster. 1,862,857; June 14.
Johnson, Malcolm S., assignor to Transerv Corporation, Chicago, Ill. Brake slack adjuster. 1,865,766; July 5.
Johnson, Malcolm S., Chicago, Ill., assignor, by mesne assignments, to Illinois Railway Equipment Company. Brake hanger. 1,874,105; Aug. 30.
Johnson, Manton H. St. Louis, Mo. Signaling device. 1,868,576; July 26.
Johnson, Mark E., deceased, Harrisburg, assignor of one-half to T. W. Cohill, Mt. Holly Springs, Pa.; H. W. Johnson, administrator. Automatic switch. 1,850,549; Mar. 22.
Johnson, Martin E., Chicago, assignor of one-half to I. J. Wilson, Winnetka, Ill. Pipe bender. 1,844,253; Feb. 9.
Johnson, Marvea, Forest City, Iowa. Spoon or similar article. Des. 87,637; Aug. 23.
Johnson Matthey & Company, Limited. (See Powell, A. R., and Deering, assignors.)
Johnson Metal Products Co. (See Johnson, Theodore, assignor.)

Johnson, Milton C., Company. (See Donshkess, William N., assignor.)

Johnson, Nathan C., Englewood, N. J. Tap surface of concrete and the like and forming the same. 1,857,511; May 10.

Johnson, Nathan C., Englewood, N. J. Joint for tubular concrete members and the like. 1,869,105; July 26.

Johnson & Nierk, Inc. (See Wierk, Frederick, assignor.)

Johnson, Olaf A., and R. E. Lingren, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Cylinder finishing tool. 1,869,377; Aug. 2.

Johnson, Orville C., Aurora, Ill. Closure for buildings. 1,841,185; Jan. 12.

Johnson, Oscar, Verdugo City, Calif. Doorcheck. 1,851,101; Mar. 29.

Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Water softener. 1,873,594; Aug. 23.

Johnson, Paul E., Chicago, Ill., assignor, by mesne assignments, to Wendell Phillips Dabney, Cincinnati, Ohio. Therapeutic lamp. 1,842,100; Jan. 19.

Johnson, Peder D., Fort Dodge, Iowa. Barrel head setting machine. 1,850,882; Mar. 22.

Johnson, Peter A., Portland, Oreg. Electric water heater. 1,850,355; Apr. 5.

Johnson, Philip H., Hounslow, assignor to Roadless Traction, Limited, Hounslow, Middlesex, England. Pneumatic tire. 1,862,269; June 7.

Johnson, Raymond C., Chicago, Ill. Pattern maker's dowel. 1,885,204; Nov. 1.

Johnson, Reginald H., Maplewood, N. J., assignor to American Hair & Felt Company, Chicago, Ill. Gun wad material. 1,857,281; May 10.

Johnson, Reginald H., Maplewood, N. J., assignor to American Hair & Felt Company, Chicago, Ill. Making gun wad material. 1,872,745; Aug. 23.

Johnson, Richard B., Chicago, Ill. Aircraft construction. 1,857,111; Nov. 9.

Johnson, Richard J., assignor of one-half to W. Johnson, Langdon, Minn. Lock. 1,886,402; Nov. 8.

Johnson, Robert O., Seattle, Wash. Electrical appliance. 1,882,385; Oct. 11.

Johnson, Robert H. (See Johnson, Alfred and R. H.)

Johnson, Roy H., Washington, D. C. Nut lock. 1,858,709; May 17.

Johnson, Robert W., Minneapolis, Minn. Journal box packing retainer. 1,879,804; Sept. 27.

Johnson, Ross H., Chicago, Ill. Adjustable and removable metatarsal pad. 1,866,598; July 12.

Johnson, Roy W. (See Gauger, F. A., and Johnson.)

Johnson, Roy W., Minneapolis, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control for burners. 1,853,431; Apr. 12.

Johnson, Roy W., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control device for gas burners. 1,872,147; Aug. 16.

Johnson, Roy W., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel regulating device for gas ovens. 1,881,637; Oct. 11.

Johnson, Roy W., Elkhart, Ind., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Thermostat assembly. 1,881,638; Oct. 11.

Johnson, Roy W., Columbus, assignor, by mesne assignments, to The Corcoran-Brown Lamp Company, Cincinnati, Ohio. Traffic observing instrument. 1,883,296; Oct. 18.

Johnson, Ruben E., Seattle, Wash. Balancing machine. 1,873,411; Aug. 23.

Johnson, Rudolph, Chicago, Ill. Utilizing thermionic tubes having open filaments. 1,873,711; Aug. 23.

Johnson, Russell W., Wildwood, assignor of three-fifteenths to W. L. Chiles, Union Mills, three-fifteenths to W. E. Wright, Richmond, three-fifteenths to L. L. Chiles, Keswick, and three-fifteenths to R. H. Chiles, Louisa, Va. Dial telephone attachment. 1,850,550; Mar. 22.

Johnson, S. C., & Son. (See Beach, Chester H., assignor.)

Johnson, Samuel J., assignor to The Seinsheimer Paper Company, Cincinnati, Ohio. Garment bag. 1,876,238; Sept. 6.

Johnson, Samuel J., assignor to The Seinsheimer Paper Company, Cincinnatai, Ohio. Hat delivery container. 1,885,209; Nov. 1.

Johnson, Samuel S. (See Schang, Albert E., assignor.)

Johnson, Samuel S., Harrisburg, Pa. Meter protector. 1,889,805; Dec 6.

Johnson Service Company. (See Otto, Arthur J., assignor.)

Johnson, Sidney P., San Francisco, and P. S. Williams, Palo Alto, Calif., deceased, by mesne assignments, to The People of the United States. Method and apparatus for preventing fire hazards in operating upon and cleaning containers of inflammable liquids or gases. 1,849,932; Mar. 15.

Johnson, Sigurd N., assignor to Delco-Remy Corporation, Anderson, Ind. Armature winding tool. 1,842,832; Jan. 26.

Johnson, Sigurd N., assignor to Delco-Remy Corporation, Anderson, Ind. Abrading apparatus. 1,873,129; Aug. 23.

Johnson, Sigurd N., and C. E. Birch, assignors to Delco-Remy Corporation, Anderson, Ind. Assembling apparatus. 1,856,768; May 3.

Johnson, Sigurd W. L., et al. (See Robertson, Henry M., assignor.)

Johnson, Stanley G., Grosse Pointe Village, Mich. Loose leaf binder. 1,889,962; Dec. 6.

Johnson Steel & Wire Company. (See Johnson, Charles D., assignor.)

Johnson, Stephen, jr. (See McCune, J. C., and Johnson.)

Johnson, Stephen, jr., Pittsburgh, Pa., R. L. Morrison and A. R. Leukhardt, Detroit, Mich., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Tire inflation device. 1,865,110; June 28.

Johnson, Stephens and Shinkle Shoe Company. (See Frost, Myron O., assignor.)

Johnson-Stephens & Shinkle Shoe Company. (See Mattler, Peter, assignor.)

Johnson, Stephens & Shinkle Shoe Company. (See Spalsbury, C. B., and Mattler, assignors.)

Johnson, Stuart, Congleton, England, assignor to H. C. Edmiston, New York, N. Y. Plate or similar article. Des. 86,722; Apr. 12.

Johnson, Stuart, Congleton, England, assignor to H. C. Edmiston, New York, N. Y. Covered dish or similar article. Des. 86,723; Apr. 12.

Johnson, Sylvester A., North Providence, assignor to A. E. R. Speidel, Edgewood, R. I. Clasp. 1,852,462; Apr. 5.

Johnson, Sylvester A., North Providence, assignor to A. E. R. Speidel, Edgewood, R. I. Clasp for bracelet straps. 1,859,365; May 24.

Johnson, Sylvester A., North Providence, assignor to A. E. R. Speidel, Edgewood, R. I. Connecter for bracelets. 1,861,700; June 7.

Johnson, Sylvester A., North Providence, assignor to A. E. R. Speidel, Edgewood, R. I. Clasp. 1,864,356; June 21.

Johnson, Sylvester A., North Providence, assignor to Albert E. R. Speidel, Edgewood, R. I. 1,874,538; Aug. 30.

Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Closure fastener for casement windows. 1,841,186; Jan. 12.

Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Closure fastener. 1,841,187; Jan. 12.

Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Operator for casement windows. 1,841,188; Jan. 12.

Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Casement operator. 1,841,247; Jan. 12.

Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Window screen. 1,853,227; May 10.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 1,846,059; Feb. 23.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 1,886,691; Nov. 8.

Johnson, Thomas E., Galesburg, Ill. Weight sticker tube. 1,844,285; Feb. 9.

Johnson, Thomas N., Rome, N. Y. Envelope opener. 1,864,830; June 28.

Johnson, Thomas W., Mountain View, Calif. Apparatus for treating fruit trees. 1,864,198; June 21.

Johnson, Verner A. (See Schofield, J. C., and Johnson.)

Johnson, Vivion A., assignor to Supreme Instruments Corporation, Greenwood, Miss. Multiple contact plug. 1,886,959; Nov. 8.

Johnson, Wallace C., Morristown, N. J., assignor to The Flykrome Corporation, New York, N. Y. Manufacture of composite metal sheets. 1,886,615; Nov. 8.

Johnson, Wallace D., Beloit, Wis., and W. L. Hartnell, New York, N. Y., assignors to Yates-American Machine Company, Beloit, Wis. Feeder for woodworking machines. 1,869,593; Aug. 2.

Johnson, Walter. (See Johnson, Richard J., assignor.)

Johnson, Walter. East Auburn, Me. Tire chain tightener. 1,885,603; Nov. 1.

Johnson, Walter E. (See Smith, Elmer H., assignor.)

Johnson, Walter E., Clovis, N. Mex. Christmas greeting cigar wrapper. 1,874,416. Aug. 30.

Johnson, Walter J., assignor to Johnson Chair Company, Chicago, Ill. Armchair. 1,874,539; Aug. 30.

Johnson, Walter S. Calculating machine. 1,886,883; Nov. 5.

Johnson, Warren V., and R. C. Kepner, Berwick, Pa., assignors to The American Car and Foundry Company, New York, N. Y. Mine car coupling. 1,876,239; Sept. 6.

Johnson, Warren V., and R. C. Kepner, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Mine car. 1,876,241; Sept. 6.

Johnson, Welton V., and M. R. Feldmann, Nutley, N. J., assignors to Westinghouse Electric and Manufacturing Company. Flashover relay. 1,852,134; Apr. 5.

Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Velocipede. 1,856,255; May 3.

Johnson, William D., Miller, S. Dak. Clock. 1,891,281; Dec. 20.

Johnson, William E., assignor to Rand McNally & Company, Chicago, Ill. Altitude finder. 1,852,656; Apr. 5.

Johnson, William E., assignor to Rand McNally & Company, Chicago, Ill. Celestial globe. 1,853,059; Apr. 12.

Johnson, William E., assignor to Rand McNally & Company. Chicago, Ill. Star finder. 1,873,595; Aug. 23.

Johnson, William H., Arlington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for feeding sheet material. 1,887,645; Nov. 15.

Johnson, William M., Mobile, Ala. Deep sea tong. 1,862,539; June 14.

Johnson, William T., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 57,694; Aug. 30.

Johnson, William V., Washington, D. C. Bookholder. 1,832,639; Oct. 11.

Johnson's, Iver, Arms and Cycle Works. (See Mayer, Emil M., assignor.)

Johnson's, Iver, Arms and Cycle Works. (See Van Guelpen, Louis J., assignor.)

Johnsson, Emil T., Chicago, Ill. Temperature controlling apparatus. Re18,345; Feb. 2.

Johnston, Alan C., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing resin acid esters. 1,840,395; Jan. 12.

Johnston, Alan T. (See Butler, C. W., and Johnston.)

Johnston, Allan T., Mount Lebanon, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,841,816; Jan. 19.

Johnston, Allan T., Mount Lebanon, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,877,513; Sept. 13.

Johnston, Archibald W. (See Waite, Charles P., assignor.)

Johnston, Arthur D., Pampa, Tex. Controlling the liquid level in containers. 1,857,051; May 3.

Johnston, Arthur J., Aldan, Pa., assignor to General Electric Company. Ticket issuing machine. 1,858,049; May 10.

Johnston, Ben H., et al. (See Davis, Donald P., assignor.)

Johnston, Ben H. (See Stukes, Horace A.)

Johnston, Charles F. (See Samantas, Nicholas, assignor.)

Johnston, Clarence L., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Selecting register. 1,867,544; July 12.

Johnston, Clarence L., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Dry plate process printing. 1,886,817; Nov. 8.

Johnston, Clarence L., Hillsborough, and M. M. Cohn, Los Gatos, Calif. Rotary visible index apparatus and card. 1,879,620; Sept. 27.

Johnston, Clarence S., Amarillo, Tex. Expansible piston. 1,890,511; Dec. 13.

Johnston, David. (See Haggerty, J., and Johnston.)

Johnston, David R., Detroit, Mich. Polishing tool. 1,857,594; Aug. 2.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor hitch. 1,846,491; Feb. 23.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Cotton picker spindle. 1,859,144; May 17.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor. 1,878,855; Sept. 13.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Cotton picker. 1,888,505; Nov. 22.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Cotton picker. 1,888,506; Nov. 22.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Mower guard. 1,891,990; Dec. 27.

Johnston, Edward A., and M. J. Mitchell, Chicago, Ill., assignors to International Harvester Company. Harvester-thresher. 1,835,507; Dec. 22.

Johnston, Edward A., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Harvester-thresher. 1,840,779; Jan. 12.

Johnston, Edward F., Wilmington, Del. Coating material. 1,892,576; Dec. 27.

Johnston, Edwin S., Eagle Rock, Calif. Pie plate washing machine. 1,839,762; Jan. 5.

Johnston Formation Testing Corporation. (See Johnston, Morton O., assignor.)

Johnston, Harry A., Redlands, assignor to Johnston Tractors Company, Ltd., Los Angeles, Calif. Traction means for vehicle wheels. 1,840,779; Jan. 12.

Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Mixing machine. 1,849,094; Mar. 15.

Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 1,851,583; Mar. 29.

Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 1,851,584; Mar. 29.

Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Mixing machine. 1,878,149; Sept. 20.

Johnston, Howard M., and J. T. Brown, Toronto, Ontario, assignors to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Quick release coupling. 1,843,230; Feb. 2.

Johnston, Ira J., Sac City, Iowa. Barber's sterilizer. 1,868,904; July 26.

Johnston, James G., Attleboro, Mass. Collapsible tube. 1,869,594; Aug. 2.

Johnston, James W., assignor to Lacene Manufacturing Company, Manchester, N. H. Grading machine. 1,852,720; Apr. 5.

Johnston, John A., Provo, Utah. Trap nest. 1,891,161; Dec. 13.

Johnston, John, and F. Ablard, Norton-on-Tees, England, assignors to Imperial Chemical Industries Ltd. Descaling of tubes. 1,891,820; Dec. 20.

Johnston, John D. (See Townsend, B., and Johnston.)

Johnston, Jordie J., Abilene, Tex. Device and apparatus for cleaning tanks and the like. 1,889,603; Nov. 29.

Johnston, Joseph, Modesto, Calif. Cigarette holder. Des. 56,086; Jan. 26.

Johnston, Joseph H., Port Angeles, Wash. Washer. 1,858,894; May 17.

Johnston, Joshua H., Baltimore, Md. Safety backstop for motor driven vehicles. 1,846,259; Feb. 23.

Johnston, Joshua H., Baltimore, Md. Reverse movement locking device for automobiles. 1,849,901; Mar. 15.

Johnston, Leslie C., Seattle, Wash., and Mary Amatalla. Insectproof screen means for windows or doors. 1,887,646; Nov. 15.

Johnston, Mordica O., Los Angeles, Calif., assignor to Johnston Formation Testing Corporation, Ltd. Oil well testing device. 1,842,270; Jan. 19.

Johnston, Philip J. (See Hardy, C. V., and Johnston.)

Johnston, Philip J., Schenectady, N. Y., assignor to General Electric Company. Photo-electric tube. 1,852,808; Apr. 5.

Johnston Pressed Gear Co. (See Sharp, Allen W., assignor.)

Johnston, Robert M., and A. McLachlan, Huntington, W. Va. High tension insulator. 1,851,671; Mar. 29.

Johnston, Robert N., Lindsborg, Kans. Article exchange mechanism. 1,864,913; June 28.

Johnston Tractors Company. (See Johnston, Harry A., assignor.)

Johnston, Wayburn E., Minneapolis, Minn. Reverse blast oil burner. 1,853,277; Apr. 12.

Johnston, William A., Los Angeles, Calif., assignor of one-half to S. B. Penick & Co., Chicago, Ill. Combined soft collar stiffener and tie support. 1,865,915; July 5.

Johnston, William H., Chicago, Ill. Carpenter's bench. 1,849,675; Mar. 15.

Johnston, William S., Akron, Ohio. Radio distance or location finder. 1,890,786; Dec. 13.

Johnston, William V., assignor of one-half to Louis S. Witte, San Benito, Tex. Quick opening and sealing attachment. 1,874,540; Aug. 30.

Johnston, William V., Casper, Wyo. Incinerator. 1,871,614; Aug. 16.

Johnstone, Carleton, San Mateo, Calif. Doorlock. 1,877,331; Sept. 13.

Johnstone, Harold G., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Perforating apparatus. 1,881,639; Oct. 11.

Johnstone, Harold G., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tabulating system. 1,881,640; Oct. 11.

Johnstone, Ralph C., and J. S. Phillips, assignors to The Harland Engineering Company of Canada Limited, Montreal, Quebec, Canada. Tension regulating means for winding machines. 1,891,790; Dec. 20.

Johnstone, Robert M. (See Cameron, J. A., and Johnstone.)

Jokseh, Rudolf, Vienna, Austria. Weighing apparatus with a load balancing lever. 1,864,831; June 28.

Jokubaitis, Damian, Detroit, Mich. Ventilating window lock. 1,870,332; Aug. 9.

Jolibois, Pierre, Paris, and G. Chaudron, Lille, France. Preparation of a chloro-phosphate of lead. 1,885,447; Nov. 1.

Joline, Emmet A., Drexel Hill, Pa., assignor to The S. S. White Dental Manufacturing Company. Flexible shaft and casing assembly. 1,875,385; Aug. 16.

Jöllenbeck, Eduard, Berlin, Germany. Stay-bolt connection for fire-boxes of boilers. 1,854,038; Apr. 12.

Jolley, Edward H., Elizabeth, assignor of one-half to H. M. Friend, Newark, N. J. Refrigerating device. 1,853,060; Apr. 12.

Jolley, John E. (See Baumann, K., and Jolley.)

Jolley, Thomas M., Oskaloosa, Iowa. Vise. 1,865,916; July 5.

Jolly, William W., Minneapolis, Minn. Combination ash tray and paper weight. Des. 87,522; Aug. 9.

Jonas, Julius, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Ground detecting electric circuits. 1,856,916; May 3.

Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Apparatus for the ignition of mercury vapor rectifiers. 1,873,963; Aug. 30.

Jonas, Julius, Baden, and E. Kern, Wettingen, near Baden, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Method and apparatus for preventing back-fires in metal vapor rectifiers. 1,845,841; Feb. 16.

Jonas, Julius, Baden, Switzerland, and S. Rump, Boston, Mass., assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rectification of electric current. 1,873,962; Aug. 30.

Jones, Albert E., assignor to The Whitehead Torpedo Company Limited, Westminster, England. Calculating and similar machine. 1,857,642; May 10.

Jones, Alfred E., Spokane, Wash. Eyeglasses. 1,856,163; May 3.

Jones, Alfred E., Spokane, Wash. Visual lens. 1,873,708; Sept. 20.

Jones, Alfred T., Detroit, Mich., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,873,556; Sept. 20.

Jones, Allan B. (See Cameron, F. S., and Jones.)

Jones, Allan H., Trenton, N. J. Grinding device. 1,874,301; Aug. 30.

Jones, Andrew U., Montreal, Quebec, Canada. Humidifying radiator. 1,876,142; Sept. 6.

Jones, Andrew U., Montreal, Quebec, Canada. Humidifying radiator. 1,886,192; Nov. 1.

Jones, Arthur E. (See Kerr, P. W., and Jones.)

Jones, Arthur B., Conawanda, N. Y., assignor to Henry Weis Manufacturing Company, Inc. Construction unit. 1,873,417; Aug. 23.

Jones, Barton, Los Angeles, Calif. Flow-meter construction. 1,858,399; May 17.

Jones, Benjamin F., Red Hill, Pa. Christmas tree ornament support. 1,841,028; Jan. 12.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,843,769; Feb. 2.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Antifreezing tip for starters. 1,854,039; Apr. 12.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,877,667; Sept. 13.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Controlling a power switch. 1,879,292; Sept. 27.

Jones, Benjamin W., and C. F. Carpenter, Schenectady, N. Y., assignors to General Electric Company. Electrical contact. 1,849,837; Mar. 15.

Jones, Bernard E., Monessen, Pa. Game. 1,850,675; Mar. 22.

Jones, Bradley, Cincinnati, Ohio. Ground speed indicator. 1,881,162; Oct. 4.

Jones, Carl G., Wilkinsburg, and L. R. Smith, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Pipe welding device. 1,851,317; Mar. 29.

Jones, Carl P., et al. (See McCraken, Peter B., assignor.)

Jones, Carl P., Grass Valley, Calif. Adjustable traction ankle splint. 1,850,448; Nov. 1.

Jones, Charles C., Meridian, Miss. Automobile mirror. 1,871,615; Aug. 16.

Jones, Charles Bradford, England. Power operated valve opening and closing apparatus. 1,864,653; June 28.

Jones, Charles H., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,882,500; Oct. 11.

Jones, Charles L. (See Killeffer, D. H., and Jones.)

Jones, Charles L. (See Rust, R. R., and Jones.)

Jones, Charles L., Pittsburgh, Pa. Manufacture of carbon dioxide. 1,864,068; June 21.

Jones, Charles L., Pittsburgh, Pa., assignor to Dryice Corporation of America, New York, N. Y. Method and apparatus for making dry carbon dioxide products. 1,873,615; Aug. 23.

Jones, Charles L., Pittsburgh, Pa., assignor to Dryice Corporation of America, New York, N. Y. Apparatus for and method of freezing carbon dioxide. 1,877,180; Sept. 13.

Jones, Charles L., Pelham, and W. L. Kuehnle, Garden City, assignors to Dryice Corporation of America, New York, N. Y. Storage house. 1,863,484; June 14.

Jones, Charles L., Pelham, and J. D. Small, Douglaston, N. Y., assignors to Dryice Equipment Corporation, New York, N. Y. Contact freezing apparatus and method. 1,873,130; Aug. 23.

Jones, Charles L., Pelham, N. Y., and H. S. McIlvain, Belleville, N. J., assignors to Dryice Equipment Corporation, New York, N. Y. Refrigerating and display apparatus and method. 1,882,640; Oct. 11.

Jones Chemical Company. (See Jones, C. W., and Grebe, assignors.)

Jones, Clarence M., assignor of three-eighths to B. F. Cahoon, three-eighths to L. Steinberg, one-sixteenth to E. L. Steveas, and one-sixteenth to N. M. Leake, Tulsa, Okla. Storing and dispensing container and cap therefor. 1,842,674; Jan. 26.

Jones, Clarence M., assignor of three-eighths to B. F. Cahoon and three-eighths to L. Steinberg, Tulsa, Okla. Closure cap. 1,877,882; Sept. 20.

Jones, Clarence S., Chicago, Ill. Paste dispenser. 1,854,497; Apr. 19.

Jones, Clifford C., Washington, D. C. Airplane. Des. 88,726; Dec. 20.

Jones, Coulter W., McDade, La., assignor to The Dow Chemical Company, Midland, Mich. Making bromides. 1,863,375; June 14.

Jones, Coulter W., McDade, La., and J. J. Grebe, Midland, Mich., assignors to Jones Chemical Company, Incorporated, McDade, La. Extraction of iodine. 1,853,621; Apr. 12.

Jones, Daniel L., Orange, assignor to J. H. Balmer Co., Newark, N. J. Fixture supporting wedge. 1,857,050; May 3.

Jones, David, assignor to Scovill Manufacturing Company, Waterbury, Conn. Effecting a reverse movement of clutch-controlled shaft. 1,860,143; May 24.

Jones, David C. P., Polmont, Scotland, R. F. Thomson, Carlisle, England, and J. Thomas, Polmont, Scotland, assignors to Imperial Chemical Industries Limited. Coloring matters and intermediates of the benzanthrone series. 1,885,449; Nov. 1.

Jones, Donald C., et al. (See Prizer, Eugene L., assignor.)

Jones, Donald C., et al. (See Prizer, Eugene L., and J. A., assignors.)

Jones, Earl E., Glendora, Calif. Furrowing machine. 1,842,175; Jan. 19.

Jones, Edmund A. (See Myerson, S., and Jones.)

Jones, Edward C., Hagerstown, Wash. Spaceband rail for typesetting machines. 1,884,977; Oct. 25.

Jones, Edward G., Vereeniging, Transvaal, Union of South Africa. Pipe molding apparatus. 1,876,768; Sept. 6.

Jones, Edwin W. (See Hall-Brown, A., and Jones.)

Jones, Ellis L., Long Island City, assignor, by mesne assignments, to American Seal-tone Corporation, New York, N. Y. Receptacle closing and sealing means. 1,871,701; Aug. 16.

Jones, Elmer M. (See Green, M., and Jones.)

Jones, Elmer M., assignor to C. K. Anneberg, Atlanta, Ga. Apparatus for vending packaged materials. 1,845,919; Feb. 16.

Jones, Elmer M., assignor to Parker Rust-Proof Company, Detroit, Mich. Preparation of surfaces for coating. 1,869,505; May 31.

Jones, Elmore B. (See Baker, Harold U., assignor.)

Jones, Emil J., assignor to Jamestown Metal Desk Company, Jamestown, N. Y. Metal cabinet. 1,880,392; Oct. 4.

Jones, Emory E., assignor to Winding Gulf Collieries, Bluefield, W. Va. Coal briquetting machine. 1,873,596; Aug. 23.

Jones, Emory E., assignor to Winding Gulf Collieries, Bluefield, W. Va. Briquette press. 1,879,293; Sept. 27.

Jones, Ernest B. (See Clark, G. J., and Jones.)

Jones, Ernest B., South Weymouth, assignor to National Fireworks, Inc., West Hanover, Mass. Release for aerial flares. 1,831,407; Aug. 9.

Jones, Ernest L. (See Shaw, H., and Jones.)

Jones, Everett R., Wyandotte, Mich., assignor, by mesne assignments, to J. J. Scheibel. Automobile bumper. Re18,519; July 12.

Jones, Francis C. E., Hounslow, England. Rotary press and the like. 1,887,747; Aug. 23.

Jones, Francis J. S., Porthcawl, Wales. Liquid fuel pumping apparatus. 1,892,529; Dec. 27.

Jones, Frank, assignor of one-half to E. F. White, Williamsburg, Ky. Shoe dye drier. 1,884,978; Oct. 25.

Jones, Frank C., Parma, Ohio. Cigarette holder. 1,851,641; Oct. 11.

Jones, Frank D. and H. Moschel, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Cornstalk cutter. 1,877,747; Aug. 23.

Jones, Frank H., Upper Sandusky, Ohio. Clutch. 1,886,193; Nov. 1.

Jones, Frank L. (See Fink, Colin G.)

Jones, Frank S., Lynn, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Leather working machinery. 1,860,713; May 31.

Jones, Fred, et al. (See Vallendor, Max L., assignor.)

Jones, Fred A., and W. H. Hartman, assignors to Jones and Hartman, Inc., Canton, Ohio. Pulverized coal feeder. 1,862,752; June 14.

Jones, Frederick G., Clifton Bristol, England. Tellurian. 1,863,600; June 21.

Jones, Frederick R., Chicago, Ill. Garbage and refuse incinerator. Re18,622; Oct. 18.

Jones Gas Process Corporation. (See Jones, Leon B., assignor.)

Jones, George D., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Implement. 1,869,376; Aug. 2.

Jones, George L., and J. H. Buckman, Buffalo, N. Y., assignors to The Linde Air Products Company. Blowpipe apparatus and method of cutting metal. 1,861,925; June 7.

Jones, George L., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Fuel feed system. 1,867,700; July 19.

Jones, George L., Garden City, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector. 1,870,811; Aug. 9.

Jones, George T., Pawtucket, R. I. Spool structure and making the same. 1,839,223; Jan. 5.

Jones, Grinnell, Cambridge, Mass. Cleaning metals. 1,846,733; Feb. 23.

Jones, Grinnell, Cambridge, Mass. Metal cleaning compounds. 1,848,018; Mar. 1.

Jones, Gwilym D., Oak Creek, assignor of one-half to B. W. Snodgrass, Denver, Colo. Driving mechanism. 1,846,340; Feb. 23.

Jones, Harry P., Churchgate, Bombay, India, S. S. Wrightson, and C. R. Matthews, Darlington, England. Built-up railway crossing for tramways or railways. 1,855,969; Apr. 26.

Jones, Harry W., Webster Groves, Mo., assignor to Sanford Investment Company, Wilmington, Del. Railway car end structure. 1,889,051; Nov. 29.

Jones and Hartman, Inc. (See Jones, F. A., and Hartman, assignors.)

Jones, Helen P., Fort Washington, N. Y. Drapery hanger. 1,868,944; July 26.

Jones, Henry A., Lynwood, assignor to F. V. Long, trustee, Compton, Calif. Compensating gauge device for liquid storage tanks. 1,879,805; Sept. 27.

Jones, Herbert L., Morristown, N. J., and E. A. Veazie, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuit. 1,881,642; Oct. 11.

Jones, Hilton L., Wilmette, Ill., assignor of one-half to Paul H. Buchanan, trustee for The National Selected Morticians of Washington, D. C. Embalming fluid. 1,870,123; Aug. 2.

Jones, Isaac W., Bloomington, Ind. Saw tooth. 1,866,356; July 5.

Jones, Homer W., Williamsville, N. Y., assignor to The Linde Air Products Company. Torch head. 1,856,560; May 3.

Jones, Homer W., Williamsville, N. Y., assignor to National Carbon Company, Inc. Battery hand lamp. 1,879,622; Sept. 27.

Jones, Homer W., Williamsville, N. Y., assignor to National Carbon Company, Inc. Battery box. 1,879,623; Sept. 27.

Jones, Homer W., Newark, N. J., and H. G. Graubner, New York, N. Y., assignors to National Carbon Company, Inc. Battery hand lamp. 1,879,621; Sept. 27.

Jones, Horatio S., Kansas City, Mo. Tourniquet. 1,870,052; Aug. 2.

Jones, Howard B., Evanston, Ill. Connecter for electrical lines. 1,841,736; Jan. 19.

Jones, Hugh W., East Orange, N. J., assignor to Westinghouse Lamp Company. Electrode construction. 1,842,176; Jan. 19.

Jones, Irvin H., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Treating hydrocarbons. 1,872,463; Aug. 16.

Jones, Ivan H., Great Falls, Mont. Windshield holding device. 1,878,584; Sept. 20.

Jones, J. R., Spring House, Pa., assignor to Alan Wood Steel Company. Running board for railway cars. 1,869,605; Nov. 29.

Jones, James F., and R. W. Nelson, Chicago, Ill. Receptacle seal. 1,862,088; June 7.

Jones, James I. M., and W. Gilby, Lancaster, England, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Dyeing or printing. 1,850,551; Mar. 22.

Jones, James R., and H. E. Miller, Johnstown, Pa. Railroad crossing intersection. 1,850,505; Mar. 22.

Jones, James W., Poplar, London, England. Oil fuel burner. 1,861,359; May 31.

Jones, Jerome, Denver, Colo. Radiator cap or similar article. Des. 86,124; Feb. 2.

Jones, Jesse L. (See Hansen, A. M., and Jones.)

Jones, John E., Springfield, assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve. 1,864,916; June 28.

Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture and sound film. 1,844,715; Feb. 9.

Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for perforating motion picture film. 1,866,711; July 12.

Jones, John H. Bound Brook, N. J., assignor to The Best Foods, Inc., New York, N. Y. Treatment of pimientos. 1,869,123; Nov. 29.

Jones, John L., Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Dust separator. 1,886,884; Nov. 8.

Jones, Joseph S. (See Jones, Lester L., and J.)

Jones, Joseph S., Brooklyn, assignor, by mesne assignments, to Chas. Cory Corporation, New York, N. Y. Annunciator. 1,874,415; Aug. 23.

Jones, Laban E., and W. K. Smith, Anaconda, Mont. Golf cup for sand greens. 1,840,038; Jan. 5.

Jones & Lamson Machine Company. (See Byssbe, E. T., and Flanders, Ralph E., assignor.)

Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)

Jones & Lamson Machine Company. (See Lovely, John E., assignor.)

Jones and Laughlin Steel Corporation. (See Free, John W., assignor.)

Jones & Laughlin Steel Corporation. (See Kurkowski, Joseph S., assignor.)

Jones & Laughlin Steel Corporation. (See Sturges, Frederic D., assignor.)

Jones, Laurence D., Schenectady, N. Y., assignor to General Electric Company, Dynamo electric machine. 1,852,152; July 26.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Production and recovery of dispersed substances. 1,854,744; Apr. 19.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Method and apparatus for separating immiscible substance. 1,864,511; June 21.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,872,962; Aug. 23.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Separating substances. 1,872,963; Aug. 23.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Separation of oil from mixtures thereof with water. 1,873,597; Aug. 23.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Separation of mixtures of substances. 1,873,598; Aug. 23.

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Dewaxing of petroleum oils. 1,881,643; Oct. 11.

Jones, Leon B., San Francisco, Calif., assignor to Jones Gas Process Corporation. Making gas from oil. 1,862,018; June 7.

Jones, Lester, Washington, N. C. Key and card carrier. 1,841,266; Jan. 12.

Jones, Lester L., Oradell, N. J. Reproducer. 1,839,968; Jan. 5.

Jones, Lester L., Oradell, N. J. Inductance coil shielding structure. 1,840,780; Jan. 12.

Jones, Lester L., Oradell, N. J. Train control system. 1,841,896; Jan. 19.

Jones, Lester L., Oradell, N. J. Selector system for radio receiving apparatus. 1,850,754; Mar. 22.

Jones, Lester L., Oradel, N. J. Pneumatic tire. 1,860,362; May 31.

Jones, Lester L., Oradell, N. J. Electron discharge cathode. 1,881,644; Oct. 11.

Jones, Lester L., Oradell, N. J., and J. A. Flanzer, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Manufacture of resistance units. 1,847,653; Mar. 1.

Jones, Lester L., Oradell, and J. Jones, Westwood, N. J., assignors, by mesne assignments, of one-half to Technidyne Corporation and one-half to H. James, New York, N. Y. Roasting edibles. 1,870,735; Aug. 9.

Jones, Lester L., Oradell, N. J., J. A. Flanzer, and E. Reisman, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Activation and reactivation of electron emission tubes. 1,881,645; Oct. 11.

Jones, Linton, assignee of part interests to C. Long, E. D. Brooks, and W. N. Ferguson, Greenville, S. C. Self-oiling spinning or twisting ring and oil trap therefor. 1,842,271; Jan. 26.

Jones, Lloyd, Salem, Ohio. Mill for rolling metal. 1,843,679; Feb. 2.

Jones, Lloyd, Salem, Ohio, and W. R. Clark, Bridgeport, Conn. Tension device. 1,854,198; Apr. 19.

Jones, Lloyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Brush mounting for fruit brushes. 1,851,436; Mar. 29.

Jones, Louis A. (See Baker, Roy C., assignor.)

Jones, Louis C., Greenwich, Conn., assignor to Chemical Engineering Corporation, New York, N. Y. Production of nitrogen-hydrogen gas mixtures free from oxygen. 1,856,955; May 3.

Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Making combined sound and picture records. 1,866,712; July 12.

Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Air tester. 1,850,208; Mar. 22.

Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Sorting device. 1,884,718; Oct. 25.

Jones, Marshall R., St. Cloud, Minn. Process and apparatus for producing convex and concave surfaces in stone. 1,869,427; Aug. 2.

Jones Metal Products Company. (See McKay, John A., assignor.)

Jones, Montgomery O., and W. P. Shomaker, assignors to The Dupont Viscoloid Co., Richmond, Va. Feeding mechanism. 1,855,132; Apr. 19.

Jones-Munn Tool Co. (See Jones, William S., assignor.)

Jones, Nevell M., Haddonfield, and W. W. Dewhurst, Haddon Heights, N. J., assignors to General Electric Company. Tuning indicator. 1,879,294; Sept. 27.

Jones, Noah M., Baltimore, Md. Anchorage and product thereof. 1,857,912; May 10.

Jones, Norman B., Scotia, N. Y., assignor to General Electric Company. Protective apparatus for furnaces. 1,839,604; Nov. 29.

Jones, Osgood K., San Francisco, Calif. Concrete form. 1,875,463; Sept. 6.

Jones, Paul et al. (See Navarro, Richard A., assignor.)

Jones, Paul C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making secondary aromatic amines. 1,885,355; Nov. 1.

Jones, Paul W. (See Reffer, H. C., and Jones.)

Jones, Paul W., assignor to J. T. Riddell, Evanston, Ill. Athletic shoe. 1,855,452; Apr. 26.

Jones, R. T., Perry, Iowa. Merry-go-round. 1,854,588; Apr. 19.

Jones, R. T. Perry, Iowa. Merry-go-round. 1,881,646; Oct. 11.

Jones, Ralph E., Fort G. G. Meade, Md. Projectile. 1,892,152; Dec. 27.

Jones, Ralph R., Lake Forest, Ill. Football guard. 1,857,950; May 10.

Jones, Ralph R., Evanston, Ill. Helmet. 1,886,551; Nov. 8.

Jones, Reps K., Trenton, Tenn. Toy gun. 1,845,920; Feb. 16.

Jones, Robert F. (See McKean, J. G., and Jones.)

Jones, Robert F., Washington, D. C. Ash receiver. Des. 87,880; Oct. 4.

Jones, Robert M., assignor to Crane Co., Chicago, Ill. Valve wrench. 1,869,813; Aug. 2.

Jones, Robert R., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for manufacturing rubber and rubberized fabric stock. 1,850,061; Mar. 15.

Jones, Roy S., assignor to Barber Manufacturing Company, Anderson, Ind. Apparatus for and process of making spring cushion frames. 1,870,364; Aug. 9.

Jones, Ruel C. (See Baston, C. E., and Jones.)

Jones, Russell C., Bronxville, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,886,403; Nov. 8.

Jones, Russell E., Birmingham, Ala., assignor to The Ingalls Iron Works Company. Fabricated metal grand stand. 1,882,148; Oct. 11.

Jones Superior Machine Co. (See Walker, Fred G., assignor.)

Jones, Thomas, and R. Barker, Wallasey, and D. C. Murray, Birkenhead, England. Manufacture of bricks or the like. 1,849,591; Mar. 12.

Jones, Thomas H., Woodthorpe, England. Circular knitting machine and the production of fabrics thereon. 1,843,641; Feb. 2.

Jones, Thomas H., Woodthorpe, England. Producing stockings and socks. 1,882,641; Oct. 11.

Jones, Thomas H., Woodthorpe, England. Tubular knitted fabric. 1,883,297; Oct. 18.

Jones, Thomas H., Woodthorpe, and R. K. Mills, Sherwood, England. Knitted article or garment. 1,866,713; July 12.

Jones, Tom E., Washington, D. C., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Piercing and stapling machine. 1,849,596; Jan. 12.

Jones, Van Clinton, Fort Wayne, Ind. Heated water gauge. 1,874,302; Aug. 30.

Jones, Vess, New York, N. Y. Container. 1,864,069; June 21.

Jones, Vivian B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,870,851; Aug. 9.

Jones, W. Bartlett, Chicago, Ill. Edible article. 1,855,145; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Method and apparatus for audition. 1,855,146; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Distortion in sound transmission. 1,855,147; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Sound transmission. 1,855,149; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Ventriloquial production of sound. 1,855,149; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Reproduction of sound. 1,855,150; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Electrical phonograph pick-up and apparatus. 1,855,151; Apr. 19.

Jones, W. Bartlett, Chicago, Ill. Selective control device. 1,855,152; Apr. 19.

Jones, Walter L., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud member. 1,856,813; May 3.

Jones, Walter L., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. 1,856,814; May 3.

Jones, Walter L., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Self-locking snap fastener stud. 1,873,893; Aug. 23.

Jones, Walter L., St. Louis, Mo. Tire deflation indicator. 1,857,651; May 10.

Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiver. 1,863,308; June 14.

Jones, Webster N. (See Taylor, B. S., and Jones.)

Jones, William. (See Murphy, A. F., and Jones.)

Jones, William A. (See Jennings, D. S., and Jones.)

Jones, William A. (See Trainer, J. E., and Jones.)

Jones, William A., West New Brighton, N. Y. Superheater boiler. 1,867,915; Apr. 26, 1932.

Jones, William A., West Newbrighton, N. Y. Recirculating tube for water tube boilers. 1,870,812; Aug. 9.

Jones, William A., Westerleigh, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and condenser for vapor from high boiling point liquids. 1,855,575; Apr. 26.

Jones, William A., Westerleigh, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury condenser water tube steam boiler. 1,864,737; June 28.

Jones, William A., Westerleigh, and William A., assignor.)

Jones, William E., assignor to Eagle Chemical Company, Milwaukee, Wis. Cleaning and disinfecting compound. 1,840,492; Jan. 12.

Jones, William F., St. Louis, Mo. Suspended scaffold. 1,852,524; Apr. 5.

Jones, William L., Winnipeg, Manitoba, Canada. Harvesting machine. 1,887,158; Nov. 8.

Jones, William M., jr., Rochester, N. Y. Mold for retreading vehicle tires. 1,852,886; Apr. 5.

Jones, William T., Pleasantville, N. Y. Mechanical laxative. 1,847,247; Mar. 1.

Jones, Willis C., and J. C. Pimm, Syracuse, assignors of one-third to L. S. Pierce, Auburn, N. Y. Golf practising apparatus. 1,889,332; Nov. 29.

Jones, Winfield S., Brea, Calif. Steering wheel handle. 1,866,111; July 5.

Jones, Winfield S., Long Beach, assignor to Kammerer Corporation, Santa Fe Springs, Calif. Cutter. 1,847,613; Mar. 1.

Jones, Winfield S., Long Beach, Calif., assignor to Jones-Munn Tool Co., Ltd. Perforator. 1,967,840; July 19.

Jones, Winfield S., et al. (See Baker, Harold U., assignor.)

Jongedyk, Ralph, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,871,272; Aug. 9.

Jonkhoff, Henri W., Beckenham, England. Automatic steering device for swiveling bogies. 1,876,684; Sept. 13.

Jonn, Tage G., assignor to Breuner Electric Mfg. Co., Chicago, Ill. Portable air compressor. 1,842,027; Jan. 19.

Jonsson, Helge S., Chicago, Ill. Engraving machine. 1,874,046; Aug. 30.

Jonsson, Sven M., Woodside, N. Y., assignor, by mesne assignments, to The Lubration Corporation, South Bend, Ind. Lubricating device. 1,874,541; Aug. 30.

Joos, Bernard. (See Tisza, E. T., and Joos.)

Joost, William E., Oakland, assignor to Electrical Products Associates, Los Angeles, Calif. Neon flash sign. 1,890,732; Dec. 13.

Joplin, William A., Norfolk Downs, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bag closing and fastening machine. 1,856,552; Nov. 8.

Jordahl, Anders. (See Butler, Edgar M., assignor.)

Jordahl, Anders, New York, N. Y., assignor to American Air Filter Company, Inc., Louisville, Ky. Filters for gas, air, and the like. 1,841,536; Jan. 19.

Jordal, Herbert R., assignor of two-fifths to P. Hjelle, Minneapolis, Minn. Turntable. 1,853,980; Apr. 12.

Jordan, Benjamin M., Salt Lake City, Utah, assignor to The Jeffery Manufacturing Corporation, Columbus, Ohio. Interlocking mechanism. 1,847,112; Mar. 1.

Jordan, Carl C., Porterdale, assignor to Bibb Manufacturing Company, Macon, Ga. Reel for winding yarn. 1,851,632; Mar. 29.

Jordan, Carl C., Detroit, Mich., assignor, by mesne assignments, to Chevrolet Motor Company, Wilmington, Del. Feed mechanism for package conveyers. 1,854,939; Apr. 19.

Jordan, Christopher L., Belmont, Calif. Road machinery. 1,844,124; Feb. 9.

Jordan, Franz, Wickede-Ruhr, Germany. Raising the resistance of zinc to tearing during rolling. 1,845,155; Feb. 16.

Jordan, Hans. (See Schoeller, W., Jordan, and Clerc.)

Jordan, Hans. (See Schoeller, W., Jordan, and Linde.)

Jordan, Hans. (See Schoeller, W., Jordan, and Schöllkopf.)

Jordan, Hans. (See Schoeller, W., Schwenk, and Jordan.)

Jordan, Hans. (See Schwenk, E., and Jordan.)

Jordan, Hans, Berlin-Steglitz, assignor to the Firm: Scheringkahlbaum Aktiengesellschaft, Berlin, Germany. Manufacture of condensation products of alkyl-phenols and ketones. 1,854,940; Apr. 19.

Jordan, Harvey B., Cleveland, Ohio. Tuyère stock bridle. 1,847,885; Mar. 1.

Jordan, Henry B., Staunton, Va. Projecting machine. 1,856,956; May 3.

Jordan, Hugh A. (See Dodge, M. L., and Jordan.)

Jordan, Hugh A., assignor to Milton L. Dodge, Newburyport, Mass. Method of and machine for molding counters. 1,850,798; Mar. 22.

Jordan, O. F., Company. (See Protzeller, Harry W., assignor.)

Jordan, Otto, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose nitrate lacquer. 1,865,191; June 28.

Jordan, R. E., & Co. (See Jordan, Robert E., assignor.)

Jordan, Richard H., Springfield, Mass. Starting device for motors. 1,783,175; Dec. 2, 1930.

Jordan, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Starting an induction motor. 1,871,495; Aug. 16.

Jordan, Robert E., assignor to R. E. Jordan & Co., Inc., Baltimore, Md. Ham retainer. 1,849,674; Mar. 15.

Jordan, Seth N., Burlington, Iowa. Automobile starting device. 1,868,208; July 19.

Jordan, Stroud, Brooklyn, assignor to Ross and Rowe, Inc., New York, N. Y. Food product and producing the same. 1,859,240; May 17.

Jordan, Stroud, Brooklyn, assignor to Applied Sugar Laboratories, Incorporated, New York, N. Y. Treating tobacco leaves, process of producing a composition for use in the practice of the method, and resultant composition. 1,888,173; Nov. 15.

Jordan & Taylor, Inc. (See Gammack, W. A., and Knox, assignors.)

Jordan, Thomas M., and W. H. Herrington, Kountze, Tex. Sucker rod coupling. 1,856,917; May 3.

Jordan, Walter E. B., Dallas, assignor of one-half to B. H. Graham, San Antonio, Tex. Cotton distributor. 1,850,325; Mar. 22.

Jordan, Wayne D., Evanston, Ill. Air conditioning mechanism. 1,892,307; Dec 27.

Jordan, Wayne D., assignor, by mesne assignments, to Daniel Handelan, Minneapolis, Minn. Humidifier. 1,856,918; May 3.

Jordan, Wayne D., and P. D. Van Vliet, assignors to Air Control Systems Inc., Chicago, Ill. Air conditioning system. 1,891,713; Dec. 20.

Jordan, Wayne D., and P. D. Van Vliet, assignors to Air Control Systems Inc., Chicago, Ill. Refrigerating system. 1,891,714; Dec. 20.
Jordan, William R., Bonita, La. Trailer and steering device. 1,853,817; Apr. 12.
Jordhoy, Hans C. (See Thorsberg, L., and Jordhoy.)
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder roller adjusting device. 1,840,319; Jan. 12.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Spring seated center clip for plate lock-ups. 1,840,320; Jan. 12.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Corporation, New York, N. Y. Adjustable folding cylinder. 1,865,696; July 5.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for separating the riser from a stereotype plate. 1,881,647; Oct. 11.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Separating the riser from a stereotype printing plate. 1,881,648; Oct. 11.
Jordon, Lebert E., Minneapolis, Minn. Humidifying device. 1,873,564; Sept. 6.
Jordon, O. F., Company. (See Forbes, J. C., and Banton, assignors.)
Jørgen-Jensen, Erik. (See Hagemeister, J. J., and Jørgen-Jensen.)
Jorgensen, Auge L., Jersey City, N. J. Match book. 1,824,420; Apr. 23.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-removing mechanism. 1,840,231; Feb. 2.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,845,232; Feb. 9.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,844,866; Feb. 9.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for strapping fastening. 1,849,245; Mar. 15.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Separating apparatus. 1,854,198; Apr. 19.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,890,742; May 31.
Jorgensen, Hans L., assignor to Harrington & King Perforating Company, Chicago, Ill. Toggle for hide stretchers. 1,848,726; Mar. 8.
Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 1,852,015; Apr. 5.
Jorgensen, Olaf K. (See Jorgensen, Thorvald J. and O. K.)
Jorgensen, Svend M., Elizabeth, N. J., assignor to The Superheater Company, New York, N. Y. Desuperheater. 1,869,967; Aug. 2.
Jorgensen, Thorvald J., Franklin Square, and O. K. Jorgensen, Garden City, Queens, L. I. Sled. 1,869,968; Aug. 2.
Jorgenson, Arthur P. (See Blish, R. A., and Jorgenson.)
Jorolemon, Roy J., Washington, D. C. Differential. 1,850,966; Apr. 19.
Joseph, Alfred, Enghein, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Process and apparatus for the catalytic cracking of petroleum oils, tar, and the like. 1,867,841; July 19.
Joseph, Alfred, Enghein, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Apparatus for the manufacture of light hydrocarbons by catalytic cracking of petroleum oils, tars, or other similar starting materials. 1,867,842; July 19.
Joseph, Alfred, Enghein, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Conversion of solid combustibles into liquid fuel. 1,879,750; Sept. 27.
Joseph, Felix A., Hampstead, London, England. Coupling device. 1,844,286; Feb. 9.
Joseph, Felix A., Hampstead, London, England. Apparatus for practicing games. 1,850,174; Mar. 22.
Joseph, Glenn H., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Food product. 1,842,673; Jan. 26.
Joseph, Henry, St. Albans, assignor to General Chemical Company, New York, N. Y. Catalyst. 1,867,578; Nov. 15.
Joseph, Mabel T., et al. (See Wellman, Henry J., assignor.)
Joseph, Mae, Brooklyn, assignor to Park & Tilford, New York, N. Y. Combination bottle and closure cap. Des. 86,724; Apr. 12.
Joseph, Mae, Brooklyn, assignor to Park & Tilford, New York, N. Y. Combination bottle and closure cap. Des. 86,841; Apr. 26.
Joseph, Mae, Brooklyn, assignor to Park & Tilford, New York, N. Y. Bottle. Des. 87,064; May 31.
Joseph, Philip. (See Storms, Frederick, assignor.)
Joseph, Sheldon, Wheeling, W. Va. Stethoscope. 1,845,795; Feb. 16.
Joseph, Solomon, Middle Village, N. Y. Container for camphor balls. 1,842,905; Jan. 26.
Joseph, Stella, Los Angeles, Calif. Calendar device. 1,845,500; Feb. 16.
Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Hydraulic steering gear for motor vehicles. 1,859,333; May 24.
Josephs, jr., Lyman C., and E. R. Gurney, Allentown, Pa., assignors to International Motor Company, New York, N. Y. Dual wheel mounting and drive. 1,862,753; June 14.
Josepson, Walter S., assignor to Dyrice Corporation of America, New York, N. Y. Refrigerating apparatus. 1,873,181; Aug. 23.
Josinsky, John, Bayside, N. Y. Match box. 1,864,440; Mar. 22.
Joslyn Diesel Engine Company. (See Joslyn, Paul L., assignor.)
Joslyn Manufacturing and Supply Co. (See Smalley, Burton M., assignor.)
Joslyn, Paul L., assignor to Joslyn Diesel Engine Company, Ltd., San Francisco, Calif. Fuel atomizing nozzle. 1,843,821; Feb. 2.
Josselyn, Winsor, Carmel, Calif. Camera. 1,850,460; Mar. 22.
Josselyn, Winsor, Carmel, Calif. Camera. 1,876,143; Sept. 6.
Jost, Fritz, Herne-Bornig, Germany, assignor to Patentverwertungs A. G. "Alpina", S. A. pour l'Exploitation de Brevets "Alpina", Patents Exploitation Cy. "Alpina" Ltd. Basel, Switzerland. Oxidation of ammonia. 1,858,740; May 17.
Jost, Fritz, Herne-Bornig, Germany, assignor to Patentverwertungs A. G. "Alpina", S. A. pour l'Exploitation de Brevets "Alpina", Patents Exploitation Cy. "Alpina", Ltd., Basel, Switzerland, Catalyzer. 1,858,741; May 17.
Jostedt, Theodore A., Ridgway, by mesne assignments, to Hussmann-Ligonier Company, St. Louis, Mo. Showcase refrigerator. 1,865,761; July 5.
Jourdan, Félix, Rome, Italy. Treatment of Leucitic rocks with nitrous vapors in a continuous cycle. 1,863,986; June 21.
Journal Box Servicing Corporation. (See Conway, I. M., and Harold, assignors.)
Journal Box Servicing Corporation. (See McNamara, Leo C., assignor.)
Joy, Charles H., sr. (See Sauer, Louis J., assignor.)
Joy, Wilford P., Webster Groves, J. A. Amend, University City, and R. Fruuerfeldt, Webster Groves, Mo., assignors to St. Louis Dustless Company. Building foundation. 1,891,934; Dec. 27.
Joyce, Alfred W. E., Preston, England. Rotary filter. 1,855,835; Apr. 26.
Joyce, Bryan P., Dover, N. J. Counterpoise mechanism. 1,858,829; May 17.
Joyce, Bryan P., Davenport, Iowa. Packing. 1,859,039; May 17.
Joyce-Cridland Company, The. (See Hott, Ion V. K., assignor.)
Joyce, Edward J., Chicago, Ill. Binder. 1,855,453; Apr. 26.
Joyce, Harold L., Evanston, Ill. Power transmission apparatus. 1,867,843; July 19.
Joyce, Harold L., assignor to Jas. P. Marsh & Company, Chicago, Ill. Indicator mechanism. 1,840,039; Jan. 5.
Joyce, John R. (See Lubbock, I., and Joyce.)
Joyce, Lyndon W., Greensboro, N. C. Display stand cabinet. 1,871,444; Aug. 9.
Joyce, Lyndon W., assignor to Joyce-Venning Manufacturing Co. Inc., Greensboro, N. C. Metallic means for gripping fabrics. 1,845,606; Feb. 16.
Joyce, Lyndon W., and J. H. Sanderson, Babylon, N. Y., assignors to Joyce-Venning Manufacturing Co., Inc., Greensboro, N. C. Needle assembling machine for webbing. 1,867,077; July 12.
Joyce-Venning Manufacturing Co. (See Joyce, L. W., and Sanderson, assignors.)
Joyce-Venning Manufacturing Co. Inc. (See Joyce, Lyndon W., assignor.)
Joyce, Walter M., et al. (See Darling, Jay, assignor.)
Joyner, George O., St. Louis, Mo. Spring motor. 1,890,609; Dec. 13.
Joyner, Robert T., L. B. Bowles, and G. C. Freed, Hickory, Tenn., assignors, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Thread guide. 1,887,024; Nov. 8.
Józsa, Stephen. (See Gore, H. C., Józsa, and Frey.)
Jozsy, Paul, New York, N. Y. Tone clarifier. 1,841,189; Jan. 12.
Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)
Jubilee Manufacturing Co. (See Hillmer, Herman H., assignor.)
Judah, Mansfield D., Long Beach, Calif. Oven implement. 1,866,039; July 5.
Judd, Charles H. (See Fogwell, H. H., and Judd.)
Judd, Frank, Sac City, assignor to E. S. Gaynor Lumber Company, Sioux City, Iowa. Post driver. 1,859,398; May 24.
Judd, George E., Boston, Mass. Ticket and ticket cabinet. 1,881,649; Oct. 11.
Judd, George E., Boston, Mass. Ticket handling apparatus. 1,881,650; Oct. 11.
Judd, H. L., Company. (See Dlouhy, August, assignor.)
Judd H. L., Company. (See Toelle, Walter H., assignor.)

Judd, H. L., Company. (See Vroom, Robert D. W., assignor.)

Judd, H. L., Company. (See Whitehead, Oscar N., assignor.)

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Skid assembly. 1,842,985; Jan. 26.

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Transporting vehicles and the like. 1,862,682; June 14.

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Transporting vehicles and the like. 1,865,369; July 5.

Judell, Julius S., assignor to The Milwaukee Flush Valve Company, Milwaukee, Wis. Combination faucet. 1,841,737; Jan. 19.

Judelshon, Oscar L., Park Ridge, N. J. Winding machine. 1,863,004; June 14.

Judelshon, Oscar L., Park Ridge, N. J. Cloth cutting machine. 1,892,058; Dec. 27.

Judelson Dryer Corporation. (See Judelson, Julius, assignor.)

Judelson, Julius, New York, N. Y. Booth construction. 1,855,081; May 10.

Judelson, Julius, New York, N. Y., assignor to Judelson Dryer Corporation, Moundsville, W. Va. Drier. 1,853,061; Apr. 12.

Judge, Edward J., Alameda, Calif. Liquid-filling machine. 1,852,308; Apr. 5.

Judge, Ernest F. and F. H. Fry, Gravesend, Kent, assignors to W. T. Henley's Telegraph Works Company Limited, London, England. Press for the extrusion of metals. 1,850,483; Mar. 3.

Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Die stock. 1,873,132; Aug. 23.

Judge, Franklin, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, Gauge. 1,851,651; Oct. 11.

Judkins, Edward W. (See Zech, Edward E., assignor.)

Judson, Russell V., Detroit, Mich. Apparatus for cleaning and loading grain. 1,868,237; July 19.

Juenglings, Karl F., Lakewood, Ohio. Charging means for blast furnaces. 1,891,821; Dec. 20.

Juenglings, Karl F., Lakewood, assignor to A. G. McKee and Company, Cleveland, Ohio. Distributor mounting for blast furnaces. 1,841,738; Jan. 19.

Juengst, Fred W. (See Anderson, O. M., and Juengst.)

Juengst, Fred W., and O. M. Anderson, assignors to Landers, Frary & Clark, New Britain, Conn. Electric fruit juice extractor. Des. 88,712; Dec. 20.

Juengst, Fred W., and O. M. Anderson, assignors to Landers, Frary & Clark, New Britain, Conn. Washing machine. 1,847,484; Mar. 1.

Juergens, Herbert L., Dubuque, Iowa. Fish net. 1,849,065; Jan. 19.

Juergens, Winfred H., Cleveland, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Trolley frame. 1,858,905; May 17.

Juergens, Winfred H., Cleveland, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Load brake for hoists. 1,867,409; July 12.

Juergens, Winfred H., Cleveland, assignor to The Euclid-Armington Corporation, Euclid, Ohio. Bolt support for trolley frames. 1,867,410; July 12.

Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 87,995; Oct. 18.

Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 87,996; Oct. 18.

Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 88,086; Oct. 25.

Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 88,087; Oct. 25.

Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 88,088; Oct. 25.

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Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 88,093; Oct. 25.

Juestrich, Max U., Ridgefield, N. J. Textile fabric. Des. 88,094; Oct. 25.

Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 88,794; Dec. 27.

Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 88,795; Dec. 27.

Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 88,796; Dec. 27.

Juhasz, Steven. (See Ottrosinka, Louis, assignor.)

Julian, James, Philadelphia, Pa. Automobile theft alarm switch. 1,843,924; Feb. 9.

Julien, Antone W., et al. (See Sager, Lee R., assignor.)

Julien, Louis F., assignor to Chamberlin Metal Weatherstrip Company, Detroit, Mich. Weather strip. 1,844,254; Feb. 9.

Julien, Paul, Marseilles, France. Valve for corrosive fluids. 1,840,904; Jan. 12.

Julin, Clarence E., Jamestown, N. Y. Window construction. 1,886,105; Nov. 1.

Julius, Charles H. (See Lier, R. P., and Lower, assignors.)

Julliard, Maurice E., Paris, France. Razor. Des. 88,736; Dec. 20.

Jullien, Victor, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Clamp adjuster. 1,875,012; Aug. 30.

Jumes, Demetrios N., Los Angeles, Calif. Liquid dispenser. Des. 86,237; Feb. 16.

Jumonville, Russell A., New Orleans, La. Variable lift wing. 1,856,957; May 3.

Jump, George H., Buffalo, N. Y., assignor to General Electric Company. Control system for asynchronous machines. 1,853,004; Apr. 5.

Jumper, Royal T., assignor to California Spray-Chemical Corporation, Berkeley, Calif. Display shelf. Des. 86,030; Jan. 19.

Jung, Adolf. (See Hagedorn M., and Jung.)

Jung Arch Brace Company, The. (See Jung, George H., jr., assignor.)

Jung, George H., jr., assignor to The Jung Arch Brace Company, Cincinnati, Ohio. Preparing elastic webbing for cutting. 1,862,642; Oct. 11.

Jung, Joseph A., Rochester, Minn. Shoe. 1,849,458; Mar. 15.

Jung, Karl, Berlin, Germany. Surface grinding machine. 1,846,341; Feb. 23.

Jung, Louis. (See Schmidt, H. F., and Jung.)

Jung, Max, Darmstadt, Germany. Method of and apparatus for removing moisture from solid materials. 1,848,785; Mar. 8.

Jung, Oscar E., and P. E. Heffelfinger, Milwaukee, Wis.; said Heffelfinger assignor to said Jung. Fuse clip. 1,878,779; Sept. 20.

Jung, Rudolph, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing nitroso diazo solutions. 1,880,959; Oct. 4.

Junge, Claus, assignor to Fritz Werner Aktiengesellschaft, Berlin-Marienfelde, Germany. Grinding machine, particularly for spline-shafts. 1,850,799; Mar. 22.

Jungers, John J., Attica, N. Y. Bean sorter. 1,859,093; May 17.

Jungersen, Thöger G., Lyngvy, near Copenhagen, Denmark. Dumping body for automobile trucks. 1,867,344; July 19.

Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,865,257; June 28.

Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Turbine generator installation. 1,865,258; June 28.

Junggren, Oscar, Schenectady, assignor to General Electric Company. Elastic fluid turbine. 1,883,930; Oct. 25.

Junghans, Helmut, Schramberg, Wurtemberg, Germany, assignor to Electrically wound clock. 1,891,282; Dec. 20.

Junghans, Siegfried, Schramberg, Schwarzwald, Germany. Making self improving aluminium alloys. 1,846,558; Feb. 23.

Jungholm, Karl J., Stockholm, Sweden. Electrical switch. 1,849,038; Dec. 6.

Jungk, Herbert G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Finger plate. 1,870,813; Aug. 9.

Jungmichl, Heinrich. (See von Issendorff, J., and Jungmichl.)

Junken, Lawrence H., Haddonfield, N. J., assignor to General Electric Company. Electrical regulating system. 1,843,724; Feb. 2.

Junkers, Adolf H., Rheydt, Germany. Device for forming a yarn store. 1,849,983; Mar. 15.

Junkers, Adolf H., Rheydt, Germany. Device for forming yarn stores. 1,851,252; Mar. 29.

Junkers, Adolf H., Rheydt, Germany. Apparatus for treating yarn. 1,854,040; Apr. 12.

Junkers, Hugo. (See Oesterheldt, Johannes, assignor.)

Junkers, Hugo, Dessau, Germany. Riveting tool. 1,840,103; Jan. 5.

Junkers, Hugo, Dessau, Germany. Regulating device for engines. 1,841,897; Jan. 19.

Junkers, Hugo, Dessau, Germany. Fuel feed pump and operating same. 1,849,490; Mar. 15.

Junkers, Hugo, Dessau, Germany. Impeller and making same. 1,865,918; July 5.

Junkers, Hugo, Dessau, Germany. Internal combustion engine with positive fuel feeds. 1,868,636; July 26.

Junkers, Hugo, Dessau, Germany. Doorlock. 1,882,643; Oct. 11.

Junkers, Hugo, Dessau, Germany. Cylinder for internal combustion engines. 1,892,277; Dec. 27.

Jupp, William B. (See Froesch, C., and Jupp.)

Jurard, Joseph B., Newton, Mass. Conductor connecter. 1,845,501; Feb. 16.

Jury, Albin E., Borger, Tex. Building set. 1,861,801; June 7.

Just, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling box lock. 1,888,859; Nov. 22.

Juster, Louis H., St. Lambert, Quebec, Canada, assignor to L. E. Waterman Company, New York, N. Y. Feed for fountain pens. 1,882,644; Oct. 11.

Justheim, Clarence I., Salt Lake City, Utah. Fueling system. 1,889,922; Dec. 6.

Justice, William N., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Making a ring joint. 1,881,652; Oct. 11.
Justin Leather Goods Company, The, et al. (See Day, Luther A., assignor.)
Justiss, Marcus D., Magnolia, Ark. Piston pin extractor and inserter. 1,841,190; Jan. 12.
Justman, Lewis J., Plankinton, S. Dak. Spiral gathering device. 1,855,109; Apr. 19.
Justrite Manufacturing Company. (See Brown, Le Roy O., assignor.)
Justrite Manufacturing Company. (See Raster, Walther, assignor.)
Justus, David E. (See Beard, H. G., Justus, and Barelli.)
Justus, Fred E., El Paso, Tex. Ice box scale. 1,852,973; Apr. 5.
Juul, Peter, Chicago, Ill., assignor to Latham Machinery Company, Perforating machine. 1,845,714; Feb. 16.
Juvenile Wood Products, Inc. (See Bryant, Martha M., assignor.)
Juvet, Obel, Ferndale, Wash. Cabinet ironing board. 1,887,763; Nov. 15.
K-D Manufacturing Company. (See Barto, Edward J., jr., assignor.)
K-W Ignition Corporation, The. (See Eiseman, Robert J., assignor.)
Kab, Georg. (See Brode, J., and Käb.)
Kabelac, Frank, Rochester, N. Y. Abrading machine. 1,844,165; Feb. 9.
Kabele, Benedict A., Schenectady, N. Y. Fishing rod holder. 1,891,163; Dec. 13.
Kabinoff, Frank, Santa Cruz, Calif. Egg picker. 1,846,968; Feb. 23.
Kabushiki Kaisha Hitachi Seisakusho. (See Baba, Kumeo, assignor.)
Kabushiki Kaisha Yokogawa Denki Seisakusho. (See Tomoda, Miyaji, assignor.)
Kačer, Vilim. (See Nevrasky, P., and Kačer.)
Kačer, Filip, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphur dyes of the anthraquinone series and making. 1,841,817; Jan. 19.
Kačer, Filip, Mannheim, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of naphthalene derivatives. 1,841,445; Jan. 19.
Kadavy, Godfrey J., Omaha, Nebr. Boot cleaner. 1,870,333; Aug. 9.
Kaddeland, Christen R., Shelton, Conn., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Slitting and creasing mechanism. 1,850,730; Mar. 22.
Kaddeland, Christen R., Shelton, Conn., assignor to Harris, Seybold, Potter Company, Cleveland, Ohio. Rotary color printing press. 1,876,013; Aug. 30.
Kadel, Byers W. (See Wine, W. E., and Kadel.)
Kadel, Byers W., Baltimore, Md. Hand brake for railway cars. 1,867,268; July 12.
Kadow, Wilhelm, Wards, near Hennef-on-the-Sieg, assignor to Firm Hennefer Maschinenfabrik C. Reuther & Reisert mit beschränkter Haftung, Hennef-on-the-Sieg, Germany. Feeding device on automatic weighing machines. 1,846,559; Feb. 23.
Kadletz, Adolf. (See Hollerer, K., and Kadletz.)
Kadon Foundation, Inc. (See Ducey, Alfred M., assignor.)
Kadow, August, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming glass articles. 1,854,408; Apr. 19.
Kadow, August, and L. D. Soubler, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming glass articles. 1,843,165; Feb. 2.
Kadow, August, and R. W. Allen, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming hollow glass articles. 1,879,689; Sept. 27.
Kadow, August, and C. W. Schwenzfeier, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Glass cutting mechanism. 1,879,690; Sept. 27.
Kadow Foundation Inc. (See Smith, David C., assignor.)
Kadrik, Otto, Vienna, Austria. Machine for the spherical grinding of billiard balls and other blanks. 1,870,571; Aug. 9.
Kaegebein, Erich L., Hammond, Ind. Flange oiler. 1,887,685; Nov. 15.
Kaegi, Hans. (See Hartmann, M., Kaegi, and Isler.)
Kaemmerling, Gustav H., assignor to Erie City Iron Works, Erie, Pa., Pulverizer. 1,854,844; Apr. 19.
Kaehler, Henry J., Walnut Grove, Minn. Mouth guard for animals. 1,840,857; Jan. 12.
Kaempf, Emil, Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric communication cable. 1,854,795; Apr. 19.
Kaercher, Cecil E., Ortonville, Minn. Nut shell inlay and inlaying. 1,878,402; Sept. 20.
Kaestner, George W. (See Lohmann, W. H., and Kaestner.)
Kageyama, Hosaku, Los Angeles, Calif. Signal device for automobiles. 1,859,515; May 24.
Kageyama, Hosaku, deceased, Los Angeles, Calif. Frank Bryson, public administrator. Signal device for automobiles. 1,882,324; Oct. 11.
Kaci, Albert, assignor to The Prosperity Company Inc., Syracuse, N. Y. Sleeve holder. 1,848,177; Mar. 8.
Kägi, Emil, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Refrigerating machine. 1,878,403; Sept. 20.
Kahl, Leopold, Berlin-Wilmersdorf, Germany. Producing pure anthracene. 1,869,481; Aug. 2.
Kahl, John, Kansas City, Mo. Passenger car for amusement parks. 1,885,206; Nov. 1.
Kahle, Belle J., administratrix. (See Kahle, Clay O.)
Kahle, Clay O., deceased, Seattle, Wash.; B. J. Kahle, administratrix, Huntington, W. Va. 1,858,550; May 17.
Kahle, Ernest A., Chicago, Ill. Box for confectionery and other merchandise. Des. 87,217; June 21.
Kahle, Heinrich. (See Kahlbhofer, E., and Kahle.)
Kahler, Herbert, Kensington, Md., assignor to Westinghouse Electric & Manufacturing Company. Copper oxide rectifier. 1,842,200; Jan. 19.
Kahler, Herbert, Kensington, Md., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic formation of copper oxide surface of rectifiers. 1,844,925; Feb. 9.
Kahlert, Ernest F., and E. Carlson, Browerville, Minn. Chimney sweeper. 1,875,613; Sept. 6.
Kahlhofer, Heins, Vienna, Austria. Apparatus for the production of hair waves. 1,841,131; Jan. 12.
Kahn, Benjamin. (See Sunkenberg, E. W., and Kahn.)
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Cooking stove. Des. 87,065; May 31.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heating stove. 1,873,767; Aug. 23.
Kahn, Bertrand B., Cincinnati, Ohio, and W. T. Bradbury, assignors to The Estate Stove Company, Hamilton, Ohio. Range. 1,843,486; Feb. 2.
Kahn, David, Inc. (See Kahn, David, assignor.)
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen. Des. 87,523; Aug. 9.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen. Des. 87,524; Aug. 9.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen, N. J. Pencil. Des. 87,525; Aug. 9.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen. Des. 88,299; Nov. 15.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen, N. J. Pencil. Des. 88,300; Nov. 15.
Kahn, Edgar E., Mount Vernon, N. Y. Bottle or similar article. Des. 88,139; Oct. 11.
Kahn, Frederick L., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,877,882; Sept. 20.
Kahn, Frederick L., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,881,135; Oct. 20.
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Skeleton beam. 1,842,612; Jan. 26.
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Highway guard. 1,860,615; May 31.
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Ceiling and floor structure. 1,860,616; May 31.
Kahn, Julius, Jersey City, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Barrette. 1,860,199; June 24.
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Joist. 1,879,295; Sept. 27.
Kahn, Julius, and E. L. Ransome, assignors to Truscon Steel Company, Youngstown, Ohio. Lath structure. 1,850,506; Mar. 22.
Kahn, Leo M., New York, N. Y. Folding machine. 1,878,404; Sept. 20.
Kahn, Lewis I., Brooklyn, N. Y. Table pad. 1,888,104; Nov. 15.
Kahn, Mandel, Chicago, Ill. Hydrometer. 1,852,118; Apr. 5.
Kahn, Maurice, Paris, France. Manufacture and extraction of nitrogenous products from products of animal origin. 1,858,362; May 17.
Kahn, Maurice, assignor to Société Francaise des Produits Alimentaires Azotés, Paris, France. Treating albuminoid substances. 1,851,253; Mar. 29.
Kahn, Oscar L., New York, N. Y. Umbrella and parasol cover attachment. 1,855,292; Apr. 26.
Kahn, Siegfried, Albuquerque, N. Mex. Memorandum pad for desk telephones. 1,889,666; Nov. 29.
Kahn, Theodor, Berlin-Charlottenburg, Germany. Apparatus for making sound records. 1,891,822; Dec. 20.
Kahn, William, New York, N. Y. Fire extinguisher. 1,848,727; Mar. 8.
Kähr, Oskar J. G., Alsten, Sweden. Atomizer for internal combustion motors. 1,843,562; Feb. 2.
Kähr, Oskar J. G., Alsten, Sweden. Fuel atomizer for oil motors. 1,846,493; Feb. 23.
Kaier, Richard. (See Willard, C. T., and Kaier.)
Kail, Charles E., Binghamton, N. Y., assignor to A. & J. Kitchen Tool Co., Chicago, Ill. Strainer. 1,882,645; Oct. 11.
Kaipust, Leo T., Platte Center, Nebr. Hoe. 1,889,286; Nov. 29.
Kais, Achille, Detroit, Mich. Furnace. 1,862,624; June 14.

Kaiser, Charles, Carlstadt, N. J., assignor to Eagle Pencil Company, New York, N. Y. Display and dispensing cabinet. 1,849,233; Feb. 9.

Kaiser, Charles, sr., Carlstadt, N. J., assignor to Eagle Pencil Company, New York, N. Y. Pencil and making pencil. Nov. 1905; Apr. 19.

Kaiser, Clifford A., Chicago, Ill. Metal coiling. 1,866,310; July 5.

Kaiser, Emil, Brooklyn, N. Y. Combination electrical switch. 1,864,070; June 21.

Kaiser, Ernest F., New York, N. Y. Centrifugal locking means. 1,865,191; Apr. 12.

Kaiser, Frank P. (See Gillis, J. R., and Kaiser.)

Kaiser, Harry E., assignor to Hercules Powder Company, Wilmington, Del. Percussion cap. 1,852,054; Apr. 5.

Kaiser, Karl. (See Schneider, B. E., and Kaiser.)

Kaiser, Otto. (See Gyr, J., and Kaiser, O.)

Kaiser, Walter R., assignor to Kleckheffer Container Company, Milwaukee, Wis. Reenforced container. 1,840,040; Jan. 5.

Kaiser, Wilhelm, Berlin-Schmargendorf, assignor to Deutsche Gasglühlicht-auer-Gesellschaft m. b. H., Berlin, Germany. Life restoring apparatus. 1,882,017; Oct. 11.

Kaiser Wilhelm Institut für Eisenforschung. (See Luyken, Walter, assignor.)

Kaiser-Wilhelm Institute für Eisenforschung. (See Naeser, Gerhard, assignor.)

Kaiser, William E., Erie, Pa., assignor to American Meter Company, New York, N. Y. Gas meter. 1,880,256; Oct. 4.

Kala Sign Company. (See Saunders, Henry E.)

Kalamazoo Paint Company. (See Rosenbaum, Lester F., assignor.)

Kalamazoo Paper Box Company. (See Poppe, Edward W., assignor.)

Kalamazoo Sled Company. (See Kidder, William E., assignor.)

Kalamazoo Stove Company. (See Blakeslee, Arthur L., assignor.)

Kalamazoo Vegetable Parchment Company. (See Francoise, Edward C., assignor.)

Kalb, Carl W. (See Meyer, A. J., and Kalb.)

Kalb, Lewis P., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,869,596; Jan. 5.

Kalb, Walther, Leipzig, Germany, assignor, by mesne assignments, to American Tube and Cap Corporation. Tube and cap container. 1,864,641; Nov. 8.

Kalbach, Raymond B., Philadelphia, Pa. Chenille fabric. 1,876,691; Sept. 27.

Kalbaugh, Ruby. (See Trott, Rolland S., assignor.)

Kalbfleisch Corporation, The. (See Harding, W. H., and Barrows, assignors.)

Kalenoff, Godel, Brooklyn, N. Y. Dish drainer. 1,889,146; Nov. 29.

Kalenoff, Godel, Brooklyn, N. Y. Envelope moistener and closer. 1,846,969; Feb. 23.

Kalenoff, Godel, New York, N. Y. Air cutoff for automobile radiators. 1,867,509; July 12.

Kales Stamping Company. (See Zink, Fred W., assignor.)

Kalfus, Victor, New York, N. Y. Fluid heating device. 1,885,267; Nov. 1.

Kalgren, John E., assignor to J. R. Clark Co., Minneapolis, Minn. Ironing board. 1,885,915; Nov. 1.

Kali-Chemie Aktiengesellschaft. (See Rothe, F., and Ernecke, assignors.)

Kali-Chemie Aktiengesellschaft, the Firm. (See Crotogino, Fritz, assignor.)

Kalichs, William J., assignor to George Seelman & Sons Co., Milwaukee, Wis. Bill fold. 1,872,748; Aug. 23.

Kalif Corporation. (See Pike, Robert D., assignor.)

Kalif Corporation. (See Pike, R. D., and Carroll, assignors.)

Kalif Corporation. (See Pike, R. D., Little, and Carroll, assignors.)

Kalina, Jesser, Brooklyn, N. Y. Garment hanger. 1,892,530; Dec. 27.

Kalischer, Georg, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Derivatives of amino-naphthol sulphonic acids. 1,892,577; Dec. 27.

Kalischer, Georg, Frankfort-on-the-Main, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuff of the anthraquinone series and making same. 1,844,012; Feb. 9.

Kalischer, Georg, Frankfort-on-the-Main, and K. Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New sulfoderivatives of higher fatty acids and making same. 1,851,102; Mar. 29.

Kalischer, Georg, and R. Schuele, Frankfort-on-the-Main, and H. Schindhelm, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Wool azo dyestuffs and making same. 1,856,217; May 3.

Kalischer, Georg, Frankfort-on-the-Main, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Wool dyestuffs and making same. 1,871,852; Aug. 16.

Kalischer, Georg, and H. Ritter, Frankfort-on-the-Main, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing amino-aldehyde compounds. 1,876,955; Sept. 13.

Kalischer, Georg, Frankfort-on-the-Main, H. Ritter, Frankfort-on-the-Main-Fechenheim, H. Scheyer and O. Bayer, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of pyrazolanthrone series and making same. 1,877,884; Sept. 20.

Kalischer, Milton, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Driving mechanism. 1,847,006; Feb. 23.

Kalish, Ralph, et al. (See Stern, Sadie, assignor.)

Kalix Cup Company. (See Benson, William E., assignor.)

Kalix, Johannes A., assignor to Union Chimique Belge, Societe Anonyme, Brussels, Belgium. Intensifier for photography. 1,882,426; Oct. 11.

Kalla, Alexander, Linden, N. J. Window. 1,888,766; Nov. 22.

Kallam, Floyd L., South Gate, Calif. Recovery of natural gasoline. 1,846,206; Feb. 23.

Kallander, Ernest L., Framingham, and R. F. Charles, Concord, assignors to Dennison Manufacturing Company, Framingham, Mass. Parchmentized crepe paper and making. 1,871,702; Aug. 16.

Kallay, Joseph W., Steubenville, Ohio, assignor to Jackson & Perkins Company, Newark, N. Y. Climbing rose. Pl. Pt. 10; Mar. 8.

Kalle & Co. Aktiengesellschaft. (See Jerzykowski, Josef, assignor.)

Kalle & Co. Aktiengesellschaft. (See Neugebauer, Wilhelm, assignor.)

Kalle & Co. Aktiengesellschaft. (See Schmidt, Maximilian P., assignor.)

Kalle & Co., Aktiengesellschaft. (See Schmidt, M. P., and Krieger, assignors.)

Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., and Zahn, assignors.)

Kalle & Co. Aktiengesellschaft. (See Siemers, Erich, assignor.)

Kalle & Co. Aktiengesellschaft. (See Sprüngerts, E. W., and Franke, assignors.)

Kalle & Co. Aktiengesellschaft. (See Uhlrich, C. R., and von Stern, assignors.)

Kalle, Forsten, Sadie, Sweden. Electrothermic indicator. 1,885,049; Oct. 25.

Kalling, Bo M. S., and C. Von Delwig, Avesta, assignors to A. Johnson & Co., Stockholm, Sweden. Electric rotary furnace. 1,870,053; Aug. 2.

Kallner, Gerhard, Jda- und Marienhutte, near Saarau, assignor to "Silesia" Verein Chemischer Fabriken und Marienhutte, near Saarau, Silesia, Germany. Stabilizing natural and artificial types of caoutchouc. 1,862,270; June 7.

Kallus, Joseph L., Brooklyn, N. Y. Limb for toy figures. 1,892,278; Dec. 27.

Kalman Steel Company. (See Kessler, Harry A., assignor.)

Kalman Steel Company. (See White, William E., assignor.)

Kalmeijer, Arnoldus C. A., The Hague, Netherlands. Machine for shaping figures from fat- or butter-dough or other plastic material. 1,878,585; Sept. 20.

Kalo, Albert, Columbus, Ohio. Safety valve for gas burners. 1,856,641; May 3.

Kalschauer, Hans J. (See Isermann, S., and Kalschauer.)

Kaltenbach, Alois, and R. Volpp, Potsdam, Germany. Angle piece for dental boring, milling, and grinding tools. 1,855,970; Apr. 26.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Platen lock for car dumpers. 1,846,520; Feb. 23.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Car dumper. 1,846,970; Feb. 23.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Crane. 1,865,762; July 5.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Platen lock for car dumpers. 1,865,763; July 5.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Gate for material conveying chutes. 1,876,685; Sept. 13.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Car dumper chute control mechanism. 1,876,686; Sept. 13.

Kalvin, Jacob. (See Lowenthal, M., and Kalvin.)

Kamber, Adam, Youngstown, Ohio. Broom nailing machine. 1,851,708; Mar. 29.

Kamenstein, Meyer, Brooklyn, N. Y. Filing cabinet. 1,845,842; Feb. 16.

Kaminetsky, Max, Passaic, N. J. Forming metal laths. 1,862,221; June 7.

Kaminski, Frank I., Lobrville, Wis. Christmas tree holder. 1,855,762; Apr. 26.

Kaminski, John, Pasadena, Calif. Tongs for placing keepers on valve stems. 1,852,580; Apr. 5.

Kaminski, Stefan, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Holder for photographic image carriers. 1,857,724; May 10.

Kamm, Richard, Chicago, Ill. Brush preserving case. 1,869,753; Aug. 2.

Kammerdiner, James A., Los Angeles, Calif. Rotary jar. 1,860,675; May 31.

Kammerer Corporation. (See Jones, Winfield S., assignor.)

Kämmerer, Hans, Mannheim, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of dyestuffs containing chromium. 1,844,396; Feb. 9.

Kämmerer, Hans, Mannheim, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, inc., New York, N. Y. Manufacture of dyestuffs containing chromium. 1,844,397; Feb. 9.

Kämmerer, Hans, Mannheim, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of dyestuffs containing chromium. 1,844,398; Feb. 9.

Kammeyer, Edward, et al. (See Hildebrand, Elbert L., assignor.)

Kammüller, Karl, Frankfort-on-the-Main, Germany. Chamber water lock. 1,841,818; Jan. 19.

Kampes, Herman, Essen, Germany. Yielding joint strip for thresholds and sills. 1,867,010; July 12.

Kämpf, Adolf, Dessau-Ziebigk, assignor to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Precipitating bath for making threads or the like from viscose. 1,868,577; July 26.

Kämpf, Adolf, Dessau-Ziebigk, in Anhalt, and A. Hager Wolfen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for preparing highly uniform solutions for the manufacture of artificial products. 1,877,337; Sept. 13.

Kamrath Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air filter. 1,863,015; June 14.

Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Muffler and air cleaner. 1,872,752; Aug. 23.

Kan, Daniel M., et al. (See Prins, Peter L., assignor.)

Kan, Marinus L., et al. (See Prins, Peter L., assignor.)

Kanabay, E. Joseph. (See Benoit, L., and Kanabay.)

Kanawha Manufacturing Company. (See Whittaker, Robert E., assignor.)

Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power system. 1,841,605; Jan. 19.

Kane, Louis M., et al. (See Martin, Charles H., assignor.)

Kane Manufacturing Company. (See Fowler, T. S., and Ward, assignors.)

Kane Manufacturing Company. (See Ward, Lawrence T. assignor.)

Kane, Paul, Neuss, Germany, assignor to International Harvester Company, Harvester, N. J. Motor. 1,874,354; Aug. 30.

Kane, Peter. (See Andreasen, W. R. G., and Toleman, assignors.)

Kane, Thomas A., McMinnville, Oreg. Direction signal for automobiles. 1,860,034; May 24.

Kane, Thomas E., Mansfield, Mass., assignor to The Textile-Finishing Machinery Company. Calendering machine. 1,879,921; Sept. 27.

Kanengeiser, Fred R., Poland, assignor to The Metropolitan Paving Brick Company, Canton, Ohio. Pipe structure. 1,874,303; Aug. 30.

Kanis, Oswin. (See Hofmann, A., and Kanis.)

Kann, Nathan. (See Goldschmidt, Rudolf, assignor.)

Kanne, Karl, Berlin, Germany. Mask for welding and like operations. 1,842,675; Jan. 26.

Kannenberg, Walter F. (See Chesnut, R. W., Terry, and Kannenberg.)

Kanolt, Clarence W., New York, N. Y. Depthograph plate holder. 1,874,047; Aug. 30.

Kanolt, Clarence W., New York, N. Y. Production of stereoscopic motion pictures. 1,882,646; Oct. 11.

Kanolt, Clarence W., New York, N. Y. Illuminated display case. 1,882,647; Oct. 11.

Kanolt, Clarence W., New York, N. Y. Production of stereoscopic pictures. 1,882,648; Oct. 11.

Kantenwein, Oscar E., Oak Park, Ill., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,861,500; June 7.

Kanter, Edward, Cleveland Heights, Ohio. Dispensing device. Des. 86,940; Jan. 6.

Kanter, Edward, Cleveland Heights, Ohio. Vending machine. Des. 85,941; Jan. 5.

Kanter, Edward, Cleveland Heights, Ohio. Table. Des. 86,132; Feb. 2.

Kanter, Edward, Cleveland Heights, Ohio. Seat. Des. 86,133; Feb. 2.

Kanter, Edward, Cleveland Heights, Ohio. Combination fountain penholder and statuette. Des. 86,526; Mar. 15.

Kanter, Jerome J., assignor to Crane Co., Chicago, Ill. Method and apparatus for controlling temperatures. 1,873,421; Aug. 23.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Automatic bottle filling machine. 1,847,485; Mar. 1.

Kantor, James, assignor to Liquid Carbonic Corporation, Chicago, Ill. Carbonator. 1,862,089; June 7.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle crowning machine. 1,863,223; June 14.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Automatic control mechanism. 1,870,998; Aug. 9.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Crowning mechanism. 1,870,999; Aug. 9.

Kantor, James, and C. H. Miller, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling machine. 1,862,090; June 7.

Kantskuf Heel Corporation. (See Smith, Gardner M., assignor.)

Kant Slip Plier & Tool Company. (See Allan, Allen C., assignor.)

Kantzler, Leopold J., Bay City, Mich. Building construction. 1,880,453; Oct. 4.

Käpernick, Georg F., Frankfort-on-the-Main, Germany. Model fitting head for opticians. 1,868,209; July 19.

Kapikian, Peter R., Astoria, N. Y. Ash tray. Des. 87,526; Aug. 9.

Kapitza, Pierre, and G. V. Lomonossoff, Cambridge, England. Power transmission means. 1,886,692; Nov. 8.

Kapitzky, Myrtle M., Cleveland, Ohio. Hose supporter. 1,856,958; May 3.

Kaplan, Benjamin B., assignor of one-half to D. B. Reger, Morgantown, W. Va. Purifying water. 1,878,525; Sept. 20.

Kaplan, Harry, New York, N. Y. Embossing panels on cardboard. 1,862,091; June 7.

Kaplan, Harry E., and B. L. Bauer, Chicago, Ill. Automobile top. 1,860,463; May 31.

Kaplan, Louis J., Greenwich, Ohio, and L. B. Meyerson, Philadelphia, Pa., assignors, by mesne assignments, to The Kitchen Kardell Corporation, Greenwich, Ohio. Kitchen utensil. 1,875,813; Sept. 6.

Kaplan, Max, New York, N. Y. Placque, pecket mirror, and like display device. 1,853,902; Apr. 12.

Kaplan, Rae C., and M. C. Elperin, New York, N. Y.; said Elperin assignor to said Kaplan. Wave cap. 1,845,606; Feb. 16.

Kaplan, Reuben A., assignor to Owatonna Tool Company, Owatonna, Minn. Method of and apparatus for removing hubs. 1,859,750; Dec. 6.

Kapner, Charles, Bellaire, Ohio. Drip coffee maker. 1,887,354; Nov. 8.

Kapoor, John S., Bridgeport, Conn. Rake. 1,851,047; Mar. 29.

Kappeler, Hans, assignor to Society of Chemical Industry, in Basle, Basel, Switzerland. Aldehyde condensation products and the process of making same. 1,873,599; Aug. 23.

Kappelly, Joseph, New York, N. Y. Bottle cover. 1,843,325; Feb. 2.

Kappes, Walter R., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Making structural material. 1,865,192; June 28.

Käppler, Paul, Dresden, Germany. Ribbon reverse for typewriters and like machines. 1,876,696; Sept. 13.

Kaps, Frank J., Jersey City, N. J. Bottle closure. 1,867,570; July 19.

Kapsenberg, Gerardus, Groningen, Netherlands. Closing device for organism culture vessels. 1,861,121; May 31.

Karageorge, James, Chicago, Ill. Fan blade. 1,872,749; Aug. 23.

Karagheusian, A. & M., Inc. (See Kennedy, Martin, assignor.)

Karahadian, Kay, Los Angeles, Calif., assignor to Hollywood Knitting Mills, Inc. Knitted sweater. 1,890,385; Dec. 6.

Karasick, Samuel, Mount Vernon, N. Y. Rotary pump. 1,854,157; Apr. 12.

Karcher, John C., Montclair, N. J., assignor to Geophysical Research Corporation, New York, N. Y. Determination of subsurface formation. 1,843,725; Feb. 2.

Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 85,942; Jan. 5.

Karfiol, Edward, Brooklyn, N. Y. Shelf-paper. Des. 87,306; July 5.

Karfiol, Edward, New York, N. Y. Dolly. Des. 87,307; July 5.

Karfiol, Edward, New York, N. Y. Shelf paper. Des. 87,719; Sept. 6.

Karfiol, Edward, New York, N. Y. Shelf paper. Des. 87,839; Sept. 27.

Karfiol Edward, New York, N. Y. Dolly. Des. 88,654; Dec. 13.

Karger, Eric R., assignor to The Union Lithograph Co., Inc., Los Angeles, Calif. Safety paper. Des. 86,315; Feb. 23.

Karibo, Edmond C. (See Pearce, E. S., and Karibo.)

Karibo, Edmond C. (See Pearce, E. S., Retterer, and Karibo.)

Karich, Rudolph R. (See Gluck, J., and Karich.)

Karitzky, John. (See Pleister, H. W., and Karitzky.)

Karitzky, John, assignor to H. B. Newhall Corporation, Garwood, N. J. Torsional spring toggle. 1,845,283; Feb. 16.

Karkau, Albert G., assignor to J. A. Williams, Cleveland, Ohio. Igniter. 1,869,814; Aug. 2.

Karl, Charles, Peoria, Ill. Detachment mechanism for cutter bars. 1,871,323; Aug. 9.

Karl, George E., assignor to The Dunham Company, Berea, Ohio. Transporting and depth regulating wheel. 1,884,719; Oct. 25.

Karl, George E., assignor, by mesne assignments, to The Dunham Company, Berea, Ohio. Rotary hoe cultivator. 1,884,720; Oct. 25.

Karl, Heinrich, Jersey City, N. J. Internal combustion motor. 1,865,013; June 28.

Karl, Heinrich, Jersey City, N. J. Automatic device for horseless vehicles for the protection of pedestrians and the vehicle itself. 1,865,014; June 28.

Karlberg, David E. (See Carlberg, Carl S., assignor.)

Karle, John D., Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Centrifugal clutch. 1,859,334; May 24.

Karlovitch, Thomas, and J. Sebes, Mount Carmel, Pa. Classifying apparatus. 1,871,703; Aug. 16.

Karn, Martin N., and W. Boucher, Three Rivers, Quebec, Canada. Sheet carrier control mechanism. 1,843,770; Feb. 2.

Karlsen, Henry, Oslo, assignor to A. Hanneborg, Haugrim, Urskog, Holand, Norway. Ditching machine. 1,851,254; Mar. 29.

Karlson, August, Warren, Pa. Extensible table. 1,887,266; Nov. 8.

Karlson, Knut. (See Pierce, G. L., and Karlson.)

Karlström, Fredrik J. R., and J. V. Nord, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Household appliance. 1,861,924; June 7.

Karmazin, John, Detroit, Mich. Radiator construction. 1,870,012; Aug. 2.

Karnes, James C., Buffalo, N. Y. Independent line of sights for guns. 1,859,564; May 24.

Karnes, James C., Buffalo, N. Y. Aim registering target. 1,889,202; Nov. 29.

Karnes, James C., Buffalo, N. Y., and G. J. Kessenich, Madison, Wis. Testing sealed containers and testing containers. 1,843,234; Feb. 2.

Karnes, Orin Caldwell, Tex. Display stand. 1,850,079; Mar. 22.

Karns, George M., Pittsburgh, Pa., assignor to Iodine Educational Bureau, Inc. Surgical material. 1,867,222; July 12.

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Receiver arrangement for electric television apparatus. Re18,537; July 19.

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Mirror wheel for television systems. 1,850,629; Mar. 22.

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Synchronizing arrangement. 1,856,076; May 3.

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Instantaneous control of light. 1,885,604; Nov. 1.

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Television system. 1,889,990; Dec. 6.

Karollus, Edmund, Vienna, Austria. Fire-damp proof time fuse. 1,856,442; May 3.

Karpen, King, Chicago, Ill., assignor to S. Karpen & Bros. Safety seat grip. 1,875,614; Sept. 6.

Karpen, S., & Bros. (See Hultgren, Charles R., assignor.)

Karpen, S., & Bros. (See Karpen, King, assignor.)

Karpen, S., & Bros. (See Karpen, Solomon, assignor.)

Karpen, S., & Bros. (See Karpen, S., and Lofman, assignors.)

Karpen, S., & Bros. (See Schneider, B. R., and Kaiser, assignors.)

Karpen, Solomon, assignor to S. Karpen & Bros., Chicago, Ill. Sofa-bed. 1,878,405; Sept. 20.

Karpen, Solomon, and C. Lofman, assignors to S. Karpen & Bros., Chicago, Ill. Spring structure. 1,882,649; Oct. 11.

Karper, Abraham S., New York, N. Y. Closure. 1,878,406; Sept. 20.

Karpf, Alfred H., Rochester, N. Y. Wrist watch protector. 1,857,195; May 10.

Karplus, Eduard, Berlin-Tempelhof, Germany. Coupling arrangement for compensated high frequency amplifiers. 1,856,709; May 3.

Karpov, Alexander V., Pittsburgh, Pa. Dam. 1,885,057; Oct. 25.

Karr, Alfred D., Newark, N. J., and K. D. Perkins, New York, N. Y., assignors to Audiffren Refrigerating Machine Company, New York, N. Y. Air conditioning. 1,846,875; Feb. 23.

Karr, Allen P. (See Sommers, N., and Karr.)

Karr, Charles J., Holland, Mich. Pad holder. 1,841,410; Jan. 19.

Karr, Francis, Holland, Mich. Spring assembly. 1,887,058; Nov. 8.

Karr, George, Silver City, N. Mex., assignor to Explosive Bait Corporation—No Stockholders' Liability. Trap gun. 1,884,721; Oct. 25.

Karr, Harold H., San Diego, Calif. Airplane. 1,842,613; Jan. 26.

Karrer, Enoch, Akron, Ohio. Electric switch. 1,865,697; July 5.

Karrer, Enoch, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Weighing. 1,885,356; Nov. 1.

Karrer, Walter, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Glucoside of adonis vernalis L. and making same. 1,849,576; Mar. 15.

Karrer, Walter, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of difficultly water-soluble glucoside of adonis vernalis. 1,849,577; Mar. 15.

Karrier Motors Limited. (See Moncrieff, A. H. D., and Shearman, assignors.)

Karry Kart Incorporated. (See Montgomery, Letty M., assignor.)

Karshner, George C., Detroit, Mich. Automatic fertilizer. 1,871,529; Aug. 16.

Karsoe, Willart A., Flint, Mich. Auto wheel jack. 1,846,971; Feb. 23.

Karsten, Fred, and D. A. Runnion, Honolulu, Territory of Hawaii. Automatic automobile brake. 1,855,057; Apr. 19.

Karsten, Peter, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik Sommerda Aktiengesellschaft, and F. Fraudi, Sommerda, Germany. Brake valve. 1,843,425; Feb. 2.

Karstrom, Charles E., Barrington, assignor to Safety Mining Company, Chicago, Ill. Blasting method and apparatus. 1,886,960; Nov. 8.

Karthaus, Leonardus J. G., Neerbosch, Netherlands. Air moistening apparatus for incubators. 1,890,610; Dec. 13.

Karvaly, Hugo. (See Thoerig, C. W., and Jetilek, assignors.)

Karvelchvili, Alexandre, and E. Chagniard, assignors to Chagnkart International Aviation Corporation, New York, N. Y. Coupling device. 1,856,870; May 3.

Karwoski, Joseph, Watervliet, N. Y. Folding chair. 1,845,921; Feb. 16.

Kasan, Louis, New York, N. Y. Awning. 1,882,425; Oct. 11.

Kasantzeff, Florentin, Berlin, Germany. Triple valve for automatic railway brakes. 1,890,087; Dec. 6.

Kasantzeff, Florentin, Berlin, Germany. Triple valve for direct acting railway brakes. 1,890,088; Dec. 6.

Kasdan, Nathan, New York, N. Y. Mascara case. 1,854,178; Mar. 8.

Kasdan, Nathan, assignor to Majestic Metal Specialties, Inc., New York, N. Y. Loose powder container. 1,847,948; Mar. 1.

Kasdan, Nathan, and R. F. Landwehr, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Loose powder dispenser. 1,847,949; Mar. 1.

Kasdan, Nathan, New York, and R. Landwehr, Woodside, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Loose powder container. 1,855,170; Apr. 19.

Kasdin, Nathan, R. F. Landwehr, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Powder dispenser. 1,863,856; June 21.

Kase, Tsutomu. (See Honda, K., and Kase.)

Kaseberg, Theodore, Granite City, Ill., assignor to The American Car and Foundry Company, New York, N. Y. Structural steel working machine. 1,851,845; Mar. 29.

Kaselitz, Oscar, Berlin, Germany. Producing compounds of the carnallite type. 1,875,013; Aug. 30.

Kaselitz, Oscar, Berlin, Germany. Production of alkali metal nitrates. 1,875,014; Aug. 30.

Kaselitz, Oscar, Berlin, Germany. Producing magnesium ammonium phosphate. 1,881,195; Oct. 4.

Kaselitz, Oscar, and W. Katz, Berlin, Germany. Recovery of nitrogen oxides. 1,865,917; July 5.

Kaser, Ernst. (See Henter, Mathias.)

Kashman, Jacob, New York, N. Y. Collar form preserver. 1,882,622; Oct. 11.

Kasnicks, Joseph F., Cicero, Ill. Device for treating and preventing insect bites. 1,882,018; Oct. 11.

Kasparian, Mehran, Jersey City, N. J., assignor of one-half to J. Fanarjian, Jersey City, N. J., and one-half to P. M., J. M., and J. M. Hammalian. Foldable desk. 1,885,835; Nov. 1.

Kasper, Alvin F., Potter, Wis. Trap. 1,870,124; Aug. 2.

Kasper, Christian J., Rochester, N. Y. Automatic spring motor curtain control. 1,882,623; Oct. 11.

Kass, Harry, Brooklyn, N. Y. Self-fitting apron. 1,888,629; Nov. 22.

Kass, Samuel M., Philadelphia, Pa. Hose connection for faucets. 1,868,798; July 26.

Kasser Egg Process Co. (See Kasser, Morris, assignor.)

Kasser, Morris, San Francisco, Calif. Egg treatment machine. 1,876,688; Sept. 13.

Kasser, Morris, assignor to Kasser Egg Process Co., San Francisco, Calif. Egg processing machine. 1,866,809; July 12.

Kassler, Adolph. (See Elder, T. W., jr., and Kassler.)

Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,856,190; May 3.

Kast, Wilber J. B. (See Hike, W. M., and Kast.)

Kastein, W. E., et al. (See Hopkins, Durward K., assignor.)

Kastel, Emil, Magdeburg, Germany, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Rotary cutter. 1,844,660; Feb. 9.

Kasten, Ferdinand. (See Champlin, S. H., Cutter, Kasten, and Butte.)

Kasten, Walter, assignor to Skinner Motors, Inc., Detroit, Mich. Internal combustion engine valve mechanism. 1,862,222; June 7.

Kaster, Howard B., Berkeley, assignor to Kaster Spherant Company, Alameda County, Calif. Position finder. 1,852,166; Apr. 5.

Kaster Spherant Company. (See Kaster, Howard B., assignor.)

Kastert, Wilhelm, Mulheim-Ruhr, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Manufacture of blade disks for radial admission turbines. 1,888,508; Nov. 22.

Kastler, Edward L., Flossmoor, assignor to The Buda Company, Harvey, Ill. Motor. 1,876,956; Sept. 13.

Kastner, Edward C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacture of rubber conduits. 1,876,241; Sept. 6.

Kastner, Ernest C., Newark, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Clip. 1,881,653; Oct. 11.

Kastner, Ernest C., Newark, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Clip. 1,881,654; Oct. 11.

Kastor, Alfred B. (See Zeidler, William A., assignor.)

Katalyn, Inc. (See Krause, Georg A., assignor.)

Katcher, Samuel. (See Rabinowitz, Murray, assignor.)

Kath, Alfred W., and B. W. Scott, assigners to Arthur Colton Company, Detroit, Mich. Machine for stacking lozenges. 1,852,657; Apr. 5.

Katich, Theodore S., St. Louis, Mo. Fishing hook. 1,878,635; Sept. 20.

Katscher, Sigmund, Vienna, Austria. Sound box guiding mechanism. 1,855,058; Apr. 19.

Kattau, Hans, and E. Roloson, Groton, assignors to L C Smith & Corona Typewriters Inc., New York, N. Y. Casing for a typewriting machine. Des. 86,842; Apr. 26.

Kattau, Harry, and E. Roloson, Groton, assignors to L C Smith & Corona Typewriters Inc., New York, N. Y. Detachable plate for a casing for a typewriting machine. Des. 86,843; Apr. 26.

Katterjohn, August H., assignor to Gardner-Denver Company, Denver, Colo. Fluid operated tool. 1,869,595; Aug. 2.

Kattwinkel, Hans, Coswig, Germany. Apparatus for applying tangential grippers to the laminations of friction clutches and the like. 1,842,406; Jan. 26.

Kattwinkel, Hans, Coswig, Germany. Frictional body for couplings and the like and making same. 1,846,560; Feb. 23.

Katz, Abraham M., assignor to Ideal Novelty & Toy Company, Brooklyn, N. Y. Doll construction. 1,876,458; Sept. 6.

Katz, Alexander S., Brooklyn, N. Y. Latch or similar article. Des. 86,377; Mar. 1.

Katz, Alexander S., Brooklyn, N. Y. Striker for doorlocks. Des. 86,515; Aug. 2.

Katz, Alexander S., Brooklyn, N. Y. Lock. 1,884,722; Oct. 25.

Katz, Benjamin S., Brooklyn, N. Y. Tire. 1,881,655; Oct. 11.

Katz, Ernst, Vienna, Austria. Producing leather imitation, particularly an imitation of the so-called antique leather. 1,858,859; May 17.

Katz, Eugen, Berlin, Germany, assignor to Keyes Container Corporation, Boston, Mass. Manufacture of hollow bodies from fibrous pulp. 1,845,970; Feb. 16.

Katz, Eugen, Berlin-Charlottenburg, Germany, assignor to Keyes Container Corporation, Boston, Mass. Explosive device and the like. 1,845,971; Feb. 16.

Katz, Eugen, Berlin-Charlottenburg, Germany, assignor to Keyes Container Corporation, Boston, Mass. Method and apparatus for molding hollow pulp articles. 1,845,972; Feb. 16.

Katz, George J., St. Paul, Minn. Automatic stop. 1,887,596; Nov. 15.

Katz, Jack F. (See Brandfon, S., and Katz.)

Katz, Martin, Brooklyn, N. Y. Glass mounting for windows. 1,845,607; Feb. 16.

Katz, Russell S., Hamilton, Ohio. Illuminating device. 1,871,999; Aug. 16.

Katz, Walter. (See Kaselitz, O., and Katz.)

Katzenberger, Martin, St. Louis, Mo. Fluid motor. 1,850,721; Mar. 22.

Katzenmoyer, Harry E., Rosedale, assignor to Fisher Hosiery Co. Inc., Reading, Pa. Method and apparatus for cutting off float threads. 1,859,094; May 17.

Katzenmoyer, Harry E., Rosedale, assignor to Fisher Hosiery Co. Inc., Reading, Pa. Package box. 1,859,095; May 17.

Katzenmoyer, Harry E., Rosedale, assignor to Fisher Hosiery Co. Inc., Reading, Pa. Hosiery drying form. 1,859,096; May 17.

Katzenmoyer, Harry E., Rosedale, assignor to Fisher Hosiery Co. Inc., Reading, Pa. Seamless stocking and making the same. 1,872,964; Aug. 23.

Katzman, Harris, Brooklyn, N. Y. Cabinet. 1,877,514; Sept. 13.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,153; Nov. 1.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,154; Nov. 1.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,155; Nov. 1.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,207; Nov. 1.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,208; Nov. 1.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,231; Nov. 8.

Katzman, Herbert, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,556; Dec. 6.

Katzman, Max, Utica, N. Y. Electric vaporizer. 1,879,297; Sept. 27.

Katzman, Morris, East Orange, N. J. Vehicle seat and toy construction. 1,841,290; Jan. 12.

Kauer, Ernest. (See Coby, G., and Kauer.)

Kauffman, Albert J., Chicago, Ill., assignor to Adometer Corporation of America, New York, N. Y. Advertising exhibitor. 1,877,406; Sept. 13.

Kauffman, Benjamin H., assignor to Armstrong Cork Company, Lancaster, Pa. Covering unit and making the same. 1,845,419; Feb. 16.

Kauffman, Clayton O., Santa Ana, Calif. Apparatus for producing tremolo effects. 1,839,395; Jan. 5.

Kauffman, Edmund J., assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Ingot and mold for making the same. 1,870,365; Aug. 9.

Kauffman, Edmund J., Girard, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Ingot mold. 1,871,324; Aug. 9.

Kauffman, Edmund J., Girard, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Support for hot tops. 1,874,304; Aug. 30.

Kauffman, Ernest J. (See Jacobson, F. J., and Kauffman.)

Kauffman, Paul R., assignor to McCleary Hydraulic Brake Company, Seattle, Wash. Hydraulic brake. 1,891,793; Dec. 20.

Kauffman, Thomas J., Grosse Pointe Village, and J. A. Widmer, assignors to Square D Company, Detroit, Mich. Electrical switch. 1,862,224; June 14.

Kauffman, Walter L., Youngstown, Ohio. Combination handle and strap holder. 1,849,933; Mar. 15.

Kaufhold, Harry L. (See Weaver, Walter E., assignor.)

Kaufman, Abraham, Bronx, N. Y. Window guard. 1,858,671; May 17.

Kaufman Department Stores, Inc. (See Crumpton, Kenneth R., assignor.)

Kaufman, Dorothy, New York, N. Y. Plaited curtain. 1,885,916; Nov. 1.

Kaufman, Henry L., Newton, Mass. Pail protector. 1,864,200; June 21.

Kaufman, Isaac, et al. (See Zaiden, David, assignor.)

Kaufman, Jacob, et al. (See Zaiden, David, assignor.)

Kaufman, Phillip H., Cleveland Heights, Ohio. Tablet and ruling attachment therefor. 1,859,561; Jan. 5.

Kaufman, Samuel, et al. (See Zaiden, David, assignor.)

Kaufman, Walter F., assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of embossed flexible hard surfaced coverings. 1,850,630; Mar. 22.

Kaufman, Walter F., assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of embossed straight line linoleum. 1,850,631; Mar. 22.

Kaufman, Wolff, Paterson, assignor to S. E. Darby, jr., Palisade, N. J. Radiocircuit. 1,850,110; Mar. 22.

Kaufmann, Antoine A., Geneva, Switzerland. Manufacture of glycidic acids. 1,858,551; May 17.

Kaufmann, Antoine A., Geneva, Switzerland. Separation of alcohols and phenols from mixtures. 1,886,385; Nov. 8.

Kaufmann, Ary, South Orange, N. J., assignor to K. Kaufmann & Co., Inc., Newark, N. J. Clip. 1,859,970; May 24.

Kaufmann, Frederick C. (See Lindmark, E. S., and Kaufmann.)

Kaufmann, Hans, Jena, Germany. Preparing compounds of alkaline earth metal nitrites with methyl xanthines and the products. 1,865,111; June 28.

Kaufmann, Hans P., Jena, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Introducing sulphocyanic groups in aliphatic compounds. 1,859,399; May 24.

Kaufmann, Ida, New York, N. Y. Lip guard. 1,882,019; Oct. 11.

Kaufmann, James J., Bayside, assignor to Doughnut Machine Corporation, New York, N. Y. Coating apparatus. 1,842,101; Jan. 19.

Kaufmann, K., & Co. (See Kaufmann, Ary, assignor.)

Kaufmann, Siegfried H. (See Taplin, Harold J., assignor.)

Kaufmann, Werner R., East Elmhurst, Long Island, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,557; Dec. 6.

Kaufmann, Werner R., East Elmhurst, Long Island, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,797; Dec. 27.

Kaufmann, Werner R., East Elmhurst, Long Island, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,798; Dec. 27.

Kaul, John, Irvington, assignor to Arcturus Radio Tube Company, Newark, N. J. Insulating coating for filaments and method of applying the same. 1,874,542; Aug. 30.

Kaulke, Johannes, Newark, N. J. Microscope. 1,845,796; Feb. 16.

Kaumagraph Company. (See Winthrop, Stanley L., assignor.)

Kaumans, John N., and E. Bridges, Montrose, Mo. Drill jar. 1,882,149; Oct. 11.

Kaup, Edgar O. (See Dudley, W. L., and Kaup.)

Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Rotary hoe. 1,844,255; Feb. 9.

Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Lister drive. 1,878,407; Sept. 20.

Kaustine Company. (See Bennett, Thomas, assignor.)

Kautenberg, W. E., Co. (See Morgan, Bernard, assignor.)

Kautz, Arthur C. (See Kohler, A. F. H., and Kautz.)

Kautzky, Jos., jr., Fort Dodge, Iowa. Level-wind fishing reel. 1,862,683; June 14.

Kavanagh, James E., Calumet City, Ill., assignor to The Superheater Company, New York, N. Y. Superheater boiler. 1,883,931; Oct. 25.

Kawaguchi, Nao, Montebello, Calif. Making silk fiber sheet. 1,862,019. June 7.

Kawai, Yoshisada, Seattle, Wash. Medicinal apparatus. 1,866,772; July 12.

Kawneer Company, The. (See Eaglesfield, Frederick R., assignor.)

Kawneer Company, The. (See Kneesbaw, George R., assignor.)

Kawneer Company, The. (See Liebetrau, Ernest J., assignor.)

Kawneer Company, The. (See Pirm, Francis J., assignor.)

Kawrertzke, Robert, Köster Wennigsen in Deister, Germany. Instrument for adjusting the teeth. 1,881,196; Oct. 4.

Kay-Brunner Steel Products, Inc. (See Harrison, Arthur W., assignor.)

Kay-Brunner Steel Products Inc. (See Kay, Lloyd D., assignor.)

Kay & Ess Co., The. (See Phillippi, Dale M., assignor.)

Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Truck wheel. 1,852,615; Apr. 5.

Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Truck wheel. 1,873,600; Aug. 23.

Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Hub construction for truck wheels. 1,874,192; Aug. 30.

Kay Manufacturing Co. (See Levine, Mac, assignor.)

Kay, Norman, Jobos, Porto Rico. Cane mill roll. 1,859,844; May 24.

Kay, Oscar J., Glendale, Calif. Valve actuating mechanism. Re18,531; July 19.

Kay, Oscar J., assignor to Federal Water Heater Corporation, Los Angeles, Calif. Thermostatic control for water heaters. 1,844,320; Feb. 9.

Kay, Oscar J., assignor to General Water Heater Corporation, Los Angeles, Calif. Thermostatic temperature control. 1,844,321; Feb. 9.

Kay, Wesley B. (See Hamblen, J. B., and Kay.)

Kayden, Gustave L., New York, N. Y. Airship. 1,868,664; July 26.

Kaye, James W., assignor to Kaye & MacDonald, Inc., West Orange, N. J. Automatic water logging float for steam traps. 1,880,204; Oct. 4.

Kaye & MacDonald, Inc. (See Kaye, James W., assignor.)

Kayko, Charles J. (See Browne, T. C., and Kayko.)

Kaylor, Harry W. (See Nelson, Ole A., assignor.)

Kaymo Electric Speed Boat Corporation, Ltd. (See Grier, Kenneth M., assignor.)

Kayness Corporation. (See Scollard, R. L., and Ketchbaw, assignors.)

Kayser, Daniel P. A. A., Paris, France. Electric flashlight. 1,876,058; Sept. 6.

Kayser, Erich, Frankfort-on-the-Main-Griesheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bleaching vegetable fibrous substances. 1,887,412; Nov. 8.

Kayser, Frank, Toledo, Ohio. Dispensing apparatus. 1,879,298; Sept. 27.

Kayser Hosiery Motor-Mend Corporation. (See Anderson, Victor, assignor.)

Kayser Hosiery Motor-Mend Corporation. (See Mandellick, Charles E., assignor.)

Kayser Hosiery Motor-Ment Corporation. (See Walker, George T., assignor.)

Kayser, Julius, & Co. (See Mack, Sterling C., assignor.)

Kayser, Julius & Co. (See Mutchler, A. W., and Leopold, assignors.)

Kayser, Otto B., Lynnville, Iowa. Shirt and sock support. 1,883,097; Mar. 17.

Kazanji, William, New York, N. Y. Fur cutting machine. 1,839,969; Jan. 5.

Kazanjian, Calvin K., Naugatuck, Conn., assignor to J. N. Collins Company, Frankford, Pa. Candy display container. Des. 86,031; Jan. 19.

Kazenmaier, August, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Vacuum operated servo brake. 1,861,534; June 7.

Kazenmaier, August, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Automatic ignition control for internal combustion engines. 1,863,857; June 21.

Kazenmaier, August, assignor to Robert Bosch, Aktiengesellschaft, Stuttgart, Germany. Brake mechanism. 1,867,078; July 12.

Kazenmaier, August, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Carburetor. 1,885,933; Oct. 25.

Kazenmaier, August, and W. Dorn, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric condenser. 1,883,932; Oct. 25.

Kazowski, John, assignor to J. Silverman, Chicago, Ill. Kneeling bench. 1,890,815; Dec. 13.

Keale, Charles F., jr., Stewart Manor, Long Island, New York. Aerial camera. 1,880,960; Oct. 4.

Kean, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,881,656; Oct. 11.

Kean, Gerald F., Homestead, Pa. Dispensing device. 1,886,106; Nov. 1.

Kean, Joseph E., Homewood, Ala. Locking device for automobile wire wheels. 1,851,911; Mar. 29.

Kean, Robert H., assignor to General Zeolite Company, Chicago, Ill. Liquid purification. 1,840,105; Jan. 5.

Kean, Robert H., assignor to General Zeolite Company, Chicago, Ill. Liquid purification. 1,860,676; May 31.

Kean, Robert H., assignor to General Zeolite Company, Chicago, Ill. Liquid treatment. 1,869,153; July 26.

Kearfott Engineering Company. (See Kraemer, Waldo L., assignor.)

Kearney, Daniel P., Detroit, Mich., assignor to Eclipse Machine Company, Elmira, N. Y. Starting mechanism. 1,870,366; Aug. 9.

Kearney, Daniel P., Detroit, Mich., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starting mechanism. 1,876,367; Aug. 9.

Kearney, Daniel P., Detroit, Mich., assignor to Eclipse Machine Company, Elmira, N. Y. Rebound check for starter drives. 1,883,377; Oct. 18.

Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Fluid operated means for support movement. 1,845,797; Feb. 16.

Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,866,259; July 5.

Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,874,305; Aug. 30.

Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Attachment spindle clamp. 1,875,739; Sept. 6.

Kearney, Edward J., and J. B. Armitage, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis., Machine tool. 1,879,292; Sept. 27.

Kearney, James R., Corporation. (See Fisks, Harold C., assignor.)

Kearney, James R., Corporation. (See Hoffman, Joseph D. F., assignor.)

Kearney, James R., Corporation. (See Menefee, Elmer, assignor.)

Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)

Kearney & Trecker Corporation. (See Armitage, J. B., and Saving, assignors.)

Kearney & Trecker Corporation. (See Curtis, Frank W., assignor.)

Kearney & Trecker Corporation. (See Kearney, Edward J., assignor.)

Kearney & Trecker Corporation. (See Kearney, E. J., and Armitage, assignors.)

Kearney & Trecker Corporation. (See Mirzejewski, John A., assignor.)

Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)

Kearney & Trecker Corporation. (See Trecker, Theodore, assignor.)

Kearns, Bernard A. (See Haas, F. S., and Kearns.)

Kearsley, Richard A. (See Draper, C. H., and Kearsley.)

Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company, Apparatus for and method of operating rectifying load devices. 1,890,230; Dec. 6.

Keas, Harriet A., administratrix. (See Kellogg, William S.)

Keasbey & Mattison Company. (See Morris, William H., assignor.)

Keath, Howard B., Richmond Heights, assignor to Wagner Electric Corporation, St. Louis, Mo. Air cooled transformer. 1,851,040; Mar. 29.

Keating, Arthur E. (See Curtis, H. B., and Keating.)

Keating, Frank, assignor to Hinze Ambrosia, Inc., New York, N. Y. Bottle. Des. 86,460; Mar. 8.

Keating, James P., assignor to Neenah Foundry Company, Neenah, Wis. Manhole closure. 1,859,739; May 24.

Keating, Maurice H. (See Cuff, F. A., and Keating.)

Keating, Maurice H., and A. W. Kegler, assignors to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Trough. 1,851,847; Mar. 29.

Keck, Harry E., Pittsburgh, Pa. Apparatus for icing layer cakes. 1,859,971; May 24.

Keckler, Charles W., Summit, and A. E. Hague, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time of day announcing system. 1,863,137; June 14.

Keebler, Henry C., Secaucus, N. J. Collapsible tube closure. 1,860,318; May 24.

Keech, Dana E. (See Harris, R. L., and Keech.)

Keech, Vernon L., Duluth, Minn. Railroad tie. 1,842,407; Jan. 26.

Keech, Vernon L., Duluth, Minn. Rail and tie fastener. 1,870,631; Aug. 9.

Keefe, Lincoln M., Brighton, assignor of one-half to K. Schorr, Boston, Mass. Blade for windshield wipers. 1,839,484; Jan. 5.
Keefe, Thomas M., Boston, assignor to J. P. Eustis Manufacturing Company, Cambridge, Mass. Supporting device. 1,891,048; Dec. 13.
Keefer, Walter L., assignor to The Wolf Company, Chambersburg, Pa. Attrition mill. 1,847,967; Mar. 1.
Keele, Ralph M., assignor to Duart Manufacturing Co. Ltd., San Francisco, Calif. Hair waving apparatus. 1,842,508; Jan. 26.
Keele, Ralph M., assignor, by mesne assignments, to Duart Manufacturing Co., Ltd., San Francisco, Calif. Hair waving apparatus and method. 1,855,553; Apr. 26.
Keele, Ralph M., assignor, by mesne assignments, to Duart Manufacturing Co. Ltd., San Francisco, Calif. Hair waving device. 1,859,366; May 24.
Keele, Ralph M., assignor, by mesne assignments, to Duart Manufacturing Co. Ltd., San Francisco, Calif. Hair waving apparatus. 1,859,367; May 24.
Keele, Ralph M., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus and method. 1,851,556; Nov. 15.
Keele, Ralph M., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving tool. 1,859,512; Dec. 13.
Keeler, Andrew L., Troy, N. Y. Furnace wall. 1,868,171; July 19.
Keeler Brass Company. (See Haan, Gilbert J., jr., assignor.)
Keeler Brass Company. (See Keeler, Isaac S., assignor.)
Keeler, Burrell A. (See Benzer, Karl A., assignor.)
Keeler, Irving J., Sidney, N. Y. Assembling elevator lifting mechanism for typographical machines. 1,866,976; July 12.
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Hood catch. 1,855,243; Apr. 26.
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Hood fastener. 1,867,846; July 19.
Keeler, Rufus B., South Gate, and R. W. Phillips, Los Angeles, Calif. Method and apparatus for producing tile. 1,878,780; Sept. 20.
Keeley, Frederick J., Worthy, assignor to The General Electric Company Limited, London, England. Electrical switch gear. 1,856,100; May 3.
Keen, Alexis W., New York, N. Y., assignor to Morgan & Wright, Detroit, Mich. Temperature indicator for rotating bodies. 1,871,325; Aug. 9.
Keen, Elliot, Jackson Heights, N. Y. Apparatus for projection motion pictures. 1,874,193; Aug. 30.
Keen, Elliot, Jackson Heights, N. Y. Apparatus for taking and projecting motion pictures. 1,875,244; Aug. 30.
Keen, Elliot, Philadelphia, and E. M. Shannon, Bala, Pa. Trailer truck. 1,864,441; June 21.
Keen, John S., Philadelphia, Pa. Six-wheel tender truck. 1,874,306; Aug. 30.
Keen Waving Company. (See Dahl, Norman F., assignor.)
Keenan, John A., assignor to General Laboratories, Inc., Madison, Wis. Container stopper. 1,865,764; July 5.
Keenan, John D., and E. Figge, assignors to American Steel Chase Co., Inc., New York, N. Y. Power cutting machine for printers' borders. 1,858,552; May 17.
Keenan, John M., Toronto, Ontario, Canada. Making color-printing plates. 1,851,360; Nov. 8.
Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Combination furnace. 1,849,765; Mar. 15.
Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Fluid heater. 1,852,515; Apr. 5.
Keenan, Walter F., jr., Pelham, and H. F. Eddy, Great Neck, assignors to Foster Wheeler Corporation, New York, N. Y. Fluid heating apparatus. 1,839,224; Jan.
Keenan, Walter F., jr., Pelham, assignor to Foster-Wheeler Corporation, New York, N. Y. Fuel burner. 1,873,139; Aug. 2.
Keenan, William J., and G. Sather, assignor to Hudson Motor Car Company, Detroit, Mich. Safety mechanism for cranks. 1,863,630; June 21.
Keene, George E., Mankato, Minn. Sand and gravel cleaner. 1,851,186; Mar. 29.
Keene, Guy L., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,858,273; May 17.
Keener, Joseph L., jr. (See Grether, Ernest F., and Keener.)
Keener, Martin M., Lancaster, Pa. Folding pin ticket. 1,877,133; Sept. 13.
Keeney, Joseph P., Harrisburg, Pa. Cuff link attachment. 1,849,762; Mar. 15.
Keeny, Charles H., Milwaukee, assignor to Deltox Rug Company, Oshkosh, Wis. Tufting attachment for sewing machines. 1,855,916; Apr. 26.
Keeper, Julius, Calcago, Ill. Sadiron stand. 1,841,037; Jan. 12.
Keeran, Charles R., Evanston, Ill. Mechanical pencil. 1,866,198; July 26.
Kees, Daniel, assignor to F. D. Kees Manufacturing Co. Inc., Beatrice, Nebr. Door guard. 1,860,780; May 31.
Kees, Ernest G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil circuit breaker. 1,849,875; Mar. 15.
Kees, F. D., Manufacturing Co. Inc. (See Kees, Daniel, assignor.)
Keesey, Edward W., assignor of one-half to The British Needle Company Limited, Redditch, England. Container for gramophone needles. 1,868,066; July 19.
Keesey, Edgar B., Mammoth, W. Va. Hand brake for railroad cars. 1,885,727; Nov. 1.
Keesling, Hector. (See Peterson, O. W., Keesling, and Kurtz.)
Keezell, Nathaniel H., trustee. (See Earman, George H., assignor.)
Kefflo, Albert F., assignor to Automatic Pearl Button Co., Muscatine, Iowa. Button blank cutting machine. 1,862,406; June 7.
Kegelman, George, assignor to Heller & Brightly, Inc., Philadelphia, Pa. Combined level and transit. 1,864,822; June 28.
Kegerreis, Claude S., and J. B. Lindecker, assignors to The Tillotson Manufacturing Company, Toledo, Ohio. Air cleaner. 1,864,201; June 21.
Kegler, Anton W. (See Keating, M. H., and Kegler.)
Kegler, Anton W., assignor to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Feeding apparatus. 1,846,396; Feb. 23.
Kegler, Anton W., assignor to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Sprayer. 1,851,255; Mar. 29.
Kegler, Anton W., assignor to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Trough. 1,851,846; Mar. 29.
Kegresse, Adolphe, Courbevoie, France. Coupling two vehicles. 1,886,693; Nov. 8.
Kegresse, Adolphe, Courbevoie, France. Protecting device for ball bearings. 1,892,465; Dec. 27.
Kégresse, Adolphe, Courbevoie, France. Trailing carriage for motor-car trailers. 1,871,180; Aug. 9.
Kehder, Henry E., Huey, Ill., assignor of one-half to E. M. Pelzer, St. Louis, Mo. Solder. 1,844,287; Feb. 9.
Kehl, George S., Chicago, Ill. Advertising sheet form. 1,850,883; Mar. 22.
Kehl, Oscar J., Elizabeth, Ill. Hayrack. 1,879,299; Sept. 27.
Kehl, Robert J., Newark, N. J., assignor to Oxweld Acetylene Company, Inc. Acetylene generator. 1,841,446; Jan. 19.
Kehl, Robert J., Newark, N. J., assignor to Oxweld Acetylene Company. Valve. 1,862,055; June 7.
Kehoe, Arthur H., Rutherford, N. J., assignor to Westinghouse Electric & Manufacturing Company. Alternating current distributing system. 1,883,226; Oct. 18.
Kehoe, Arthur H., Rutherford, N. J., and L. W. McCullough, New York, N. Y., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,872,298; Aug. 16.
Kehoe, Catherine, administratrix. (See Johancen, T., and Kehoe.)
Kehoe, Edward E. (See Johancen, T., and Kehoe.)
Kehoe, Richard D., New York, N. Y. Pulp shredding apparatus. 1,851,390; Mar. 29.
Kehr, Ernest, Dixon, Mo. Auto mechanic's accessory. 1,890,686; Dec. 13.
Kehrer, Joseph A., Columbus, Ohio. Folding table. 1,859,588; May 24.
Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,881,081; Oct. 4.
Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,887,557; Nov. 15.
Keil, Charles G., Los Angeles, Calif. Carburetor. 1,845,608; Feb. 16.
Keil, Elmer W., Milwaukee, Wis. Automatic circuit control means. 1,853,360; Apr. 12.
Keil, Elmer W., Milwaukee, Wis. Ignition system.
Keil, Francis, & Son, Inc. (See Fetyk, Joseph, assignor.)
Keil, Francis, & Son, Inc. (See Hansen, Herman, assignor.)
Keil, Francis, & Son, Inc. (See Keil, Henry F., assignor.)
Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Support for shelves and the like. 1,847,486; Mar. 1.
Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Burr remover. 1,851,012; Mar. 29.
Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Keyhole lock construction. 1,867,361; July 12.
Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Lock mechanism. 1,888,074; Nov. 22.
Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Lock mechanism. 1,888,955; Nov. 22.
Keil, Peter. (See Wheelharger, A. S., and Keil.)
Keilhamer, Mary E. (See Keilhamer, Michael H. & M. E.)
Keilhamer, Michael H. and M. E., Anacortes, Wash. Hair curler. 1,886,887; Nov. 8.
Keilholtz, Lester S., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,856,040; July 5.
Keilien, Saul, assignor to The Standard Electric Time Company, Springfield, Mass. Electric clock system. 1,884,723; Oct. 25.

Keilien, Saul, assignor to The Standard Electric Time Company, Springfield, Mass. Electric clock system. 1,848,107; Nov. 1.

Keim, Elisha B., Philadelphia, Pa. Track-rail lubricating device. 1,888,678; Nov. 22.

Keim, Lester H., Crafton, Pa., assignor, by mesne assignments, of one-half to Oil Well Supply Company, and one-half to Westinghouse Electric & Manufacturing Company. Earth boring machine. 1,848,351; Mar. 8.

Keinath, Erwin, New York, N. Y. Collar tip holder. 1,873,648; Aug. 23.

Keinath, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengeselschaft, Siemensstadt near Berlin, Germany. Process for assembling current transformers. 1,869,859; May 31.

Keinath, Georg, Berlin-Charlottenburg, and J. Schwemmer, Falkensee, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Germany. Switching. High-tension current transformer. 1,889,552; Nov. 29.

Keinath, Georg, Berlin-Charlottenburg, and H. Pfannenmüller, assignors to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Arrangement for obtaining instantaneous values. 1,889,553; Nov. 29.

Keinath, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Frequency measurer. 1,892,401; Dec. 27.

Keinke, Rudolf. (See Fahr, R., and Keinke.)

Keiper, Edwin H., Philadelphia, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Renewable teeth or segment rolls. 1,866,860; July 5.

Keiser, Arthur J., assignor to Bircher Company, Inc., Rochester, N. Y. Letter opener. 1,867,973; July 19.

Keiser, Charles L. (See Keiser, L., and Keiser.)

Keiser, Charles R., assignor to The Serton Rubber Company, Dayton, Ohio. Support for collapsible tubes. 1,879,751; Sept. 20.

Keiser, David H., jr., Wyomissing Hills, Pa. Shears. 1,845,798; Feb. 16.

Keith, Harry W., and B. H. Keith, Sawyer, Mich. Strawberry. Pl. Pt. 26; Aug. 30.

Keith, Bud H. (See Keith, Bert W. and B. H.)

Keith, Charles R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency translating system. 1,855,576; Apr. 26.

Keith, Clyde R., Bayonne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for reducing crosstalk currents. 1,859,565; May 24.

Keith, Clyde R., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for electrical discharge apparatus. 1,881,657; Oct. 11.

Keith, Clyde R., Aldwych, London, England, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generating and selecting system. 1,885,728; Nov. 1.

Keith, David F., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Preventing condensation in refrigerator walls. 1,857,086; May 3.

Keith, George, London, England, assignor to The Surface Combustion Company, Incorporated, New York, N. Y. Gas burner nozzle. 1,840,453; Jan. 12.

Keith, George, London, England, assignor to The Surface Combustion Company, Incorporated, New York, N. Y. Gas heating system. 1,890,816; Dec. 13.

Keith, Geo. E., Company. (See Caldwell, Charles H., assignor.)

Keith, Geo. E., Company. (See Packard, Frank E., assignor.)

Keith, Henry M., Harrisburg, Ill. Multiple valve for pumping systems. 1,862,407; June 7.

Keith, Henry M., Harrisburg, Ill., assignor to The Gas-kins-Keith Company of Illinois. Fresh water system. 1,851,749; Apr. 19.

Keith, Irving L., Haverhill, Mass. Cementing parts of shoes. 1,856,562; May 3.

Keith, James R., Rentonville, Ark. Fruit and vegetable field crate. 1,877,666; Sept. 13.

Keith Paper Company. (See Grogan, W. H., and Ladd, assignors.)

Keith, Percy C., jr. (See Watson, C. W., and Keith, jr.)

Keith, Percy C., jr., Bernardsville, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Rectifying petroleum oils. 1,856,283; May 3.

Keith, Percy C., jr., Bernardsville, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Rectifying petroleum oils. 1,883,934; Oct. 25.

Keith, Percy C., jr., Bernardsville, assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Making asphalt. 1,891,890; Dec. 20.

Keith, Stanley R., Montclair, N. J. Method and composition for deoxidizing alloys. 1,846,114; Feb. 23.

Keith, William G., and J. A. Manarik, Chicago, Ill., assignors to Welsbach Traffic Signal Company, Philadelphia, Pa. Bulkhead signal. Des. 87,218; June 21.

Keith, William G., and J. A. Manarik, Chicago, Ill., assignors to Welsbach Traffic Signal Company, Philadelphia, Pa. Traffic light device. Des. 87,219; June 21.

Keith, William G., and J. A. Manarik, Chicago, Ill., assignors to Welsbach Traffic Signal Company, Philadelphia, Pa. Loading zone signal platform. Des. 87,220; June 21.

Keith, William M., Youngstown, Ohio. Clipper. 1,851,771; Mar. 29.

Keithly, S. T. (See Goble, William E., assignor.)

Kelaber, Thomas J., jr., New York, N. Y. Automatic choker valve control for gas engines. 1,843,080; Feb. 2.

Kelbsch, Floyd G. (See Parrish, P., and Kelbsch.)

Kelchner, Myrtle R., New York, N. Y. Cigarette holder. 1,869,851; Aug. 2.

Kelemen, Lewis, and Z. Keleti, Budapest, Hungary. Inflatable rubber article. 1,885,917; Nov. 1.

Keleti, Zoltan. (See Kelemen, Lewis, assignor.)

Kell, Clement W., Ridley Park, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,864,202; June 21.

Kell, Clement W., Ridley Park, Pa., and W. O. Ashe, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,888,825; Nov. 29.

Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Transmission of pictures. 1,849,839; Mar. 15.

Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Television receiver. 1,857,154; May 10.

Kelleher, Daniel. (See Bartlett, W. D., and Kelleher.)

Kelleher, Daniel, and W. D. Bartlett, assignors to Thompson Products, Incorporated, Cleveland, Ohio. Chuck. 1,881,658; Oct. 11.

Kelleher, James, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation. Electric furnace resistor. 1,841,537; Jan. 19.

Kellems, Edgar E., Long Island City, N. Y. Cable grip form. 1,881,659; Oct. 11.

Kellems, Edgar E., Forest Hills, N. Y., assignor to American Telephone and Telegraph Company. Cable reel trailer. 1,839,320; Jan. 5.

Kellems, Edgar E., assignor to Kellems Products, Inc., New York, N. Y. Open-mesh woven wire tube. 1,886,026; Nov. 1.

Kellems Products, Inc. (See Kellems, Edgar E., assignor.)

Kellenberger, Leonhard, St. Gallen, Switzerland. Combined single-standard milling machine and counter-arm brace. 1,870,054; Aug. 2.

Keller, Albert T., Bethlehem, Pa., assignor to Bethlehem Steel Company, Rolling mill. 1,860,931; May 31.

Keller, Arthur C., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound box for phonic diaphragms. 1,884,724; Oct. 25.

Keller, Auguste V., Weybridge, Surrey, England, Manufacture of condensation products. 1,868,067; July 19.

Keller Brass Company. (See Keeler, Isaac S., assignor.)

Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,851,187; Mar. 29.

Keller, Charles L. (See Fisher, H. C., Overton, and Keller.)

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Laminated tubular structure. 1,878,452; Sept. 20.

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Making paper board. 1,889,177; Nov. 29.

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Molding process. 1,891,476; Dec. 20.

Keller, Charles W., assignor to American Lime and Stone Company, Bellefonte, Pa. Producing hydrated lime. 1,871,530; Aug. 16.

Keller, Charles W., and A. F. Siferte, Portland, Oreg. Machine for making waves. 1,871,215; Aug. 9.

Keller, Chauncey B., Kimball, Nebr. Ditching and grading machine. 1,847,432; Mar. 1.

Keller, Clarence J. (See Phelps, A. W., and Keller.)

Keller, Clarence J., assignor to Delco-Remy Corporation, Anderson, Ind. Machine for separating ends of cable wires. 1,844,766; Feb. 9.

Keller, Clarence J., assignor to Delco-Remy Corporation, Anderson, Ind. Machine for making wire splice clips. 1,853,062; Apr. 12.

Keller, Clarence J., assignor to Delco-Remy Corporation, Anderson, Ind. Wire unreeling and tensioning device. 1,873,422; Aug. 23.

Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Ore concentration. 1,855,454; Apr. 26.

Keller-Dorian Colorfilm Corporation. (See Kitroser, Isaac, assignor.)

Keller-Dorian Colorfilm Corporation. (See Oswald, André, assignor.)

Keller-Dorian Colorfilm Corporation. (See Richard, Pierre A., assignor.)

Keller, Eugene, jr., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Pavement and pavement mat. 1,881,660; Oct. 11.

Keller, F. J., et al. (See Hamilton, S. A. B., and Lausen, assignors.)

Keller, Georg, assignor to the Firm Paul Strobach, Goritz, Germany. Multiphase protective system. 1,890,993; Dec. 13.

Keller, Henry C., Syracuse, N. Y., and M. Van Billiard, Philadelphia, Pa., assignors to The Lamson Company, Syracuse, N. Y. Conveyer system. 1,872,000; Aug. 16.

Keller, Henry C., Syracuse, N. Y., and M. Van Billiard, Philadelphia, Pa., assignors to The Lamson Company, Syracuse, N. Y. Conveyer mechanism. 1,881,514; Oct. 11.

Keller, Jeremiah, Canton, Ohio. Timer for traffic signals. 1,879,300; Sept. 27.

Keller, Jeremiah, Canton, Ohio. Traffic signal light. 1,881,407; Oct. 4.

Keller, John C., assignor to Keller Pneumatic Footwear Company, Chicago, Ill. Pneumatic footwear construction. 1,884,125; Oct. 25.

Keller, John M., Lakewood, Ohio. Window support. 1,865,259; June 28.

Keller, Joseph F., New York, N. Y., assignor, by mesne assignments, to Pratt & Whitney Company, Hartford, Conn. Flexible shaft machine attachment. 1,870,736; Aug. 9.

Keller, Karl. (See Kalischer, G., and Keller.)

Keller, Karl. (See Münz, F. Keller, and Günther.)

Keller, Karl, and F. Münz, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Polyhalogenated fatty acids and making same. 1,862,596; June 14.

Keller, Karl, Frankfort-on-the-Main-Fechenheim, and E. Gofferje, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphonating higher paraffin hydrocarbons. 1,876,957; Sept. 13.

Keller, Kaufman T., and J. W. Hughes, assignors to Chrysler Corporation, Detroit, Mich. Transmission. 1,840,106; Jan. 5.

Keller, Konrad. (See Gluud, W., and Keller.)

Keller, Leo, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,847,113; Feb. 1.

Keller, Max E. (See Hirsh, Jennie, assignor.)

Keller, Max E., New York, N. Y. Window cleaner. 1,840,201; Jan. 5.

Keller, Paul D. (See Daun, C. L., and Keller.)

Keller, Peter C., Homewood, Ill. Comb frame handler. 1,848,485; Mar. 8.

Keller Pneumatic Footwear Company. (See Keller, John C., assignor.)

Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Rectifier system. 1,863,162; June 14.

Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Electric switch. 1,889,479; Nov. 29.

Keller, Walter B. (See Ball, H. C., Jackson, Keller, and Winder.)

Keller, Walter D. (See Kendall, D., and Keller.)

Kellermann, Heinrich, Berlin-Lichtenberg, Germany. Pyrophoric lighter. 1,863,005; Dec. 6.

Kellerman, Johan A., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Metal smoke stick. Reissue 18,559; 1,940; May 17.

Kellett, Frederick J., assignor to The Gross Photo Supply Company, Toledo, Ohio. Combined photo folder and support. 1,839,763; Jan. 5.

Kellett, William P., New York, N. Y. Floor construction. 1,841,819; Jan. 19.

Kellett, William P., New York, N. Y. Power plant for transport vehicles. 1,882,501; Oct. 11.

Kellett, William P., New York, N. Y. Truck. 1,888,767; Nov. 22.

Kelley, Benjamin F., assignor of one-half to A. O. Olson, Tulsa, Okla. Automatic cathead. 1,855,801; Apr. 26.

Kelley, Charles F., Jackson Heights, N. Y. Continuous feed gun for concrete or plastic materials. 1,889,480; Nov. 29.

Kelley, Charles J., Anselmo, Nebr. Poultry brooding house. 1,858,710; May 17.

Kelley, Don G., Rochester, N. Y. Multiple unit mounting for gas burners. 1,879,301; Sept. 27.

Kelley, Elmer E., Windsor, Vt. Machine tool. 1,892,239; Dec. 27.

Kelley, Emmor H., and G. A. Stewart, jr., South Brownville, Pa. Automobile brake testing device. 1,851,123; Mar. 29.

Kelley, Ervin L., Kansas City, Mo. Water well screen. 1,869,754; Aug. 2.

Kelley, Esca, Riverside, Calif. Polishing and sanding tool. 1,855,635; Apr. 26.

Kelley, Frank J., Milwaukee, Wis., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe heel. Des. 87,158; June 14.

Kelley, George H., assignor to Winchester Repeating Arms Company, New Haven, Conn. Heat interchanger. 1,840,510; Jan. 12.

Kelley, George L., and C. L. Elsergian, assignors to Budd Wheel Company, Philadelphia, Pa. Machine for plating articles in mass. 1,841,038; Jan. 12.

Kelley, George L., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Sheet metal window panel and forming the same. 1,879,302; Sept. 27.

Kelley, Gerard J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical filter system. 1,842,364; Jan. 19.

Kelley, Isaiah S., New York, N. Y. Toilet device for vehicles. 1,859,925; May 24.

Kelley, John E., Larchmont, assignor to Eastern Laboratories, Inc., New York, N. Y. Drier or blower. 1,868,905; July 26.

Kelley, John J., New Haven, Conn. Pipe hanger. 1,883,935; Oct. 25.

Kelley, Kirkland, Houston, Tex., and S. J. Perkins, Sulphur, La. Method of and apparatus for the recovery of matter from wells. 1,856,886; Nov. 8.

Kelley-Koett Manufacturing Company, The. (See Werner, Wilbur S., assignor.)

Kelley, Leonard O., assignor to The Standard Computing Scale Company, Detroit, Mich. Scale mechanism. 1,865,015; June 28.

Kelley, Leonard O., assignor to The Standard Computing Scale Company, Detroit, Mich. Dashpot for scales. 1,890,580; Dec. 13.

Kelley, Leonard O., assignor to The Standard Computing Scale Company, Detroit, Mich. Pendulum type scale. 1,890,977; Dec. 13.

Kelley, Maude T., assignor of one-fourth to Bratson Corporation, Mount Vernon, N. Y. Clothes washer. 1,874,048; Aug. 30.

Kelley, Peter, Winsted, Conn. Hook and eye holder. 1,865,112; June 28.

Kelley, Robert S., Brooklyn, assignor to National Meter Company, New York, N. Y. Cut-off valve for water supply systems. 1,849,491; Mar. 15.

Kelley, Will G., Winnetka, Ill. Brace. 1,865,765; July 5.

Kelley, William, assignor of one-half to W. S. Baylis, Los Angeles, Calif. Recovering retained oil and fats from filter-press cake and reactivation of the spent cake. 1,881,715; Dec. 20.

Kelley, William Van D., assignor, by mesne assignments, to Du Chrome Film System Ltd., Hollywood, Calif. Color photography. 1,881,124; Nov. 29.

Kelley, William V. D., Hollywood, Calif. Photographic film. 1,879,806; Sept. 27.

Kelley, William V. D., Hollywood, assignor of one-half to G. A. Hancock, Los Angeles, Calif. Film-treating apparatus. 1,856,390; May 3.

Kelley, William V. D., and W., Los Angeles, Calif. Producing composite photographs. 1,859,589; May 24.

Kelley, William V. D., Hollywood, assignor of one-half to G. Allan Hancock, Los Angeles, Calif. Color-photography. 1,885,454; Nov. 1.

Kelley, William W. (See Kelley, W. V. and W. W.)

Kellogg, Alfred A., Troy, assignor to James Ackroyd and Sons, Albany, N. Y. Skylight. 1,841,041; Jan. 5.

Kellogg, Bert F., and F. M. Kent, Spokane, Wash. Variable speed propeller. 1,864,045; June 21.

Kellogg, Chester A., and C. N. Williams, assignors to Continental Steel Corporation, Kokomo, Ind. Coloring woven wire fences. 1,871,181; Aug. 9.

Kellogg Company. (See Rayner, M. M., and Poole, assignors.)

Kellogg, De Forest, Los Angeles, Calif. Hydraulic brake. 1,871,134; Sept. 13.

Kellogg Dills, Inc. (See Dills, Logan A., assignor.)

Kellogg, Edward W., Moorestown, N. J., assignor to General Electric Company, Sound reproducer for auditorium sound reproduction. 1,849,840; Mar. 15.

Kellogg, Edward W., Moorestown, N. J., assignor to General Electric Company, Sound distribution system for auditoriums. 1,871,531; Aug. 16.

Kellogg, Edward W., Moorestown, N. J., assignor to General Electric Company, Sound reproducing apparatus employing reflected light. 1,872,965; Aug. 23.

Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Film supporting and driving apparatus. 1,892,554; Dec. 27.

Kellogg-Hadley Corporation. (See Hadley, Walter B., assignor.)

Kellogg, Harry F., Chicago, Ill. Screw. 1,860,715; May 31.

Kellogg, Harry O. (See Sprague, Elmer A., assignor.)

Kellogg, Henry E., Battle Creek, Mich. Stopping and starting attachment. 1,850,552; Mar. 22.

Kellogg, Henry E., Battle Creek, Mich. Stopping and starting attachment. 1,850,553; Mar. 22.

Kellogg, Herbert C., and E. M. May, assignors to G. P. Cowan, Detroit, Mich.; G. A. Cowan executrix of said Glen P. Cowan, deceased. Refrigerating apparatus and lubricating same. 1,885,836; Nov. 1.

Kellogg, Herbert C., and E. M. May, assignors to G. P. Cowan, Detroit, Mich.; G. A. Cowan executrix of said Glen P. Cowan, deceased. Refrigerating apparatus and means of lubricating same. 1,885,837; Nov. 1.

Kellogg, Herbert C., and E. M. May, assignors to G. P. Cowan, Detroit, Mich.; G. A. Cowan executrix of said Glen P. Cowan, deceased. Evaporator for refrigerating apparatus. 1,885,838; Nov. 1.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Annular finish strip and constructing the same. 1,855,022; Apr. 19.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Apparatus for fitting and constructing and fitting the same. 1,855,023; Apr. 19.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Garnish molding. 1,860,250; May 24.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Removable radiator shield. 1,862,684; June 14.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Manufacturing radiator shells. 1,865,570; July 5.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Hinge. 1,876,242; Sept. 6.
Kellogg, John L. (See Corcoran, E. P., and Hadley, assignors.)
Kellogg, M. W., Company, The. (See Keith, Percy C., jr., assignor.)
Kellogg Manufacturing Company. (See Hazard, George E., assignor.)
Kellogg Manufacturing Company. (See Hazard, George S., assignor.)
Kellogg Manufacturing Company. (See Koehler, G., jr., and Hill, assignors.)
Kellogg Switchboard and Supply Company. (See Bosh, Frank, assignor.)
Kellogg Switchboard & Supply Company. (See Currier, Hiram A., assignor.)
Kellogg Switchboard and Supply Company. (See Eaton, George R., assignor.)
Kellogg Switchboard and Supply Company. (See Eaton, G. R., and Heath, assignors.)
Kellogg Switchboard and Supply Company. (See Grout, Melvin B., assignor.)
Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)
Kellogg Switchboard and Supply Company. (See Wallenta, Bernard A. H., assignor.)
Kellogg Switchboard and Supply Company. (See Zettek, Frank, assignor.)
Kellogg, William S., deceased, Peoria, Ill.; Harriet A. Keas, administratrix. Variable condenser. 1,857,155; May 10.
Kells, Frank W., Lakeland, Fla., assignor to Kells Generator & Automatic Refrigerator, Inc. Generator. 1,866,935; July 12.
Kells Generator & Automatic Refrigerator, Inc. (See Kells, Frank W., assignor.)
Kellum, Thomas A. (See Billingsley, J. P., and Kellum.)
Kelly, Andrew, assignor to Borax Consolidated Limited, London, England. Production of sodium metaborate. 1,847,836; Mar. 1.
Kelly, Benjamin F., Houston, Tex. Sash latch. 1,862,056; June 7.
Kelly, Charles L., Chicago, Ill. Carbon paper holder. 1,850,282; Mar. 22.
Kelly, Charles L., assignor to Continental Carbon Corporation, Chicago, Ill. Carbon paper holder. 1,850,235; Mar. 22.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Operator for windows. 1,841,315; Jan. 12.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Operator for windows. 1,856,256; May 3.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Operator for window. 1,863,485; June 14.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Window operating mechanism. 1,863,486; June 14.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Thermostatic releasing means for self-closing ventilators. 1,864,357; June 21.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Window construction. 1,876,689; Sept. 13.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Threshold construction. 1,881,661; Oct. 11.
Kelly, Edward A., Indianapolis, Ind. Deposit book. 1,859,041; May 17.
Kelly, Edward P., Brooklyn, N. Y. Ventilating and heating system. 1,841,957; Jan. 19.
Kelly, Frank J., Quebec, Quebec, Canada. Power transmitting device. 1,874,756; Aug. 30.
Kelly, Frederick, Seattle, Wash. Adjustable lawn mower handle. 1,850,326; Mar. 22.
Kelly, George A. (See Caswell, T. W., and Kelly.)
Kelly, George R., Highland Park, Mich. Device for use in cutting. 1,863,632; June 21.
Kelly, James A., Philadelphia, Pa. Newspaper or like vending machine. 1,886,694; Nov. 8.
Kelly, John H., Longview, Wash. Combination toilet tank cover and cabinet. 1,861,802; June 7.
Kelly, John M. (See Norviel, H. E., Dyer, and Kelly.)
Kelly, John W., Long Beach, Calif. Musical novelty. 1,850,464; May 3.
Kelly, Joseph R., Fitzroy, Victoria, Australia. Reciprocating engine. 1,854,041; Apr. 12.
Kelly, Loomis L. deceased, Roanoke, Va., by W. M. Brodie administrator, Blacksburg, Va. Exhaust apparatus for locomotive roundhouses. 1,887,025; Nov. 8.
Kelly, Madison R. (See Woodhead, H. A., and Kelly.)
Kelly, Mervin J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron discharge device. 1,863,342; June 14.
Kelly, Oscar. (See Congleton, J. A., and Kelly.)
Kelly, Patrick J. (See Martin, A. R., Kelly, and Repath.)
Kelly-Springfield Tire Company. (See Wallace, Norman, assignor.)
Kelly, Stanley L., Los Angeles, Calif. Propulsion and steering means for aircraft. 1,853,361; Apr. 12.
Kelly, Thomas, North Lexington, Mass. Return water metering device. 1,876,958; Sept. 13.
Kelly, Thomas D., London, England. Treating fermented materials. 1,866,409; July 5.
Kelly, Thomas J., Indianapolis, Ind. Garment garter. 1,844,166; Feb. 9.
Kelly, Walter E., Portland, Oreg. Attachment for door-locks. 1,844,767; Feb. 9.
Kelly, William, jr., Spokane, Wash. Ash collector for locomotives. 1,845,284; Feb. 16.
Kelly, William M., Philadelphia, Pa. Apparatus for reclaiming waste mixtures. 1,876,243; Sept. 6.
Kelly, William W. (See Cook, F. J., and Kelly.)
Kelly, William W., assignor to The Nut Products Company, Cleveland, Ohio. Nut toaster. Des. 87,997; Oct. 18.
Kelly, William W., Cleveland Heights, assignor to The Nut Products Company, Cleveland, Ohio. Preparing and distributing nuts. 1,872,456; Aug. 16.
Kelman Electric & Manufacturing Company. (See Kelman, Joseph N., assignor.)
Kelman, Joseph N., assignor to Kelman Electric & Manufacturing Company, Los Angeles, Calif. Operating mechanism for oil switches. 1,867,847; July 19.
Kelman, Joseph N., assignor to Kelman Electric & Manufacturing Company, Los Angeles, Calif. Arcing tip for oil switches. 1,867,848; July 19.
Kelsall, Albert H., and O. C. Alexander, San Diego, Calif. Composition and process for treating wood. 1,890,650; Dec. 13.
Kelsay, Le Roy W., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Cable terminal device. 1,844,125; Feb. 9.
Kelsea, Clarence H., Belmont, and C. I. Geddes, Arlington, assignors to Peter Gray & Sons, Inc., Cambridge, Mass. Humidifier. 1,876,999; Sept. 13.
Kelsey, Frank N., New Haven, assignor of one-half to P. C. Swole, Clinton, Conn. Combined air-gauge and self-closing outlet fitting. 1,850,111; Mar. 22.
Kelsey-Hayes Wheel Corporation. (See Ash, Charles S., assignor.)
Kelsey-Hayes Wheel Corporation. (See Batie, Joseph E., assignor.)
Kelsey-Hayes Wheel Corporation. (See Booth, William N., assignor.)
Kelsey-Hayes Wheel Corporation. (See Farmer, Horace E., assignor.)
Kelsey-Hayes Wheel Corporation. (See Main, F. L., and Herbert, assignors.)
Kelsey-Hayes Wheel Corporation. (See Sinclair, Charles W., assignor.)
Kelsey-Hayes Wheel Corporation. (See Sneed, John, assignor.)
Kelsey-Hayes Wheel Corporation. (See Stoler, Edward W., assignor.)
Kelsey-Hayes Wheel Corporation. (See White, John W., assignor.)
Kelso, Ralph S., assignor to The Free Sewing Machine Company, Rockford, Ill. Bobbin winder. 1,848,352; Mar. 8.
Kelso, Ralph S., and G. R. Wainwright, assignors to Free Sewing Machine Company, Rockford, Ill. Motor support for sewing machines. 1,848,353; Mar. 8.
Kelso, Thomas G., Rushville, Ind. Rotary cultivator attachment. 1,843,028; Jan. 26.
Kelso, William. (See McConway, W., jr., and Kelso.)
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. 1,846,165; Jan. 5.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. 1,846,166; Jan. 5.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupler lock controlling device. 1,862,790; June 14.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupler release mechanism. 1,862,791; June 14.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,881,602; Oct. 11.
Keltie, George R., assignor to American Wringer Co., Inc., Woonsocket, R. I. Laundry machine. 1,854,745; Apr. 19.
Keltie, George R., assignor to American Wringer Co., Woonsocket, R. I. Squeeze roll. 1,865,260; June 28.
Kelvinator Corporation. (See Greenwald, Harold A., assignor.)
Kelvinator Corporation. (See Larsen, Lawrence W., assignor.)
Kelvinator Corporation. (See Mason, George W., assignor.)
Kelvinator Corporation. (See McGuffey, Orton S., assignor.)
Kelvinator Corporation. (See Replogle, John R., assignor.)
Kelvinator Corporation. (See Spreen, Charles C., assignor.)
Kelvinator Corporation. (See Thomas, Charles C., assignor.)
Kemet Laboratories, Inc. (See Cooper, H. S., and Merlub-Sobel, assignors.)
Kemikal Inc. (See Mellanoff, Isadore S., assignor.)
Kemmer, Frank R., Larchmont, assignor to American Cyanamid Company, New York, N. Y. Condenser seal. 1,852,525; Apr. 5.

Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa., Railway traffic controlling apparatus. 1,885,521; Nov. 1.
Kemmerling, Jacob F. (See Burk, William W., assignor.)
Kemmerling, Warren, Hitchcock, Tex. Spring shackle. 1,849,579; Mar. 15.
Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating compound. 1,874,307; Aug. 30.
Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating adhesives. 1,882,081; Oct. 11.
Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication cable. 1,892,279; Dec. 27.
Kemp, C. M., Manufacturing Company. (See Hunt, William, assignor.)
Kemp, C. M., Manufacturing Company, The. (See Kemp, William W., assignor.)
Kemp, C. M., Manufacturing Company, The. (See Kemp, W. W., and Van Horn, assignors.)
Kemp, C. M., Manufacturing Company, The. (See Van Horn, William H., assignor.)
Kemp, Charles, assignor to Kemp Lock Co., New York, N. Y. Lock. 1,892,512; Dec. 27.
Kemp, Charles and L., New York, N. Y. Lock. 1,869,596; Aug. 2.
Kemp, Irving. (See Kemp, Charles and L.)
Kemp Lock Inc. (See Kemp, Charles, assignor.)
Kemp, William, St. Louis, Mo. . Gas analyzer. 1,888,229; Nov. 22.
Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Inc., Baltimore, Md. Method of and apparatus for heating ovens. 1,852,526; Apr. 5.
Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Singeing. 1,862,959; June 14.
Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Singeing. 1,862,960; June 14.
Kemp, William W., and W. H. Van Horn, assignors to The C. M. Kemp Manufacturing Company, Baltimore, Md. Air and gas mixing device. 1,880,141; Sept. 27.
Kempe, Irwin T. (See Kennedy, D. S., and Kempe.)
Kemper, Erin C. (See Kemper, John C., assignor.)
Kemper, John C., assignor of one-half to E. C. Kemper, Mount Washington, Baltimore, Md. Mosquito trap. 1,897,127; Sept. 8.
Kemper, Ray T., Destrehan, La. Tank insulation. 1,855,802; Apr. 26.
Kempf, Hubert, Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Apparatus for the production of strong filaments of artificial silk by the stretch spinning process. 1,871,704; Aug. 16.
Kempf, Karl F. W., Buffalo, N. Y. Key-bolt. 1,843,975; Feb. 9.
Kempf, Louis W. (See Archer, R. S., and Kempf.)
Kempf, Louis W. (See Horsfield, B. T., Kempf, and Fink.)
Kempf, Norman W. (See Ruckelshaus, J. G., and Kempf.)
Kempter, Fritz, Stuttgart, Germany, assignor to Baker Perkins Company, Saginaw, Mich. Heating and cooling mantle. 1,854,200; Apr. 19.
Kempthorne, James L., Montclair, N. J. Engine. 1,890,611; Dec. 13.
Kempthorne, James L., Montclair, N. J. Engine. 1,890,612; Dec. 13.
Kempton, Arthur K. (See Geisslinger, Johann, assignor.)
Kempton, Leslie A., Bridgeport, Conn., assignor to General Electric Company. Switch blade. 1,879,303; Sept. 27.
Kempton, Willard H., Bridgeport, Conn., assignor to Westinghouse Electric & Manufacturing Company. Propeller. 1,842,178; Jan. 19.
Kenaga, Ivan A. (See Winston, A. W., and Kenaga.)
Kendall Company, The. (See Marshall, Harold T., assignor.)
Kendall, David, and E. H. Kendall, Alliance, Ohio. Traveling crane. 1,882,325; Oct. 11.
Kendall, David, and W. D. Keller, assignors to The Alliance Machine Company, Alliance, Ohio. Hoist mechanism. 1,841,958; Jan. 19.
Kendall, David, and W. D. Keller, assignors to The Alliance Machine Company, Alliance, Ohio. Worm drive. 1,843,875; Feb. 2.
Kendall, Douglas, and D. Heyer, Hollywood, Calif. Exercising machine. 1,879,965; Sept. 27.
Kendall, Earl, assignor of one-half to I. E. Cole, Melrose Park, Ill. Wheel puller. 1,889,965; Dec. 6.
Kendall, Edgar H. (See Kendall, David and E. H.)
Kendall, George H., Belmont, E. W. Clem, G. A. Peterson, and J. W. Vedder, assignors to Rice Barton & Fales, Incorporated, Worcester, Mass. Fourdrinier wire shaker. 1,844,580; Feb. 9.
Kendall, James M., Schenectady, N. Y., assignor to General Electric Company. Transmission and reception of pictures. 1,848,888; Mar. 8.
Kendall, James P. (See Heising, R. A., and Kendall.)
Kendall, Julian L., Mount Vernon, N. Y. Sanitary holder and dispenser for aseptic materials in rolls. 1,840,958; Jan. 12.
Kendall, William G., Maplewood, N. J. Dispensing device for collapsible tubes. 1,888,174; Nov. 15.
Kendig, E. D., et al. (See Childs, Robert R., assignor.)
Kendig, Harvey E., Philadelphia, Pa. Drain device for sensitized plates. 1,846,876; Feb. 23.
Kendrick, Arthur B., East Orange, N. J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Surgical appliance. 1,853,903; Apr. 12.
Kendrick, Fayette D., St. Paul, Minn. Swivel lamp for motor vehicles. 1,867,411; July 12.
Kendrick, James R., Co. (See Fox, William J., assignor.)
Kendrick, James R., Co. (See Kendrick, Arthur B., assignor.)
Kendrick, Noah B., Mount Holly, N. C. Burning brick. 1,887,206; Nov. 8.
Kenerson, Stanley M., Springfield, Mass., assignor to S. H. Couch Company, Inc. Intercommunicating telephone. 1,847,061; Feb. 23.
Kenerson, Stanley M., assignor to The Standard Electric Time Company, Springfield, Mass. Display mounting. 1,850,175; Mar. 22.
Kenety, William H. (See Stevens, J. W., and Kenety.)
Kenety, William H., Cloquet, Minn., assignor to Chemipulp Process Inc., Watertown, N. Y. Recovery of relief material. 1,885,918; Nov. 1.
Kenison, Nat W. (See Drannon, R. E., and Kenison.)
Kenna, Mary D., New York, N. Y. Driving and parking guide for vehicles. 1,873,532; Aug. 16.
Kennedy, Absalom M. (See Lloyd, S. J., and Kennedy.)
Kennedy, Absalom M. (See Lloyd, S. J., and Palmer, assignors.)
Kennedy, Albert C., Long Beach, assignor of one-third to W. F. Kennedy, Los Angeles, and one-third to J. C. Kennedy, Long Beach, Calif. Roller bearing drawer guide. 1,866,853; July 12.
Kennedy, Alexander, jr., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion system. 1,840,107; Jan. 5.
Kennedy, Alexander, jr., Schenectady, N. Y., assignor to General Electric Company. Power system. 1,847,950; Mar. 1.
Kennedy, Allen E., Utica, N. Y. Boxing glove. 1,869,216; July 26.
Kennedy, Arthur L. (See Meehan, G. F., and Kennedy.)
Kennedy Car Liner & Bag Co., The. (See Campbell, Guy H., assignor.)
Kennedy Car Liner & Bag Co., The. (See Hanson, Harry M., assignor.)
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Induction motor. 1,844,093; Feb. 9.
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Condenser induction motor. 1,859,368; May 24.
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Induction motor. 1,859,369; May 24.
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Centrifugal switch for motors. 1,887,267; Nov. 8.
Kennedy, Charles H., Swampscott, assignor to Walter M. Lowney Company, Boston, Mass. Convertible box. 1,872,966; Aug. 23.
Kennedy, Charles T., and C. W. Vandermark, St. Paul, Minn. Humidifier. 1,850,859; Mar. 8.
Kennedy, Chester C. (See Strosacker, C. J., Kennedy, and Pelton.)
Kennedy, Daniel J., Vancouver, British Columbia, Canada. Treatment of coffee. 1,853,278; Apr. 12.
Kennedy, Daniel J., Vancouver, British Columbia, Canada. Treatment of coffee. 1,859,740; May 24.
Kennedy, Daniel J., Vancouver, British Columbia, Canada. Treatment of coffee. 1,887,686; Nov. 15.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,839,225; Jan. 5.
Kennedy, Donald S., and I. T. Kempe, Longparish, England. Spare tire carrier for road vehicles. 1,864,829; June 28.
Kennedy, Donald S., and I. T. Kempe, Longparish, England. Spare tire carrier for road vehicles. 1,879,304; Sept. 27.
Kennedy, Edward, New York, N. Y. Plumbing fixture. 1,855,354; Apr. 26.
Kennedy, Edward, New York, assignor to The Kennedy-Steiner Corporation, Bronx County, N. Y. Combined trap and test fitting. 1,875,615; Sept. 6.
Kennedy, Edward J., Hollis, N. Y., and C. F. Perley, Westwood, N. J., assignors to Perey Manufacturing Company. Turnstile. 1,841,132; Jan. 12.
Kennedy, Francis M., Kansas City, Mo. Roller screen. 1,840,454; Jan. 12.
Kennedy, Frank W., assignor to De Laval Steam Turbine Company, Trenton, N. J. Packing device. 1,860,860; May 31.
Kennedy, Frank W., assignor to De Laval Steam Turbine Company, Trenton, N. J. Steam chest construction for steam turbines. 1,889,554; Nov. 29.
Kennedy, George B., Washington, D. C. Advertising medium. 1,853,622; Apr. 12.
Kennedy, George H., jr., Worcester, Mass. Ice tray for mechanical refrigerators. 1,868,503; July 26.
Kennedy, George H., jr., Worcester, Mass. Ice tray for mechanical refrigerators. 1,889,481; Nov. 29.
Kennedy, Gibson H., assignor to Sonoco Products Company, Hartsville, S. C. Spool. 1,846,397; Feb. 23.
Kennedy, Harry E., et al. (See Walker, Brooks, assignor.)

Kennedy, Harry E., et al. (See Wilson, Theodore R., assignor.)

Kennedy, Harry E., Berkeley, Calif. Egg processing and candling machine. 1,852,309; Apr. 5.

Kennedy, Hartridge D. (See Kennedy, Martin D., assignor.)

Kennedy, Harvey T., Rochester, N. Y. Measuring the viscosities of liquids. 1,870,412; Aug. 9.

Kennedy, James W., Canton, Ohio. Dilator. 1,877,766; Sept. 20.

Kennedy, James W., Canton, Ohio. Dilator. 1,879,305; Sept. 27.

Kennedy, James W., Canton, Ohio. Dilator. 1,879,307; Sept. 27.

Kennedy, Janice C., et al. (See Kennedy, Albert C., assignor.)

Kennedy, John J., assignor to The Pyle-National Company, Chicago, Ill. Lamp clamp. 1,881,663; Oct. 11.

Kennedy, Joseph A., Pawtucket, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company. Oil-proof flame-resisting conduit, cable, etc., and making same. 1,844,324; Feb. 9.

Kennedy, Joseph A., Pawtucket, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company. Oilproofed electrical conduit, insulation, etc. 1,846,599; Feb. 23.

Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire and Cable Company, New York, N. Y. Tubing for electrical purposes. 1,849,717; Mar. 15.

Kennedy, Joseph A., Pawtucket, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company. Nonsticky flame-proofed electrical conduit, etc. 1,860,506; May 31.

Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Choke-wire conduit. 1,882,326; Oct. 11.

Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire and Cable Company, New York, N. Y. Treating paper wrapping strip. 1,892,053; Dec. 27.

Kennedy, Joseph E., New York, N. Y. Pneumatic transporting and distributing of pulverized material. 1,871,853; Aug. 16.

Kennedy, Joseph M., St. Louis, Mo. Bottle. 1,887,931; Nov. 15.

Kennedy, Julian, jr., Sewickley, Pa. Brake. 1,889,444; Nov. 29.

Kennedy, Leo W., Detroit, Mich. Sham. 1,848,890; Mar. 8.

Kennedy, Leo W., Detroit, Mich. Corner door assembly. 1,848,891; Mar. 8.

Kennedy, Leo W., Detroit, Mich. Divider support. 1,875,197; Sept. 6.

Kennedy, Louis F., Mankato, Minn. Tractor. 1,870,632; Aug. 9.

Kennedy, Luke F., Philadelphia, Pa., assignor to General Electric Company. Protective arrangement. 1,849,838; Mar. 15.

Kennedy, Luther L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,886,108; Nov. 1.

Kennedy Manufacturing Company. (See Shriver, Harry P., assignor.)

Kennedy, Martin, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Display stand. 1,868,217; July 26.

Kennedy, Martin D., Dunedin, Fla., assignor to H. D. Kennedy, Dunedin, Fla. Gasoline saver. 1,869,262; July 26.

Kennedy, Martin M., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Thermostatically controlled gas valve. 1,844,102; Feb. 9.

Kennedy-McCandless Corporation (See Mayette, Edgar, assignor.)

Kennedy-McCandless Corporation. (See McCandless, Harry E., assignor.)

Kennedy, Richard O., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Laundry identification. 1,849,039; Mar. 8.

Kennedy, Robert E., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Folding table. 1,847,844; Mar. 1.

Kennedy, Robert E., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Adjustable pin spot for bowling alleys. 1,879,306; Sept. 27.

Kennedy-Steiner Corporation, The. (See Kennedy, Edward, assignor.)

Kennedy, Thomas A. (See Wilsea, J. B., and Kennedy.)

Kennedy Valve Mfg. Co., The. (See Banks, Frederick R., assignor.)

Kennedy, William D., Western Springs, Ill. Bag construction. 1,861,864; June 7.

Kennedy, William F. (See Kennedy, Albert C., assignor.)

Kennedy, William M., jr. (See Meurk, B. E., and Kennedy.)

Kennedy, William P., New York, N. Y. Motor vehicle. 1,844,510; Feb. 9.

Kennedy, William & Sons, Limited. (See Holden, Otto, assignor.)

Kennedye, Charles B., University City, Mo., assignor to The Kennedye Corporation, Wilmington, Del. Rotary well-drilling tool. Re18,434; Apr. 19.

Kennedye, Charles B., University City, Mo., assignor to The Kennedye Corporation, Wilmington, Del. Rotary drilling tool. 1,869,969; Aug. 2.

Kennedye Corporation, The. (See Kennedye, Charles B., assignor.)

Kennett, Frank, Kalamazoo, Mich. Shipping and display carton. 1,862,685; June 14.

Kenney, Edward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Heat treatment of rails. 1,846,684; Feb. 23.

Kenney, George M. (See Kenney, William C., and G. M.)

Kenney, Mahlon W., Elmhurst, Ill., assignor, by mesne assignments, to Grigsby-Grunow Company. Refrigerating apparatus. 1,853,904; Apr. 12.

Kenney, Mahlon W., Elmhurst, Ill., assignor, by mesne assignments, to Grigsby-Grunow Company. Refrigerating apparatus. 1,870,457; Aug. 9.

Kenney, Mahlon W., Elmhurst, Ill., assignor, by mesne assignments, to Grigsby-Grunow Company. Refrigeration apparatus. 1,870,458; Aug. 9.

Kenney Manufacturing Company. (See Kenney, William C., assignor.)

Kenney Manufacturing Company. (See Kenney, William C. and G. M., assignors.)

Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Drapery rod or the like. 1,871,796; Aug. 16.

Kenney, William C. and G. M., Cranston, assignors to Kenney Manufacturing Company, Auburn, R. I. Curtain fixture. 1,871,797; Aug. 16.

Kenney, William C. and G. M., assignors to Kenney Manufacturing Company, Cranston, R. I. Traverse equipment. 1,878,526; Sept. 20.

Kenney, William C., and G. M. Kenney, Cranston, assignors to Kenney Manufacturing Company, Auburn, R. I. Curtain fixture. 1,891,881; Dec. 20.

Kenney, William J. (See McCord, Frederick E., assignor.)

Kennicott, Cass L., Flossmoor, and H. Libberton, assignors to The Soundex Corporation, Chicago, Ill. Process and apparatus for molding slabs. 1,848,354; Mar. 8.

Kenosha Die & Stamping Works (See Schmidt, Lester C., assignor.)

Kensington Steel Company. (See Jensen, K., and Anderson, assignors.)

Kent, Alfred W., assignor to W. Spiers Limited, Leicester, England. Knitting machine. 1,881,360; Oct. 4.

Kent, Bert M. (See Becker, Ralph K., assignor.)

Kent Company, The. (See Yutzler, F. W., and Kent, assignors.)

Kent, Earl W., Muskegon, Mich., assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,879,308; Sept. 27.

Kent, Earl W., Muskegon, Mich., assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,879,309; Sept. 27.

Kent, Everett E. (See Doerfler, Alfred M., assignor.)

Kent, Everett E. (See Richards, Benjamin, assignor.)

Kent, Forrest M. (See Kelly, P. J., and Kent.)

Kent, Francis, Richmond, Calif. Bracelet. 1,852,016; Apr. 5.

Kent, Frank J. (See Hertzberg, Harry, assignor.)

Kent Garage Investing Corporation. (See Wheelock, Edwin M., assignor.)

Kent, George, Limited. (See Dall, Horace E., assignor.)

Kent, George, Limited. (See Douglas, John G., assignor.)

Kent, George, Limited. (See Flory, H. G., and Coley, assignors.)

Kent, Gordon E. (See Yutzler, F. W., and Kent.)

Kent, James W., Brooklyn, N. Y. Adjusting device for roller mills. 1,872,967; Aug. 23.

Kent, Paul. (See Kent, F. E., and Kent.)

Kent, Raymond L., Lower Penn, assignor of one-third to Morris Industries Limited, Oxford, and one-third to T. C. Skinner, Birmingham, England. Liquid pump 1,853,767; Apr. 12.

Kent, Robert J., Jamaica, N. Y., assignor to American Telephone and Telegraph Company. Reeling device. 1,839,321; Jan. 5.

Kent, Robert J., Jamaica, N. Y., assignor to American Telephone and Telegraph Company. Cable car. 1,874,543; Aug. 30.

Kent, Robert J., Jamaica, N. Y., assignor to American Telephone and Telegraph Company. Manhole guard. 1,882,150; Oct. 11.

Kent, William J., Brooklyn, N. Y., assignor to The Mechanical Rubber Company. Grinding machine. 1,864,071; June 21.

Kenward Barrel Company Limited, The. (See Matthews, Matthew H., assignor.)

Kenworthy, Charles F., Inc. (See Kenworthy, Charles F., assignor.)

Kenworthy, Charles F., Woodbury, assignor to Charles F. Kenworthy, Inc., Waterbury, Conn. Annealing furnace. 1,876,960; Sept. 13.

Kenworthy, Howard A., Woodbury, Conn. Annealing furnace. 1,856,563; May 3.

Kenyon, Bertram C., W. W. Bos, and C. H. Green, Grand Rapids, assignors to Automatic Musical Instrument Company, Grand Rapids, Mich. Automatic sound reproducing instrument. 1,879,693; Sept. 27.

Kenyon, Harry C., Compton, Calif. Talking vending machine. 1,876,424; Sept. 6.

Kenyon, Oades J., Santa Barbara, Calif., assignor, by mesne assignments, to Instant Ice Corporation. Compressor valve assembly. 1,889,247; Nov. 29.

Kenyon, William H., Accrington, assignor to Entwisle & Kenyon Limited, Ewbank Works, Accrington, England. Carpet sweeper. 1,879,752; Sept. 27.
Kenyon, William H., assignor to Entwisle & Kenyon Limited, Accrington, England. Carpet sweeper. 1,892,308; Dec. 27.
Kenyon, William J., Highland Park, N. J., assignor to Johnson & Johnson, New Brunswick, N. J. Sputum cup. 1,850,015; Mar. 15.
Keogh, Franklin B., Peekskill, N. Y. Pound or piece cutting machine. 1,881,181; Apr. 26.
Keogh, Lucius R., deceased; N. J. Gareau, administrator, assignor to Soda Alumina Chemical Company, Ottawa, Ontario, Canada. Process for the production of alumina, soda, and hydrochloric acid. 1,854,409; Apr. 19.
Keogh, Thomas B., New York, N. Y. Flue purifier. 1,849,241; Jan. 26.
Keough, John, Philadelphia, Pa. Curtain bracket. 1,867,974; July 19.
Keown, John M., Chicago, assignor one-fifth to A. E. Sangdahl, Western Springs, one-fifth to W. Forrest Ogle, Chicago, one-fifth to E. J. Learned, Lake Forest, and one-fifth to B. F. Ramsdell, Geneva, Ill. Making grating. 1,867,701; July 19.
Keown, John M., Chicago, assignor of one-fifth to A. E. Sangdahl, Western Springs, one-fifth to W. Forrest Ogle, Chicago, one-fifth to E. J. Learned, Lake Forest, and one-fifth to B. F. Ramsdell, Geneva, Ill. Grating. 1,867,702; July 19.
Keown, Shirley G. (See Whittington, Loring M., assignor.)
Keplar, James M., Elkhart, Ind. Filing system. 1,845,878; Feb. 16.
Kepner, Robert C. (See Johnson, W. V., and Kepner.)
Kepple, J. C., trustee. (See Johnson, Elmer, assignor.)
Keppler, Ernest K., Oakland, Calif. Locking device. 1,856,391; May 3.
Ker, John O. (See Ashton, Ward, assignor.)
Ker, John O., Ottawa, Ontario, Canada, assignor to H. Ketchum, Luzerne, N. Y. Animal marking tool. 1,851,672; Mar. 29.
Kerber, Joseph H., assignor to Hi-Way Service Corporation, Milwaukee, Wis. Scarifier. 1,853,212; Apr. 12.
Kercher, Arthur J., Berkeley, Calif. Refrigerator system and apparatus. 1,892,290; Oct. 11.
Kercher, Arthur J., Berkeley, Calif. Refrigerating apparatus. 1,886,553; Nov. 8.
Kercher, Arthur J., Berkeley, Calif. Compressor. 1,886,554; Nov. 22.
Kercher, Howard G. and R. F., near Belleville, Ill. Carburetor. 1,890,994; Dec. 13.
Kercher, Roy F. (See Kercher, Howard G. and R. F.)
Kerckel, Gus, assignor to Sunshine Nut Company, Inc., Chicago, Ill. Vending stand. Des. 86,238; Feb. 16.
Kerkhoff, Frank A. (See Terrell, H. C., and Kerkhoff.)
Kerler, Elizabeth, Rock Island, Ill. Hosiery drier. 1,874,757; Aug. 30.
Kerlin, Thomas F., Solvay, N. Y. Frame unit for scaffolding shorings, concrete forms and the like. 1,873,204; Aug. 23.
Kerner, Martin J., Snyder, assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Concentrator. 1,883,378; Oct. 18.
Kerner, Martin J., Snyder, assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Evaporator. 1,883,379; Oct. 18.
Kerner, Martin J., Snyder, assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Rotary drum drier. 1,854,727; Oct. 25.
Kerner, Martin J., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Evaporator. 1,884,726; Oct. 25.
Kern, Bernard, Syracuse, N. Y. Vacuum cleaning machine. 1,854,042; Apr. 12.
Kern & Cie, A. G., the Firm of. (See Steinmann, Walter, assignor.)
Kern, Edward F., assignor to American Metal Company, Limited, New York, N. Y. Recovering lead-in alloys. 1,842,240; Jan. 19.
Kern, Ernest N., Bloomington, Ill. Chain propeller. 1,859,145; May 17.
Kern, Erwin. (See Jonas J., and Kern.)
Kern, Erwin, Wettingen, Switzerland. Electric current interrupting means. 1,877,753; Sept. 13.
Kern, Erwin, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Arrangement for preventing voltage increase with complete no-load operation of mercury vapor direct current rectifiers. 1,843,133; Feb. 2.
Kern, Erwin, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Mercury vapor rectifier. 1,859,387; May 24.
Kern, Erwin, Wettingen, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Metal vapor rectifier. 1,870,513; Aug. 9.
Kern, Erwin, Wettingen, near Baden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rectifier isolating apparatus. 1,873,964; Aug. 30.
Kern, Erwin, Wettingen, near Baden, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Apparatus for commutating currents in polyphase windings. 1,873,965; Aug. 30.
Kern, Erwin, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Direct current motor control system. 1,873,966; Aug. 30.
Kern, Fernando C. (See Kern, Ludwig and F. C.)
Kern, Fernando C. (See Kern, Ludwig, F. C., and F. E.)
Kern, Fred M., Detroit, Mich, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,876,822; Aug. 23.
Kern, Fred T., Milwaukee, Wis. Storage system. 1,872,457; Aug. 16.
Kern, Fred T., Milwaukee, Wis. Storage system. 1,872,458; Aug. 16.
Kern, Frederick E. (See Kern, Ludwig, F. C., and F. E.)
Kern, Heinrich C., Tchnitz, Czechoslovakia. Aeroplane with vertically oscillatable wings. 1,846,115; Feb. 23.
Kern, Joseph, New Britain, assignor of one-fourth to J. P. Clary, Hartford, Conn. Compact manicuring implement. 1,841,291; Jan. 12.
Kern, Josephine, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Spoon or similar article. Des. 88,420; Nov. 29.
Kern, Leo, Villingen, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen-on-the-Neckar, Germany. Fare indicator. 1,843,166; Feb. 2.
Kern, Ludwig, Webster Groves, Mo. Hydrogenation of carbonaceous materials. 1,852,709; Apr. 5.
Kern, Ludwig, Webster Groves, Mo. Making phosphate silicate fertilizer. 1,855,190; Apr. 26.
Kern, Ludwig, F. C., and F. E., Webster Groves, Mo. Reducing oxide ores. 1,858,274; May 17.
Kern, Ludwig and F. C., Webster Groves, Mo. Binder material for coal, coke, ore, the like, and the manufacture thereof. 1,885,839; Nov. 1.
Kern, Raymond T. (See Gress, G. C., and Kern.)
Kern, Walter. (See Kern, R., and Kern.)
Kernchen, John C. (See Davis, Herbert A., assignor.)
Kerner Automatic Hoist Co., (See Zetteriund, Theodor, assignor.)
Kerner, Sebastian, Rye, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crimping tool. 1,856,602; Apr. 26.
Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Buckle. 1,873,319; Sept. 6.
Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Garment buckle. 1,877,855; Sept. 20.
Kernodle, Robert J., Durham, N. C. Collapsible hogshead. 1,892,153; Dec. 27.
Kerns, Adin U., Altoona, Pa. Riveting machine. 1,846,116; Feb. 23.
Kerns, Frank W., and W. Egbert, Oakland, Calif. Removing sand and the like from fluids. 1,880,185; Sept. 27.
Kerns, Leonard R., Pasadena, assignor to Lubrication Devices Incorporated, Battle Creek, Mich. Lubricating device. 1,891,544; Dec. 20.
Kernsen, Carl C., Columbus, Ga. Distilling apparatus. 1,847,007; Feb. 23.
Kerotest Manufacturing Company. (See Forbes, John S., assignor.)
Kerr, Andrew R., Great Falls, Mont. Tool. 1,871,616; Aug. 16.
Kerr, Arthur G., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Agitating and dumping vehicle body. 1,883,936; Oct. 25.
Kerr, Edwin D., Bryan, Ohio. Seed tester. 1,848,219; Mar. 8.
Kerr, Franklin H., Toledo, Ohio. Mulch. 1,883,381; Oct. 18.
Kerr, George W., Springfield, Mass. Antirattle dovetail for doors. 1,888,826; Nov. 22.
Kerr, Harold H. (See O'Connell, J., and Kerr.)
Kerr, Howard J., (See Langvund, I. L., and Kerr.)
Kerr, Howard J., El Mora, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler water level indicating device. 1,869,428; Aug. 2.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater and connections to boiler drums. 1,853,685; Apr. 12.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,854,162; Apr. 12.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and superheater. 1,858,363; May 17.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,861,965; June 7.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 1,863,055; June 14.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Tube support. 1,866,570; July 12.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle for steam drums. 1,875,015; Aug. 30.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Tube. 1,878,242; Sept. 20.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Drum for vapors under pressure. 1,878,709; Sept. 20.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,883,299 ; Oct. 18.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Radiant heat superheater. 1,883,300 ; Oct. 18.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler having horizontal headers. 1,883,301 ; Oct. 18.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler feeder system. 1,883,302 ; Oct. 18.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler with superheater and reheater. 1,883,303 ; Oct. 18.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater. 1,883,304 ; Oct. 18.

Kerr, Howard J., Westfield, N. J., and J. Fletcher, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Steam generator. 1,883,298 ; Oct. 18.

Kerr, Howard J., Westfield, and C. U. Savoye, Hackensack, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,883,380 ; Oct. 18.

Kerr, Howard J., Westfield, N. J., and J. E. Trainer, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Stoker. 1,845,285 ; Feb. 16.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam generating system. 1,869,071 ; Nov. 29.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam generator. 1,869,072 ; Nov. 29.

Kerr, Howard J., Westfield, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Powdered fuel furnace. 1,883,305 ; Oct. 18.

Kerr, John L., Albany, Ga. Spike attachment for shoes. 1,881,319 ; Oct. 4.

Kerr, John L., Albany, Ga. Spike attachment for shoes. 1,888,924 ; Nov. 22.

Kerr, Mark B., Grasmere, assignor to International Communications Laboratories, Incorporated, New York, N. Y., Telegraph system. 1,855,244 ; Apr. 26.

Kerr, Mary C. (See Kerr, Orange B., assignor.)

Kerr, Orange B., assignor to M. Mary Lauderdale, Miss. Cleaning device for brooders. 1,840,202 ; Jan. 5.

Kerr, Paul S., et al. (See Griffith, A. A., Kerr, and Mills.)

Kerr, Paul W., and A. E. Jones, assignors to Henry Weis Manufacturing Company, Inc., Elkhart, Ind. Shower bath construction. 1,843,424 ; Apr. 23.

Kerr, Robert M., assignor to Detroit Dental Manufacturing Company, Detroit, Mich. Tongs. 1,862,625 ; June 14.

Kerr, Robert M., assignor to Detroit Dental Manufacturing Company, Detroit, Mich. Device for removing forms from molds. 1,863,445 ; June 14.

Kerr, William K., Tulsa, Okla. Feed for fountain pens. 1,859,178 ; Dec. 20.

Kerrick, William O. (See Rickey, Loren W., assignor.)

Kerrigan, John, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Variable reactor. 1,872,299 ; Aug. 16.

Kerrigan, John, Swissvale, and A. Roth, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control device. 1,866,357 ; July 5.

Kerschbaum, Friedrich P. (See Waggaman, W. H., Gooch, and Kerschbaum.)

Kersey, Francis E., Lebanon, Ind. Muffler. 1,859,400 ; May 24.

Kershaw, Frederick, Philadelphia, Pa., and E. B. Kerst, Providence, R. I., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Carrying chain. 1,867,810 ; July 12.

Kershaw, Grindrod, Whitworth, Rochdale, England. Tension device for yarns. 1,853,686 ; Apr. 12.

Kerst, Edgar H., New Kensington, Pa., and Kerst,).

Kersten, Jacob, Kalamazoo, Mich. Baby jumper. Des. 87,008 ; May 24.

Kersten, Samuel, Chicago, Ill. Water faucet. 1,854,796 ; Apr. 19.

Kersten, Samuel, Chicago, Ill. Plumbing fitting. 1,855,024 ; Apr. 19.

Kerwin, William Jr., Pawtucket, R. I. Latch locking device. 1,864,358 ; June 21.

Kesling, Elmer G., Bloomfield, Mo. Speed changing mechanism. 1,877,889 ; Sept. 20.

Kesling, Elmer G., Bloomfield, Mo. Speed changing mechanism. 1,886,695 ; Nov. 8.

Kessler, Hans, Mannheim, and L. Iffflander, Ludwigshafen-am-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of colored compositions. 1,892,280 ; Dec. 27.

Kessler, Gregor J. (See Karnes, J. C., and Kessenich.)

Kesling, Elmer G., Bloomfield, Mo. Control for speed changing mechanism. 1,877,889 ; Sept. 20.

Kesselring, Roman. (See Novák, J., and Kesselring.)

Kesses, Charles H., New York, N. Y. Film camera. 1,847,531 ; Mar. 1.

Kessler, Charles J. (See Chadwick, L. S., Resek, and Kessler.)

Kessler, Frank, Brooklyn, assignor to the Leo Baum estate, A. Russell Bond, executor, New York, N. Y. Interchangeable jewel mounting. 1,889,862 ; Dec. 6.

Kessler, Frank, and C. R. Woodland, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Mounting arrangement for electrical apparatus. 1,863,376 ; June 14.

Kessler, George M., Jersey City, N. J. License plate holder for automobiles. 1,881,279 ; Oct. 4.

Kessler, George M., Madison, N. J. Check valve. 1,890,513 ; Dec. 13.

Kessler, Harry A., Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill. Production of expanded metal. 1,845,980 ; Feb. 16.

Kessler, Harry A., Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill. Production of expanded metal. 1,864,597 ; June 28.

Kessler, John, et al. (See Kugler, Heinrich, assignor.)

Kessler, John J., St. Louis, Mo., assignor to Apple Electrical Manufacturing Company, Dayton, Ohio. Making phenol-aldehyde condensation products. 1,889,751 ; Dec. 6.

Kessler, Merrill. (See Stevenson, H. J., and Kessler.)

Kestell, Thomas A. (See Woodcock, R. B., and Kestell.)

Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)

Kestenman, Charles H. (See Kestenman Bros. Mfg. Co., assignor.)

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Wrist watch strap or similar article. Des. 80,379 ; Mar. 1.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Flexible metal cord and making same. 1,840,781 ; Jan. 12.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Fastening-device for wrist-watch straps, bands, bracelets, and the like. 1,850,722 ; Mar. 22.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Flexible band, chain, or linkage. 1,860,186 ; May 24.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Connector for wrist-watch straps, bands, bracelets, and linkages. 1,867,011 ; July 12.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Metal band or linkage. 1,882,666 ; Oct. 18.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Extendible clasp or connecting device for straps, bands, and bracelets. 1,892,060 ; Dec. 27.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasp for bracelets, straps, linkages, or the like. 1,892,281 ; Dec. 27.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasping device for bracelets. 1,892,350 ; Dec. 27.

Kester Solder Company. (See Barber, Clifford L., assignor.)

Kester Solder Company. (See Rinley, Perry C., assignor.)

Ketcham, Alonzo R., Detroit, Mich. Molding forming tool. 1,869,755 ; Aug. 2.

Ketcham, Ernest D., Seattle, Wash., assignor to Acme Steel Company, Chicago, Ill. Strapping jack and punch. 1,891,767 ; Dec. 20.

Ketcham, Ralph P., Bloomington, Ind. Automobile brake tester. 1,846,734 ; Feb. 23.

Ketchbaw, Thomas D. (See Scollard, R. L., and Ketchbaw.)

Ketchledge, William H., and N. R. Wright, Easton, Pa.

Ketchpel, Paul A., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,892,351 ; Dec. 27.

Windshield wiper. 1,874,758 ; Aug. 30.

Ketchum, George H., Huntington Park, Calif. Brake. 1,855,636 ; Apr. 26.

Ketchum, Harry. (See Ker, John O., assignor.)

Ketchum, Henry G., Luzerne, N. Y. Animal marker. 1,860,421 ; May 31.

Ketel, Henry, assignor to Holland Hitch Company, Holland, Mich. Safety hitch. 1,872,750 ; Aug. 23.

Ketner, John E., White Plains, N. Y. Tank. 1,887,932 ; Nov. 15.

Kettering, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,886,339 ; Nov. 1.

Ketterling, Adolph J., Zeeland, N. Dak. Grain door for box cars. 1,866,041 ; July 5.

Ketterlinus Lithographic Mfg. Co. (See Schwartz, Eugene, assignor.)

Kettner, Alfred N., Inglewood, Calif. Burial vault. 1,877,781 ; Sept. 20.

Keuffel, Adolf W., Montclair, assignor to Keuffel & Esser Co., Hoboken, N. J. Slide rule. 1,875,927 ; Sept. 6.

Keuffel & Esser Co. (See Keuffel, Adolf W., assignor.)

Keul, Gottfried, Dover, Ohio. Heated tray. 1,871,705 ; Aug. 16.

Keulers, Jakob, Hilden, Germany. Flange pipe connection. 1,868,906 ; July 26.

Keuls, Henry P. C., New York, N. Y., assignor to Sealed Joint Construction Corporation. Wall structure. 1,879,311 ; Sept. 27.

Keune, Adolph L., Carlinville, Ill. Combined track and coupling attachment. 1,879,310 ; Sept. 27.

Keunecke, Emil. (See Kuehl, L., and Keunecke.)

Keunecke, Emil. (See Schlecht, L., Keunecke, and Schubardt.)
Keuper, Joe S., East Liverpool, Ohio. Fish bait. 1,867,458; July 12.
Kevelson, Max. (See Danziger, H. I., and Kevelson.)
Kevelson, Max., New York, N. Y., assignor to Condenser Corporation of America, Jersey City, N. J. Impregnated condenser unit. 1,856,392; May 3.
Kevency, John T. (See Dowdall, James T., assignor.)
Kewley, James, Nelson, England. Shoe sole press. 1,870,753; Sept. 27.
Key Boiler Equipment Company. (See Key, Frederick E., assignor.)
Key, Frederick E., St. Louis, Mo., assignor to Key Boiler Equipment Company, East St. Louis, Ill. Safety pipe fitting. 1,859,972; May 24.
Key, James F., assignor to First Trust & Savings Bank of Pasadena, as trustee, Pasadena, Calif. Valve for tire inflators. 1,870,574; Aug. 9.
Keyel, William. (See Nye, Alvin F., assignor.)
Keyes Container Corporation. (See Katz, Eugen, assignor.)
Keyes Container Corporation. (See Münze, Carl, assignor.)
Keyes Fibre Company. (See Shepard, Ernest L., assignor.)
Keyes, Frederick G., Cambridge, Mass., assignor, by mesne assignments, to Frigidaire Corporation. Gas or liquid storing material. 1,854,589; Apr. 19.
Keyes, Henry C., Kingman, Ariz. Illuminated display device. 1,859,516; May 24.
Keyes, Hugh T., Detroit, Mich. Areaway construction. 1,868,397; Jan. 26.
Keys, Jeremiah, Philadelphia, Pa., assignor to Alva Carpet & Rug Company. Heddle mechanism. 1,845,715; Feb. 16.
Keys, Jeremiah, Philadelphia, Pa., assignor to Alva Carpet & Rug Company. Thread clamp. 1,870,814; Aug. 9.
Keys, John H., Dayton, Ohio. Slow motion rotary sprinkler. 1,847,763; Mar. 1.
Keys, Walter C. (See Steiner, H. W., Eldridge, and Keys.)
Keys, Walter C., Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Mounting bracket. 1,870,256; Aug. 9.
Keys, Walter C., H. W. Steiner, and J. G. Eldridge, Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Cushioning connection. 1,859,777; May 24.
Keyser, Johann J., Aarau, Switzerland. Lubrication of spindle bearings of spinning and twisting machines. 1,860,714; May 31.
Keyser, Johann J., Aarau, Switzerland. Spindle rail. 1,871,536; Aug. 9.
Keyssner, Ernst, and H. Mengdehl, Ludwigshafen-on-the-Rhine, Germany. Mixed fertilizer. 1,857,914; May 10.
Keystone Broz. (See Weisig, Albert C., assignor.)
Keystone Adjustable Cap Corporation. (See Wagenfeld, Harry, assignor.)
Keystone Driller Company. (See Downie, Robert R., assignor.)
Keystone Mfg. Co. (See Marks, Isidore, assignor.)
Keystone Mfg. Co. (See Swartz, Edward M., assignor.)
Keystone Reamer & Tool Co. (See Seiler, Michael L., assignor.)
Keystone Steel & Wire Company. (See Herman, Joseph L., assignor.)
Keystone Transportation Company. (See Davis, Philip L., assignor.)
Keyting, Walter S., Salt Lake City, Utah. Confection baking device. 1,882,363; Oct. 11.
Khanzadian, Avedis S., Syracuse, N. Y. Rug cleaning machine. 1,861,476; June 7.
Kharasch, Morris S., College Park, Md. Organic seleno compound. 1,858,958; May 17.
Kharasch, Morris S., Chicago, Ill. Stabilized bactericide and process of stabilizing it. 1,862,986; June 14.
Kharasch, Morris S., Chicago, Ill. Purifying insulin. 1,862,569; July 12.
Khoenle, Herman F., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Trolling spoon. 1,871,377; Aug. 9.
Khun, Albert M., Elizabeth, N. J. Superservice flood valve. 1,861,297; May 31.
Khun, Albert M., Elizabeth, N. J. Flood-tide and back-water valve. 1,864,443; June 21.
Kibbe, Clifford, Tracy, Calif. Helicopter. 1,849,235; Mar. 15.
Kibbey, John D. (See Frank, E. L., and Kibbey.)
Kibble, Arther E., Reno, Nev. Underground chicken house. 1,851,188; Mar. 29.
Kibele, Eugene, San Antonio, Tex. Pump piston. 1,849,096; Mar. 15.
Kiebline, Frank O. (See Little, J. E., Kichline, and Ehrgott.)
Kick, Lawrence B., Pine Lawn, Mo. Hub puller. 1,865,420; June 28.
Kidd, Herbert A. (See Traquair, John, and Kidd.)
Kidde, Walter, & Company. (See Freygang, Walter H., assignor.)
Kidde, Walter, & Company. (See Hiegis, Henry E., assignor.)
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kidde, Walter, & Company. (See Marr, George M. and A. P., assignors.)
Kidde, Walter, & Company. (See Minor, Henry R., assignor.)
Kidde, Walter, & Company. (See Strain, Clifford, assignor.)
Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Grain deflector. 1,865,633; July 5.
Kidder, William E., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Sled. 1,881,664; Oct. 11.
Kidder, William V., LaCrosse, Wis. Lubricating system and product. 1,877,668; Sept. 13.
Kidder, William V., La Crosse, Wis. Lubricating system and products. 1,879,874; Sept. 27.
Kieckhefer Container Co. (See Dodd, Grafton A., assignor.)
Kieckhefer Container Company. (See Kaiser, Walter R., assignor.)
Kieckhefer Container Co. (See Kieckhefer, John W., assignor.)
Kieckhefer Container Co. (See Walker, Emery L., assignor.)
Kieckhefer Container Company. (See Walker, E. L., and Ohlhues, assignors.)
Kieckhefer Container Company. (See Walker, E. L., and Werner, assignors.)
Kieckhefer Container Company. (See Werner, Arthur W., assignor.)
Kieckhefer Container Company. (See Werner, A. W., and Walker, assignors.)
Kieckhefer, John W., assignor to Kieckhefer Container Co., Milwaukee, Wis. Ventilated container. 1,842,614; Jan. 26.
Kiefer, Julius E. (See Bratring, Kurt, assignor.)
Kiefer, Karl, deceased, Cincinnati, Ohio; James A. Rheinstrom and H. Goldsmith, executors. Cleaning bottles. 1,880,257; Oct. 4.
Kiefer, Paul W., New York, assignor of one-half to E. P. Moses, White Plains, N. Y. Cast metal hopper for railway cars. 1,841,480; Jan. 19.
Kiefer, Paul W., New York, assignor of one-half to E. P. Moses, White Plains, N. Y. Cast metal hopper for railway cars. Des. 18,656; Nov. 15.
Kiehl, Fred G. (See Hess, A. F., and Kiehl.)
Kihn, Otto F., New York, N. Y. Textile winding machine. 1,866,471; July 5.
Kiel, John R., assignor to Auditone Company, Chicago, Ill. Turntable for sound picture apparatus. 1,854,941; Apr. 19.
Kieler, Stanislaw, Milwaukee, Wis. Fastening device. 1,871,633; Mar. 29.
Kielsmeier, Reuben P., Baldwin Park, Calif. Poultry-feeding device. 1,877,890; Sept. 20.
Kienzl, Johann A., Basle, Switzerland. Objective device for multicolour photography and cinematography. 1,843,642; Feb. 2.
Kieneman, Harry F., Cincinnati, Ohio. Hose reel. 1,850,676; Mar. 22.
Kieneman, Harry F., Cincinnati, Ohio. Hose reel. 1,850,677; Mar. 22.
Kienle, Roy H., Schenectady, N. Y., assignor to General Electric Company. Synthetic resin and making the same. 1,878,527; Sept. 20.
Kienle, Roy H., Schenectady, N. Y., assignor to General Electric Company. Resinous condensation product. 1,889,923; Dec. 6.
Kieninger, John F., North Cambridge, assignor to Technicolor Motion Picture Corporation, Boston, Mass. Effecting delayed hardening of films and resulting products. 1,851,166; Mar. 29.
Kienzle, Charles J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Rope winding device. 1,891,598; Dec. 20.
Kienzie, Lester C., Syracuse, N. Y. Curtain fixture. 1,873,205; Aug. 23.
Kienzle Uhrenfabriken Aktiengesellschaft. (See Kern, Paul, assignor.)
Kienzle Uhrenfabriken Aktiengesellschaft. (See Riegger, Paul, assignor.)
Kiep, Johann N. (See Bauer, Gustav.)
Kiep, Johann Nikolaus, Altona-Hochkamp, Germany. Hydraulic coupling. 1,868,146; July 19.
Kiep, Johann N., Altona-Hochkamp, Germany. Hydraulic coupling. 1,881,082; Oct. 4.
Kiep, Johann N., Altona-Hochkamp, Germany. Hydraulic coupling. 1,881,083; Oct. 4.
Kieper, William F., Toledo, Ohio, and C. B. Wagenhauser, Temperance, Mich. Embossing plate. 1,840,816; Jan. 12.
Kierspe, George W., Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Winding machine. 1,881,377; Oct. 4.
Kiesel, Charles W., Honolulu, Hawaii. Balometer. 1,864,728; Oct. 25.
Kiesel, William F., jr., Hollidaysburg, Pa. Freight car. 1,870,575; Aug. 9.
Kiesel, William F., jr., Altoona, Pa. Locomotive exhaust piping and feed water heater. 1,889,924; Dec. 6.
Kiesel, 3d, William F., New York, N. Y. Cable pulling device. 1,865,113; June 28.
Kieseler, Otto H., assignor to The Champion Spring Company, Cleveland, Ohio. Back-rest for beds. 1,888,509; Nov. 22.

Kiesling, Le Roy H., Brooklyn, N. Y. Cable equalizing mechanism. 1,876,302; Sept. 6.

Kiester, Edgarth. (See Kiester, Neil E., assignor.)

Kiester, Neil E., Holloway, assignor to A. Kiester, Pipestone, Minn. Filling nozzle. 1,848,179; Mar. 8.

Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,841,133; Jan. 12.

Kiewicz, John, assignor to Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,844,426; Feb. 9.

Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for buttonhole sewing machines. 1,846,398; Feb. 23.

Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole cutting mechanism. 1,846,426; Feb. 23.

Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,853,432; Apr. 12.

Kifer, Ward G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage therefor. 1,866,936; July 12.

Kiffe, Gerald A., Los Angeles, Calif. Mounting for flexible cords. 1,844,241; Feb. 9.

Kiforsky, Mike, Los Angeles, Calif. Ground scraper and leveler. 1,844,167; Feb. 9.

Kiger, Luther J., assignor to National Auto Tag Seal Corporation, Nashville, Tenn. Identification card holder. 1,840,905; Jan. 12.

Kiggins, Joseph H. (See Shuster, Noland V., assignor.)

Kignell, Erik H. (See Kignell, Erik P. and E. H.)

Kignell, Erik P., Stockholm, Sweden, and E. H. Kignell, Paris, France, assignors to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Regenerative heating device. 1,858,508; May 17.

Kightlinger, Frank J., Brea, Calif. Pipe tong. 1,885,605; Nov. 1.

Kikuta, Taro, Tobata, Fukuoka Ken, assignor to Tobata Imono Kabushiki Kaisha, Tokyo, Japan. Manufacturing strong black heart malleable cast iron. 1,852,327; Oct. 11.

Kilberry, George D., East Downingtown, assignor to Downingtown Manufacturing Company, Downingtown, Pa. Press for use in paper making. 1,843,876; Feb. 2.

Kilborn, Karl B., Fairlawn, assignor to Selberling Rubber Company, Barberton, Ohio. Pneumatic tire. 1,861,276; May 31.

Kilbourn, Jackson L., and E. W. Easterling, Appalachia, Va. Pipe coupling device. 1,867,975; July 19.

Kilbury, Paul D., assignor of one-half to J. W. Billingsley, Newton, Iowa. Steam boiler. 1,840,235; Jan. 5.

Kilby Manufacturing Company. (See Francis, John H., assignor.)

Kilby, William. (See Jones, J. I. M., and Kilby.)

Kilchenstein, Joseph L., assignor to Magnolia Petroleum Company, Dallas, Tex. Automatic length adjustment of power transmitting members to compensate for temperature changes. 1,858,768; Apr. 12.

Kilchenstein, Joseph L., assignor to Magnolia Petroleum Company, Dallas, Tex. Automatic length adjuster for reciprocating power transmitting lines. 1,853,769; Apr. 12.

Kilde, William. (See Anderson, V. E., Kilde, and Ganes.)

Kilde, William. (See Ganes, H. A., and Kilde.)

Kile, Clifford S., Hutchinson, Kans. Liquid ejecting device. 1,852,658; Apr. 5.

Kiley, Edward J., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. 1,844,399; Feb. 9.

Kilgore Aircraft Protector, Incorporated. (See Kilgore, John P., assignor.)

Kilgore, John P., assignor to Kilgore Aircraft Protector, Incorporated, New Haven, Conn. Aircraft protector. 1,861,477; June 7.

Kilgore Manufacturing Company, The. (See Case, Edward R., assignor.)

Kilgore Mfg. Company, The. (See Peake, Edward S., assignor.)

Kilgore Mfg. Company, The. (See Watkins, Henry B., assignor.)

Kilgour, Charles E., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Resilient support for radio tubes. 1,851,673; Mar. 29.

Kilgour, Charles E., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radio condenser turning control. 1,891,283; Dec. 20.

Kill, Vincent P., Lawton, assignor of one-fourth to O. J. Gaston St., Lawton, Okla., and one-half to C. Oelberg, Kirby, Ohio. Automatic water circulator for internal combustion engines. 1,850,461; Mar. 22.

Killam, Gaston B., Denver, Colo. Gas burner. 1,849,236; Mar. 15.

Killark Electric Manufacturing Company. (See Shaw, Christian R., assignor.)

Killebrew, Ernest C., Evansville, Ind. Convertible umbrella. 1,844,325; Feb. 9.

Killefer Manufacturing Company. (See Enzenauer, Edward M., assignor.)

Killefer Manufacturing Company. (See Lytle, Harry R., assignor.)

Killefer Manufacturing Company. (See Olinger, Alvin P., assignor.)

Killefer Manufacturing Corporation. (See Mitchell, R. H., and Vaughn, assignors.)

Killefer Manufacturing Corporation. (See Rogers, C. R., Babel, and Brodersen, assignors.)

Killefer Manufacturing Corporation. (See Stuck, William H., assignor.)

Killefer Manufacturing Corporation. (See Vaughn, Jesse H., assignor.)

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Heat exchange method and apparatus. 1,870,634; Aug. 9, '32.

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerative apparatus. 1,877,181; Sept. 13.

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerative apparatus. 1,883,937; Oct. 25.

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Package and container. 1,883,938; Oct. 25.

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Method of and apparatus for controlling carbon dioxide gaseous mixtures. 1,883,940; Oct. 25.

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Method of and apparatus for standardizing carbon dioxide gaseous mixtures. 1,883,941; Oct. 25.

Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating method and apparatus. 1,887,687; Nov. 15.

Killefer, David H., Yonkers, and C. L. Jones, Pelham, assignors to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,883,939; Oct. 25.

Killen, James R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,867,530; July 12.

Killen, James R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,891,232; Dec. 20.

Killgore, Robert B. (See Wood, Clarence P., assignor.)

Killian, Fred L., Akron, Ohio. Machine for manufacturing thin rubber articles. 1,874,014; Aug. 30.

Killian, Fred L., Akron, Ohio. Apparatus for manufacturing thin rubber articles. 1,885,115; Nov. 1.

Killian, James B., et al., directors. (See Smiley, Alfred M., assignor.)

Illing, Arthur, Dortmund-Horde, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Vessel for holding a liquid for humidifying the air. 1,888,387; Nov. 22.

Killips, Herbert. (See Merrick, Andrew C., assignor.)

Killins, Eduard O., Hanau-on-the-Main, Germany. Current supply regulating apparatus. 1,879,312; Sept. 27.

Killius, James, and C. H. De Frehn, Johnstown, Pa. Cupboard desk. 1,892,061; Dec. 27.

Killman, Thomas A., Nashville, Tenn. Egg beater. 1,881,361; Oct. 4.

Killman, Thomas A., Nashville, Tenn. Cigarette making device. 1,891,094; Dec. 13.

Kilmer, Austin J., Roseville, Mich. Metal cutting tool. 1,855,971; Apr. 26.

Kilmer, Austin J., Roseville, Mich., assignor to Michigan Tool Company. Adjustable tool support. 1,889,248; Nov. 29.

Kilner, Arthur H., St. John's Wood, England. Apparatus for the production and manufacture of material impregnated with cellulose regenerated from viscose or other cellulosic solutions. 1,892,579; Dec. 27.

Kilpatrick, Howard M., New York, N. Y. Visible index. 1,850,935; Mar. 22.

Kilroe, Dolly A., Milwaukee, Wis. Permanent wave clip. 1,848,484; Mar. 8.

Kilstrom, Axel, Cranston, R. I., assignor to Henry Lederer & Bro., Inc. Atomizer. 1,845,608; Feb. 16.

Kilzer, James E., assignor, by mesne assignments, to Davis Boring Tool Company, St. Louis, Mo. Expansion boring tool. 1,881,665; Oct. 11.

Kilzer, James E., assignor to John J. Larkin, St. Louis, Mo. Drill pipe float coupling. 1,890,223; Dec. 6.

Kimball, A., Company. (See Laecher, Frederick W., assignor.)

Kimball, A., Company. (See Van Norden, Ericsson B., assignor.)

Kimball, Andrew L. (See Thomas, H. T., and Kimball.)

Kimball, Donald E., assignor to The Safety Equipment Service Company, Cleveland, Ohio. Eye goggles. 1,871,534; Aug. 16.

Kimball, George Cook, Pittsburgh, Pa. Normalizing furnace. 1,869,597; Aug. 2.

Kimball, George P., Stoneham, Mass. Sign board. Des. 88,095; Oct. 25.

Kimball, James N. Detroit, Mich. Control for reversible engines. 1,865,861; July 5.

Kimball, John A., Taylorville, Ill. Caster. 1,839,396; Jan. 5.

Kimball, John A., Taylorville, Ill. Adjustable pedestal. 1,840,167; Jan. 5.

Kimball, John A., Taylorville, Ill. Game table. 1,840,203; Jan. 5.

Kimball, John A., Taylorville, Ill. Doorknob mount. 1,840,204; Jan. 5.

Kimball, John A., Taylorville, Ill. Door operating knob. 1,840,236; Jan. 5.

Kimball, John A., Taylorville, Ill. Closure mounting. 1,851,362; Oct. 4.

Kimball, Leo B., Saugatuck, Conn., assignor to Fuel Development Corporation. Fuel. 1,848,063; Mar. 1.

Kimball System of Portland, The. (See Curry, Howard J., assignor.)

Kimball, Wallace D., Elmhurst, and C. Braren, Queens Village, N. Y., assignors, by mesne assignments, to Standard-Knapp Corporation of New York. Carton sealing machine. 1,844,661; Feb. 9.

Kimball, Wilbur R., New York, N. Y. Aeronautical device. 1,843,643; Feb. 2.

Kimbell, Arthur W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Fastener. 1,846,736; Feb. 23.

Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket. 1,846,737; Feb. 23.

Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 1,871,578; Aug. 9.

Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener, fastener installation and attaching the same. 1,872,968; Aug. 23.

Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut and nut and screw fastened installation. 1,873,894; Aug. 23.

Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut and nut and screw fastened installation. 1,873,895; Aug. 23.

Kimbell, Arthur W., Chicago, and C. L. Knutson, Villa Park, assignors to Cinch Manufacturing Corporation, Chicago, Ill. Flush type curtain fastener. 1,846,735; Feb. 23.

Kimbell, James F., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif. Floating deck. 1,840,587; Jan. 12.

Kimbell James F., Los Angeles, Calif., assignor, by mesne assignments, to Chicago Bridge & Iron Company, Chicago, Ill. Pontoon seal for floating decks. 1,867,845; July 19.

Kimber, Harry P., and F. Miller, assignors to Earl Holley, Detroit, Mich. Coating for metal molds. 1,845,286; Feb. 16.

Kimble, Dwight, Decatur, Ind. Universal wood-working machinery. 1,867,269; July 12.

Kimble, Ray F., Cambridge, Ohio, assignor to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 86,239; Feb. 16.

Kimble, Ray F., Cambridge, Ohio, assignor to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 86,240; Feb. 16.

Kimble, Ray T., Cambridge, Ohio, assignor to Oneida Community, Limited, Oneida, N. Y. Goblet or similar article. Des. 86,241; Feb. 16.

Kimbro, Hubert G., Bell, Calif. Sash holding device. 1,857,465; Sept. 13.

Kime, Charles G., assignor to The Burch Corporation, Crestline, Ohio. Spreading road material. 1,861,925; June 7.

Kime, Le Roy F., and F. F. Uhl, Bartlesville, Okla. Bailer. 1,845,799; Feb. 16.

Kimmel, Charles P., Gary, Ind. Wheel tread refacer. 1,857,457; May 10.

Kimmel, Charles P., Gary, Ind. Railroad crossing. 1,857,458; May 10.

Kimmel, George P., Washington, D. C. Pajama trousers. 1,858,201; May 10.

Kimmel, Isaiah H., Johnstown, Pa. Tongue switch. 1,853,981; Apr. 12.

Kimmel, John L., Bronx, N. Y. Safety swimming device. 1,865,066; Nov. 1.

Kimmell, William J., Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company. Double grid tube. 1,863,687; June 21.

Kimmey, Charles P., trustee. (See Boissonnault, Gaston, assignor.)

Kimes, Thomas M., Merna, Nebr. Cleat fastening means. 1,888,175; Nov. 15.

Kinard, Alman A., Memphis, Tex. Cooling jacket for milk and other cans. 1,869,756; Aug. 2.

Kinatome Patents Corporation. (See Cowan, Harrison J., assignor.)

Kinatome Patents Corporation. (See Foster, Warren D., assignor.)

Kinatome Patents Corporation. (See Foster. W. D., and Bundick, assignors.)

Kinatome Patents Corporation. (See Ponting, H. G., and Ford, assignors.)

Kinatome Patents Corporation. (See Proctor, Barton A., assignor.)

Kinatome Patents Corporation. (See Proctor, B. A., Foster, and Bundick, assignors.)

Kinatome Patents Corporation. (See Sweet, Frederick D., assignor.)

Kincaid, Frank J., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,860,100; May 24.

Kincaid, Frank J., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,872,751; Aug. 23.

Kincaid, Russell M., assignor to Chrysler Corporation, Detroit, Mich. Polishing tool. 1,840,108; Jan. 5.

Kincaid, Russell M., assignor to Chrysler Corporation, Detroit, Mich. Polishing machine. 1,862,148; June 7.

Kincannon, Leo T., Shorewood, Wis., assignor to Electra Corporation, Chicago, Ill. Change contact mechanism for automatic musical instruments. 1,847,400; Mar. 1.

Kincannon, Leo T., Shorewood, Wis., assignor to Electra Corporation, Chicago, Ill. Disk changer and reverser for automatic musical instruments. 1,887,309; Nov. 8.

Kincannon, Leo T., assignor to Louis Hanson Company, Chicago, Ill. Record repeater for phonographs. 1,883,942; Oct. 25.

Kinch, Frank, Belmont, Wis. Grass digger. 1,853,982; Apr. 12.

Kind, Morris, Bryn Mawr, assignor to Hercules Cement Corporation, Philadelphia, Pa. Apparatus for handling cement or like material in bulk. 1,869,970; Aug. 2.

Kinder, William N., San Francisco, assignor to J. F. Meyer, Pasadena, Calif. Entrapment device. 1,880,258; Oct. 4.

Kindelmann, Albert, Floral Park, assignor to International Projector Corporation, New York, N. Y. Aperture plate. 1,869,852; Aug. 2.

Kindelmann, Albert, Floral Park, assignor to International Projector Corporation, New York, N. Y. Wing shutter for motion picture machines. 1,884,730; Oct. 25.

Kindelmann, Albert, Floral Park, assignor to International Projector Corporation, New York, N. Y. Lens shifting device. 1,884,731; Oct. 25.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Take-up device. 1,866,755; Mar. 22.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Film-feeding device. 1,866,756; July 5.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignor to International Projector Corporation, New York, N. Y. Lens adjusting, shifting, and indicating mechanism. 1,883,943; Oct. 25.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Film-feeding device. 1,884,728; Oct. 25.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Film-shrinkage compensating support for moving picture machines. 1,884,732; Oct. 25.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Lens shifting device. 1,884,733; Oct. 25.

Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Interlocking shaft construction. 1,884,734; Oct. 25.

Kinderman, Walter J. (See Eynon, H. G., and Kinderman.)

Kindermann, Erich, Berlin-Reinickendorf-West, assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschrankter Haftung, Berlin, Germany. Refrigerating method and apparatus. 1,875,875; Sept. 6.

Kindervater, Julius, Great Neck, N. Y. Power device for operating reverse gears. 1,847,693; Mar. 1.

Kindervater, Julius, Great Neck, N. Y. Reverse gear mechanism. 1,891,645; Dec. 20.

Kindl, Carl H. (See Kunkle, B. D., and Kindl.)

Kindl, Carl H. (See Teeter, W. H., and Kindl.)

Kindl, Carl H., assignor to Delco Products Corporation, Dayton, Ohio. Speed control for electric motors. 1,847,764; Mar. 1.

Kindl, Carl H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,876,961; Sept. 13.

Kindl, Carl H., assignor to Delco Products Corporation, Dayton, Ohio. Centrifugal device for electric motors. 1,881,666; Oct. 11.

Kindl, Carl H., and W. H. Teeter, assignors, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,852,752; Apr. 5.

Kindl, Carl H., and F. D. Funston, assignors to Delco-Products Corporation, Dayton, Ohio. Shock absorber. 1,873,133; Aug. 23.

Kindleberger, James H., West Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Gull wing plane. 1,891,385; Dec. 20.

Kindom, Olaf A., Minneapolis, Minn. Whistle. Des. 87,720; Sept. 6.

King, Albert B., San Diego, Calif. Internal combustion engine. 1,874,194; Aug. 30.

King, Albert B., San Diego, Calif. Internal combustion engine. 1,874,195; Aug. 30.

King, Alexander H., and E. A. Ryder, West Hartford, assignors to The Pratt & Whitney Aircraft Company, Hartford, Conn. Internal combustion engine. 1,869,429; Aug. 2.

King, Alexander H., and E. A. Ryder, West Hartford, assignors to The Pratt & Whitney Aircraft Company, Hartford, Conn. Internal combustion engine. 1,869,430; Aug. 2.

King, Alexander H., and E. A. Ryder, West Hartford, assignors to The Pratt & Whitney Aircraft Company, Hartford, Conn. Internal combustion engine. 1,869,431; Aug. 2.

King, Alexander H., and E. A. Ryder, West Hartford, assignors to The Pratt & Whitney Aircraft Company, Hartford, Conn. Internal combustion engine. 1,869,432; Aug. 2.

King, Andrew. (See Koronski, Andre.)

King, Bert W., assignor to Barnes Seating Company, Detroit, Mich. Seale construction. 1,842,029; Jan. 19.

King, C. G. & Co. (See Gibbons, Winifred L., assignor.)

King, C. G., & Co. (See Holland, Evelyn N., assignor.)

King, Charles W., Hampden, England, assignor to General Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,853,433; Apr. 12.

King, Clarence W., Shreveport, La. Floating landing stage. 1,854,336; Apr. 19.

King, Cyril J., Flushing, assignor to Smoot Engineering Corporation, New York, N. Y. Control system for roaster furnaces. 1,840,723; Jan. 12.

King, Dean W., San Francisco, Calif. Shot gun sight. 1,851,189; Mar. 29.

King, Elmer J., assignor to The Globe Folding Box Co., Cincinnati, Ohio. Carton. 1,852,527; Apr. 5.

King, Eugene A., Hackensack, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Distilling coal with recovery of the gaseous distillate. 1,853,981; Apr. 12.

King, Frances R., Nyack, assignor to Safety King Corporation, New York, N. Y. Bandit-proof window protector. 1,839,917; Nov. 29.

King, Frank D., Richmond, Ind. Folding ironing board. 1,847,008; Feb. 23.

King, Frank J., et al. (See Allman, John H., assignor.)

King, Frank M., Oak Park, assignor of one-third to J. C. Morrell, River Forest, and one-third to E. Halter, Chicago, Ill. Laundering machine. 1,864,738; June 28.

King, Gelon D., Brooklyn, Mass. Tennis court and treating same. 1,855,207; Nov. 1.

King, George A. (See Fenton, P. E., and King.)

King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Combined filler and anvil for tack-fastened buttons. 1,841,739; Jan. 19.

King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack fastened button. 1,854,845; Apr. 19.

King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack fastened button. 1,862,597; June 14.

King, George A., and E. F. Troske, assignors to Scovill Manufacturing Company, Waterbury, Conn. Carpet fastener. 1,872,001; Aug. 16.

King, George B., Edgbaston, Birmingham, England. Gramophone. 1,843,030; Jan. 26.

King, George B., Edgbaston, Birmingham, England. Box, case, or holder for gramophone needles. 1,857,052; May 3.

King, George D., Fort Dodge, Iowa, assignor to United States Gypsum Co., Chicago, Ill. Cellular product. 1,844,662; Feb. 9.

King, George E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signaling mechanism. 1,854,470; Oct. 29.

King, George W., et al. (See Wagener, James S., assignor.)

King, George W., Coffeyville, Kans., assignor of five-eighths to R. T. Osborn, Bronxville, N. Y., and one-fourth to W. E. Beckner, Coffeyville, Kans. Furnace for stills, etc. 1,851,871; Apr. 5.

King, George W., Coffeyville, Kans., assignor of three-fourths to R. T. Osborn, Bronxville, N. Y. Oil still. 1,851,872; Oct. 12.

King, Gerald V., Springfield, N. J., and F. A. Bonomi, St. Albans, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,866,260; July 5.

King, Gerald V., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,868,326; July 19.

King, Gerald V., and F. A. Bonomi, St. Albans, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,881,609; Oct. 11.

King, Harry W., Philadelphia, Pa. Separator for cards in a box. 1,871,617; Aug. 16.

King Holdings, Inc., The. (See King, John L., assignor.)

King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid depth indicating device. 1,871,182; Aug. 9.

King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid depth indicating device. 1,876,244; Sept. 6.

King, Horace W., Berkeley, Calif., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid depth indicating device. 1,876,245; Sept. 6.

King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Air pressure dry pan. 1,889,555; Nov. 29.

King, Howard O., assignor to J. E. Burke, Fond du Lac, Wis. Cabinet construction. 1,846,643; Feb. 23.

King, Jesse C. (See Wood, S. K., and King.)

King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Cover. 1,846,521; Feb. 23.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,861,091; May 31.

King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating system. 1,863,750; June 21.

King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,866,042; July 5.

King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,866,854; July 12.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,868,907; July 26.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,873,425; Aug. 23.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,877,891; Sept. 20.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,944; Oct. 25.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,883,945; Oct. 25.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,887,558; Nov. 15.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,887,933; Nov. 15.

King, John, Dayton, Ohio. Machine for making plating barrels. 1,885,522; Nov. 1.

King, John H., Wickliffe, Ohio. Rotation transmitting means. 1,866,714; July 12.

King, John H., Cleveland, Ohio. Portable drill. 1,872,969; Aug. 23.

King, John H., and J. A. Allison, Indianapolis, Ind. Cushion structure. 1,887,310; Nov. 8.

King, John L., New York, N. Y., assignor to The King Holdings, Inc. Safety razor. 1,890,733; Dec. 13.

King, John M., Dover, N. J. Combination fuse. 1,848,355; Mar. 8.

King, John W. (See Stull, J. S., and King.)

King, Landreth H., Orange, N. J., assignor to King Mechanism and Engineering Company, New York, N. Y. Dumping truck. 1,842,986; Jan. 26.

King, Laurence A., assignor to Operadio Manufacturing Co., St. Charles, Ill. Sound producing device. 1,855,836; Apr. 26.

King, Laurence A., and H. H. Shotwell, assignors to Operadio Manufacturing Co., St. Charles, Ill. Sound emitting device. 1,855,837; Apr. 26.

King, Louise C., Cleveland, Ohio. Spectacles. 1,871,183; Aug. 9.

King, Louise C., Cleveland, Ohio. Spectacles. 1,872,562; Aug. 16.

King Luminaire Company. (See Haire, George W., assignor.)

King Luminaire Company. (See King, Oliver M., assignor.)

King, Manly E., Springville, N. Y. Differential drive mechanism for automobiles. 1,852,974; Apr. 5.

King, Manly E., Springville, N. Y. Differential drive mechanism for automobiles. 1,869,154; July 26.

King Manufaturing Company. (See Roe, Ernest S., assignor.)

King, Marvin S. (See Cumberland, George A., assignor.)

King Mechanism and Engineering Company. (See King, Landreth H., assignor.)

King, Meibert, Altoona, Pa. Mounting for camera frame yoke. 1,883,796; Oct. 18.

King, Meibert, Altoona, Pa. Carriage adjustment for camera frames. 1,883,797; Oct. 18.

King, Meibert, Altoona, Pa. Camera frame elevator. 1,883,798; Oct. 18.

King, Minnie K. (See Norum, Arnold, assignor.)

King, Morgan L., assignor to Mid-West Steel Products Corporation, Carthage, Mo. Automobile trunk. 1,858,238; Oct. 25.

King, Oliver M., Chicago, Ill., assignor to King Luminaire Company. Lamp mounting. 1,841,538; Jan. 19.

King, Orville D., San Francisco, Calif. Foam distributing apparatus. 1,876,425; Sept. 6.

King, Peter I., Stanton, Minn. Barrel lifter and conveyer. 1,879,313; Sept. 27.

King, Peter J., Detroit, Mich. Ornamental stand. 1,872,970; Aug. 23.

King, Robert H., Cleveland Heights, assignor to The Rotor Air Tool Company, Cleveland, Ohio. Governor controlled fluid pressure tool. 1,862,223; June 7.

King, Robert J., and R. A. Blake, New Haven, assignors to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Sole pressing machine. 1,888,987; Nov. 29.

King, Robert W., Short Hills, N. J. Viscosimeter. 1,874,015; Aug. 30.

King, Rufus, Plainville, assignor to Bugbee & Niles Company, North Attleboro, Mass. Bracelet connection. 1,860,312; May 24.

King Sanitary Pipe Cleaner Company. (See King, Sereno F., assignor.)

King-Seeley Corporation. (See Bandemer, William E., assignor.)

King-Seeley Corporation. (See King, Horace W., assignor.)

King-Seeley Corporation. (See Muzzy, William H., assignor.)

King, Sereno F., Southbury, assignor to King Sanitary Pipe Cleaner Company, Sandy Hook, Conn. Sectional sanitary pipe cleaner. 1,871,798; Aug. 16.
King, Vernon C., Worcester, Mass., assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Conveyer belt. 1,839,226; Jan. 5.
King, Walter E. (See Martin, J. R., and King.)
King, Walter E., assignor to J. S. Abercrombie, Houston, Tex. Valve. 1,876,246; Sept. 6.
King, Walter E., assignor to J. S. Abercrombie, Houston, Tex. Combined blow-out preventer and valve. 1,886,340; Nov. 1.
King, Walter L., Indianapolis, Ind. Time controlled switch. 1,865,919; July 5.
King, William H., Weed, Calif. Panel door construction. 1,857,310; May 10.
King, William H., Clinton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin release for weft replenishing looms. 1,863,904; June 21.
King, William H., and Robert Cottar, Weed, Calif. Variable stroke feeder. 1,859,370; May 24.
King, William H., and A. Huffman, Weed, Calif. Munting machine. 1,860,809; May 31.
King, Willis R. (See Hogaboom, G. B., and King.)
Kingdon, Kenneth H. (See Langmuir, I., and Kingdon.)
Kingdon, Kenneth H., Schenectady, and L. Tonks, Scotia, N. Y., assignors to General Electric Company. Electrode support. 1,866,358; July 5.
Kingdon, Ralph H., assignor to Square D Company, Detroit, Mich. Electrical apparatus. 1,873,426; Aug. 23.
Kingery Manufacturing Company, The. (See Stewart, Geary P., assignor.)
Kinghan, Frank H., Lake Charles, La. Rice drier. 1,860,101; May 24.
Kinghorn, jr., Archibald H., Oakmont, Pa. Traffic control device. 1,865,193; June 28.
Kingman, Russell B., Orange, N. J., assignor to Metal Textile Corporation. Finger piece for scouring pads. Des. 86,242; Feb. 16.
Kingman, Russell B., Orange, N. J., assignor to Metal Textile Corporation. Receptacle. 1,844,960; Feb. 16.
Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. All metal gimped material. 1,867,157; July 12.
Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Preparing all metal gimped material. 1,872,971; Aug. 23.
Kings, Thomas W., Harvey, Ill., assignor, by mesne assignments, to Manhattan Junction, New York, N. Y. Carburetor. Re18,456; May 10.
Kingsbaker, Clyde L., Pittsburgh, Pa. Charcoal broiler. 1,858,017; Oct. 25.
Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Spherical bearing. 1,876,690; Sept. 13.
Kingsbury, Edward J., Keene, N. H. Drilling machine. 1,865,375; June 28.
Kingsbury, Harry T. (See Beedle, F. P., and Kingsbury.)
Kingsbury, Harry T., Keene, N. H. Propeller construction. 1,841,959; Jan. 19.
Kingsbury, Harry T., Keene, N. H. Lighting system for toy automobiles. 1,860,261; May 24.
Kingsbury Machine Works, Inc. (See Howarth, Harry, assignor.)
Kingsbury Machine Works, Inc. (See Kingsbury, Albert, assignor.)
Kingsford, Russell T., Wyncote, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Electrodynamic speaker. 1,859,518; May 24.
Kingsley, Harold T., Detroit, Mich. Musical instrument. 1,880,961; Oct. 4.
Kingsley, Henry E., Chicago, Ill. Airplane. 1,845,420; Feb. 16.
Kingsmill, Harry. (See Hult, W. G., and Kingsmill.)
Kingston, A. Roy, et al. (See Kingston, T. H., and Norman, assignors.)
Kingston, Arthur W., assignor to Spicers Limited, London, England. Cinematograph camera and projector. 1,851,912; Mar. 29.
Kingston, Carnegie. (See Gray, G., and Kingston.)
Kingston, Frank G., et al. (See Kingston, T. H., and Norman, assignors.)
Kingston, Frederick S., assignor to The Sunlight Electrical Manufacturing Company, Warren, Ohio. Clutch and motor construction. 1,853,864; Apr. 12.
Kingston, Frederick S., assignor to The Sunlight Electrical Manufacturing Company, Warren, Ohio. Electric motor. 1,853,865; Apr. 12.
Kingston, Frederick S., assignor to The Sunlight Electrical Manufacturing Company, Warren, Ohio. Electric motor. 1,872,595; Aug. 16.
Kingston, Frederick S., and B. L. Conley, assignors to The Sunlight Electrical & Manufacturing Company, Warren, Ohio. Electric switch. 1,864,654; June 28.
Kingston Products Corporation. (See Beal, Fay, assignor.)
Kingston Products Corporation. (See Carlston, William S., assignor.)
Kingston Products Corporation. (See Zimmerer, Mark E., assignor.)
Kingston, Thomas H., assignor to Builders' Patent Scaffolding Company, West Somerville, Mass. Ledger clamp. 1,890,386; Dec. 6.
Kingston, Thomas H., and J. H. Norman, West Somerville, Mass., assignors to F. G. Kingston, A. R. Kingston, C. C. Timm, and M. G. Kitchen, doing business as Builders' Patent Scaffolding Company, Pole splice clamp. 1,863,247; June 14.
Kinkel, Heinrich, Remscheid-Vieringhausen, Germany. Blade for hack saws. 1,882,328; Oct. 11.
Kinley, Isaac D. (See Bartholomae, B. E., and Kinley.)
Kinley, Myron M., Tulsa, Okla. Method of and apparatus for determining inclination of well holes. 1,861,057; May 31.
Kinman, Thomas H., Bilton, near Rugby, England, assignor to General Electric Company. Radio receiving circuits. 1,863,409; June 14.
Kinnaird, Lawrence, Berkeley, Calif. Educational testing device. 1,867,511; July 12.
Kinnaman, Emma L., Gillette, Wyo. Reflective attachment for cameras. 1,890,995; Dec. 13.
Kinnard, Isaac F., Lynnfield, and H. T. Faus, Lynn, Mass., assignors to General Electric Company. Temperature indicating instrument. 1,857,196; May 10.
Kinnard, Luther J., Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Elevator control system. 1,872,304; Aug. 16.
Kinnard, Luther J., and E. M. Bouton, Chicago, Ill., assignors to Westinghouse Electric and Manufacturing Company. Elevator control system. 1,866,359; July 5.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler mechanism. Re18,681; Oct. 18.
Kinnear, Harry D., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 1,843,681; Feb. 2.
Kinnear, Harry D., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 1,843,682; Feb. 2.
Kinnear Manufacturing Company, The. (See McCloud, Edward H.)
Kinnear Manufacturing Company, The. (See Rush, Albert, assignor.)
Kinney, Ansel M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Textile oil. 1,871,889; Aug. 16.
Kinney Brothers, Inc. (See Wheatcroft, Violette E., assignor.)
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing applying machine. 1,890,227; Jan. 5.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Conveyer. 1,849,247; Mar. 15.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-forwarding system. 1,890,228; Jan. 5.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for preparing closed uppers. 1,869,482; Aug. 2.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making rubber shoes. 1,871,890; Aug. 16.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on soles. 1,891,264; Dec. 20.
Kinney, Fay D., Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,849,302; Mar. 15.
Kinney, Fay D., Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in making rubber shoes. 1,881,670; Oct. 11.
Kinney, James A., Lebanon, Pa., assignor to Bethlehem Steel Company. Heat treatment mechanism. 1,852,528; Apr. 5.
Kinney, Norton W., assignor to Slipper City Wood Heel Company, Haverhill, Mass. Wood heel grooving machine. 1,829,228; Jan. 5.
Kinney, Selwyne P. (See Brassert, H. A., Kinney, and Wetherbee.)
Kinninger, Arthur M. (See Kinninger, Carl A., assignor.)
Kinninger, Carl A., assignor of one-half to A. M. Kinninger, Dayton, Ohio. Tie for wall forms. 1,850,462; Mar. 22.
Kinnison, William E., Casper, Wyo., assignor to Standard Oil Company of Indiana, Whiting, Ind. Filtration. 1,871,891; Aug. 16.
Kinoshita, Yasujiro, Koishikawa-Ku, Tokyo, Japan. Submersible boat. 1,854,992; Apr. 19.
Kinsel, Anthony, assignor to The Litharge Recovery Corporation, Everett, Mass. Separating metallic-base reaction products from other derivatives in the treatment of hydrocarbon oils. 1,883,947; Oct. 25.
Kinsel, Arthur V., assignor of one-half to C. K. Watts, Los Angeles, Calif. Automobile. 1,852,167; Apr. 5.
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Pumping apparatus. 1,884,737; Oct. 25.
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Pumping apparatus. 1,884,738; Oct. 25.
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Pumping apparatus. 1,884,739; Oct. 25.

Kinsey, Bevey A., Dalton, Ga. Indicator for photographic devices. 1,864,442; June 21.

Kinsey, Jason D., Cedar Rapids, Iowa. Razor blade holder. 1,847,765; Mar. 1.

Kintner, Samuel M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube. 1,839,562; Jan. 5.

Kintner, Samuel M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Duplex triode vacuum tube. 1,857,594; May 10.

Kintzele, Julius H. (See Tracy, M. J., and Kintzele.)

Kinyon, Jesse G., Allentown, assignor, by mesne assignments, to the estate of James W. Fuller, deceased, Catasauqua, Pa. Conveying system. 1,857,643; May 10.

Kinzbach, Frank, Houston, Tex. Coating machine. 1,883,305; Oct. 18.

Kinzel, Augustus P., Beechhurst, N. Y., assignor to Electro Metallurgical Company. Ingot mold. 1,883,382; Oct. 18.

Kinzel, Augustus P., Beechhurst, N. Y., assignor to Electro Metallurgical Company. Casting steel ingots. 1,888,132; Nov. 15.

Kinzie, Charles L., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Producing enamels. 1,848,567; Mar. 8.

Kinzie, Phillip A. (See McClellan, L. N., Kinzie, Savage, and Kinzie.)

Kinzie, Phillip A., and J. L. Savage, assignors to Universal Hydraulic Corporation, Denver, Colo. Fluid handling and controlling apparatus. 1,840,205; Jan. 5.

Kinzie, Phillip A., and J. L. Savage, assignors to Universal Hydraulic Corporation, Denver, Colo. Fluid flow control apparatus. 1,878,150; Sept. 20.

Kionka, Carl P., assignor to R. L. Parish, Chicago, Ill. Battery terminal connecter. 1,845,089; Feb. 16.

Kip, Loretta L., Brooklyn, N. Y. Sweatband. 1,855,192; Apr. 26.

Kip, Frederic E., Montclair, N. J. Golf bag. 1,856,837; May 3.

Kipp, Ralph P., Ossining, N. Y. Blood transfusion device. 1,886,818; Nov. 8.

Kipper, Alice E., and H. H. Thayer, Los Angeles, Calif. Locking device. 1,871,064; Aug. 9.

Kipper, Herman B., New York, N. Y. Recovering sodium, potassium and magnesium chlorides from natural brines. 1,849,301; June 10.

Kipper, Herman B., New York, N. Y. Recovering sodium, potassium and magnesium chlorides from natural brines and controlling the crystal size. 1,878,586; Sept. 20.

Kipper, Herman B., New York, assignor to R. Baylor Knox, Bronxville, N. Y. Production of acetylene from petroleum oil. 1,883,799; Oct. 18.

Kipper, Joseph, Seattle, Wash. Meat mold. 1,856,564; May 3.

Kipple, William F., Portland, Oreg. Hand grip balanced hollow tile. 1,886,404; Nov. 8.

Kirby, Arthur L. (See Scott, K. L., Kirby, and Leach.)

Kirby, Charles H., Flint, Mich., assignor to Marvel Carbureter Company, Flint, Mich. Heater construction for intake manifolds. 1,841,740; Jan. 19.

Kirby, Charles H., Flint, Mich., assignor to Marvel Carbureter Company, Carburetor. 1,843,644; Feb. 2.

Kirby, Charles H., Flint, Mich., assignor to Marvel Carbureter Company. Vacuum operated heat control. 1,858,623; Apr. 12.

Kirby, Charles H., assignor to Marvel Carbureter Company, Flint, Mich. Heat control valve. 1,853,624; Apr. 12.

Kirby, Charles H., assignor to Marvel Carbureter Company, Flint, Mich. Heat control mechanism. 1,881,671; Oct. 11.

Kirby, James B., West Richfield, Ohio. Laundry machine. 1,842,050; Jan. 19.

Kirby, James B., West Richfield, Ohio. Centrifugal machine. 1,853,866; Apr. 12.

Kirby, James B., West Richfield, Ohio. Laundry machine. 1,858,688; May 10.

Kirby, John F., Somerville, N. J. Pipe joint. 1,888,938; Nov. 29.

Kirby, Walter E., Bay Village, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas range. 1,844,768; Feb. 9.

Kirby, William J., Somerville, N. J. Oven door. 1,885,357; Nov. 1.

Kirchbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Building construction. 1,884,740; Oct. 25.

Kircher, Otto, Strasbourg, France. Inserting and protecting device for shoe laces. 1,844,223; Feb. 9.

Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Valve for cookers. 1,857,459; May 10.

Kircher, Ralph N., and R. H. Wentorf, assignors to West Bend Aluminum Company, West Bend, Wis. Coffee and tea maker. 1,870,254; Aug. 9.

Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough working device. 1,866,213; July 5.

Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Sheeter and curling roll adjustment device. 1,867,223; July 12.

Kirchner, Carl, Brunswick, Germany. Electric truck with steering axles. 1,852,209; Apr. 5.

Kirchner, Carl, assignor to The Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Sheet metal stamping. 1,841,820; Jan. 19.

Kirchner, Carl, assignor to The Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Angle bar shearing and punching mechanism. 1,854,516; Apr. 19.

Kirchner, Carl, assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Hook and knot forming machine. 1,860,582; May 31.

Kirchner, Carl, assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Making spring structure. 1,881,672; Oct. 11.

Kircher, Henry F. (See Johnson, B. M., and Kirchner.)

Kirchner, Henry F., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace and operating the same. 1,867,012; July 12.

Kirchner, Henry F., assignor to The Carborundum Company, Niagara Falls, N. Y. Boiler furnace construction. 1,872,972; Aug. 23.

Kirchner, Martin, Berlin-Lankwitz, Germany, assignor to United Chromium, incorporated, New York, N. Y. Electroplating equipment. 1,865,767; July 5.

Kirchner, Ulrich, Bitterfeld-on-the-Kiss, and G. Strecker, Darmstadt, Germany. Drum type mill for paper and pulp manufacture. 1,854,652; Apr. 19.

Kirchner, Walter, assignor to Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft, Grunau-Berlin, Germany. Rendering cement, mortar, and concrete watertight. 1,844,663; Feb. 9.

Kirchoff, Elmer J., Detroit, Mich. Vertically and laterally movable window. 1,844,427; Feb. 9.

Kirchoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough working device. 1,860,252; May 24.

Kirchoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Twin loaf assembler. 1,871,216; Aug. 9.

Kirgan, John. (See Bancel, P. A., and Kirgan.)

Kirk & Blum Manufacturing Company, The. (See Kirk, S. W., Blum, and Meuttman, assignors.)

Kirk, Claude R., Chicago, Ill. Amusement machine cabinet. Des. 87,540; Sept. 27.

Kirk, Edward B., New Haven, Conn., assignor to Kirk Holding Corporation, New York, N. Y. Display method and apparatus. 1,886,341; Nov. 8.

Kirk, Edward C., St. Albans, W. Va., assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Attachable welding terminal. 1,885,719; July 5.

Kirk, Edward C., St. Albans, W. Va., assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Attachable welding or joint bond welding terminal. 1,890,5613; Dec. 13.

Kirk Holding Corporation. (See Kirk, Edward B., assignor.)

Kirk, Raphael S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for constructing tire beads. 1,841,331; Jan. 12.

Kirk, Raphael S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Chafing strip building machine. 1,846,260; Feb. 23.

Kirk, Robert H. (See Martinez, H., and Kirk.)

Kirk, Stanley E. (See Salmon, R. D., and Kirk.)

Kirk, Sylvester W., R. J. Blum, and W. R. Meuttman, assignors to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Dust collecting system. 1,842,409; Jan. 26.

Kirk, William J., Wellsburg, W. Va. Dilator. 1,873,427; Aug. 23.

Kirk, William J., Wellsburg, W. Va. Medical tablet. 1,881,197; Oct. 4.

Kirk, William J., Wellsburg, W. Va. Heated cushion. 1,881,198; Oct. 4.

Kirk, William T. (See Anderson, Carlton.)

Kirkaldy, Alexander, Yorktown Heights, assignor to Electro Anti-Corrosion Corporation, New York, N. Y. Electrolytic means for the protection of boilers. 1,874,759; Aug. 30.

Kirkbride, Walter H., San Francisco, Calif. Boring-jig for railway crossties. 1,850,485; May 3.

Kirkby, Clyde T., Chicago, Ill. Fly swatter. 1,857,757; May 10.

Kirkham, Charles B. (See Carpenter, M. H., and Kirkham.)

Kirkham, Kenzie K., Ames, Iowa. Athletic glove or mitt construction. 1,852,416; Apr. 5.

Kirkland, Harold R., New York, N. Y. Signal lamp. 1,858,994; May 17.

Kirkland, Sanford H. (See Mays, H., and Kirkland.)

Kirkpatrick, Alton, Lansdowne, Pa. Gauge. 1,892,212; Dec. 27.

Kirkpatrick, John, Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Ash tray. Des. 85,983; Dec. 12.

Kirkpatrick, Lige H., assignor of one-half to A. G. Schechrist, Lawton, Okla. Gasket. 1,891,424; Dec. 20.

Kirkpatrick, Russell W., assignor of one-half to H. V. Meyer, Atlanta, Ga. Lock protecting device. 1,863,487; June 14.

Kirkpatrick, Thomas P., Decatur, Ga., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,883,948; Oct. 25.

Kirkpatrick, William E., Springfield, Ohio. Return bend. 1,867,016; June 28.

Kirkpatrick, William J., Richmond Hill, assignor to A. Schrader's Son, Incorporated, New York, N. Y. Tire valve connection. 1,854,797; Apr. 19.

Kirkriet, Edward G. (See Morgan, E. G., and Kirkriet.)

Kirkwood, Arthur M., Portland, Oreg., assignor to Log Debarking and Sizing Corporation. Debarking machine. 1,855,577; Apr. 26.

Kirkwood, Robert G. (See Thompson, W. H., and Kirkwood.)

Kirn, Oscar, C., assignor to The Quaker Oats Company, Chicago, Ill. Apparatus for puffing starch-containing materials. 1,878,782; Sept. 20.

Kirsch, Benjamin. (See Pardee, H. S., and Kirsch.)

Kirsch, Benjamin, assignor to Auto Radiator Manufacturing Company, Chicago, Ill. Combined radiator shell and deflector. Des. 67,685; Aug. 30.

Kirsch, Benjamin, assignor to Auto Radiator Manufacturing Co., Chicago, Ill. Automotive heater. 1,849,934; Mar. 15.

Kirsch, Charles W., Sturgis, Mich. Cornice-curtain pole. 1,842,787; Jan. 26.

Kirsch, Charles W., assignor, by mesne assignments, to Kirsch Company, Sturgis, Mich. Detachably mounting brackets on walls, etc. 1,842,786; Jan. 26.

Kirsch, Charles W., assignor to Kirsch Company, Sturgis, Mich. Draw cord support for telescopically extensible curtain rods. 1,876,060; Sept. 6.

Kirsch, Charles W., assignor to Kirsch Company, Sturgis, Mich. Drapery suspension device. 1,876,061; Sept. 6.

Kirsch Company. (See Doolittle, Eva R., assignor.)

Kirsch Company. (See Kirsch, Charles W., assignor.)

Kirsch, Rudolf, Frankfort-on-the-Main, assignor to K. Maxaner, Celle-Kl. Heblen, Germany. Calendar. 1,867,079; July 12.

Kirschbraun, Lester, Leonia, N. J. Method of and apparatus for producing bituminous emulsions. 1,866,503; July 5.

Kirschbraun, Lester, Leonia, N. J. Cooling molten bitumen. 1,866,504; July 5.

Kirschbraun, Lester, Leonia, N. J. Aqueous dispersions and making same. 1,867,783; Sept. 20.

Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,843,683; Feb. 2.

Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Co., Chicago, Ill. Treating oil. 1,843,684; Feb. 2.

Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking hydrocarbons. 1,862,703; Apr. 26.

Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Aqueous dispersion and making same. 1,859,517; May 24.

Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Building material and making same. 1,865,634; July 5.

Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Making bituminous emulsions and products thereof. 1,869,097; Aug. 2.

Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,870,178; Aug. 2.

Kirschstein, Morris. (See Oskow, Louis, assignor.)

Kirshner, Abraham S., Philadelphia, Pa. Liquid filling machine. 1,857,915; May 10.

Kirst, William H. (See Cox, I. J., Kirst, and Woodbury.)

Kirsten, Isaac, Wawasee, Wis. Shear knife adjusting means. 1,866,855; July 12.

Kirtland, Fred D., Germantown, J. J. Broshek, Philadelphia, and R. C. Brierly, Nesbeth, Pa., and J. S. Evans, Schenectady, N. Y., assignors to Peabody Engineering Corporation. Apparatus for distributing pulverized fuel to furnaces. 1,861,535; June 7.

Kirtley, Eben L., Watertown, Mass. Tire alarm. 1,841,248; Jan. 12.

Kishida, Kisuke, Wakayamashi, Japan. Identifying the contents of bottles. 1,842,987; Jan. 26.

Kishline, Floyd F., Detroit, Mich., assignor to Graham-Paige Motors Corporation. Manifold heat control. 1,891,768; Dec. 20.

Kislyn Corporation. (See Berthon, Rodolphe, assignor.)

Kislyn Corporation. (See Brosse, Fenil, assignor.)

Kispert, Joseph J., assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 1,868,391; July 19.

Kiss, Aaron, Meriden, Conn. Ornamented silk lampshade. 1,879,314; Sept. 27.

Kiss, Joseph, River Forest, assignor of one-half to A. Schumacher, Oak Park, Ill. Airplane safety device. 1,856,999; May 3.

Kisselle, John M., assignor to The Detroit Vapor Stove Company, Detroit, Mich. Combined gas oven and heat control therefor. 1,883,349; Oct. 25.

Kissick-Fenno Co. Inc. (See Kissick, Joseph, assignor.)

Kissick, Joseph, White Plains, N. Y., assignor to Kissick-Fenno Co. Inc. Method of and apparatus for feeding water to boilers. 1,883,950; Oct. 25.

Kissinger, Charles L., Altoona, Pa. Automotive truck. 1,849,685; Feb. 2.

Kissinger, George B., Takoma Park, Md. Brick. 1,850,884; Mar. 22.

Kissinger, George B., Takoma Park, Md. Brick. 1,865,114; June 28.

Kissling, Albert, Frankfort-on-the-Main-Hoechst, E. Hotz, Hattersheim, near Frankfort-on-the-Main, and W. Fitzky, Frankfort-on-the-Main, Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Quantitative separation of a mixture of 2-halogen-3-chloro- and 2-halogen-5-chloro-4-amino-1-methyl-benzenes. 1,849,321; Jan. 12.

Kissock, Alan, Forest Hills, N. Y. Producing molybdenum-bearing iron. 1,857,595; May 10.

Kistler, Herman E., Warren, Ohio. Device for supporting advertising matter in tires. 1,843,031; Jan. 26.

Kistner, Frederick J., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Driving mechanism for endless feed belts of woodworking machines and the like. 1,841,481; Jan. 19.

Kistner, Frederick J., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Support for top and bottom cutter head motors of molders. 1,851,256; Mar. 29.

Kitamura, Mokiti, Kanagawaken, and K. Yamazaki, Tokyo, Japan, assignors to General Electric Company. Electrical regulator. 1,848,830; Mar. 8.

Kitchen, A. & J., Tool Co. (See Kail, Charles E., assignor.)

Kitchen Aid Manufacturing Company, The. (See Meeker, David A., assignor.)

Kitchen, Boris, et al. (See Sanftleben, Joseph F., assignor.)

Kitchen, Charles B., North Glenside, Pa. Brake band equalizer for automobiles. 1,874,760; Aug. 30.

Kitchen, Francis A. (See Kitchen, John H. and F. A.)

Kitchen, John H., Kansas City, Mo., and F. A. Kitchen, Cleveland, Ohio, assignors to M. L. Kitchen, Kansas City, Mo., and F. A. Kitchen, Cleveland, Ohio. Air conditioning device. 1,891,327; Dec. 20.

Kitchen Katch-All Corporation, The. (See Kaplan, L. J., and Meyerson, assignor.)

Kitchen, Mabel G., et al. (See Kingston, T. H., and Norman, assignors.)

Kitchen, Mabel L., et al. (See Kitchen, John H. and F. A., assignors.)

Kitroser, Isaac, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Color filter. 1,878,857; Sept. 20.

Kitroser, Isaac, Paris, France, assignor, by mesne assignments, to Keller-Dorian Colorfilm Corporation, New York, N. Y. Method and apparatus for causing the reticulation and cloudy effects in goffered films in colors to disappear. 1,884,904; Oct. 25.

Kitroser, Isaac, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Rotating prism apparatus. 1,884,905; Oct. 25.

Kitroser, Isaac, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Rotating glass apparatus for copying goffered films. 1,884,996; Oct. 25.

Kitsée, Isidor, assignor to Mineralite Corporation, Philadelphia, Pa. Producing board-like material with the aid of mineral wool. 1,865,127; Dec. 27.

Kitson Company. (See Fow, Ambrose F., assignor.)

Kittel, John J., St. Albans, N. Y., assignor of one-half to E. W. Beebe, East Orange, N. J. Ellipsograph. 1,872,973; Aug. 23.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,876,502; Sept. 6.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,891,991; Dec. 27.

Kittle, Charles R., Elsinore, Calif. Saw. 1,852,616; Apr. 5.

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,878,858; Sept. 20.

Kittredge, Ernest E., Alameda, J. A. Forster, Oakland, and R. D. Johansen, Alameda, Calif. Electric steam generating system. 1,859,764; Jan. 5.

Kittredge, Linus E., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,846,261; Feb. 23.

Kittredge, Linus E., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,846,262; Feb. 23.

Kitts, Howard L., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motion picture projector. 1,863,309; June 14.

Kitze, Herman, Owen, Wis. Blackboard. 1,877,669; Sept. 13.

Kivari, Arthur M., Los Angeles, Calif., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Rotary drum screen. 1,845,624; Feb. 16.

Kivett, Louis H. (See Nutt, W., Kivett, and Scott.)

Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating materials. 1,871,456; Aug. 16.

Kiwi, Walter, Andalusia, assignor to Peerless Springs, Incorporated, West Chester, Pa. Spring construction. 1,882,427; Oct. 11.

Kiyota, David M., Honolulu, Hawaii. Bottle cap. 1,845,754; Feb. 16.

Kizinski, Joseph W., Saint Marys, W. Va. Combined egg cup and beverage tumbler. Des. 66,379; Mar. 1.

Kjellander, Gustaf Ivar, Sodertalje, Sweden. Lumber elevator. 1,890,387; Dec. 6.

Kjelgren, Sten F. V., Skoghall, Sweden. Casting material in bars, 1,852,463; Apr. 5.

Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Spool for adhesive tape, 1,843,235; Feb. 2.

Kjerulf, Anton P., Lake Charles, La. Pipe and sewer rod, 1,858,509; May 17.

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Load coupling articulation, 1,842,973; Jan. 26.

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Centering device for radial draft gears, 1,852,810; Apr. 5.

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Door counterbalancing structure, 1,861,277; May 31.

Klages, Chester F. and N. H., assignors to G. W. Klages and Son, Incorporated, Pittsburgh, Pa. Multiple glass cutting machine, 1,852,310; Apr. 5.

Klages, Chester F. and N. H., assignors to G. W. Klages & Son, Incorporated, Pittsburgh, Pa. Multiple glass cutting machine, 1,852,311; Apr. 5.

Klages, G. W., assignor to Incorporated. (See Klages, Chester F. and N. H., assignors.)

Klages, Norman H. (See Klages, Chester F. and N. H.)

Klages, Otto. (See Baird, B. G., and Klages.)

Klahn, Arthur H., deceased, assignor to O. J. Klahn, executrix, San Francisco, Calif. Automatic opening and closing furnace door for automatic oil burners, 1,876,962; Sept. 13.

Klahn, Emil, New Vernon, N. J. Propulsion means for aircraft, 1,881,673; Oct. 11.

Klahn, Emil, New Vernon, N. J. Aircraft, 1,881,674; Oct. 11.

Klahn, Olga J., executrix. (See Klahn, Arthur H., assignor.)

Klahre, Hugo, Teaneck, N. J., assignor to Consolidated Trimming Corp., New York, N. Y. Multiple bow-shuttle, 1,860,722; July 26.

Klaiber, Erich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition control apparatus for internal-combustion engines, 1,861,417; May 31.

Klaiber, Erich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Battery ignition device, 1,883,951; Oct. 25.

Klaiber, Friedrich. (See Tischner, H., and Klaiber.)

Klaiber, Georg, Altstatten, and E. Kühnis, Oberriet, assignors to Firm Heberlein & Cie. A. G., Rebstein, St. Gall, Switzerland. Producing fringes and fringed fabrics, 1,852,417; Apr. 5.

Klamroth, Arno. (See Tschunkur, E., and Klamroth.)

Klappenecker, Wilhelm, assignor to Telegraphie-Patent-Syndikat, G. m. b. H., Berlin, Germany. Device for rewinding magnetic record carriers and the like, 1,844,224; Feb. 9.

Klapperstück, Friedrich, Berlin-Friedenau, Germany. Pouring and closing lid for milk tins, 1,359,741; May 24.

Klarmann, Emil, Jersey City, and L. W. Gatyas, assignors to Lehn & Fink, Inc., Bloomfield, N. J. Hydroquinone derivative, 1,863,902; Oct. 25.

Klarmann, Emil, Jersey City, and L. W. Gatyas, assignors to Lehn & Fink, Inc., Bloomfield, N. J. Monoethers of resorcinol, 1,858,827; Nov. 22.

Klass, Carl C., Ottawa, Ill. Lawn mower, 1,876,963; Sept. 13.

Klatt, Herman A., Brooklyn, N. Y., assignor to Essex Foundation, Inc., Newark, N. J., 1,862,149; June 7.

Klaucke, Hermann, Worcester, assignor, by mesne assignments, to L. H. Hamel Leather Co., Haverhill, Mass. Conveyer system for manipulating flat articles, 1,873,426; Aug. 23.

Klauer Manufacturing Company. (See Klauer, W. E., and Ostrander, assignors.)

Klauer, Walter E., Dubuque, Iowa. Steering means for snowplows, 1,889,667; Nov. 29.

Klauer, Walter E., and C. L. Ostrander, assignors to Klauer Manufacturing Company, Dubuque, Iowa. Loading hook for snow removing mechanism, 1,879,315; Sept. 27.

Klaus, Charles E., Portland, Oreg. Fountain pen, 1,845,287; Feb. 23.

Klaus, Fred R., Warren, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Rim, 1,846,117; Feb. 23.

Klaus, Fred R., Warren, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Cutting rims, 1,846,118; Feb. 23.

Klaus, Rudolf, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Film pack casing, 1,871,217; Aug. 9.

Klausmeyer, David C., assignor to The Cincinnati-Bickford Tool Company, Oakley, Cincinnati, Ohio. Oilproof spindle end, 1,855,193; Apr. 26.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Detachable spindle drive and feed unit, 1,858,995; May 17.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Feed slide for interchangeable drill heads, 1,859,778; May 24.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Worktable and mount therefor, 1,870,413; Aug. 9.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Power braked mobile drill, 1,875,016; Aug. 30.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Co., Oakley, Cincinnati, Ohio. Drill column clamping means, 1,875,017; Aug. 30.

Klausmeyer, David C., deceased, Hyde Park, Cincinnati, Ohio, by H. Henry Sundermann, executor, and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Head mount with roller bearing gib, 1,881,675; Oct. 11.

Klaussen, Liel B., Minde, near Bergen, Norway. Apparatus for turning the leaves of music, 1,849,459; Mar. 15.

Klavon, James J., Pittsburgh, Pa. Locking hairpin, 1,852,931; Apr. 5.

Klawitter, August G. (See Schmidt, O. C., and Klawitter.)

Kleaver, William K., Grand Rapids, Mich. Radio table or similar article. Des. 87,750; Sept. 13.

Kleaver, William K., Grand Rapids, Mich. Radio table or similar article. Des. 87,785; Sept. 20.

Kleaver, William K., Grand Rapids, Mich. Cabinet or similar article of furniture. Des. 87,786; Sept. 20.

Kleaver, William K., Grand Rapids, Mich. Radio table or similar article. Des. 87,787; Sept. 20.

Kleaver, William K., Grand Rapids, Mich. Radio table or similar article. Des. 87,926; Oct. 11.

Kleb, George A., St. Louis, Mo. Baseball strike zone target, 1,879,316; Sept. 27.

Klecka, John J., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y. Finger ring. Des. 87,097; June 7.

Kleckner, Arthur C., assignor to Webster Electric Company, Racine, Wis. Casing for electrical apparatus, Re18,627; Oct. 18.

Kleckner, John L., South Bend, Ind. Door for rabbit hutches, 1,857,246; May 10.

Kleczewski, John S., Chicago, Ill. Baking pan, 1,850,463; Mar. 22.

Kleeman, William F., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Expansion joint, 1,854,039; Jan. 12.

Klees, Albert L., Long Beach, N. Y., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burning apparatus, 1,852,119; Apr. 5.

Klees, Albert L., assignor to Combustion Utilities Corporation, New York, N. Y. Oil burning machine utilizing air blast, 1,860,311; May 24.

Kleess, Edward J., Springfield, N. Y. Paper bottle, 1,892,466; Dec. 27.

Kleffel, Harrison E., New York, N. Y. Radiant heat boiler, 1,854,741; Oct. 20.

Kleffel, Harrison E., New York, N. Y. Boiler construction, 1,884,742; Oct. 25.

Kleffman, John, Hibbing, Minn. Box trap, 1,861,478; June 7.

Kleffman, John, Hibbing, Minn. Animal trap, 1,861,479; June 7.

Kleiber, Kurt, Sandberg, Germany. Closing device for collar buttons, 1,879,903; Sept. 27.

Klein, Arnold O., et al. (See LeFevre, John S., assignor.)

Klein, Benjamin F., Detroit, Mich. Beverage dispenser, 1,879,317; Sept. 27.

Klein, Benjamin W., New York, N. Y. Heel lift, 1,847,217; Mar. 1.

Klein, Carl A., Brimsdown, and R. S. Brown, London, England. Titanium pigments and preparation thereof, 1,856,565; May 3.

Klein, Carl A., Brimsdown, and R. S. Brown, London, England. Titanium pigments and preparation thereof, 1,856,566; May 3.

Klein, Emil, Stuttgart, Germany, assignor to MacGregor Instrument Company, Needham, Mass. Elastic woven bandage, 1,875,740; Sept. 6.

Klein, Fred, Hollywood, Calif. Vehicle running board mat, 1,868,600; June 21.

Klein, Frederick, College Point, N. Y., assignor to Sipp-Eastwood Corporation, Paterson, N. J. Condenser, 1,860,877; May 31.

Klein, Frederick, College Point, N. Y., assignor to Sipp-Eastwood Corporation, Paterson, N. J. Creel, 1,885,114; Nov. 1.

Klein, Frederick, College Point, N. Y., assignor to Sipp-Eastwood Corporation, Paterson, N. J. Doubling and twisting machine, 1,887,207; Nov. 8.

Klein, George, Centralia, Ill. Carbon brush, 1,889,834; Dec. 6.

Klein, Georges, Paris, France. Window assembly, 1,877,244; Sept. 13.

Klein, Hans. (See Luther, M., and Klein.)

Klein, Hans, Ida-& Marienhutte, near Saarau, Germany. Oxidizing organic compounds, 1,876,059; Sept. 6.

Klein, Henry J. (See Brown, M. W., Klein, and Wager.)

Klein, Herman, Chicago, Ill. Curtain raising device, 1,841,821; Jan. 19.

Klein, John, Brooklyn, N. Y. Tobacco pipe, 1,861,865; June 7.

Klein, John, Chicago, Ill. Piston cleaning tool, 1,886,696; Nov. 8.

Klein, John B., Kansas City, Kans. Building. Des. 87,394; July 19.

Klein, John F., assignor to Knapp-Monarch Company, Belleville, Ill. Waffle iron. Des. 86,844; Apr. 26.

Klein, Joseph W., Los Angeles, Calif. Chime. Des. 86,032; Jan. 19.

Klein, Ludwig, Dusseldorf, Germany. Pilger rolling process and roll for performing same. 1,876,691; Sept. 13.

Klein, Max, assignor to Shapiro and Aronson, Inc., New York, N. Y. Lighting fixture. Des. 86,316; Feb. 23.

Klein, Myer S., Malden Mass., assignor to Fanco Rubber Company, Chelsea, Mass. Shoe sole or similar article. Des 86,527; Mar. 15.

Klein, Nathan, Newark, assignor to Jacques J. Alder, Newark, Bergen, doing business as J. J. Alder & Co., Union City, N. J. Neckpiece for a woman's garment or similar article. Des. 87,581; Aug. 16.

Klein, Nathan, Newark, assignor to Jacques J. Alder, North Bergen, doing business as J. J. Alder & Co., Union City, N. J. Neckpiece for a woman's garment or similar article. Des. 87,582; Aug. 16.

Klein, Nathan, Newark, assignor to Jacques J. Alder, North Bergen, doing business as J. J. Alder & Co., Union City, N. J. Lace yoke for a neckpiece for woman's garment or similar article. Des. 87,583; Aug. 16.

Klein, Paul, Budapest, Hungary, A. Szegvári, Akron, Ohio, R. F. McKay, C. Hayes and G. W. Trobridge Birmingham, England, assignors to American Anode, Inc., Akron, Ohio. Direct deposition of rubber articles from aqueous dispersion of rubber. 1,878,151; Sept. 20.

Klein, Richard, Detroit, Mich. Hair curling device. 1,849,401; Mar. 1.

Klein, Richard, Heidelberg, and H. Ulrich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Soaking of hides. 1,870,179; Aug. 2.

Klein, Stanley J., assignor to Empire Box Corporation, Chicago, Ill., Inc. 1,865,650; July 5.

Klein, Tomas J., Chicago, Ill. Bird perch. 1,879,318; Sept. 27.

Klein, William C., Allentown, Pa. Railway car truck assembly. 1,847,761; Aug. 30.

Kleine, William O., Cincinnati, Ohio. Perpetual calendar. 1,863,926; June 21.

Kleinecke, Paul R., Easton, Pa., assignor to American Assembling Machine Company. Bookbinder stitcher. 1,864,739; June 28.

Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)

Kleinert, Karl, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Signaling apparatus. 1,865,953; Oct. 25.

Kleinert, Karl, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Signaling device. 1,865,954; Oct. 25.

Kleinert, Theodor, and K. Tayenthal, Vienna, Austria. Decomposing vegetable fibrous matter for the purpose of simultaneous recovery both of the cellulose and of the incrusting ingredients. 1,859,071; May 3.

Kleinfeld, Moses H., New York, N. Y. Coin-operated sparkplug cleaner. 1,864,072; June 21.

Kleinman, Harold A., Moline, Ill., assignor to The Gas Machinery Company, Cleveland, Ohio. Method of and apparatus for dehydrating tar. 1,847,654; Mar. 1.

Kleinman, Jacob L., New York, N. Y. Net holder. 1,862,118; June 7.

Kleinman, Jacob L., New York, N. Y. Tennis racket. 1,868,238; July 19.

Kleinman, Jacob L., New York, N. Y. Razor. 1,868,239; July 19.

Kleinow, Walter, Hennigsdorf, near Berlin, Germany. Furnace. 1,851,772; Mar. 29.

Kleinow, Walter, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company. Burner for powdered fuel. 1,849,841; Mar. 15.

Kleinow, Walter, Hennigsdorf, Germany, assignor to General Electric Company. Pulverized coal firing with subdivided flame. 1,852,809; Apr. 5.

Kleinow, Walter, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company. Distributor for pulverulent fuel burners and making same. 1,861,410; May 31.

Kleinow, Walter, Hennigsdorf, near Berlin, A. Morgenroth, Niedereneudorf, near Berlin, F. Reinhardt, Hennigsdorf, near Berlin, and W. Bruer, Tetlin, Germany. Cooling system for nozzle burners. 1,888,088; Nov. 15.

Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Radio telegraph system. 1,842,721; Jan. 26.

Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Signaling system. 1,842,722; Jan. 26.

Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Selective system and apparatus therefor. 1,860,494; May 31.

Kleinschmidt, Edward E., Long Island City, N. Y., assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. System of signaling and repeater therefor. 1,867,976; July 19.

Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Selective system and apparatus. 1,873,206; Aug. 23.

Kleinschmidt, Edward E., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph. 1,878,152; Sept. 20.

Kleinschmidt, Edward E., assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill. Selecting telegraph. 1,883,955; Oct. 25.

Kleinschmidt, Edward E., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Single magnet reperforator. 1,884,743; Oct. 25.

Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Repeating system and apparatus. 1,884,744; Oct. 25.

Kleinschmidt, Edward E., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Selective system and apparatus. 1,884,745; Oct. 25.

Kleinschmidt, Edward E., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 1,892,352; Dec. 27.

Kleinschmidt, Oscar, and R. Klemm, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany. Method of and mechanism for opening sheets in sheet-handling machines. 1,889,364; Nov. 29.

Kleinschmit, Oscar, assignor to Gebruder Brehmer, Maschinenfabrik, Leipzig Plagwitz, Germany. Sheet edge pasting machine. 1,841,539; Jan. 19.

Kleinschmit, Oscar, assignor to Gebruder Brehmer Maschinen-Fabrik, Leipzig-Plagwitz, Germany. Paper folding machine. 1,846,119; Feb. 23.

Kleinsteiber, William H., Toronto, assignor to Canadian Line Materials Limited, Scarboro Junction, Ontario, Canada. Parallel groove clamp. 1,886,195; Nov. 1.

Kleist, Albert A., Lewis, and L. A. N. Aske, Minneapolis, Minn. Scrubbing device. 1,847,766; Mar. 1.

Kleist, Herman W., assignor to Dole Refrigerating Machine Company, Chicago, Ill. Refrigerating apparatus. 1,863,718; June 21.

Kleitz, William, Albany, N. Y. Concrete structure. 1,879,319; Sept. 27.

Klem, Fer, Oslo, Norway. Treating mechanical wood pulp. 1,865,768; July 5.

Klemm, Hans, Dresden, assignor to the Firm: Koch & Sterzel Aktiengesellschaft, Dresden, Saxony, Germany. Insulator for electric systems. 1,863,631; June 21.

Klemm, Rudolf. (See Kleinschmidt, O., and Klemm.)

Klemm, Rudolf, assignor to Gebruder Brehmer, Leipzig-Plagwitz, Germany. Method of and mechanism for automatically feeding individual signatures into a signature-handling machine. 1,847,767; Mar. 1.

Klemme, Maurice G., Belleville, Ill. Cooking stove. Des. 87,066; May 31.

Klemperer, Wolfgang, Akron, Ohio, assignor to the Firm of Carl Zeiss, Jena, Germany. Hydrostatic load factor indicator for aircraft. 1,865,698; July 5.

Klencke, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Roasting and sintering pulverulent ores having a high sulphur content. 1,861,181; May 31.

Klencke, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of ore coke. 1,864,035; June 28.

Klenk, Willy, Stuttgart-Cannstatt, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Device for steaming bread in bake ovens. 1,870,459; Aug. 9.

Klentzer, Fred, Lafayette, Ind. Wheel construction. 1,885,729; Nov. 1.

Kleschka, John J., Waterbury, Conn. Hydraulic transmission mechanism. 1,877,600; May 3.

Klett, Henry G., New York, N. Y. Valve. 1,879,320; Sept. 27.

Kleucker, George M., St., Louis, Mo. Pipe fin. 1,847,878; Mar. 1.

Klie, Frank H., Chicago, Ill. Frame for pictures, mottoes, and the like. Des. 87,221; June 28.

Klie, Frank H., Chicago, Ill. Method and blank for producing frames. 1,862,897; June 14.

Klieforth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Viscous product and making the same. 1,875,018; Aug. 30.

Kliegl Bros. Universal Electric Stage Lighting Co. (See Kliegl, John H., assignor.)

Kliegl, John H., New York, N. Y. Color display device. 1,851,585; Mar. 29.

Kliegl, John H., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., New York, N. Y. Color screen control. 1,875,814; Sept. 6.

Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)

Klimek, Gustav A., East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y. Hydraulic power transmitter. 1,859,448; May 24.

Klinckmuller, Karl, Boston, Mass. Oil burner control system. 1,890,119; Dec. 6.

Kline, Arthur L., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Painting instrument. 1,887,010; Nov. 8.

Kline, Charles L., and H. B. Harrington, assignors to Emille F. Harrington, Buffalo, N. Y. Gas burning heater. 1,884,746; Oct. 25.

Kline, Edward C., Streator, Ill. Steam boiler. 1,872,464; Aug. 16.

Kline, Edward S. (See Brinkman, E. W., and Kline.)

Kline, Elmer V., University City, assignor to Victor Pharmacal Company, Inc., St. Louis, Mo. Safety razor blade sharpener. 1,879,807; Sept. 27.

Kline, Fred J., Bayville, N. Y. Paper perforating device. 1,870,055; Aug. 2.

Kline, Fred J., Bayville, assignor to Acco Products, Inc., Long Island City, N. Y. Binding strip. 1,843,771; Feb. 2.

Kline, Fred J., Bayville, assignor to Acco Products, Inc., Long Island City, N. Y. Filing device. 1,867,158; July 12.

Kline, Fred J., Bayville, assignor to Acco Products, Inc., Long Island City, N. Y. Filing device. 1,867,159; July 12.

Kline, Fred J., Bayville, assignor to Acco Products, Inc., Long Island City, N. Y. Apparatus for attaching paper fasteners. 1,869,971; Aug. 2.

Kline, Fred J., Bayville, assignor to Acco Products, Inc., Long Island City, N. Y. Filing device. 1,869,972; Aug. 2.

Kline, Lawrence J., assignor to Mercury Manufacturing Company, Chicago, Ill. Trailer or truck lock mechanism. 1,881,676; Oct. 11 Nov. 8.

Kline, Virgil C., Floral Park, N. Y. Toy electrical road vehicle. 1,886,484; Nov. 8.

Kline, William H., Philadelphia, Pa., assignor to American Telephone and Telegraph Company. Eliminating interference in grounded telegraph systems. 1,865,571; July 5.

Klinefelter, Dalbys B., Milton, Pa. Clamp and holding device with hook. 1,881,677; Oct. 11.

Kling, Aloys W., Dayton, Ohio. Display device. 1,885,268; Nov. 1.

Kling Bros. Engineering Works. (See Schmidt, John E., assignor.)

Kling, Calvin E., Laclede, Mo. Corn husking hook. 1,863,488; June 14.

Kling, Ferdinand R., New York, N. Y. Apparatus for cleaning. 1,889,668; Nov. 29.

Kling, Fred E., Youngstown, Ohio. Making curved metal sections. 1,840,512; Jan. 12.

Kling, Fred E., Youngstown, Ohio. Rotary shears. 1,853,434; Apr. 12.

Kling, Fred E., Youngstown, Ohio. Shears. 1,883,956; Oct. 25.

Kling, Fred E., Youngstown, Ohio. Auxiliary drive for hot metal mixers. 1,892,309; Dec. 27.

Kling, Howard P., Westfield, assignor to Moore and Kling, Inc., Boston, Mass. Filling station apparatus. 1,862,311; June 7.

Klingaman, Herman, Louisville, Ohio. Aircraft. 1,858,563; Jan. 26.

Klingaman, Herman, Louisville, Ohio. Aircraft and automatic control therefor. 1,875,465; Sept. 6.

Klinghelt, Edward, Chicago, Ill. Incinerator. 1,880,142; Sept. 27.

Klinge, William, Cincinnati, Ohio. Toy. 1,862,150; June 7.

Klingel, Alfred J. (See Byrne, E. C., and Klingel.)

Klingenstierna, Axel Karlstad, Sweden. Tobacco-pipe. 1,889,073; Nov. 25.

Klinger, Karl, Gumpoldskirchen, Austria, assignor to N. V. Irma Industrie en Ruwmaterialen Maatschappij, Rotterdam, Holland. Stop cock with a packing sleeve surrounding the bore of the cock. 1,849,580; Mar. 15.

Klinger, Ralph, Riverside, Calif. Propeller. 1,890,120; Dec. 6.

Klingler, Le Roy R., and C. E. Coffee, St. Louis, Mo. Spring compressing tool. 1,861,445; June 7.

Klingsick, Oswald W., assignor to Day-Brite Reflector Company, St. Louis, Mo. Copyholder light. 1,886,027; Nov. 1.

Klinkenberg, Adolf, Wittbraucke, near Herdecke, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Steel having a high yield point and a good notch toughness. 1,889,482; Nov. 29.

Klinkenstein, Gustave, Newark, N. J. Hydrocarbon jell composition. 1,868,568; Mar. 8.

Klinkenstein, Gustave, assignor to Maas & Waldstein Co., Newark, N. J. Coating composition and making same. 1,852,501; Apr. 5.

Kliot, Hyman, Bronx, assignor to Cliot Closet Moth Proofer, Inc., New York, N. Y. Mothproofing cabinet. 1,855,919; Nov. 1.

Klippel, Herman. (See Jaenecke, E., and Klippel.)

Klipstein, Philip A., Bakersfield, Calif. Cord severing implement. 1,889,333; Nov. 29.

Klise, Marion, assignor to The Licht Draft Harrow Company, Marshalltown, Iowa. Drawbar. 1,848,955; Mar. 8.

Klist, Fred J., Syracuse, N. Y. Cover-all cap. 1,845,421; Feb. 16.

Klitsche & Co. (See Klitsche, Leo H., assignor.)

Klitsche, Leo H., assignor to Klitsche & Co., Los Angeles, Calif. Vacuum contact frame. 1,859,829; May 24.

Klock, Earl G., Scotia, N. Y., assignor to General Electric Company. Heating device. 1,847,951; Mar. 1.

Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearings. 1,867,412; July 12.

Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Apparatus for making bearings. 1,880,454; Oct. 4.

Klocksiem, Henry, Paton, Iowa. Harvester reel end guard device. 1,839,700; Jan. 5.

Klod, John A., Chicago, Ill. Cutting member and holder therefor. 1,869,218; July 26.

Klod, John A., Chicago, Ill. Cutting member and holder therefor. 1,869,219; July 26.

Klod, John A., Chicago, Ill. Meat cutter. 1,869,220; July 26.

Kloen, Max, Jamaica, N. Y. Hydrospeed vessel. 1,875,344; Sept. 6.

Kloepfer, Harry, assignor to Deutsche Gold- und Silber-Scheide Anstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Purification of gases. 1,855,355; Apr. 26.

Klohs, Frank A., assignor to The Ohio Brass Company, Mansfield, Ohio. Making trolley cars. 1,851,437; Mar. 29.

Klomparens, Roy, Providence, R. I. Furnace register. Des. 86,776; Apr. 19.

Klomparens, Roy, Providence, R. I. Furnace humidifier. 1,881,678; Oct. 11.

Klomparens, Roy, Providence, R. I. Adjustable boot. 1,881,679; Oct. 11.

Klönne, Aug., the Firm. (See Einbeck, Friedrich, assignor.)

Klönne, Aug., the Firm. (See Schurmann, Friedrich, assignor.)

Klopp, Friedrich, Wald, Rhineland, Germany. Device for hardening the surfaces of cylindrical bodies. 1,879,850; Sept. 27.

Klopp, Friedrich, Wald, Germany. Apparatus for hardening the flanks of spindle and worm threads. 1,887,098; Nov. 8.

Klopp, Henry G., Spokane, Wash. Window frame. 1,871,618; Aug. 16.

Klöpper, Julius, Mulheim-Ruhr, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Connecting pipes. 1,847,837; Mar. 1.

Klopstegg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Eccentric pump. 1,890,614; Dec. 13.

Klopstegg, Paul E., Chicago, Ill., assignor to Central Scientific Company. Density demonstration apparatus. 1,891,049; Dec. 13.

Kloss, Adam, Baltimore, Md. Shoe repairing machine. 1,842,551; Jan. 26.

Klösters, Heinrich. (See Mietzsch, F., and Klös.)

Klosky, Simon. (See Milligan, C. H., and Klosky.)

Klosson, Michael M., Kenmore, assignor to Buffalo Steam Pump Company, Buffalo, N. Y. Centrifugal pump impeller. 1,864,834; June 28.

Klosson, Michael M., Kenmore, assignor to Buffalo Steam Pump Company, North Tonawanda, N. Y. Double suction centrifugal pump. 1,881,680; Oct. 11.

Klosterman, Hugo G., Louisville, Ky. Register cover. 1,886,028; Nov. 1.

Klostermann, Curt W., assignor to Mechanical Vending Corporation, Chicago, Ill. Vending machine. 1,848,728; Mar. 8.

Klostermann, Curt W., assignor to Smoketeria Incorporated, Chicago, Ill. Vending device. 1,850,464; Mar. 22.

Klostermann, Curt W., assignor to Mechanical Vending Corporation, Chicago, Ill. Vending machine. 1,871,000; Aug. 9.

Klotz, Georges, Paris, France. Powder container. 1,855,399; Apr. 26.

Klug, Kurt. (See Hermanuz, A., and Klug.)

Klug, Kurt, Berlin-Charlottenburg, Germany, assignor to Locomotive Booster Company, New York, N. Y. Booster equipped locomotive. 1,869,155; July 26.

Klug, William L., Chicago, Ill. Washable electric coffee percolator. 1,847,565; Mar. 1.

Kluge, Abel, and E., assignors to Brandtjen and Kluge, St. Paul, Minn. Stock magazine. 1,877,892; Sept. 20.

Kluge Eneval. (See Kluge, Abel and E.)

Klugh, Bethune G., Chicago, Ill., assignor to American Ore Reclamation Company, New York, N. Y. Screening and moistening apparatus. 1,872,301; Aug. 16.

Klüglein, Theobald, New York, N. Y. Nail and tack puller. 1,891,164; Dec. 13.

Klumpp, Carl S., Brooklyn, N. Y., and R. R. Potter, Jersey City, N. J. Bearing surface. 1,879,754; Sept. 27.

Klumpp, Emil, Detroit, Mich. Toilet seat. 1,881,681; Oct. 11.

Klupmeyer, Edward E., and A. A. Maxwell, Joliet, Ill., assignors to The Ruberoid Co., New York, N. Y. Material handling apparatus. 1,871,707; Aug. 16.

Klute, Georg M., Ostre Aker, Norway, assignor to Aktiebolaget Siefvert-Fornander, Kalmar, Sweden. Applying labels or the like upon two or more sides of boxes, particularly match boxes. 1,873,967; Aug. 30.

Kmetko, Philip, Wilmerding, Pa. Violin. Des. 87,721; Sept. 6.

Knab, Max. (See Sprague, F. J., and Knab.)

Knabenshue, Della. Grafton, W. Va. Electric wire stretcher. 1,878,859; Sept. 20.

Knabner, Albert, and J. Richter, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Thermionic tube. 1,879,321; Sept. 27.

Knaggs, Joseph, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Metalic box. 1,876,303; Sept. 6.

Knape, Joseph J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Adjustable shelf bracket. 1,853,018; Apr. 5.

Knape, Joseph J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Shoe rack. 1,886,961; Nov. 8.

Knape & Vogt Manufacturing Company. (See Knape, Joseph J., assignor.)
Knape & Vogt Manufacturing Company. (See Vogt, Engelbert J., assignor.)
Knapp, Andrew S., assignor to Knapp-Monarch Company, Belleville, Ill. Electric cooking oven. Des. 88,156; Nov. 1.
Knapp, Andrew S., St. Louis, Mo., assignor to Knapp Monarch Company, Inc. Grapefruit juice extractor. 1,837,764; Nov. 15.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,844,168; Feb. 9.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,877,769; Sept. 20.
Knapp, Charles J., Detroit, Mich., assignor to Standard Oil Company, Whiting, Ind. Receptacle evacuating apparatus. 1,846,877; Feb. 23.
Knapp, Edelbert J., Norton, Kans. Lubricated rocker arm. 1,852,240; Dec. 27.
Knapp, Edgar, and C. G. Allgrunn, assignors to Niagara Sprayer Company, Middleport, N. Y. Dusting machine. 1,859,567; May 24.
Knapp, Edgar, and C. G. Allgrunn, assignors to Niagara Sprayer Company, Middleport, N. Y. Brush feed for dusting machines. 1,864,240; June 23.
Knapp, Edgar, and C. G. Allgrunn, assignors to Niagara Sprayer Company, Middleport, N. Y. Dust gun. 1,859,683; Aug. 2.
Knapp, George M. (See Wiggins, Arthur D. and F. T., and Knapp.)
Knapp, Holland J. (See Knapp, Rowland W. and H. J.)
Knapp, James H., Beverly Hills, assignor to James H. Knapp Company, Los Angeles, Calif. Drawing furnace. 1,858,682; Oct. 11.
Knapp, James H., Beverly Hills, assignor to James H. Knapp Co., Los Angeles, Calif. Car type furnace. 1,851,683; Oct. 11.
Knapp, James H., Company. (See Knapp, James H., assignor.)
Knapp, Leland G., assignor to Montgomery Ward & Company, Inc., Chicago, Ill. Automatic ignition control for explosive engines. 1,887,268; Nov. 8.
Knapp-Monarch Company. (See Klein, John F., assignor.)
Knapp Monarch Company. (See Knapp, Andrew S., assignor.)
Knapp Paul, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic composition. 1,884,757; Oct. 25.
Knapp, Roland W. and H. J., Wayzata, Minn. Combination tractor implement. 1,847,249; Mar. 1.
Knapp, Walter, assignor to De Walt Products Corporation, Lancaster, Pa. Safety device for cutting machines. 1,888,679; Nov. 22.
Knapp, Walter R., Pelham Manor, assignor to Semet-Solvay Company, New York, N. Y. Removal and recovery of phenols and pyridine from liquors. 1,878,927; Sept. 20.
Knapp, Woldemar H., Charlottenburg, Germany. Insulating device for high voltage lines. 1,880,259; Oct. 4.
Knauer, John H., assignor to R. G. Le Brosi, New York, N. Y. Glass tile. 1,857,105; Nov. 8.
Knauer, William A., Philadelphia, Pa. Air inflated bladder. 1,872,459; Aug. 16.
Knauf, Paul W., Cynwyd, assignor to Schutte & Koerting Company, Philadelphia, Pa. Quick opening steam valve actuated by a cylinder. 1,880,186; Sept. 27.
Knauff, George H. (See Frantz, V. L., and Knauff.)
Knaus, Nicholaus. (See Reich, A., and Knaus.)
Knauss, Frank B., Dillon, Kans. Dripless sirup pitcher. 1,886,405; Nov. 8.
Kneass, Strickland, jr., Sewickley, assignor to Costello Engineering Company, Pittsburgh, Pa. Material treating furnace. 1,844,094; Feb. 9.
Knecht, Alvin C., Dayton, Ohio. Iced drink accessory. 1,881,579; Mar. 1.
Knecht, Arthur E., assignor to The Perfection Steel Body Co., Galion, Ohio. Hydraulic hoist for dumping trucks. 1,891,312; Dec. 20.
Knecht, Oscar. (See Leemann, H., Lier, and Knecht.)
Knecht, Oscar, and T. Wirth, assignors to the Firm Chemical Works formerly Sandoz, Basel, Switzerland. Monoazo-dyestuff and their manufacture. 1,854,846; Apr. 19.
Knecht, Oskar, Binningen, near Basel, and E. Stocker, assignors to the Firm: Chemical Works formerly Sandoz, Basel, Switzerland. Increasing the luster of effect threads. 1,856,815; May 3.
Knee, Aaron A., assignor to The Lance Packing Company, Charlotte, N. C. Merchandise vending machine. 1,845,879; Feb. 16.
Knee, Aaron A., Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C. Fraud preventing means for coin controlled mechanism. 1,882,502; Oct. 11.
Knee, Aaron A., Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C. Automatic fraud preventive means for check controlled apparatus. 1,882,503; Oct. 11.
Knee, Aaron A., Charlotte, N. C., assignor, by mesne assignments, to Vanak Corporation, Charlotte, N. C. Check entrance for check control apparatus. 1,882,504; Oct. 11.
Knee, Aaron A., Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C. Check operated fraud preventive means. 1,882,505; Oct. 11.
Knee, Aaron A., Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C. Fraud preventive check entrance. 1,882,506; Oct. 11.
Kneedler, Orrin C., Lebanon, Mo. Concrete road center striping machine. 1,851,103; Mar. 29.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,856,871; May 3.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,857,813; May 10.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Automatic clamp. 1,861,745; June 7.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,874,544; Aug. 30.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Rack for gas drums. 1,879,937; Sept. 27.
Kneen, Everett H., Ansonia, Conn. Container for adhesive plaster and the like. 1,879,755; Sept. 27.
Kneer, Horace C., Germantown, Philadelphia, Pa., assignor to Ajax Electrothermic Corporation, Trenton, N. J. Process and apparatus for treating steel. 1,842,272; Jan. 19.
Kneeshaw, George R., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,890,615; Dec. 13.
Kneier, Joseph, assignor to The Vichek Tool Company, Cleveland, Ohio. Wrench set unit. 1,875,815; Sept. 6.
Kneil, John. (See Carr, J. E., and Kneil.)
Knepley, Harry F., Napoleon, Ohio. Neverslip horseshoe holder. 1,885,961; July 5.
Knepper, Charles E., assignor to Newspaper Boys of America, Incorporated, Indianapolis, Ind. Medal. Des. 87,841; Sept. 27.
Knepper, George D., Altoona, Pa. Pawl safety latch. 1,847,516; Mar. 1.
Knetzger, August, St. Louis, Mo. Clarinet. 1,845,880; Feb. 16.
Knickerbocker Case Company. (See Labadie, H. H., and Beers, assignors.)
Knickerbocker Silver Co. Inc. (See Sperling, Morris, assignor.)
Kniffin, Charles D., Middletown, N. Y. Sanitary garbage can liner. 1,886,494; Nov. 8.
Knight, Alfred W. (See Jakosky, J. J., and Knight.)
Knight, B. B. & R., Corporation. (See Picard, Stanislas, assignor.)
Knight, Charles H., North Carlton, Victoria, and P. Randall, Melbourne, Victoria, Australia. Theater chair attachment. 1,841,993; Jan. 19.
Knight, Charles K., Upper Darby, Pa. Windshield cleaner. 1,844,127; Feb. 9.
Knight, Charles K., Upper Darby, Pa. Windshield cleaner. 1,848,356; Mar. 8.
Knight, Charles Y., Pasadena, Calif., assignor, by mesne assignments, to Fletcher H. Breselton Corporation, Jersey City, N. J. Brake band construction. 1,842,102; Jan. 19.
Knight, Claude M., Cleveland, Ohio. Controller construction. 1,888,089; Nov. 15.
Knight, Donald B., Brooklyn, N. Y. Refrigeration. Re18,494; June 14.
Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,846,006; Feb. 16.
Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York. N. Y. Absorption type refrigerating apparatus. 1,869,853; Aug. 2.
Knight, George Brenton, Mass., assignor to B. W. Freeman, Cincinnati, Ohio. Perforating machine. 1,886,554; Nov. 8.
Knight, George D., Redwood City, assignor to Emory Winship, San Francisco, Calif. Intaglio ink composition. 1,858,449; May 17.
Knight, Herbert M., Montclair, N. J. Piling. 1,847,655; Mar. 1.
Knight, Herbert M., Upper Montclair, N. J. Sheet piling. 1,888,630; Nov. 22.
Knight, Howard, assignor to Livermore and Knight Company, Providence, R. I. Advertising device. 1,865,261; June 28.
Knight, Hugh, Glendora, Calif., assignor to Emulsoids, Inc., New York, N. Y. Insecticide. 1,875,466; Sept. 6.
Knight, Ira W. (See White, E. A., and Knight.)
Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Thermostatic switch. 1,852,312; Apr. 5.
Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Coupling unit. 1,862,686; June 14.
Knight, J. B. C., executor. (See Morse, C. W., and McKenzie.)
Knight, John M., Atlantic Highlands, N. J., assignor to American Car and Foundry Company, New York, N. Y. Car seat. 1,876,247; Sept. 6.
Knight, Leroy E., Northfield, Vt. Amalgamator. 1,877,670; Sept. 13.
Knight, Maurice Gibbons Eagle, Claremont Hobart, Tasmania, Australia. Automatic steering apparatus. 1,868,360; July 19.
Knight, Peter L., Wilmington, N. C. Article hanger. 1,887,159; Nov. 8.

Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heel blanks. 1,862,998; June 14.
Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of heels. 1,885,840; Nov. 1.
Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Block sawing machine. 1,888,272; Nov. 22.
Knight, Samuel F., Summit, N. J. Steam engine starting device. 1,877,893; Sept. 20.
Knight, Samuel B., Winston-Salem, N. C. Drapery hook. 1,843,611; Feb. 2.
Knight, William H., assignor to The Cleveland Gas Meter Company, Cleveland, Ohio. Adjustable tangent for gas meters. 1,847,717; Mar. 1.
Knight, William T., McGill, Nev. Oil and/or reagent feeder. 1,857,385; May 10.
Knight, William W., Cicero, Ill. Gun stock pad. 1,842,528; Jan. 26.
Knight, William W., Cicero, assignor to Roth Rubber Company, Chicago, Ill. Gun stock pad. 1,842,527; Jan. 26.
Knight, William W., assignor to Roth Rubber Company, Cicero, Ill. Recoil pad for gunstocks. 1,861,254; May 31.
Knightstown Funeral Car Company. (See Tipton, Guy S., assignor.)
Knipe, Arthur C., assignor to Modern Concrete Development Company Limited, London, England. Sealing of containers under negative or positive pressure. 1,880,583; Mar. 31.
Knipe, Thomas L. (See Engle, Russell, assignor.)
Knipe, Thomas L., Kokomo, Ind. Floral display stand. 1,889,660; Nov. 25.
Knipe, Thomas L., Kokomo, Ind. Floral display stand. 1,889,670; Nov. 29.
Knippel, Willis, Chicago, Ill. Electric iron. 1,843,134; Feb. 2.
Knippelmeir, William, Minco, Okla. Animal trap. 1,852,981; May 31.
Knipper, Frank P., et al. (See Knipper, George M., assignor.)
Knipper, Frederick G., et al. (See Knipper, George M., assignor.)
Knipper, George M., Rochester, N. Y., assignor of one-fifth to J. G. Knipper, one-fifth to F. P. Knipper, one-fifth to F. G. Knipper, one-fifth to J. F. Knipper. Target. 1,845,609; Feb. 16.
Knipper, Joseph F., et al. (See Knipper, George M., assignor.)
Knipper, Joseph G., et al. (See Knipper, George M., assignor.)
Knipple, Hank, Bozeman, Mont. Portable crushing, screening, and loading plant. 1,876,460; Sept. 6.
Knias, Frank C., and R. N. Vickers, Smackover, Ark. Deep well pump. 1,884,914; June 28.
Knistern, Walter H., Prince George County, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Valve. 1,879,322; Sept. 27.
Knittel, Carl A. (See Peek, R. L., and Knittel.)
Knittle, Robert H., Port Carbon, Pa. Support and display rack for roll material. 1,887,269; Nov. 8.
Knobel, Max, Arlington, Mass. Motor. 1,851,586; Mar. 29.
Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Electric device for musical instruments. 1,870,570; Aug. 9.
Knobloch, Carl, Akron, Ohio. Liquid level gauge. 1,857,644; May 10.
Knoche, Bernhard N., Baldwin, assignor to Belding-Hemingway Company, New York, N. Y. Spool for thread. 1,851,314; Mar. 29.
Knoche, Joseph, Kansas City, Mo. Front for display devices. Des. 87,751; Sept. 13.
Knoche, Rudolf. (See Hentrich, W., Hardtmann, Hilger, and Knoche.)
Knoche, Rudolf. (See Hentrich, W., Hardtmann, Knoche, and Stusser.)
Knoche, Rudolf. (See Hentrich, W., Hilger, and Knoche.)
Knoche, Rudolf. (See Hentrich, W., and Knoche.)
Knodel, Adolf. (See Gmelin, P., and Knodel.)
Knoderer, Homer G. (See Carlson, G., and Knoderer.)
Knoderer, Homer G. (See Carlson, G., and Knoderer.)
Knoderer, Homer G., Fairfield, Conn., assignor to General Electric Company. Insulated connecter for outlet boxes. 1,857,197; May 10.
Knoenschild, Grover F. Milwaukee, Wis. Container for preserving animal life. 1,843,563; Feb. 2.
Knoerzer, Arthur T. (See Knoerzer, Leonard and A. T.)
Knoerzer, Leonard and A. T., Hammond, Ind. Level winding mechanism for sewer cleaners. 1,875,467; Sept. 6.
Knoll Aktiengesellschaft, Chemische Fabriken. (See Schmidt, K. F., and Zutavern, assignors.)
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 1,848,180; Mar. 8.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous signaling system. 1,848,181; Mar. 8.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distributing device. 1,852,753; Apr. 5.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Peak voltage limiter. 1,869,484; Aug. 2.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric current distributing device. 1,873,429; Aug. 23.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 1,881,684; Oct. 11.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase shifting device. 1,881,685; Oct. 11.
Knopf, Gertrude, Rye, N. Y. Electrically heated mat. 1,873,601; Aug. 23.
Knopf, Janet M., New York, N. Y. Riding stick toy. Des. 87,118; June 7.
Knophius, Emil, Berlin, assignor to Gesellschaft für Rationelle Verbrennung m. b. H., Frankfort-on-the-Main, Germany. Fuel atomizer. 1,855,972; Apr. 26.
Knopp, Ernst. (See Boehme, H. O., Knopp, and Kunc.)
Knopp, Ernest. (See Kunc, ——, and Knopp.)
Knopp, Ernest, Bronx, and F. Kunc., New Rochelle, assignors to H. O. Boehme, Inc., New York, N. Y. Telegraphic recorder. 1,858,510; May 17.
Knorr, Angelo, Berlin, and A. Weissenborn, Potsdam, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of para-isopropyl-alpha-methyl hydrocinnamic aldehyde. 1,844,013; Feb. 9.
Knorr, Angelo, Berlin, and A. Weissenborn, Potsdam, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aldehydes of the cyclohexane series. 1,873,430; Aug. 23.
Knorr-Bremse Aktiengesellschaft. (See Peters, Hans, assignor.)
Knott, Eustace R., Sharon, Mass. Machine for popping corn. 1,868,578; July 26.
Knott, Eustace R., Sharon, Mass. Vending machine. 1,873,649; Aug. 23.
Knott, Harry H., assignor to American Pearl Button Company, Washington, Iowa. Button blank lathe. 1,843,326; Feb. 2.
Knott, John E. (See Aron, William P., assignor.)
Knowland, Thomas M. (See Glidden, A. A., and Knowland.)
Knowland, Thomas M. (See Glidden, A. A., Knowland, and Dow.)
Knowles, Albert, assignor to Transit Mixers, Inc., San Francisco, Calif. Apparatus for mixing concrete. 1,863,017; June 28.
Knowles, Albert B., Heswall, England. Electrolytic apparatus. 1,856,218; May 3.
Knowles, Albert E., Heswall, Cheshire, England. Electrolytic cell. 1,856,893; May 3.
Knowles, Albert E., Heswall, England. Electrolytic apparatus. 1,866,472; July 5.
Knowles, Alexander S., and C. W. Andrews, assignors to Tar & Petroleum Process Company, Chicago, Ill. Coking liquid hydrocarbons. 1,879,983; Sept. 27.
Knowles, Alexander S., and C. W. Andrews, assignors to Tar & Petroleum Process Company, Chicago, Ill. Treating liquid hydrocarbons. 1,885,920; Nov. 1.
Knowles, Bernard A., Azalia, Mich. Windshield heater. 1,891,095; Dec. 13.
Knowles, Dewey D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow discharge tube. 1,855,967; Apr. 26.
Knowles, Dewey D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow discharge device. 1,872,902; Aug. 16.
Knowles, Edwin M., China Company, The. (See McDonald, John B., assignor.)
Knowlton, Daniel E. (See Lance, Henry G., assignor.)
Knowlton, M. D., Company. (See Feeley, Frank G., assignor.)
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for chamfering edge of shoes. 1,854,263; Apr. 19.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and making same. 1,861,662; June 7.
Knowlton, Norwood H., Rockport, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breast-flap-trimming machine. 1,858,249; Nov. 29.
Knowlton, Theodore F., New York, N. Y. Method and apparatus for preventing offset in printing. 1,873,207; Aug. 23.
Knox, Benjamin E., assignor to Special Clothing Company, Chicago, Ill. Waterproof coat. 1,868,892; July 12.
Knox, Donald G. (See Gamack, W. A., and Knox.)
Knox, Harry A., Davenport, Iowa. Suspension for tracklaying vehicles. 1,862,934; June 14.
Knox, Harry A., Davenport, Iowa. Track for tracklaying vehicles. 1,863,858; June 21.
Knox, Harry A., Davenport, Iowa. Belt. 1,877,135; Sept. 13.
Knox, Harry A., and B. F. Baker, Davenport, Iowa. Suspension for track-laying vehicles. 1,861,866; June 7.
Knox, Herbert W., executor. (See Pelton, George M.)
Knox, John A., New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,864,136; June 21.

Knox, Joseph R., Reading, assignor of one-half to G. H. Gascoigne, Queensmere, Wokingham, Berkshire, England. Teat cup of milking machines. 1,839,765; Jan. 5.
Knox, Luther L., Bellevue, assignor to Knox Products Company, Pittsburgh, Pa. Making compound wall structures. 1,885,607; Nov. 1.
Knox Products Company. (See Knox, Luther L., assignor.)
Knox, R. Baylor. (See Kipper, Herman B., assignor.)
Knox, Samuel L. G., Englewood, N. J. Heat barrier. 1,840,688; Jan. 12.
Knox, Samuel L. G., Englewood, N. J. Elastic fluid engine. 1,845,288; Feb. 16.
Knox, Samuel L. G., Englewood, N. J. Combined throttle valve and relief valve. 1,850,209; Mar. 22.
Knox Stove Works. (See Miller, John B., assignor.)
Knox, William J., jr. (See Johnson, G. E., Bowman, and Knox.)
Knüpfler, Paul R. V., Berlin-Friedenau, Germany. Roller mill. 1,891,105; Dec. 13.
Knuth, Nick. (See Leidy, W. J., and Knuth, assignors.)
Knutsen, Elmer, Bellingham, Wash. Continuous laundry washer. 1,845,422; Feb. 16.
Knutson, Carl L. (See Kimbell, A. W., and Knutson.)
Knutson, Carl L., Maywood, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener secured conduit-holding member. 1,860,861; May 31.
Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Mirror supporting device. 1,863,060; June 14.
Knuutila, Charles, Newark, N. J. Conveying apparatus. 1,840,683; Jan. 5.
Kny-Scheerer Corporation. (See Hawley, George W., assignor.)
Kny-Scheerer Corporation. (See Heins, Harry J., assignor.)
Kny-Scheerer Corporation. (See Talas, Louis, assignor.)
Kobak, Feibus, assignor to The Metro Chocolate Co. Inc., Brooklyn, N. Y. Lollypop cluster or similar article. Des. 88,232; Nov. 8.
Kobayashi, Itojiro, Hollywood, Calif. Spray nozzle. 1,850,201; Apr. 19.
Kobbé, William H., New York, N. Y. Sulphur-containing oil composition and making the same. 1,844,400; Feb. 9.
Kobbé, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Fire-proofing substance. 1,853,818; Apr. 12.
Kobe, Inc. (See Coberly, Clarence J., assignor.)
Kobe, Inc. (See Coberly, C. J., and Cronsdale, assignors.)
Kobe, Kenneth A., Minneapolis, assignor to Bradley-Fitch Company, Duluth, Minn. Recovery of manganous compounds. 1,889,021; Nov. 29.
Kobel, Ernst. (See Aumund, A., and Kobel.)
Kobel, Ernst, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Rectifier. 1,858,373; May 17.
Kobel, Ernst, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric current rectifier control system. 1,873,968; Aug. 30.
Köberle, Karl. (See Kunz, M. A., and Köberle.)
Koca, James F. (See Hokanson, O. A., and Koca.)
Koca, James F. (See Sours, R. W., and Koca.)
Koch, Albert. (See Lecher, H., and Koch.)
Koch, Albert W., Odell, Nebr. Cigar display rack. 1,841,267; Jan. 12.
Koch Axle Electric Company. (See Koch, Louis A., jr., assignor.)
Koch, Axel T. (See Goransson, J. J., and Koch.)
Koch, Charles J., Kirkwood, Mo. Preparing hop flavored malt extract in powdered form. 1,852,418; Apr. 5.
Koch, Charles N., Kane, Pa. Combustion turbine and method of feeding and burning fuel. 1,864,741; June 28.
Koch, Charles N., Kane, Pa. Combustion turbine and method of burning fuel. 1,864,742; June 28.
Koch, Charles N., Kane, Pa. Method of and apparatus for fuel charging and igniting. 1,887,716; Nov. 15.
Koch, Charles N., Kane, Pa. Combustion turbine. 1,887,717; Nov. 15.
Koch, Charles N., Kane, Pa. Charge forming mechanism. 1,888,215; Dec. 13.
Koch, Edmund, Essen, Rheinland, Germany. Respirator. 1,843,032; Jan. 26.
Koch, Emery, Maracaibo, Venezuela. Aircraft. 1,879,323; Sept. 27.
Koch, Frank J., Newark, N. J. Sewage ejector. 1,843,686; Feb. 2.
Koch, Frederick H. (See Schroeder, H. D., and Koch.)
Koch, Friedrich. (See Bergius, F., Koch, and Faerber.)
Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc welding machine. 1,871,326; Aug. 9.
Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric welding. 1,877,767; Sept. 20.
Koch, Harold E., Wauwatosa, and Melville Lowe, Milwaukee, assignors to Hevi Duty Electric Company, Milwaukee, Wis. Heat treatment system. 1,884,748; Oct. 25.
Koch, Heinrich, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New acid dyestuffs of the anthraquinone series. 1,875,191; Aug. 30.
Koch, Henry C., Chicago, Ill. Apparatus for making prepared roofing. 1,847,767; Mar. 1.
Koch, Henry C., Chicago, Ill. Prepared roofing and making same. 1,868,751; July 26.
Koch, Herbert. Atco, N. J. Batch weighing and mixing machine. 1,849,984; Mar. 15.
Koch, John C. (See Randall, R. W., and Koch.)
Koch, Lawrence E., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety electric switch. 1,856,077; May 3.
Koch, Lawrence E., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical switch and control circuit therefor. 1,883,246; Oct. 18.
Koch, Lawrence E., and H. C. Roth, Elkhart, Ind., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Magnetically operated valve. 1,883,957; Oct. 25.
Koch, Leonhard, Oelsnitz in Vogtland, Germany. Weft pile carpet. 1,858,959; May 17.
Koch, Louis A., jr., Louisville, Ky. Electric sign. 1,854,654; Apr. 19.
Koch, Louis A., jr., Louisville, Ky. Electric sign. 1,854,655; Apr. 19.
Koch, Louis A., jr., Louisville, Ky. Electric sign. 1,857,916; May 10.
Koch, Louis A., jr., Louisville, Ky. Terminal connection. 1,877,671; Sept. 13.
Koch, Louis A., jr., assignor to Koch Auto Electric Company, Louisville, Ky. Reel. 1,854,653; Apr. 19.
Koch, Lydia B. (See Koch, L. B., and Buchina, assignors.)
Koch, Lydia B., and J. Buchina, New York, N. Y., assignors to said L. B. Koch. Paper container. 1,877,894; Sept. 20.
Koch, Lydia B., and J. Buchina, New York, N. Y., assignors to said L. B. Koch. Paper container. 1,887,688; Nov. 15.
Koch, Lynn J., Allentown, Pa. Propeller. 1,874,545; Aug. 30.
Koch, Robert R., Ramsey, assignor to Everlasting Memorial Association, Ridgewood, N. J. Monument mold. 1,871,413; Aug. 9.
Koch & Sterzel Aktiengesellschaft. (See Fischer, Franz J., assignor.)
Koch & Sterzel Aktiengesellschaft. (See Klemm, Hans, assignor.)
Koch & Sterzel Aktiengesellschaft. (See Welter, Eduard, assignor.)
Koch & Sterzel Aktiengesellschaft, the Firm. (See Fischer, Franz J., assignor.)
Koch, Theodor, sr., Buren, Switzerland, assignor to M. Louis Gray, New York, N. Y. Timepiece. 1,892,514; Dec. 27.
Koch, William J., Midland Park, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Controlling speed of and manipulating cloth. 1,886,342; Nov. 1.
Kochankoff, Theodore. Brooklyn, N. Y. Finger ring. Des. 87,159; June 14.
Kochendorfer, August F., et al. (See Hill, Edward E., assignor.)
Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Lubricating installation and apparatus. 1,862,204; June 7.
Kocher, Jacques J., Chicago, Ill. Sound deadening device. Re18,573; Aug. 23.
Kochs Company, Theo. A. (See Schwarzkopf, Arthur R., assignor.)
Kochs, Robert E. assignor to Theo. A. Kochs Company, Chicago, Ill. Reclining chair. 1,871,154; Aug. 9.
Kochs, Robert E., and A. R. Schwarzkopf, assignors to Theo. A. Kochs Company, Chicago, Ill. Chair. 1,887,647; Nov. 15.
Kochs, Theo. A., Company. (See Fischer, Charles W., assignor.)
Kochs, Theo. A. Company. (See Kochs, Robert E., assignor.)
Kochs, Theo. A., Company. (See Kochs, R. E., and Schwarzkopf, assignors.)
Kochs, Theo. A., Company. (See Schwarzkopf, Arthur R., assignor.)
Kock and te Kock. (See Liebender, Gottlieb, assignor.)
Kocour, Cyril, Chicago, Ill. Drawing compound and the like. 1,884,749; Oct. 25.
Kodama, Kenta, Fukuishi, Japan. Treatment of cylinders of internal combustion engines. 1,848,831; Mar. 8.
Kodani, Hango, Los Angeles, Calif. Vegetable and fruit display table. 1,849,191; Mar. 15.
Koebel, Charles J., Detroit, Mich., assignor to Koebel-Wagner Diamond Corp., Newark, N. J. Setting diamonds. 1,848,183; Mar. 8.
Koebel-Wagner Diamond Corp. (See Koebel, Charles J., assignor.)
Koeberle, Karl. (See Kunz, M. A., and Koeberle.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Berthold.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Zerweck.)
Koeberle, Karl. (See Kunz, M. A., Kraenzlein, Koeberle, Corell, Berthold, and Vollmann.)
Koeberle, Karl. (See Wolff, H., Kunz, and Koeberle.)

Koeble, Albert, Irvington, N. J., assignor to The United States Printing and Lithograph Company. Brooklyn, N. Y., Illuminated display. 1,886,607; Nov. 1.

Koechling, Charles D., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,866,109; Jan. 5.

Koegel, Charles and F. W., Holyoke, Mass. Grinder for web-slitting apparatus. 1,852,313; Apr. 5.

Koegel, Frederick W. (See Koegel, Charles and F. W.)

Koehler Bros. (See Koehler, Charles J., assignor.)

Koehler, Charles H. (See Freud, J., and Koehler.)

Koehler, Charles J., assignor to Koehler Bros., Saginaw, Mich. Drop backstop. 1,844,581; Feb. 9.

Koehler, Elmer E. (See Walter, E., and Koehler.)

Koehler, Frank G., St. Louis, Mo. Truck coupling. 1,848,936; Mar. 8.

Koehler, Frank G., St. Louis, Mo. Truck. 1,870,633; Aug. 9.

Koehler, Frederich, Chicago, Ill. Jack for raising truck frames. 1,881,199; Oct. 4.

Koehler, Frederick W. (See Luchs, F. M., and Koehler.)

Koehler, Frederick W., Wilkinsburg, Pa. Oxygen therapy apparatus. 1,858,400; May 17.

Koehler, George, jr., and W. P. Hill, Cincinnati, Ohio, assignors to Kelley Manufacturing Company, Inc., Rochester, N. Y. Air pressure regulator. 1,857,917; May 10.

Koehler Manufacturing Company. (See Wheat, Grant, assignor.)

Koehler, Max. (See Hartfield, A. J., and Koehler.)

Koehly, Harry J., assignor to Delco Products Corporation, Dayton, Ohio. Cushioning device. 1,854,410; Apr. 19.

Koehly, Paul, and G. I. Delaplane, assignors to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,881,686; Oct. 11.

Koehn, Wilhelm, Gelsenkirchen, Germany. Cooling centrifugally cast hollow metal blooms. 1,889,671; Nov. 29.

Koehring Company. (See Brey, Harold E., assignor.)

Koehring Company. (See Johnson, Algot F., assignor.)

Koehring Company. (See Holcomb, Alpheus E., assignor.)

Koehring Company. (See Johnson, Algot F., assignor.)

Koehring Company. (See Lichtenberg, Erich H., assignor.)

Koehring Company. (See Osman, Ralph T., assignor.)

Koehring Company. (See Pilkington, Claude, assignor.)

Koehring Company. (See Plispanen, Vaino, assignor.)

Koehring Company. (See Russell, Leslie A., assignor.)

Koehring Company. (See Sharples, Charles, assignor.)

Koehring, Roland P., assignor to Moraine Products Company, Dayton, Ohio. Bonding cooling fins to cylinders. 1,840,224; Jan. 5.

Koehrman, Mathias G., assignor to Roberts Printing Company, Toledo, Ohio. Advertising folder. 1,891,353; Dec. 20.

Koelbeck, Carl W. A. (See Diescher, S. E., and Koelkebeck.)

Koelkebeck, Michael B. (See Fleck, Albert H., assignor.)

Koelnof Brothers. (See Berman, Paul, assignor.)

Koen, Lew, Wilkes-Barre, Pa. Universal rail splice and tie plate. 1,844,920; Feb. 9.

Koenemann, Ernst, Munich, near Berlin, Germany. Method of and plant for heating apparatus, especially such forming parts of chemical plants. 1,845,289; Feb. 16.

Koenig, Albert, Newark, N. J. Automatic alarm. 1,867,668; July 19.

Koenig, Henry, Fairfax, S. Dak. Tractor guide. 1,843,327; Feb. 2.

Koenig, Paul, Maplewood, N. J., assignor to E. G. Bek, Florham, Germany. Machine for making chains. 1,878,860; Sept. 20.

Koenig, Robert H., Haddon Heights, N. J. Forming glass tubes for eye-droppers. 1,888,635; Nov. 22.

Koenig, Walter, jr., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Multiple slide wire potentiometer. 1,858,364; May 17.

Koenig, Willy, assignor to Landis & Gyr, A.-G. Zug, Switzerland. Resonant mechanism. 1,869,565; Aug. 2.

Koenig, Werner, assignor to Landis & Gyr A. G., Zug, Switzerland. Frequency controlled mechanism. 1,882,428; Oct. 11.

Koeniger, Walther, Berlin-Wilmersdorf, Germany. Ice shaking plant. 1,885,958; Oct. 25.

Koenigs, Ernst, and H. Greiner, Breslau, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Pyridine derivatives and producing them. 1879,324; Sept. 27.

Koenigshofer, Victor, Union City, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Collapsible tube capping machine. 1,871,709; Aug. 16.

Koeppe, Leonhard, Halle-on-the-Saale, Germany. Projection screen. 1,893,058; Nov. 1.

Koeppen, John F., Marion, Ind. Bottle. Des. 88,233; Nov. 8.

Koeppen, John F., jr., assignor of seven-sixteenths to J. P. Koeppen and one-eighth to Mary E. Koeppen, Marion, Ind. Measuring device. 1,875,019; Aug. 30.

Koeppen, John P., et al. (See Koeppen, John F., jr., assignor.)

Koeppen, Mary E., et al. (See Koeppen, John F., jr., assignor.)

Koepping, Emil D. (See Cramer, S. S., and Koepping.)

Koepping, Emil D., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Quickly attachable and detachable rotor brake and contact wiper. 1,853,213; Apr. 12.

Koepping, Emil D., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Shielded radio frequency transformer and condenser unit. 1,878,636; Sept. 20.

Koepsell, August J., Mayville, Wis. Shaking grate for furnaces. 1,861,015; May 31.

Koerber, John C., South Orange, N. J. Toy railway. 1,868,864; May 31.

Koerber, John C., South Orange, N. J. Toy vehicle. 1,869,199; July 26.

Koerner, Charles A. (See Alsaker, A., Hampton, and Koerner.)

Koerner, George H., San Francisco, Calif. Fountain penholder and ink filler. 1,866,773; July 12.

Koester, Henry A., Conroy, Iowa. Tool. 1,877,768; Sept. 20.

Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Paper stretch tester. 1,885,209; Nov. 1.

Koestlin, Herman F., Detroit, Mich. Grinding machine. 1,862,379; June 7.

Koether, Emil A., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Apparatus for closing and clamping split rings about a mandrel. 1,852,529; Apr. 5.

Koets, Cornelius, assignor to Hammond Machinery Builders, Kalamazoo, Mich. Clamp for saw machines and the like. 1,841,822; Jan. 19.

Kofler, Georg, Berlin, Germany. Automatic safety appliance for railway vehicles against overrunning of signals. 1,885,061; Oct. 25.

Kogan, Jacob J. (See Subkow, P., and Kogan.)

Kogan, Jacob J., assignor to Union Oil Company, of California, Los Angeles, Calif. Automatic pressure retainer for gas lift wells. 1,856,872; May 3.

Kögel, Gustav, Karlsruhe, Germany. Photographic printing process. 1,848,822; Feb. 2.

Kogstrom, Axel W., assignor to Leighton Dunning, Detroit, Mich. Shock absorber. 1,845,290; Feb. 16.

Kohl, George. (See Ahl, J. F., and Kohl.)

Kohl, Paul W., Rock, Wis. Chicken feeder. 1,865,921; July 5.

Köhler, Joesf, Herne in Westphalia, Germany. Pneumatically actuated percussive tool. 1,854,656; Apr. 19.

Kohler, August F. H., and A. C. Kautz, Lockport, N. Y.; said Kautz assignor to said Kohler. Adapter for valves. 1,880,177; Sept. 27.

Kohler Company. (See Brotz, Anton F., assignor.)

Kohler Company. (See Frank G., assignor.)

Kohler Company. (See Hvostef, Fredrik W., assignor.)

Kohler Company. (See Kohler, H. V., and Brotz, assignors.)

Kohler, Franklin W., Chicago, Ill. Chair construction. 1,877,895; Sept. 20.

Kohler, G. A. Edward. (See Kohler, John B., assignor.)

Köhler, Gustav, Mulheim-Ruhr, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Blades for turbine rotors. 1,890,581; Dec. 13.

Kohler, Gustavus A. E. (See Kohler, James E., assignor.)

Kohler, Herbert V., Sheboygan, and F. G. Brotz, Kohler, assignors to Kohler Company, Kohler, Wis. Flushing tank. Des. 87,527; Aug. 9.

Kohler, Herbert V., Sheboygan, and F. G. Brotz, Kohler, Wis. Pedestal lavatory. Des. 88,713; Dec. 20.

Kohler, John B., assignor to G. A. E. Kohler, Chicago, Ill. Paper delivering device. 1,856,341; May 3.

Kohler, John H., Pittsburgh, Pa., assignor, by mesne assignments, to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,868,478; July 19.

Kohler, John H., and A. Schneider, Pittsburgh, Pa. Flue cleaner. 1,887,765; Nov. 15.

Kohler-Liebich Company, The. (See Liebich, Otto H., assignor.)

Kohler, Mary E. (See Rust, James E., assignor.)

Kohler, Max N., New Orleans, La. Lapel protector. 1,870,737; Aug. 9.

Kohler, Robert W., Tekamah, Nebr. Planter and disker. 1,861,376; June 28.

Kohler, Ulrich, assignor to Hasler A.-G. vormals Telegraphenwerkstatte von G. Hasler, Bern, Switzerland. Die printing machine. 1,857,918; May 10.

Kohler, Ulrich, assignor to Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler, Bern, Switzerland. Escapement wheel for anchor escapements. 1,867,947; July 19.

Köhler, Wilhelm, Dortmund, assignor to the Firm Vereinigte Stahlwerke A.-G. Aktiengesellschaft, Dusseldorf, Germany. Rolling mill roll. 1,851,848; Mar. 29.

Kohler, William, assignor to Norge Corporation, Detroit, Mich. Water cooler or similar article. Des. 87,528; Aug. 9.

Kohlhaas Company, The. (See Thometz, Mathias A., assignor.)

Kohlhepp, John V., Jersey City, N. J. Automobile radiator cap ornament. Des. 88,096; Oct. 25.

Kohlmeyer, Ernst J., Berlin, Germany. Dezincing of ores or smelter products. 1,842,226; Jan. 19.

Kohlmeyer, Justus, Berlin-Charlottenburg, Germany, assignor to American Lurgi Corporation, New York, N. Y. Metallurgical heat treating. 1,844,428; Feb. 9.

Kohlmeyer, Justus, Berlin-Charlottenburg, Germany, assignor to American Lurgi Corporation, New York, N. Y. Separating metal mixtures into their different components. 1,846,738; Feb. 23.
Kohlsaat, First, Philadelphia, Pa. Permanent window screen. 1,859,209; May 17.
Kohm, Christian, Providence, assignor to E. F. M. Speidel, Cranston, R. I. Method and apparatus for chain making. 1,886,194; Nov. 1.
Kohn, Joseph, St. Louis, Mo. Dress. Des. 87,927; Oct. 11.
Kohn, Joseph, St. Louis, Mo. Dress. Des. 88,097; Oct. 25.
Kohn, Julius, and H. E. White, Youngstown, assignors to Truscon Steel Company, Youngstown, Ohio. Lath structure. 1,846,874; Feb. 23.
Kohn, Kamill, Bokau, and T. Grzschka, Aussig, Czechoslovakia. Production of bactericide surfaces. 1,804,073; June 21.
Kohn, Koby, assignor to Chatham Specialty Corporation, New York, N. Y. Pyrotechnic device. 1,886,407; Nov. 8.
Kohn, Samuel, Chicago, Ill. Small boat propelling mechanism. 1,845,823; Feb. 16.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Marking machine. 1,879,875; Sept. 27.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Marking machine. 1,889,250; Nov. 29.
Kohnstamm, H., & Co. (See Phair, Robert A., assignor.)
Kohout, George A., Chicago, Ill. Damper regulator. 1,875,616; Sept. 6.
Kohr, Elton D., York, Pa. Pump. 1,887,311; Nov. 8.
Kohr, Herbert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,842,676; Jan. 26.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,853,905; Apr. 12.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,853,906; Apr. 12.
Kohr, Robert F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,872,974; Aug. 23.
Kohr, Robert F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,468; Sept. 6.
Kohut, Alexander W., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 87,921; Nov. 29.
Kohut, Alexander W., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,911; Nov. 29.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,912; Nov. 29.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,913; Nov. 29.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,914; Nov. 29.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,915; Dec. 6.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,916; Dec. 6.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,655; Dec. 13.
Kohut, Alexander, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,656; Dec. 13.
Koldi, Thomas, Wels, Austria. Closing the ends of the channels of molded hollow channel bricks and building blocks. 1,860,584; May 31.
Koken Companies. (See Carter, Lionel A., assignor.)
Koken Companies. (See Koken, W. F., and Carter, assignors.)
Koken, Walter F., Webster Groves, Mo. Barber chair. 1,843,564; Feb. 2.
Koken, Walter F., and L. A. Carter, Webster Groves, assignors to Koken Companies, St. Louis, Mo. Barber's chair. 1,852,811; Apr. 5.
Kolacki, Theodore. (See Jendrejczak, V., and Kolacki.)
Kolar, John J., West Bend, Wis. Chuck. 1,859,042; May 17.
Kolb, Louis J. (See Worrall, Arthur G., assignor.)
Kolb, Merle A. (See Olson, L. W., and Kolb.)
Kolbassieff, Alexandre, Paris, France. Device for producing intermittent rotary motion. 1,847,768; Mar. 1.
Kolber, Aaron, Brooklyn, assignor to New Diamond Point Pen Co., Inc., New York, N. Y. Fountain pen. Des. 87,067; Apr. 31.
Kolbert, Edward. (See Shapiro, David H., assignor.)
Kolc, Lessing L., Milwaukee, Wis. Lipstick holder. 1,883,959; Oct. 25.
Kolisch, Paul. (See Phinney, Edward D., assignor.)
Kolko Aron, Colombes, France. Rotary motor. 1,874,308; Aug. 30.
Koll, Harry M., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier. 1,862,540; June 14.
Kollhohm, Ludwig, Hagen, assignor of one-half to Deutsche Babcock- Und Wilcox-Dampfkessel-Werke A. G., Oberhausen/Rhineland, Germany. Impact mill. 1,847,009; Feb. 23.
Kollek, Leo. (See Straus, F., and Kollek.)
Koller, Andrew. (See Nicholas, M., Koller, Ledel, and Hussey.)
Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Temperature controlling and measuring apparatus. 1,860,187; May 24.
Koller, Robert, Baden, Switzerland. Self-acting display system. 1,863,797; June 21.
Kölliker, Robert, Kollbrunn, Switzerland. Mixing machine for the production of alimentary pastes. 1,850,723; Mar. 22.
Kölling, Johann, Duisburg, Germany, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam generator. 1,859,074; Nov. 29.
Kollman, Bartley H., Indianapolis, Ind. Sign. Des. 88,558; Dec. 6.
Kollmar, Robert, Irvington, N. J. Shock absorbing device. 1,848,892; Mar. 8.
Kolisman, Paul, Woodhaven, N. Y. Turn indicator. 1,841,006; Jan. 19.
Kolisman, Paul, Woodhaven, N. Y. Turn indicator. 1,841,607; Jan. 19.
Kolisman, Paul, Woodhaven, N. Y. Indicator. 1,857,311; May 10.
Kolstede, George, Providence, R. I. Atomizer. 1,859,978; May 24.
Kölm, Ulrich, Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Selector for group control systems. 1,878,928; Sept. 20.
Kolodny, Charles, Brookline, Mass. Combination bath chair and cabinet. Des. 88,209; Nov. 1.
Kolor-Kraft Tile & Machine Company. (See Sexton, August H., assignor.)
Kolstad, Gilbert S., Spring Valley, Minn. Roost. 1,870,125; Aug. 2.
Kolster, Frederick A., San Jose, assignor to Federal Telegraph Company, San Francisco, Calif. Radio receiving system. 1,843,565; Feb. 2.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Electromagnetic sound reproducer system. 1,868,607; July 26.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Navigation system and method. 1,870,775; Aug. 23.
Kolster, Frederick A., and S. A. Sollie, Palo Alto, assignors to Federal Telegraph Company, San Francisco, Calif. Loud-speaker. 1,864,308; June 21.
Kolster Radio, Inc. (See Strang, Jan, assignor.)
Kolster Radio, Inc. (See Tillotson, J., jr., and Streng, assignors.)
Kolts, John H., Crafton, assignor to Pittsburg Water Heater Company, Pittsburgh, Pa. Thermostatic valve. 1,839,229; Jan. 5.
Komarek, Gustav, assignor to Berwind Fuel Company of Delaware, Chicago, Ill. Briquette and making the same. 1,860,465; May 31.
Komarek, Gustav, assignor to Berwind Fuel Company, of Delaware, Chicago, Ill. Briquet and making same. 1,860,743; May 31.
Komenak, Albert J., assignor to The Excelsior Hardware Co., Hamford, Conn. Trunk lock. 1,841,217; Dec. 13.
Komfala, Steve, Denver, Colo. Steering mechanism for automobiles. 1,869,695; Aug. 2.
Kommer, Fred A., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,842,475; Jan. 26.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Company, Chicago, Ill. Placard display device. 1,857,552; May 10.
Konantz, William A., assignor to Moorman Mfg. Co., Quincy, Ill. Vermifuge medicine and producing same. 1,839,970; Jan. 5.
Konat, Stanley, Detroit, Mich. Combination lock. 1,857,198; May 10.
Konat, Stanley, Detroit, Mich. Combination lock. 1,857,199; May 10.
Konchar, Frank, Forest City, Pa. Elevating attachment for mining machines. 1,844,819; Feb. 9.
Kondolf, Mathias B., Lower Merion Township, Montgomery County, assignor to T. D. Richardson Company, Philadelphia, Pa. Shipping container. 1,847,694; Mar. 1.
Könecke, Friedrich, Hanover, Germany. Overshoe. 1,877,182; Sept. 13.
Könemann, Heinrich, Munster, Germany. Apparatus for recording electric alternating current by means of a voltaic arc. 1,863,660; June 21.
Konen, Harry A. (See Baker, W. J., and Konen.)
Konetsky, John R., San Francisco, Calif. Mounting vehicle frames. 1,857,557; May 10.
Konheim, Harvey S. (See Albersheim, W. J., and Konheim.)
König, Max, Bomlitz, near Walsrode, Germany. Manufacturing films and the like from cellulose solutions. 1,861,701; June 7.
König, Wenzel, Leipzig, Germany. Shower rose. 1,861,156; Dec. 6.
Konigsberg, Joseph H., assignor to Standard Rolling Mills, Inc., Brooklyn, N. Y. Brittannia metal or pewter alloy. 1,869,378; Aug. 2.
Könige berger, Erich, Breslau, Germany. Headrest for telephones. 1,866,043; July 5.
Konigsmark, Victor L., et al. (See Ross, Charles G., assignor.)
Konikow, Israel G., assignor to Mary Bacher, Detroit, Mich. Beverage dispensing apparatus. 1,859,566; May 24.
Konno, Kane Y., Chicago, Ill. Calculating device. 1,863,927; June 21.

Konoff, Alexander, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Eye set. Re18,585; Aug. 30.

Konoff, Alexander, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Doll eyes with lashes. 1,848,612; Feb. 2.

Konoff, Alexander, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Doll's eyes with lashes. 1,846,060; Feb. 23.

Konoff, Alexander, Brooklyn, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Tool for attaching eye sets. 1,849,352; Mar. 15.

Konoff, Alexander, Brooklyn, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Doll's eyes. 1,870,272; Aug. 9.

Konoff, Alexander, Brooklyn, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Doll head and movable eye system therefor. 1,874,762; Aug. 30.

Konrad, Erich, and W. Siefken, Cologne-Mulheim-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Coagulation of latex like emulsions to rubber like masses. 1,874,546; Aug. 30.

Kons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Multiple rudder steering mechanism. 1,855,240; Nov. 1.

Kontol Company, The. (See Heckel, H., and Reddish, assignors.)

Kontol Company, The. (See Peirce, J. O., and Myers, assignors.)

Kontol Company, The. (See Peirce, J. O., and Reddish, assignors.)

Kontos, Emanuel G., Chicago, Ill. Wing. 1,870,514; Aug. 9.

Konzelman, Matthew, Peru, Ill. Automobile bed. 1,849,025; Feb. 16.

Koob, Bernard H. (See Headley, B. T., Du Bois, Koob, and Lobb.)

Koolstra, John A. (See Aldrich, W. Q., and Koolstra.)

Kookogey, Frederick F., New York, N. Y. Wing for aeroplanes. 1,856,643; May 3.

Koons, George H., Chicago, Ill. Ventilator. 1,881,363; Oct. 4.

Koons, Morris B., assignor of one-half to E. Stainbrook, Youngstown, Ohio. Spark plug tester. 1,866,113; July 5.

Koontz, Adam C. (See Vermillion, P. B., and Koontz.)

Koontz, David, Salisbury, assignor of one-half to J. D. Dorsett, Spencer, N. C. Automatic means for regulating fluid pressure systems. 1,876,964; Sept. 13.

Koontz, George E., Salem, Va. Paste dispensing cabinet. 1,845,291; Feb. 16.

Koopman, Wilhelmus. (See van Arkel, A. S., de Boer, and Koopman, assignors.)

Koopmans Industries, C., Chicago, Ill. Side bearing. 1,885,358; Nov. 1.

Koopmeiners, Alois. (See Thelen, N. J., and H. and A. Koopmeiners.)

Koopmeiners, Henry. (See Thelen, N. J., and H. and A. Koopmeiners.)

Kootz, Arthur C., Milwaukee, Wis. Mop. 1,866,114; July 5.

Kootz, Arthur C., Milwaukee, Wis. Mop. 1,866,505; July 5.

Kootz, Arthur C., assignor to The Gem Hammock & Fly Net Company, Milwaukee, Wis. Mop. 1,879,325; Sept. 27.

Koopsen, Jake D., Thornton, Ill. Tractor. 1,867,669; July 19.

Kopeliowitsch, Jakob, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Switch. 1,873,969; Aug. 30.

Koper, Michael. (See Chodur, John, assignor.)

Kopf, Emil A., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine cabinet. 1,843,085; Jan. 26.

Koplan, Paul H. (See Freeman, B. W. and L. G., and Koplan.)

Koplin, Peter F., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for fluid actuated hammers. 1,859,876; May 24.

Kopp Glass, Incorporated. (See Kopp, Nicholas, assignor.)

Kopp, Harold M., Watertown, Conn. Producing carbureted water gas. 1,876,965; Sept. 13.

Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Display stand. 1,846,878; Feb. 23.

Kopp, Reinhold A., et al. (See Peter, Joseph, assignor.)

Kopp, Reinhold A., assignor to The W. M. Welch Mfg. Co., Chicago, Ill. Scale beam. 1,872,465; Aug. 16.

Kopp, Rudolph J., Sandusky, Ohio. Tie rack. 1,878,444; Sept. 20.

Koppe, Alexander T., Chicago, Ill. Photo-composing machine. 1,855,356; Apr. 26.

Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Vacuum pressure frame. 1,839,230; Jan. 5.

Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Precision copying camera. 1,846,972; Feb. 23.

Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Precision camera. 1,847,010; Feb. 23.

Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Photocomposing machine. 1,865,262; June 28.

Koppe, Paul. (See Herold, F., and Koppe.)

Koppel, Arthur F., Berlin-Tempelhof, and M. Albrecht, Neuenhagen, near Berlin, Germany; said Albrecht, assignor to said Koppel. Stop valve for liquid or gaseous substances. 1,865,960; Oct. 25.

Koppel Industrial Car and Equipment Company. (See Anderson, John P., assignor.)

Koppel Industrial Car and Equipment Company. (See Graser, George W., assignor.)

Koppelman, Harold I., assignor to U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorant container. 1,880,962; Oct. 4.

Koppelman, Harold I., and B. W. Seidel, assignors to U. S. Sanitary Specialties Corporation, Chicago, Ill. Dispensing valve. 1,884,700; Oct. 25.

Koppelman, Morris, Brooklyn, N. Y., assignor to Holed-Tite Packing Corporation. Carrier for fragile articles. 1,843,061; Feb. 23.

Koppen Company, The. (See Sperr, Frederick W., jr., assignor.)

Koppers, August, Bochum, Germany. Recording mechanism for coke-oven pushers and the like. 1,888,205; Nov. 15.

Koppers Company, The. (See Albright, Alan R., assignor.)

Koppers Company, The. (See Becker, Joseph, assignor.)

Koppers Company, The. (See Blackwood, O. H., and Elue, assignors.)

Koppers Company, The. (See Bönnemann, Franz, assignor.)

Koppers Company, The. (See Daniels, Joseph, assignor.)

Koppers Company, The. (See Denig, Fred, assignor.)

Koppers Company, The. (See Garrison, Clarence W., assignor.)

Koppers Company, The. (See Gollmar, Herbert A., assignor.)

Koppers Company, The. (See Greg, Victor V., assignor.)

Koppers Company, The. (See Hansen, Christian J., assignor.)

Koppers Company, The. (See Jacobson, David L., assignor.)

Koppers Company, The. (See Lovett, James A. B., assignor.)

Koppers Company, The. (See Myers, Albert J., assignor.)

Koppers Company, The. (See Fuening, Franz, assignor.)

Koppers Company, The. (See Ramsburg, Charles J., assignor.)

Koppers Company, The. (See Rose, Harold J., assignor.)

Koppers Company, The. (See Rose, H. J., and Hill, assignors.)

Koppers Company, The. (See Schwab, J. W., and Butterworth, assignors.)

Koppers Company, The. (See Shoeld, Mark, assignor.)

Koppers Company, The. (See Sperr, Frederick W., jr., assignor.)

Koppers Company, The. (See Totzek, Friedrich, assignor.)

Koppers Company of Delaware, The. (See Becker, Joseph, assignor.)

Koppers Company of Delaware, The. (See Byrne, John F., assignor.)

Koppers Company of Delaware, The. (See Fulton, Robert K., assignor.)

Koppers Company of Delaware, The. (See Greg, Victor V., assignor.)

Koppers Company of Delaware, The. (See Hansen, Christian J., assignor.)

Koppers Company of Delaware, The. (See Harlow, Earl V., assignor.)

Koppers Company of Delaware, The. (See Hill, William H., assignor.)

Koppers Company of Delaware, The. (See Jones, Irvin H., assignor.)

Koppers Company of Delaware, The. (See Ramsburg, Charles J., assignor.)

Koppers Company of Delaware, The. (See Rose, H. J., and Hill, assignors.)

Koppers Company of Delaware, The. (See Shoeld, Mark, assignor.)

Koppers Company of Delaware, The. (See Sperr, Frederick W., jr., assignor.)

Koppers Company of Delaware, The. (See Tiddy, William, assignor.)

Koppers Company of Delaware, The. (See Totzek, Friedrich, assignor.)

Koppers Company of Delaware, The. (See Underwood, C. E., and Lehr, assignors.)

Koppers Company of Delaware. (See Van Ackeren, Joseph, assignor.)

Koppl, Ernest, et al. (See Koppl, Ernest, assignor.)

Koppl, Ernest, Long Beach, assignor of one-half to K. A. Wright, Los Angeles, and one-half to E. Koppl, Long Beach, Calif. Valve. 1,859,590; May 24.

Kopple, Harry N. (See Brown, William H., assignor.)

Kops Bros. Inc. (See Duff, Ewen C., assignor.)

Kops Bros. Inc. (See Kops, Waldemar, assignor.)

Kops, Waldemar, assignor to Kops Brothers, Inc., New York, N. Y. Box or similar container. Des. 88,157; Nov. 1.

Kops, Waldemar, assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,848,633; Mar. 8.

Kopsky, Joseph G., Union City, N. J. Hub for crank hangers and wheels of bicycles. 1,856,950; May 3.

Kopycuski, Aleksander, Krakau, Poland. Wheeled plow. 1,847,517; Mar. 1.

Koret, Jean U., et al. (See Krutt, Israel, assignor.)

Koret, Inc. (See Koret, Richard, assignor.)

Koret, Richard, assignor to Koret, Inc., New York, N. Y. Hand bag frame or analogous article. Des. 86,777; Apr. 19.

Korezkiy, H., Jersey City, N. J., M. Horowitz, Brooklyn, N. Y., and A. J. Simone, Lyndhurst, N. J., assignors to Bright Star Battery Company, Hoboken, N. J. Flash light. 1,891,024; Dec. 13.

Korf, Frederick. (See Jandorf, B. F., Korf, and Zentler.)

Korn, Friedrich. (See Eyer, C., and Korn.)

Korn, Friedrich. (See Eyer, C., Frowein, and Korn.)

Korn, Harry, Brooklyn, N. Y., assignor to Artcraft Iron Works, Inc., Beverage set. 1,858,299; May 17.

Körner, Hubert, Habana, Cuba. Aeroplane. 1,854,043; Apr. 12.

Korney, Roman, Chicago, Ill., assignor of one-half to The Rome Company, Inc. Roll edge for mattresses or cushions. 1,865,018; June 28.

Korsawseei, Samuel A., Venice, Calif. Fishing apparatus. 1,876,692; Sept. 13.

Koronski, Andre, now by judicial change of name Andrew King, Narberth, Pa. Liquid level indicator. 1,880,171; Sept. 27.

Korsen, Lawrence S., Chicago, Ill. Spotlight and the like. 1,849,911; Jan. 5.

Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Mechanical movement. 1,845,844; Feb. 16.

Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die casting machines. 1,872,085; Aug. 16.

Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die casting machine. 1,877,896; Sept. 20.

Korte, Helmut, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bleaching bast fibers, especially bast fibers of linen, hemp, and the like. 1,863,846; Oct. 18.

Korten, Ernst, Frankfort-on-the-Main-Fechenheim, Germany. Producing amino derivatives of hexahydrodiphenyl. 1,851,991; Mar. 29.

Korten, Ernst, Fechenheim, near Frankfort-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacturing ar-tetrahydronaphthols and their esters. 1,858,627; May 17.

Kosanovich, Burke B., assignor of one-fourth to R. A. Erdmann, Milwaukee, Wis. Automatic air or steam coupling for railway cars. 1,885,523; Nov. 1.

Kosteld, Wilhelm, Dortmund, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Machine for automatically shaping stones and the like. 1,849,626; Mar. 15.

Koshind, Herbert I., Buffalo, N. Y. Display stand for jewelry. Des. 86,573; Mar. 22.

Kosian, Arthur, Cbicago, Ill. Universally mounted spotlight. 1,859,273; Nov. 22.

Kositzky, Albert L., Escanaba, Mich. Automatically releasing hoisting device. 1,862,312; June 7.

Kosken, Wilho A., Inc. (See Kosken, Wilho A., assignor.)

Kosken, Wilho A., Richmond Hill, N. Y., assignor to Wilho A. Kosken, Inc. Automatic film feed mechanism. 1,888,890; Nov. 22.

Kosko, John P., Greensburg, Pa. Saw set. 1,845,423; Feb. 16.

Kosiowski, Karol, and A. Sleszynski, Greenpoint, Brooklyn, N. Y. Aeroplane. 1,855,480; Apr. 26.

Kosmerl, Josiph, Lyons, Ill. Portable refrigerator. 1,883,961; Oct. 25.

Koss, Anton J. (See Krasnodmsky, John, assignor.)

Koss, Louis F., jr., assignor to Capital Machine Company, Indianapolis, Ind. Veneer machine knife clamp. 1,859,582; Dec. 13.

Kosten, Johannes, and F. Zuidema, Grand Rapids, Mich. Device for preventing feather-pulling in fowls. 1,870,907; Sept. 20.

Koster, Edward C., Shaker Heights, assignor to The Vichek Tool Company, Cleveland, Ohio. Wrench set unit. 1,877,466; Sept. 13.

Kosterman, Henry T., Burlingame, assignor to himself and K. Finnegan, San Mateo, Calif. Muffler. 1,864,915; June 28.

Kosters, Clements B., Buffalo, N. Y. Shoe stretcher. 1,871,854; Aug. 16.

Kosters, George J., Covington, Ky. Toothbrush. 1,854,264; Apr. 19.

Kotenberg, Herbert R. (See Harder, Henry J., and Kotenberg.)

Kotis, James C., Mobile, Ala. Hat pressing machine. 1,852,530; Apr. 5.

Kotharz, John S., Elizabeth, N. J. Football game indicator. 1,870,515; Aug. 9.

Kotthaty, Guy F., New York, N. Y. Floor and ceiling member for metal concrete construction. 1,848,357; Mar. 8.

Kotrbaty, Guy F., New York, N. Y. Building construction. 1,877,898; Sept. 20.

Kott, Leo F., Detroit, Mich. Power hammer. 1,855,025; Apr. 19.

Kotthoff, Hans, Newark, N. J. Cigarette lighter. 1,883,962; Oct. 25.

Kotthoff, Theodor, the Firm. (See Eibner, Alexander, assignor.)

Kottlowski, Clarence P., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chain drive. 1,877,338; Sept. 13.

Kottlowski, Clarence P., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chain. 1,877,339; Sept. 13.

Kottman, Arthur A. (See Yerk, H. H., and Kottman.)

Kottmann, August, assignor to Hirn Breinische Metallwaren- und Maschinenfabrik Sömmerda Aktiengesellschaft, Sommerda, Germany. Calculating machine. 1,848,207; Feb. 23.

Kotzebue, Meinhard, H., Tulsa, Okla. Still for separating absorption oil from gasoline. 1,851,849; Mar. 29.

Kotzen, E. Louis. (See Pfueller, Bruno E., assignor.)

Koubek, Lillian M. (See Powers, C. R., and Koubek.)

Kough, Benjamin J. (See Brown, T., and Kough.)

Koun, Young H., New York, N. Y. Automatic control system for aeroplanes. 1,890,115; Dec. 6.

Koupal, Walter G., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,871,025; Aug. 9.

Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,842,602; May 24.

Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,842,643; May 24.

Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,871,026; Aug. 9.

Kovacs, Dezso, New York, N. Y. Plane. 1,855,973; Apr. 26.

Kovacs, Theodor, Berlin, Germany. Fountain pen protector. 1,842,677; Jan. 26.

Kovács, Theodor, Berlin, assignor to the Firm Gunther Wagner, Hannover, Germany. Reservoir pen. 1,853,731; Apr. 12.

Kowalewski, Frank M., assignor of one-half to W. H. Cannard, Green Bay, Wis. Paper napkin. 1,865,922; July 5.

Kowalsky, Andrew. (See Crumb, C. F., and Kowalsky.)

Kowalski, Arthur, et al. (See Strackbein, Conrad, assignor.)

Kower, Eugene, and W. L. Cummings, San Francisco, Calif. Automobile auxiliary control structure. 1,847,114; Mar. 1.

Kowk, John F. (See Graham, J. T., assignor.)

Kowvallis, Theodore, Reading, Pa. Incandescent lamp. 1,849,035; Mar. 15.

Koyen, Albert, Fremont, Nebr. Attachment for hubs. 1,871,619; Aug. 16.

Kozo, Carl, Newark, W. J., assignor to Hugo Mock, New York, N. Y. Talcum powder can and sifter therefor. 1,861,602; June 7.

Kozokar, Inc. (See Hoch, E. G., and Levering, assignors.)

Kozma, John, Rochester, N. Y. Tread attachment for vehicle tires. 1,852,386; Oct. 11.

Kraatz, Randolph P. (See Schick, A. H., and Kraatz.)

Kraber, George R., Newtonville, Mass., assignor to Warren Telechron Company. Clock case. Des. 86,317; Feb. 23.

Kraber, George R., Newtonville, Mass., assignor to Warren Telechron Company. Clock case. Des. 86,318; Feb. 23.

Kraber, George R., Newtonville, Mass., assignor to Warren Telechron Company. Clock case. Des. 86,319; Feb. 23.

Kracht, Ernst. (See Tschunkur, E., and Kracht.)

Kracht, Ernst. (See Tschunkur, E., Kracht, and Herdieckerhoff.)

Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Vehicle body construction. 1,844,401; Feb. 9.

Kraeft, Herman L., assignor to Murray-Ohio Mfg. Company, Cleveland, Ohio. Velocipede construction. 1,874,337; Apr. 19.

Kraeft, Herman L., assignor to Murray-Ohio Mfg. Company, Cleveland, Ohio. Cycle construction and packing. 1,882,859; June 21.

Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Wheel construction. 1,878,528; Sept. 20.

Kraegeloh, Franz. (See Fahrenhorst, J., Goeggel, and Kraegeloh.)

Kraemer, August F., Providence, R. I., assignor to Louis Stern Company. Extensible buckle. 1,866,165; July 5.

Kraemer, Ludwig, Cologne-Mansfield, Germany. Light metal piston. 1,868,420; July 19.

Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc. Weatherlight ship's window. 1,840,511; Jan. 12.

Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc. Ship's window. 1,848,132; Mar. 8.

Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc. Watertight ship's window. 1,872,976; Aug. 23.

Kraenzlein, Georg. (See Kunz, M. A., Kraenzlein, Koeberle, Corell, Berthold, and Vollman.)

Kraenzlein, Georg, Frankfort-on-the-Main, Hochst, and R. K. Müller, Bad Soden-on-the-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Materials coated with lacquers, lacquers, and a process of producing coatings. 1,873,945; Aug. 23.

Kraenzlein, Georg, Frankfort-on-the-Main-Hochst, R. K. Müller, Bad-Soden-on-Taunus, and L. W. Berlin, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing an active mass for cathodes of electric alkaline accumulators. 1,885,451; Nov. 1.

Kraenzlein, Georg, and R. Welde, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of naphtazarine and preparing them. 1,892,310; Dec. 27.

Kraetsch, Ralph D., et al. (See Johnson, Harry D., assignor.)

Kraft, Charles H., Kansas City, Mo. Blackboard. 1,865,863; July 5.

Kraft, Charles H., Kansas City, Mo. Garment hanger. 1,880,963; Oct. 4.

Kraft, Charles J., Detroit, Mich. Newspaper holder. 1,840,206; Jan. 5.

Kraft, Hans, Schenectady, N. Y., assignors to General Electric Company. Speed governing mechanism. 1,891,096; Dec. 13.

Kraft, Herman T., Akron, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,869,816; Aug. 2.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Watchcase heater. 1,871,620; Aug. 16.

Kraft, Herman T., Akron, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,876,693; Sept. 13.

Kraft, Ida H., Denver, Colo. Ash container. 1,867,080; July 12.

Kraft, Paul, assignor to the Firm Carl Zeiss, Jena, Germany. Device for producing different colored illumination for microscopic objects. 1,837,099; Nov. 8.

Kraft, Phenix Cheese Corporation. (See Bell, Arthur W., assignor.)

Kraft-Phenix Cheese Corporation. (See Chapman, Charles F., assignor.)

Kraft-Phenix Cheese Corporation. (See Guest, Ward E., assignor.)

Kraft, Russell E., Springfield, Mass. Fire or heat-closing valve. 1,840,959; Jan. 12.

Kraft, Sam, Minneapolis, Minn., and Mais. St. Paul, Minn.; said Kraft assignor to said Mais. Oil burner. 1,881,687; Oct. 11.

Krag, Franz K., et al. (See Nelson, John V., assignor.)

Krag, Franz K., Chicago, and J. V. Nelson, Maywood, assignors to U. S. Manufacturing Corporation, Decatur, Ill. Retaining ring for utensils, such as fly swatters and the like. 1,885,730; Nov. 1.

Krag, Grace M., Chicago, Ill. Broiling apparatus. 1,869,205; Oct. 4.

Krage, Elmer C., Elmhurst, assignor of one-half to E. F. Stuenkel, Highland Park, Ill. Railroad crossing gate. 1,860,310; June 14.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Shielded grid tube. 1,840,365; Jan. 12.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Treating tubes. 1,854,376; Apr. 19.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Harrison, N. J. Vacuum tube construction. 1,857,645; May 10.

Krahl, Walter L., Montclair, assignor, by mesne assignments, to Arcturus Radio Tube Company, Newark, N. J. Thermionic tube connecting means. 1,857,646; May 10.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Unitary element structure for vacuum tubes. 1,857,647; May 10.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Preventing hum due to interelement capacities in vacuum tubes. 1,862,020; June 7.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Assembly of elements in electron devices. 1,866,715; July 12.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Full wave rectifier. 1,869,567; Aug. 2.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Pentode tube. 1,869,568; Aug. 2.

Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Radio circuit. 1,874,309; Aug. 30.

Krahl, Walter L., Harrison, assignor to Arcturus Radio Tube Company, Newark, N. J. Vacuum tube. 1,869,566; Aug. 2.

Krahmer, Antony. (See Silva, J. R., and Krahmer.)

Krajac, Milos, Detroit, Mich. Aeroplane signal. 1,886,245; Nov. 1.

Krajac, Milos, assignor of one-half to Sofi Lapcevich, McDonald, Ohio. Electric heater. Des. 88,234; Nov. 8.

Krakau, Harry T., Bratenahl, assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Draft gear operation recorder. 1,872,977; Aug. 23.

Krakau, Harry T., assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Shock absorbing mechanism. 1,872,978; Aug. 23.

Krakow, Wilhelm. (See Füber, Maximilian, assignor.)

Kral, Ludwig, assignor to Graf Prisma Gesellschaft m. b. H., Vienna, Austria. Reflector. 1,888,388; Nov. 22.

Kraly, Charles. (See Kraly, J. J. and C.)

Kraly, Joseph J. and C., Pittsburgh, Pa. Nonskid unit. 1,862,408; June 7.

Kramaroff, Richard. (See Schofield, E. R., and Kramaroff.)

Kramer, Andrew A., Kansas City, Mo. Tank construction. 1,844,961; Feb. 16.

Kramer, Andrew A., Kansas City, Mo. Roof construction. 1,852,659; Apr. 5.

Kramer, Andrew A., Kansas City, Mo. Complete discharge vehicle tank. 1,868,799; July 26.

Kramer, Andrew A., Kansas City, Mo. Expansion dome for vehicle tanks. 1,876,304; Sept. 6.

Kramer, Andrew A., Kansas City, Mo. Tank vehicle. 1,886,196; Nov. 1.

Kramer, Andrew A., Kansas City, Mo. Semitrailer tank vehicle. 1,886,197; Nov. 1.

Krämer, Bernhard, Hsile, Germany. Fluid controlling device. 1,842,788; Jan. 26.

Kramer Brothers Foundry Company. (See Kramer, George H., assignor.)

Krämer, Christian. (See Fleischmann, L., and Krämer.)

Krämer, Christian, Berlin-Pankow, Germany, assignor to General Electric Company. Mercury arc rectifier. 1,869,156; July 26.

Kramer, Elsie M. (See Willey, Leo C., assignor.)

Kramer, Erwin. (See Bollweg, B., Zeh, and Kramer.)

Kramer, Erwin, Berlin, assignor to Hartstoff-Metall Aktiengesellschaft, (Hametag), Berlin-Copenick, Germany. Separator. 1,846,209; Feb. 23.

Kramer, Erwin, Berlin, assignor to the Firm Hartstoff-Metall Aktiengesellschaft, Berlin-Copenick, Germany. Air-separator. 1,846,210; Feb. 23.

Kramer, Erwin, Berlin, assignor to Firm Hartstoff-Metall Aktien-Gesellschaft (Hametag), Berlin, Copenick, Germany. Mass core and means for and a method of making it. 1,868,327; July 19.

Kramer, Erwin, Cologne-Deutz, L. Zeh, Wiesdorf-on-the-Rhine, and B. Bollweg, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New sulphur dyestuffs and process of making. 1,840,322; Jan. 12.

Kramer, Erwin, Cologne-Deutz, Bernhard Bollweg, and Ludwig Zeh, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substituted sulfur dyestuff. 1,853,435; Apr. 12.

Kramer, Erwin, Cologne-Deutz, Bernhard Bollweg, Leverkusen-on-the-Rhine, and Ludwig Zeh, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of substituted sulphur dyestuffs in substance or on the fiber. 1,873,946; Aug. 23.

Kramer, Erwin, Cologne-Deutz, Bernhard Bollweg, Leverkusen-on-the-Rhine, and L. Zeh, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of substituted sulphur dyestuffs in substance or on the fiber. 1,873,947; Aug. 23.

Kramer, Erwin, Cologne-Deutz, B. Bollweg, Leverkusen-on-the-Rhine, and L. Zeh, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing with substituted sulphur dyestuffs. 1,873,948; Aug. 23.

Kramer, Frederick W. (See Seger, Lavern A., assignor.)

Kramer, George H., assignor to Kramer Brothers Foundry Company, Dayton, Ohio. Molder's flask. 1,883,963; Oct. 25.

Kramer, Herman. (See Burton, K. H., and Kramer.)

Kramer, Herman, Tulsa, Okla., assignor to General Paint Corporation, San Francisco, Calif. Dolly and return trackway. 1,883,964; Oct. 25.

Kramer, Jozephus A. P., Terborg, Netherlands. Knitting frame or like article of clothing. 1,849,461; Mar. 15.

Kramer, Oskar, Oppau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon-black. 1,849,675; Mar. 15.

Kramer, Paul. (See Clanton, Richard, assignor.)

Kramer, Richard L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moldable cellulosic-derivative composition. 1,845,156; Feb. 16.

Kramer, Richard L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose acetate composition. 1,874,310; Aug. 30.

Kramer, Wilbur A., assignor to The Advance Foundry Company, Dayton, Ohio. Combined garbage cooker and drier. 1,875,320; Sept. 6.

Kramlik, Sebastian, Kenilworth, N. J. Golf club handle. 1,890,388; Dec. 6.

Kramm, Edward F., Alpena, Mich. Table end top therefor. 1,844,582; Feb. 9.

Kraner, Jacob C., Pickerington, Ohio. Folding chair. 1,885,269; Nov. 1.

Kranich, Frank N. G., Winnetka, Ill. Harvesting apparatus. 1,868,835; July 26.

Kranich, Henry O., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass edging machine. 1,850,465; Mar. 22.

Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Tractor-mower. 1,855,838; Apr. 26.
Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,887,355; Nov. 8.
Kranitcz, Steven. (See Bauer, Imre, assignor.)
Krantz, Hubert, Aachen, Germany. Steam heating system. 1,853,820; Apr. 12.
Krantz, Hubert, Aachen, Germany. Centrifugal extractor. 1,853,821; Apr. 12.
Krantz, Joseph K., Wycliffe Center, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,872,303; Aug. 16.
Krantz, Joseph A., assignor to The Reeves Manufacturing Company, Dover, Ohio. Lock joint for metal pipes. Re18,444; Apr. 26.
Kranz, Friedrich Ch., Dresden, Germany. Mill provided with a conical runner. 1,842,988; Jan. 26.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Mechanism for forming latch pivots. 1,866,360; July 5.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Locking latch pivots. 1,881,689; Oct. 11.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Co., Cleveland, Ohio. Vehicle wheel rim. 1,881,690; Oct. 11.
Kranz, Harry W., C. S. Holden, and H. H. Bound, Lakewood, assignors to The Cleveland Welding Company, Cleveland, Ohio. Tire carrying rim. 1,881,688; Oct. 11.
Kranz, Herman E., assignor to Grigsby-Grunow Company, Chicago, Ill. Resistance device. 1,841,332; Jan. 12.
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Apparatus for making fringes, trimmings, and the like. 1,855,763; Apr. 26.
Kranz, Sam, New York, N. Y. Roll screen fastener. 1,867,407; July 12.
Kranz, William, jr., Little Rock, Ark. Subsoiling attachment for plows. 1,867,977; July 19.
Kränzlein, Georg. (See Samesreuther, R., and Kränzlein.)
Kränzlein, Georg, H. Greune, and H. Vollmann, Hochstson-the-Main, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y., Coloring matter and making same. 1,853,362; Apr. 12.
Kränzlein, Georg, H. Greune, and H. Vollmann, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works Inc. Dyestuffs of the phenazine series and preparing them. 1,854,045; Apr. 12.
Kränzlein, Georg, and A. Sorell, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen-dibenzpyrenequinones and making same. 1,855,293; Apr. 26.
Kränzlein, Georg, M. Corell, and H. Vollmann, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Process of preparing vat dyestuffs. 1,856,710; May 3.
Kränzlein, Georg, and H. Greune, Frankfort-on-the-Main-Hochst, and G. Zachmann, Griesheim-b-Frankfurt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Benzanthrone-derivatives and preparing them. 1,856,711; May 3.
Kränzlein, Georg, G. Hartmann, and A. Hardt, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pigment dyes. 1,860,736; May 24.
Kränzlein, Georg, Frankfort-on-the-Main, Hochst, Germany, and R. Sedlmayr, Aussig, Czechoslovakia, assignors to General Aniline Works, Inc., New York, N. Y. Aralkylbenzanthrones and preparing them. 1,867,459; July 12.
Kränzlein, Georg, and H. Vollmann, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Cycloketones, polycycloketones, and quinones and preparing them. 1,874,547; Aug. 30.
Kränzlein, Georg, H. Vollmann, and M. Corell, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitrogen-containing derivatives of dibenzpyrenequinones and preparing them. 1,876,966; Sept. 13.
Kränzlein, Georg, M. Corell, and H. Vollmann, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the dibenzpyrenequinone series. 1,877,899; Sept. 20.
Kränzlein, Georg, Frankfort-on-the-Main-Hochst, R. C. Müller, and Sodeu-on-the-Taunus, K. W. Roth, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Positive electrode and preparing the same. 1,879,904; Sept. 27.
Kränzlein, Georg, H. Greune, and H. Vollmann, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Benzanthrone derivatives and preparing them. 1,892,241; Dec. 27.
Krase, Herbert J., Anniston, assignor, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Process for the production of urea and an ammonium salt of a strong mineral acid. 1,884,751; Oct. 25.
Krasnodmsky, John, assignor of fifteen per cent to A. J. Koss, Milwaukee, Wis. Aeroplane propeller. 1,864,492; June 21.
Krasner, Philip, Brooklyn, N. Y. Combination book mark and clip. 1,878,861; Sept. 20.
Krastin, August, assignor to W. E. Milestone, Cleveland, Ohio. Helicopter toy device. 1,873,896; Aug. 23.
Kratky, Anton, assignor to John Bene & Sons, Inc., Brooklyn, N. Y. Electrolyte for the manufacture of hydrogen peroxide. 1,861,573; June 7.
Kratky, Hans, Vienna, Austria. Springing system for power driven vehicles. 1,888,989; Nov. 29.
Kratoville, John C., Ironton, Ohio, assignor to The Barrett Company, New York, N. Y. Waterproofing composition and preparing. 1,863,830; May 7.
Kratz, Edouard M., Chicago, Ill., assignor to Marsene Products Co., Gary, Ind. Composition for making transparent sheet material. 1,847,666; Mar. 1.
Kratz, Edouard M., Chicago, Ill., assignor, by mesne assignments, to Marsene Products Co. Machine for making transparent paper. 1,862,294; June 14.
Kratz, Edouard M., Chicago, Ill., assignor to Marsene Products Co. Transparent sheet material. 1,866,410; July 5.
Kratz, Edwin E., Kansas City, Mo. Fountain pen. 1,848,358; Mar. 8.
Kratz, Franz, Stuttgart, Germany, assignor to Servo-Frein Dewandre Societe Anonyme, Liege, Belgium. Brake control device. 1,856,342; May 3.
Kratz, Franz, Stuttgart, Germany, assignor to Servo-Frein Dewandre, Societe Anonyme, Liege, Belgium. Servo-mechanism for brakes. 1,857,053; May 3.
Kratz, Howard L., Rudolphia, Ky., assignor to Hugh Lyons & Company, Lansing, Mich. Combined base and standard for a display stand. Des. 86,608; Mar. 29.
Kratz, Louis C., Brooklyn, N. Y. Paper weight. 1,883,965; Oct. 25.
Kratzer, Herbert J., St. Louis, Mo. Pilot vane for the aerofoil wings of airplanes. 1,867,013; July 12.
Kratzer, Herman, Kanopolis, Kans. Valve for wells. 1,847,011; Feb. 23.
Kratzer, Herman, Hillsworth, Kans. Poultry waterer. 1,852,975; Apr. 5.
Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Supplying heat in high pressure reactions. 1,857,814; May 10.
Krauch, Carl, and M. Pier, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Conversion of solid fuels and products derived therefrom or other carbonaceous materials into valuable liquids. 1,877,999; Sept. 20.
Krauch, Carl, Ludwigshafen-on-the-Rhine, M. Pier, Heidelberg, and E. Hochschwender, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of oils from mixtures thereof with solid substances. 1,858,691; Oct. 11.
Krauch, Carl, and M. Müller-Cunradi, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Unsaturated aliphatic hydrocarbon. 1,881,692; Oct. 11.
Krauch, Carl, and K. Hochschwender, Ludwigshafen-on-the-Rhine, and W. Schunck, Rodenkirchen, near Mersenburg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacturing organic compounds. 1,882,201; Nov. 29.
Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Conversion of solid fuels and products derived therefrom or other materials into valuable liquids. 1,890,434; Dec. 6.
Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of valuable liquid products from tars, mineral oils, and the like carbonaceous materials. 1,890,435; Dec. 6.
Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Conversion of solid fuels and products derived therefrom or other materials into valuable liquids. 1,890,436; Dec. 6.
Krauer, Karl. (See Mayer, B., Krauer, and Siebenbürger.)
Krauer, Karl. (See Mayer, B., Siebenbürger, and Krauer.)
Krauer, Karl, Basel, assignor to the First of Society of Chemical Industry in Basel, Basel, Switzerland. Halogen containing dyestuffs of the dibenzanthrone series and making same. 1,853,491; May 17.
Kraus, Bernard, New Brighton, N. Y. Walking toy. 1,854,202; Apr. 19.
Kraus, Charles, and A. J. Cusick, New Orleans, La. Substacean trap. 1,887,059; Nov. 8.
Kraus, Charles E., Brooklyn, N. Y., assignor to Sialco, Incorporated. Plasticizing hydraulic cement. 1,885,731; Nov. 1.
Krause, Albert F., Buffalo, N. Y. Heating apparatus. 1,880,178; Sept. 27.
Krause, Arnold R. (See Hutchens, H. O., and Krause.)
Krause, Arnold R., assignor to Gillette Rubber Company, Eau Claire, Wis. Vulcanizer with interchangeable shell. 1,875,816; Sept. 6.
Krause, Arnold R., and R. W. Hutchens, assignors to Gillette Rubber Company, Eau Claire, Wis. Inner tube and tire mold. 1,870,255; Aug. 9.
Krause, Arnold R., and A. C. Hirsch, assignors to Gillette Rubber Company, Eau Claire, Wis. Machine for painting tires and the like. 1,876,967; Sept. 13.
Krause, Artur. (See Kačer, F., and Krause.)

Krause, Artur. (See Nawiasky, P., and Krause.)
Krause, Frank R., Youngstown, Ohio. Overrunning clutch. 1,833,966; Oct. 25.
Krause, Georg A., Munich, Germany, assignor to Katadyn, Inc., Dover, Del. Sterilizing container for liquids. 1,833,967; Oct. 25.
Krause, Henry, Little Neck, N. Y. Clip for fountain-pen caps, pencils and the like. 1,863,016; June 14.
Krause, Henry, Little Neck, Long Island, assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen. 1,340,110; Jan. 5.
Krause, Louis, Troy, N. Y. Puzzle. 1,853,346; Apr. 12.
Krause, Louise R., St. Louis, Mo. Dish drying cabinet. 1,860,617; May 31.
Krause, Norman A., assignor to J. I. Case Company, Racine, Wis. Conveyer. 1,847,433; Mar. 1.
Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Drawbar for implements. 1,848,359; Mar. 8.
Krause, Paul, assignor, by direct and mesne assignments, of one-third to W. E. Sprague, deceased, Lucy A. Sprague, administratrix, and one-third to H. Taylor, Babylon, N. Y. Liquid pump. 1,879,876; Sept. 27.
Krause, Paul, assignor of one-third to H. Taylor and one-third to R. H. Sprague, West Babylon, Long Island, N. Y. Liquid metering and registering mechanism. 1,886,555; Nov. 8.
Krause, Paul, assignor of part interest to William E. Sprague, deceased, Lucy A. Sprague, administratrix, and part interest to Harry Taylor, Babylon, N. Y. Coin controlled liquid dispensing device. 1,890,616; Dec. 13.
Krause, Richard, et al. (See Balthasar, Karl, assignor.)
Krause, Richard F., Massillon, Ohio. Drip coffeepot. Des. 87,068; May 31.
Krause, Richard F., Massillon, Ohio. Drip coffee maker. 1,872,466; Aug. 16.
Krause, William, Bronx, N. Y., assignor, by mesne assignments, to Grant S. Whitney Company, Hartford, Conn. Undercutter attachment for flexible shaft bench grinders. 1,851,284; Mar. 29.
Krauss, Joseph, assignor to New Brick Corporation, Pittsburgh, Pa. Wall covering. 1,853,822; Apr. 12.
Krauss, Joseph, assignor to New Brick Corporation, Pittsburgh, Pa. Wall covering. 1,853,823; Apr. 12.
Krauss, Joseph, assignor, by mesne assignments, to New Brick Corporation, Pittsburgh, Pa. Wall covering. 1,853,824; Apr. 12.
Krauss, Karl, Frankfort-on-the-Main-Fechenheim, and A. Hagenbücker, Frankfort-on-the-Main-Hoechst, Germany, assignors to Selden Chemical Works, Inc., New York, N. Y. New stable reduction compounds of the 6.6'-dialkoxy-thiondigos. 1,844,039; Feb. 9.
Krauss, Walther, Berlin-Zehlendorf, Germany, assignor to General Electric Company. Copper iodide rectifier. 1,891,097; Dec. 13.
Kraut Machinery Company, The. (See Sharpe, Ira G., assignor.)
Kraut, Max, San Francisco, Calif. Pneumatic flotation apparatus. 1,849,146; Mar. 15.
Kraut, Samuel B., East Pittsburgh, and C. E. Margerum, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Copper hemisulphide rectifier. 1,872,304; Aug. 16.
Krauter, Hermann, Vienna, Austria. Massaging and stimulating implement. 1,886,029; Nov. 1.
Krautheim, William C., and K. S. Howard, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive bed. 1,845,157; Feb. 16.
Kravitz, Samuel, et al. (See Gilowitz, Benjamin, assignor.)
Kravitz, Vane, Ojai, Calif. Fruit cutting implement. 1,879,851; Sept. 27.
Krawitz, Nathan, Philadelphia, Pa. Display device. 1,865,923; July 5.
Krchma, Ignace J. (See Carlsmith, L. E., Boeckeler, and Krchma.)
Krchma, Ignace J. (See Martin, J., and Krchma.)
Krchma, Ignace J. (See Woodruff, J. C., Martin, and Krchma.)
Krebs, Adolf, Jamaica Plain, Mass. Welding. 1,866,044; July 5.
Krebs, Anna, guardian. (See Krebs, LeRoy J., assignor.)
Krebs, Anthony, Roselle Park, N. J. Clothespin holder. 1,872,753; Aug. 23.
Krebs, Charles, Boston, Mass. Reproducing machine. 1,860,037; May 24.
Krebs, Charles E., Chicago, Ill. Mop swab. 1,855,400; Apr. 26.
Krebs, Hans, and R. Borchers, Hettstedt, assignors of one-third to Mansfeld Aktiengesellschaft fur Bergbau und Huttenbetrieb, Eisleben, Germany. Producing sulphuric acid. 1,856,040; Apr. 26.
Krebs, Henry, assignor to Packard Motor Car Company, Detroit, Mich. Metal working machine. 1,876,248; Sept. 6.
Krebs, Herman, Sunbury, Iowa. Clamp. 1,888,209; Nov. 22.
Krebs, LeRoy J.; A. Krebs, guardian, assignor of one-fourth to Anna Krebs, Clinton, Iowa. Demountable rim. 1,876,968; Sept. 13.
Krebs Pigment & Color Corporation. (See Allen, E. R., and Siegel, assignors.)
Krebs Pigment and Color Corporation. (See Blumenfeld, Joseph, assignor.)
Krebs Pigment and Color Corporation. (See de Rohden, Charles, assignor.)
Krebs Pigment and Color Corporation. (See Kubin, Gabriel, assignor.)
Krebs Pigment & Color Corporation. (See Mayer, Max, assignor.)
Krebs Pigment & Color Corporation. (See McBerty, Ford H., assignor.)
Krebs Pigment & Color Corporation. (See Mowlds, K. S., and Sequine.)
Krebs Pigment and Color Corporation. (See O'Brien, William J.)
Krebs Pigment & Color Corporation. (See Sequine, William, jr., assignor.)
Krebs Pigment and Color Corporation. (See Specht, Norbert, assignor.)
Krebs Pigment & Color Corporation. (See Taylor, Edward A., assignor.)
Krebs, William R., Baltimore, Md. Foldable paper box. 1,871,706; Aug. 16.
Krebser, Adolf, assignor to J. R. Geigy S. A., Basel, Switzerland. Manufacture of disazodyestuffs for dyeing and printing wool. 1,869,063; July 26.
Krebser, Adolf, assignor to J. R. Geigy S. A., Basel, Switzerland. Manufacture of disazodyestuffs for dyeing and printing wool. 1,869,064; July 26.
Krebser, Adolf, assignor to the Firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of azophthalein dyestuffs. 1,888,002; Nov. 15.
Krebser, Herman U. (See Newcomb, Louise Z., assignor.)
Krech, Rudolph, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of colored rubber goods. 1,845,158; Feb. 16.
Kreer, John G. (See Dudley, J. G., and Kreer.)
Kregenow, Frank F. (See McRae, W. L., and Cooke.)
Krehbiel, John. (See Erkes, J., and Krehbiel.)
Krehen, Max, Freiberg, assignor to C. Ludwig, Annaberg, Germany. Carburetor. 1,844,771; Feb. 9.
Kreher, Max, Freiberg, assignor to Curt Ludwig, Annaberg, Germany. Floatless carburetor. 1,848,255; Mar. 8.
Kreid, John F., East Liverpool, Ohio. Compressed air and gas blowtorch. 1,851,392; Mar. 29.
Kreidel, Hans, Wiesbaden, Germany. Grease gun. 1,840,111; Jan. 5.
Kreidel, Hans, Wiesbaden, Germany. Oil lubricating can. 1,847,188; Mar. 1.
Kreidel, Hans, Wiesbaden, Germany. Nozzle for lubricating guns and pumps. 1,855,803; Apr. 26.
Kreidel, Hans, Wiesbaden, Germany. Central atomizer. 1,863,601; June 21.
Kreidel, Hans, Wiesbaden, Germany. Central lubricating device, especially for motor driven vehicles. 1,868,800; July 26.
Kreidel, Hans, Wiesbaden, Germany. Wick lubricator. 1,869,157; Dec. 6.
Kreider Gilbert S., assignor to H. Copaken, Kansas City, Mo. Sash stop. 1,841,372; Jan. 19.
Kreider, Walter J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,843,982; Feb. 9.
Kreidl, Ignaz, Vienna, Austria. Opacifying substance for enamels, glasses, and the like. 1,849,192; Mar. 15.
Kreidler, Earl M. (See Seibert, N. J., and Kreidler.)
Kreidler, Earl M. (See Weymouth, H. G., and Kreidler.)
Kremer, Joseph and D. G. Dewey; said Dewar assignor of one-half to Alba C. Honeycutt, Kansas City, Mo. Sash cord support. 1,891,265; Dec. 20.
Kreimer, Robert C., Duluth, Minn. Plant support. 1,843,366; Feb. 2.
Kreis, Oscar C., assignor to Continental Motor Corporation, Detroit, Mich. Internal combustion engine. 1,874,311; Aug. 30.
Kreiselman, Joseph. (See Swope, R. B., and Kreiselman.)
Kreiser, Walter. (See Rieseler, W., and Kreiser.)
Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Fuel pulverizing system. 1,882,329; Oct. 11.
Krekeler, Heinz, Berlin, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of fluorine. 1,863,661; June 21.
Krell, George, Sapulpa, and G. M. Martinet, Tulsa, Okla.; said Martinet assignor to said Krell. Speed transformer. 1,879,526; Sept. 27.
Krell, Joseph, Berlin-Zehlendorf, Germany. Printing plate for addressing and other printing machines. 1,847,338; Mar. 1.
Krell, Joseph, Berlin-Pankow, Germany. Machine for printing addresses of other matter on forms or the like. 1,876,969; Sept. 13.
Krell, Joseph, Berlin-Zehlendorf, Germany. Address printing and calculating machine. 1,876,970; Sept. 13.
Krell, Otto, Berlin-Dahlem, Germany. Rotatable hanger for airships. 1,848,360; Mar. 8.
Krema, John F., Oshkosh, Wis., assignor to The Dearborn Company, Chicago, Ill. Card table. 1,840,844; Jan. 12.
Krembs, Ottmar M. (See Ternstedt, Klas H., assignor.)
Krembs, Ottmar M., Glencoe, Ill. Brazing rod. 1,891,546; Dec. 20.
Krementz & Company. (See Nobbe, Morris O., assignor.)
Kremer, John. (See Armour, E., and Kremer.)

Kremer, John, West Orange, assignor to Charles Engelhard, Inc., Newark, N. J. Electrical control device. 1,874,548; Aug. 30.
Kremer, Joseph. (See Fayer, C., and Kremer.)
Kremko, Daniel, Detroit, Mich., assignor of one-third to J. H. Mitchell, Northampton, Pa. Pulling device. 1,886,389; Nov. 22.
Kremmling, Albert. (See Kremmling, Otto, assignor.)
Kremmling, Otto, Oschersleben, Germany. Apparatus for expressing bakers' material. 1,851,945; Mar. 29.
Kremmling, Otto, Hamersleben, near Oschersleben, Germany. Automatic dough dividing and working machine. 1,858,381; May 17.
Kremmling, Otto, Hamersleben, Germany. Process and apparatus for expressing bakers' material. 1,879,327; Sept. 27.
Kremmling, Otto, Hamersleben, assignor to A. Kremmling, Hamersleben near Oschersleben, Germany. Apparatus for manufacturing pastries and confectionery. 1,879,328; Sept. 27.
Kremmling, Otto., Hamersleben, District Oschersleben, assignor to Lieselotte Kremmling, Hamersleben, near Aschersleben, Germany. Apparatus for the mechanical kneading of dough. 1,881,364; Oct. 4.
Kremp, Franz. (See Beck, C., and Kremp.)
Krenke, Arthur A., assignor to Auger-Holib Manufacturing Company, Port Huron, Mich. Mounting rotatable bodies. 1,851,674; Mar. 29.
Krenz, Reinhold W., Toledo, Ohio. Industrial incinerator. 1,859,300; May 24.
Krenzke, William F., Racine, Wis., assignor of one-half to T. L. Fawick, Akron, Ohio. Front driven automobile. 1,876,249; Sept. 6.
Kreps, Elmer H. (See Allen, G. N., and Kreps.)
Kress, S. S., Company. (See Schultz, Margaret, assignor.)
Kress, Otto, Appleton, Wis. Manufacture of wood pulp. 1,867,626; July 19.
Kress, Otto, Appleton, Wis. Marking and producing designs on paper. 1,887,934; Nov. 15.
Kress, Willard C. Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Wrench and wrench holder. 1,889,203; Nov. 29.
Kressin, Hans, Berlin-Britz, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,861,633; June 7.
Kretchmar, Max A., Albany, assignor to Horrocks Desk Company, Herkimer, N. Y. Lubricating machinery. 1,866,977; July 12.
Kretzschmar, Alfred, Breslau, Germany. Filter for liquids. 1,871,122; Aug. 9.
Kreuder, Henry, New York, N. Y. Film holder. 1,845,800; Feb. 16.
Kreuger, Claës G. U., and S. Lewerentz, Stockholm, Sweden. Plate glass setting. 1,888,535; Nov. 22.
Kreuser, John A., and J. Willerscheidt, Chicago, Ill. Generator and heater. 1,873,454; Aug. 23.
Kreutzberg, Otto A., Bethlehem, Pa. Fuel burner. 1,852,531; Apr. 5.
Kreutzer, Karl, assignor to Firm J. S. Staedtler, Nuremberg, Germany. Drawing pencil. Des. 87,010; May 24.
Kreutzer, Karl, Firm J. S. Staedtler, Nuremberg, Germany. Drawing pencil. Des. 87,010; May 24.
Kreuzeder, Karl, Erchtsbach, Germany. Method of mechanically producing a bunch shaped hollow rib in the back plate of artificial teeth. 1,842,678; Jan. 26.
Krichbaum, William P., Hillburn, N. J. Auxiliary operated governing valve. 1,891,547; Dec. 20.
Krick, Vincent, Los Angeles, Calif. Right and left full-fashioned hosiery. Re16,548; Aug. 2.
Krick, Vincent, Los Angeles, Calif. Right and left full-fashioned-foot hosiery. 1,859,335; May 24.
Kridel, J., Sons & Co. 1,880,800; Oct. 18. W., assignor.)
Krider, George E., assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa. Stone crusher. 1,861,348; May 31.
Krider, George E., Duncansville, assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa. Grinding pan. 1,867,081; July 12.
Krider, George E., Duncansville, assignor to McLanahan & Stone Corporation, Hollidaysburgh, Pa. Material washing machine. 1,880,800; Oct. 18.
Krieg, Alfred, Battle Creek, Mich., assignor, by mesne assignments, to Oliver Farm Equipment Company, Wilmington, Del. Harvester for corn and the like. 1,852,314; Apr. 5.
Krieg, Alfred, Racine, Wis., assignor, by mesne assignments to Oliver Farm Equipment Company, Wilmington, Del. Drive means for corn harvesters. 1,890,465; Dec. 13.
Krieg, Anthony W., assignor of one-half to Cypress Novelty Corporation, Brooklyn, N. Y., and one-half to N. D. Q. Specialty Corporation. Manufacture of candle holders. 1,879,816; Sept. 27.
Krieg, Anthony W., Brooklyn, N. Y., assignor, by direct and mesne assignments, of one-half to Cypress Novelty Corporation and one-half to N. D. Q. Specialty Corporation. Shipping and display package for birthday cake candle holders. 1,887,270; Nov. 8.
Krieg, John L. (See Jacocks, G. T., and Krieg.)
Kriegbaum, George M. (See Cady, S. W., and Kriegbaum.)
Kriegbaum, George M., and D. M. Morris, Richmond, Ind., assignors to International Harvester Company. Drive control for planters. 1,864,309; June 21.
Kriege, John F., and E. A. Wilkins, South Sioux City, Nebr. Hand corn husking device. 1,881,368; Oct. 4.
Krieger, Wilhelm. (See Schmidt, M. F., and Krieger.)
Kriegsheim, Heinrich, assignor to The Permutit Company, New York, N. Y. Boiler operation. 1,841,825; Jan. 19.
Krier, Adolph and J. B., assignors to Krier Boiler Company, Chicago, Ill. Boiler. 1,843,425; Mar. 8.
Krier Boiler Company. (See Krier, Adolph and J. B., assignors.)
Krier, John B. (See Krier, Adolph and J. B.)
Kriesel, Gustave F., Minneapolis, Minn. Grinding machine. 1,853,907; Apr. 12.
Krips, James A. C., Haddonfield, N. J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switch apparatus. 1,890,514; Dec. 13.
Krisan, Rudolph M., Hamtramck, Mich. Skid chain. 1,855,974; Apr. 26.
Krise, Edward W., Wilkes-Barre, Pa. Automatic burner. 1,874,312; Aug. 30.
Krissig, Max, assignor to Textile Machine Works, Wyomissing, Pa. Corded braid. 1,849,627; Mar. 15.
Krissig, Max, assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 1,872,989; Aug. 23.
Kristee Manufacturing Company, The. (See Holt, Chester A., assignor.)
Kristensson, August. (See Thorsell, T., and Kristensson.)
Kritzer, Richard W., assignor to Peerless Ice Machine Company, Chicago, Ill. Cooling evaporator. 1,865,924; July 5.
Kritzer, Richard W., assignor to Peerless Ice Machine Company, Chicago, Ill. Refrigeration unit. 1,866,810; July 12.
Krive, James D., assignor to International Shoe Company, St. Louis, Mo. Treeing jack. 1,865,019; June 28.
Krivig, Stephen J., Hillside, N. J., assignor to Baker & Company, Inc. Dental swaging press. 1,883,968; Oct. 25.
Krivig, Stephen J., Hillside, assignor to Baker & Company, Inc., Newark, N. J. Casting backing. 1,883,969; Oct. 25.
Kroczek, Anton M., Chicago, Ill. Bird cage. 1,885,359; Nov. 1.
Kroder, Reubel Company, The. (See Reubel, Henry, assignor.)
Kroef, Johan W., Rotterdam, Netherlands. Apparatus for trimming and spreading grain, ore, and the like. 1,856,343; May 3.
Kroger, Ferdinand J. (See Hohnhorst, F. J., and Kroeger.)
Kroehler Mfg. Co. (See Kroehler, Peter E., assignor.)
Kroehler, Peter E., Riverside, assignor to Kroehler Mfg. Co., Naperville, Ill. Spring seat construction. 1,876,305; Sept. 6.
Kroehle, Adolph G., Faribault, Minn. Combined glazed and screen door. 1,859,974; May 24.
Kroesen, Jay C. (See Richardson, Frank H., assignor.)
Kroesen, Jay C., Belleville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound reproducing apparatus. 1,891,386; Dec. 20.
Kroger, Fred H., New York, N. Y., assignor to Radio Corporation of America. Transmitter. 1,848,133; Mar. 8.
Kroger, Fred H., Ridgewood, N. J., assignor to Radio Corporation of America. Contact. 1,854,203; Apr. 19.
Kroger, Fred H., Brooklyn, N. Y., assignor to Radio Corporation of America. Direction finder. 1,868,982; July 26.
Kroger, Fred H., Ridgewood, N. J., assignor to Radio Corporation of America. Interlocking apparatus for direction finders. 1,871,890; Aug. 16.
Kroger, Fred H., Ridgewood, N. J., assignor to Radio Corporation of America. Transmission system. 1,876,971; Sept. 13.
Kroger, Fred H., Brooklyn, N. Y., assignor to Radio Corporation of America. Radio signaling system. 1,875,021; Aug. 30.
Krogh, Alvin T. (See Elsey, H. M., and Krogh.)
Krohn, Fritz, Essen-Ruhr, Germany. Raising and traversing mechanism for suspended street lamps. 1,885,732; Nov. 1.
Krohn, Walter A. J., Milwaukee, Wis. Power unit. 1,863,202; June 14.
Krohs, Walter. (See Stolz, F., Krohs, and Schlichenmaier.)
Kroier, Waldemar, Tampa, Fla. Awning. 1,867,082; July 12.
Krokenberger, Adolph, Paulsboro, N. J. Foot lift for tractor plows. 1,890,389; Dec. 6.
Krol, Adam, South Bend, Ind. Gauge for cutting tools. 1,846,740; Feb. 23.
Kromschröder, Friedrich, assignor to G. Kromschroder Aktiengesellschaft, Osnabruck, Germany. Gas meter. 1,869,485; Aug. 2.
Kromschroder, G., Aktiengesellschaft. (See Kromschröder, Friedrich, assignor.)
Kronborg, Kristian, and C. C. Hursh, assignors to The American Rolling Mill Company, Middletown, Ohio. Delivery mechanism for continuous picklers and the like. 1,854,551; Apr. 19.
Kronen, Balthasar H., Tarentum, Pa. Apparatus for molding walls. 1,864,444; June 21.

Kroenenberg, Rudolph, Haus Kronenberg, Post Immigrath, Germany. Constructional form of rolling mill, 1,882,507 ; Oct. 11.

Kroenenberger, Bernhard, Kahl-on-the-Main, Germany. Appliance for eye diagnosis. 1,847,014 ; Mar. 1.

Kronenberger, Ferdinand, Brooklyn, N. Y. Ribbed carton. 1,876,063 ; Sept. 6.

Kröner, Gerhard. (See Carstens, H., and Kröner.)

Kronheim, Jacob, Cleveland, Ohio. Resilient bottom for couches and like furniture. 1,874,049 ; Aug. 30.

Kronheim, Jacob, Cleveland, Ohio. Chair and couch. 1,874,050 ; Aug. 30.

Kronheim, Jacob, Cleveland, Ohio. Resilient seat or bottom for chairs, couches, etc. 1,874,051 ; Mar. 1.

Kronheim, Jacob, Cleveland, Ohio. Chair and couch. 1,874,052 ; Aug. 30.

Kronheim, Jacob, Cleveland, Ohio. Resilient bottom. 1,890,989 ; Dec. 6.

Kronheim, Jacob, Cleveland, Ohio. Chair and couch. 1,890,990 ; Dec. 6.

Kronlotz, Erich, Bad Soden-on-the-Taunus, and H. Schlichenmaier, Kelkehim-in-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New cyclic ureides and a process of preparing them. 1,877,900 ; Sept. 20.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Selvage trimmer for box looms. 1,872,979 ; Aug. 23.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container vacuumizing and sealing machine. 1,846,120 ; Feb. 23.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,846,739 ; Feb. 23.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container. 1,849,763 ; Mar. 15.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for applying solder to keys for opening containers. 1,861,536 ; June 7.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,862,509 ; June 7.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,862,510 ; June 7.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Forming and storing cylindrical can bodies. 1,863,446 ; June 14.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Sterilizing food products in containers. 1,863,447 ; June 14.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for closing cans and vacuumizing the cans prior to sealing. 1,865,320 ; June 28.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Vacuumizing containers. 1,888,133 ; Nov. 15.

Kronquest, Alfred L., Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y. Freezing apparatus. 1,891,425 ; Dec. 20.

Krook, Bernt J. M., Stockholm, and J. Harden, Lidingo, Sweden. Aircraft. 1,883,070 ; Oct. 25.

Kropff, Ludwig, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Boxes for turbogenerators. 1,876,065 ; Aug. 2.

Kropff, Wilhelm, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,847,532 ; Mar. 1.

Kropp, Edward L., assignor to Western Road Machinery Company, Portland, Oreg. Rock crusher jaw. 1,849,935 ; Mar. 15.

Kropp, Walter, Elberfeld, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. New acrolein condensation product. 1,845,755 ; Feb. 16.

Kropp, Walter, Elberfeld, and L. Rosenthal, Vohwinkel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mediums for inhibiting the perishing of artificial and natural varieties of rubber. 1,842,908 ; Jan. 26.

Krosnowitz, Walter. See Wagner, J., and Krostewitz.)

Krotee, Walter E., Philadelphia, Pa. Insulated driving connection. 1,850,210 ; Mar. 22.

Krotee, Walter E., Philadelphia, Pa. Insulated driving connection. 1,860,744 ; May 31.

Krotz, Alvaro S., Lombard, Ill., assignor, by mesne assignments, to The Massey-Harris Company. Cultivator. 1,852,120 ; Apr. 5.

Kroyer, Clifton H., and R. A. Farish, San Francisco, assignors to American Tractor Equipment Co., Oakland, Calif. Land leveling device. 1,888,925 ; Nov. 22.

Krücken, Peter, Mannheim-Feudenheim, Germany. Machine and method for treating cigars. 1,847,769 ; Mar. 1.

Kruckenberg, Franz, and F. Heyner, Heidelberg, Germany, said Heyner, assignor to said Kruckenberg. High speed railway with propeller driven streamline vehicles. 1,870,738 ; Aug. 9.

Kruckenberg, Franz, and F. Heyner, Heidelberg, Germany ; said Heyner assignor to said Kruckenberg. Railway signaling system. 1,877,245 ; Sept. 13.

Krudwig, Louis J. (See Smelik, F., and Kurdwig.)

Krueger, Albert J., Cleveland, Ohio, assignor to Camel Company, Chicago, Ill. Combined buffer and latch. 1,854,651 ; Apr. 19.

Krueger, Art, assignor to Sandel Manufacturing Co., Chicago, Ill. Table lamp or similar article. Des. 86,574 ; Mar. 22.

Krueger, August F., assignor to The Pilgrim Steam Laundry Company, Brooklyn, N. Y. Safety brake for vehicles. 1,840,960 ; Jan. 12.

Krueger, Charles E. St. Paul, Minn. Battery water level indicator. 1,887,312 ; Nov. 8.

Krueger, Frank, assignor to Pacific Can Co., San Francisco, Calif. Apparatus for drying can ends containing a sealing compound. 1,875,469 ; Sept. 6.

Krueger, Frank, and H. Douglass, assignors to Pacific Can Co., San Francisco, Calif. Apparatus for drying can ends containing a sealing compound. 1,865,020 ; June 28.

Krueger, Frank, and H. Douglass, assignors to Pacific Can Co., San Francisco, Calif. Apparatus for drying can ends containing a sealing compound. 1,891,646 ; Dec. 20.

Krueger, Frank A. C., Milwaukee, Wis. Laundry breaking table. 1,887,648 ; Nov. 15.

Krueger, Harvey H., South Bend, Ind. Tree holder. 1,859,198 ; Nov. 1.

Krueger, Henry R., Detroit, Mich., assignor to Pratt & Whitney Company, New York, N. Y. Vertical deep hole drill. 1,846,211 ; Feb. 23.

Krueger, Henry R., assignor, by mesne assignments, to Ex-Cello-O Aircraft and Tool Corporation, Detroit, Mich. Multiple drill head. 1,884,752 ; Oct. 25.

Krueger, Nicholas, assignor to East Rutherford Syringe Co., Inc., East Rutherford, N. J. Syringe attachment clamp. 1,842,352 ; Jan. 19.

Krueger, Oscar, Chicago, Ill. Signal device. 1,883,801 ; Oct. 18.

Krueger, Richard E., assignor to General Laboratories, Inc., Madison, Wis. Fluid injector. 1,875,022 ; Aug. 30.

Krueger, Richard E., assignor to General Laboratories, Inc., Madison, Wis. Fluid injector. 1,875,025 ; Aug. 30.

Krueger, Richard G., Mount Vernon, N. Y. Doll. Des. 88,799 ; Dec. 27.

Krueger, Richard H., and J. H. Oetjen, assignors to Charles Engelhard Inc., Newark, N. J. Gas analysis apparatus. 1,860,544 ; May 31.

Krueger, Richard H., Newark, N. J., and W. F. Hamilton, New York, N. Y., assignors to Charles Engelhard, Inc., Newark, N. J. Gas analysis apparatus. 1,874,549 ; Aug. 30.

Krueger, Theodore H., Putney, Stratford, Conn., assignor to Better Packages, Inc., New York, N. Y. Tape serving device. Re18,321 ; Jan. 5.

Krueger, Theodore H., Putney, Stratford, Conn., assignor to Better Packages, Inc., New York, N. Y. Tape serving device. Re18,322 ; Jan. 5.

Kruesi, Geoffrey G., Alhambra, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Radio direction finder. 1,868,945 ; July 26.

Kruesi, Geoffrey G. (See Burdick, R. V., and Krug.)

Kruger, Albert M., Newark, N. J. Perpetual calendar. 1,848,634 ; Mar. 8.

Kruger, Charles M., Litchfield, Ill. Bottle and cap therefor. 1,860,016 ; May 24.

Krüger, Hedwig O. S. (See Jaeger, Max, assignor.)

Krüger, Hermann, Karlsruhe, Germany. Method and mold for the local strengthening of the silver coating of galvanically silvered spoons and forks. 1,889,147 ; Nov. 29.

Krüger, Paul, Berlin, Germany. Parasol or umbrella. 1,858,960 ; May 17.

Krugman, Arnold H., assignor to Romec Pump Company, Elyria, Ohio. Wiper ring for reciprocating rods. 1,851,946 ; Mar. 29.

Krull, Eric, Columbus, Ga. Screw driver. 1,845,923 ; Feb. 16.

Krum, Alfred, Dusseldorf-Eller, assignor to Rheinische Metallwaaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Tripod carriage for machine guns. 1,843,393 ; Feb. 2.

Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Telegraph printer and the like. 1,857,785 ; May 10.

Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Electric selector mechanism. 1,863,225 ; June 14.

Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Keyboard mechanism for printing telegraph apparatus. 1,884,753 ; Oct. 25.

Krum, Howard L., assignor to Teletype Corporation, Chicago, Ill. Telegraph signaling system. 1,864,074 ; June 21.

Krum, Howard L., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph. 1,884,754 ; Oct. 25.

Krum, Howard L., assignor to Teletype Corporation, Chicago, Ill. Coupon printer. 1,884,755 ; Oct. 25.

Krummel, Frederic C., Brightwaters, N. Y. Shutter wing for airships. 1,885,733 ; Nov. 1.

Krupnik, Phillip, Chicago, Ill. Sign projection apparatus. 1,885,841 ; Nov. 1.

Krupp, Anton, Milwaukee, Wis., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Centrifuge. 1,841,823; Jan. 19.
Krupp, Fred H., South Gate, assignor of three-fourths to G. A. MacDonald, Los Angeles, and one-fourth to L. R. Finke, Huntington Park, Calif. Mixing and diverting valve. 1,869,889; Nov. 8.
Krupp, Fried. Aktiengesellschaft. (See Breitling, Ernst, assignor.)
Krupp, Fried. Germaniawerft Aktiengesellschaft. (See Behrens, Heinz, assignor.)
Krupp, Fried, Germaniawerft Aktiengesellschaft. (See Herbst, Friedrich.)
Krupp, Fried., Germaniawerft Aktiengesellschaft. (See Huster, Alfred, assignor.)
Kruse, Albert J., Fredericksburg, Tex. Baling press. 1,858,742; May 17.
Kruse, Otto V., St. Davids, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Check valve. 1,841,608; Jan. 19.
Kruse, Otto V., St. Davids, Pa., assignor to I. P. Morris and De La Vergne, Inc. Valve. 1,868,417; July 19.
Kruse, Peter, Brooklyn, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for processing sheets to be used in can making. 1,841,824; Jan. 19.
Kruse, Peter, Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Can testing machine. 1,873,602; Aug. 23.
Kruse, Ralph H., Pelham Manor, assignor to The Cambridge Instrument Company, Inc., Ossining, N. Y. Electrocardiograph. 1,852,402; Oct. 11.
Krusemark, Frederick A., Chicago, Ill., assignor, by mesne assignments, to The Lambert Tire and Rubber Company, Pneumatic tire. Re18,618; Oct. 11.
Krutt, Ernst, assignor of one per cent to W. A. Rappeport, New York, N. Y., forty-seven and one-half per cent to J. J. Deegan, and forty-seven and one-half per cent to M. Korzen. 1,877,711; Oct. 18.
Kryzanowsky, Constant J., Baltimore, Md. Signaling device. 1,883,971; Oct. 25.
Kryzanowsky, Constant J., Baltimore, Md., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., and H. J. Newmark, New York, N. Y. Apparatus for treating exhaust gases of internal combustion engines. 1,875,024; Aug. 30.
Krzikalla, Hand, Manheim, K. Holzach, and W. Mueller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of complex metal compounds of O-hydroxy-azo dyestuffs. 1,867,080; July 12.
Krzikalla, Hans. (See Holzbach, K., Krzikalla, and Mueller.)
Krzikalla, Hans. (See Schwen, G., and Krzikalla.)
Krzikalla, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Chromiferous azo dyestuffs. 1,840,398; Jan. 12.
Krzikalla, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,846,644; Feb. 23.
Kuberka, Frank, Virginia, Minn. Lifting hook. 1,890,734; Dec. 13.
Kubink, Henry J., Madison, Wis. Battery overcharge indicator. 1,868,322; July 19.
Kubias, Lillian R., Cedar Rapids, Iowa. Signaling device for automobiles. 1,841,826; Jan. 19.
Kubin, Gabriel, Aussig-Czechoslovakia, assignor, by mesne assignments, to Krebs Pigment and Color Corporation, New York, N. Y. Reducing the oil absorption of titanium dioxide pigments. 1,885,921; Nov. 1.
Kubin, Van J., Brea, assignor to Chiksan Oil Tool Co., Limited, Fullerton, Calif. Reamer. 1,861,702; June 7.
Kubin, Van J., Brea, assignor to Chiksan Oil Tool Co., Limited, Fullerton, Calif. Reamer. 1,877,901; Sept. 20.
Kubin, Van J., Torrance, and P. Funderburk, Huntington Beach, Calif. Rotary drill. 1,846,212; Feb. 23.
Kubin, Van J., Brea, and P. Funderburk, Fullerton, Calif., assignors to Chiksan Oil Tool Co., Limited. Drilling bit. 1,843,096; Jan. 26.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Pillar for vehicle bodies. 1,874,765; Aug. 30.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Pillar construction for closed vehicles. 1,881,693; Oct. 11.
Kubler, Johannes, Baden, Switzerland. Rectifier. 1,846,033; Feb. 23.
Kuboske, Leo. (See Whisnand, C. E., and Kuboske.)
Kucera, Fred, and R. P. Goodenbaut, Table Rock, Nebr. Variable pitch propeller. 1,846,600; Feb. 23.
Kucera, Peter P., Pittsburgh, Pa., assignor to United States Glass Company. Glassworking machine. 1,840,513; Jan. 12.
Kuchar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Vehicle and removable body therefor. 1,870,573; Aug. 9.
Kuchenbrod, Christian. (See Emmons, J. V., and Kuchenbrod.)
Kuchenbuch, Johann. (See Pungs, W., Eisenmann, and Kuchenbuch.)
Küchenmeister, Heinrich, Berlin, Germany. Film advancing appliance. 1,852,419; Apr. 5.
Küchenmeister, Heinrich J., Berlin, Germany. Selenium cell. 1,870,513; Aug. 9.
Küchenmeister, Heinrich, Berlin, Germany. Sound reproducing appliance having a film record. 1,877,731; Sept. 13.
Kucher, Joseph E., Jersey City, N. J. Mechanical pencil. 1,844,095; Feb. 9.
Kuchins, Harry L., Normandy, Mo. Kitchen cabinet. Des. 87,160; June 14.
Kuchta, Daniel M., Brooklyn, N. Y. Brick crate. 1,879,756; Sept. 27.
Kuck, Henry G., and T. J. Abele, assignors to Stuber & Kuck Co., Peoria, Ill. Covers for receptacles. 1,881,694; Oct. 11.
Kuckel, Herbert, New Orleans, La. Refrigerator construction. 1,861,123; May 31.
Kuckel, Herbert, New Orleans, La. Oven. 1,869,899; Aug. 2.
Kuckuck, Heinrich, Bremen, Germany. Ventilator. 1,864,743; June 28.
Kuczynski, Frank B., Leavenworth, Kans. Apparatus for preserving natural foodstuffs. 1,859,147; May 17.
Kuebler, Chester A., and M. A. Martin, assignors to Uniflow Manufacturing Company, Erie, Pa. Rod wiper. 1,839,231; Jan. 5.
Kuehmsted, Renfrew H. (See Borovec, J., and Kuehmsted.)
Kuehn, Harry E., Albany, N. Y. Seat. 1,873,603; Aug. 23.
Kuehn, Herman O., Detroit, Mich. Fish lure. 1,857,312; May 10.
Kuehn, Louis, assignor to Milcor Steel Company, Milwaukee, Wis. Sheet metal roofing. 1,855,357; Apr. 26.
Kuehne, Martin, Floral Park, Long Island, N. Y. Knitting machine. 1,888,321; Nov. 22.
Kuehne, William, and W. A. Murdock, Ironton, Ohio. Building ventilator. 1,855,294; Apr. 26.
Kuehner, Charles F., North Providence, R. I. Linking machine. 1,885,116; Nov. 1.
Kuehner, Herman R. (See Haring, U. G., assignor.)
Kuehner, Herman R., Laurel Springs, N. J. Umbrella holder. 1,845,881; Feb. 16.
Kuehne, Louis C., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Signal lamp. 1,846,208; Feb. 23.
Kuehne, Louis C., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Burner. 1,879,329; Sept. 27.
Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Driving unit for loud-speakers. 1,866,361; July 5.
Kuehnle, William C. (See Jones, C. L., and Kuehnle.)
Kuen, Joseph, Glenside, Pa., assignor to Builders Iron Foundry, Providence, R. I. Automatic valve shut-off. 1,871,527; Aug. 9.
Kuenhold, Otto J., Cleveland, Ohio, assignor to H. M. Sheer Company, Quincy, Ill. Regulator for gas-heated steam radiators. 1,867,849; July 19.
Kuenzler, Walter B., New York, N. Y. Radiator. 1,863,056; June 14.
Kuenzel, S H Hunter, assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Adjustable seat. 1,855,245; Apr. 26.
Kuenzler, Otto, Fairview, N. J. Mixing faucet. 1,840,961; Jan. 12.
Kuenzli, Walter A., Evansville, Ind., and Alvis Y. Dowell, Hastings on Hudson, N. Y., assignors to Servel Inc., New York, N. Y. Refrigeration. 1,878,929; Sept. 20.
Kuerschner, William, Pittsburgh, and F. A. Higerd, Bellevue, Pa., assignors to H. J. Heinz Company. Container. 1,872,981; Aug. 23.
Kuert, Ira J., Los Angeles, Calif. Elevating conveyer. 1,856,873; May 3.
Kuester, August F., Clintonville, Wis. Trailer. 1,857,758; May 10.
Kuester, August F., Clintonville, Wis. Trailer. 1,857,784; May 10.
Kuethe, Luvern L., Albert Lea, Minn. Airplane. 1,877,902; Sept. 20.
Kuffelmann, Karl, Deceased, Muhlheim-Ruhr-Heissen; Huffelmann, administratrix, assignor to H. Schroder, Essen, Germany. Coke oven. 1,855,186; Apr. 26.
Kugel, Max. (See Bruns, H., Baumann, and Kugel.)
Kugelman, Jack, Philadelphia, Pa. Stocking. Des. 86,099; Mar. 29.
Kugelman, Jack, Philadelphia, Pa. Stocking. Des. 86,610; Mar. 29.
Kugeman, William E., jr. (See Goerg, B., Zuhlke, and Kugeman.)
Kugler, Heinrich, assignor to J. Kessler and G. Fischer, Zurich, Switzerland. Guiding means for the carrier plates in match-making machines. 1,873,604; Aug. 23.
Kuhenne, Fritz, Oesterau, assignor to the Firm Brockhaus Sohne, Westfalen, Germany. Vise. 1,872,755; Aug. 23.
Kuhl, Ferdinand F., Beatrice, Nebr. Automatic doorcheck or closer. 1,873,650; Aug. 23.
Kuhl, Henry W. (See Whitehead, W., and Kuhl.)
Kuhl, John, Oakland, assignor to Standard Oil Company of California, San Francisco, Calif. Relief valve. 1,868,504; July 26.
Kuhl, Paul E. (See Nichols, H. J., jr., and Kuhl.)
Kuhlewein, Heinrich. (See Neumann, Hans.)
Kuhlke, Otto J., Akron, Ohio. Apparatus for the manufacture of golf balls. 1,855,717; Apr. 26.

Kubike, Otto J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizer. 1,844,962; Feb. 16.

Kubike, Otto J., Akron, assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Apparatus for the manufacture of laminated rubber sheeting. 1,869,011; July 26.

Kuhlman, Arthur L., Detroit, Mich. Punch attachment. 1,843,135; Feb. 2.

Kuhlman, Carl H. (See Baker, W. A., and Kuhlman.)

Kuhlman, Carl H., assignor to The American Temperature Indicating Company, Toledo, Ohio. Humidity affected teletherm ometer. 1,864,744; June 28.

Kuhlman, Carl H., assignor to The American Temperature Indicating Company, Toledo, Ohio. Switch means for teletherm ometers. 1,891,548; Dec. 20.

Kuhlman, George W., Long Island City, N. Y., assignor to The Ilg Electric Ventilating Co., Wis. Truck trailer hoist and support. 1,862,574; June 14.

Kuhlmann, Franz. (See Husy, Ernst, assignor.)

Kuhlmann, Paul Rustrugen, Germany. Drafting machine. 1,877,340; Sept. 13.

Kuhlmann, Herman H., Spokane, Wash. Supporting tray. 1,877,183; Sept. 13.

Kuhls, Ernest K., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Engine starter. 1,871,892; Aug. 16.

Kuhn, Alfred R., Queens Village, N. Y., assignor to Metropolitan Engineering Company. Radiator. 1,852,168; Apr. 5.

Kuhn, Clarence W., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Driving mechanism for valves and other devices. 1,888,274; Nov. 22.

Kuhn, Frank L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric plug. 1,876,695; Sept. 13.

Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric iron. 1,881,695; Oct. 11.

Kuhn, Frank, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Electric Iron. 1,881,696; Oct. 11.

Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Toaster. 1,886,858; Nov. 8.

Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 1,889,252; Nov. 29.

Kuhn, Frank, Jr., South Bend, Ind. Electric switch. 1,889,334; Nov. 29.

Kuhn, Gustave F. (See Janssen, Henry, assignor.)

Kuhn, Gustave L., and H. Janssen, Philadelphia, Pa. Air tight meat cooking container and processor. 1,848,729; Mar. 8.

Kuhn, Henry H., et al. (See Bushong, Ivan C., assignor.)

Kuhn, John J., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph record. Reissue. 18,474,550; Aug. 30.

Kuhn, Lee B., Brooklyn, N. Y. Match package. 1,835,246; Apr. 26.

Kuhn, Phillip A., Galveston, Tex. Aeroplane float signal. 1,860,327; May 24.

Kuhn, Richard, Heidelberg, Germany. Catalytically oxidizing hydrocarbons. 1,854,847; Apr. 19.

Kuhn, Richard, Zurich, and W. Kern, Sissach, assignors to the Firm: Society of Chemical Industry in Basle, Basel, Switzerland. Acylic dyestuffs of the polymethine series and new intermediate products therefor. 1,886,485; Nov. 8.

Kuhn, Wilfred H., Detroit, Mich. Steam trap. 1,842,410; Jan. 26.

Kuhn, William C., et al. (See Richman, Charles T., assignor.)

Kuhne, Bernhard G., Akron, Ohio. Abrading, buffing, or polishing drum. 1,885,452; Nov. 1.

Kuhne, Bernard G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mold manipulating apparatus. 1,885,360; Nov. 1.

Kühne, Friedrich A. W. (See Schnabel, E., and Kühne.)

Kühner, Otto, assignor to L. Schuler A.-G., Goppingen, Germany. Drawing press. 1,857,648; May 10.

Kühner, Otto, assignor to the Firm L. Schuler A. G., Goppingen, Germany. Die cushion for presses. 1,868,637; July 26.

Kuhni, Hans, Basel, Switzerland, assignor to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédés George Claude, Saint-Lazare, Paris, France. Apparatus for contacting liquids and gases. 1,869,757; Aug. 2.

Kuhnis, Emil. (See Klaiber, G., and Kuhnis.)

Kuhnle, Frederick C., Chicago, Ill. Plumbing fixture adapter. 1,868,865; July 26.

Kuhns, John P., Dayton, Ohio, assignor to The National Tag Manufacturing Corporation, New York, N. Y. Marking tag. 1,875,741; Sept. 6.

Kuhrt, John W., Toledo, Ohio. Window lock. 1,846,427; Feb. 23.

Kuhrts, George J., jr. (See Totman, Frank B., assignor.)

Kükenthal, Hans. (See Taube, C., and Kükenthal.)

Kukowitz, Louis J. (See Padelford, L. E., and Kukowitz.)

Kulair Corporation. (See Kusel, Abraham J., assignor.)

Kulick, Benjamin L. (See Fagel, G. J., and Kulick.)

Kulik, Emil, Brooklyn, N. Y. Diving apparatus. 1,854,906; Apr. 19.

Kulka, Eugene R., assignor to C. D. Wood Electric Co., Inc., New York, N. Y. Plug receptacle. 1,886,199; Nov. 1.

Kulka, Leo, assignor to Chrysler Corporation, Detroit, Mich. Hood rest. 1,872,467; Aug. 16.

Kull, Walter A., and H. M. Denyes, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Steering gear. 1,846,263; Feb. 23.

Kulp, Harry W. (See Dellinger, Martin C., assignor.)

Kulp, Harry W., assignor of one-half to M. C. Dellinger, Lancaster, Pa. Animal feeding device. 1,879,332; Sept. 27.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Positioning tool. 1,850,268; Mar. 22.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Valve-spring lifter. 1,862,792; June 14.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Valve-spring lifter. 1,862,793; June 14.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Wheel, gear, and the like pulling device. 1,866,654; July 12.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Valve spring lifter. 1,879,330; Sept. 27.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Wheel, gear and the like pulling devices. 1,879,331; Sept. 27.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Bushing remover. 1,879,333; Sept. 27.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Perch bolt remover. 1,879,334; Sept. 27.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Sleeve puller. 1,879,335; Sept. 27.

Kümmel, Reinhold, assignor to E. Rahm, Zurich, Switzerland. Hydraulic lifting jack. 1,859,830; May 24.

Kümmer, James E., Kansas City, Kans. Lubricant flow check. 1,878,408; Sept. 20.

Kummerer, Cyril M., Allentown, Pa. Gasoline vaporizer. 1,866,473; July 5.

Kummerer, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for transmitter tubes. 1,863,798; June 21.

Kummerer, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Grid modulated tube. 1,879,014; Aug. 30.

Kümmerle, Adolf, and E. Hildenbrand, Pforzheim, Germany. Direction indicator for cycles and the like. 1,847,115; Mar. 1.

Kumpf, August D., assignor to Berger Brothers Company, Philadelphia, Pa. Securing eaves troughs. 1,846,601; Feb. 23.

Kumpf, August D., assignor to Berger Brothers Company, Philadelphia, Pa. Trough fastener. 1,867,460; July 12.

Kumpmann, Karl, sr., Lüdenscheid, Germany. Nut tapping machine. 1,854,109; Nov. 19.

Kuna, Frank J., et al. (See Ryan, Edward J., assignor.)

Kunard, Harry, Chicago, Ill. Auto rim. 1,890,515; Dec. 13.

Kunath, Richard J., Ridgefield Park, N. J. Harness motion for looms. Re18,616; Oct. 11.

Kunath, Rudolf, Berlin-Spandau, Germany, assignor to General Electric Company. Filament feeding apparatus. 1,854,943; Apr. 19.

Kunc, Frank. (See Koepp, E., and Kunc.)

Kunc, Frank. (See Koehm, H. O., Kopp, and Kunc.)

Kunc, Frank, New Rochelle, and E. Knopp, Bronx, assignors to H. O. Boehme, Inc., New York, N. Y. Automatic telegraph keying head. 1,858,511; May 17.

Kunde, John E., Los Angeles, Calif. Electrical door operating mechanism. 1,865,925; July 5.

Kunelt, William J., assignor of fifty per cent to Emerson Manufacturing Co., San Francisco, Calif. Apparatus for and method of applying designs on textiles. 1,869,397; Jan. 5.

Kunert, Max J., assignor to Black-Sivalls & Bryson Manufacturing Company, Kansas City, Mo. Molder's flask. 1,855,521; Apr. 26.

Kunian, Paul. (See Douglas, Arthur M., assignor.)

Kunian, Paul, Minneapolis, and A. M. Douglas, St. Paul, Minn.; said Douglas assignor to said Kunian. Hair drier. 1,869,012; July 26.

Kunian, Paul, and J. Goldberg, Minneapolis, Minn.; said Goldberg assignor to said Kunian. Hair drier. 1,868,973; Oct. 25.

Kuniholm Manufacturing Company. (See Kuniholm, Martin, assignor.)

Kuniholm, Martin, assignor to Kuniholm Manufacturing Company, Gardner, Mass. Hub cap for vehicle wheels. 1,861,278; May 31.

Kunkel Manufacturing Company, Ltd. (See Brubaker, Henry J. and J. R., assignors.)

Kunkel, Richard C., Pulaski, Va., assignor to General Chemical Company, New York, N. Y. Feeding mechanism for roasting furnaces. 1,857,919; May 10.

Kunkelman, Harry C., and G. L. Becker, assignors to Ohmer Fare Register Company, Dayton, Ohio. Counter for machines. 1,875,026; Aug. 30.

Kunkely, Edward J., Bronx, N. Y. Shaker bag cap and fastener. 1,882,221; Oct. 11.

Kunkle, Bayard D., and E. F. Rossman, assignors to Delco Products Corporation, Dayton, Ohio. Link for shock absorbers. 1,863,543; June 14.

Kunkle, Bayard D., and C. H. Kindl, assignors to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,873,208; Aug. 23.
Kunkler, Clarence J., Mount Clemens, Mich. Camera lock and number indicating device. 1,888,134; Nov. 15.
Kunsman, Edward J. (See Lipscomb, R. U., and Kunsman.)
Kunst, John. (See Davis, M. A., and Kunst.)
Kunstadter, Samuel, Homewood, Ill., assignor to The Formfit Company, Chicago, Ill. Brassière. 1,841,960; Jan. 19.
Kunstdünger-Patent-Verwertungs-Aktiengesellschaft. (See Larsson, Markus, assignor.)
Künsztler, Mór, Budapest, Hungary. Duodenal or stomachal tube. 1,880,964; Oct. 4.
Kuntney, Gregory W. (See Schnuck, C. F., and Kuntney.)
Kuntz, William J., York, Pa. Lime slaker. 1,849,462; Mar. 15.
Kunz, Frank G., Houston, Tex. Sample taking device. 1,871,328; Aug. 9.
Kunz, Georg A., Frankfort-on-the-Main, Germany. Vertical tube boiler for waste heat, especially from water gas. 1,846,428; Feb. 23.
Kunz, George H. (See Roblee, M. A., and Kunz.)
Kunz, John, and J. Hammer, Richmond Hill, N. Y. Closure strip for windows. 1,885,922; Nov. 1.
Kunz, Max A. (See Wolff, H., Kunz, and Koeberle.)
Kunz, Max A., Mannheim-Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Manufacture of vat dyestuffs of the anthraquinone series. 1,881,697; Oct. 11.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of vat dyestuffs. 1,841,961; Jan. 19.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,841,962; Jan. 19.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,841,963; Jan. 19.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,841,964; Jan. 19.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,841,965; Jan. 19.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,841,966; Jan. 19.
Kunz, Max A., Mannheim, and K. Koeberle and E. Bertheld, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Bromo-N-benzanthronepyrazolanthrones. 1,846,121; Feb. 23.
Kunz, Max A., Mannheim, and K. Koeberle and E. Bertheld, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated N-benzanthronepyrazolanthrones. 1,846,122; Feb. 23.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing vat dyestuffs. 1,846,264; Feb. 23.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitrogenous vat dyestuffs. 1,855,295; Apr. 26.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinonyl-amino derivatives of benzanthronepyrazolanthrone. 1,857,553; May 10.
Kunz, Max A., Mannheim, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of nitrogenous dyestuffs. 1,859,742; May 24.
Kunz, Max A., Mannheim, K. Koeberle, and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of monoaminodibenzopyrenequinone. 1,863,662; June 21.
Kunz, Max A., Mannheim, K. Koeberle, and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substitution products of pyranthrone. 1,863,987; June 21.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated dibenzanthrone. 1,868,608; July 26.
Kunz, Max A., Mannheim, and F. Teller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Printing on textile fabrics. 1,870,516; Aug. 9.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of ms-anthradianthrones. 1,872,756; Aug. 23.
Kunz, Max A., Mannheim, K. Koeberle, Ludwigshafen-on-the-Rhine, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of monoaminoanthanthrones and derivatives thereof. 1,876,972; Sept. 13.
Kunz, Max A., Mannheim, K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Substitution products of anthanthrones. 1,876,973; Sept. 13.
Kunz, Max A., Mannheim, K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen derivatives of anthanthrones. 1,876,974; Sept. 13.
Kunz, Max A., Manheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of highly halogenated derivatives of pyranthrone. 1,876,975; Sept. 13.
Kunz, Max A., Manheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of nitrogenous isodibenzanthrones. 1,877,741; Sept. 13.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Bromination product of the dibenzanthrone series. 1,882,285; Oct. 11.
Kunz, Max A., Mannheim, G. Kraenzlein, Frankfort-Hochst-on-the-Main, and Ludwigshafen-on-the-Rhine, M. Coreli, Frankfort-Hochst-on-the-Main, E. Berthold, Ludwigshafen-on-the-Rhine, and H. Vollmann, Frankfort-Hochst-on-the-Main, Germany, assignors to General Aniline Works Inc., New York, N. Y. 1,887,812; Nov. 15.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of nitrogenous vat dyestuffs of the azine series and the products. 1,888,631; Nov. 22.
Kunz, Max A., Mannheim, and K. Koeberle, and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substitution products of dibenzopyrenequinones. 1,892,242; Dec. 27.
Kunz, Robert, Fischlbam, Austria, assignor to Firm of Eternit Inc., St. Louis, Mo. Manufacturing artificial stone plates of fibrous materials and hydraulic cement. 1,864,853; June 28.
Kunze, Walter, Berlin, Germany, assignor to Radio Corporation of America. Armature support for four pole loud speakers. 1,867,160; July 12.
Kunze, Werner, Waldmannslust, near Berlin, assignor to Firm Elektrizitätsgesellschaft "Sanitas" m. b. H., Berlin, Germany. Method of and means for recording the frequency of impulses. 1,858,332; May 17.
Kunzelmann, Edward. (See Howe, B., and Kunzelman.)
Kupec, William J. (See Kupec, F. J., and Kupec.)
Kupfer, Reinold. (See Sementiz, Christian, assignor.)
Kupfer, Reinold. (See Sementiz, C., and Loewenthal, assignors.)
Kupfer, Theodore W., Rochester, N. Y. Ash tray for automobiles. 1,863,988; June 21.
Kupferman, Oscar. (See Slady, F. W., and Kupferman.)
Kupferman, Solomon, New York, N. Y. Universal plumb level. 1,845,801; Feb. 16.
Küpmüller, Karl, Danzig-Langfuhr, Free State of Danzig and A. Jipp, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Atmospheric disturbance elimination. 1,875,027; Aug. 30.
Kupka, Johann, Vienna, Austria. Valve box for steam or like engines. 1,854,044; Apr. 12.
Küppenbender, Heinz. (See Bauersfeld, W., and Küppenbender.)
Kurath, Franz. (See Cherry, O. A., and Kurath.)
Kurath, Franz, assignor to Economy Fuse and Manufacturing Co., Chicago, Ill. Mold. 1,881,232; Oct. 4.
Kurath, Franz, assignor to Economy Fuse and Mfg. Co., Chicago, Ill. Automatic time controlled hydraulic press intensifier. 1,888,990; Nov. 29.
Kureth, Irven William. (See Patrick, H. E., and Kureth.)
Kurkjee, David, Schenectady, N. Y. Bed. 1,889,148; Nov. 29.
Kurkjian, Yervant H., Hawthorne, N. J., assignor to Carl L. Schmid, Inc., New York, N. Y. Bead forming device. 1,875,028; Aug. 30.
Kuriyama, Z. Higashichofucho, Tokyo-Fu, Japan, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric soldering iron. 1,881,698; Oct. 11.
Kurowski, Alfred G. F. (See Pitman, H. L., and Kurowski.)
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,854,338; Apr. 19.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,855,856; Apr. 26.
Kurowski, Alfred G. F., Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,856,712; May 3.
Kurowski, Alfred G. F., Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine carrying case. 1,865,636; July 5.

Kurowski, Alfred G. F., Brooklyn, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,876,696; Sept. 13.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,876,697; Sept. 13.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Copyholder. 1,878,529; Sept. 20.

Kurkowski, Joseph G., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Rail securing means. 1,883,557; Nov. 22.

Kuroyanagi, Shojajiro, Kitasanjo, Sapporo, Japan. Apparatus for manufacturing concrete pipes. 1,854,046; Apr. 12.

Kurth, Herman, Newark, N. J. Holder. 1,846,879; Feb. 23.

Kurth, Richard A., Boston, Mass. Device for operating rear trains of cars. 1,891,098; Dec. 13.

Kurtz, Alfred W., Flaxville, assignor of one-half to A. M. Hagan, Redstone, Mont. Cow-tail holder. 1,882,555; Oct. 11.

Kurtz, Claire, Baldwin, N. Y. Dress. Des. 86,243; Feb. 16.

Kurtz, Daniel W. B., jr., Columbia, Mo. Medical examiner's rubber glove and finger cot. 1,854,047; Apr. 12.

Kurtz, Daniel W. B., jr., Columbia, Mo. Cigarette wrapper and a cigarette made with said wrapper. 1,876,976; Sept. 13.

Kurtz, Daniel W. B., jr., Columbia, Mo. Ruler for use by draftsmen and others in drawing. 1,877,341; Sept. 13.

Kurtz, Henry F., Rochester, N. Y., assignor to B. L. Singley, Meadville, Pa. Indicating lamp for vehicles. 1,885,842; Nov. 1.

Kurtz, Plunkett I. (See Peterson, O. W., Keesling, and Kurtz.)

Kurtz, Ralph W., Coshocton, Ohio, assignor to James B. Clow & Sons, Chicago, Ill. Radiator. 1,856,101; May 3.

Kurtz, Stewart S., jr., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Union of rubber to metal. 1,883,871; Oct. 25.

Kurtz, Thomas, Seattle, Wash. Roller bearing journal box. 1,850,554; Mar. 22.

Kury, Philip J. (See Brewer, C. A., and Kury.)

Kurz, Erwin. (See Breitbart, H., Kurz, and Walther.)

Kurz, Guenther F. V., Seattle, Wash. Water amusement device. 1,852,357; May 3.

Kurz, Guenther F. V., Seattle, Wash. Roundabout. 1,889,253; Nov. 29.

Kurz, Hans, and K. Albert, Vienna, Austria. Ink for intaglio printing and improvement in the production of such inks. 1,890,996; Dec. 13.

Kurz, Heinrich, Duisburg-Ruhrort, Germany. Apparatus for the manufacture of rails with hardened heads. 1,858,860; May 17.

Kurz, Hermann W., assignor to the Firm Voigt & Haeffner, Aktiengesellschaft, Frankfort-on-Main, Germany. Manufacture of electric heating bodies. 1,872,148; Aug. 16.

Kurz-Kasch Company, The. (See Harrison, Myrl, assignor.)

Kurz, Otto, assignor to C. Steldinger, St. Georgen/Schwarzwald, Germany. Speed governor for gramophones. 1,866,045; July 5.

Kusch, Max, Berlin-Friedenau, Germany. Apparatus for the purification of coke water. 1,867,012; July 12.

Kusch, Roy F., assignor to W. F. Hall Printing Company, Chicago, Ill. Bookbinding machine. 1,879,757; Sept. 27.

Kusche, Walter, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Circuit arrangement for stepping switches. 1,858,832; May 17.

Kusel, Abraham J., Bridgeport, Conn., assignor to Kulair Corporation, Baltimore, Md. Refrigerating apparatus assembly. 1,847,839; Mar. 1.

Kusel, Abraham J., assignor to Bankers Thrift Corporation, Chicago, Ill. Coin bank. 1,865,864; July 5.

Kushlan, William M. and E. M. Brackett, assignors to The Brackett Stripping Machine Co., Topeka, Kans. Glue applicator. 1,876,062; Sept. 6.

Kushner, Anders S., Beccaria, Pa. Invalid bed. 1,891,599; Dec. 20.

Kushnier, Paul, Warneford, Ontario, Canada. Track alignment and tamping device. 1,871,185; Aug. 9.

Kuskin, Charles. (See Kuskin, David and C.)

Kuskin, David and C., New York, N. Y.; said C. Kuskin assignor to said David Kuskin. Windshield wiper. 1,847,091; Mar. 1.

Kuss, Ernst, and M. Guenther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of urea. 1,868,106; July 19.

Kussmaul, Walter, assignor to Chemical Works Formerly Sandoz, Basel, Switzerland. Aluminum salts of gluconic acid. 1,846,880; Feb. 23.

Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Spring support for bed bottoms and the like. 1,858,780; May 17.

Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Extensible leg for furniture. 1,860,103; May 24.

Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding leg for card tables and the like. 1,876,010; Sept. 6.

Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Hospital table. 1,883,974; Oct. 25.

Kuta, Joseph. (See Wenz, S., and Baczynski, assignors.)

Kutnar, Virgil, Greeley, Colo. Aeroplane. 1,873,651; Aug. 23.

Kuts-Keen Mfg. Co., Ltd. (See Ewing, F. E., Clunk, and Coats, assignors.)

Kutter, Leopold, Vienna, Austria. Fountain pen. 1,876,461; Sept. 6.

Küttner, Ernst W., Berlin, Germany. Process for producing an insulating coating on articles containing aluminum. 1,853,437; Apr. 12.

Kutyniak, Anton, Plainfield, N. J. Combined high-gauge micrometer. 1,883,975; Oct. 25.

Kutzschbach, Frank F. and H., Dallas, Tex. Display rack drawer. 1,841,827; Jan. 19.

Kutzschbach, Hedwig. (See Kutzschbach, F. F. and H.)

Kuwada, Gompei, Komedani-Mura, Kawabegun, Japan. Meter for gas flow. 1,881,280; Oct. 4.

Kux, Albert S., Chicago, Ill. Automatic sanding or polishing machine. 1,841,411; Jan. 19.

Kux, Albert S., Chicago, Ill., assignor, by mesne assignments, to Stakmore Co. Inc. Folding chair. 1,873,765; Aug. 23.

Kuykendall, Joseph E., San Antonio, Tex. Time switch. 1,878,637; Sept. 20.

Kuzell, Charles R. (See Ralston, O. C., and Kuzell.)

Kuzell, Charles R., assignor to United Verde Copper Company, Clarkdale, Ariz. Distributing and feeding apparatus. 1,868,905; June 21.

Kuzell, Charles R., Clarkdale, Ariz., assignor to United Verde Copper Company. Furnace charging device. 1,883,976; Oct. 25.

Kuzmeth, Andrew, South Bend, Ind. Electric switch. 1,858,243; May 17.

Kuzmics, Michal, Chicago, Ill. Spare tire support for automobiles. 1,845,292; Feb. 16.

Kvall, Sigurd, Grand Meadow, Minn., assignor to Red Top Steel Post Company, Chicago, Ill. Post puller. 1,848,426; Mar. 8.

Kvenvold, Alfred L., Albert Lea, Minn. Cattle-stanchion. 1,843,328; Feb. 2.

Kwartin, Bernard, Philadelphia, Pa. Regenerative photoelectric cell circuit. 1,880,020; Sept. 27.

Kwech, Robert E., Chicago, Ill. Blue printing. 1,877,246; Sept. 13.

Kylberg, Folke, assignor to Aktiebolaget Tonsor, Gottenborg, Sweden. Grinding apparatus. 1,886,274; Nov. 1.

Kylberg, Folke, assignor to Aktiebolaget Tonsor, Gottenborg, Sweden. Making razor blades. 1,877,758; Sept. 20.

Kyle, Gordon R., West New Brighton, Staten Island, N. Y., and B. A. Mitchell, Salt Lake City, Utah. Conveyer grizzly. 1,841,333; Jan. 12.

Kyle, Samuel C., Great Neck, N. Y. Cabin cruiser. Des. 86,320; Feb. 23.

Kyle, William D., assignor to Line Material Company, Milwaukee, Wis. Insulator. 1,873,605; Aug. 23.

Kyle, William D., assignor to Line Material Company, South Milwaukee, Wis. Electric insulator. 1,877,903; Sept. 20.

Kyler, Albert H., Westminster, Md. Machine for applying labels to cylindrical cans or the like. 1,853,063; Apr. 12.

Kyler, Albert H., Westminster, Md. Mechanism for applying labels to cylindrical cans or the like. 1,869,065; July 26.

Kyrad. (See Andrade, Raymond, assignor.)

Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of malachite green. 1,878,530; Sept. 20.

L. A. B. Company, The. (See Laughlin, William C., assignor.)

L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)

L. G. S. Devices Corporation. (See Brownlee, Dalmar T., assignor.)

L. G. S. Devices Corporation. (See Drexler, C., and Brownlee, assignors.)

L. G. S. Devices Corporation. (See Starkey, William C., assignor.)

L. G. S. Devices Corporation. (See Starkey, W. C., and Brownlee, assignors.)

L. & R. Manufacturing Company. (See Regero, Frank, assignor.)

La Precision Moderne. (See Ricordel, Auguste L., assignor.)

La Societe Anonyme des Produits Chimiques de Clamecy, (Nievre). (See Charles, Ernest A., assignor.)

Laabs, Max A., assignor to American Optical Company, Southbridge, Mass. Surfacing process and apparatus for same. 1,871,123; Aug. 9.

Lange, Emil, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, Manufacture of -naphthol. 1,879,337; Sept. 27.

Labadie, Harry H., Chicago, Ill. Carrying case. 1,841,741; Jan. 19.

Labadie, Harry H., and B. B. Beers, assignors to Knickerbocker Case Company, Chicago, Ill. Combined sample case and display stand. 1,875,431; Aug. 23.

Labant, Stephen, Palo Alto, Calif. Mop holder and handle. 1,849,147; Mar. 15.
La Bar, Bert G., Union, N. J., assignor to Westinghouse Electric & Manufacturing Company. Meter structure. 1,855,746; Apr. 26.
La Barre, Frank, Baltimore, Md. Display apparatus. 1,842,615; Jan. 26.
Labaugh, James M., Paterson, N. J., assignor to American Telephone and Telegraph Company. Telephone subscription set. 1,847,116; Mar. 1.
Labaw, Le Roy H., Belle Mead, N. J. Motor pump unit. 1,849,303; Mar. 15.
Labbe, Henri E. L., Asnieres, France, Apparatus for the automatic emptying of receptacles containing a liquid at a given temperature. 1,874,106; Aug. 30.
Labbé, Lazar, Chicopee Falls, Mass. Nonskid tire chain. 1,872,757; Aug. 23.
Labine, Roland A., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Automatically adjustable wrapping machine. 1,841,609; Jan. 19.
Labisky, Arthur H., assignor to The Barton Corporation, West Bend, Wis. Washing machine tub. Des. 87,345; July 12.
La Bieu, Charles, Los Angeles, Calif. Scraper and leveler. 1,863,861; June 21.
La Bombard, Leon E., Waltham, and M. H. Sidebotham, Newtonville, Mass., assignor to Specialty Automatic Machine Company, Chelsea, Mass. Wrapped sliced bread and making the same. 1,864,493; June 21.
Labombarde, Harold S., Nashua, N. H. Packaging machine. 1,867,538; July 12.
Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Automatic folding and stitching suit box machine. 1,854,798; Apr. 19.
Laboratories Sevigne-Pearl, Inc. (See Pearl, Azariah Y., assignor.)
Laboratory Construction Company. (See Goldfisch, Philip A., assignor.)
Laborda, Richard, Brooklyn, N. Y. Amusement apparatus. 1,854,473; Apr. 19.
La Bour, Harry E., Elkhart, Ind. Centrifugal pump. 1,847,695; Mar. 1.
La Brie, Antoine, Detroit, Mich. Piston construction. 1,855,554; Apr. 26.
La Brie, Ludger E. (See Bendix, V., and La Brie.)
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,846,123; Feb. 23.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,846,124; Feb. 23.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating mechanism. 1,848,256; Mar. 8.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,852,121; Apr. 5.
La Brie, Ludger E., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Vehicle wheel. 1,862,313; June 7.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake adjusting device. 1,865,524; July 5.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Braking system. 1,865,525; July 5.
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,865,572; July 5.
LaBrie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake operating means. 1,872,982; Aug. 23.
LaBrie, Ludger E., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Vehicle wheel. 1,872,983; Aug. 23.
LaBrie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Fluid-power operating means. 1,873,134; Aug. 23.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,029; Aug. 30.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,030; Aug. 30.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,345; Sept. 6.
La Bruyère, Pierre Remonet, assignor to Societe "Quartz & Silice," Paris, France. Mold for the manufacture of articles in silica glass and the like. 1,868,421; July 19.
Lacasse, George, and Hanrahan, R., and Lacasse, L.
LaCavera, Charles, Chicago, Ill., assignor of one-half to G. Colovos. Hat ironer. 1,881,699; Oct. 11.
La Cellulose Rosen Societe Anonyme. (See Rosén, Gotthard, assignor.)
Lacene Manufacturing Company. (See Johnston, James W., assignor.)
Lace Net Importing Co. Inc., The. (See Dognin, Jean, assignor.)
Lacey, Ernest G., Abbotsford, Victoria, Australia. Veneer press. 1,870,517; Aug. 9.
Lach, Frederick, East Orange, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Polishing. 1,857,026; Nov. 8.
Lach, Joseph, Englewood, N. J. Lather generating device. 1,888,768; Nov. 22.
Lach, Joseph S., Bridgeport, Conn. Automatic feed for arcuate articles. 1,846,645; Feb. 23.
La Chance, Donald L., Chicago, Ill. Peñholder. 1,857,460; May 10.
La Chance, Fred W., Chicago, Ill. Price posting machine. 1,890,395; Dec. 9.
Lachance, Modeste J., assignor to W. F. Stimpson, Louisville, Ky. Scale. 1,847,770; Mar. 1.
La Chapelle, Euclid L., Brockton, Mass. Lasting shoes. 1,863,752; June 21.
La Chapelle, Frank S., Seattle, Wash. Pressing machine pad. 1,844,128; Feb. 9.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,841,610; Jan. 19.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,849,253; Mar. 15.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Treating gasoline stock. 1,890,519; Dec. 13.
Lachman, Laureuce S., Forest Hills, and E. Fulda, New York, N. Y. Ribbon reel. 1,885,734; Nov. 1.
Lachman, Maurice, New York, and J. R. Tench, White Plains, N. Y. Grating. 1,868,107; July 19.
Lachman, Maurice, New York, N. Y. Skeleton reenforcement. 1,868,108; July 19.
Lachmann, Gustav, Akasaka-Ku, Tokyo, Japan, assignor to Handley Page Limited, Cricklewood, Middlesex, England. Aeroplane wing with guide blades. 1,879,338; Sept. 27.
Lachter, Saul L., Irvington, N. J. Eyeglass case. 1,881,233; Dec. 20.
Lackenbach, Armand E. (See Mihalka, A., and Wiese, assignors.)
Lackenbach, Armand E. (See Miller, William, assignor.)
Lackler, Hans, Vienna, Austria. Internal combustion engine. 1,843,877; Feb. 2.
Lackner, Alexander J., Flushing, N. Y. Paper receptacle. 1,864,835; June 28.
Lackner, Alexander J., Whitestone, N. Y. Paper receptacle. 1,864,836; June 28.
Lackner, Oscar E. (See Oster, J., and Lackner.)
Laclede Christy Clay Products Company. (See Burnet, Samuel F., assignor.)
Laclede Steel Company. (See Akin, W. M., and Young, assignor.)
Lacoste, Jean R., et al. (See Stuart, Thomas, assignor.)
La Croix, Frederick, Agawam, Mass. Paper-making apparatus. 1,866,811; July 12.
Lacroix, George U., assignor to Philip Hans Company, Inc., Hoboken, Mass. Carbon copying system. 1,865,115; June 28.
Lacroix, Henry, Geneva, Switzerland. Flexible power transmission device. 1,853,270; Apr. 12.
LaCroix, Pierre, Bauce-Flawinne, Belgium. Hydropneumatic suspension and shock-absorbing device for vehicles. 1,887,061; Nov. 8.
Lacy, Joseph W., Chester, Calif. Braking system and valve. 1,860,188; May 24.
Lacy, Rollo G. (See Winning, Roy B., assignor.)
Lacy, Roy. (See McClintock, W., and Lacy.)
Ladd, Frank C. (See Grogan, W. H., and Ladd.)
Ladd, Frank C., Dalton, assignor of one-half to F. G. Neal, Springfield, Mass. Apparatus for cleaning paper stock. 1,846,522; Feb. 23.
Ladd, John W., and H. B. Williams, Detroit, Mich., assignors, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Pasteurizing apparatus. 1,848,957; Mar. 8.
Ladd, Lester L., Lockport, Ill. Monorail conveyer for annular kilns. 1,842,411; Jan. 26.
Ladd, Lester L., Lockport, Ill. Kiln furniture. 1,879,808; Sept. 27.
Laddon, Isaac M. (See Ring, W. A., and Laddon.)
Laddon, Isaac M., Dayton, and S. P. Lyon, Tippecanoe City, Ohio, assignors to Bendix Brake Company, South Bend, Ind. Aeroplane wheel. 1,845,802; Feb. 16.
Laddon, Philip A. (See Groomes, R. R., and Laddon.)
Lade, Archibald, Northampton, assignor to B. F. Perkins & Sons, Inc., Holyoke, Mass. Rubber cutting machine. 1,878,453; Sept. 20.
Lade, Otto M., Cleveland, Ohio. Tubular clamp. 1,857,121; May 3.
Ladevèze, Félix. (See Miquel, G., and Ladevèze.)
Lady Esther Company. (See Dryden, Helen, assignor.)
Laencher, Frederick W., Elmhurst, assignor to A. Kimball Company, New York, N. Y. Tag. 1,847,487; Mar. 1.
Laencher, Frederick W., Elmhurst, assignor to A. Kimball Company, New York, N. Y. Price tag. 1,854,149; Apr. 12.
Laencher, Frederick W., Elmhurst, assignor to A. Kimball Company, New York, N. Y. Ticket and apparatus for printing it. 1,855,764; Apr. 26.
Laencher, Frederick W., Elmhurst, assignor to A. Kimball Company, New York, N. Y. Price tag. 1,855,765; Apr. 26.
Laencher, Frederick W., Elmhurst, N. Y., and J. F. Graeber, Norristown, Pa., assignors to National Tag Mfg. Company. Price tag. 1,888,598; Nov. 22.
Laengel, Henri C., assignor to Societe Anonyme Assuro, Paris, France. Fire extinguisher. 1,890,517; Dec. 13.
Laeuger, Paul, assignor to the Firm: J. R. Geigy & A., Basel, Switzerland. Manufacture of acid dyestuff of the phenonaphthosafranine series and the products. 1,850,838; Mar. 22.

Laeuger, Paul, assignor to the Firm : J. R. Geigy S. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranine series and the products. 1,850,839 ; Mar. 22.

Laeuger, Paul, assignor to the Firm : J. R. Geigy S. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranine series and the products. 1,850,840 ; Mar. 22.

Laeuger, Paul, assignor to the Firm : J. R. Geigy S. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranine series and the products. 1,850,841 ; Mar. 22.

Laeuger, Paul, assignor to the Firm : J. R. Geigy S. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranine series and the products. 1,850,842 ; Mar. 22.

Lafayette Company, Inc., The. (See Stubbs, Herbert R., assignor.)

Lafayette, Harvey E., G. Waite, and L. H. Ford, assignors to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute rip cord apparatus. 1,842,723 ; Jan. 26.

Lafferty, Arthur R., assignor to Burroughs Adding Machine Company, Detroit, Mich. Apparatus for automatically delivering articles in a uniform manner. 1,837,615 ; July 5.

Lafferty, Wheeler. (See Mennell, L. D., and Lafferty.)

Laffoon, Carthrae M., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotor ventilation for turbo generators. 1,877,904 ; Sept. 20.

Laffoon, Carthrae M., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winding for dynamo electric machines. 1,891,716 ; Dec. 20.

Lafleur, Sinai, Detroit, Mich. Hydraulic shock absorber. 1,836,365 ; July 5.

La Fon, Alphonse F., New York, N. Y. Aircraft elevating and propelling mechanism. 1,846,125 ; Feb. 23.

Lafon, Jean. (See Lafon-Lafon, R. and Lafon.)

La Fontaine, Samuel H., Union, N. J. Combination of cigarette and vanity case. Des. 88,422 ; Nov. 29.

La Force, Benoit H., Altadena, Calif. Surgical instrument. 1,879,339 ; Sept. 27.

Lafore, John A., Lower Merion Township, Montgomery County, Pa., Doctor. 1,845,716 ; Feb. 16.

La Franca, Salvatore, New York, N. Y. Pipe. 1,886,200 ; Nov. 1.

La France, Alfred, Central Falls, R. I. Rotatable drawing board and attached straight edge. 1,843,824 ; Feb. 2.

La France, David J., assignor to The Carter's Ink Company, Cambridge, Mass. Pencil. 1,845,293 ; Feb. 16.

La France, David J., assignor to The Carter's Ink Company, Cambridge, Mass. Clip for fountain pens and pencils. 1,854,747 ; Apr. 19.

La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass blowing machine. 1,878,863 ; Sept. 20.

Lagandre, John Camden, N. J. Fuse. 1,858,157 ; May 10.

La Garde, Joseph A., Seekonk, Mass. Automobile jack. 1,887,689 ; Nov. 15.

Lagarrigue, Jean. (See Nitesco, Marcel, assignor.)

La Gasse, Anthony M., assignor to S. G. Turnbull, Arlington, N. J. Bleaching soap stock. 1,890,121 ; Dec. 6.

LaGassé, Joseph N., Upper Darby, Pa. Hair dressing device. 1,852,508 ; Apr. 19.

Lager, Erick C. (See Hagg, C., and Lager.)

Lagerbäck, Per G., deceased, Stockholm, Sweden, by Gösta Gerdberg, administrator, Stockholm, Sweden. Washing machine. 1,887,813 ; Nov. 15.

Lagerblade, Herbert C., assignor to The Horton Manufacturing Company, Bristol, Conn. Golf club. 1,850,843 ; Mar. 22.

Lagerblade, Herbert C., Bristol, Conn. Golf club shaft. 1,851,059 ; Mar. 29.

Lagerblade, Herbert C., assignor to The Horton Manufacturing Company, Bristol, Conn. Making a golf shaft. 1,882,151 ; Oct. 11.

Lagerblade, Herbert C., assignor to The Horton Manufacturing Company, Bristol, Conn. Golf club. 1,882,509 ; Oct. 11.

Lagergren, Gustav M., and W. G. Coxe, deceased ; Helen B. Coxe, executrix, Wilmington, Del. Internal combustion engine. 1,852,932 ; Apr. 5.

Lagerholm, Carl J., assignor to Evans Case Company, North Attleboro, Mass. Cigar lighter. 1,857,200 ; May 10.

Lagerquist, Carl S. (See Lagerquist, Frank W. and C. S.)

Lagerquist, Frank W. and C. S., Minneapolis, Minn. Electric toaster. Des. 86,611 ; Mar. 29.

Lageson, Knute J., Minneapolis, Minn. Bait halter. 1,852,187 ; June 7.

Lagios, Nickolas G., Minneapolis, Minn. Building of dirigible aircraft design. Des. 86,617 ; Mar. 29.

La Grande, Frank, Cortesville, N. J., assignor, by mesne assignments, to Paramount Public Corporation, New York, N. Y. Title stand. 1,845,294 ; Feb. 16.

LaGrant, John F., et al. (See Lieske, Frank J., assignor.)

LaGuesse, Fernand, Herstal, Belgium. Two-stroke engine block. 1,876,977 ; Sept. 13.

La Hache, Sam L., and F. B. Monar, Washington, D. C. Radio power installation. 1,856,568 ; May 3.

Laher Auto Spring Co. (See Marco, Fred W., assignor.)

Lahey, Frank T., Monroe, N. Y. Laminated plastic material. 1,861,663 ; June 7.

Lahey, Maurice S. (See Lahey, William F. and M. S.)

Lahey, William F. and M. S., New Canaan, Conn. Storm window construction. 1,874,704 ; Aug. 30.

Lahn, Harald. (See Gundersen, Einar.)

La Hodny, William, assignor to Standard Mirror Company Inc., Buffalo, N. Y. Mirror bracket. 1,845,090 ; Feb. 16.

LaHodny, William, assignor to Standard Mirror Company, Buffalo, N. Y. Combined mirror and instrument. 1,884,756 ; Oct. 25.

LaHodny, William, assignor to Standard Mirror Company, Buffalo, N. Y. Combined mirror and instrument. 1,884,757 ; Oct. 25.

LaHodny, William, assignor to Standard Mirror Company, Buffalo, N. Y. Combined mirror and instrument. 1,884,759 ; Oct. 25.

LaHodny, William, and P. Bertell, assignors to Standard Mirror Company, Buffalo, N. Y. Combined mirror and instrument. 1,884,758 ; Oct. 25.

Lahr, Herbert H. (See Dennison, Louis H., assignor.)

Lahti, Aimo J., Jyvaskyla, Finland. Cartridge case. 1,867,513 ; July 12.

Lahti, Aimo J., Jyvaskyla, Finland. Trigger device for firearms. 1,887,690 ; Nov. 15.

Laing, Arthur J., Dearborn, Mich. Junction box. 1,859,926 ; July 5.

Laing, Bertha V., Dearborn, Mich., assignor to Laing and Company. Sewing kit. 1,881,700 ; Oct. 11.

Laing, Bryan. (See Nielson, H. and Laing.)

Laing, Clayton, Chicago, Ill. Diaphragm for sound recording and reproducing devices. 1,876,306 ; Sept. 6.

Laing and Company. (See Laing, Bertha V., assignor.)

Laing, Edward M., Highland Park, Ill. Top dressing machine. 1,859,625 ; May 24.

Laing, Edward M., Highland Park, Ill. Golf ball washer. 1,859,626 ; May 24.

L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des procédés Georges Claude. (See Gobert, Maurice, assignor.)

L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. (See Kubni, Hans, assignor.)

L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. (See Lantz, Henri, assignor.)

L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. (See Picard, Charles, assignor.)

Laird, Eversleigh R., Brockton, assignor to United Shank & Findings Company, Boston, Mass. Manufacturing shank pieces. 1,882,020 ; Oct. 11.

Laird, George S., assignor to Laird, Schober & Co., Philadelphia, Pa. Shoe vamp. Des. 86,612 ; Mar. 29.

Laird, John E., Matawan, N. J. Bottle or similar article of manufacture. Des. 85,845 ; Dec. 26.

Laird, Schober & Co. (See Laird, George S., assignor.)

Laird, Warren C., Algona, Iowa. Starch pan for wringers. 1,852,304 ; Oct. 11.

Laird, Wilbur G., New York, assignor, by mesne assignments, to Heat Treating Company, New York, N. Y. Process and apparatus for the treatment of substances with heat. 1,842,079 ; Jan. 19.

Laird, Wilbur G., Pleasantville, assignor, by mesne assignments, to Heat Treating Company, New York, N. Y. Process and apparatus for distillation. 1,842,180 ; Jan. 19.

Laird, Wilbur G., assignor, by mesne assignments, to Heat Treating Company, New York, N. Y. Apparatus for and method of distillation. 1,842,181 ; Jan. 19.

Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Gas and liquid contact apparatus. 1,858,188 ; May 10.

Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Process and apparatus for the fractional distillation of oil. 1,873,135 ; Aug. 23.

Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Preventing corrosion in oil refining equipment. 1,873,136 ; Aug. 23.

Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Bubbler cap construction. 1,873,137 ; Aug. 23.

Laise, Clemens A., North Bergen, N. J., assignor to Eisler Electric Corporation, Newark, N. J. Refractory material. 1,842,103 ; Jan. 19.

Laise, Clemens A., North Bergen, N. J., assignor to Eisler Electric Corporation, Wilmington, Del. Electrical contact. 1,891,050 ; Dec. 13.

Laise, Clemens A., Tenafly, assignor to Callite Products Company, Incorporated, Union City, N. J. Refractory composition. 1,858,244 ; May 17.

Laise, Clemens A., Tenafly, assignor to Callite Products Company, Incorporated, Union City, N. J. Refractory composition. 1,858,300 ; May 17.

Laisne, Leon, Nantes, France. Motor vehicle. 1,877,332 ; Sept. 13.

Laisure, William V., Los Angeles, Calif. Arch restorer. 1,852,660 ; Apr. 5.

Lait, Arthur E. (See Lane, P., and Lait.)

Lake, Albert H., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,867,270 ; July 12.

Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Accounting machine. 1,856,418 ; May 3.

Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Electric key punch. 1,878,930; Sept. 20.

Lake, Clarence D. (See Donovan, N. L., and Lake.)

Lake, David, Cleveland Heights, assignor to Automatic Clutch & Machine Co., Inc., Cleveland, Ohio. Clutch. 1,853,908; Apr. 12.

Lake Erie Chemical Company, The. (See Briegeman, Frank J., assignor.)

Lake Erie Chemical Company, The. (See Goss, Byron C., assignor.)

Lake Erie Chemical Company, The. (See Spring, Alva F., assignor.)

Lake, Francis W., Whittier, Calif. Computing and recording dynamometer and stroke meter. 1,889,730; Nov. 29.

Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Computing dynamometer and stroke meter with motor driven recording means. 1,877,467; Sept. 13.

Lake, George B., New Brunswick, N. J. Milk bottle. 1,886,698; Nov. 8.

Lake, Harold A., Gettysburg, S. Dak. Grain sieve. 1,852,420; Apr. 5.

Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Heating system. 1,843,566; Feb. 2.

Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Antisiphon valve. 1,860,017; May 31.

Lake, John W., St. Louis, Mo. Shoe counter. 1,887,935; Nov. 15.

Lake, M. E., et al. (See Brice, John T., assignor.)

Lake, Milton S., Dallas, Tex. Speed boat. 1,840,725; Jan. 12.

Lake, Ross A., assignor to Teletype Corporation, Chicago, Ill. Mechanism for feeding and aligning multiple printed forms. 1,876,760; Oct. 25.

Lake, Simon, Milford, Conn. Submarine elevator or escape buoy. 1,843,613; Feb. 2.

Lake, Simon, Milford, Conn. Submarine or submersible boat. 1,864,837; June 28.

Lake, Thomas A. E., Milford, Conn. Pontoon-hydroplane boat. 1,846,062; Feb. 23.

Lake, Thomas A. E., Milford, Conn. Flying machine. 1,890,059; Dec. 6.

Lake, William B., Mount Place, Braintree, England. Brake. 1,860,735; Dec. 13.

Lakenbach, Daniel, New York, N. Y. Hair waving means. Re18,346; Feb. 2.

Lakewood Engineering Company, The. (See Carr, Edward G., assignor.)

Lalance & Grosjean Manufacturing Company. (See Burwen, Bertram, assignor.)

Lalie, Helen, Brooklyn, N. Y. Shampoo board. 1,863,860; June 21.

Lalique, René, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill. Bottle or similar article. Des. 86,033; Jan. 19.

Laliique, René, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill. Bottle or similar article. Des. 86,244; Feb. 16.

Lall, Domonic, Youngstown, Ohio. Automobile pump. 1,884,928; Oct. 25.

La Lux Manufacturing Company. (See Underwood, Western, assignor.)

Lam, Wah, Honolulu, Hawaii. Plant propagating device. 1,868,609; July 26.

Lamar, David A., Fairmont, W. Va. Electric impact motor. 1,851,856; Mar. 29.

La Mar, Frank C., New York, N. Y. Fuse. 1,845,756; Feb. 16.

La Mar, Frank C., New York, N. Y., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable fuse. 1,858,902; May 17.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Fuse. 1,860,313; May 24.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Electric fuse. 1,866,536; July 12.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Fuse indicator. 1,868,464; July 19.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Fuse indicator. 1,868,465; July 19.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Fuse indicator. 1,876,426; Sept. 6.

Lamar, R. F., and Company. (See Lamar, Ralph F., assignor.)

Lamar, Ralph F., assignor to R. F. Lamar and Company, Pueblo, Colo. All-metal slide. 1,888,350; Nov. 22.

Lamarque, Abril, Floral Park, assignor to Dell Publishing Co., Inc., New York, N. Y. Paper sheet or similar article. Des. 86,725; Apr. 12.

Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll support. 1,859,301; May 24.

Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Folder for web printing machines. 1,868,109; July 19.

Lamb, Arthur B., Cambridge, Mass. Device for detecting methyl chloride. 1,864,544; June 28.

Lamb, Carl J., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bi-metal packing. 1,857,961; May 10.

Lamb, Charles. (See Radford, D. R., and Lamb.)

Lamb, Charles, Los Angeles, Calif. Hose and coupling assembly. 1,847,218; Mar. 1.

Lamb, Charles, Los Angeles, Calif. Plumbing tool for oil-wells. 1,860,932; May 31.

Lamb, Charles, Los Angeles, Calif. Pump piston. 1,889,178; Nov. 29.

Lamb, Charles A., Los Angeles, Calif. Wear preventer. 1,854,339; Apr. 19.

Lamb, Charles, D. R. Redford, and C. H. Riley, Los Angeles, Calif. Wear preventer for drill pipe. 1,889,806; Dec. 6.

Lamb, Dorr L., Marshalltown, Iowa. Connecting collar for furnaces. 1,859,682; Jun. 5.

Lamb, Frank C., Los Angeles, Calif. Motor vehicle brake. 1,887,936; Nov. 15.

Lamb, Harold T. (See Miller, William, and Lamb.)

Lamb, Harry, and T. A. Fee, Jr., assignors to Illum Incorporated, Seattle, Wash. Device for dispersing a fluid through a viscous liquid. 1,848,531; Mar. 8.

Lamb, Herbert W., assignor to Line-O-Scribe Incorporated, Adrian, Mich. Display card holder. 1,852,315; Apr. 5.

Lamb, Howard S., assignor to The Cold Metal Process Company, Youngstown, Ohio. Heat treating strip material. 1,870,577; Aug. 9.

Lamb, James C., Warsaw, Va. Radiator truck. 1,890,390; Dec. 6.

Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Coffee percolator and the like. 1,857,554; May 10.

Lamb, Oliver G., Burke, Idaho. Smoke purifier and condenser. 1,849,876; Mar. 15.

Lamb, Porter P., Detroit, Mich. Collapsible tube closure. 1,862,794; June 14.

Lamb, Richard F., Lawrence, Mass. Combination hook and cutter. 1,855,975; Apr. 26.

Lamb, Thomas B., New York, N. Y., assignor to Agfa Ansco Corporation, Binghamton, N. Y. Camera. Des. 86,846; Apr. 26.

Lamb, Walter T., Alpine, assignor of one-half to H. Johnson, San Diego, Calif. Holder for roadway pavement expansion means. 1,870,644; Aug. 9.

Lambach, Wilhelm, Barmen-Langerfeld, Germany. Pot with signal whistle for boiling milk in steam baths. 1,853,438; Apr. 12.

Lambert, Albert J., Narberth, Pa., assignor to Heintz Manufacturing Company. Air cooling cabinet and preventing condensation of moisture thereon. 1,870,460; Aug. 9.

Lambert, Albert L., Philadelphia, Pa., assignor to Heintz Manufacturing Company. Refrigerated display cabinet. 1,874,551; Aug. 30.

Lambert, Chandley W., Cleveland, Ohio. Automatic propeller pitch changer. 1,874,053; Aug. 30.

Lambert, Charles P., Grosse Pointe, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Apparatus for starting and maintaining vaporization of liquid fuel. 1,853,509; Apr. 12.

Lambert, Charles F., Grosse Pointe, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Fuel supply and control apparatus for gasoline stoves. 1,853,732; Apr. 12.

Lambert, Charles F., assignor, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Method and apparatus for preheating liquid fuels and maintaining a combustible mixture after initial vaporization. 1,879,928; Sept. 27.

Lambert, Charles F., Grosse Pointe Farms, assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Tire cover for spare tires. Des. 88,800; Dec. 27.

Lambert, Charles F., Grosse Pointe Farms, assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Tire cover for spare tires. Des. 88,801; Dec. 27.

Lambert, Edmond H., Pasadena, Calif., and R. L. Skinner, E. Geertz, and P. Williams, assignors to Skinner Automotive Device Co., Inc., Detroit, Mich. Impure oil recleaner. 1,837,461; May 10.

Lambert, Fred, jr. (See Smith, William A., assignor.)

Lambert, George, Norwich, Conn. Loading attachment for trucks. 1,892,243; Dec. 27.

Lambert, Gustaf B., Stockholm, Sweden. Measuring device for workholders. 1,865,927; July 5.

Lambert, Howard T., deceased, Johnstown, Pa.; Ira G. Lambert, executor. Tire deflation signal. 1,878,411; Sept. 20.

Lambert, Ira G., executor. (See Lambert, Howard T.)

Lambert, James H. (See Peck, L. C., and Lambert.)

Lambert, John W., Philadelphia, Pa., assignor, by mesne assignments, to B. Walker, New York, N. Y. Wheel. 1,870,588; Mar. 22.

Lambert, John W., Anderson, Ind. Lawn broom. 1,870,739; Aug. 9.

Lambert, Joseph B., Highland Park, assignor to Standard Oil Company, Chicago, Ill. Container with removable cover. 1,854,993; Apr. 19.

Lambert, Joseph V., Milwaukee, Wis. Pulley and shaft coupling. 1,843,567; Feb. 2.

Lambert, Kenneth B., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing system. 1,848,134; Mar. 8.

Lambert, Louis F., Coatesville, Pa. Mushroom. Pl. Pt. 27; Sept. 20.
Lambert, Marion, Inc. (See Barbiers, Ferdinand S., assignor.)
Lambert Pharmacal Company. (See Nash, Ben, assignor.)
Lambert, Raymond H., assignor to Eastman Kodak Company, Rochester, N. Y. Making photographic emulsions. 1,844,716; Feb. 9.
Lambert, Thomas M. (See Millerchip, J., and Lambert.)
Lambert Tire and Rubber Company, The. (See Krusemark, Frederick A., assignor.)
Lambert, William C., Ironton, Ohio. Combined chin rest and pipe support. 1,881,701; Oct. 11.
Lamberth, Ray L., assignor to The Mid West Chandelier Company, Kansas City, Mo. Light fixture. Des. 86,461; Mar. 8.
Lamberth, Ray L., assignor to The Mid West Chandelier Company, Kansas City, Mo. Light fixture. Des. 86,462; Mar. 8.
Lambertz, Gustav, assignor to C. Still, Recklinghausen, Germany. Coke oven. 1,888,926; Nov. 22.
Lambert, Wilhelm. (See Neelmeier, W., and Lamberg.)
Lamblin-Parent, Gustave A. M., Lille, France. Cover glass lens for headlights. Des. 87,842; Sept. 27.
Lamblin-Parent, Gustave A. M., Lille, France. Cover glass lens for headlights. Des. 87,843; Sept. 27.
Lamborn, George H., Chicago, Ill., assignor to Louisville Frog, Switch & Signal Company. Switch point rail. 1,863,489; June 14.
Lamborn, George H., Chicago, Ill., assignor to Louisville Frog, Switch & Signal Company. Switch point rail. 1,863,490; June 14.
Lamborn, George H., Chicago, Ill., assignor to Louisville Frog, Switch & Signal Company. Switch point rail. 1,863,491; June 14.
Lambot, Maurice, Forest-Brussels, Belgium. Continuous process for the treatment of iron and other ores. 1,885,923; Nov. 1.
Lambourn, Leonard J., Fort Dunlop, Erdington, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Abrasion testing machine. 1,866,537; July 12.
Lamer, Louis, Ramsey, N. J. Plate glass store front construction. 1,845,610; Feb. 16.
Lamer, Louis, Ramsey, N. J. Store front construction. 1,858,787; Dec. 13.
Lamiell, Earld C., assignor, by mesne assignments, to The Farm Specialty Company, Greenwich, Conn. Transplanter. 1,878,412; Sept. 20.
Laminating Patents Corporation. (See Dike, Theodore W., assignor.)
Laminating Patents Corporation. (See Dike, T. W., Laird, and Cone, assignors.)
Lammedee, John M., Morgan Park, Ill. Gauge. 1,874,765; Aug. 30.
Lammerth, Philip E., Chicago, Ill. Folder-separator. 1,866,812; July 12.
Lamoglin, Miguel A., Cienfuegos, Cuba. Pencil. 1,849,936; Mar. 15.
Lamond, John, Allison Park, Pa. Threading tool. 1,881,281. Oct. 4.
Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Mooring apparatus. 1,862,409; June 7.
La Mondiale Typolitho. (See Hávard, Alexandre, assignor.)
La Mont Corporation. (See Herpen, August-Theodor, assignor.)
La Mont Corporation. (See La Mont, Walter D., assignor.)
Lamont, John A. (See Hahn, F. W., and Lamont.)
La Mont, Walter D., Larchmont, assignor to La Mont Corporation, New York, N. Y. Heat exchange apparatus. 1,850,281; Mar. 22.
La Mont, Walter D., Larchmont, N. Y., assignor to La Mont Corporation. Steam generator. 1,860,363; May 31.
La Mont, Walter D., Larchmont, N. Y., assignor to La Mont Corporation. Multiple steam generator with common water circulation. 1,860,364; May 31.
La Mont, Walter D., New Rochelle, assignor to La Mont Corporation, New York, N. Y. Steam generation. 1,866,893; July 12.
La Mont, Walter D., North Colebrook, Conn., assignor to La Mont Corporation, New York, N. Y. Apparatus for generating steam. 1,884,979; Oct. 25.
La Montagne, Patrick P., and T. W. Prosser, assignors to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery drying structure. 1,848,486; Mar. 8.
Lamoree, James K. (See Evans, A. D., and Lamoree.)
Lamothe, Paul H., Jersey City, N. J. Liquid treatment comb. 1,852,617; Apr. 5.
Lamp Studio, The. (See Moore, Gladys, assignor.)
Lampart, Hugo, assignor to Berlin-Karlsruher Industrie-Werke A. G., Karlsruhe, Germany. Making spinning bobbins. 1,848,786; Mar. 8.
Lampe, Ferdinand, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the low temperature carbonization of oil-bearing materials. 1,842,906; Jan. 26.
Lampert, Henry H., Chicago, Ill. Adjusting tool for tie elements. 1,841,742; Jan. 19.
Lampert, Lydia, Chicago, Ill. Bar support and spacer. 1,841,743; Jan. 19.
Lampert, Lydia, assignor to Universal Form Clamp Co., Chicago, Ill. Bar support and spacer. 1,850,400; Mar. 22.
Lampert, Lydia, assignor to Universal Form Clamp Co., Chicago, Ill. Bar support and spacer. 1,850,401; Mar. 22.
Lampert, Lydia, assignor to Universal Form Clamp Co., Chicago, Ill. Form tie for wall structures. 1,850,402; Mar. 22.
Lampert, Lydia, assignor to Universal Form Clamp Co., Chicago, Ill. Bar support and spacer. 1,871,809; Aug. 16.
Lamping, Harry, Newport, Ky., assignor to The Higgin Manufacturing Company, Newport, Ky. Weather stripping for metal sashes. 1,879,340; Sept. 27.
Lampl, Alfred, Berlin-Halensee, Germany, assignor to Noma Electric Corporation of New York, New York, N. Y. Supplemental resistance for serially-mounted lamps. Re18,495; June 14.
Lampl, Alfred, Berlin, Germany, assignor to Noma Electric Corporation, New York, N. Y. Electric resistance. 1,878,153; Sept. 20.
Lamplough, Leslie F. (See Cherry, G. L., and Lamplough.)
Lampman, Howard A. (See Leuchner, Karl, assignor.)
Lamprecht, Rudolph. (See Coleman, William F., assignor.)
Lamson Company, The. (See Anderson, Andrew P., assignor.)
Lamson Company, The. (See Bauer, John A., assignor.)
Lamson Company, The. (See Borman, Tony, assignor.)
Lamson Company, The. (See Cowley, J. T., and Allen, assignors.)
Lamson Company, The. (See Glahn, Otto M., assignor.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Lamson Company, The. (See Jennings, C. S., and Allen, assignors.)
Lamson Company, The. (See Jennings, C. S., and Mac-Martin, assignors.)
Lamson Company, The. (See Keller, H. C., and Van Billard, assignors.)
Lamson Company, The. (See Landers, Marsden H., assignor.)
Lamson Company, The. (See Marcy, Willard A., assignor.)
Lamson Company, The. (See Regan, John E., assignor.)
Lamson Company, The. (See Taisey, Fred R., assignor.)
Lamson, Horatio W., Arlington, assignor to General Radio Company, Cambridge, Mass. Sound ranging system. 1,874,196; Aug. 30.
Lamson, Horatio W., Arlington, Mass., assignor to The Texas Company, New York, N. Y. Radio compass. 1,883,802; Oct. 18.
Lamson Paragon Supply Company Limited. (See Bain, R. L., and Nelson, assignors.)
Lamstein, Irving, Brooklyn, N. Y. Test tube heating apparatus. 1,865,472; July 5.
Lamy, Georges, assignor to Claude Neon General Advertising Limited, Montreal, Quebec, Canada. Housings and mountings for the electrode chambers of luminescent tubes and the like. 1,896,617; Dec. 13.
Lanair Company. (See Millner, James A., assignor.)
Lancaster Asphalt, Inc. (See Forbes, Duncan D., assignor.)
Lancaster Asphalt, Inc. (See Robinson, Thomas, assignor.)
Lancaster Iron Works, Inc. (See French, William E., assignor.)
Lancaster Iron Works, Inc. (See Luce, Grafton E., assignor.)
Lancaster Iron Works, Inc. (See Martin, James P., assignor.)
Lancaster, Jackson G. (See Denton, Joe K.)
Lancaster, Noah T., Gastonia, N. C. Hedge and lawn mower. 1,892,620; Dec. 27.
Lancaster, Llewellyn C., Conrad, Mont. Damper. 1,891,600; Dec. 20.
Lance, Henry G., assignor to D. E. Knowlton, Buffalo, N. Y. Hand truck. 1,860,810; May 31.
Lance Packing Company, The. (See Knee, Aaron A., assignor.)
Lancellotti, Anthony, New York, N. Y. Magazine shaving brush. 1,858,452; May 17.
Lancia, Vincenzo, Turin, Italy. Mounting wheels in vehicles. 1,842,273; Jan. 19.
Lanctot, Adolph, Des Plaines, and E. Sperisen, Chicago, Ill. Magnetic pump. 1,888,322; Nov. 22.
Land, Arthur A. G., Chicago, Ill. Triangular-mesh wire fabric. 1,847,771; Mar. 1.
Land, Arthur A. G., Chicago, Ill. Mesh-sectioned wire fabric. 1,859,831; May 24.
Land, Arthur A. G., Chicago, Ill. Chain-link wire fabric. 1,885,361; Nov. 1.
Land, Arthur A. G., Chicago, Ill. Chain-link wire fabric. 1,885,362; Nov. 1.
Land, Arthur A. G., Chicago, Ill. Chain link wire fabric. 1,890,224; Dec. 6.
Land, Arthur A. G., Chicago, Ill. Wire mesh fabric. 1,891,992; Dec. 27.
Land, George E., Pittsburgh, assignor, by mesne assignments, to M. H. Marks, Sewickley, Pa. Plaster base. 1,853,810; Apr. 12.

Land, George E., Pittsburgh, assignor, by mesne assignments, to M. H. Marks, Sewickley, Pa. Base for plastic materials. 1,853,363; Apr. 12.

Land, George E., Pittsburgh, assignor, by mesne assignments, to Mary H. Marks, Sewickley, Pa. Reenforcing base for plastic material. 1,872,985; Aug. 23.

Land, Ross F., Milton, Fla. Bottle napkin holder. 1,859,099; Dec. 15.

Land, Sidney R., Seattle, Wash. Sugar dispensing container. 1,845,981; Feb. 16.

Landau, Henry B., Flushing, assignor to General Chemical Company, New York, N. Y. Machine for making wax bottles. 1,875,031; Aug. 30.

Landau, Jacob, Jersey City, N. J. Bracket device. Re14,490; June 14.

Landauer, J., Incorporated. (See Bolandi, Raphael, assignor.)

Landau, Bernard, Oakland, Nebr. Iceless cooler. 1,856,919; May 3.

Landenberger, Henry W., assignor to American Fluid Motors Company, Philadelphia, Pa. Pressure control system. 1,855,060; Apr. 19.

Landenberger, Henry W., assignor to American Fluid Motors Company, Philadelphia, Pa. Rotary pump. 1,872,662; Sept. 20.

Landenberger, Henry W., and H. W. Link, assignors to American Fluid Motors Company, Philadelphia, Pa. Control system for trains. 1,863,448; June 14.

Landenberger, William H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,869,900; Aug. 2.

Lander, Robert, et al. (See Bolt, Ernest A., assignor.)

Lander, Walter J., Exmouth, England. Construction of bicycles. 1,849,937; Mar. 15.

Landers, Charles H., Landers, assignor to General Motors Corporation, Detroit, Mich. Work holding means for turning machines. 1,883,977; Oct. 25.

Landers, Frary & Clark. (See Anderson, O. M., and Juengst, assignors.)

Landers, Frary & Clark. (See Carlson, Frederick E., assignor.)

Landers, Frary & Clark. (See Curtiss, George E., assignor.)

Landers, Frary & Clark. (See Juengst, F. W., and Anderson, assignors.)

Landers, Frary & Clark. (See Lamb, J. F., assignor.)

Landers, Marsden H., assignor to The Lamson Company, Syracuse, N. Y. Central station apparatus. 1,842,679; Jan. 26.

Landgraf, Frederick K., Crafton, assignor to Flannery Bolt Company, Pittsburgh, Pa. Thermostat. 1,883,978; Oct. 25.

Landgraf, Jacob T., and R. G. Miller, assignors to J. W. Miller Co., Rockford, Ill. Brooder heater. 1,875,032; Aug. 30.

Landis & Gyr, A.-G. (See Frohlich, H., and Hausch, assignors.)

Landis & Gyr, A.-G. (See Hausch, Theodor, assignor.)

Landis & Gyr, A. G. (See Indergand, Joseph, assignor.)

Landis & Gyr, A. G. (See Koenig, Warner, assignor.)

Landis & Gyr, A.-G. (See Mettler, Adolf, assignor.)

Landis & Gyr, A.-G. (See Ogurkowski, Georg, assignor.)

Landis & Gyr, A.-G. (See Peter, Adolf, assignor.)

Landis & Gyr, A.-G. (See Rebeiko, Ricard, assignor.)

Landis & Gyr, A.-G. (See Vannini, Philipp, assignor.)

Landis & Gyr A-G. (See Wenk, Juan, assignor.)

Landis, Jesse A., Eaton, Ohio. Dental floss holder. 1,859,788; Dec. 15.

Landis, Leonidas L., and E. G. Sauer, Lima, Ohio. Christmas tree holder. Des. 88,302; Nov. 15.

Landis Machine Company. (See Goellner, Joseph J., assignor.)

Landis Machine Company. (See Newman, Samuel F., assignor.)

Landis Machine Company. (See Shearer, H. T., and Reimschissel, assignors.)

Landis, Paul, Zurich, Switzerland. Internal combustion engine. 1,858,365; May 17.

Landis Tool Company. (See Balsiger, Harold E., assignor.)

Landis Tool Company. (See Ott, C. L., and Balsiger, assignors.)

Landis Tool Company. (See Steiner, A. P., and Balsiger, assignors.)

Landmesser, William H., Salt Lake City, Utah. Novelty toy or similar article. Des. 87,395; July 19.

Lando, Harry, Chicago, Ill., assignor to W. W. Chambreau, Washington, D. C. Display device. 1,855,522; Apr. 26.

Landolt, Albert, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Cellulosic materials and making same. 1,878,783; Sept. 20.

Landon, Jesse, assignor of one-sixth to W. L. Crumrine, Lima, Ohio. Hardening and tempering metal. 1,851,320; Oct. 4.

Landon, Lawrence E., Tacoma, Wash. Display card. 1,868,110; July 19.

Landon, Lee B., Elwood, Ind., assignor to American Sheet and Tin Plate Company. Counting mechanism. 1,865,321; June 28.

Landrum, John P., assignor of one-half to P. R. McCormack, Birmingham, Ala. Variable pitch propeller. 1,871,124; Aug. 9.

Landrum, Rose, El Paso, Tex. Hair curling device. 1,867,850; July 19.

Landry, George L. (See Heil, J. P., and Landry.)

Landsberger, Lenore K., New York, N. Y. Hat. 1,845,757; Feb. 16.

Landsi Machine Company. (See Dunford, Ernest, assignor.)

Landsidel, Walter W., Cincinnati, Ohio, assignor to Remington Rand Inc., Tonawanda, N. Y. Paper carriage escapement disabling mechanism. 1,854,748; Apr. 19.

Landsiedel, Walter W., Cincinnati, Ohio, assignor to Remington Rand Inc., Tonawanda, N. Y. Automatic carriage returning means. 1,853,979; Oct. 25.

Landy, Gustave, and H. L. Becker, Trenton, assignors to The Agassote Millboard Company, Fanwood Road, N. J. Pulp board. 1,860,466; May 31.

Landvoigt, Thomas E., Westmount, assignor to National Radiator Corporation, Johnstown, Pa. Heater construction. 1,850,678; Mar. 22.

Landwehr, Richard F. (See Kasdan, N., and Landwehr.)

Landwehr, Richard F. (See Kasdan, N., Landwehr, and Pollack.)

Landwehr, Richard F., and N. M. Lurrain, New York, N. Y.; said Landwehr assignor to said Lurrain. Stand for flexible posters. 1,842,274; Jan. 19.

Lane, Alfred M., assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Metal weather strip. 1,870,173; Aug. 30.

Lane, Aubrey R., assignor to A. Finkl & Sons Company, Chicago, Ill. Forged dipper tooth. 1,890,997; Dec. 13.

Lane, Charles F., San Jose, Calif. Rodent feeder. 1,890,391; Dec. 6.

Lane, Charles K., Rockland, Mass. Athletic supporter. 1,858,610; July 19.

Lane, Clarence E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial larynx. 1,840,112; Jan. 5.

Lane Company, The. (See Loftin, Lawrence K., assignor.)

Lane, Edwin, et al. (See Hamilton, Charles E., sr., assignor.)

Lane, Elmer Z., Mechanic Falls, Maine, assignor to American Telephone and Telegraph Company. Broad-band audio-amplifier. 1,868,579; July 26.

Lane, Francis J., Lynn, Mass., assignor to General Electric Company, Protective arrangement. 1,890,331; Dec. 6.

Lane, Frank, Mansfield, Ohio. Sheet metal structure. 1,870,914; Aug. 9.

Lane, Frederick H. (See Hayes, C., Madge, and Lane.)

Lane, George, New Haven, Conn., assignor to Audio Cinema, Bronx, N. Y. Apparatus for the visual recordation of sound beats. 1,879,694; Sept. 27.

Lane, George S., Passaic, N. J., assignor to Raybestos-Manhattan, Inc. Clutch. 1,872,986; Aug. 23.

Lane, George S., San Anselmo, Calif., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Clutch or brake mechanism. 1,883,981; Oct. 25.

Lane, George S., San Anselmo, assignor to Wallace Sheehan, San Francisco, Calif., trustee. Friction disk for clutches, brakes, and the like. 1,892,232; Dec. 27.

Lane, George W., Clifton, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Method of and apparatus for drying cloth. 1,896,030; Nov. 1.

Lane, George W., Boulder, assignor of one-fourth to D. V. Tribby, Denver, Colo. Tool. 1,889,556; Nov. 29.

Lane, Gerould T., assignor to Eastman Kodak Company, Rochester, N. Y. Sized paper and making same. 1,840,399; Jan. 12.

Lane, Harold. (See Woodcock, R. B., and Lane.)

Lane, Henry G., Bainbridge, Ga. Adjustable plow attachment. 1,851,190; Mar. 29.

Lane, James L., Chicago, and A. H. Moore, Oak Park, assignors to Link-Belt Company, Chicago, Ill. Metal rolling mill. 1,850,885; Mar. 22.

Lane, James L., Chicago, and A. H. Moore, Oak Park, assignors to Link-Belt Company, Chicago, Ill. Machine for making spiral conveyers. 1,850,886; Mar. 22.

Lane, James L., Chicago, and A. H. Moore, Oak Park, assignors to Link-Belt Company, Chicago, Ill. Making spiral conveyers. 1,850,936; Mar. 22.

Lane, Lewit J., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Fishing rod. 1,880,348; Oct. 4.

Lane, Michael T., Chicago, Ill. Toy fighter. 1,853,733; Apr. 12.

Lane, Norman B., Niagara Falls, and W. T. Ennor, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Treatment of aluminum alloys. 1,891,549; Dec. 20.

Lane, Percy, and A. E. Lait, Birmingham, England. Windscreen for vehicles. 1,872,468; Aug. 16.

Lane, Roy W., Canton, Ohio. Doorstop. 1,858,711; May 17.

Lane, Thomas E., assignor to Lever Brothers Company, Cambridge, Mass. Machine for feeding inserts. 1,855,638; Apr. 26.

Lane, Thomas E., Detroit, and C. H. Welch, jr., Birmingham, Mich., assignors to F. Sanders. Child's portable tray. 1,878,864; Sept. 20.

Lane, William R., Niagara Falls, N. Y. Microphone. 1,854,474; Apr. 19.
Lang, Albion S., Roslindale, Mass. Combined carrying case and holder for musical instruments. 1,888,927; Nov. 22.
Lang, Andrew, Mobridge, S. Dak. Animal trap. 1,860,507; May 31.
Lang, Charles E., Corsicana, assignor of one-half to The Guiberson Corporation, Dallas, Tex. Drill bit. 1,881,024; Oct. 4.
Lang, Edward J., Springfield, Ill. Camping outfit. 1,853,236; Apr. 26.
Lang, Franz, assignor to W. A. Riddell Company, Bucyrus, Ohio. Grinder. 1,872,469; Aug. 16.
Lang, Franz, Munich-Nymphenburg, assignor to Robert Bosch Aktiengeselschaft, Stuttgart, Germany. Fuel pump. 1,883,980; Oct. 25.
Lang, Frederic H., and N. E. Van Stone, Chicago, Ill., assignors to The Herwin-Williams Company, Cleveland, Ohio. Display device. 1,839,972; Jan. 5.
Lang, Frederic H., and N. E. Van Stone, Chicago, Ill., assignors to The Herwin-Williams Company, Cleveland, Ohio. Display device. 1,876,978; Sept. 13.
Lang, George R., North Charlerol, Pa. Loader. 1,848,322; Mar. 8.
Lang, George W., Medford, Mass., assignor to Westinghouse Electric & Manufacturing Company. Sound recording method. 1,870,778; Aug. 9.
Lang, Gustav J., Longmeadow, and J. F. Martin, assignors to American Bosch Magneto Corporation, Springfield, Mass. Magneto. 1,881,013; Oct. 4.
Lang, Harry J., Adrian, Mich. Fluid temperature control. 1,873,769; Aug. 23.
Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Brush for vacuum cleaners and the like. 1,869,157; July 26.
Lang, Hermann, New York, N. Y. Eyeshield. 1,857,156; May 10.
Lang, Hubert, Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,854,848; Apr. 19.
Lang, Hubert, Chicago, Ill., assignor to Goss Printing Press Company. Web roll supporting and controlling mechanism. 1,869,569; Aug. 2.
Lang, James S., deceased, Old Colony Trust Company, Boston, Mass., executor. Fishing lure. 1,840,273; Jan. 5.
Lang, James S., Boston, Mass., deceased; Old Colony Trust Company, executor. Vibratory massage apparatus. 1,858,209; May 10.
Lang, Joseph, Philadelphia, Pa. Corn harvester. 1,887,937; Nov. 15.
Lang, Matthew, Akron, Ohio. Roller skate. 1,846,265; Feb. 23.
Lang, Richard T., Weehawken, N. J., assignor to American Voith Contact Co., Inc., New York, N. Y. Continuous wood grinder of the chain type. 1,843,605; Feb. 2.
Lang, Richard T., Weehawken, N. J., assignor to American Voith Contact Company, Incorporated, New York, N. Y. Pulp screw press. 1,851,191; Mar. 29.
Lang, Richard T., Weehawken, N. J., assignor to American Voith Contact Co. Inc., New York, N. Y. Apparatus for dewatering and washing pulp. 1,876,004; Sept. 6.
Lang, Richard T., Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Incorporated, New York, N. Y. Converting liquid paper pulp into a consistent mass suitable for storage, etc., or into bales for shipment. 1,861,184; May 31.
Lang, Rudolf, Vienna, Austria, assignor to Aktiengesellschaft C. P. Goerz Optische Ùs tav. Bratislava, Czechoslovakia. Electric transmitter for transmitting values of angles. 1,853,734; Apr. 12.
Lang, Walter B., Roswell, New Mexico. Inner tube for pneumatics. 1,874,197; Aug. 30.
Lang, Wilmarth Y. (See Hunt, A. E., and Lang.)
Langbein, Gerhard. (See Kranzlein, G., Greune, and Langbein.)
Langbein, Harold W., Los Angeles, Calif. Method and apparatus for handling motor vehicles. 1,876,307; Sept. 6.
Langbein, Harold W., Los Angeles, Calif., assignor to Brake Synchrometer Co., Boston, Mass. Brake testing machine. 1,875,742; Sept. 6.
Langbein, Jacob F., Hamden, assignor to The New Haven Clock Company, New Haven, Conn. Clock. 1,887,356; Nov. 8.
Langdon, Andrew, assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,852,421; Apr. 5.
Langdon, Andrew, assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,854,614; Apr. 19.
Langdon, Edwin L., Chicago, Ill. Dental vulcanizer. 1,875,876; Sept. 6.
Langdon, Frank E., Bromley, England. Postal franking machine. 1,867,514; July 12.
Langdon, Jesse D., Los Angeles, Calif. Centrifugal propeller. 1,845,295; Feb. 16.
Langdon, Jesse D., Los Angeles, Calif. Razor blade sharpener. 1,881,702; Oct. 11.
Langdon, Jesse D., Los Angeles County, Calif. Wheel and gear puller. 1,881,703; Oct. 11.
Lange, Adolf, assignor to Lübecker Maschinenbau-Gesellschaft, Lubeck, Germany. Track-chain bogie of carriages. 1,855,839; Apr. 26.
Lange, Arthur. (See Dap, J., and Rogzatz, assignors.)
Lange, Bruno, Chemnitz, Germany. Variable speed gear. 1,840,726; Jan. 12.
Lange, Edward A., Blue Island, Ill. Heat treating apparatus. 1,851,913; Mar. 29.
Lange, Edward H., Baltimore, Md. Automatic power control mechanism for automobiles. 1,861,018; May 31.
Lange, Everett H., Bridgeton, Mo. Aeroplane. 1,856,219; May 3.
Lange, Fritz. (See Günther, F., Lange, and Schneider.)
Lange, Gustav M. (See Lange, Gustav W. and G. M.)
Lange, Gustav W. and G. M., Buffalo, assignors to The Fowler & Union Horsenail Company, Tonawanda, N. Y. Mail handling or transfer apparatus. 1,844,363; Feb. 9.
Lange, Hans. (See Herzberg, W., and Lange.)
Lange, Hans. (See Holzapfel, E., Braunsdorf, and Lange.)
Lange, Hans. (See Reddelien, G., and Lang.)
Lange, Hans. (See Reddelien, G., Lange, Fischesser, and Freund.)
Lange, Harald, Portland, Oreg. Hose coupling. 1,843,394; Feb. 2.
Lange, Harald, Portland, Oreg. Heavy duty hose coupling. 1,860,038; May 24.
Lange, Heinrich. (See Schmidt, A., Ernst, and Lange.)
Lange, Heinrich. Altona-Eidelstedt, Germany. Well filter. 1,848,730; Mar. 8.
Lange, Hellmuth, Dusseldorf, Germany. Delivery device. 1,859,557; nov. 29.
Lange, Henry, Quincy, Ill. Range. Des. 86,847; Apr. 26.
Lange, Henry, Quincy, Ill. Range. Des. 87,396; July 19.
Lange, Henry, assignor to Quincy Stove Manufacturing Co., Quincy, Ill. Range. Des. 88,336; Nov. 15.
Lange, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Gas range side lining. 1,851,192; Mar. 29.
Lange, Hermann, Garbsen, assignor to the Firm "Hartsteinwerk Niedersachsen, Gesellschaft mit beschränkter Haftung", Hannover, Germany. Cover closing for steam barrels, heating boilers and the like. 1,889,606; Nov. 29.
Lange, Max E. (See Norton, T., and Lange.)
Lange, Max E. (See Trumphour, W. L., and Lange.)
Lange, Max F., assignor to The Warner & Swasey Company, Cleveland, Ohio. Work support for machine tools. 1,864,046; June 21.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Shaping and flanging machine. 1,890,039; Dec. 6.
Lange, Richard, Leonia, N. J. Affixing stamping material to book covers and the like. 1,867,224; July 12.
Lange, Richard, Leonia, N. J. Strip feeding machine. 1,869,854; Aug. 2.
Lange, Robert S., Gore, New Zealand. Washing machine. 1,886,201; Nov. 1.
Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Compounds having a affinity for cotton. 1,859,705; May 24.
Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of azo-dyes. 1,859,706; May 24.
Lange, Werner, and M. Raeck, Dessau-Ziebigk in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Secondary disazo dyes. 1,873,606; Aug. 23.
Lange, William L., New York, N. Y. Resonating guitar. 1,865,344; June 14.
Langen, George. (See Rambo, H. L., Addison, and Langen.)
Langenbach, Heinrich, Frankfort-on-the-Main-Rodelheim, Germany. Making circular saws with inserted teeth. 1,842,789; Jan. 26.
Langenbacher, Jakob, Reutlingen, Germany. Paper-making machine. 1,882,187; Oct. 11.
Langenberg, Frederick C., et al. (See Mulholland, David E., assignor.)
Langenberg, Frederick C., Edgewater Park, N. J., assignor to United States Pipe & Foundry Company, Burlington, N. J. Manufacture of centrifugal pipe molds. 1,856,874; May 3.
Langenberg, Frederick C., Watertown, Mass., and G. A. Reinhardt, Youngstown, Ohio. Reenforced column. 1,858,512; May 17.
Langenberg, Frederick C., Edgewater Park, assignor to United States Pipe & Foundry Company, Burlington, N. J. Method of modifying internal strains in metal objects. 1,891,234; Dec. 20.
Langenfeld, John H. (See Schroeder, C. F. H., Langenfeld, and Fryer.)
Langenhaun, Max, Arnstadt in Thuringia, Germany. Billiard table. 1,889,899; Nov. 5.
Langenheim, Albert H., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Jack. 1,874,766; Aug. 30.
Langer, Arthur, Vienna, Austria. Extracting of iron. 1,868,666; July 26.
Lanzer, Friedrich J., South Euclid, Ohio. Musical novelty. 1,885,843; Nov. 1.
Langer, Harry C., Milwaukee, Wis. Shoe insole. 1,872,987; Aug. 23.

Langer, Henry C., St. Paul, Minn. Snow shovel. 1,880,260; Oct. 4.

Langer, Joseph F., assignor of one-half to F. B. Totzke, Minneapolis, Minn. Agitator for vacuum cleaners. 1,848,731; Mar. 8.

Langer, Max, Hermsdorf, Berlin, assignor to Siemens & Halska Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Circuit arrangement for relay selectors in telephone systems. 1,844,256; Feb. 9.

Langer, Rudolph J., assignor to Franklin Equipment Co., Muscatine, Iowa. Clevis. 1,889,204; Nov. 29.

Langevin, Paul, and C. L. Florisson, assignors to Societe de Condensation et d'Applications Mecaniques, Paris, France. Method and apparatus for sounding and for locating submarine obstacles by means of ultra-audible waves. 1,858,931; May 17.

Langevin, Raoul, Aix-les-Bains, City, Wash. Drying and removing hops from the vine. 1,849,010; Mar. 8.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Tight center bar. Re18,568; Aug. 16.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint bar. 1,842,412; Jan. 26.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Shearing continuous bars. 1,858,401; May 17.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint bar. 1,865,194; June 28.

Langford, George, assignor to McKenna Process Company, Joliet, Ill. Repairing rail joint bars in track. 1,830,349; Oct. 4.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint and bar. 1,883,982; Oct. 25.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint bar. 1,890,687; Dec. 13.

Langford, George W. (See Barrows, A. C., and Langford.)

Langford, George W., and H. L. Haines, assignors to Economy Baler Company, Ann Arbor, Mich. High density compress. 1,868,752; July 26.

Langhammer, Paul. (See Smith, E. L., Langhammer, and Bodolay.)

Langhoffer, David N. and G. T. Howell, Portland, Oreg. Safety cut out. 1,871,446; Aug. 16.

Langill, Ross E., assignor to The Prescott Company, Menominee, Mich. Sawmill dog. 1,866,337; July 12.

Langill, Ross E., and S. B., assignors to The Prescott Company, Menominee, Mich. Sawmill dog. 1,847,657; Mar. 1.

Langill, Ross E., Menominee, Mich., and W. B. Grueter, Milwaukee, Wis., assignors to The Prescott Company, Menominee, Mich. Sawmill dog. 1,861,867; June 7.

Langill, Stanley B. (See Langill, R. and S. B.)

Langknecht, Henry J., Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Metallic pattern strip for spectacle frames or similar articles. Des. 87,998; Oct. 18.

Langknecht, Henry L., jr., Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Metallic pattern strip for spectacle frames or similar articles. Des. 86,778; Apr. 19.

Langlands, George, et al. (See Zech, Edward E., assignor.)

Langley, Cortlandt J., New York, N. Y., assignor to C. W. Bumstead, trustee, Highland Park, N. J. Match package. 1,861,151; June 7.

Langley, Ernest L., Sweetwater, Tex. Apparatus for decomposing water. 1,862,224; June 7.

Langley, John E., U. S. Army, Kansas City, Mo. Current meter indicating device. 1,862,935; June 14.

Langley, Ralph H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Diaphragm. 1,843,367; Feb. 2.

Langley, Ralph H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Indicating device for radio sets. 1,860,678; May 31.

Langley, Ralph H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Loud speaker mounting for automobile radios. 1,874,313; Aug. 30.

Langley, Ralph H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Mechanical construction of loud speakers. 1,886,031; Nov. 1.

Langmaid, Harold V., Marblehead, assignor to Essex Tanning Company, Inc., Peabody, Mass. Making imitation reptile leather. 1,853,364; Apr. 12.

Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Signaling device. 1,849,842; Mar. 15.

Langmuir, Irving, and K. H. Kingdon, Schenectady, N. Y., assignors to General Electric Company. Electrical discharge device. 1,892,244; Dec. 27.

Langrock, Joseph H., New Haven, Conn. Trousers support. 1,881,704; Oct. 11.

Langsdorf, Alexander S. (See Messick, C., and Langsdorf, assignors.)

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,841,482; Jan. 19.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,841,483; Jan. 19.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Clamping device for extension leveling rods. 1,842,724; Jan. 26.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Continuous developing apparatus. 1,845,296; Feb. 16.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Apparatus for treating light sensitive material. 1,852,316; Apr. 5.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Printing machine. 1,855,194; Apr. 26.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Slide rule indicator. 1,855,523; Apr. 26.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,878,279; Sept. 20.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Printing apparatus. 1,886,202; Nov. 1.

Langston, Samuel M., Co. (See Langston, S. M., and Clever, assignors.)

Langston, Samuel M., Co. (See Langston, S. M., and Sieg, assignors.)

Langston, Samuel M., Co. (See Sieg, Karl, assignor.)

Langston, Samuel M., Wenonah, N. J. Cut-off mechanism. 1,892,213; Dec. 27.

Langston, Samuel M., Wenonah, and K. Sieg, Brooklawn, assignors to Samuel M. Langston Co., Camden, N. J. Cut-off operating mechanism. 1,840,962; Jan. 12.

Langston, Samuel M., Wenonah, and K. Sieg, Brooklawn, assignors to Samuel M. Langston Co., Camden, N. J. Printer and slotter. 1,850,800; Mar. 22.

Langston, Samuel M., Wenonah, N. J., and K. Sieg, Philadelphia, Pa., assignors to Samuel M. Langston Co., Camden, N. J. Printer and slotter. 1,850,801; Mar. 22.

Langston, Samuel M., Wenonah, N. J., and K. Sieg, Philadelphia, Pa., assignors to Samuel M. Langston Co., Camden, N. J. Printer and slotter. 1,850,802; Mar. 22.

Langston, Samuel M., Wenonah, and W. H. Cleaver, Audubon, assignors to Samuel M. Langston, Camden, N. J. Slotting and scoring mechanism. 1,859,877; May 24.

Langstreth, James, San Francisco, Calif. Monocar. 1,853,743; May 17.

Langvand, Ivar L. (See Trainer, J. E., and Langvand.)

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle. 1,854,340; Apr. 19.

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,874,552; Aug. 30.

Langvand, Ivar L., Barberton, Ohio, and H. J. Kerr, Westfield, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,880,350; Oct. 4.

Langwell, Herbert, Great Burgh, England, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation of cellulosic material. 1,875,689; Sept. 6.

Langwell, Herbert, Epsom, England, and E. Ricard, Melle, France, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation of cellulosic materials. 1,864,838; June 28.

Langwell, Herbert, Epsom, and W. A. Burton, Aldwych, London, England, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation of cellulosic materials. 1,864,839; June 28.

Lanier Cone Company. (See Lanier, Lewis H., assignor.)

Lanier, Edward H., Miami, Fla. Aeroplane. 1,866,214; July 5.

Lanier, Lewis H., Newport, Ky., assignor to Lanier Cone Company, Cincinnati, Ohio. Filling device. 1,889,036; Nov. 29.

Lanier, Otis M., Statesboro, Ga. Portable pile driver. 1,849,973; Feb. 16.

Lankering, Frederick, Paterson, N. J. Cigar. 1,892,402; Dec. 27.

Lankford, Robert E. (See Carter, Sidney T., assignor.)

Lankton, Roy H. (See Brierley, J. L., and Lankton.)

Lanpher, Henry C., et al. (See Winger, Stover C., assignor.)

Lanquetin, Roger, Courbevoie, France. Relay device for automatic control by the use of a fluid under pressure. 1,857,386; May 10.

Lansing Company. (See Himmelberger, William H., assignor.)

Lansing, Eugene H., Waterford, N. Y. Felt cleaning apparatus. 1,846,646; Feb. 23.

Lansing, Eugene H., Waterford, N. Y. Felt cleaning apparatus. 1,853,064; Apr. 12.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. Re18,496; June 14.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting mechanism. 1,848,361; Mar. 8.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Electrical apparatus. 1,891,676; Dec. 20.

Lanspa, William M., David City, Nebr. Windmill and bump rod coupling. 1,860,253; May 24.

Lant, Richard, Vienna, Austria. Aqueous emulsion of hydrocarbon oils and manufacturing the same. 1,861,398; May 31.

Lant, Richard, Vienna, Austria. Treatment of petrol and other organic liquids containing water. 1,876,326; Sept. 6.

Lant, Thomas, Detroit, Mich. Plug connecter for electric lamps. 1,845,424; Feb. 16.

Lantero, Orestes, Chicago, Ill. Closure fastener. 1,847,117; Mar. 1.

Lantz, Henri, assignor to L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Extraction of ethylene from gaseous mixtures. 1,870,334; Aug. 9.

Lantz, Henri, and P. Schidelev, Paris, France, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of and apparatus for conducting exothermic gaseous reactions under pressure. 1,845,050; Feb. 16.

Lantz, Robert, Saint-Denis, France, assignor to Societe des Anciens Etablissements Salvatori Leperche; Frangiali & Cie., successors, Paris, France. Light sensitive papers and other bases and light sensitive layers therefor. 1,857,920; May 10.

Lantz, Vernon, Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Motor fuel. 1,869,486; Aug. 2.

Lanyon, Samuel H., San Francisco, Calif. Expansion joint for furnaces. 1,883,983; Oct. 25.

Lanz, Fred, Borego, Calif. Automatic water control. 1,863,769; July 5.

Lanz, Frederick J., assignor to Continental Paper & Bag Corporation, New York, N. Y. Device for controlling tension in sheet material. 1,852,317; Apr. 5.

Lanz, Heinrich, Aktiengesellschaft. (See Huber, Fritz, assignor.)

Lanz, John, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Electric motor. 1,842,031; Jan. 19.

Lanz, John, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Fan base. 1,871,001; Aug. 9.

Lanz, Valentin. (See Henle, F., and Lanz.)

Lanzerotti-Spina, Pietro, London, England. Rotary engine. 1,848,754; Mar. 8.

Lapanja, Mathod, Canton, Ohio. Carburetor, blow torch, and solder melter. 1,892,467; Dec. 27.

Lapatoff, William, New York, N. Y. Door opening mechanism. 1,839,232; Jan. 5.

La Payne, James, and B. Blake, Glendale, Calif.; said Blake assignor to said La Payne. Restaurant building. Des. 87,080; May 31.

Lapcevitch, Nicholas, Krajac, Milos, assignor.)

Lapeyrouse, Lawrence L., Mobile, Ala. Fourdrinier machine. 1,853,625; Apr. 12.

Lapkin, Ralph M., Glens Falls, N. Y. Vest. 1,879,341; Sept. 27.

Lapidus, Morris, Brooklyn, N. Y. Insole. 1,840,514; Jan. 12.

Lapidus, Morris, Long Island City, N. Y., assignor, by mesne assignments, to Charles Miller, Esq., trustee. Sock lining. 1,864,204; June 21.

Lapin Specialty Mfg. Co., The, Ehrlich, Rose, assignor.)

Lapkin, Harry D., San Francisco, Calif. Sewing kit. 1,856,486; May 3.

Lapof, Samuel, Brooklyn, N. Y., assignors to Bar-Ray Products, Inc., New York, N. Y. Partition block. Re18,349; Feb. 9.

Lapof, Samuel, assignor to Bar-Ray Products, Inc., New York, N. Y. X-Ray shielding device. 1,854,942; Apr. 19.

La Pointe, Albert A., assignor to Houghton Bulkeley, Hartford, Conn. Electromagnetic pump. 1,844,772; Feb. 9.

LaPointe, Albert D., Newark, N. J. Apparatus for preparing photo stipple intaglio engraved printing rolls. 1,868,709; July 26.

Lapointe, Francis J., Ann Arbor, Mich. Broaching machine. 1,855,766; Apr. 26.

Lapointe, Francis J., Ann Arbor, Mich. Broaching machine. 1,875,033; Aug. 30.

Lapointe, Francis J., Ann Arbor, Mich. Broach. 1,881,705; Oct. 11.

Lapointe, Francis J., Ann Arbor, Mich. Motor counter recutting device. 1,888,460; Nov. 22.

Lapointe Machine Tool Company, The. (See Baker, Harry A., assignor.)

Lapointe Machine Tool Company, The. (See West, Donald H., assignor.)

LaPorte, Ralph, Los Angeles, Calif. Locker system. 1,875,383; Sept. 6.

Lapp Insulator Company, Inc. (See Jenner, Ralph L., assignor.)

Lapsley, Howard G., New York, N. Y., assignor to General Device and Fittings Company. Electrical connecter. 1,891,935; Dec. 27.

Lapteff, Alexis V., Detroit, Mich., assignor to Harrington & Kline Perforating Company, Chicago, Ill. Grille panel. Des. 87,472; Aug. 2.

Laput, Gregory. (See Goroshko, W., and Laput.)

Laraque, Roland, Paris, France. Compressor. 1,851,193; Mar. 29.

Larberg, George O., assignor to Auto Mop Manufacturing Company, Kansas City, Mo. Mop. 1,879,809; Sept. 27.

Larbig, Karl. (See Bayer, O., Hohenemser, and Larbig.)

Lard, Allan E., assignor to The Federal Bill Counter Company, Washington, D. C. Machine for sorting and counting paper money. 1,839,973; Jan. 5.

Large, John H. (See Finney, H. G., and Large.)

Largman, Gray Company. (See Hahris, Harry, assignor.)

Largman, Joseph, Philadelphia, Pa. Centering marker for full fashioned hosiery. 1,878,865; Sept. 20.

Lark, William P., Eckley, S. C. Transmission line clamp. 1,841,292; Jan. 12.

Larkin, Agnes M., administratrix. (See Larkin, John J.)

Larkin Company. (See Morey, Burrows, assignor.)

Larkin, David, Webster Groves, Mo. Furnace. 1,874,016; Aug. 30.

Larkin, Dennis F., San Francisco, Calif. Drawing board. 1,849,493; Mar. 15.

Larkin, James L., Lynn, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Collapsible container. 1,860,349; May 31.

Larkin, James L., Lynn, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Display stand. 1,881,707; Oct. 11.

Larkin, John J. (See Kilzer, James E., assignor.)

Larkin, John J., deceased, Jamaica; A. M. Larkin, administratrix, assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,846,494; Feb. 23.

Larkin, Lester U., assignor to The Warren Company, Incorporated, Atlanta, Ga. Show case refrigerator. 1,852,661; Apr. 5.

Larkin, Lester U., assignor to Larkin-Warren Refrigerating Corporation, Atlanta, Ga. Control device for mechanical refrigeration machine. 1,885,608; Nov. 1.

Larkin, Lester U., Atlanta, Ga. Refrigerated show case. 1,887,313; Nov. 8.

Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Multidesign rib knitting machine. 1,843,249; Jan. 12.

Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Knitting machine. 1,887,413; Nov. 8.

Larkin-Warren Refrigerating Corporation. (See Larkin, Lester U., assignor.)

Larkins, Carl J., assignor to The Aerocrete Corporation of America, New York, N. Y. Nailing aerocrete and producing the same. 1,856,644; May 3.

Larkwood Silk Hosiery Mills, Inc. (See Sachsenmaier, Elwood W., assignor.)

Larkwood Silk Hosiery Mills, Inc. (See Sachsenmaier, E. W., and Moeller, assignors.)

Larmour, Harry M., and S. C. Pierce, jr., assignors to Yosemite Portland Cement Corporation, Merced, Calif. Clinker heat treatment. 1,859,925; Mar. 24.

Larmour, Harry M., and S. C. Pierce, jr., assignors to Yosemite Portland Cement Corporation, Merced, Calif. Cement clinker treatment. 1,859,926; May 24.

Larmour, Harry McC., and S. C. Pierce, jr., assignors to Yosemite Portland Cement Corporation, Merced, Calif. Cement and making. 1,865,021; June 28.

Larmour, William, Philadelphia, Pa., assignor of one-half to H. McAdams, Atlantic City, N. J. Knitting machine. 1,874,198; Aug. 30.

Larmuth, John H., Upper Colwyn Bay, North Wales. Stranding and laying machine. 1,870,290; Aug. 9.

Larmuth, John H., Upper Colwyn Bay, Wales. Winding, stranding, collins, lapping or the like machines. 1,882,152; Oct. 11.

Larner, Chester W. (See Sanford, Sydney J., assignor.)

Larner, Chester W., and S. Sanford, Philadelphia, Pa. Light controlling apparatus. 1,887,650; Nov. 15.

LaRoche, Heinrich, Zollikerberg, Switzerland. Building construction. 1,886,962; Nov. 8.

La Rock, John, Chicago, Ill. Adjustable plant stand. 1,860,390; May 31.

La Roque, Harold B. (See Elder, F. R., Bailey, and La Roque.)

La Roy, Thomas E., Kingsport, Tenn. Fire escape. 1,852,976; Apr. 5.

Larrabee, Bert G., Houston, Tex. Ash tray. Des. 87,752; Sept. 13.

Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, New York, N. Y. Master clock. 1,878,931; Sept. 20.

Larry, Edwin C., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,877,333; Sept. 13.

Larsen, Alantser F., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Electric percolator. Des. 87,722; Sept. 6.

Larsen, Alantser F., assignor to Aluminum Goods Mfg. Co., Manitowoc, Wis. Electrical heating element for utensils. 1,878,784; Sept. 20.

Larsen, Arthur, and W. F. McComiskey, Minneapolis, Minn. Measuring dispenser. 1,840,908; Jan. 12.

Larsen, Arthur T., Duluth, Minn. Storm sash fastener. 1,856,569; May 3.

Larsen, Carl J. (See Mutschellen, A., and Larsen.)

Larsen, Charles F. (See Wollheim, Walter E., assignor.)

Larsen, Elmer J., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling articles. 1,881,706; Oct. 11.

Larsen, Elver, Brooklyn, N. Y. Gauging round chimneys. 1,880,261; Oct. 4.

Larsen, Fridthiof O. V. (See Hatton, W., Spann, Rousseau, and Larsen.)

Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Pencil. Des. 85,944; Jan. 5.

Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Receptacle for pen points provided with dark bands. 1,863,061; June 14.

Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Pencil. 1,876,695; Sept. 13.

Larsen, Henry M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating materials. 1,841,464; Jan. 19.

Larsen, Henry M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,841,485; Jan. 19.

Larsen, John M., Grand Rapids, Mich. Electric welding tool. 1,889,991; Dec. 6.

Larsen, Lawrence W., assignor to Kelvinator Corporation, Detroit, Mich. Ebullition initiator. 1,868,611; July 26.

Larsen, Leonard O., Downers Grove, Ill. assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical apparatus and manufacturing it. 1,888,275; Nov. 22.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Adjustable reclining back. 1,844,130; Feb. 9.

Larsen, Lewis, Menominee, Mich., assignor to Haywood-Wakefield Company, Boston, Mass. Making a fabric. 1,862,687; June 14.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Spring base furniture. 1,875,034; Aug. 30.

Larsen, Louis G., Jersey City, N. J., assignor, by mesne assignments, to Presto Machine Products Company, Inc., and Presto Corporation of America. Phonograph attachment. 1,860,104; May 24.

Larsen, Louis H., Union City, N. J., and C. W. Nixon, New York, N. Y. Delivery mechanism for article dispensing machines. 1,889,318; Nov. 29.

Larsen, Mary L., Oakland, Calif. Loose-leaf binder. 1,888,461; Nov. 22.

Larsen, Neil P., Cleveland Heights, assignor to The American Coach & Body Co., Cleveland, Ohio. Supporting device for telephones. 1,867,271; July 12.

Larsen, Neil P., Cleveland Heights, assignor to The American Coach & Body Company, Cleveland, Ohio. Canopy support. 1,867,272; July 12.

Larsen, Neil P., assignor to The American Coach & Body Company, Cleveland, Ohio. Crane. 1,873,433; Aug. 23.

Larsen, Robert, Los Angeles, Calif. Machine for applying decorative material. 1,847,118; Mar. 1.

Larsh, Everett P., Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Short circuiter. 1,871,893; Aug. 16.

Larson, Albert G., Piedmont, Calif. Driving mechanism. 1,865,600; June 28.

Larson, Alfred T., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of methanol and other carbon compounds and catalytic agents for use therein. 1,844,129; Feb. 9.

Larson, Alfred T., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst for the production of methanol and other carbon compounds and making same. 1,844,857; Feb. 9.

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ammonia synthesis process. 1,844,962; Feb. 16.

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic material and process of producing same. 1,853,771; Apr. 12.

Larson, Alfred T., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydrogen. 1,865,770; July 5.

Larson, Alfred T., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of hydrogen. 1,889,672; Nov. 29.

Larson, Algot, Elmhurst, assignor to Unique Balance Co., Chicago, Ill. Window sash balance. 1,864,745; June 28.

Larson, Andrew, Seattle, Wash. Pipe joint filler. 1,863,906; June 21.

Larson, Andrew W., Denham, Minn. Antireaction harness for domestic animals. 1,846,213; Feb. 23.

Larson, August, Chicago, Ill. Fretted stringed musical instrument. 1,889,408; Nov. 29.

Larson, Axel F., and C. W. Anderson, assignors to Western Electric Piano Company, Chicago, Ill. Talking machine. 1,873,432; Aug. 23.

Larson, Bernard, Hammond, Ind. Circuit closing device. 1,889,162; Dec. 27.

Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon. 1,852,122; Apr. 5.

Larson, Bror J., Hamden, Conn. Edge trimmer. 1,876,979; Sept. 13.

Larson, Carl B., Maplewood, N. J., assignor to W. C. Hammond, Kalamazoo, Mich. Universal automatic grinder, polisher, or buffer. 1,886,699; Nov. 8.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash lock. 1,857,294; May 10.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Electric hand lantern. 1,872,305; Aug. 16.

Larson, Donald E., assignor to Chicago Bridge and Iron Company, Chicago, Ill. Seal for floating roofs. 1,861,868; June 7.

Larson, Elmer P., Gotham, Wis. Tire spreader. 1,847,772; Mar. 1.

Larson, Frederick C., St. Paul, Minn., assignor to General Railway Signal Company, Rochester, N. Y. Polarized relay. 1,852,210; Apr. 5.

Larson, Homer W., Downers Grove, and R. R. Patchen, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 1,861,574; June 7.

Larson, John, Philadelphia, Pa. Musical toy. 1,859,268; May 17.

Larson, John F., Attleboro, Mass. Spindle carrier for braiding machines. 1,841,191; Jan. 12.

Larson, John M., assignor to National Regulator Co., Chicago, Ill. Thermostatic control. 1,847,880; Mar. 1.

Larson, John M., assignor to National Regulator Company, Chicago, Ill. Regulator. 1,848,087; Mar. 1.

Larson, Joseph E., Seattle, Wash. Rake. 1,888,991; Nov. 29.

Larson, Karl R., East Dundee, and E. S. Irelan, assignor to Illinois Watch Case Company, Elgin, Ill. Solderless vanity case. 1,873,245; Aug. 30.

Larson, La Verne E., Waukesha, Wis. Combined advertising and price display board. 1,856,960; May 3.

Larson, Louis, Lynden, Wash. Divider bar attachment for mowers. 1,878,462; Sept. 6.

Larson, Louis H., Santiago, Minn. Tractor propelled rake and loader. 1,877,770; Sept. 20.

Larson, Louis J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 1,872,306; Aug. 16.

Larson Machine Company. (See Larson, Sven P., assignor.)

Larson, Magnus C., Hempstead, N. Y., and J. J. Volansky, Portsville, Pa. Bearing. 1,854,425; Feb. 16.

Larson, Nels H., Pepin, Wis. Gate operating mechanism. 1,858,896; May 17.

Larson, Oscar E. (See Wessel, L. H., and Larson.)

Larson, Oscar J., assignor to Wright Metal Incorporated, Jamestown, N. Y. Partition frame. 1,864,205; June 21.

Larson, Oscar J., assignor to Wright Metal Incorporated, Jamestown, N. Y. Partition post or pilaster. 1,864,206; June 21.

Larson, Otto, St. Louis, Mo. Combustion rotary engine. 1,867,917; July 19.

Larson, Otto C., Brooklyn, N. Y. Converting a sled into a wheeled vehicle. 1,866,115; July 5.

Larson, Sven P., Herkeley Point, assignor to Larson Machine Company, Ltd. Automatic pan spraying machine. 1,862,380; June 7.

Larson, Sven P., Berkeley, Calif. Pan greasing machine. 1,885,453; Nov. 1.

Larson, William E., Grand Rapids, Mich. Latch for revolubile table tops. 1,844,664; Feb. 9.

Larsson, Carl A., and P. R. Higson, assignors to Vickers-Armstrongs Limited, Westminster, England. Drum magazine for machine guns and automatic small arms. 1,846,034; Feb. 23.

Larsson, Carl A., and P. R. Higson, assignors to Vickers-Armstrongs Limited, Westminster, England. Machine gun and automatic small arms. 1,846,035; Feb. 23.

Larsson, Carl G. R., Fialnfeld, N. J. Erecting bridges. 1,850,507; Mar. 22.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley pole device. 1,858,402; May 17.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wheel. 1,890,945; June 14.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley head. 1,890,946; Dec. 13.

Larsson, Knut, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone system. 1,865,699; July 5.

Larsson, Knut, and N. G. Palmgren, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone plant. 1,877,672; Sept. 13.

Larsson, Markus, Berlin, Germany, assignor to Kunstdünger-Patent-Verwertungs-Aktiengesellschaft, Glarus, Switzerland. Producing a mixture of calcium nitrate and ammonium nitrate. 1,866,571; July 12.

Larsson, Markus, Berlin, Germany, assignor, to Kunstdünger-Patent-Verwertungs-Aktiengesellschaft, Glarus, Switzerland. Producing ammonium phosphate. 1,876,011; Sept. 6.

Larsson, Thure. (See Jeppson, G. N., and Larsson.)

Larsson, Thure, assignor to Norton Company, Worcester, Mass. Segmental grinding wheel. 1,843,287; Feb. 2.

Larsson, Thure, assignor to Norton Company, Worcester, Mass. Segmental grinding wheel. 1,892,434; Dec. 27.

La Rue, William D., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Talking machine. 1,855,840; Apr. 26.

La Rue, William D., Maple Shade, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Plural-member stylus or the like. 1,858,016; May 10.

La Rue, William D., Philadalphia, Pa., and S. H. Wismer, Palmyra, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound reproducing machine. 1,883,238; Oct. 18.

Larum, Lars, McCabe, Mont. Wind wheel. 1,880,143; Sept. 27.

Larzelere, Charles F., Fond du Lac, Wis. Folding landing net. 1,886,559; Nov. 8.

Lasuico, Inc. (See Richards, H. J., and Hinton, assignors.)

Lasater, Joseph D., assignor of one-third to J. D. Williams, Sulphur Springs, Tex. Register for liquid-dispensing units. 1,863,046; June 14.

Lascari, John, Unionville, Conn. Blotter. 1,839,564; Jan. 5.

Lascelles, William J., M. F. Peterson, J. R. Scott, and K. McC. Wilson, Manchester, England, assignors to Addressograph Company, Cleveland, Ohio. Printing machine. 1,866,378; July 12.

Lasch, Willy H. (See Bachman, E. P., and Lasch.)

Laschinger, Hugo E., Bloomfield, N. J. Producing para-chlor-meta-cresol. 1,847,566; Mar. 1.

Lasenhausenwerke, Dusseldorfer Maschinenbau A. G. (See Sonntag, Alfred, assignor.)

Lasher, Alfred W., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,943; Jan. 5.

Lasher, Harry L., Jersey City, N. J., assignor to Martin-Copeland Company, Providence, R. I. Center bar for ophthalmic mountings. Des. 88,158; Nov. 1.

Lasher, Hiram S., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,876,699; Sept. 13.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Para chloro ortho cresol carboxylic acid. 1,846,126; Feb. 23.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ortho chloro para cresol carboxylic acid. 1,846,127; Feb. 23.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 6-amino-p-cresol-carboxylic-acid and making same. 1,847,518; Mar. 1.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Arylamides of 3-hydroxy-phenyl-arylamine-carboxylic acids and making same. 1,868,612; July 26.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Meta-hydroxy-diarylamine-carboxylic acid. 1,877,906; Sept. 20.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Arylamides of meta-hydroxy-diarylamine-carboxylic acids and making same. 1,882,286; Oct. 11.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New substituted phenol-carboxylic acids and making same. 1,891,677; Dec. 20.

Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azodyestuffs and making same. 1,858,628; May 17.

Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azodyestuffs. 1,858,629; May 17.

Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New water insoluble azodyestuffs. 1,861,926; June 7.

Laska, Leopold, A. Zitscher, W. Christ, and A. Petzold, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing azodyestuffs. 1,878,243; Sept. 20.

Laska, Tony, Cle-Elum, Wash. Insulated rail joint. 1,881,186; Oct. 11.

Lasker, Edward, Chicago, Ill. Breast pump. 1,847,658; Mar. 1.

Lasker, George, Chicago, Ill. Drumless boiler. 1,887,854; Nov. 15.

Lasker, Raymond. (See von Radics, M., and Lasker.)

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Perforating machine. 1,840,515; Jan. 12.

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Adding machine. 1,842,552; Jan. 26.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Automatic indexing means for selecting bars. 1,843,772; Feb. 2.

Lasker, William W., jr., Brooklyn, N. Y. Accounting machine. 1,847,533; Mar. 1.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Numbering attachment for card punches. 1,855,133; Apr. 19.

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card-box controlled nonfeed device. 1,864,075; June 21.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Perforating machine. 1,868,111; July 19.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Sorting machine. 1,868,112; July 19.

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Punch for statistical cards. 1,883,984; Oct. 25.

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Indicating means for card punching machines. 1,883,985; Oct. 25.

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Automatic repeat and normalizing switch. 1,883,986; Oct. 25.

Laskowitz, Isidor B., Brooklyn, N. Y. Balanced wedge check valve. 1,829,683; Jan. 5.

Laskowitz, Isidor B., Brooklyn, N. Y. Variable thrust mechanism. 1,872,768; Aug. 23.

Lasky, Mervyn C., Hollywood, Calif. Nipple for nursing bottles. 1,848,533; Mar. 8.

Lasley, Robert E., Waukegan, Ill. Power plant. 1,854,615; Apr. 19.

Lasley, Robert E., Libertyville, Ill. Power plant. 1,871,566; May 10.

Lasley, Robert E., Libertyville, Ill. Power plant. 1,874,314; Aug. 30.

La Soudure Electrique Autogène S. A. (See De Pape, Ferdinand, assignor.)

Lasowsky, Louis, New York, N. Y. Moving picture camera. 1,883,987; Oct. 25.

Lassagne, Theodore H., Oakland, Calif. Fountain pen. 1,870,853; Aug. 9.

Lassen, Hans K. A., Stavanger, Norway. Roasting apparatus. 1,857,725; May 10.

Lassen, Harry C., and H. Dahl, assignors, to Food Machinery Corporation, San Jose, Calif. Rotary sprayer. 1,876,250; Sept. 6.

Lassen, Louis. (See Calkins, A. S., and Lassen.)

Lässer, Emil, assignor to Maag Gear-Wheel and Machine Company Ltd., Zurich, Switzerland. Gear cutting machine. 1,892,621; Dec. 27.

Lassiter, John R., and H. L. Morris, Norfolk, Va. Hydraulic lubricant. 1,866,515; July 12.

Lassiter, Leon Y., Tulsa, Okla. Automatic reminder. 1,885,270; Nov. 1.

Lassman, Benjamin. (See Hise, George L., assignor.)

Last, James, Kingston, Pa., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Variable platen feed mechanism. 1,849,494; Mar. 15.

Laswell, Maynard A., Los Angeles, Calif. Control for fire extinguishing apparatus. 1,881,709; Oct. 11.

Laswell, Maynard A., assignor to Swingspout Measure Company, Los Angeles, Calif. Gas operated switch. 1,881,710; Oct. 11.

Latchford Glass Company. (See Marble, William B., assignor.)

Latchin, Alexander E., Chicago, Ill. Article shelf. 1,883,988; Oct. 25.

Latécoère, Pierre, Paris, France. Airplane. 1,860,254; May 24.

Latham, Albert, deceased, Beverly, Mass.; J. W. Nourbourn, Somerville, Mass., administrator, assignor to American Button & Fastener Co., Augusta, Me. Feeding mechanism. 1,845,051; Feb. 16.

Latham Machinery Company. (See Juul, Peter, assignor.)

Latham Machinery Company. (See Metcalf, Irving R., assignor.)

Latham Machinery Company. (See Metcalf, I. R., and Pelland, assignors.)

Latham, Robert V., Coral Gables, Fla. Pressure control for fluid dispensing devices. 1,891,882; Dec. 20.

Lathem, Guy W. (See Hawkins, W. A., and Lathem.)

Lathrop, Elbert C. (See Munroe, T. B., and Lathrop.)

Lathrop, Elbert C. and F. A. Irvine, assignors to The Celotex Company, Chicago, Ill. Fiber product preservation. 1,880,965; Oct. 4.

Lathrop, Elbert C., and F. A. Irvine, assignors to The Celotex Company, Chicago, Ill. Making panel board. 1,881,418; Oct. 4.

Lathrop, Frank H. (See Hartzell, A., and Lathrop.)

Lathrop, Harry D. (See McEwan, Charles F., assignor.)

Lathrop, Harry D. (See McEwan, C. F., and Paulson, assignors.)

Lathrop, Harry D. (See Paulson, Walter H., assignor.)

Lathrop, Harry D., Chicago, Ill. Conveyer. 1,845,297; Feb. 16.

Lathrop, Harry D., Chicago, Ill. Can conveying and dumping apparatus. 1,861,575; June 7.

Lathrop, Harry D. Chicago, Ill. Can dumping mechanism. 1,861,634; June 7.

Lathrop, Harry D., and W. H. Paulson, Chicago, Ill.; said Paulson assignor to said Lathrop. Conveyer. 1,877,334; Sept. 13.

Lathrop, Hubbel, Greenwich, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating magnetic bodies. 1,857,201 ; May 10.

Lathrop, Hubbel, Greenwich, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulation of metal bodies. 1,867,362 ; July 12.

Lathrop, Hubbel, Greenwich, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic structure. 1,881,711 ; Oct. 11.

Lathrop, Lewis C., Houston, Tex. Oil trap and collector. 1,843,329 ; Feb. 2.

Latimer, Kenneth E., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmission system. 1,840,113 ; Jan. 5.

Latimer, Kenneth E., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Reducing crosstalk in cable systems. 1,888,558 ; Nov. 22.

Latimer, Roy S., Troy, N. Y. Heating apparatus. 1,869,939 ; Aug. 2.

Latimer, William J., Washington, D. C., H. A. Stahl, West Falls Church, Va., and G. J. Maldonado, Washington, D. C. ; said Stahl and said Maldonado assignors to said Latimer. Hillside catch basin. 1,865,322 ; June 28.

Latowski, John A. (See Crumb, C. F., and Latowski.)

Latrobe Tool Company. (See Fetner, William B., assignor.)

Latrobe Tool Company. (See Withers, Clarence S., assignor.)

Latshaw, Charles E., Minneapolis, Minn. Culinary implement. 1,856,769 ; May 3.

Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Braking apparatus. 1,871,021 ; Aug. 16.

Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Railway truck. 1,888,176 ; Nov. 15.

Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Truck brake rigging. 1,889,673 ; Nov. 29.

Latten, Mathias, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,845,426 ; Feb. 16.

Lattimer-Stevens Company, The. (See Noonan, Thomas F., assignor.)

Lattner, Emert J., Cedar Rapids, Iowa. Valve. 1,871,535 ; Aug. 16.

Latz, Harry, Service, Inc. (See Latz, Harry, assignor.)

Latz, Harry, assignor to Harry Latz Service, Inc., New York, N. Y. Advertising paper sheet. Des. 85,984 ; Jan. 12.

Latzko, Johann. (See Plechl, O., and Latzko.)

Latzko, Johann, Vienna, and O. Plechl, Pfaffstten, assignors to Oesterreichische Brown-Boveri-Werke A. G., Vienna, Austria. Indicating and recording apparatus. 1,869,221 ; July 26.

Lauber, William. (See Waechtler, Kurt O., assignor.)

Laubmeyer, Günther Kaes, Wilhelmshohe, Germany. Method of and apparatus for detecting the presence of profitable deposits in the earth. 1,843,878 ; Feb. 2.

Lauchenauer, Hermann, assignor to the Firm Maschinenfabrik A. G. Sibl & Co. Firm A. Schmid, Zurich, Switzerland. Centrifugal pump installation comprising an air-separating device. 1,855,061 ; Apr. 19.

Laucks, I. F., Inc. (See Banks, H. P., Davidson, Laucks, and Rippey, assignors.)

Laucks, I. F., Inc. (See Davidson, G., and Laucks, assignors.)

Laucks, I. F., Inc. (See Dike, Theodore W., assignor.)

Laucks, I. F., Inc. (See Laucks, I. F., Cone, and Dike, assignors.)

Laucks, I. F., Incorporated. (See Laucks, I. F., and Davidson, assignors.)

Laucks, Irving F. (See Banks, H. P., Davidson, Laucks, and Rippey.)

Laucks, Irving F. (See Davidson, G., and Laucks.)

Laucks, Irving F. (See Dike, T. W., Laucks, and Cone.)

Laucks, Irving F. (See Greene, H. C., and Laucks.)

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Glue. 1,845,427 ; Feb. 16.

Laucks, Irving F., and C. N. Cone, Seattle, Wash., and T. W. Dike, New Westminster, British Columbia, Canada, assignors to I. F. Laucks, Inc., Seattle, Wash. Hot gluing. 1,851,709 ; Mar. 29.

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Vegetable adhesive and making the same. 1,854,700 ; Apr. 19.

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Vegetable glue. 1,854,701 ; Apr. 19.

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Vegetable glue and making same. 1,854,702 ; Apr. 19.

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Vegetable protein glue and making. 1,854,703 ; Apr. 19.

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated. Seattle, Wash. Glue and method of making. 1,871,329 ; Aug. 9.

Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Adhesive and method of making. 1,883,989 ; Oct. 25.

Laucus, John, and A. C. Grunow ; said Grunow assignor to Henry P. Wray, Chicago, Ill. Indicating signal device 1,866,411 ; July 5.

Lauder, Arthur H., Schenectady, N. Y., assignor to General Electric Company. Brake mechanism. 1,847,881 ; Mar. 1.

Lauderman, Vincent A., assignor to The Champion Coated Paper Co., Hamilton, Ohio. Pigment for coated paper. 1,863,663 ; June 21.

Lauer, Rudolph L., Philadelphia, Pa. Conduit connecter. 1,882,021 ; Oct. 11.

Laughlin, Alexander, Jr., Margaret M. Laughlin, and The Union Trust Co., Pittsburgh, executors of A. Laughlin, Jr., deceased, assignors to Central Tube Company, Pittsburgh, Pa. Method and apparatus for the manufacture of tubes. 1,885,924 ; Nov. 1.

Laughlin, Margaret M., et al., executor. (See Laughlin, Alexander, jr.)

Laughlin, Samuel F. (See Braun, H. F., Laughlin, and Smith.)

Laughlin, William C., Kew Gardens, and A. B. Asch, Brooklyn, assignors to Filtration Equipment Corporation, New York, N. Y. Self-cleaning screen conveyer. 1,864,359 ; June 21.

Laughlin, William C., Kew Gardens, and A. B. Asch, Brooklyn, assignors to Filtration Equipment Corporation, New York, N. Y. Cleaning device for sewage filter beds. 1,872,759 ; Aug. 23.

Laughlin, William C., Kew Gardens, assignor to Filtration Equipment Corporation, New York, N. Y. Treating domestic sewage. 1,877,623 ; Sept. 13.

Laughlin, William C., Glendale, Calif., assignor to The L. A. B. Company, New York, N. Y. Automatic cleaning device for clarifiers. 1,881,712 ; Oct. 11.

Laughlin, William C., Glendale, Calif., assignor to The L. A. B. Company, New York, N. Y. Centripetal separator. 1,885,735 ; Nov. 1.

Laushridge, William S. (See Bruner, C. U., and Laughridge.)

Laughton, George A., Birmingham, England. Clasp for lingerie, hair, and like purpose. 1,870,014 ; Aug. 2.

Laukel, Arthur K., Detroit, Mich. Apparatus and process for making metal patterns. 1,845,052 ; Feb. 16.

Laukel, Arthur K., Detroit, Mich. Mold or matrix for plating. 1,875,346 ; Sept. 6.

Laukel, Arthur K., Detroit, Mich. Flexible and adjustable anode. 1,881,713 ; Oct. 11.

Laukel, Arthur K., Detroit, Mich. Electrolytic reproduction. 1,881,714 ; Oct. 11.

Laukel, John H., Detroit, Mich. Making core boxes. 1,845,502 ; Feb. 16.

Laukhuff, Alfred, Milwaukee, Wis. Gauge for use with curlers. 1,859,371 ; May 24.

Laumonier, Felix A., assignor to Cartier, Societe Anonyme, Paris, France. Cover for travelers' articles adapted to form a support. 1,880,887 ; Mar. 22.

Launder, Ernie L., Montebello, and W. T. Launder, Anaheim, Calif. Brake operating mechanism. 1,877,408 ; Sept. 13.

Launder, William T. (See Launder, Ernie L., and W. T.)

Lauppe, Lorris R., and R. E. Lauppe, Sacramento, Calif. Power operated buckrake. 1,880,262 ; Oct. 4.

Lauppe, Raymond E. (See Lauppe, Lorris R., and R. E.)

Laur, Hermann, Kehl, Germany. Link for serial lamp supports. 1,857,109 ; May 3.

Laura, William E., San Jose, Calif. Windshield bracket. Des. 86,575 ; Mar. 22.

Laurain, Alfred, Paris, France. Brace for personal wear. 1,869,263 ; July 26.

Laurence, Gordon, Kew Gardens, assignor to I. C. Smith & Corona Typewriters Inc., New York, N. Y. Copyholder for typewriters. 1,881,715 ; Oct. 11.

Laurencich, Arthur, Washington, D. C. Carburetor attachment. 1,872,762 ; Aug. 23.

Laurency, Guillaume C., La Hulpe, Belgium. Carding engine. 1,862,542 ; June 7.

Laurency, Guillaume C., La Hulpe, Belgium. Process for converting the webs from the carding engines into fine rovings for spinning. 1,864,271 ; Nov. 1.

Laurent, Adrien. (See Oser, A., and Laurent.)

Laurent, Leo, St. Junien, France. Machine for sharpening of saws. 1,874,315 ; Aug. 30.

Laurent, Torbern, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Voltage measuring arrangement. 1,857,247 ; May 10.

Laursen, Laurits A., assignor of one-fourth to P. L. Laursen, Akron, Ohio. Forming rubber tires. 1,862,314 ; June 7.

Laursen, Pearl L. (See Laursen, Laurits A., assignor.)

Laury, N. Arthur, Rockville Center, assignor to John C. Wiarda & Company, Brooklyn, N. Y. Electrolytic treatment of manganese bearing material. 1,878,244 ; Sept. 20.

Laury, Napoleon A., Rockville Center, N. Y., assignor, by mesne assignments, to The Calco Chemical Company, Inc. Making sulphur trioxide and catalyst for use in said method. 1,862,825 ; June 14.

Lausen, Christian A. (See Hamilton, S. A. B., and Lausen.)

Laussucq, Henri P. L., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Press for fiber boards. 1,854,341 ; Apr. 19.

Lauster, John J., New York, N. Y., assignor to G. T. Kitchings, Maplewood, N. J. Nonreuseable coupling. 1,854,048 ; Apr. 12.

Lauszat, Gustav, Milwaukee, Wis. Propeller. 1,888,681 ; Nov. 22.

Lautenschläger, Carl L., Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Preparations having an action like tuberculin and producing them. 1,850,556 ; Mar. 22.

Lautenschläger, Carl L., Frankfort-on-the-Main, W. Ladwig, Frankfort-on-the-Main-Hochst, and O. Schaumann, Wiesbaden, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Obtaining active substances from hypophysis glands. 1,860,469 ; May 31.

Lauter, Fred L., New York, N. Y. Bearing and shaft. 1,856,770 ; May 10.

Lauter-Humana Co. (See Cameron, Charles E., jr., assignor.)

Lauter-Philip. (See Pospisil, Joseph, assignor.)

Lauter, Philip, New York, N. Y. Electric outlet plug. Des. 86,613 ; Mar. 29.

Lauter, Samuel, Chicago, Ill. Blower for heating plants. 1,879,342 ; Sept. 27.

Lauter, Werner M. (See Christiansen, W. G., and Lauter.)

Lauterbach, John, assignor to Horrocks-Ibbotson Company Utica, N. Y. Fishing reel. Des. 86,615 ; Mar. 29.

Lauterbach, Max M., Troy, N. Y. Rolling mill. 1,843,395 ; Feb. 2.

Lauterbur, Edward J. (See Lauterbur, Frank X., and E. J., assignor.)

Lauterbur, Edward J. (See Lauterbur, Frank X., and E. J., and Mintchell J.

Lauterbur, Frank X. and E. J., Sidney, Ohio. Weighing, blending, conveying, elevating, and sifting machine. 1,861,803 ; June 7.

Lauterbur, Frank X. and E. J., Sidney, Ohio. Dough molding machine. 1,870,256 ; Aug. 9.

Lauterbur, Frank X. and E. J., Sidney, Ohio. Dough molding apparatus. 1,870,257 ; Aug. 9.

Lauterbur, Frank X., E. J. Lauterbur, and H. L. Mintchell, assignors to The Perfect Bread Machine Company, Sidney, Ohio. Water softening apparatus and process of softening water. 1,885,454 ; Nov. 1.

Lauterbur, Frank X. and E. J., Sidney, Ohio. Furnace and fuel feed control. 1,891,100 ; Dec. 13.

Lauterstein, Harry W., Montclair, N. J. Door bed. 1,876,827 ; Sept. 6.

Lauw, John (See Davis, D. W., and Lauw.)

Lauz, Julius, Uerdingen/Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Oxidic pigments and producing the same as by-products of the reduction of aromatic nitrocompounds. 1,849,428 ; Mar. 15.

Lauz, Julius, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of iron oxide pigments. 1,857,557 ; May 10.

Lauz, Paul J., Shavertown, Pa. Guard for spinning machines. 1,860,039 ; May 24.

Lauz, Philip. (See Andrews, John S., assignor.)

Lava Crucible Company of Pittsburgh. (See Hanauer, Albert M., assignor.)

Lava Crucible Company. (See White, Harold E., assignor.)

Lava Crucible Company of Pittsburgh. (See South, Richard P., assignor.)

Lava Spring Company of Pittsburgh. (See White, Harold E., assignor.)

La Valle, Dominick. (See Gabriel, Pasquale T., assignor.)

Lavaline, Joseph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Heat treatment of piezo-electric-crystal sections. 1,848,893 ; Mar. 8.

Lavarack, Frederick C., Montclair, N. J., and W. B. Lavarack, Pine Bush, assignors to Railroad Accessories Corporation, New York, N. Y. Trunking riser connecter. 1,887,272 ; Nov. 8.

Lavarack, William H. B. (See Lavarack, F. C. and W. H. B.)

Lavarack, William H. B., Pine Bush, assignor to Railroad Accessories Corporation, New York, N. Y. Trunking riser connecter. 1,887,271 ; Nov. 8.

Lavarack, William H. B., Pine Bush, assignor to Railroad Accessories Corporation, New York, N. Y. Railway signaling track diagram. 1,890,122 ; Dec. 6.

La Veck, Louis, Brooklyn, N. Y. Paper napkin, towel, and the like. 1,878,866 ; Sept. 20.

Lavelle, Thomas B., Hempstead, N. Y. Lateral control means for airplanes. 1,857,962 ; May 10.

Laven, Louis, Springfield, Mass. Inside sun visor for vehicles. 1,849,353 ; Mar. 15.

Lavenson, Jay, Jenkintown, Pa., assignor to Pioneer Suspender Company. Buckle. 1,841,134 ; Jan. 12.

Lavet, Marius, assignor to Etablissements Léon Hatot, Paris, France. Electromagnet. 1,847,012 ; Feb. 23.

La Veyssiere, Marie B. (See Marguet, C., and La Veyssiere.)

Lavezzi, Samuel J., Chicago, Ill. Clip. 1,881,716 ; Oct. 11.

Laviano, Benjamin. (See Campagna, S., Alesse, and Laviano.)

Lavietes, David P., Brooklyn, N. Y. Tobacco pipe. 1,888,462 ; Nov. 22.

La Vigne, George J., New Haven, Conn., assignor to The Greist Manufacturing Company. Sewing machine binder. 1,850,152 ; Mar. 22.

La Vigne, George J., assignor to The Greist Manufacturing Company, New Haven, Conn. Portable lamp. 1,879,343 ; Sept. 27.

LaVigne, George J., and W. C. Greist, assignors to The Greist Manufacturing Company, New Haven, Conn. Portable lamp. 1,865,928 ; July 5.

Lavoie, Alexis, St. Gabriel East, Quebec, Canada. Animal trap. 1,886,203 ; Nov. 4.

Lavoie, Alphonse J., assignor to General Motors Corporation, Detroit, Mich. Divided transversely mounted change speed for front wheel drives. 1,856,284 ; May 3.

Law, Charles R., W. and C. T., assignors to The Law Company, Incorporated, Mansfield, La. Valve. 1,875,035 ; Aug. 30.

Law, Charles T. (See Law, Charles R., W., and C. T.)

Law Company, The. (See Law, Charles R., W., and C. T., assignors.)

Law, James A., Ascot Vale, Victoria, Australia. Method and mold for molding hollow rubber articles. 1,877,673 ; Sept. 13.

Law, Onnie B., R. S. Colley, and C. C. Soper, Kent, Ohio ; said Colley and said Soper, assignors to said Law. Swivel seat. 1,876,308 ; Sept. 6.

Law, Otis E., Brookline, assignor, by direct and mesne assignments, to Allen Free-Wheeling Corporation, Chicago, Ill. Differential power transmission mechanism. 1,887,208 ; Nov. 8.

Law, Ray B., Muscatine, Iowa. Valve spring compressor. 1,878,280 ; Sept. 20.

Law, William. (See Law, Charles R., W., and C. T.)

Lawaczeck Gesellschaft mit beschrankter Haftung. (See Niederreither, Hans, assignor.)

Lawarree, Henri, Brussels, Belgium. Manufacturing alkali metal nitrates. 1,891,426 ; Dec. 20.

Lawe, Alfred H., Biddeford, Me., assignor to Saco-Lowell Shops, Newton Upper Falls, Mass. Device for holding spinning rings. 1,858,672 ; May 17.

Lawhorn, William H., Dallas, Tex. Check protector. 1,864,907 ; Jan. 26.

Lawhorne, Roy E., Santa Barbara, Calif. Expanding coach. 1,864,047 ; June 21.

Lawler, James J., Mount Vernon, N. Y. Thermostatic control valve. 1,860,189 ; May 24.

Lawler, James J., Mt. Vernon, N. Y. Automatic mixing valve. 1,879,344 ; Sept. 27.

Lawler, James J., Mt. Vernon, N. Y., assignor to Direct Control Valve Company, Chicago, Ill. Device for protecting sewers. 1,850,282 ; Mar. 22.

Lawler, James R., Glencoe, Ill., assignor to Direct Control Valve Company, Chicago, Ill. Radiator valve. Des. 86,678 ; Apr. 5.

Lawler, Samuel, Spring Valley, N. Y. Bottle cap wrench. 1,853,735 ; Apr. 12.

Lawlor Simeon C., Chicago, Ill. Window pole. 1,865,526 ; July 5.

Lawn, Gordon W. (See Soyster, C. J., assignor, and Gordon.)

Lawner, Nicholas, assignor to American Sundries Co. Inc., Brooklyn, N. Y. Electric vaporizer. 1,878,587 ; Sept. 20.

Lawrason, Levering. (See Girvin, Charles W., assignor.)

Lawrence, A. C., Leather Company. (See Bell, Kenneth E., assignor.)

Lawrence, A. C., Leather Company. (See Griffin, Roger L., assignor.)

Lawrence, Almon R., Medford, assignor to Underground Steam Construction Company, Boston, Mass. Underground conduit. 1,853,720 ; Apr. 12.

Lawrence, Alvah H., Hamlet, Ind. Dirigible air sailing craft. 1,879,345 ; Sept. 27.

Lawrence, Beardsley, Marion, assignor to T. Stuart & Son Company, Newton, Mass. Method and apparatus for laying pipe under water. 1,839,322 ; Jan. 6.

Lawrence, Edward B., assignor to The Duraloy Company, Pittsburgh, Pa. Heat treating steel. 1,853,439 ; Apr. 12.

Lawrence, Frank S. (See Ost, William R., and Lawrence.)

Lawrence, Frank S., Dunellen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Pressure regulator. 1,860,350 ; May 31.

Lawrence, Frank S., Dunellen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Circumferential pipe cutting or welding machine. 1,879,346 ; Sept. 27.

Lawrence, Franklin, assignor to Portland Stove Foundry Co., Portland, Me. Controlling device for alternative fluid supply. 1,873,897 ; Aug. 23.

Lawrence, George L., Melrose, assignor to Tyler Rubber Company, Andover, Mass. Making golf club grips. 1,891,556 ; Dec. 20.

Lawrence, George R., Chicago, Ill. Combustible mixture supply for internal combustion engines. 1,839,791 ; Jan. 5.

Lawrence, George R., Chicago, Ill. Combustible mixture supply for internal combustion engines. 1,839,792 ; Jan. 5.

Lawrence, Harold E., and O. H. Crone, assignors to Dempster Mill Manufacturing Company, Beatrice, Nebr. Well casing joint. 1,881,717 ; Oct. 11.

Lawrence, Harry W., Denver, Colo., assignor to Jewelite Inc. Electric sign. 1,855,297; Apr. 26.
Lawrence, Harvy W. (See Enochs, R. E., and Lawrence.)
Lawrence, John D., Stouchsburg, Pa. Folding chair. 1,841,744; Jan. 19.
Lawrence Paper Company, The. (See Anderson, Roy D., assignor.)
Lawrence, Ralph E., Wickliffe, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Flaked leaf acetate. 1,842,908; Jan. 26.
Lawrence, Theodore M., Seattle, Wash. Artificial limb cast. 1,843,961; Feb. 2.
Lawrence, Theophilus R., Oakland, Calif. Piston ring contractor. 1,891,560; Dec. 20.
Lawrence, Winthrop E., Brooklyn, assignor to Kaumagraph Company, New York, N. Y. Transfer. 1,858,673; May 17.
Lawrys, Emil, Detroit, Mich. Cutting or threading tool. 1,839,684; Jan. 5.
Lawsenz, Ernest, St. Joseph, Mich. Combination table. 1,844,046; Feb. 9.
Lawrie, James W., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Distillation of fermentation glycerine. 1,881,718; Oct. 11.
Lawser, Charles W., Bala, assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Godet wheel for artificial silk spinning machines. 1,854,170; Apr. 19.
Lawshe, Allison R., Trenton, N. J. Making colored photographic positives. 1,871,622; Aug. 16.
Lawson, Albert R., Hamilton, Ontario, Canada. Manifolding check book. 1,879,347; Sept. 27.
Lawson, Albert R., Hamilton, Ontario, Canada, assignor, by mesne assignments, to J. W. Anderson, New York, N. Y. Manifolding book and the like. 1,842,032; Jan. 19.
Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon sheet material. 1,889,992; Dec. 6.
Lawson, Charles E., Utica, Ohio. Pneumatic tire core. 1,879,348; Sept. 27.
Lawson, Edith C., Geneva, N. Y. Teakettle. 1,852,084; Apr. 5.
Lawson, Harold, Little Rock, Ark. Device for measuring and dispensing ice cream. 1,854,265; Apr. 19.
Lawson, Jessie R., assignor to Jarman Shoe Company, Nashville, Tenn. Shoe lining and manufacture. 1,852,422; Apr. 5.
Lawson, Joel S., St. James, N. Y. Combination air-brake switch. 1,882,403; Dec. 27.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Producing knitted fabrics having lap strips of one yarn varied and the resulting fabric. 1,848,362; Mar. 8.
Lawson, John and R. H., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, Mass. Mechanism for patterning control of knitting machines. 1,858,301; May 17.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Machine for knitting split fabric. 1,862,021; June 7.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Jacquard pattern mechanism for knitting machines and method of patterning effected thereby. 1,872,596; Aug. 16.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Jacquard pattern mechanism for knitting machines. 1,872,597; Aug. 16.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Jacquard pattern mechanism for knitting machines and patterning effected thereby. 1,872,598; Aug. 16.
Lawson, John and R. H. Lawson, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism and process for producing knitted fabric having lap stripes. 1,872,760; Aug. 23.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Fall, R. I. Horizontal striping attachment for circular knitting machines. 1,877,907; Sept. 20.
Lawson, John, and R. H. Lawson, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Tensioning means for plating knitting machines. 1,882,429; Oct. 11.
Lawson, John F., Brooklyn, N. Y. Method of and apparatus for electric resistance welding. 1,850,176; Mar. 22.
Lawson, John W. (See Dyer, J. B., and Lawson.)
Lawson, Lawrence E., assignor to Safety Mining Company, Chicago, Ill. Heater construction. 1,843,726; Feb. 2.
Lawson, Lawrence E., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge and for operating same. 1,856,849; May 3.
Lawson, Paul C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for sealing laminated Glass. 1,841,745; Jan. 19.
Lawson, Paul C., and C. B. Schafer, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Adjustable template. 1,860,319; May 24.
Lawson, Paul C., and C. B. Schafer, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Undercutting machine. 1,891,284; Dec. 20.
Lawson, Robert H. (See Lawson, J. and R. H.)
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon blocks. 1,839,852; Jan. 5.
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail supplying apparatus. 1,839,853; Jan. 5.
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,854,204; Apr. 19.
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening lasserting machine. 1,854,205; Apr. 19.
Lawson, Robert H., Beverly Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,854,590; Apr. 19.
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanical movement. 1,854,658; Apr. 19.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Thread feeding knitting machines. 1,842,674; Jan. 26.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric having elastic courses. 1,843,086; Jan. 26.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and method. 1,845,669; Feb. 16.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting stitch measuring mechanism and process. 1,882,430; Oct. 11.
Lawson, Robert H., and W. L. Smith, jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Stocking or half hose and making the same. 1,863,719; June 21.
Lawson, Robert H., and W. L. Smith, jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine and method of knitting. 1,863,720; June 21.
Lawson, Robert H., Pawtucket, and Augustin Gagné, assignors to Hemphill Company, Central Falls, R. I. Knitting machine operating mechanism. 1,882,431; Oct. 11.
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 1,883,990; Oct. 25.
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Method of and attachment for running-on knitting fabrics. 1,891,560; Dec. 20.
Lawson, Walter E. (See Burke, C. E., and Lawson.)
Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing vinyl derivatives. 1,867,040; July 12.
Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing vinyl derivatives. 1,891,606; Dec. 20.
Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsymmetrical diaryl ethanes as plasticizers. 1,891,607; Dec. 20.
Lawson, Walter E., and J. H. Werntz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl derivative and process of making same. 1,881,282; Oct. 4.
Lawton, George, and W. H. Dearden, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Manufacture of magnetic material. 1,891,235; Dec. 20.
Lawton, Glenn C., Phoenix, Ariz. Double break-double throw electrical switch and single break-double throw switch. 1,887,027; Nov. 8.
Lawton, James A., Middletown, Conn. Medicament carrier. 1,839,486; Jan. 5.
Lawton, Joseph J., Syracuse, assignor to Semet-Solvay Company, New York, N. Y. Motor fuel process. 1,878,932; Sept. 20.
Lawton, Joseph J., Syracuse, assignor to Semet-Solvay Company, New York, N. Y. Treating sludge acid. 1,878,933; Sept. 20.
Lawton, Robert B. (See Johnson, J. F., and Lawton.)
Laxer, Harry M., assignor to Marvelite Products Corporation, New York, N. Y. Apparatus for producing moving picture effects. 1,891,561; Dec. 20.
Lay, Charles H., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,842,413; Jan. 26.
Lay, Charles H., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,846,509; Feb. 23.
Layhon, Arthur J., Lowell, assignor of one-half to R. Dunsford, Chelmsford, Mass. Automobile shock absorber. 1,884,283; Feb. 23.
Laymon, Herman B., Spencer, Ind. Bag. 1,858,159; May 10.
Layne & Bowler Corporation. (See Whann, Jesse P., assignor.)
Layne, Leslie A. (See Wilkinson, Ernest, assignor.)
Layne, Leslie A., and A. L. Roco, Houston, Tex.; said Roco assignor to said Layne. Setting tool. 1,870,779; Aug. 9.
Layne, Olyn A., Los Angeles, Calif. Well screen. 1,854,917; Apr. 19.
Laying, Thomas E. (See Parr, S. W., and Layng.)

Layton, Horace E., Franklin, Pa. Wrench for screw caps for jars and like containers. 1,890,908; Dec. 13.
Lazar, Arthur, Associated, assignor to Associated Oil Company, San Francisco, Calif. Treating hydrocarbon oils. 1,885,524; Nov. 1.
Lazarus, Peter L., St. Louis, Mo. Clothes hanger. 1,863,664; June 21.
Lazich, Branko, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,840,114; Jan. 5.
Lazich, Branko, Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,885,925; Nov. 1.
Lazier, Wilbur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of carboxylic acids. 1,839,974; Jan. 5.
Lazier, Wilbur A., assignor to E. I. du Pont de Nemours Company, Wilmington, Del. Catalytic production of esters. 1,857,440; May 10.
Lazow, Morris, Brooklyn, N. Y. Cardboard cigar box. 1,890,817; Dec. 13.
Lea, Edward S., Merrtisville, Pa., assignor to Carrier Engineering Corporation, Newark, N. J. Machine mounting. 1,871,708; Aug. 16.
Lea Fabrics, Inc. (See Billington, Malcolm, assignor.)
Lea Fabrics Inc. (See Ward, Ernest H., assignor.)
Lea Fabrics, Inc. (See Ward, E. H., and Jegge, assignors.)
Lea, Henry I., Los Angeles, Calif. Distillation system. 1,845,189; Feb. 16.
Lea, Henry I., Santa Monica, Calif. Still. 1,889,254; Nov. 29.
Lea, James E., Manchester, England. Apparatus for the measurement of granular materials. 1,840,455; Jan. 12.
Lea, W. E., et al. (See Brent, George R., assignor.)
Leach Company. (See Leach, E. C., and Hamren, assignors.)
Leach, Albert C., and E. O. Hamren, assignors to Leach Company, Oshkosh, Wis. Water-controlling apparatus for concrete mixers. 1,844,665; Feb. 9.
Leach, Burton W., Jr., Johnson, L. E., and Leach.)
Leach, Guy M., Detroit, Mich. Spring shoe attachment. 1,858,833; May 17.
Leach, Harry C. (See Derby, J. H., and Leach.)
Leach, Marion R. (See Scott, K. L., Kirby, and Leach.)
Leach, Robert H. (See Bassett, W. H., jr., and Leach.)
Leach, Robert H., assignor to Audley Engineering Company Limited, Newport, England. Valve or cock. 1,882,287; Oct. 11.
Leach, Vernon G., Chicago, Ill. Method and burner for burning powdered fuel. 1,839,685; Jan. 5.
Leach, Vernon G., assignor to Modern Coal Burner Company, Chicago, Ill. Mechanical underfeed stoker. 1,867,573; July 19.
Leach, Vernon G., assignor to Modern Coal Burner Company, Chicago, Ill. Electrical control device. 1,881,719; Oct. 4.
Leach, Vernon G., assignor to Modern Coal Burner Company, Chicago, Ill. Mechanical underfeed stoker. 1,881,720; Oct. 4.
Leach, William B., jr., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Discharging liquefied gas. 1,893,983; Apr. 12.
Leader Card Works. (See Wilke, Gustave A., assignor.)
Leagum Corporation of Delaware. (See Pierson, Willett C., assignor.)
Leahy, Frank E., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Furnace. 1,856,645; May 3.
Leahy, Frank E., Pittsburgh, Pa., assignor to Republic Flow Meters Co., Chicago, Ill. Control mechanism for gas producers. 1,865,929; July 5.
Leahy, Herbert V., Los Angeles, Calif. Atomizing oil burner. 1,874,017; Aug. 30.
Leahy, Herbert V., Los Angeles, Calif. Furnace construction. 1,889,615; Dec. 6.
Leahy, James F., assignor to Farrel Birmingham Company, Inc., Buffalo, N. Y. Gear cutter. 1,867,161; July 12.
Leahy, John H., St. Louis, Mo. Capping machine. 1,882,330; Oct. 11.
Leak, Arthur H. (See Nutt, A., and Leak.)
Leake, Hugh M., Cambridge, England. Seed drill. 1,875,036; Aug. 30.
Leake, Percy M., et al. (See Jones, Clarence M., assignor.)
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,852,423; Apr. 5.
Leaman, Thomas P., Hempstead, assignor to Amphibious, Inc., Garden City, N. Y. Airplane construction. 1,863,602; June 21.
Leaming, David C., Spokane, Wash. Speed indicator switch. 1,890,855; Dec. 13.
Leamon Process Company, The. (See Leamon, William G., assignor.)
Leamon, William G., Newark, Ohio, assignor, by mesne assignments, to The Leamon Process Company. Oil conversion. 1,861,399; May 31.
Leander Development Corporation. (See Athana, Jacquelyn H., assignor.)
Leander Development Corporation. (See Myers, Willard G., assignor.)
Leanhart, Jacob F., Louisville, Ky. Condenser for automobile radiators. 1,846,974; Feb. 23.
Leap, Earl J., Madley, Pa. Stone crusher. 1,863,492; June 14.
Leaper, Joseph M., assignor to E. F. Houghton and Company, Philadelphia, Pa. Inhibitor and the use thereof. 1,881,721; Oct. 11.
Leaper, Joseph M. F., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Making mercaptans. 1,842,414; Jan. 26.
Leaper, Joseph M. F., Buffalo, assignor to The Barrett Company, New York, N. Y. Concentrating ores by flotation. 1,878,154; Sept. 20.
Leaper, Joseph M. F., and R. W. Hess, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Making sulphur dyes. 1,862,575; June 14.
Lear, Arthur F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,840,817; Jan. 12.
Lear, Arthur F., Brooklyn, assignor to Underwood, Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,851,049; Mar. 29.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for rock drills. 1,861,966; June 7.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,865,637; July 5.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for percussive tools. 1,877,771; Sept. 20.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device for rock drills. 1,889,409; Nov. 29.
Learned, Edwin J. (See Keown, John M., assignor.)
Leary, Eugene A., Cincinnati, Ohio. Support structure. 1,870,915; Aug. 9.
Leary, James W., Bloomfield, N. J., assignor to American Machine & Foundry Company. Dust-distributor for cigarette machine hoppers. 1,878,012; Sept. 6.
Leas, William E. (See Lefevre, W. E., and Leas.)
Lease, Art A., and J. F. Peters, jr., Lead, S. Dak. Bore hole surveying instrument. 1,856,220; May 3.
Lease, Frederick N., El Cerrito, Calif. Vehicle signal. 1,855,298; Apr. 26.
Leaside Engineering Company, Limited. (See Jackson, M. B., and Clipsham, assignors.)
Leaside Engineering Co., Limited. (See Jackson, M. B., and Clipsham, assignors.)
Leask, John P., Stamford, and H. T. Dyer, Greenwich, Conn., assignors to Peabody Engineering Corporation, New York, N. Y. Method of and apparatus for burning finely divided fuel. 1,858,674; May 17.
Leask, John P., Glenbrook, Conn., and S. T. Warner, New York, N. Y., assignors to Peabody Engineering Corporation. Method of and apparatus for the regulation of viscosity of liquids. 1,881,200; Oct. 4.
Leather Equipment Co. (See Argabrite, George M., assignor.)
Leather Equipment Company. (See Horsting, William F., assignor.)
Leavens, J. G. (See Vincent, L. H., assignor.)
Leaver, James M., jr. (See Parker, George D., assignor.)
Leavitt, Byron C., Duxbury, Mass. Invalid lifter. 1,878,785; Sept. 20.
Leavitt Machine Company, The. (See Albee, Hugh M., assignor.)
Leavy, Nathan J., Los Angeles, Calif. Bottle closure and sediment trap. 1,865,023; June 28.
Lebanon Steel Foundry. (See Bensing, Le Rue P., assignor.)
Le Barbier, Emile P. L., Nice, France. Stereoscopic cinematography. 1,864,445; June 21.
Lebeau, Yves G., assignor to Societe A Responsabilite Limitee Chambet & Cie, Paris, France. Protective stocking. 1,856,102; May 3.
Le Beaumont, Roland W., Syracuse, N. Y. Label holder. 1,863,656; June 28.
Lebedinsky, Myron, assignor to Societe des Telephones Grammont, Paris, France. Filter for preventing distortion. 1,866,655; July 12.
Leben, Henry, Harrow, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric protective system. 1,840,011; Mar. 8.
Leben, Henry, Harrow, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric protective relay. 1,869,222; July 26.
Leben, Henry, Newcastle-upon-Tyne, and N. Cooke, Sunderland, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric protective system. 1,870,518; Aug. 9.
Leberman, Harry, assignor to Groove Lock Co., Inc. New York, N. Y. Fastening means for bag frames. 1,875,037; Aug. 30.
Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device for bags. 1,878,413; Sept. 20.
Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device for bags. 1,888,230; Nov. 22.
Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Support. 1,840,400; Jan. 12.
Lebherz, John C., Nenana, Alaska. Pliers. 1,860,290; May 24.
Leblanc, Leon, La Couture Boussey, France. Saxophone. 1,840,486; Jan. 12.

Leblanc, Maurice A. E., Suresnes, France, assignor, by mesne assignments, to General Electric Vapor Lamp Company, Hoboken, N. J. Operating mercury switches. 1,844,402; Feb. 9.

Leblanc, Maurice A. E., Suresnes, France, assignor, by mesne assignments, to General Electric Vapor Lamp Company, Hoboken, N. J. Operating mercury switches. 1,844,403; Feb. 9.

Leiland Aircraft Engine Corporation, The. (See Angle, Glenn D., assignor.)

Le Bleu, Charles, Los Angeles, Calif. Scraper and apron. 1,858,111; Dec. 20.

Le Bleu, Charles, Los Angeles, Calif. Scraper for digging or leveling. 1,891,428; Dec. 20.

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., and Siekman, assignors.)

Lebo, Robert B. (See Archibald, F. M., and Lebo.)

Lebo, Robert B., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for counter current treatment. 1,865,024; June 28.

Lebo, Robert B., Elizabeth, N. J., assignor to Standard Oil Development Company. Purification of alcohol. 1,870,815; Aug. 9.

Lebo, Robert B., Elizabeth, N. J., assignor to Standard Oil Development Company. Formation of alcohols. 1,877,908; Sept. 20.

Le Bocuf, Eugene, Springfield, Mass. Fountain pen. 1,851,257; Mar. 29.

Lebon, Charles B., sr. (See Gray, T. W., Lewis, and Lebon.)

Lebon, Irene G. (See Knauer, John H., assignor.)

Lebrun, Paul F. J., Montreal, Quebec, Canada. Ozonizer. 1,845,670; Feb. 16.

Le Bus, Frank L., Electra, Tex. Well drilling appliance. 1,868,436; Aug. 16.

Le Bus, John E., Electra, assignor, by mesne assignments, to O'Donohoe Detachable Blade Drilling Bit Company, Wichita Falls, Tex. Interchangeable blade for drill bits. 1,843,136; Feb. 2.

Lecarpentier, George H., Chicago, assignor to A. G. McCaleb, Evanston, Ill. Automatic drain. 1,852,246; Apr. 5.

Lecarpentier, George H., Chicago, assignor to A. G. McCaleb, Evanston, Ill. Liquid cooling apparatus for internal combustion engines. 1,861,804; June 7.

Lechelt, Theodor. (See van Alphen, J. C., ter Haak, and Lechelt.)

Lecher, Hans, Leverkusen-on-the-Rhine, and A. Koch, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerized butadiene hydrocarbons in the emulsified state. 1,851,104; Mar. 29.

Lechler, Paul, Firma. (See Müller, Karl, assignor.)

Lechler, A., et al. (See Schlaepfer, Arnold, assignor.)

Lecocq Maurice C. H. O. Cambrai France. Weaving apparatus. 1,862,962; June 14.

Le Compte, Edward J., and C. A. Harrisson, assignors to National Oil Drill Corporation, St. Louis, Mo. Rotary oil well drilling apparatus. 1,891,328; Dec. 20.

Le Compte, Edward J., and C. A. Harrisson, assignors to National Oil Drill Corporation, St. Louis, Mo. Braking mechanism for rotary oil well drilling apparatus. 1,891,329; Dec. 20.

Le Compte, Edward J., and C. A. Harrisson, assignors to National Oil Drill Corporation, St. Louis, Mo. Signaling means for rotary oil well drilling. 1,891,330; Dec. 20.

Lecomte, Gustave, Boussillon, France, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Fabrication of textile fibers. 1,856,713; May 3.

LeCount, George E., Pittsfield, Mass., assignor to General Electric Company. Spring drive. 1,891,101; Dec. 13.

Ledbetter, James C., Brooklyn, N. Y. Electric steam iron. 1,843,568; Feb. 2.

Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,855,111; Apr. 19.

Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Press. 1,860,508; May 31.

Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Conveyer garment press. 1,875,038; Aug. 30.

Ledbetter, James C., Jackson Heights, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,873,608; Aug. 23.

Ledbetter, Roy H., Fairfield, Ala. Blast furnace tuyère. 1,849,718; Mar. 15.

Ledbetter, Roy H., Fairfield, Ala. Fin nosed tuyère. 1,887,029; Nov. 8.

Leddy, James, San Francisco, Calif. Shoe repairing jack. 1,854,591; Apr. 19.

Ledeboer, John W., assignor to Ambler Asbestos Shingle & Sheathing Company, Ambler, Pa. Colored cement product. 1,844,404; Feb. 9.

Ledeboer, John W., assignor to Ambler Asbestos Shingle & Sheathing Company, Ambler, Pa. Cement product. 1,856,570; May 3.

Ledeboer, John W., Ambler, Pa., assignor to Ambler Asbestos Shingle & Sheathing Company. Panel board. 1,866,856; July 12.

Ledel, Carl. (See Nicholas, M., Koller, Ledel, and Hussey.)

Lederer, Alphonse J., Providence, R. I. Table lighter. Des. 86,463; Mar. 8.

Lederer, Anton, Vienna, Austria, assignor to W. T. P. Hollingsworth, New York, N. Y. Discharge tube. 1,860,149; May 24.

Lederer, Ernest A. (See Marden, J. W., and Lederer.)

Lederer, Ernest A. (See Rich, M. N., and Lederer.)

Lederer, Ernest A., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Rectifier. 1,856,257; May 3.

Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron discharge device with cesiated cathode. 1,856,258; May 3.

Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron discharge device. 1,871,537; Aug. 16.

Lederer, Erwin B., assignor to Texas Pacific Coal & Oil Co., Fort Worth, Tex. Lubricating oil and producing the same. Re18,676; Nov. 29.

Lederer, Erwin B., Fort Worth, Tex. Reactivating clay. 1,872,988; Aug. 23.

Lederer, Henry & Bro., Inc. (See Butler, W. J., and Flynn, assignors.)

Lederer, Henry & Bro., Inc. (See Kilstrom, Axel, assignor.)

Lederer, Henry, & Bro., Inc. (See Rosenthal, Jack, assignor.)

Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay contact. 1,879,349; Sept. 27.

Lederer Manufacturing Company. (See Normandy, Willard D., assignor.)

Lederer, Sigmund, Providence, R. I. Bracelet chain. Des. 86,726; Apr. 12.

Lederman, John B., assignor to Hydro Electric Manufacturing Company, Milwaukee, Wis. Dishwashing machine. 1,843,727; Feb. 2.

Lederman, John E., assignor to Hydro Electric Manufacturing Company, Milwaukee, Wis. Dishwashing machine casing. 1,859,302; May 24.

Ledig, Kurt K., assignor to American Platinum Works, Newark, N. J. Alloy for pen points. 1,839,686; Jan. 5.

Ledig, Kurt K., assignor to American Platinum Works, Newark, N. J. Making dental pins. 1,869,817; Aug. 2.

Ledig, Willy, assignor to Patent-Treuhand-Gesellschaft Fuer Elektrische Gluhlampen m. b. H., Berlin, Germany. Ampul machine. 1,864,023; June 21.

Ledoux, John W., Swarthmore, Pa. Meter. 1,880,206; Oct. 4.

Ledoux, John W., Swarthmore, Pa. Meter. 1,889,994; Dec. 6.

Ledoux, John W., Swarthmore, Pa. Meter. 1,892,468; Dec. 27.

Ledoux, John W. Swarthmore, assignor, by mesne assignments, to Simplex Valve & Meter Company, Philadelphia, Pa. Fluid measuring mechanism. 1,843,330; Feb. 2.

Ledoux, Philip I., Claremont, N. H. Plow. 1,889,097; Nov. 29.

Le Duc, Emile J., Danville, Pa. Variety of rose. Pl. Pat. 45; Nov. 29.

Leduc, Fred C., Minneapolis, Minn, assignor, by mesne assignments, to Crane Co. Stop box for the curb valves of water mains. 1,890,618; Dec. 13.

Leduc, Joseph E., Montreal, assignor of one-half to P. A. Dionne, Westmount, Quebec, Canada. Respiratory mask. 1,850,016; Mar. 15.

Ledwinka, Hans, Koprivnice, Czechoslovakia. Motor vehicle driving device. 1,866,656; July 12.

Ledwinka, Joseph, Philadelphia, Pa. Vehicle body side construction. 1,844,099; Feb. 16.

Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction. 1,844,964; Feb. 16.

Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal roadster body. 1,844,966; Feb. 16.

Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal automobile body. 1,845,053; Feb. 16.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Roof construction. 1,855,747; Apr. 26.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Rear quarter window construction for vehicle bodies. 1,861,967; June 7.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body front construction. 1,862,022; June 7.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body tonneau construction unit. 1,867,851; July 19.

Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Device for attaching molding. 1,872,149; Aug. 16.

Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal vehicle body. 1,878,155; Sept. 20.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal vehicle body. 1,878,934; Sept. 20.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Making tubular articles. 1,880,095; Sept. 27.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal vehicle body. 1,883,991; Oct. 25.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction. 1,883,992; Oct. 25.

Ledwinka, Joseph, Philadelphia, and E. J. W. Ragsdale, Norristown, assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Fuselage construction. 1,859,144; May 29.

Lee, Adelbert E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Measuring instrument. 1,875,617; Sept. 6.

Lee, Alvin L. (See Govan, J. L., and Lee.)

Lee, Benjamin F., Spray, N. C. Electron tube amplification system. 1,865,573; July 5.

Lee, Benjamin F., Spray, N. C. Electron tube amplification system. 1,865,574; July 5.

Lee, Charles L., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,770; Aug. 23.

Lee, Charles L., Dayton, Ohio, and T. C. Van Degrift, assignors to General Motors Research Corporation, Detroit, Mich. Making metallic bellows. 1,854,944; Apr. 19.

Lee, Chris W., et al. (See Elliott, Ralph M., assignor.)

Lee, Claire M., assignor to The General Industries Company, Elyria, Ohio. 1,865,473; July 5.

Lee, Earle E., Zion, Ill. Heating device. 1,881,722; Oct. 11.

Lee Engineering Research Corporation. (See Lee, Royal, assignor.)

Lee, Frank H., assignor to The Frank H. Lee Company, Danbury, Conn. Hat construction and making the same. 1,869,315; Aug. 27.

Lee, Frank H., Company, The. (See Lee, Frank H., assignor.)

Lee, Franklin J., assignor to Hardwick Stove Company, Cleveland, Tenn. Cooking stove. Des. 86,780; Apr. 19.

Lee, Fred L., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Brush block assembly. 1,839,088; Jan. 5.

Lee, Fred L., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Duplicating punching machine. 1,873,935; Sept. 6.

Lee, Fred W., et al. (See Thomas, William M., assignor.)

Lee, Frederick W., Washington, D. C., assignor to The Union Switch and Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,855,639; Apr. 26.

Lee, George M. (See Cavers, T. W., and Lee.)

Lee, Gerhard M., Aurora, Ill. Perpetual calendar. 1,855,062; Apr. 19.

Lee, Harry, Livingston, Mont. Mobile kitchen chair. 1,876,700; Sept. 6.

Lee, Harry S., Detroit, Mich. Pump. 1,881,723; Oct. 11.

Lee, Henry B., assignor to The Gillette-Vibber Company, New London, Conn. Grounding fitting for electrical systems. 1,839,883; Jan. 5.

Lee, Henry R. (See Gubelmann, I., Henke, and Lee.)

Lee, Henry R. (See Gubelmann, I., and Lee.)

Lee, Herbert. (See Schlichopf, Jacob F., assignor.)

Lee, Hughie R. (See Searles, Burt, assignor.)

Lee, Ira E. (See Calcott, W. S., and Lee.)

Lee, Jack M., Rapid City, S. Dak., assignor to Lee Manufacturing Company, Shark ring. 1,853,129; Apr. 12.

Lee, James E., assignor to Challenge Machinery Company, Grand Haven, Mich. Printing press cylinder support. 1,839,588; Jan. 5.

Lee, James E., assignor to Challenge Machinery Company, Grand Haven, Mich. Printing press. 1,892,154; Dec. 27.

Lee, James E., Freeman Barney, and P. J. Beatty, assignors to Challenge Machinery Company, Grand Haven, Mich. Three-way chase lockup. 1,867,363; July 12.

Lee, James F., assignor to Hardwick Stove Company, Cleveland, Tenn. Cooking stove. Des. 86,779; Apr. 19.

Lee, Jerome, assignor to Hardwick Stove Company, Cleveland, Tenn. Stove leg. 1,867,948; July 19.

Lee, John A., Ogden, Utah. Combination tool. 1,882,288; Oct. 11.

Lee, John E. Dallas, assignor to Wonder Hoe Company, Fort Worth, Tex. Weeding tool. 1,886,560; Nov. 8.

Lee, John W., assignor to Delco Products Corporation, Dayton, Ohio. Drilling machine. 1,883,993; Oct. 25.

Lee, Lewis M., Shelby, Miss. Checkrow attachment for potato planters. 1,872,470; Aug. 16.

Lee, Leffman H., Bellevue, Pa. Fastening device. 1,865,866; July 5.

Lee, Leffman H., Bellevue, assignor of one-sixth to W. B. Wharton and one-sixth to J. M. Guthrie, Pittsburgh, Pa. Wall board fastener. 1,859,779; May 24.

Lee, Leffman H., Bellevue, assignor of one-sixth to W. B. Wharton and one-sixth to J. M. Guthrie, Pittsburgh, Pa. Fastening device. 1,862,152; June 7.

Lee, Leffman H., Bellevue, assignor of one-sixth to W. B. Wharton and one-sixth to J. M. Guthrie, Pittsburgh, Pa. Fastening device. 1,889,807; Dec. 6.

Lee, Leif, Youngstown, Ohio. Furnace. 1,883,383; Oct. 18.

Lee, Leif, Youngstown, Ohio. Pickling apparatus. 1,886,819; Nov. 8.

Lee, Leif, and H. H. Hamilton, Youngstown, Ohio. Heater. 1,851,851; Mar. 29.

Lee Manufacturing Company. (See Lee, Jack M., assignor.)

Lee Mfg. Co. (See May, Arthur L., assignor.)

Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,866,487; May 3.

Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,865,507; July 5.

Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,889,032; Nov. 29.

Lee, Reuben G. (See Flagstad, O. A., and Lee.)

Lee, Robert E., Fort Worth, Tex. Mechanism for drilling angular channels. 1,850,403; Mar. 22.

Lee, Robert Edward, Fort Worth, Tex. Drilling tool for lateral and angular drilling. 1,886,820; Nov. 8.

Lee, Roger F. (See Willshaw, H., Gorham, and Lee.)

Lee, Roger K., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Steering mechanism. 1,840,115; Jan. 5.

Lee, Roger K., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vibration damper. 1,872,763; Aug. 23.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,845,803; Feb. 16.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Pipe joint. 1,862,153; June 7.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Steering mechanism. 1,867,364; July 12.

Lee, Roger K., assignor to Packard Motor Car Company, Detroit, Mich. Counteracting torsional vibrations. 1,865,116; June 28.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Steering mechanism. 1,867,364; July 12.

Lee, Roger K., assignor to The Chrysler Corporation, Detroit, Mich. Balancing apparatus. 1,867,418; July 12.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Fastening means. 1,872,471; Aug. 16.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Step plate. 1,883,994; Oct. 25.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Oscillating joint. 1,856,646; May 3.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,867,365; July 12.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Radiator cap. 1,872,764; Aug. 23.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,872,765; Aug. 23.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,872,766; Aug. 23.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,872,767; Aug. 23.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,872,768; Aug. 23.

Lee, Roscoe F., Indianapolis, Ind. Mixer. 1,889,558; Nov. 29.

Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Variable speed transmission. 1,843,426; Feb. 2.

Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Exercising machine. 1,845,298; Feb. 16.

Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Electric motor. 1,857,202; May 10.

Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Engine. 1,876,506; Sept. 6.

Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Internal combustion engine. 1,876,507; Sept. 6.

Lee Rubber & Tire Corporation. (See Leopold, Frederick, jr., assignor.)

Lee, Sherman Q. (See Slidell, K., and Lee.)

Lee, Sherman Q., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Process and product of reenforcing bloated building material. 1,877,136; Sept. 13.

Lee, Sherman Q., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Progressively bloating earthly materials. 1,877,137; Sept. 13.

Lee, Sherman Q., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Producing a continuous slab of earthy material. 1,882,085; Oct. 11.

Lee, Sherman Q., and W. Hathaway, Madison, Wis.; said Lee, assignor, by mesne assignments, of his entire right to American Face Brick Research Corporation. Bloating and annealing cellular blocks. 1,877,138; Sept. 13.

Lee, Wellington B., New York, N. Y. Switch point protector. 1,848,363; Mar. 8.

Lee, William S. (See Chase, T. P., and Lee.)

Leeak, Francis J., Lansing, Mich. Piston salvaging device. 1,875,039; Aug. 30.

Leeb, Frank, Culver City, Calif. Lock. 1,879,350; Sept. 27.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Generator drive. 1,875,040; Aug. 30.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Control for battery charging and lighting systems. 1,875,041; Aug. 30.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Generator regulator. 1,875,042; Aug. 30.
Leece, Bennett M., Cleveland, and D. S. Cole, Cleveland Heights, assignors to The Leece-Neville Company, Cleveland, Ohio. Voltage regulation. 1,875,043; Aug. 30.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Leech, Alvin, Bridgeport, assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork, or other article of flatware. Des. 86,962; May 17.
Leeds & Northrup Company. (See Leeb, Frank, assignor.)
Leeds & Northrup Company. (See Bristol, Edward S., assignor.)
Leeds & Northrup Company. (See Browning, Bertie L., assignor.)
Leeds & Northrup Company. (See Doyle, Edgar D., assignor.)
Leeds & Northrup Company. (See Greer, Willard N., assignor.)
Leeds & Northrup Company. (See Parker, Henry C., assignor.)
Leeds & Northrup Company. (See Parker, H. C., and Greer, assignors.)
Leeds & Northrup Company. (See Schofield, William R., jr., assignor.)
Leeds & Northrup Company. (See Wunsch, Felix, assignor.)
Leedy, C. C., et al. (See Brent, George R., assignor.)
Leek, Albert E., assignor to Wigan Coal and Iron Company Limited, Wigan, England, separating device for solids and liquids. 1,858,160; May 10.
Leek, Albert E., assignor of sixty-five per cent to Wigan Coal & Iron Company, Limited, Wigan, England, Separation of solid and liquid materials from slurries or sludges. 1,861,537; June 7.
Leek, Thomas G. (See Statham, N., and Leek.)
Leeking, Mary E., Elizabeth, N. J. Mattress holder. 1,842,873; Jan. 26.
Leeman, Thomas P., Hempstead, assignor to Amphibions, Inc., Garden City, N. Y. Trimming device for airplanes. 1,867,162; July 12.
Leeman, Klaus, H. Lier, and O. Knecht, assignors to Chemical Works Formerly Sandoz, Basel, Switzerland. Manufacture of polyazo dyestuffs. 1,841,828; Jan. 19.
Leemann, Klaus, H. Lier, and O. Knecht, assignors to Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of polyazo dyestuffs. 1,885,609; Nov. 1.
Leeming-Joyce Co., Jersey City, N. J. Sound recording record. 1,840,323; Jan. 12.
Leeming, Harry T., Jersey City, N. J. Recording electrical impulses for producing pictures and sound. 1,841,540; Jan. 19.
Leenders, Matthias, Teyl, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. Pl. Pt. 38; Oct. 25.
Leenhouts, John W., Redondo Beach, Calif. Shaving brush. 1,840,589; Jan. 12.
Lees, Albert E. (See Reynolds, F., and Lees.)
Lees-Bradner Company, The. (See Lees, Ernest J., assignor.)
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Lees-Bradner Company, The. (See Schurr, Charles H.)
Lees, Ernest J., assignor to H. P. Bradner, Cleveland, Ohio. Machine and process for generating gears. 1,863,571; June 21.
Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Machine for cutting threads and cutting teeth in bodies. 1,863,570; June 21.
Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Thread milling machine. 1,883,995; Oct. 25.
Lees, Everard A., Central Falls, R. I. Toilet implement. 1,863,449; June 14.
Lees, Harry W. (See Draper, C. H., Lees, Grosser, and Runneberg.)
Lees, William H., Lowell, Mass. Decorative fabric. 1,840,747; Mar. 15.
Lees, William H., Lowell, Mass. Method of making an embossed fabric. 1,871,855; Aug. 16.
Leety, Harry E., J. A. Eckert, Pittsburgh, and A. W. Page, Penn Township, Allegheny County, assignors to P. Wall Mantning Company, Pittsburgh, Pa. Furnace. 1,887,855; Nov. 15.
Lefebick, Charles. (See Horochowsky, Anthony, assignor.)
Lefebure, Victor, London, England. Manufacture of plasters from anhydrite. 1,879,877; Sept. 27.
Le Febvre, Charles W., Chicago, Ill. Window and the like. 1,877,631; Sept. 13.
Lefebvre, Paul J. (See Defays, V. J., and Lefebvre.)
Le Fever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun. 1,856,285; May 3.
LeFever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun. 1,886,561; Nov. 8.
LeFever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Target. 1,886,562; Nov. 8.
Le Fever, John E., Tionaga, Ontario, Canada. Animal feeding device. 1,869,901; Aug. 2.
Lefevre, Auguste H., Butry sur Oise par Auvers, France. Reenforced concrete article. 1,851,710; Mar. 29.
Le Fevre, Edwin K., assignor to Whitfield Engineering Company, Washington, D. C. Air craft of the autorotor type. 1,864,157; June 21.
Lefevre, Emil B. G., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Upholstery button chain clip. 1,875,097; Aug. 30.
Lefevre, Emil B. G., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Device for upholstering vehicle doors. 1,888,720; Nov. 22.
Lefevre, Emil B. G., Detroit, and A. P. Fletcher, Huntington Woods, assignors to Ford Motor Company, Dearborn, Mich. Door hinge. 1,840,907; Jan. 12.
Le Fevre, John S., assignor of one-fourth to W. L. Scott, and one-fourth to A. O. Klein, El Centro, Calif. Valve oiler. 1,871,623; Aug. 16.
Lefevre, Leon, and W. E. Leas, Chicago, Ill. Fuel supplying apparatus for aircrafts. 1,869,487; Aug. 2.
Lefler, James, & Company, The. (See Biggs, George A., assignor.)
Leffler, James, and Company, The. (See Swindler, Harry M., assignor.)
Leffler, Louis G., Kapellen-Wevelinghoven, Germany. Apparatus for converting hydrocarbons. 1,853,688; Apr. 12.
Lefler, Charles B., and C. M. Dietz, assignors to United States Tent & Awning Company, Chicago, Ill. Bleacher seat. 1,839,233; Jan. 5.
Lefort, Julius, Hillsboro, Mo., assignor of one-half to H. A. Spreckelmeyer, St. Louis, Mo. Helicopter. 1,868,392; July 19.
Lefland, Paul W., Dallas, Tex. Illuminated emergency brake lever. 1,843,331; Feb. 2.
Lefkowitz, Emanuel, Carteret, N. J. Hose coupling. 1,861,635; June 7.
Lefkowitz, Emanuel, Carteret, N. J. Hose coupling. 1,890,061; Dec. 6.
Lefkowitz, Samuel, et al. (See Weiner, Morris, assignor.)
Lefler, Frank C., Rochester, N. Y. Fishing reel. 1,847,519; Mar. 1.
Lefranc, Georges, Paris, France. Preparation of emulsions for sizing textile materials. 1,861,877; June 7.
Le Frank. (See Sledge, W. P., and Le Frank.)
Leftwich, Morris M., Tulsa, Okla. Setting rules for printing. 1,854,552; Apr. 19.
Le Gall, Jean, Nanterre, France. Hollow panel. 1,887,814; Nov. 15.
Le Ganger, Woodward B., Boston, Mass. Toy mold. 1,886,486; Nov. 8.
Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Slider. 1,889,335; Nov. 29.
Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Separable fastener. 1,889,336; Nov. 29.
Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Locking end stop for fasteners. 1,889,337; Nov. 29.
Leger, Clement A., Lincoln, Nebr. Level. 1,868,361; July 19.
Legette, Marvin A., Brooklyn, N. Y. Safety stop for conveyers. 1,887,456; Nov. 8.
Legg, David A., and L. M. Christensen, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of organic acids from cellulosic material. 1,864,746; June 28.
Legg, Esther L., administratrix. (See Legg, Joseph W.)
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph. 1,847,397; Mar. 1.
Legg, Joseph W., deceased, Wilkinsburg, Pa., by E. L. Legg, Worcester, Mass., administratrix, assignor to Westinghouse Electric and Manufacturing Company. High speed recorder. 1,871,380; Aug. 9.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Recording system. 1,871,709; Aug. 16.
Legg, Victor E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Composite metallic strand. 1,841,486; Jan. 19.
Legg, Victor E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Treating magnetic materials. 1,848,564; Mar. 8.
Legg, Victor E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heat treatment of signaling conductors. 1,855,578; Apr. 26.
Legg, Victor E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High frequency furnace. 1,864,070; June 21.
Legg, Victor E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Refining of copper. 1,878,936; Sept. 20.
Legge, Alfred G., Brockton, Mass. Shoe form. 1,849,097; Mar. 15.
Legge, Alfred G., Brockton, Mass. Shoe form. 1,849,098; Mar. 15.
Legge, Alfred G., Brockton, Mass. Shoe form. 1,865,117; June 28.
Legge, Algeo J., Los Angeles, Calif. Undergarment. 1,845,717; Feb. 16.

Legge, Norton, Hexham, England. Power transmission mechanism. 1,862,183; June 7.

Legge, Peter S., Pompton Lakes, N. J. Tool for cutting stone. 1,878,414; Sept. 20.

Legge, Peter S., Pompton Lakes, N. J. Tool for cutting stone. 1,878,415; Sept. 20.

Leggett, George R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Bearing. 1,848,569; Mar. 8.

Leggett, Herbert. (See Naiman, J. M., and Leggett.)

Leggett and Platt Spring Bed and Manufacturing Company. (See Birch-Wilson, S., assignor.)

Leggett and Platt Spring Bed and Manufacturing Company, The. (See Kirchner, Carl, assignor.)

Le Gore, Earl P., Philadelphia, Pa. Screen. 1,844,967; Feb. 16.

Le Gorre, Jean L. (See Shaw, A. B., and Le Gorre.)

Le Gout de Saint-Gervais, Bénigne E. M., Paris, France. Extinguishing chimney fires. 1,889,483; Nov. 29.

Le Grand, Arthur, Indio, Calif. Date protector or shield. 1,858,513; May 17.

Legrand, Charles, Douglas, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Pyro-metallurgical process and apparatus. 1,845,503; Feb. 16.

Le Grand, Joseph M., New York, N. Y., assignor to Carrier Engineering Corporation, Newark, N. J. Rotary heat exchanger. 1,869,855; Aug. 2.

Le Grand, Joseph M., assignor to Carrier Engineering Corporation, Newark, N. J. Louver or damper device. 1,872,590; Aug. 16.

Le Grand, Joseph M., New York, N. Y., assignor to Carrier Engineering Corporation, Newark, N. J. Air conditioning blower. 1,877,965; Sept. 20.

Legrand, Jules. (See Gilbert, J., and Legrand.)

Le Gros, Le Roy F. (See Tenney, P. L., and Le Gros.)

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizer. 1,862,025; June 7.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing apparatus. 1,869,598; Aug. 2.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Package and making the same. 1,870,519; Aug. 9.

Leguillon, Charles W., and N. L. Warner, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 1,862,024; June 7.

Leheney, John H., Leominster, Mass., assignor to Dupont Viscoloid Company, Wilmington, Del. Whistle. Des. 87,966; Jan. 12.

Lehigh Silk Hosiery Mills, Inc. (See Mosser, Edward B., assignor.)

Lehman Company of America, The. (See Lehman, Edgar A., assignor.)

Lehman, Edgar A., assignor to The Lehman Company of America, Cannelton, Ind. Swing. Des. 86,528; Mar. 15.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Hinge. Des. 87,638; Aug. 23.

Lehman, Emanuel, Richmond, Va. Chin support. 1,879,852; Sept. 27.

Lehman, George I. (See Dickman, J. J., and Lehman.)

Lehman, Leo, Waterooy, Wash. Shingle remover. 1,841,135; Jan. 12.

Lehman, Louis H., Philadelphia, Pa. Hinge. 1,841,898; Jan. 19.

Lehman, Paul E., Woodmere, N. Y. Bottle or similar article. Des. 88,098; Oct. 25.

Lehman, Paul E., Woodmere, N. Y. Bottle or similar article. Des. 88,099; Oct. 25.

Lehman, Paul E., Woodmere, N. Y. Bottle holder or similar article. Des. 88,100; Oct. 25.

Lehman, Paul E., Woodmere, N. Y. Bottle or similar article. Des. 88,101; Oct. 25.

Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Dusting machine. 1,876,251; Sept. 6.

Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for handling molds. 1,876,252; Sept. 6.

Lehman, Werner, South Milwaukee, Wis. Drag bucket. 1,844,858; Feb. 9.

Lehman, Werner, South Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Combined digging lip and dipper tooth. 1,872,307; Aug. 16.

Lehman, Werner, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Bank grader. 1,882,079; Oct. 11.

Lehmann, Albert, Brooklyn, N. Y. Life saving vest. 1,868,210; July 19.

Lehmann, Ernst A., assignor to Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung, Friedrichshafen Bodensee, Germany. Airship. 1,857,963; May 10.

Lehmann, Ernst P., Patentwerke, the Firm. (See Richter, Johannes, assignor.)

Lehmann, Gotthilf, New York, N. Y. Glowing crucifix lamp. Des. 86,245; Feb. 16.

Lehmann, Gotthilf, New York, N. Y. Glowing emblem lamp. Des. 86,246; Feb. 16.

Lehmann, Herbert, New York, N. Y. Fabric for shoe uppers. Des. 86,781; Apr. 19.

Lehmann, Karl, Essen, Germany. Dressing coal 1,854,659; Apr. 19.

Lehmann, Karl A. (See Bornkessel, B., Breitling, Lehmann, and Varren.)

Lehmann, Karl A., and E. Breitling, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Transfer mechanism. 1,858,630; May 17.

Lehmann, Karl A., and A. Varren, Essen, assignors to Fred. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Issuing vouchers in cash registers. 1,864,446; June 21.

Lehmann Machine Company. (See Carter, Lionel A., assignor.)

Lehmann Machine Company. (See Deutsch, Fritz, assignor.)

Lehmann Machine Company. (See Seward, Ernest R., assignor.)

Lehmann, Paul H., and P. P. Simpson, Dallas, Tex. Cigarette holder and manufacture. 1,858,366; May 17.

Lehmann, Rudolf, Uerdingen, and D. Michel, Krefeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process for suppressing the growth of micro-organisms. 1,879,551; Sept. 27.

Lehn, Charles J., Oak Park, Ill. Humidifier. 1,839,234; Jan. 5.

Lehn & Fink, Inc. (See Klarmann, E., and Gatyas, assignors.)

Lehn, John U. (See Zahm, J. D., and Lehn.)

Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,861,968; June 7.

Lehn, John U., and M. A. Huebener, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,879,939; Sept. 27.

Lehner, Charles, Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,235; Nov. 8.

Lehner, Louis, Bay City, Mich. Adjustable stock support bracket. 1,864,840; June 28.

Lehon Company, The. (See Moone, Albert E. F., assignor.)

Lehr, Charles E. (See Underwood, C. E., and Lehr.)

Lehr, Erich, New York, N. Y. Clip construction. 1,878,497; Sept. 20.

Lehr, Ernst. (See Heymann, H., and Lehr.)

Lehrecke, Hans, Frankfort-on-the-Main, Germany. Separate recovery of aluminium and phosphoric acid from substances containing these constituents. 1,850,017; Mar. 15.

Lehrecke, Hans, assignor to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Manufacture of a mixture of hydrocyanic acid with cyanogen. 1,850,018; Mar. 15.

Lehrer, Erwin, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Magnetic piston pump. 1,881,724; Oct. 11.

Lehwess, Edouard E., Paris, France, assignor to Mechanical & General Inventions Company Limited, London, England. Inclosure. 1,849,099; Mar. 15.

Leib, August, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio goniometric direction-finding device for airplanes. 1,850,080; Mar. 22.

Leib, August, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Frame aerial. 1,850,112; Mar. 22.

Leibert, Edwin R. (See Rusch, H. L., and Leibert.)

Leibert, Richard W., Pittsburgh, Pa. Sign plate for an automotive signal. Des. 87,584; Aug. 16.

Leibing, William E., Sausalito, assignor to Lyon-Magnus Incorporated, San Francisco, Calif. Cooling system for beverage dispensing apparatus. 1,881,725; Oct. 11.

Leibold, Frederick, West New York, and L. R. Gilliland, Jersey City, N. J., assignors to American Lead Pencil Company, New York, N. Y. Process and apparatus for striping articles. 1,849,529; Mar. 15.

Leibold, Jacob G., San Francisco, Calif. Collapsible circle. 1,849,545; Mar. 15.

Leibrock, Frederich J. (See Tiernan, J., and Leibrock.)

Leiby, Harvey L., Bloomsburg, Pa., assignor to General Electric Company. Lamp picker. 1,852,812; Apr. 5.

Leich Electric Company. (See Reid, Alexander C., assignor.)

Leicht, Fred, assignor to Honold Manufacturing Company, Sheboygan, Wis. Casket display rack. 1,841,412; Jan. 19.

Leichter, Abraham, New York, N. Y. Electric sign. 1,867,516; July 12.

Leidel, William, Elmhurst, N. Y. Toilet accessory. 1,866,116; July 5.

Leidel, William, Elmhurst, N. Y. Spoon. 1,868,289; July 19.

Leidner, Paul G., New Brunswick, N. J. Lifeboat. 1,842,273; Jan. 19.

Leidy, Wilmer J., and N. Knuth, assignors to Chicago Transformer Corporation, Chicago, Ill. Coil winding machine. 1,868,667; July 26.

Leigh, Alfred C., Bellevue, Pa., assignor to Dravo Contracting Company. Roof structure. 1,857,462; May 10.

Leigh Banana Case Co. (See Leigh, Carl G., assignor.)

Leigh, Carl G., assignor to Leigh Banana Case Co., Chicago, Ill. Attaching a cover fastener. 1,879,984; Sept. 27.

Leigh, Fred A., assignor of one-fourth to W. H. Nelson, Chicago, Ill. Filtering device. 1,840,516; Jan. 12.

Leighton Heel Co. (See Leighton, Leon J., assignor.)

Leighton, Herbert J., Syracuse, N. Y., assignor to Cincinnati Grinders Inc., Cincinnati, Ohio. Work holder for straightening machines. 1,840,237; Jan. 5.
Leighton, John W., Port Huron, Mich. Shackle for motor vehicles. 1,852,318; Apr. 5.
Leighton, John W., Port Huron, Mich. End connection for vehicle springs. 1,852,319; Apr. 5.
Leighton, John W., Port Huron, Mich. Bearing for spring supports. 1,852,320; Apr. 5.
Leighton, John W., Port Huron, Mich. Spring shackle. 1,852,321; Apr. 5.
Leighton, John W., Port Huron, Mich. Making tubular metal blanks. 1,854,411; Apr. 19.
Leighton, John W., Port Huron, Mich. Extruding metal tubes. 1,859,707; May 24.
Leighton, John W., Port Huron, Mich. End connection for vehicle springs and making same. 1,881,233; Oct. 4.
Leighton, Leon, jr., assignor to Leighton Heel Co., Inc., Lewiston, Me. Heel and its manufacture. 1,861,969; June 7.
Leilich, Frank T., Baltimore, Md. Apparatus for indicating the amount of material in a receptacle. 1,851,195; Mar. 29.
Leiman Bros. Inc. (See Leiman, George W., assignor.)
Leiman, George W., assignor to Leiman Bros. Inc., Newark, N. J. Hydrocarbon burner. 1,866,311; July 5.
Leinbach, Edward L., deceased, Chicago, Ill.; G. Leinbach, executrix. Shock absorber. 1,844,326; Feb. 9.
Leinbach, Gladys, executrix. (See Leinbach, Edward L.)
Leinhart, Joseph P., New York, N. Y. Perch for bird cages. 1,850,508; Mar. 22.
Leinert, Charles H., assignor to Leinert Valve Company, Chicago, Ill. Valve. 1,840,629; Jan. 12.
Leinert Valve Company. (See Leinert, Charles H., assignor.)
Leininger, William C., Detroit, Mich. System for the control of the charge of a storage battery. 1,846,214; Feb. 23.
Leininger, Lillie, Modesto, Calif. Invalid conveyer. 1,889,925; Dec. 6.
Leins, Oscar J., and H. C. Rawlings, assignors to Claus Manufacturing Co., Milwaukee, Wis. Oven heat regulator. 1,878,957; Sept. 27.
Leins, Oscar J., and C. Wantz, assignors to Claus Manufacturing Co., Milwaukee, Wis. Thermally operated device. 1,878,938; Sept. 20.
Leiper, Hugh N., assignor to New State Ice Company, Oklahoma City, Okla. Ice cream container. 1,875,044; Aug. 30.
Leipert, August H., College Point, New York, assignor to International Motor Company, New York, N. Y. Chasis construction. 1,856,103; May 3.
Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Movable cab for motor vehicles. 1,852,464; Apr. 5.
Leipziger Tangier-Werk Aktiengesellschaft. (See Grube, Johannes A., assignor.)
Leis, Carl H., assignor to Johnson Bronze Company, New Castle, Pa. Process and apparatus for forming bushings. 1,850,679; Mar. 22.
Leis, Carl H., assignor to Johnson Bronze Company, New Castle, Pa. Fabricating sheet metal bearings. 1,892,555; Dec. 27.
Leiser, Heinrich, Berlin-Friedenau, Germany. Producing a coating of chromium on objects of iron and steel or aluminum and particularly on knives, forks, and spoons. 1,858,631; May 17.
Leishman, Le Roy J., Los Angeles, Calif. Telegraphophone. 1,844,583; Feb. 9.
Leishman, Le Roy J., Los Angeles, Calif. Automatic radiophonograph switch. 1,852,424; Apr. 5.
Leissner, Reinhard, Garfield, N. J. Artistic curtain. 1,879,695; Sept. 27.
Leister, Melvin. (See Searles, R. R., and Leister.)
Leister, Fayette, assignor to The Fafnir Bearing Company, New Britain, Conn. Hinge. 1,848,427; Mar. 8.
Leitch, Howard W., and W. E. Caldwell, New York, N. Y. Pulverized fuel furnace. 1,846,647; Feb. 23.
Leitelt Iron Works. (See Buchan, A. G., and Lyons, assignors.)
Leitelt Iron Works. (See Meyer, Frederick H., assignor.)
Leiter, Burton, Edmore, Mich. Cultivator. 1,870,740; Aug. 9.
Leiter, Charles R., assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Die. 1,861,538; June 7.
Leitner, Lawrence L., San Luis Obispo, Calif. Air signal valve. 1,885,363; Nov. 1.
Leitz, Ernst. (See Libotzky, Erwin, assignor.)
Leitz, Ernst, Optische Werke. (See Barnack, Oskar, assignor.)
Leitz, Ernst, Optische Werke. (See Heine, Hermann, assignor.)
Leitz, Ernst, Optische Werke. (See Libotzky, Erwin, assignor.)
Leitz, Ernst, Optische Werke. (See Schäfer, Willy, assignor.)
Leitz, Ernst, Optische Werke, the Firm. (See Engelmann, Max, assignor.)
Le Jeune, Frank H., Jackson, assignor to General Motors Corporation, Detroit, Mich. Tire carrier. 1,872,150; Aug. 16.
Lektophone Corporation. (See Farrand, Clair L., assignor.)
Leland Electric Company, The. (See Bossard, Gisbert L., assignor.)
Leland Electric Company, The. (See Leland, George H., assignor.)
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Dec. 27.
Lemaire, Jean H., Rousies, France. Plant for the manufacture of sheets of glass. 1,864,360; June 21.
Lemaire, Louis P., La Garenne, France. Prism carrier for cameras and the like optic apparatus. 1,886,204; Nov. 1.
Lemaire, Maurice H., Valenciennes, and L. P. Guilbert, Paris, France. Lifting apparatus. 1,873,712; Aug. 23.
Lemaitre, Maurice, Marcinelle, Belgium. Device for the exhaust of the steam from locomotive engines. 1,855,976; Apr. 26.
Leman, Arthur L., assignor to The National Supply Company, Toledo, Ohio. Rod-line weight. 1,867,574; July 19.
Lemandri, Battista. (See Gandolfo, A., and Lemandri.)
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Feeding molten glass to rolling apparatus for producing continuous glass strips. 1,843,033; Jan. 26.
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for making rolled glass strips. 1,851,634; Mar. 29.
LeMare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Glass annealing leer. 1,877,674; Sept. 13.
Lemarinier, Georges, Paris, France. Truss. 1,889,674; Nov. 29.
Lemaster, Howard M., Forest Glen, Md. Watering fountain. 1,857,598; May 10.
Lementy, Walter J., New York, N. Y. Animal trap. 1,858,096; May 10.
Lemerise, André, Paris, France. Combined garment and outfit for use with parachutes. 1,849,628; Mar. 15.
Lemerond, Joseph L., Green Bay, Wis. Wall construction. 1,882,432; Oct. 11.
Lemert, Louis, Fawnee, Okla. Revolving plant rack. 1,885,117; Nov. 1.
Lemieux, Archibald R., Worcester, Mass. Double end engraving. 1,866,609; July 5.
Le Mieux, John M., New Orleans, La. Refrigerator unit for railroad cars. 1,856,041; Apr. 26.
Lemire, Joseph, St. Joseph de Beantham, Quebec, Canada. Rail joint. 1,860,105; May 24.
Lemke, Fritz, Milwaukee, Wis. Vehicle door hinge. 1,867,885; July 19.
Lemke, Norma K., and Z. C. Plass, Chicago, Ill. Sanitary combing and make-up jacket. 1,887,028; Nov. 8.
Lemmerman, Howard E., assignor to Simmons Mfg. Co., Cleveland, Ohio. Hame clip. 1,886,061; June 28.
Lemmerman, Howard E., assignor to Simmons Manufacturing Company, Cleveland, Ohio. Muffler. 1,867,273; July 12.
Lemmerman, Howard E., assignor to The Simmons Manufacturing Company, Cleveland, Ohio. Valve spring lifter. 1,890,466; Dec. 13.
Lemmon, John U., jr., Newton, assignor to Hathaway Bakeries, Inc., Cambridge, Mass. Preparing sausage rolls and knife therefor. 1,847,062; Feb. 23.
Lemmon, John U., jr., Newton, assignor to Hathaway Bakeries, Inc., Cambridge, Mass. Baking sausage rolls and apparatus for use therewith. 1,876,701; Sept. 13.
Lemmon, Rees H. (See Yerkes, J. A., and Lemmon.)
Lemoine, Paul L., Paris, France. Carburetor for internal combustion engines. 1,849,530; Mar. 15.
Lemoine, Paul L., Paris, France. Carburetor for internal combustion engines. 1,870,578; Aug. 9.
Lemon, Cecil B. (See Thompson, James C., assignor.)
Lemont, Clarence J., assignor to Line Material Company, South Milwaukee, Wis. Supporting fixture. 1,873,434; Aug. 23.
Le Moon, Axel R., Chicago, Ill. Sprinkler nozzle. 1,862,381; June 7.
LeMoon, Axel R., Chicago, Ill. Vehicle drive wheel axle unit mounting. 1,881,406; Oct. 4.
LeMoon, Axel R., Chicago, Ill. Segmental sprinkler nozzle. 1,881,409; Oct. 4.
Lemp, Hermann, Glen Rock, assignor to Ingersoll-Rand Company, Jersey City, N. J. Controlling device for locomotives. 1,891,936; Dec. 27.
Lempco Products, Inc. (See Blazek, John Y., assignor.)
Lenander, Nils E., Lokken Verk, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Treatment of sulphide ores. 1,860,585; May 31.
Lenander, Nils E., Lokken Verk, Norway, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Treatment of finely divided sulphide ores. 1,862,899; June 14.

Lenander, Nils E. and I. Ryen, Lokken Verk, Norway, assignors to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Producing sulphur. 1,850,357; Mar. 22.

Lenawee Textiles, Inc. (See Murphey, Floyd M., assignor.)

Lencke, John K., and H. Schmid, Kingston, N. Y., assignors to Apollo Magneto Corporation. Electric generator construction. 1,840,674; Jan. 12.

Lendle, Carl R., assignor to Garment Steamer Company of America, Chicago, Ill. Steaming device. 1,847,013; Feb. 23.

Lendvay, Charles, Budapest, Hungary. Distance or map measuring instrument. 1,848,894; Mar. 8.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Metering system. 1,871,710; Aug. 16.

L'Enfant, Charles, New York, N. Y. Container. 1,877,468; Sept. 13.

L'Enfant, Charles, New York, N. Y. Key holder. 1,877,909; Sept. 20.

L'Enfant, Charles, New York, N. Y. Combined cardcase and key holder. 1,877,910; Sept. 20.

L'Enfant, Charles, New York, N. Y. Article holder. 1,877,911; Sept. 20.

L'Enfant, Charles, New York, N. Y. Article holder. 1,877,912; Sept. 20.

L'Enfant, Charles, New York, N. Y. Coin purse. 1,885,736; Nov. 1.

Lenfant, Louis, assignor to Cartier, Societe Anonyme, Paris, France. Multiple ash tray composed of nested elements. 1,886,109; Nov. 1.

Lenfestey, Arthur W., Detroit, Mich. Hair brush. 1,851,126; Oct. 11.

Lengsfield Brothers. (See Lensfield, Byron H., assignor.)

Lengsfield, Byron H., assignor to Lengsfield Brothers, Inc., New Orleans, La. Cardboard box. 1,850,509; Mar. 22.

Lengsfield, Byron H., assignor to Lengsfield Brothers, New Orleans, La. Display box. 1,859,401; May 24.

Lenhart, William F., Marshall, Mich., assignor to Sherer-Gillett Company, Chicago, Ill. Paper carrier. 1,859,303; May 24.

Lenke, Edward. (See Palmer, C. A., and Lenke.)

Lenkowsky, Louis, assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 86,380; Mar. 1.

Lenktis, Adolph, Brooklyn, N. Y. Gas valve. 1,864,917; June 28.

Lenning, Alvar, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,873,435; Aug. 23.

Lenning, Alvar, Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Absorber for refrigerators. 1,879,352; Sept. 27.

Lenning, Alvar, assignor to Electrolux Servel Corporation, New York, N. Y. Absorber for air cooled refrigerators. 1,887,651; Nov. 15.

Lenning, Alvar and R. S. Taylor, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,841,136; Jan. 12.

Lenning, Carroll K. (See Strebe, M. F., Lenning, and Zink.)

Lennon, Patrick T., Cleveland, Ohio. Angular blade grinder. 1,877,913; Sept. 20.

Lennox, Ira, Grand Junction, Colo. Sirup pitcher cover. 1,867,461; July 12.

Lennox, Luther W., Palo Alto, Calif., and H. S. Wildman, Villa Escondo, Chihuahua, Mexico, assignors to American Smelting & Refining Company, New York, N. Y. Treading zinc ores. 1,883,234; Oct. 18.

Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Rectifying system. 1,854,945; Apr. 19.

Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Electrical circuit regulating means. 1,876,427; Sept. 6.

Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Converting apparatus. 1,876,428; Sept. 6.

LeNobel, Jacobus W., Amsterdam, assignor to De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of lighter colored products form earth oil residues, asphalt, and/or similar substances. 1,868,211; July 19.

Lenon, Luther G., Portland, Oreg. Plant stalk supporter. 1,875,618; Sept. 6.

Lens, Georges X. (See Schreiber, L. J. J., Chevigny, and Lens.)

Lent, Alfred H., Capitola, Calif. Engine hood ventilator. 1,875,619; Sept. 6.

Lent, Frederick, Southington, Conn., assignor of one-half to A. R. Thomson, Derby, Conn. Hydraulic shock-absorber. 1,845,504; Feb. 16.

Lent, Leo B., Lakewood, Ohio. Automotive vehicle. Des. 86,321; Feb. 23.

Lentell, John H., jr., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel injection device. 1,876,980; Sept. 13.

Lentheric, Incorporated. (See de Wagner, Maggy B., assignor.)

Lentz, Clarence J. (See Bunce, E. H., Lentz, and Mahler.)

Lentz, Clarence J., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Automatic synchronizing mechanism for chime clocks. 1,874,316; Aug. 30.

Lentz, George W., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Apparatus for expanding slitted metal sheets. 1,839,975; Jan. 5.

Lentz, George W., assignor to The Bonnot Company, Canton, Ohio. Chipping machine. 1,857,464; May 10.

Lentz, Joseph A., Baltimore, Md. Valve. 1,889,900; Dec. 6.

Lentz, Lawrence E., assignor to The Elliott-Fisher Company, Harrisburg, Pa. Recording and card punching machine. 1,840,630; Jan. 12.

Lentz, Lawrence R., Windsor, Canada. Filter. 1,842,990; Jan. 26.

Lentz, Lawrence R., Windsor, Ontario, Canada. Filter. 1,861,806; June 7.

Lenz, Arnold, Saginaw, assignor to General Motors Corporation, Detroit, Mich. Cupola charging equipment. 1,869,571; Aug. 2.

Lenz, Herman O., Seattle, Wash. Combination reel. 1,890,736; Dec. 13.

Lenzner, Solomon, Buffalo, N. Y. Bottle. Des. 87,788; Sept. 20.

Leo, Albert, Chicago, Ill. Soluble pectin preparation. 1,844,666; Feb. 9.

Leo, Herbert T., Corona, Calif. Jelly compound. 1,842,757; Jan. 26.

Leo, Jack G. (See Flint, A., Zimmerman, and Leo.)

Leo, Jack G. Y. (See Flint, A., Zimmerman, and Leo.)

Leo, Joseph C., Oelwein, Iowa. Sterilizer. 1,862,963; June 14.

Leonhier Tool Co. (See Caron, Ludger J., assignor.)

Leon, Karl O., Lidkoping, Sweden. Moving picture apparatus. 1,857,559; May 10.

Leonard, Abraham M., Los Angeles, Calif. Holder for checks and similar articles. 1,846,399; Feb. 23.

Leonard Automatic Sure Kno Trapnest Co. (See Leonard, Thomas, assignor.)

Leonard, Caleb E., Miami, assignor to Leonard Spark Plug Company, St. Petersburg, Fla. Aviation plug. 1,842,833; Jan. 26.

Leonard, Caleb E., Miami, assignor to Leonard Spark Plug Company, Incorporated, St. Petersburg, Fla. Aviation plug. 1,842,854; Jan. 26.

Leonard, Edward A., Chicago, Ill. Saturation of sheets. 1,845,299; Feb. 16.

Leonard, Edward F., et al. (See Frey, Elmer E., assignor.)

Leonard, Harry A., assignor to Draper Corporation, Hopedale, Mass. Warper stop motion. 1,853,909; Apr. 12.

Leonard, Harry A., assignor to Draper Corporation, Hopedale, Mass. Warper needle. 1,867,649; May 19.

Leonard, Henry M., Ridgewood, N. Y. Flying machine. 1,857,964; May 10.

Leonard, Howard M., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Engine. 1,843,606; Feb. 2.

Leonard, Howard M., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Fuel-injecting means. 1,853,725; Apr. 12.

Leonard, Howard M., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Fuel feeding means. 1,856,078; May 3.

Leonard, Howard M., South Bend, Ind., assignor, by mesne assignments, to Bendix Aviation Corporation. Engine. 1,868,753; July 26.

Leonard, Howard M., South Bend, Ind., assignor, by mesne assignments, to Bendix Aviation Corporation. Engine. 1,872,761; Aug. 23.

Leonard, Joseph E., Berkeley, Calif. Gas range. Des. 87,928; Oct. 11.

Leonard, Joseph E., Berkeley, Calif., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner floor tool. 1,856,575; May 3.

Leonard, Peter G., El Paso, Tex. Lubricating system and oil feed control therefor. 1,856,029; Apr. 26.

Leonard-Rooke Company. (See Clarke, Charles R., assignor.)

Leonard, Samuel E., jr., East Cleveland, Ohio. Electrical system and appliance. 1,843,268; Feb. 2.

Leonard, Simpson C., jr., Detroit, Mich. Lubricant seal. 1,849,404; Mar. 15.

Leonard Spark Plug Company. (See Leonard, Caleb E., assignor.)

Leonard, Theodore T., Winlock, Wash. Dry kiln. 1,855,401; Apr. 26.

Leonard, Thomas, Compton, assignor to Leonard Automatic Sure Kno Trapnest Co., Ltd., Los Angeles, Calif. Trap nest. 1,858,397; May 17.

Leonard, Vincent W., Saugus, Mass., assignor to General Electric Company. Automatic pressure regulator. 1,889,607; Nov. 29.

Leone, Albert. (See Miller, C., and Leone.)

Leone, Patsy, Youngstown, Ohio. Flue cleaner. 1,842,276; Jan. 19.

Leonhard, William C. (See Hough, A., Dufford, and Leonhard.)

Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,782; Apr. 19.

Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,783; Apr. 19.

Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,784; Apr. 19.

Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,785 ; Apr. 19.
Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,786 ; Apr. 19.
Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,787 ; Apr. 19
Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,788 ; Apr. 19.
Leonhardt, Edna F., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery or the like. Des. 86,789 ; Apr. 19.
Leopold, Allen L. (See Mutchler, A. W., and Leopold.)
Leopold, Frederick, jr., Harmonville, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Mold opening device. 1,853,130 ; Apr. 12.
Leopold, George O. (See Fegley, T. J., and Leopold.)
Leopold, Otto, Wernigerode, Harz, Germany. Sound recording and reproducing apparatus. 1,860,344 ; May 3.
Leopsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Valve. 1,849,764 ; Mar. 15.
LePage, Hector, Milwaukee, Wis. Method and apparatus for treating women's hair. 1,881,727 ; Oct. 11.
Lepine, Veuve Georges, née Marie-Therèse Josephine Rousset, Maria Franca. Manufacture of cement. 1,868,240 ; July 19.
Le Prieur, Yves M. P. G., and A. L. Ricordel, assignors to "Precision Moderne," Paris, France. Method and device for antiaircraft firing. 1,844,429 ; Feb. 9.
Le Pul, Henry, Hempstead, N. Y. Combination fuel pump and fuel injector for Diesel engines. 1,860,862 ; May 31.
Le Pul, Henry, Hempstead, N. Y. Combination fuel pump and fuel injector for Diesel engines. 1,860,865 ; May 31.
Le Quorne, Herman Richard, Hill, and D. Salvati, assignors to Easy-Drive Garage Corp., Brooklyn, N. Y. Floor construction. 1,863,753 ; June 21.
Leray, Joseph J., West Warwick, R. I. Rotoplane. 1,889,255 ; Nov. 29.
Leray, Joseph J., West Warwick, R. I. Helicoplane. 1,890,514 ; Dec. 13.
Leray, Joseph J., West Warwick, R. I. Airplane. 1,891,354 ; Dec. 20.
Lerch, John D., New York, N. Y. Match box. 1,854,849 ; Apr. 19.
Lerch, William B., assignor to Curo Process Company, Bartlesville, Okla. Process and product for treating emulsions of mineral oils or the like. 1,890,789 ; Dec. 13.
Leriche, Willis, Allentown, Pa., and I. V. Beasley, Yukon, Okla., assignors, by mesne assignments, to Canal Lining Company, Inc., Allentown, Pa. Combined ditch plow and grader. 1,848,635 ; Mar. 8.
Leriche, Willis, Allentown, Pa., and I. V. Beasley, Yukon, Okla., assignors to Cement-Gun Contracting Company. Spacing device. 1,869,264 ; July 26.
Leriche, Willis, Allentown, Pa., and I. V. Beasley, Yukon, Okla., assignors to Cement-Gun Contracting Company. Lining ditches and the like. 1,869,265 ; July 26.
Lerio, Louis, Mobile, Ala. Shipping drum and making the same. 1,866,979 ; July 12.
Lerma, Stephen, Brooklyn, N. Y. Fabric covered buckle. 1,859,099 ; May 17.
Lermer, Herman B., assignor to Hygienic Tube and Container Co., Newark, N. J. Medicinal container or similar article. Des. 87,844 ; Sept. 27.
Lerner, Alfons J., Milwaukee, Wis. Top lift holder for heels. 1,841,829 ; Jan. 19.
Le Rouge, Louis. (See Caudle, G., and Le Rouge.)
LeRoy, Edmond L., Bridgeton, N. J. Sheet glass drawing apparatus. 1,887,414 ; Nov. 8.
Le Roy, Edward J., Montevideo, Minn. Line marker. 1,846,523 ; Feb. 23.
Lertes, Peter, and B. Helberger, Frankfort-on-the-Main, Germany. Electrical musical instrument. 1,847,119 ; Mar. 1.
Lesage, Alfred, Schweinfurt, Germany. Change speed gear. 1,858,906 ; May 17.
Lesage, Alfred, Schweinfurt in Bavaria, Germany. Bicycle with auxiliary motor. 1,878,975 ; Sept. 20.
Lesage, Alfred, Schweinfurt in Bavaria, Germany. Motorcycle. 1,878,976 ; Sept. 20.
Le Sauvage, George R., and L. E. Padelford, assignors to Republic Metalware Company, Buffalo, N. Y. Pail. 1,863,138 ; June 14.
Lesch, Quintum, Mannheim-Freudenheim, Germany, assignor to Aktiengeselischaft Brown Boveri & Cie., Baden, Switzerland. Transmission line protective system. 1,873,972 ; Aug. 30.
Leschhorn, Heinrich, Zuffenhausen, near Stuttgart, Germany. Form of the kind used in office work. 1,866,980 ; July 12.
Les Fils De Virgile Amyot. (See Amyot, Pierre U. J., assignor.)
Lesh, Jesse E., North Canton, and J. W. Hohl, Newark, Ohio. Flying craft. 1,882,387 ; Oct. 11.
Lesh, Laurence J., Chicago, Ill. Airplane. 1,859,568 ; May 24.
Lesh, Laurence J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Electric motor. 1,855,859 ; Apr. 26.
Lesh, Laurence J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Oscillation device. 1,885,118 ; Nov. 1.
Lesher, Whitman & Co. (See Odin, John K., assignor.)
Leshner, Natuan, Cincinnati, and W. J. Moeller, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company. Prepared stock reclaimed from waste materials and method of and apparatus for reclaiming same. 1,874,604 ; Aug. 30.
Leslie, Arthur V. (See Hurns, T. E., and Leslie.)
Leslie, Bernard S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Electrical conductor. 1,841,447 ; Jan. 19.
Leslie Company. (See Soderberg, Sten E. B., assignor.)
Leslie, Eugene H., and Fred Mick, assignor to E. B. Badger & Sons Company, Boston, Mass. Preparing lubricants. 1,860,838 ; May 31.
Leslie, Eugene H., and E. M. Baker, Ann Arbor, Mich. Distilling process and apparatus. 1,868,466 ; July 19.
Leslie, Harold, Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Fruit basket collar. 1,874,317 ; Aug. 30.
Leslie, Howard C., Milton, assignor to B R E Manufacturing Co., Hyde Park, Mass. Toilet seat. 1,839,923 ; Jan. 5.
Leslie, John W., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Package strapping sealing joints. 1,866,894 ; July 12.
Leslie, William B. (See Trejo, Stella A., assignor.)
Les Petits-Fils de Francois de Wendel & Cie. (See Weber, Guillaume, assignor.)
Lesser, Paul, Brooklyn, N. Y., assignor to William Willbein Co., Inc., New York, N. Y., Textile fabric or similar article. Des. 88,159 ; Nov. 1.
Lesser, Paul, Brooklyn, N. Y., assignor to William Willbein Co., Inc., New York, N. Y., Textile fabric or similar article. Des. 88,160 ; Nov. 1.
Lesser, Paul, Brooklyn, N. Y. Textile fabric or the like. Des. 88,657 ; Dec. 11.
Lesser, Paul, Brooklyn, N. Y. Textile fabric or the like. Des. 88,658 ; Dec. 13.
Lessing, Rudolf, London, England. Separation of powdered or granular material, especially coal. 1,850,756 ; Mar. 22.
Lessler, Lew W. (See Lowkrantz, G., and Lessler.)
Lessler, Lew W., Johnson City, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Tripod socket for cameras and the like. 1,883,997 ; Oct. 25.
Lessler, Lew W., Johnson City, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Camera shutter. 1,883,998 ; Oct. 25.
Lester, Francis L., Los Angeles, Calif. Faucet connector for fire hose. 1,871,810 ; Aug. 16.
Lester, James U., Brooklyn, N. Y. Shell tag. 1,892,580 ; Dec. 27.
Lester, Nathan. (See During, W. J., and Lester.)
Lester, Nathan, Cleveland, Ohio, assignor to Precision Castings Company, Inc., Syracuse, N. Y. Die-casting machine. 1,891,894 ; Dec. 20.
Lester, Robert E., Brooklyn, assignor to H. C. Bugbird, New York, N. Y. Dusting powder and the like. 1,849,354 ; Mar. 15.
Lester, William J., Little Rock, Ark. Production of metallic aluminum and other materials. 1,878,939 ; Sept. 20.
Lester, William M., Shaker Heights, Ohio. Casting mold ejector. 1,858,453 ; May 17.
Le Tourneau, Robert G., Newhall, Calif. Endless track mounting. 1,839,766 ; Jan. 5.
Le Tourneau, Robert G. Stockton, Calif. Discharge gate for bins. 1,850,589 ; Mar. 22.
Le Tourneau, Robert G., Stockton, Calif. Dump cart. 1,852,618 ; Apr. 5.
Le Tourneau, Robert G., Stockton, Calif. Scraper. 1,857,157 ; May 10.
Le Tourneau, Robert G., Stockton, Calif. Automatic brake. 1,874,046 ; Aug. 30.
Le Tourneau, Robert G., Stockton, Calif. Tractor-mounted scraper. 1,875,047 ; Aug. 30.
Le Tourneau, Robert G., Stockton, Calif. Scraper. 1,891,266 ; Dec. 20.
Lettermann, Adolf, Berlin-Tempelhof, Germany. Device for taking foot-impressions. 1,856,394 ; May 3.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.
Letz Manufacturing Company, The. (See Letz, William H., assignor.)
Letz, William H., Crown Point, Ind., assignor to The Letz Manufacturing Company. Grinding mill. 1,875,743 ; Sept. 6.
Letzig, Ernest W., Kansas City, Mo. Adjustable body support. 1,840,675 ; Jan. 12.
Leuchner, Karl, Berlin Zehlendorf, Germany. Manufacturing titanic oxide suitable for use as a pigment. 1,853,626 ; Apr. 12.
Leuchs, Otto. (See Weihe, A., Leuchs, and Dörr.)
Leukhardt, Arthur R. (See Johnson, S. jr., Morrison, and Leukhardt.)

Leukhardt, John C., jr., Washington, D. C. Radiator water level indicator. 1,878,867; Sept. 20.
Leupold, Mathias, Jamaica, N. Y. Airplane. 1,871,538; Aug. 16.
Leupold, Mathias, Jamaica, N. Y. Tilting-engine wing plane. 1,891,166; Dec. 13.
Leuthner, Frank J., Sharpsville, Pa. Molding apparatus. 1,881,055; Oct. 4.
Ley, Arthur, Bronx, N. Y. Safety ring guard. 1,864,447; June 21.
Le Van, James D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for manufacture of vacuum tubes. 1,860,106; May 24.
Le Van, James D., Milwaukee, and C. Stansbury, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Timing device. 1,867,225; July 12.
Le Van, James D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for electron tube. 1,887,766; Nov. 15.
Levan, John F. (See Edwards, O. M., and Levan.)
Levan, John F. (See Holt, T. W., and Levan.)
Le Vasseur, Lee, Chicago, Ill. Safety device for hand fed power presses or like machines. 1,850,404; Mar. 22.
Levasseur, Philemon, Three Rivers, Quebec, Canada. Stringed instrument. Des. 87,967; Oct. 18.
Levay, Ellis, Detroit, Mich. Airplane propeller. 1,847,120; Mar. 1.
Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Clutch device. 1,881,728; Oct. 11.
Levell, Henry J., jr. (See Pot, Arthur, assignor.)
Levells, William H., Indianapolis, Ind. Smoking pipe. Des. 86,034; Jan. 19.
Levene, Albert H., Newark, N. J. Hanger and supporter. 1,844,096; Feb. 9.
Levene, Albert H., Newark, N. J. Radiator hood. 1,852,425; Apr. 5.
Levene, George, Norwood, assignor to Massachusetts Memorial Hospitals, Boston, Mass. Light pencil. 1,878,048; Aug. 30.
Levene, Louis J., Merrick, N. Y. Stiffening partition walls. 1,863,721; June 21.
Levene, Louis J., Newark, N. Y. Panel frame construction. 1,863,722; June 21.
Levene, Louis L., Merrick, N. Y. Partition wall construction. 1,863,723; June 21.
Levene, Louis L., Merrick, N. Y. Partition wall edge construction. 1,870,579; Aug. 9.
Leventhal, Mitchell, Brooklyn, N. Y. Lock frame. Des. 87,039; Dec. 31.
Leventry, Roy L., assignor to Republic Iron and Steel Company, Youngstown, Ohio. Furnace construction. 1,849,172; Mar. 29.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gast-off. 1,840,091; Jan. 5.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for lasting stitchdown shoes. 1,864,510; June 21.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lockstitch sewing machine. 1,885,927; Nov. 1.
Lever Brothers Company. (See Forté, Harry P., assignor.)
Lever Brothers Company. (See Lane, Thomas E., assignor.)
Leverenz, Arthur A. (See Wilkie, W., and Leverenz.)
Levering, John A. (See Hoch, E. G. and Levering.)
Levermore, Charles L., Rockville Center, L. I., assignor to General Chemical Company, New York, N. Y. Manufacture of alkali metal phosphate. 1,866,657; July 12.
Leverone, Louis M., Allston, Mass. Shoe. Des. 86,035; Jan. 19.
Leverone, Louis M., Allston, Mass. Shoe. Des. 87,529; Aug. 9.
Leverone, Louis M., Allston, Mass. Shoe. Des. 87,530; Aug. 9.
Leverone, Louis M., Allston, Mass. Shoe. Des. 87,531; Aug. 9.
Leverone, Louis M., Allston, Mass. Shoe. Des. 87,532; Aug. 9.
Leverone, Louis M., Allston, Mass. Shoe. Des. 87,533; Aug. 9.
Leverone, Louis M., Allston, Mass. Shoe ornament. Des. 87,534; Aug. 9.
Leverone, Louis M., Allston, Mass. Shoe. Des. 87,585; Aug. 16.
LeVesconte, Harold J. (See Christensen, N. V., and LeVesconte.)
Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Bag. 1,842,874; Jan. 26.
Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Thread controller for sewing machines. 1,856,221; May 3.
Le Vesconte, Harold J., assignor to Union Special Machine Company, Chicago, Ill. Bag. 1,860,190; May 24.
Le Vesconte, Harold J., assignor to Union Special Machine Company, Chicago, Ill. Bag and closure therefor. 1,860,359; May 24.
Levgovd, Ladislas, Wyandotte, Mich. Musical instrument. 1,843,034; Jan. 26.
Levi, Jack W., assignor, by mesne assignments, to Stewart S. Cooper, Cincinnati, Ohio. Aviator's helmet. 1,879,353; Sept. 27.
Levi, Joseph H., Washington, D. C. Finger ring. Des. 88,561; Dec. 6.
Levi, Leavie J., St. Thomas, Virgin Islands. Portable check protector. 1,879,354; Sept. 27.
Levi, Louis, Winthrop, Mass. Window screen. 1,883,999; Oct. 25.
Levi, Lullo G. (See Bruni, G., and Levi.)
Levick, Henry S. (See Horsburgh, G. D. L., and Levick.)
Levin, Ben J., New York, N. Y. Combination polishing brush. 1,870,087; Aug. 2.
Levin, Harold L., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Composition roofing. 1,850,680; Mar. 22.
Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Aqueous dispersion and producing same. 1,881,729; Oct. 11.
Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to Flintkote Corporation, Boston, Mass. Waterproof fibrous product. 1,884,761; Oct. 25.
Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Flintkote Corporation, Boston, Mass. Fibrous covering and making same. 1,887,979; Nov. 15.
Levin, Harold L. Nutley, N. J., and F. H. Neher, Cambridge, assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing strip. 1,870,414; Aug. 9.
Levin, Harris, Freeport assignor to The Lion Safety Pin Clutch Co., Inc., New York, N. Y. Finger ring guard. 1,858,361; May 17.
Levin, Harry M., et al. (See Parrish, Richard, assignor.)
Levin, Herman, Hartford, Conn. Tooth straightening appliance. 1,849,843; Mar. 15.
Levin, Isaac H., Pittsburgh, Pa. Process and apparatus for liquefying and rectifying air or other gaseous mixtures. 1,892,155; Dec. 27.
Levin, Isaac H., assignor, by mesne assignments, to Gas Industries Company, Pittsburgh, Pa. Method and apparatus for fractional distillation. 1,873,771; Aug. 23.
Levin, Michael, Brooklyn, N. Y., assignor to A. M. Davis, Boston, Mass. Adhesive. 1,852,532; Apr. 5.
Levin, Michael, Brooklyn, assignor of one-fourth to J. T. Basseches, New York, N. Y. Protein composition. 1,857,596; May 10.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading machine. 1,841,541; Jan. 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Equalizing mechanism. 1,854,592; Apr. 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Equalizing mechanism. 1,854,593; Apr. 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Equalizing mechanism. 1,854,594; Apr. 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Equalizing mechanism. 1,854,595; Apr. 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Equalizing mechanism. 1,854,596; Apr. 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal cutting machine. 1,867,853; July 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal cutting machine. 1,881,730; Oct. 11.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal cutting machine. 1,891,561; Dec. 20.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal cutting machine. 1,891,562; Dec. 20.
Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Method and apparatus for mounting lock bodies. 1,846,007; Feb. 16.
Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Hanger bracket for suitcases. 1,887,314; Nov. 8.
Levine, Frank P. (See Siemen, F., and Levine.)
Levine, Harry, Brighton Beach, N. Y. Extra washer applying machine. 1,852,581; Dec. 27.
Levine, Henry, Philadelphia, Pa., assignor to Leon Benoit, Chicago, Ill. Two-piece box or carton. Re18,639; Nov. 1.
Levine, Henry, Philadelphia, Pa., assignor to Leon Benoit, Chicago, Ill. Box or carton. 1,885,455; Nov. 1.
Levine, Irving W., Montreal, Quebec, Canada. Insulating tape. 1,842,616; Jan. 26.
Levine, Mac. Malden, Mass., assignor to Kay Manufacturing Co., Brooklyn, N. Y. Spring construction for chair seats or the like. 1,872,472; Aug. 16.
Levine, Max. (See Hopp, Max, assignor.)
Levine, Meyer S. (See Castle, Verle A., assignor.)
Levine, Morris, Woodcliff, N. J. Chair. Des. 87,264; June 28.
Levine, Morris, Woodcliff, N. J. Chair. Des. 87,265; June 28.

Levine, Morris, Woodcliff, N. J. Chair. Des. 87,266; June 28.
Levine, Morris, Woodcliff, N. J. Chair. Des. 87,267; June 28.
Levine, Morris, Woodcliff, N. J. Table. Des. 87,639; Aug. 23.
Levine, Samuel, Passaic, assignor, by mesne assignments, to S. H. Levine, Passaic, N. J. Gauge device. 1,870,058; Aug. 2.
Levine, Sol H. (See Levine, Samuel, assignor.)
Levings, Sherburne D., Winnetka, Ill. Coffee urn. 1,852,242; Oct. 11.
Levinsen, Claus, Brooklyn, N. Y. Heat transmitter. 1,874,054; Aug. 30.
Levison, John H., Jr., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Metering system. 1,873,172; Aug. 23.
Levison, Benjamin, San Francisco, Calif. Surgical bandage. 1,862,026; June 7.
Levison, Harry, San Francisco, Calif. Locking strip. 1,848,365; Mar. 8.
Levitan Manufacturing Company. (See Hein, Gustave, assignor.)
Leviton Manufacturing Company (See Slady, Frank, assignor.)
Leviton Manufacturing Company. (See Slady, F. W., and Kupierman, assignors.)
Levitt, Leonard, Missoula, Mont., assignor of forty one-hundredths to M. K. Yacoryzwski, Spokane, Wash., and thirty one-hundredths to F. J. Roberts, San Diego, Calif. Illuminated sign. 1,860,699; Aug. 2.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 86,087; Jan. 26.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 86,125; Feb. 2.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 87,346; July 12.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 87,347; July 12.
Levkoff, David, assignor to E. G. Levkoff, Brooklyn, N. Y. Folding box. 1,874,705; Aug. 30.
Levkoff, Evelyn G. (See Levkoff, David, assignor.)
Levkoff, Evelyn G., Rockaway Park, N. Y. Box. Des. 86,126; Feb. 2.
Levkoff, Evelyn G., Rockaway Park, N. Y. Box. Des. 86,127; Feb. 2.
Levkoff, Evelyn G., Rockaway Park, N. Y. Box. Des. 86,128; Feb. 2.
Levkoff, Evelyn G., Rockaway Park, N. Y. Box. Des. 86,129; Feb. 2.
Levkoff, Evelyn G., Rockaway Park, N. Y. Display box. Des. 86,790; Apr. 19.
Levkoff, Evelyn G., Rockaway Park, N. Y. Dispensing container. 1,874,318; Aug. 30.
Levow, David. (See Tilp, Joseph G., assignor.)
Levy, Aaron W., et al., executors. (See Wise, Nathan.)
Levy, Abraham, Brooklyn, N. Y. Combination clock case and lamp or similar article. Des. 87,268; June 28.
Levy, Anderson Co. (See Anderson, Maurice, assignor.)
Levy, Dudley D., assignor to Dudley Research Corporation, New York, N. Y. Machine for affixing identification seals or tags. 1,847,841; Mar. 1.
Levy, Dudley D., assignor to Dudley Research Corporation, New York, N. Y. Seal or tag affixing machine. 1,852,426; Apr. 5.
Levy, Dudley D., assignor to Dudley Research Corporation, New York, N. Y. Latch for dump-waiter doors. 1,859,780; May 24.
Levy, Elly, née Paschek, Berlin-Wilmersdorf, Germany. Box for cosmetics. 1,847,840; Mar. 1.
Levy, Frank P., Lancaster, Pa. Humidified package of tobacco products. 1,843,514; Feb. 2.
Levy, Henri G., San Francisco, Calif. Hair drier. 1,849,963; Jan. 12.
Levy, Joseph, Brookline, Mass. Stamp. 1,869,339; July 26.
Levy, Lucien, Paris, France. Magnetic and radioelectric goniometry. 1,844,859; Feb. 9.
Levy, Lucien, Paris, France. Frequency changer. 1,877,409; Sept. 13.
Levy, Lucien, Paris, France. Radio receiving system. 1,888,550; Nov. 22.
Levy, Maurice, Larchmont, N. Y. Container and/or applicator. 1,862,271; June 7.
Levy, Oscar C. (See Lomax, C. E., and Levy.)
Levy, Oscar C., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Fire alarm system. 1,850,177; Mar. 22.
Levy, Solomon, Rutherford, N. J., assignor to Anaconda Sales Company, New York, N. Y. Metal clad roofing element. 1,852,169; Apr. 5.
Levy, Solomon, Rutherford, N. J., assignor to Anaconda Sales Company, New York, N. Y. Metal-clad tile. 1,865,771; July 5.
Levy, Stanley L., London, England. Separation of lead from solutions. 1,850,757; Mar. 22.
Levy, Stanley L., London, England. Treatment of chloride solutions. 1,851,852; Mar. 29.
Levy, Stanley L., London, England, assignor to Sulphide Corporation, New York, N. Y. Treatment of iron pyrites. 1,891,717; Dec. 20.
Lewandowski, Edward H., Neenah, Wis., assignor to The Menasha Products Company, Chicago, Ill. Cutter box. 1,881,731; Oct. 11.
Lewandowski, Edward H., Neenah, Wis., assignor to The Menasha Products Company, Chicago, Ill. Cutter receptacle. 1,855,610; Nov. 1.
Leweke, Harold A., Greenville, Mich. Electric automatic peanut cooker. 1,890,737; Dec. 13.
Lewellen, Albert R., assignor to General Motors Corporation, Detroit, Mich. Head lamp. 1,871,801; Aug. 16.
Lewellen, Albert R., assignor to General Motors Corporation, Detroit, Mich. Heat indicator. 1,871,802; Aug. 16.
Lewerentz, Sigurd. (See Kreüger, C. G. U., and Lewerentz.)
Lewis, George R., Elizabeth, N. J. Furnace. 1,881,732; Oct. 11.
Lewes, William W., Flint, Mich., and G. D. Patterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,885,024; Oct. 25.
Lewin, Emma, New York, N. Y. Universal writing implement holder. 1,854,412; Apr. 19.
Lewin, George S. (See Clark, Edward E., assignor.)
Lewin, Jacob W., Oak Park, Ill. Spiral fish cable. 1,858,997; May 17.
Lewin Metals Corporation, The. (See Lewin, Tannie, assignor.)
Lewin, Tannie, University City, Mo. Clarification of electrolyte. 1,890,856; Dec. 13.
Lewin, Tannie, University City, Mo., assignor to The Lewin Metals Corporation, East St. Louis, Ill. Material treating furnace. 1,859,399; Jan. 5.
Lewinski, Alexander, Chicago, Ill. Peanut blanching machine. 1,842,909; Jan. 26.
Lewis Air Conditioners, Inc. (See Lewis, Carroll E., assignor.)
Lewis, Albert O. (See Fletcher, W., and Lewis.)
Lewis, Albert V., Washington, Pa. Oil and gas reclaiming plug. 1,842,033; Jan. 19.
Lewis, Arthur B., Claremont, N. H. Doughnut cooking device. 1,888,928; Nov. 22.
Lewis, Arthur J., assignor to The Baird Machine Company, Stratford, Conn. Chuck. 1,839,400; Jan. 5.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Outward gripping chuck. 1,839,401; Jan. 5.
Lewis, Ben, New York, N. Y. Athletic trunks. 1,868,212; July 19.
Lewis, Bennett. (See Moore, P. B., and Lewis.)
Lewis, Bert C., Chicago, Ill. Water supply device for batteries. 1,862,203; June 14.
Lewis, Carroll E., assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn. Air conditioning apparatus (gravity actuated). 1,887,767; Nov. 15.
Lewis, Charles H. (See Travers, J. T., Lewis, and Urbain.)
Lewis, Charles H. (See Urbain, Oliver M., assignor.)
Lewis, Claude A., Medford, Mass. Desk ornament. Des. 87,161; June 14.
Lewis Differential Company. (See Sampson, F. W., and Tatter, assignors.)
Lewis Differential Company. (See Tatter, John W., assignor.)
Lewis, Edward Z., Chicago, Ill., assignor to L C Smith & Corona Typewriters Inc., New York, N. Y. Typewriting long strips of printed forms. 1,886,821; Nov. 8.
Lewis, Emerson K., and E. Wenz, Pittsburgh, Pa. Cast iron roll. 1,870,580; Aug. 9.
Lewis, Everett M., Tulsa, Okla. Vaginal douche pipe. 1,852,351; Apr. 5.
Lewis, Florence N., New York, N. Y. Talcum powder box. Des. 87,011; May 24.
Lewis, Florence N., New York, N. Y. Combination perfume bottle and container therefor. Des. 87,968; Oct. 18.
Lewis Foundry & Machine Company. (See Beatty, Floyd A., assignor.)
Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system for elevators. 1,848,366; Mar. 8.
Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Garage elevator. 1,856,876; May 3.
Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Door operating apparatus. 1,871,711; Aug. 16.
Lewis, Frank H., assignor to Food Machinery Corporation, San Jose, Calif. Pumping apparatus. 1,857,922; May 10.
Lewis, Fred H., York, assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Antiskid chain. 1,840,782; Jan. 12.
Lewis, Fred H., York, assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Antiskid chain. 1,845,026; Feb. 16.
Lewis, George A., Greenfield, Mass. Safety shipping device. 1,842,034; Jan. 19.
Lewis, George C., Philadelphia, Pa. Vacuum cleaner. 1,839,793; Jan. 5.
Lewis, George C., Philadelphia, Pa. Nozzle heating, cooling and ventilating system. 1,887,938; Nov. 15.

Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Production of hydrocarbon compounds from natural gas. 1,854,205; Apr. 19.

Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 1,881,085; Oct. 4.

Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 1,881,085; Oct. 4.

Lewis, George H., Kent, assignor of one-half to Frank Winters, Portland, Oreg. Tractor spade plow. 1,874,988; Aug. 30.

Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Corner construction and making the same. 1,868,881; Feb. 23.

Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Joining composite panels. 1,881,733; Oct. 11.

Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Corner bend in composite panels and forming same. 1,881,734; Oct. 11.

Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Insulating material and making the same. 1,885,361; Nov. 1.

Lewis, George P., Forest Hills, and R. E. Sabin, Flushing, N. Y. Thermoelectric motor. 1,859,099; May 17.

Lewis, George P., Forest Hills, and R. E. Sabin, Flushing, N. Y. Portable motion picture screen. 1,864,077; June 21.

Lewis, George W., Berlin, Mass., assignor, by mesne assignments, to Fold-Well Table Co., Inc. Ironing table cover. 1,885,737; Nov. 1.

Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,846,495; Feb. 23.

Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,883,306; Oct. 18.

Lewis, Griffith M., Watervliet, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machine tape guiding means. 1,872,769; Aug. 23.

Lewis, Guy V., Laredo, Tex. Well testing device. 1,870,684; Aug. 9.

Lewis, Harold A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Initiator. 1,877,772; Sept. 20.

Lewis, Harold A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Initiator. 1,877,773; Sept. 20.

Lewis, Harold M., Douglaston, assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Communication system. 1,861,185; May 31.

Lewis, Harry R., Norristown, Pa. Door operating system. 1,841,611; Jan. 19.

Lewis, Harry F., Hamden, assignor, by mesne assignments, to The Goodyear India Rubber Glove Manufacturing Company, Naugatuck, Conn. Cementing machine. 1,849,938; Mar. 15.

Lewis, Harry T., Hampton, Va. Liquid measuring device. 1,885,926; Nov. 1.

Lewis, Hezekiah J., New York, N. Y. Combination clock and barber's pole. 1,875,049; Aug. 30.

Lewis, Howard W., Nutley, N. J. Manifold form aligning device. 1,876,981; Sept. 13.

Lewis, Howard W. San Francisco, Calif. Transmission. 1,882,222; Oct. 11.

Lewis Invisible Stitch Machine Company. (See Bowman, Lorin, assignor.)

Lewis Invisible Stitch Machine Company. (See Gruman, Horace F., assignor.)

Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)

Lewis, Isabel L. (See Myers, Howard C., assignor.)

Lewis, James. (See Gray, T. W., Lewis, and Lebon.)

Lewis, James L., Tulsa, Okla. Pulsing machine. 1,855,603; Apr. 26.

Lewis, John E., Emsworth, England. Railway track layer. 1,844,914; Feb. 9.

Lewis, Lawrence W., assignor of one-half to E. Barker, Youngstown, Ohio. Ear protector and wind reflector. 1,853,191; Apr. 12.

Lewis, Lester L., New Castle, Pa. Annealing art and apparatus. 1,843,097; Jan. 26.

Lewis, Lester L., New Castle, Pa. Switch control for light direction apparatus. 1,843,825; Feb. 2.

Lewis, Lester L., New Castle, Pa. Circuit control apparatus. 1,870,127; Aug. 2.

Lewis, Lester L., assignor of Blair Strip Steel Company, New Castle, Pa. Annealing metal work. 1,870,126; Aug. 2.

Lewis, Lima R., Philadelphia, Pa. Protecting hood for switch terminals. 1,841,192; Jan. 12.

Lewis, Longworth B., Monrosa, Va. Glare shield. 1,843,396; Feb. 2.

Lewis, Louis, London, England. Massaging device. 1,849,629; Mar. 15.

Lewis, Lloyd V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 1,887,273; Nov. 8.

Lewis, M. J., Products Company. (See Lewis, Morgan J., assignor.)

Lewis, Mary A. (See Reddy, David W., assignor.)

Lewis, Miles C. T., Calistoga, Calif. Condiment shaker. 1,862,057; June 7.

Lewis, Morgan J., Massillon, Ohio. Electric switch. 1,855,559; Nov. 22.

Lewis, Morgan J., Massillon, assignor to M. J. Lewis Products Company, Canton, Ohio. Service box. 1,884,090; Oct. 25.

Lewis, Nathan, New York, N. Y. Combination razor and hair trimmer. 1,845,160; Feb. 16.

Lewis, Norman H. (See Dolph, W. L., and Lewis.)

Lewis, Philip W. (See Peddrick, C. H., jr., and Lewis.)

Lewis, Richard C., Ansonia, and C. F. Schnuck, New Haven, assignors to Farrel-Birmingham Company, Inc., Ansonia, Conn. Roll grinder. 1,871,002; Aug. 9.

Lewis, Richard W. (See Horton, F. J., and Lewis.)

Lewis, Richard W., Montclair, N. J. Emulsions and materials, methods, and processes for the preparation thereof. 1,869,379; Aug. 2.

Lewis, Richard W., Montclair, N. J. Dispersions and the production thereof. 1,869,380; Aug. 2.

Lewis, Richard W., Montclair, N. J. Dispersions and the production thereof. 1,869,381; Aug. 2.

Lewis, Richard W., assignor to Lyon Cover Company, Detroit, Mich. Tire cover with wire mesh center shield. 1,881,735; Oct. 11.

Lewis, Richard W., Montclair, and A. Saunders, Maplewood, N. J. Bituminous dispersions and making the same. 1,869,382; Aug. 2.

Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Hardness testing machine. 1,870,415; Aug. 9.

Lewis, Robert L., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbon oil. 1,876,702; Sept. 13.

Lewis, Robert L., assignor to Challenge Company, Batavia, Ill. Tie member for trucks. 1,857,560; May 10.

Lewis, Robert R., Freeport, and A. J. Weiss, Brooklyn, assignors to Vulcan Proofing Company, New York, N. Y. Make-ready element for printing presses and making the same. 1,846,810; Feb. 23.

Lewis, Robert S., assignor to Ransomes & Rapier Limited, Ipswich, England. Harvester. 1,845,171; Feb. 16.

Lewis, Roy L., Atlanta, Ga. License plate. 1,885,844; Nov. 1.

Lewis, Samuel, Astoria, N. Y. Swatch device. 1,865,877; June 28.

Lewis-Shepard Company. (See Hennessy, Daniel E., assignor.)

Lewis, Thomas S., Memphis, Tenn. Acrobatic toy. 1,848,257; Mar. 8.

Lewis, Thomas S., Memphis, Tenn. Explosive toy. 1,851,100; May 17.

Lewis, Walter V., Scotia, N. Y. Shearing and cutting machine. 1,884,001; Oct. 25.

Lewis, Warren K. (See Howard, F. A., Lewis, and Noel.)

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Protective coating. 1,858,368; May 17.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Cracking hydrocarbons by contact with hot gases. 1,863,195; June 28.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Process for partial oxidation of gaseous hydrocarbons. 1,870,816; Aug. 9.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Separating mixtures of substances only partially miscible. 1,870,854; Aug. 9.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Obtaining gasoline hydrocarbons. 1,877,914; Sept. 20.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Pumping vapors under high vacuum. 1,877,915; Sept. 20.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Obtaining hydrocarbons from wells. 1,877,916; Sept. 20.

Lewis, Warren K., Newton, Mass., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for preparing gas black. 1,891,202; Dec. 13.

Lewis, Warren K., Newton, and P. K. Frolich, Cambridge Mass., and W. C. Asbury, Baton Rouge, La., assignors to Standard Oil Development Company. Production of gasoline from gaseous and low boiling liquid hydrocarbons. 1,843,880; Feb. 2.

Lewis, Wilbur R., and R. J. Weaver, Saratoga, Tex. Bailing line clamp. 1,867,084; July 12.

Lewis, Wilbur S., Lakewood, Ohio, assignor to The Nestle-Le Mur Company, Cleveland, Ohio. Hair inclosure. 1,858,338; May 17.

Lewis, Wilbur S., Lakewood, Ohio, assignor to The Nestle-Le Mur Company, New York, N. Y. Electric heater. 1,909,509; Aug. 2.

Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Cushion for molding machine. 1,869,813; Aug. 2.

Lewis, William, Utica, N. Y. Interlocking coiled springs. 1,890,738; Dec. 13.

Lewis, William A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current transformer connection for relay operations. 1,877,139; Sept. 13.

Lewis, William G., Rawlins, Wyo. Planting machine. 1,851,196; Mar. 29.

Lewis, William T., Racine, Wis. Television apparatus and method of televising. 1,841,487; Jan. 19.

Lewy, Daniel. (See Butusov, Emil P., assignor.)
Lexa, George J., assignor to Harnischfeger Corporation, Milwaukee, Wis. System for and motor control. 1,845,300; Feb. 16.
Lexa, George J., assignor to Harnischfeger Corporation, Milwaukee, Wis. Contact finger assembly for electric controllers. 1,865,638; July 5.
Leyes, Charles J., Jersey City, N. J. Producing 1. 3 butadiene. 1,884,002; Oct. 25.
Leyland, Thomas, & Co. (See Isherwood, Arthur, assignor.)
Leyner, George A., East Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Clutch unreleting means. 1,841,612; Jan. 19.
Leyondre, Etienne, Montbeliard, France. Molding machine. 1,850,018; Mar. 15.
Leyvastre, Ferdinand, assignor to Société de Paris et du Rhone, Lyon, France. Starting mechanism for motor vehicles. 1,879,878; Sept. 27.
Leyvastre, Ferdinand, assignor to Societe de Paris et du Rhone, Lyon, France. Starting mechanism for motor vehicles. 1,882,022; Oct. 11.
L'Helice Metallique. (See Pavlhan-Pillard, Societe Anonyme. (See Pillard, Marcel, assignor.)
L'Hérault, Alphonse, Three Rivers, Quebec, Canada. Speed indicator. 1,875,475; Sept. 6.
Liacos, Stavros J., Brooklyn, N. Y. Television. 1,866,413; July 5.
Libbetton, Herbert. (See Kennicott, C. L., and Libberton.)
Libbey, Edward P. (See Conner, C. E., and Libbey.)
Libbey, Frederick L., Bronxville, assignor to Automatic Brake Corporation, New York, N. Y. Control means for a brake system power unit. 1,890,259; Dec. 6.
Libbey Glass Manufacturing Company, The. (See Nash, Arthur D., assignor.)
Libbey-Owens-Ford Glass Company. (See Adams, Daniel. assignor.)
Libbey-Owens-Ford Glass Company. (See Allen, Horace, assignor.)
Libbey-Owens-Ford Glass Company. (See Allen, H. E., and Ferngren, assignors.)
Libbey-Owens-Ford Glass Company. (See Ayers, Bert M., assignor.)
Libbey-Owens-Ford Glass Company. (See Baker, Herbert H., assignor.)
Libbey-Owens-Ford Glass Company. (See Blackshere, Lewis D., assignor.)
Libbey-Owens-Ford Glass Company. (See Blair, James C., assignor.)
Libbey-Owens-Ford Glass Company. (See Bliven, Charles E., assignor.)
Libbey-Owens-Ford Glass Company. (See Brier, J. C., Watkins, and Brown, assignors.)
Libbey-Owens-Ford Glass Company. (See Brown, Wilbur F., assignor.)
Libbey-Owens-Ford Glass Company. (See Callard, R. P., and Moller, assignors.)
Libbey-Owens-Ford Glass Company. (See Cone, Carroll, assignor.)
Libbey-Owens-Ford Glass Company. (See Crowley, Joseph P., assignor.)
Libbey-Owens-Ford Glass Company. (See Crowley, J. P., and Gipe, assignors.)
Libbey-Owens-Ford Glass Company. (See Diedericks, Hugo N., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L., and Handy, assignors.)
Libbey-Owens-Ford Glass Company. (See Ferngren, Enoch E., assignor.)
Libbey-Owens-Ford Glass Company. (See Fraser, Frank. assignor.)
Libbey-Owens-Ford Glass Company. (See Fraser, F., and Nobbe, assignors.)
Libbey-Owens-Ford Glass Company. (See Gipe, J. C., and Crowley, assignors.)
Libbey-Owens-Ford Glass Company. (See Henderson, John C., assignor.)
Libbey-Owens-Ford Glass Company. (See Hively, H. D., and Natlis, assignors.)
Libbey-Owens-Ford Glass Company. (See Kincaid, Frank J., assignor.)
Libbey-Owens-Ford Glass Company. (See Kranich, Henry O., assignor.)
Libbey-Owens-Ford Glass Company. (See Lawson, Paul C., assignor.)
Libbey-Owens-Ford Glass Company. (See Lawson, P. C., and Schafer, assignors.)
Libbey-Owens-Ford Glass Company. (See Mambourg, Leopold, assignor.)
Libbey-Owens-Ford Glass Company. (See Mambourg, Luke C., assignor.)
Libbey-Owens-Ford Glass Company. (See McGoldrick, Joseph M., assignor.)
Libbey-Owens-Ford Glass Company. (See McKinley, Thomas C., assignor.)
Libbey-Owens-Ford Glass Company. (See Morgan, Willard L., assignor.)
Libbey-Owens-Ford Glass Company. (See Natlis, Octave C., assignor.)
Libbey-Owens-Ford Glass Company. (See Neorr, Harry M., assignor.)
Libbey-Owens-Ford Glass Company. (See Nobbe, William E., assignor.)
Libbey-Owens-Ford Glass Company. (See Pedersen, Ingvald O., assignor.)
Libbey-Owens-Ford Glass Company. (See Pedersen, I. O., and Stahle, assignors.)
Libbey-Owens-Ford Glass Company. (See Schutz, Harold R., assignor.)
Libbey-Owens-Ford Glass Company. (See Schutz, H. R., and Robinson, assignors.)
Libbey-Owens-Ford Glass Company. (See Stahle, Erik G., assignor.)
Libbey-Owens-Ford Glass Company. (See Swope, Charles W., assignor.)
Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
Libbey-Owens-Ford Glass Company. (See Wilcox, Allen C., assignor.)
Libbey-Owens-Ford Glass Company. (See Wildemuth, Jesse W., assignor.)
Libby, Clarence R. (See Else, H. D., and Libby.)
Libby, Clarence R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Clutch mechanism. 1,841,613; Jan. 19.
Libby, Edward P., Barn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,889,205; Nov. 29.
Libby, McNeill & Libby. (See Bauer, Walter, assignor.)
Libby, McNeill & Libby. (See Fetterman, Frank W., assignor.)
Libby, McNeill & Libby. (See Nevills, John J., assignor.)
Libby Oil and Chemical Co. (See Sandchn, Casper W., assignor.)
Liber, Soesbhne H., Paris, France. Electric controlling device. 1,854,049; Apr. 12.
Liberatore, Nick. (See Hadamik, F., and Liberatore.)
Liberman, Charles, Brooklyn, assignor of one-half to W. Gafman, New York, N. Y. Folding chair. 1,865,323; June 28.
Libert, Marcel, Paris, France, assignor to Norddeutsche Tapetenfabrik Bodecker & Breiner, Langenhagen, Germany. Wall paper. Des. 87,348; July 12.
Liberto, Joseph. (See Martini, Marco, assignor.)
Liberty Lace and Netting Works. (See Moosherr, John, assignor.)
Liberty Mirror Works. (See Colbert, George F. and W. H., assignors.)
Liberty Overall Company. (See Solomon, Joseph, assignor.)
Library Efficiency Corporation. (See Dickman, Joseph J., assignor.)
Library Efficiency Corporation. (See Dickman, J. J., and Lehman, assignors.)
Libraverk m. b. H. (See Nagel, Carl, assignor.)
Licht, Martin, Cassel, Germany. Potato harvesting machine. 1,872,629; Aug. 16.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Crane. 1,843,773; Feb. 2.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Combined tag line and dipper trip operating mechanism. 1,850,113; Mar. 22.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Flexible dipper stick. 1,865,632; June 21.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Concrete mixing, spreading, and finishing machine. 1,869,902; Aug. 2.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Telescopic water tank. 1,869,903; Aug. 2.
Lichtenfels, William, Orange, N. J., assignor to Gemex Company. Bracelet clasp. 1,844,131; Feb. 9.
Lichtenfels, William, Orange, N. J., assignor to Gemex Company. Bracelet chain. 1,844,132; Feb. 9.
Lichtenthaeler, Frank E., Newton Highlands, Mass. Distillation apparatus and the like. 1,857,316; May 10.
Lichtenstein, Irwin, San Francisco, Calif. Cross street visual warning signal. 1,871,894; Aug. 16.
Lichter, Malvin, New York, N. Y., assignor to The Stickless Corporation. Hand fan. 1,841,137; Jan. 12.
Lichter, Malvin, New York, N. Y., assignor to The Stickless Corporation. Telephone index. 1,860,863; May 31.
Lichter, Malvin, New York, N. Y., assignor to The Stickless Corporation. Hydrant. 1,876,109; Sept. 13.
Lichter, Malvin, New York, N. Y., assignor to The Stickless Corporation. Display sheet. 1,881,736; Oct. 11.
Lichtig, Abraham J., Oakland, Calif. Vaporizing device. 1,866,658; July 12.
Lichtman, Harry, New York, N. Y. Mechanical musical instrument. 1,884,003; Oct. 25.
Lickle, Charles H., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,856,103; May 3.
Lickteig, Albert F., Detroit, assignor to National Brass Co., Grand Rapids, Mich. Latch. 1,868,984; July 26.

Liddell, Robert P. F., New York, N. Y., assignor, by mesne assignments, to Central Union Trust Company of New York, trustees. Filter. 1,861,576; June 7.

Liddell, Robert P. F., Morris Township, Morris County, assignor to Motor Improvements, Inc., Newark, N. J. Filter making machine. 1,879,353; Sept. 27.

Lidgerwood, James G., et al. (See Sanftleben, Joseph F., assignor.)

Lidgerwood, John H., et al. (See Sanftleben, Joseph F., assignor.)

Lidiak, Joseph P., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,538; Feb. 16.

Lidiak, Joseph P., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensing system. 1,845,544; Feb. 16.

Lidiak, Joseph P., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensing system. 1,851,050; Mar. 29.

Lidiak, Joseph P., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pump. 1,857,965; May 10.

Lido Luzgage Co. (See Lipschitz, Harry, assignor.)

Lidseen, Gustave, Chicago, Ill. Foldable stand. 1,876,983; Sept. 13.

Lidsèn, Gustave, Chicago, Ill. Power manicuring device. 1,851,727; Oct. 11.

Lidseen, Gustave, and J. E. Flanagan, Chicago, Ill. Hydraulic pipe bending machine. 1,865,025; June 28.

Lidston, Thomas L., Niagara Falls, N. Y., assignor to Canada Cycle & Motor Company, Limited, Weston, Ontario, Canada. Sport glove. 1,841,193; Jan. 12.

Lieb, Abram S., Binghamton, N. Y. Cut-out stitching machine. 1,850,883; Mar. 22.

Lieb, Christian N., Findley, Ohio. Vehicle brake. 1,868,836; July 26.

Liebelt, Harry, Swarthmore, Pa., assignor to Scott Paper Company. Dry-broke beater. 1,874,553; Aug. 30.

Liebel-Flarsheim Company, The. (See Flarsheim, Edwin S., assignor.)

Liebel-Flarsheim Company, The. (See Liebel, John G. H., assignor.)

Liebel, John G. H., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Surgeon's instrument. 1,863,118; June 14.

Liebenberg, O. (See Brown, A. T., and Liebenberg.)

Liebender, Gottlieb, assignor to Kock and te Kock, Olsnitz, Germany. Device for looms employed in weaving preparatory to spindle setting, for the manufacture of Axminster carpets and the like. 1,839,565; Jan. 5.

Liebendorfer, Harvey L., Beaver Falls, Pa. Coin wrapper and bill holder. 1,861,316; May 31.

Lieber, Carl M., Oklahoma City, Okla. Instantaneous automatic water heater. 1,866,215; July 5.

Lieber, Hyman, Jackson Heights, N. Y. Shoe. Des. 87,929; Oct. 11.

Liebergeld, Paul, Bad Thal, Germany. Mechanically operated time fuse for projectiles. 1,860,256; May 24.

Lieberknecht, Karl R., Oberlungwitz, Germany. Loop regulating mechanism. 1,878,869; Sept. 20.

Lieberknecht, Karl R., Oberlungwitz, Germany. Bracket for electric motors. 1,886,259; Nov. 1.

Lieberknecht, Karl R., assignor to Karl Lieberknecht G. m. b. H., Oberlungwitz, Germany. Needle bar for straight knitting machine. 1,874,108; Aug. 30.

Lieberknecht, Karl R., assignor to Karl Lieberknecht, G. m. b. H., Oberlungwitz, Germany. Making stockings. 1,878,499; Sept. 20.

Lieberknecht, Karl R., assignor to Karl Lieberknecht G. m. b. H. Oberlungwitz, Germany. Straight knitting machine attachment. 1,884,004; Oct. 25.

Lieberknecht, Karl R., assignor to Karl Lieberknecht, G. m. b. H., Oberlungwitz, Germany. Straight knitting machine. 1,885,738; Nov. 1.

Lieberknecht, Karl W., Oberlungwitz, Germany. Device for the taking-up shaft of flat hosiery frames. 1,878,868; Sept. 20.

Lieberknecht, Paul, assignor of one-half to Maschinenfabrik-Einsiedel, Gesellschaft mit beschrankter Haftung, Einsiedel, near Chemnitz, Germany. Vibration free drive for shaft and cam actuated member of flat-full fashioning machines. 1,857,099; May 10.

Lieberknecht, Paul, assignor of one-half to Maschinenfabrik-Einsiedel Gesellschaft mit beschrankter Haftung, Einsiedel, near Chemnitz, Germany. Device for coarse and fine setting of the loop length in flat hosiery machines. 1,867,703; July 19.

Lieberknecht, Paul, assignor of one-half Maschinenfabrik-Einsiedel, Gesellschaft mit beschrankter Haftung, Einsiedel, near Chemnitz, Germany. Auxiliary drive for flat hosiery frames. 1,867,705; July 19.

Lieberman, Joseph A. and S. Caplin, Philadelphia, Pa. Riding breeches. Re18,541.

Lieberman, Nathan L., New York, N. Y. Wall construction. 1,852,017; Apr. 5.

Lieberum, George W., Stratford, Conn., assignor to General Electric Company. Attachment plug cap. 1,866,362; July 5.

Lieberum, George W., Stratford, Conn., assignor to General Electric Company. Attachment plug cap. 1,866,363; July 5.

Liebetrau, Ernest J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,870,335; Aug. 9.

Liebetrau, Ernest J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,872,473; Aug. 16.

Liebetrau, Ernest J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,881,738; Oct. 11.

Liebfried, Jacob, Santa Cruz, Calif. Prune picker. 1,879,905; Sept. 27.

Liebich, Otto H., assignor to The Kohler-Liebich Company, Chicago, Ill. Chime lamp or similar article. Des. 86,247; Feb. 16.

Liebig, Heinrich, Nordhausen/Harz, Germany. Ventilator for motor-cars. 1,891,390; Dec. 20.

Liebknecht, Otto, Neuenburg, Germany, assignor to The Permutit Company, New York, N. Y. Water softening gels. 1,849,985; Mar. 15.

Liebknecht, Otto, Berlin-Grunewald, Germany, assignor to The Permutit Company, New York, N. Y. Removing silica from water. 1,860,781; May 31.

Liebrecht, Arthur, Frankfort-on-the-Main, assignor to the firm Chemisch-Pharmazeutische Aktiengeselschaft, Bad Homburg, Germany. Preparing suitable substitutes for table salt for flavoring purposes. 1,874,055; Aug. 30.

Lied, Otto, Wandsbek, Germany, assignor to Firm Neuerburg'sche Verwaltungsgesellschaft G. m. b. H., Cologne-on-the-Rhine, Germany. Machine for making cigarettes. 1,867,852; July 19.

Liedel, Clarence A., Maybee, Mich. Pocketbook. 1,874,554; Aug. 30.

Lien, Harold G. (See Bishman, W. A., and Lien.)

Lien, Jonas, Port Washington, N. Y. Automatic sampler. 1,860,107; May 24.

Lienz, Raginald J., Chicago, Ill. Table lamp. Des. 86,169; Feb. 9.

Lier, Heinrich. (See Leemann, H., Lier, and Knecht.)

Lier, Heinrich, assignor to Firm of "Chemical Works formerly Sandoz," Basel, Switzerland. Preparation of wetting agents for use in mercerizing lyes. 1,851,393; Mar. 29.

Lier, Heinrich, assignor to the Firm Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture and use of new wetting preparations. 1,851,914; Mar. 29.

Lier, Heinrich, and A. Rheiner, assignors to the Firm of Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of wetting agents. 1,851,394; Mar. 29.

Lier, Robert P., and H. R. Lower, Mitchell, S. Dak., assignors of one-third to C. H. Jullus. Minneapolis, Minn. Combined automobile trunk and luggage carrier. 1,841,657; Jan. 19.

Liese, Erwin, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-main, Germany. Decomposition of waste. 1,878,940; Sept. 20.

Liesbette Kremmling. (See Kremmling, Otto, assignor.)

Lieske, Frank J., assignor, by mesne assignments, of one-half to A. L. Marshall and J. F. LeGrant, Detroit, Mich. Self locking valve. 1,877,675; Sept. 13.

Lieu, Clement B., Lafayette, La. Electric toothbrush. 1,860,894; May 31.

Lièvre, Marcel, Toulon, assignor to Compagnie Generale Francaise de Transmissions Hydrauliques. Recuperation equipment for tramways. 1,846,215; Feb. 23.

Liflander, Johan Oscar, Stockholm, Sweden, assignor to Fabrs Aktiengeselskapet Ericsson, Switzerland. Signaling device for clutching or the like. 1,866,166; July 5.

Liland, Mortimer, Brooklyn, N. Y. Heating system. 1,875,246; Aug. 30.

Lilgett, John T., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,881,603; Oct. 25.

Liggett & Myers Tobacco Company. (See Gasper, John, assignor.)

Liggett & Myers Tobacco Company. (See Scott, F. E., and Bryant, assignors.)

Light, Albert T., Brooklyn, N. Y., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,866,988; July 12.

Light Draft Harrow Company, The. (See Klise, Marion D., assignor.)

Licht, Frank. (See Woodward, Walter W., assignor.)

Licht, George G., Kerr Gardens, assignor to The Western Union Telegraph Company, New York, N. Y. Multiple turret simplex printer concentration circuit. 1,860,343; May 24.

Licht, George G., Kew Gardens, assignor to The Western Union Telegraph Company, New York, N. Y. Concentration circuit for simplex printers. 1,861,739; Oct. 11.

Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Automatic air valve for sand traps. 1,840,964; Jan. 12.

Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Sand trap. 1,854,994; Apr. 19.

Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Sand trap. 1,879,810; Sept. 27.

Lightfoot, Edwin N., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical resistance device. 1,889,445; Nov. 29.

Lightfoot, James T., Merced, Calif. Airplane propeller. 1,846,216; Feb. 23.
Light-Sensitive Apparatus Corporation. (See Schoenberg, Virgil A., assignor.)
Ligne-Cellulose Corporation. (See Hatch, Raymond S., assignor.)
Ligon, Arthur L., Fort Stockton, Tex. Booster pump for windmills. 1,851,915; Mar. 29.
Ligon, Bert L., et al. (See Ligon, Vann M., assignor.)
Ligon, John F., Washington, D. C. Valance. 1,853,984; Apr. 12.
Ligon, Robert A., Fort Stockton, Tex. Booster pump for windmills. 1,857,026; May 3.
Ligon, Vann M., assignor of two-thirds to B. L. Ligon, and one-third to C. W. Boller, Wichita Falls, Tex. Well swab. 1,839,566; Jan. 5.
Ligozzi, Giovanni, Munich, Germany. Recording and reproducing sounds. 1,858,553; May 17.
Lihotzky, Erwin, assignor to the Firm of Ernst Leitz, Wetzlar, Germany. Apparatus for making stereograms. 1,851,317; Mar. 29.
Lihotzky, Erwin, assignor to Ernst Leitz, Optische Werke, Wetzlar, Germany. Illuminating device for microscopes. 1,853,689; Apr. 12.
Lilsanantti, Evert, Portland, Oreg. Boat. 1,863,989; June 21.
Lile, Charles, administrator. (See Lile, John V.)
Lile, John V., deceased, Chicago, Ill.; C. Lile, administrator, Palm Springs, Calif. Lamp. 1,852,170; Apr. 5.
Lilienfeld, Julius E., Cedarhurst, N. Y. Amplifier for electric currents. 1,877,140; Sept. 13.
Lilienfeld, Julius E., Winchester, Mass. Cathode for electrolytic condensers. 1,880,263; Oct. 4.
Lilienfeld, Leon, Vienna, Austria. Making alkali cellulose. 1,858,017; May 10.
Lilienfeld, Leon, Vienna, Austria. Manufacture of new cellulose compounds. 1,881,741; Oct. 11.
Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial silk. (Valid in Germany.) 1,881,742; Oct. 11.
Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial threads, films, and the like. 1,858,096; May 10.
Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial threads, films, and the like. 1,858,097; May 10.
Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial threads, films, and the like. 1,881,740; Oct. 11.
Lilienfeld, Leon, Vienna, Austria. Manufacture of new cellulose compounds. 1,881,741; Oct. 11.
Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial silk. (Valid in Germany.) 1,881,742; Oct. 11.
Lilienfeld, Leon, Vienna, Austria. Dyed cellulose ether product and making same. 1,890,392; Dec. 6.
Lilienfeld, Leon, Vienna, Austria. Water soluble compounds of Cellulose-xantho-fatty acids and producing them. 1,890,393; Dec. 6.
Lilleberg, Carl G., Hornell, Pa., assignor to Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Grinding machine. 1,877,515; Sept. 13.
Lilleroth, Sture H. (See Mathews, J. L., and Lilleroth.)
Lill, Jacob, Chicago, Ill. Ash tray. 1,874,319; Aug. 30.
Lillard, Gwynn L., Memphis, Tenn., assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavating system. 1,881,743; Oct. 11.
Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Thread-cutting device. 1,862,225; June 7.
Lilley, Charles H., Newburgh, N. Y. Snowplow equipment for automobiles. 1,885,611; Nov. 1.
Lilley, Frederick, Philadelphia, Pa. Vehicle body. Des. 87,222; June 21.
Lillendahl, William C. (See Driggs, F. H., and Lillendahl.)
Lillig, Nicholas R., assignor to Tice Lock-Washer Manufacturing Co., Portland, Oreg. Bolt and nut lock. 1,862,583; June 20.
Lilligren, Jonathan M., Enid, Okla. Combined shift lever knob and container. 1,862,964; June 14.
Lilly, Alva L., assignor of one-fourth to H. B. Looman, Burlingame, Calif. Caster. 1,861,539; June 7.
Lilly, Eli, and Company. (See Major, Ralph H., assignor.)
Lilly, Eli, and Company. (See Manske, Richard H. F., assignor.)
Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)
Lilly, J. K., et al. (See Brice, John T., assignor.)
Lilly, Mark R., assignor to Monroe Calculating Machine Company, Orange, N. J. Accounting device. 1,885,928; Nov. 1.
Lilly, Stuart C., Dayton, Ohio. Treating hemorrhoids. 1,876,793; Sept. 13.
Lilly, William, New York, N. Y. Typewriter. 1,841,899; Jan. 19.
Lilly, William, New York, N. Y. Nautical instrument. 1,857,597; May 10.
Lilly, William, New York, N. Y. Gasoline vaporizer. 1,879,358; Sept. 27.
Lily-Tulip Cup Corporation. (See Smith, Charles F., assignor.)
Lily-Tulip Cup Corporation. (See Wikstrom, Frank G., assignor.)
Lima Locomotive Works, Incorporated. (See Niegemann, George F., assignor.)
Limbrick, Charles B., Fort William, Ontario, Canada. Moisture measuring device. 1,890,545; Dec. 13.
Limited Company, Firm (formerly Skoda Works). (See Valenta, Emanuel, assignor.)
Limited Company formerly the Skoda Works. (See Hladik, Ladislav, assignor.)
Limitorque Corporation, The. (See Dean, Peter P., assignor.)
Limoges China Company et al. (See McMaster, Harry J., assignor.)
Limpert, Alexander S., Bay Shore, N. Y. Method of and apparatus for refrigeration. Re18,371; Mar. 1.
Limpert, Alexander S., Bay Shore, N. Y. Heat exchange unit. 1,862,154; June 7.
Lincoln, Edward K. (See Adams, Albert G., assignor.)
Lincoln, Edwin S., Scarsdale, assignor to Dexter Folder Company, New York, N. Y. Method and apparatus for feeding sheets. 1,870,314; Aug. 9.
Lincoln, Edwin S., Scarsdale, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,870,336; Aug. 9.
Lincoln, Edwin S., Scarsdale, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,870,337; Aug. 9.
Lincoln, Edwin S., Scarsdale, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,870,338; Aug. 9.
Lincoln, Edwin S., Scarsdale, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,870,339; Aug. 9.
Lincoln Electric Company, The. (See Chapman, Everett, assignor.)
Lincoln Electric Company, The. (See Jerabek, Theophil E., assignor.)
Lincoln Electric Company, The. (See Jerabek, T. E., and Osborne, assignors.)
Lincoln Electric Company, The. (See Lincoln, J. C., assignor.)
Lincoln Electric Company, The. (See Osborne, Samuel C., assignor.)
Lincoln Electric Company. (See Peck, Cecil C., assignor.)
Lincoln Electric Company, The. (See Peck, C. C., and Jerabek, assignors.)
Lincoln Electric Company, The. (See Peck, C. C., and Taylor, assignors.)
Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding apparatus. 1,869,013; July 26.
Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding electrode control mechanism. 1,869,014; July 26.
Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding apparatus. 1,869,015; July 26.
Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Method of and apparatus for welding. 1,869,350; July 26.
Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Method of and apparatus for making pipe. 1,869,351; July 26.
Lincoln Machine Company. (See Pullan, James F., assignor.)
Lincoln, Paul M., Ithaca, N. Y. Thermostatic element. 1,890,909; Dec. 13.
Lincoln, Richard V. (See Ripberger, A. G., and Lincoln.)
Lincoln, Robert A., Wichita Falls, Tex. Slip joint for drill stem. 1,844,257; Feb. 9.
Lind, John, Brooklyn, N. Y. Underwater cutting torch. 1,842,454; Jan. 26.
Lind, Leroy C. (See Wahlbom, E. T., Lind, and Wahlbom.)
Lindahl, Anders. (See Luttropp, Conrad, assignor.)
Lindberg, Arvid, Alma, Ohio. Smoke shade for fireplaces. 1,876,916; Aug. 9.
Lindberg, Nils C., Crete, Ill., assignor to Victor Chemical Works. Method for the conversion of ferrophosphorus. 1,858,003; Nov. 10.
Lindberg, Nils C., and G. A. McDonald, Chicago Heights, Ill., assignors to Victor Chemical Works. Manufacture of monoammonium phosphate. 1,841,040; Jan. 12.
Linde Air Products Company, The. (See Jones, Homer W., assignor.)
Linde Air Products Company, The. (See Jones, G. I., and Bucknam, assignors.)
Linde Air Products Company, The. (See Obert, Casin W., assignor.)
Linde, Charles W., Vineland, N. J. Tire tool. 1,858,098; May 10.
Linde, Walter. (See Schoeller, W., Jordan, and Linde.)
Lindecker, Joseph B. (See Kegerreis, C. S., and Lindecker.)
Lindeen, Charles W., Omaha, Nebr. Treating wooden stringed instruments. 1,876,984; Sept. 13.
Lindegren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box moving mechanism for looms. 1,847,615; Mar. 1.
Lindeman, Jesse G., Yakima, Wash. Road vehicle support. 1,840,402; Jan. 12.
Lindeman, Jesse G., Yakima, Wash. Subsoiler. 1,855,604; Apr. 26.
Lindeman, Jesse G., Yakima, Wash. Offset disk harrow. 1,855,605; Apr. 26.
Lindemann, A. J., & Hoverson Company. (See Lindemann, Walter C., assignor.)
Lindemann, A. J., & Hoverson Company. (See Lindemann, Albert J. and W. C., assignors.)
Lindemann, A. J., & Hoverson Company. (See Lindemann, A. J., Lindemann, and Schmidt, assignors.)

Lindemann, A. J., & Hoverson Company. (See Lindemann, Albert J., W. C., and Schmidt, assignors.)
Lindemann, A. J., & Hoverson Company. (See Schmidt, Adolph T., assignor.)
Lindemann, Albert J. and W. C., and A. T. Schmidt, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Broiler. 1,851,854 : Mar. 29.
Lindemann, Albert J. and W. C., and A. T. Schmidt, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Broiler. 1,851,855 : Mar. 29.
Lindemann, Albert J, and W. C., assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Gas heater. 1,853,690 ; Apr. 12.
Lindemann, Albert J., W. C. Lindemann, and A. T. Schmidt, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Thermostatic generator and control device. 1,886,701 ; Nov. 8.
Lindemann, Bruno, Berlin, Germany. Heat exchanging container. 1,857,087 ; May 3.
Lindemann, Frederick W., St. Paul, assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Laundry press. 1,836,187 ; Jan. 5.
Lindemann, Frederick W., St. Paul, Minn., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Garment press. 1,845,416 ; Jan. 26.
Lindemann, Waldemar, Dusseldorf, Germany. Briquetting press. 1,879,356 ; Sept. 27.
Lindemann, Walter C. (See Lindemann, A. J., Lindemann, and Schmidt.)
Lindemann, Walter C. (See Lindemann, A. J. and W. C.)
Lindemann, Walter C. (See Lindemann, Albert J., W. C., and Schmidt.)
Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Broiler. 1,851,853 ; Mar. 29.
Lindemon, William H., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Tip for mechanical pencils. 1,872,151 ; Aug. 16.
Linden, Elizabeth A., Seattle, Wash. Novelty doll toy. Des. 66,848 ; Apr. 20.
Linden, Paul F., Yonkers, N. Y. Identification means. 1,888,090 ; Nov. 15.
Lindenberg, Theodore, Columbus, Ohio. Sound amplifier. 1,841,658 ; Jan. 19.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Generator. 1,842,553 ; Jan. 26.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 1,875,050 ; Aug. 30.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 1,884,006 ; Oct. 25.
Lindenschmitt, Henry A., Grand Junction, Colo. Meat block scraper. 1,855,299 ; Apr. 26.
Linder, Alvin A. (See Charlesworth, S. I., Harris, and Linder.)
Linder, Cyril S., Creighton, Pa., assignor to Pittsburgh Plate Glass Company. Making a refractory cast article. 1,878,870 ; Sept. 20.
Linder, Oscar J., Omaha, Nebr. Telephone cabinet. 1,861,509 ; June 7.
Linderman, Andrew L. and T. J. Maines, Pittsburgh, Pa., Bolt. 1,857,388 ; May 10.
Linderme, Emil, sr. (See Cibs, Anthony F., assignor.)
Lindewald, Arthur F., Brooklyn, N. Y. Toilet article and manufacturing the same. 1,889,675 ; Nov. 29.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Windrow harvester. 1,844,860 ; Feb. 9.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Tractor operated planter. 1,878,871 ; Sept. 20.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Corn picker gathering point. 1,878,941 ; Sept. 20.
Lindgren, Alexus C., and W. A. Horthy, Chicago, Ill., assignors to International Harvester Company. Hydraulic power lift attachment for tractors. 1,842,790 ; Jan. 26.
Lindgren, Bror J., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Brake. 1,856,345 : May 3.
Lindgren, Bror J., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Automatic punch press. 1,872,474 ; Aug. 16.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,864,841 ; June 28.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,871,186 ; Aug. 9.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Cutting and loading machine. 1,881,744 ; Oct. 11.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,891,191 ; Dec. 13.
Lindgren, Frank O., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Machine for inserting circulars into containers. 1,849,238 ; Mar. 15.
Lindgren, Hans O., Stockholm, and K. G. Malm, Saltsjobaden, Sweden, assignors to The De Laval Separator Company, New York, N. Y. Recovering paraffin from paraffin-containing materials. 1,847,488 ; Mar. 1.
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Elastic bearing for separators. 1,857,315 ; Nov. 8.
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 1,857,476 ; Nov. 8.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dishwashing machine. 1,857,726 ; May 10.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Soap holder for dishwashing machines. 1,857,727 ; May 10.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dishwashing machine. 1,857,728 ; May 10.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dishwashing machine. 1,857,729 ; May 10.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Conveying mechanism for dishwashing machines. 1,857,730 ; May 10.
Lindgren, Waldemar L., Waukegan, Ill., assignor to Hoeft & Company, Inc., North Chicago, Ill. Thermostatically controlled switch. 1,873,436 ; Aug. 23.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dishwashing machine. 1,881,520 ; Dec. 13.
Lindh, Frank C., Chicago, Ill. Coil machine. 1,862,626 ; **June 14.**
Lindhard, Povl T., Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Manufacture of hydraulic cement. 1,885,845 ; Nov. 1.
Lindhorst, Heinrich, Berlin-Grunewald, Germany. Process for the hardening of iron and the like with the aid of a gas generated in the hardening furnace. 1,848,958 ; Mar. 8.
Lindley, Curtis, jr., Empire, Calif. Fruit packing device. 1,877,479 ; Sept. 13.
Lindley, Henry William, Berlin-Lichterfelde, Germany. Microscope refractometer. 1,868,908 ; July 26.
Lindley, Irma L., Laurel, Miss. Storage battery. 1,880,323 ; Oct. 4.
Lindley, Thomas H. (See Doody, Frederick C., assignor.)
Lindmark, Elmer S., and F. C. Kaufmann, Brooklyn, N. Y. ; said Kaufmann assignor to said Lindmark. Match container. 1,863,724 ; June 21.
Lindner, Edward, Philadelphia, Pa. Traffic signal. 1,875,713 ; Aug. 23.
Lindner, John C., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,852,352 ; Apr. 5.
Lindner, John C., assignor to General Railway Signal Company, Rochester, N. Y. Protective device for interlocking systems. 1,877,917 ; Sept. 20.
Lindner, Kurt, Oranienburg, near Berlin, assignor to Chemische Fabrik Milch Aktien-Gesellschaft, Berlin, Germany. Bleaching, dyeing, and printing vegetable and animal fiber material, fabrics, or felt. 1,881,745 ; **Oct. 11.**
Lindquist, Carl J., Brooklyn, N. Y. Airship sea beacon and service station. 1,840,324 ; Jan. 12.
Lindquist, David E. (See Robinson, W. M., Lindquist, Rader, and Young.)
Lindquist, David E., assignor to Mueller Brass Co., Port Huron, Mich. Joint. 1,866,857 ; July 12.
Lindquist, David E., assignor to Mueller Brass Co., Port Huron, Mich. Joint. 1,890,998 ; Dec. 13.
Lindquist, John, Oakland, Calif. Dispensing device. 1,875,621 ; Sept. 6.
Lindqvist, Erik, Malmo, Sweden. Breast pump. 1,859,959 ; Mar. 22.
Lindroth, Gerald J., Toledo, Ohio. Abrader. 1,853,365 ; **Apr. 12.**
Lindsay, Alexander R., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Door latch. 1,842,182 ; Jan. 19.
Lindsay, Carey W., Homeland, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle cap. 1,861,603 ; June 7.
Lindsay, Hamilton, Shaker Heights, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Bobbin. 1,846,524 ; Feb. 23.
Lindsay, Harvey B., Evanston, Ill. Thermal insulating structure and manufacturing same. 1,842,175 ; Jan. 26.
Lindsay, James D., assignor to Standard Oil Company, Whiting, Ind. Wax containing composition. 1,871,187 ; Aug. 9.
Lindsay, Russell H., New York, N. Y., assignor to American Telephone and Telegraph Company. Energy control arrangement. 1,848,220 ; Mar. 8.
Lindsay Wire Weaving Company, The. (See Lindsay, Hamilton, assignor.)
Lindsay Wire Weaving Company. (See Sutton, Walter C., assignor.)
Lindsey, Anna K., Morrisonville, Ill. Sick-room or commode chair. 1,879,879 ; Sept. 27.
Lindsey, Anna K., Morrisonville, Ill. Combination portable stove. 1,879,880 ; Sept. 27.
Lindsey, Lucius A., Atlanta, Ga. Electric alarm clock. 1,841,746 : Jan. 19.
Lindsey, William, assignor to Wm. Wrigley, jr. Company, Chicago, Ill. Wrapping machine. 1,860,365 ; May 31.

Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Shuttle changing mechanism. 1,850,304; Mar. 22.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Temple thread cutter for filling replenishing looms. 1,850,305; Mar. 22.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Loom debby. 1,853,985; Apr. 12.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Cloth take-up mechanism for looms. 1,864,318; June 28.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,865,119; June 28.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Canter fork stop motion for looms. 1,865,930; July 5.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Loose reed stopping mechanism for looms. 1,874,555; Aug. 30.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Picker stick check. 1,880,096; Sept. 27.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Loom stopping mechanism. 1,892,062; Dec. 27.
Lindsjo, Verner, Hopedale, and L. M. Rogers, Mendon, assignors to Draper Corporation, Hopedale, Mass. Stopping mechanism for looms. 1,850,306; Mar. 22.
Lindsley, Hiram C. (See Bird, A. L., and Lindsley.)
Lindstaedt, Frank F. (See Shatto, D. L., and Lindstaedt.)
Lindstaedt, Frank F., Oakland, assignor to Hercules Glue Company, San Francisco, Calif. Spreader and emulsifier for spray compositions. 1,890,158; Dec. 6.
Lindstedt, Otto, Dresden, Germany. Device for improving the tone of steel strings. 1,849,463; Mar. 15.
Lindstrom, Albert F. (See Hageman, A. M., and Lindstrom.)
Lindstrom, Andrew E., San Francisco, Calif. Apparatus for filling vacuumized cars with inert gas. 1,847,189; Mar. 1.
Lindstrom, Frank L., Bridgeport, Conn. Toy scroll saw. 1,872,988; Aug. 23.
Lindstrom, Nils O., Nutley, N. J., assignor to A. B. See Elevator Company, Inc. Safety device for elevators. 1,839,235; Jan. 5.
Lindstrom, Nils O., Nutley, N. J., assignor to A. B. See Elevator Company, Inc. Elevator door system. 1,872,770; Aug. 23.
Lindstrom, Nils O., Nutley, N. J., assignor to A. B. See Elevator Company, Inc. Bearing. 1,879,357; Sept. 27.
Lindström, Thorsten O. H. (See Sandqvist, Håkan, assignor.)
Lindvall, Gustaf, Port Menier, Anticosti Island, Canada. Chain shackle. 1,866,813; July 12.
Line Material Company. (See Cole, George H., assignor.)
Line Material Company. (See Dohrwardt, John F., assignor.)
Line Material Company. (See Forrest, Elbert E., assignor.)
Line Material Company. (See Hendee, Lem E., assignor.)
Line Material Company. (See Kyle, William D., assignor.)
Line Material Company. (See Lemont, Clarence J., assignor.)
Line Material Company. (See Smythe, R. L., and Giese, assignors.)
Line Material Company. (See Steinmayer, Alwin G., assignor.)
Linear Packing & Rubber Co. (See Swartz, Alfred W., assignor.)
Linendoll, Asa E., Norwalk, Ohio. Brake testing device. 1,848,487; Mar. 8.
Linendoll, Asa E., Norwalk, Ohio. Brake tester. 1,848,488; Mar. 8.
Linen Thread Company, The. (See Runkle, Lloyd O., assignor.)
Line-O-Graph Company. (See Chase, C. E., and Fiegel, assignors.)
Line-O-Graph Company. (See Page, Marshall H., assignor.)
Line-O-Scribe Incorporated. (See Lamb, Herbert W., assignor.)
Lines, Howard N., Sabetha, Kans. Display case. 1,863,493; June 14.
Linfert, William, et al. (See Linfert, W., and Walters, assignors.)
Linfert, William, and W. T. Walters, assignors of two-thirds to said Linfert and one-third to David Howe, Cincinnati, Ohio. Locking cap for automobile gasoline tanks. 1,879,359; Sept. 27.
Lingesty, Charles W., Highland, assignor to Stebler Parker Co., Riverside, Calif. Roller cleaning and oiling device for driers. 1,873,437; Aug. 23.
Linga, Torbjorn, Kokomo, Ind. Carburetor. 1,851,711; Mar. 29.
Lingo, Archibald E., Collingswood, N. J. Scaffold. 1,853,566; Apr. 12.
Lingo, Wayne W., Cleveland, and C. I. Cronburg, Cleveland Heights, assignors to F. B. Tibble, Cleveland, Ohio. Advertising device. 1,874,199; Aug. 30.
Lingo, William, Pasadena, Calif. Starting device. 1,862,410; June 7.
Lingren, Rollie E. (See Johnson, O. A., and Lingren, assignors.)
Lingwood, Frederick D., assignor to Manufax Limited, London, England. Hand-operated shearing tool. 1,878,500; Sept. 20.
Link-Belt Company. (See Dull, Raymond W., assignor.)
Link-Belt Company. (See Dull, R. W., and Geertz, assignors.)
Link-Belt Company. (See Ellersgaard Asger, assignor.)
Link-Belt Company. (See Erickson, Willard F., assignor.)
Link-Belt Company. (See Hartley, John J., assignor.)
Link-Belt Company. (See Kidder, Elwin H., assignor.)
Link-Belt Company. (See Lane, J. L., and Moore, assignors.)
Link-Belt Company. (See Miller, Edgar C., assignor.)
Link-Belt Company. (See Morehead, G. L., and Young, assignors.)
Link-Belt Company. (See O'Connor, G., and Hobart, assignors.)
Link-Belt Company. (See Oldroyd, Gerald J., assignor.)
Link-Belt Company. (See O'Neil, F. S., and McKinney, assignors.)
Link-Belt Company. (See Sayers, Albert J., assignor.)
Link-Belt Company. (See Snyder, Louis F., assignor.)
Link Belt Company. (See Tark, Marcus B., assignor.)
Link-Belt Company. (See Tark, M. B., and Cleveland, assignors.)
Link-Belt Company. (See Waechter, F. F., and Snyder, assignors.)
Link, Forest, Cincinnati, Ohio, assignor to Remington Rand Inc., Tonawanda, N. Y. Automatic shuttle mechanism for adding machines. 1,862,754; June 14.)
Link, Harry W. (See Landenberger, H. W., and Link.)
Link, John H., Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,861,536; June 7.
Link, Louis, New York, N. Y. Tape serving machine. 1,846,811; Feb. 23.
Link, Rolls P., London, England. Form and platen for use in printing and embossing presses. 1,843,035; Jan. 26.
Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake operating mechanism. 1,853,910; Apr. 12.
Link, Willy, Berlin-Karlshorst, assignor to the Firm Fritz Werner Aktiengesellschaft, Berlin-Marienfelde, Germany. Driving mechanism for machine tools, such as planing machines, grinding machines, and the like. 1,842,725; Jan. 26.
Linke, Elvin, Denver, Colo. Electrical game. 1,858,020; May 10.
Linkenauger, Mont M., Sumter, S. C. Roasting apparatus. 1,854,850; Apr. 19.
Linkert, Howard W., assignor to The Wheeler-Schebler Carburetor Company, Indianapolis, Ind. Down draft carburetor. 1,849,276; Mar. 15.
Linn, Guy E. (See Gannon, I. J., and Linn.)
Linn, Holman H., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Head casting for radiators. 1,877,516; Sept. 13.
Linn Manufacturing Corporation, The. (See Hanks, George R., assignor.)
Linn Manufacturing Corporation, The. (See Linn, Holman H., assignor.)
Linn, Robert E. (See McCormick, T. J., and Linn.)
Linn, Robert E., Detroit, Mich. Tire cover. 1,890,123; Dec. 6.
Linnhoff, Franz, Eberswalde, Germany. Induction electric furnace. 1,872,990; Aug. 23.
Linnhoff, Franz, Eberswalde, Germany, assignor to Ajax Electrothermic Corporation, Ajax Park, N. Y. Electric induction furnace. 1,879,360; Sept. 27.
Linnhoff, Franz, Eberswalde, Germany, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,879,361; Sept. 27.
Linoleum Manufacturing Company. (See Godfrey, Alfred A., assignor.)
Linoleum Manufacturing Company. (See Godfrey, Arthur A., assignor.)
Linotype and Machinery Limited. (See Saint-Auben, Emile G., assignor.)
Linotype and Machinery Limited. (See Spence, Fred, assignor.)
Linscot, Harry J., assignor to San Antonio Drug Company, San Antonio, Tex. Bottle. Des. 86,088; Jan. 26.
Linse, Harry J., Ozone Park, assignor to Prismatic Plug Corporation of America, Brooklyn, N. Y. Ignition plug. 1,846,741; Feb. 23.
Linsell, Alfred A., Brentwood, England, assignor to Radio Corporation of America. Acoustic instrument. 1,844,014; Feb. 9.
Linsley, Douglas F., Sound Beach, Conn., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,051; Aug. 30.
Linstow, Frederik N., Benton, and W. Anderson, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Selective indicating mechanism. 1,860,191; May 24.
Linstrom, Peter J. (See Sickler, L. F., and Linstrom.)
Linstrom, Peter J., Medford, Mass. License plate holder. 1,879,906; Sept. 27.
Lintelmann, George M., assignor of one-half to L. M. Lintelmann, Spokane, Wash. Commutator truing tool. 1,881,410; Oct. 4.
Lintelmann, Lola M. (See Lintelmann, George M., assignor.)

Lintern, Alfred R., and G. D., Cleveland, Ohio. Heating and air circulating apparatus. 1,839,688; Jan. 5.
Lintern, George D. (See Lintern, A. R. and G. D.)
Lintern, William, Cleveland, Ohio. Ventilating and/or cooling vehicle bodies. 1,862,058; June 7.
Linton, Grant, Mineola, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum cleaner attachment. 1,869,200; July 26.
Linton, Grant, New York, N. Y., and J. R. Townsend, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch cleaning device. 1,840,116; Jan. 5.
Linton, Robert C., Maplewood, Mo. Make-up device for printing forms. 1,851,675; Mar. 29.
Linzell, Harry K., La Grange, and H. A. Scholz, Oak Park, assignors to United States Gypsum Company, Chicago, Ill. Plastic paint. 1,858,369; May 17.
Lion Brothers Company. (See Marzak, Joseph S., assignor.)
Lion Bruener Inc. (See Foux, Noel J., assignor.)
Lion Match Co. (See Dill, J., and Shmyroff, assignors.)
Lion Match Company. (See Greenbaum, Leo, assignor.)
Lion Match Co. (See Gustavson, C., Van Hoofstadt, and Greenbaum, assignors.)
Lion Match Co., Inc. (See Shmyroff, A., Dill, and Van Hoofstadt, assignors.)
Lion Safety Pin Clutch Co., The. (See Levin, Harris, assignor.
Lionel Corporation, The. (See Caruso, Mario, assignor.)
Lionel Corporation, The. (See Howser, Harry R., assignor.)
Lionel Corporation, The. (See Ramus, Carl, assignor.)
Lionne, Ernest, Swampscott, Mass. Paper making. 1,847,773; Mar. 1.
Lionne, Ernest, Nahant, Mass. Shoe stiffener and making it. 1,848,102; Mar. 8.
Lipari, John, Hawthorne, and Joseph E. Matthews, Paterson, N. J. Ombré fabric. 1,874,320; Aug. 30.
Lipcut, Fred L., assignor to Rubber Shock Insulator Corporation, Bridgeport, Conn. Vibration insulator. 1,876,704; Sept. 13.
Lipe, Charles W. (See Currier, John C., assignor.)
Lipetz, Alphonse, Saratoga Springs, N. Y. Steam boiler. 1,843,289; Feb. 2.
Lipetz, Alphonse, Saratoga Springs, N. Y. Steam boiler. 1,864,310; June 21.
Lipman, Carl E. L., Beloit, Wis., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerating system. 1,839,659; Jan. 5.
Lipman, Carl E. L., Beloit, Wis., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerating apparatus. 1,847,387; May 10.
Lipman, Carl E. L., Beloit, Wis., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerating system. 1,861,617; May 31.
Lipman Patents Corporation. (See Lipman Carl E. L., assignor.)
Lipp, Albert E., Philadelphia, Pa. Photographer's flash light apparatus. 1,869,158; July 26.
Lippard, Leslie, Salida, Colo. Battery charging system. 1,849,965; Sept. 13.
Lippard, Robert M., Detroit, Mich., assignor to The Heald Machine Company, Worcester, Mass. Chuck. 1,849,946; Mar. 15.
Lippe-Lipski, Elaine von der, assignor of one-fourth to A. Cayton, Washington, D. C. Changeable exhibitor. 1,857,387; May 10.
Lippe, Olga P. Z., executrix. (See Zu Löwenstein, K. P., and Müller.)
Lipper, Clarence, Philadelphia, Pa., assignor to The Lipper Manufacturing Company. Textile fabric and making same. 1,845,718; Feb. 16.
Lipper, Clarence, Philadelphia, assignor to The Lipper Manufacturing Co., Inc. Bandeau. 1,879,362; Sept. 27.
Lipper Manufacturing Company, The. (See Lipper, Clarence, assignor.)
Lippert, Henry E., Norfolk, Va. Control system for motor vehicles. Re18,699; Dec. 20.
Lippert, Henry E., Pittsburgh, Pa. Control system for motor vehicles. 1,881,025; Oct. 4.
Lippert, John, Chicago, Ill. Replaceable heel for shoes. 1,844,067; Feb. 9.
Lippert, Walter E., Hewlett, assignor to Samuel Bonat & Bro., New York, N. Y. Pedestal dome for hair permanent waving machines. 1,867,069; May 31.
Lippert, Walter E., assignor to Elliott-Fisher Company, Harrisburg, Pa. Public service billing machine. 1,865,525; Nov. 1.
Lippitt, George R., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Soda fountain. Des. 87,012; May 24.
Lippmann, Ludwig M. (See Faitelowitz, Arnold, assignor.)
Lipps, William D., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Machine for making brushes. 1,888,351; Nov. 22.
Lipps, William D., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Machine for making brushes. 1,888,352; Nov. 22.
Lipps, William D., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Brush making machine. 1,888,353; Nov. 22.
Lippstadt, Isabel G., (See Lippstadt, Sigmund, assignor.)
Lippstadt, Isabel G., New York, N. Y. Key holder. 1,886,110; Nov. 1.
Lippstadt, Sigmund, New York, assignor to Isabel G. Lippstadt, New York, N. Y. Key holder. 1,866,216; July 5.
Lipschitz, Harry, Brooklyn, assignor to Lido Luggage Co., Inc., New York, N. Y. Lock plate. Des. 88,802; Dec. 27.
Lipschultz, Louis E., St. Paul, Minn. Cover. 1,889,206; Nov. 29.
Lipscomb, Robert U., and E. J. Kunsman, El Paso, Tex. Check valve. 1,889,256; Nov. 29.
Lipshitz, George, Bronx, assignor of one-half to H. Haas, Edgewater, N. J. Camera. 1,849,939; Mar. 15.
Lipsius, Samuel, New York, N. Y. Powdering apparatus. 1,859,304; May 24.
Liquid Carbonic Corporation, The. (See Gruetter, John R., assignor.)
Liquid Carbonic Corporation, The. (See Hunt, Franklin, assignor.)
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Liquid Carbonic Corporation. (See Kantor, J. and Miller, assignors.)
Liquid Carbonic Corporation. (See Loew, Charles H., assignor.)
Liquid Carbonic Corporation. (See Minor, Henry R., assignor.)
Liquid Carbonic Corporation. (See Mohler, Valentine J., assignor.)
Liquid Carbonic Corporation. (See Oslund, Charles H., assignor.)
Liquid Carbonic Corporation, The. (See Pratt, J. H., and Hunt, assignors.)
Liquid Dehydration Corporation. (See Washburn, Robert M., assignor.)
Liquid Dispensing Systems, Inc. (See Hawxhurst, John J., assignor.)
Liquidometer Corporation, The. (See de Giers, Clarence A., assignor.)
Liquidometer Corporation. (See Reeves, Donald H., assignor.)
Liquid Veneer Corporation. (See Ford, William H., assignor.)
Liserby Manufacturing. (See Low, Charles L., assignor.)
Lish, Nathan, assignor to Gralnick Bros. Inc., Philadelphia, Pa. Traveling bag. 1,873,773; Aug. 23.
Lishness, Lysander J., Lapeer, Mich. Doorcheck. 1,876,986; Sept. 13.
Lisle Corporation. (See Olson, Carl A., assignor.)
Liss, August S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material feeding apparatus. 1,841,488; Jan. 19.
Liss, August S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding device. 1,871,414; Aug. 9.
Lissauer, Adolph W., and S. Vermilye, Louisville, Ky. Sirup pump. 1,863,754; June 21.
Lissauer, Adolph W., and J. R. Coffey, assignors to Louisville Drying Machinery Co., Louisville, Ky. Return current drier. 1,853,691; Apr. 12.
Lissauer, M. & Cie. (See Witter, Wilhelm, assignor.)
Lissman, Marcel A. (See Horne, G. H., and Lissman.)
Lissman, Marcel A., assignor to International Precipitation Company, Los Angeles, Calif. Rectifying apparatus. 1,862,936; June 14.
Lista Fraga, James J., Chicago, Ill. Footwear. 1,844,773; Feb. 9.
Lister, R. A., & Company. (See Attwood, Frank A., assignor.)
Lister, William, Pine Haven Beach, Minn. Piston. 1,842,910; Jan. 26.
Listerman, John W., Pueblo, Colo. Shock absorber. 1,863,665; June 21.
Liston, Marc L. (See Heinze, W. A., and Liston.)
Listrat, Jean J., Clamart Seine, France. Producing antimony oxides. 1,873,774; Aug. 23.
Litchfield, Isaac W., Boston, Mass., assignor, by mesne assignments, to Sa-anac Bag Sealers, Inc., Benton Harbor, Mich. Method and machine for closing bags. 1,842,680; Jan. 26.
Litchfield, Isaac W., Boston, Mass., assignor to Bemis Bro. Bag Co., New York, N. Y. Intucking mechanism. 1,853,676; Mar. 29.
Litchfield, Isaac W., Boston, Mass., assignor to Bemis Bro. Bag Co., New York, N. Y. Stapling mechanism. 1,853,677; Mar. 29.
Litchfield, Isaac W., assignor to Bemis Industries, Incorporated, Boston, Mass. Mixer. 1,873,438; Aug. 23.
Litchter, Ira J., Teaneck, N. J., assignor of one-half to Crosby Gaige, New York, N. Y. Humidor. 1,865,700; July 5.
Litharge Recovery Corporation, The. (See Kinsel, Anthony, assignor.)
Lithgow, Charles H. (See Howle, Ernest O., assignor.)
Litke, Edward E., Wichita, Kans. Fuel economizer. 1,859,519; May 24.
Litkenhous, Edward E., Louisville, Ky. Hairpin. 1,846,882; Feb. 23.
Litle, Alva G., Denver, Colo. Display device. Des. 87,323; July 5.
Litle, Alva G., Denver, Colo. Display device. Des. 87,324; July 5.

Litomy, John L., Glen Ridge, N. J., assignor of one-third to J. A. Taferner and one-third to L. J. Schlitzer, New York, N. Y. Movable eye for dolls and the like. 1,849,304; Mar. 15.

Litomy, John L., Glen Ridge, N. J., assignor of one-third to J. A. Taferner, and one-third to L. J. Schlitzer, New York, N. Y. Eye mounting for dolls. 1,870,368; Aug. 9.

Litschge, Joseph, Wilkinsburg, Pa. Hose coupling. 1,845,882; Feb. 16.

Littell, F. Machine Co. (See Littell, F. M., and Miller, assignor.)

Littell, F. J., Machine Co. (See Skriba, R. A., and Littell, assignors.)

Littell, Frederick J. (See Skriba, R. A., and Littell.)

Littell, Frederick J., assignor to F. J. Littell Machine Company, Chicago, Ill. Jump feed mechanism. 1,858,403; May 17.

Littell, Frederick J., assignor to F. J. Littell Machine Company, Chicago, Ill. Power driven reel. 1,885,612; Nov. 1.

Littell, Frederick J., assignor to F. J. Littell Machine Company, Chicago, Ill. Automatic centering reel. 1,885,613; Nov. 1.

Littell, Frederick M., and E. R. Miller, assignors to F. J. Littell Machine Co., Chicago, Ill. Turning device for flat sided rivets. 1,861,196; May 31.

Little, Agnes G., administratrix. (See Little, Arthur E.)

Little, Arthur D., Brookline, Mass., assignor, by mesne assignments, to Rubber Surfaces, Inc., Wilmington, Del. Method and apparatus for beating pulp. 1,842,758; Jan. 26.

Little, Arthur D., Incorporated. (See Billings, Howard J., assignor.)

Little, Arthur D., Incorporated. (See Crocker, Ernest C., assignor.)

Little, Arthur D., Incorporated. (See Wheeler, T. L., and Carpenter, assignors.)

Little, Arthur D., Industrial Corporation. (See Stevenson, Earl P., assignor.)

Little, Arthur E., deceased. Elyria, by A. G. Little, administratrix, Akron, Ohio. Detachable coupling for jointed fishing rods. 1,863,638; Sept. 20.

Little, Benjamin P. (See Pike, R. D., Little, and Carroll.)

Little, Charles D., Chattanooga, Tenn. Bottle. Des. 86,038; Jan. 19.

Little, Clarence B., assignor to The Brownell Company, Dayton, Ohio. Automatic stoker. 1,877,410; Sept. 13.

Little, Clarence B., and W. J. Haag, assignors to The Brownell Company, Dayton, Ohio. Boiler. 1,870,059; Aug. 2.

Little, Donald G., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic direction finder. 1,862,119; June 7.

Little, Donald G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Amplifier. 1,877,918; Sept. 20.

Little, Earl W., Indianapolis, Ind. Bird cage. Des. 86,381; Mar. 1.

Little, Earl W. Indianapolis, Ind. Cage supporting stand. 1,849,100; Mar. 15.

Little, Earl W., Indianapolis, Ind. Receptacle for bird cages. 1,863,214; Apr. 12.

Little, Earl W., Indianapolis, Ind. Combined electrode and cage shaper. 1,854,206; Apr. 19.

Little, Earl W., Indianapolis, Ind. Carton. 1,870,917; Aug. 9.

Little, Earl W., Indianapolis, Ind. Paint applying machine. 1,889,676; Nov. 29.

Little, Earl W., Indianapolis, Ind. Welding means. 1,889,677; Nov. 29.

Little, Edwin G. (See Jefferson, G. V., and Little.)

Little, Edwin G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,889,022; Nov. 29.

Little, Ernest L., Toronto, Ontario, Canada. Container. 1,873,249; Aug. 23.

Little, George W., Newport, R. I. Fishhook. 1,865,120; June 28.

Little, Horace M. (See Holmes, Edgar R., assignor.)

Little, James E., Bethlehem, F. O. Kichline, and A. Ehrgott, Lebanon, Pa., assignors to Bethlehem Steel Company. Treatment of ores. 1,860,811; May 31.

Little, John Q., Whittier, Calif. Cement barrel. 1,854,518; Apr. 19.

Little, John Q. Whittier, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Casing shoe and valve. Re18,651; Nov. 8.

Little, Lonnie E., and H. T. Maib, Grandview, Wash. Bottle handle. 1,861,806; June 7.

Little, Thomas J., jr., Detroit, Mich. assignor, by mesne assignments, to The Silica Gel Corporation, Baltimore, Md. Purifying the refrigerant in refrigerating systems. 1,866,659; July 12.

Littlefield, Arlon, Cranston, assignor to New England Butt Company, Providence, R. I. Polishing machine. 1,849,719; Mar. 15.

Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Co., Battle Creek, Mich. Wrapping machine. 1,839,567; Jan. 5.

Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company. Battle Creek, Mich. Conveyer mechanism for wrapping machines. 1,843,453; Feb. 2.

Littlefield, Edgar E., Seattle, Wash. Electrically charging fluids. 1,854,475; Apr. 19.

Littlefield, Edgar E., Los Angeles, Calif. Valve and its operation. 1,862,937; June 14.

Littlefield, Edgar E., West Hollywood, Los Angeles, Calif. Valve and its operation. 1,885,846; Nov. 1.

Littlefield, Laurence P., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for use in factory management. 1,857,204; May 10.

Littlefield, Lloyd W., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Pneumatic tire casing repairing device. 1,859,305; May 24.

Littlefield, John S., and Thomas, Ky. Road repair apparatus. 1,849,581; Mar. 15.

Little Giant Manufacturing Co. (See Crosby, Ralph H., assignor.)

Littlejohn, Charles F., assignor to F. C. Boyd, New Haven, Conn. Glare shield. 1,844,289; Feb. 9.

Littlepage, Charles F., Ramona, Calif. Fence wire grapple. 1,881,746; Oct. 11.

Littlepage, Thomas P., jr., Washington, D. C. Radio system. 1,858,177; May 17.

Littleway Process Company, The. (See Colella, Pasquale, assignor.)

Littleway Process Company, The. (See Pym, Charles F., assignor.)

Littleway Process Company, The. (See Söhnle, Karl, assignor.)

Littman, Evelyn, New York, N. Y. Textile fabric or the like. Des. 88,562; Dec. 6.

Littman, Joseph W., New York, N. Y. Display device. 1,887,100; Nov. 8.

Litton, Charles V., Redwood City, assignor to Federal Telegraph Company, San Francisco, Calif. Vacuum tube. 1,872,991; Aug. 23.

Littwin, Samuel, New York, N. Y. Christmas candle or similar article. Des. 86,130; Feb. 2.

Litty, Elizabeth R. (See Litty, J. R., and Lundin, assignors.)

Litty, John R., and T. B. Lundin; said Lundin assignor to R. H. Litty, Philadelphia, Pa. Cake icing machine. 1,881,747; Oct. 11.

Litty, Paul, Leipzig, Germany. Controlling device for long lengths of spun material having an appreciable width. 1,886,702; Nov. 8.

Lively, Leroy A. (See Cote, George A., assignor.)

Liverence, Frank R. (See Signor, Alfred J., assignor.)

Livergood, Gerald R., Houston, Tex. Connection for pump plungers and the like. 1,849,101; Mar. 15.

Livergood, Gerald R., Houston, Tex. Slip bushing. 1,849,102; Mar. 15.

Livergood, Gerald R., deceased; M. E. Livergood, administratrix, Houston, Tex. Pipe engaging device. 1,886,343; Nov. 1.

Livergood, Marie E., administratrix. (See Livergood, Gerald R.)

Livermore, Homer F., Brookline, assignor to Guaranteed Parts, Inc., Allston, Mass. Lug strap for looms. 1,886,563; Nov. 8.

Livermore and Knight Company. (See Knight, Howard, assignor.)

Livermore, William T. (See Smith, T. C., Freeman, and Livermore.)

Livermore, William T. (See Smith, T. C., and Livermore.)

Livermore, William T., Westfield, N. J., assignor to American Telephone and Telegraph Company. Reeling device. 1,862,598; June 14.

Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Cutter bar for harvesters. 1,856,488; May 3.

Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Automatically adjustable divider and grain wheel. 1,873,429; Aug. 23.

Livingood, Jesse F., West Finley, Pa. Wheel attachment for front wheel drive mechanism. 1,881,201; Oct. 4.

Livingood, Jesse F., West Finley, Pa. Front wheel drive mechanism for motor vehicles. 1,881,202; Oct. 4.

Livingston, Edmund M., Chambersburg, Pa. Ballast spreader. 1,854,793; Apr. 19.

Livingston, Elizabeth, and L. Livingston, Washington, D. C. Game. 1,864,500; June 21.

Livingston, Elizabeth, Washington, D. C. Assembling machine. 1,883,307; Oct. 18.

Livingston Engineering Company. (See Eggan, Alfred J., assignor.)

Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pressure retaining valve. 1,879,696; Sept. 27.

Livingston, Gilbert R., Santa Monica, Calif. Game board. Des. 86,170; Feb. 9.

Livingston, Gilbert R., Santa Monica, Calif. Game board. Des. 86,171; Feb. 9.

Livingston, Ira W., Bridgeport, Ohio. Name plate. 1,877,919; Sept. 20.

Livingston, James. (See Hohing, F. J., and Livingston.)

Livingston, John W. (See Bone, H. L., and Livingston.)

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch locking apparatus. 1,839,794; Jan. 5.

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,844,169; Feb. 9.

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,854,300; Apr. 26.

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,864,361; June 21.

Living-ton, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,876,013; Sept. 6.

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,876,014; Sept. 6.

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track rail contactor. 1,877,184; Sept. 13.

Livingston, John W., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of N-substituted amines. 1,876,553; Apr. 19.

Livingston, John W., Kirkwood, and M. Luthy, assignors to Monsanto Chemical Works, St. Louis, Mo. Treatment of by-products in the cocoa and chocolate industries. 1,855,026; Apr. 19.

Livingston, John W., Kirkwood, and M. Luthy, assignors to Monsanto Chemical Works, St. Louis, Mo. Producing caffein. 1,865,378; June 28.

Livingston, Leon. (See Smith, Emory E., assignor.)

Livingston, Louis. (See Livingston, Elizabeth and L.)

Livingstone, Clarence J., assignor to Gulf Refining Company, Pittsburgh, Pa. Separation and purification of wax. 1,848,267; Mar. 8.

Ljunggren, Gustaf, Lund, Sweden. Detecting the presence of carbon monoxide. 1,891,429; Dec. 20.

Ljungkull, Rolf, assignor to Harnischfeger Corporation, Milwaukee, Wis. Winch head drive. 1,843,607; Feb. 2.

Ljungkull, Rolf, St. Paul, Minn., assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavating machinery. 1,875,062; Aug. 30.

Ljungkull, Rolf, Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavating machinery. 1,837,748; Dec. 1.

Ljungström, Fredrik, Lidingo, Sweden, assignor, by mesne assignments, to Ped, Incorporated. Power transmission. 1,861,418; May 31.

Ljungstrom, Fredrik, Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Fan. 1,868,113; July 19.

Ljungstrom, Fredrik, Stockholm, assignor, by mesne assignments, to Ped, Incorporated, New York, N. Y. Variable speed power transmission. 1,881,234; Oct. 4.

Llewellyn, Ernest R., Arlington, Mass. Screw thread lock. 1,881,749; Oct. 11.

Llewellyn, Ernest R., Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn. Tailstock. 1,842,035; Jan. 19.

Llewellyn, Ernest R., Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn. Screw thread lock. 1,845,429; Feb. 16.

Llewellyn, Ernest R., Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn. Power transmitting mechanism for lathes or the like. 1,853,737; Apr. 12.

Llewellyn, Ernest R., Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn. Antifriction bearing mounting. 1,881,750; Oct. 11.

Llewellyn, Fredrick, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tank structure. 1,897,306; Feb. 14.

Llewellyn, Jack, et al. (See Duber, John A., assignor.)

Llewellyn, William B., and S. F. W. Crundall, assignors to Kaye Spence & Son, Limited, Manchester, England. Preparation of titanium compounds. 1,876,065; Sept. 6.

Llobet, Juan, Habana, Cuba. Bumper for automobiles. 1,855,977; Apr. 26.

Lloyd, Charles G., La Grange, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Electric sheet-welding. 1,872,712; Aug. 16.

Lloyd, Chester H., Richmond, Va. Awning hinge. 1,866,474; July 5.

Lloyd, Donald W. sr., Youngstown, Ohio. Clutch. 1,850,510; Mar. 22.

Lloyd, Frank L., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Bottle. Des. 86,037; Jan. 19.

Lloyd, Lester T., Oak Park, and H. Olsen, Chicago, Ill., assignors to W. G. Lloyd Company. Visible card rack. 1,885,929; Nov. 1.

Lloyd, Stewart J., University, and A. M. Kennedy, Montgomery, Ala. Hydrolyzing the halides of hydrocarbons and their derivatives. 1,849,844; Mar. 15.

Lloyd, Stewart J., and G. D. Palmer, jr., assignors of one-third to Absalom M. Kennedy, University, Ala. Process of producing sulphur dye. 1,884,762; Oct. 25.

Lloyd, Theodore C. (See Hacker, J. W., and Lloyd.)

Lloyd, W. G., Company. (See Lloyd, L. T., and Olsen, assignors.)

Lloyd, W. G. Company. (See Olsen, Henry E., assignor.)

Loadometer Company. (See Troll, Frederick J., assignor.)

Lobb, Frank H. (See Bacon, J. L., and Lobb.)

Lobb, Frank H. (See Headley, B. T., Du Bois, Koob, and Lobb.)

Lobb, Frank H., Millville, N. J., assignor, by mesne assignments to Hartford-Empire Company, Hartford, Conn. Machine for molding molten glass and the like. 1,852,171; Apr. 5.

Lobb, Frank H., Philadelphia, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Machine for making articles from molten material. 1,878,942; Sept. 20.

Löbbecke, Karl. (See Schulz, E. H., and Löbbecke.)

Löbbecke, Karl, Rheinhausen, Germany. Process and apparatus for regulating furnaces working with different fuels. 1,839,977; Jan. 5.

Lobdell, John V., jr., Rosedale, Miss. Tire pressure indicator. 1,849,940; Mar. 15.

Lobell, Donald A., Baltimore, Md. Casement window. 1,877,416; Nov. 8.

Lobenstein, Walter, Brooklyn, assignor to J. Gaspari & Company, Inc., New York, N. Y. Screw retaining device for eyeglass temples. 1,882,153; Oct. 11.

Lober, William N., Reamstown, and W. E. Haushouer, Adamstown, Pa. Table top. Des. 86,529; Mar. 15.

Löbl, Arnold, Vienna, Austria. Casing for light-signs and signaling apparatus. 1,889,179; Nov. 29.

Lobl, Frederick, Middleboro, Mass. Combined menthol pencil and inhaler. Des. 88,659; Dec. 13.

Lobl, Frederick, Middleboro, Mass. Stopper or closure for containers. 1,846,648; Feb. 23.

Lobley, Fred A., assignor, by mesne assignments, to Dr. Miles Laboratories, Inc., Elkhart, Ind. Inserting machine. 1,886,890; Nov. 8.

Lobo, Bela A., New York, N. Y. Combined cigarette receptacle and pipe. 1,884,057; Oct. 25.

Lobo, Ernesto, jr. (See Lobo, Ernesto, sr., and E., jr.)

Lobo, Ernesto, sr., and E., jr., Mexico, Mexico. Device for utilizing the motive power of automatic vehicles 1,850,019; Mar. 15.

Loche, Marcel, Fontenay Sous Bois, France. Rail joint. 1,848,787; Mar. 8.

Lock Patents Holding Corporation. (See Samburg, Maurice, assignor.)

Lock-Steel Company, The. (See Greulich, Gerald G., assignor.)

Locke, Albert R., Oak Park, Ill. Selective circuit system and remote control. Re18,593; Sept. 13.

Locke, Albert R., Oak Park, Ill. Switch. 1,839,568; Jan. 5.

Locke, Arthur, Tacoma, Wash. Automatic water dispensing means. 1,875,053; Aug. 30.

Locke, Arthur A., assignor to Wolverine Tube Company, Detroit, Mich. Apparatus for manufacturing integral finned tubing. 1,865,575; July 5.

Locke, Edwin A., jr., Nevins Mass., assignor to Nevins Church Press, New York, N. Y. Counter display box. 1,850,020; Mar. 15.

Locke, Fred J. (See Locke, Fred M. and F. J.)

Locke, Fred M. and F. J., deceased; M. P. Locke, administratrix, Victor, assignor to Corning Glass Works, Corning, N. Y. Ultra violet ray transmitting glass and to a batch and method for making the same. 1,886,280; Nov. 1.

Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous signaling system. 1,846,883; Feb. 23.

Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Printing telegraph radial switching system. 1,856,714; May 3.

Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary distributor phasing circuit. 1,873,440; Aug. 23.

Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous signaling system. 1,873,609; Aug. 23.

Locke Insulator Corporation, The. (See Benard, Arthur G., assignor.)

Locke Insulator Corporation. (See Calloway, Howard L., assignor.)

Locke Insulator Corporation. (See Gouverneur, Minor F. R., assignor.)

Locke Insulator Corporation. (See Hawley, Kent A., assignor.)

Locke Insulator Corporation. (See Robertson, John C., assignor.)

Locke, James N. (See Ridgeway, L. E., and English, assignors.)

Locke, Mercie P., administratrix. (See Locke, Fred M., and F. J.)

Locke Regulator Company. (See Heaney, William A., assignor.)

Locke Steel Chain Company, The. (See Locke, S. D., and Stegeman, assignors.)

Locke Steel Chain Company. (See Stegeman, Henry J., assignor.)

Locke, Sylvanus D., Bridgeport, and H. J. Stegeman, Fairfield, Conn. Automobile body. 1,878,941; Sept. 20.

Locke, Sylvanus D., Bridgeport, and C. R. Dosch, Stratford, Conn., assignors, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. Re18,450; May 3.

Locke, Sylvanus D., Bridgeport, and C. R. Dosch, Stratford, Conn., assignors, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,847,434; Mar. 1.

Locke, Sylvanus D., Bridgeport, and H. J. Stegeman, Fairfield, assignors to The Locke Steel Chain Company, Bridgeport, Conn. Power lawn mower. 1,886,408; Nov. 8.

Locke, William S., Portland, Oreg. Pan lifter. 1,871,811; Aug. 16.
Lockett, A. M., & Company. (See Lockett, Andrew M., assignor.)
Lockett, A. M., & Company. (See Nelson, Bernard S., assignor.)
Lockett, Andrew M., assignor to A. M. Lockett Co., Ltd., New Orleans, La. Dredge. 1,861,349; May 31.
Lockett, Ralph G., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,853,826; Apr. 12.
Lockhart, John A., Wilmington, N. C. Wave motor. 1,887,316; Nov. 8.
Lockford, Janvier D., New York, N. Y. Automobile. Des. 86,222; Feb. 23.
Lockhart, George R., Providence, assignor to Manville Jenckes Company, Pawtucket, R. I. Manufacture of rayon. 1,865,701; July 5.
Lockhart, Hobart M., North Wilkesboro, N. C. Pump. 1,884,008; Oct. 25.
Lockhart, James, and R. C. Moore, assignors to The Coe Manufacturing Company, Painsville, Ohio. Conveyer. 1,860,679; May 31.
Lockhart, Lewis A. (See Morse, L. H., and Lockhart.)
Locki, John N., Sterling, Ill. Clip. 1,844,774; Feb. 9.
Lock Joint Pipe Company. (See Mitchell, John C., assignor.)
Lock Joint Window Company. (See Foresman, Harry B., assignor.)
Lock Joint Window Company. (See Hamilton, Roy E., assignor.)
Locklin, John L., Lawrence, N. Y. Bill frame. Des. 88,303; Nov. 15.
Lockwood, Alfred T. (See Bowers, F. U., and Lockwood.)
Lockwood, Douglas J., Onawa, Iowa. Grease gun. 1,860,716; May 31.
Lockwood, Edwin J., Peekskill, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Device for solidifying liquids and gases. 1,863,377; June 14.
Lockwood, Edwin J., Peekskill Village, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerator truck body. 1,870,685; Aug. 9.
Lockwood, Ernest H., Pasadena, Calif. Method of and apparatus for manufacturing concrete products. 1,859,878; May 24.
Lockwood, Ernest H., Pasadena, Calif. Method and apparatus for casting in position architraves and the like upon reinforced concrete walls. 1,863,549; June 14.
Lockwood, Erwin A., Royal Oak, assignor to American Electrical Heater Company, Detroit, Mich. Electric soldering iron. 1,860,192; May 24.
Lockwood, George I., Portland, Oreg. Concrete agitator. 1,875,622; Sept. 6.
Lockwood, Harry D., Kansas City, Mo. Sign. 1,875,307; Aug. 30.
Lockwood, Hiram A., Phoenix, Ariz. Air cooler. 1,891,167; Dec. 13.
Lockwood, John A., Fillmore, N. Y. Compound for preventing cannibalism in chickens. 1,877,676; Sept. 13.
Lockwood, Paul M., Short Hills, and E. Samci, Deuville, N. J., said Lockwood assignor to said Samel. Upholstery cover. 1,886,488; Nov. 8.
Lockwood, Ralph G. (See Stallings, E. O., and Gorton, assignors.)
Lockwood, Ray L., West Springfield, assignor to Old Colony Envelope Company, Westfield, Mass. Apparatus for making envelopes. 1,879,624; Sept. 27.
Lockyear, Fred E., Milwaukie, Oreg. Double disk brake. 1,845,505; Feb. 16.
Locomotive Booster Company. (See Klug, Kurt, assignor.)
Locomotive Finished Material Company. (See Muchnic, Henry R., assignor.)
Locomotive Firebox Company. (See Larson, Bert E., assignor.)
Locomotive Firebox Company. (See Seley, Charles A., assignor.)
Lodde, Herbert, New York, N. Y. Pipe cleaning method. 1,868,755; June 21.
Lodding, Frederick W., Worcester, Mass. Doctor mechanism for rolls and cylinders. 1,892,214; Dec. 27.
Lodge, Frank, and W. W. Tatum, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Manufacture of anthraquinone derivatives. 1,850,511; Mar. 22.
Lodge, Frank, and W. W. Tatum, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of anthraquinone derivatives. 1,881,751; Oct. 11.
Lodge, Frank, and W. W. Tatum, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of anthraquinone derivatives. 1,881,752; Oct. 11.
Loeb, Russel C., Myerstown, Pa. Piston and connecting rod. 1,885,538; Nov. 1.
Loebel, Albert, Amsterdam, assignor to De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of asphalt. 1,881,753; Oct. 11.
Loebel, Albert, Amsterdam, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of asphalt. 1,889,365; Nov. 29.
Loebel, Zanvil C., New York, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Surfacing material and preparing same. 1,860,040; May 24.
Loebel, Zanvil C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Window construction. 1,872,309; Aug. 16.
Loebell, Henry O., assignor to H. L. Doherty, New York, N. Y. Manufacture of combustible gas and carbonized fuel. 1,840,403; Jan. 12.
Loebell, Henry O., New York, N. Y., assignor to J. Louis Chavanne, Paris, France. Heat recuperation. 1,867,163; July 12.
Loeber, Edgar O., Cleveland, Ohio. Receptacle. 1,856,877; May 3.
Loeber, Edgar O., assignor to The Lome Company, Cleveland, Ohio. Closure. 1,834,763; Oct. 25.
Loebl, Jerrold, assignor to J. R. Thompson Co., Chicago, Ill. Table. 1,866,572; July 12.
Loecher, Günther, assignor to Firm Georg Wolf G. m. b. H., Berlin, Germany. Appliance for examination of hollow spaces through a narrow opening. 1,848,788; Mar. 8.
Loeffelman, Leo J., St. Louis, Mo. Expansion cutter. 1,861,928; June 7.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Motor. 1,851,051; Mar. 29.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Combined oil cooler and cleaner. 1,856,771; May 3.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Oil cooling system. 1,860,150; May 24.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Positive lubricating device for clutch throw-out bearings. 1,888,231; Nov. 22.
Loeffler, Rudolph W., Baltimore, Md. Wall insert. 1,856,030; Apr. 26.
Loeffler, William, Sheboygan, Wis. Woodworking machine. 1,849,987; Sept. 13.
Loehr, Adolph. (See Loehr, A., jr., and Schwab, assignors.)
Loehr, Adolph, jr., Bronx, N. Y., and E. S. Schwab, Jersey City, N. J., assignors to Lafayette, New York, N. Y. Cinematographic apparatus. 1,888,276; Nov. 22.
Loehr, Miles E., Claypool, Ind. Fishline float. 1,870,520; Aug. 9.
Loehr, Oskar, Uerdingen-Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of the composition of matter with a base of cellulose esters. 1,865,196; June 28.
Loening, Grover, Aircraft Company. (See Loening, Grover, assignor.)
Loening, Grover, Mill Neck, N. Y. Flying boat hull and the like. 1,842,791; Jan. 26.
Loening, Grover, New York, N. Y., assignor to Grover Loening Aircraft Company, Inc., Garden City, N. Y. Airplane. 1,859,306; May 24.
Loening, Grover, New York, assignor to Grover Loening Aircraft Company, Inc., Garden City, Long Island, N. Y. Airplane. 1,860,545; May 31.
Loening, Grover, New York, assignor to Grover Loening Aircraft Company, Garden City, N. Y. Retractable landing gear. 1,887,357; Nov. 8.
Loenneke, Louis J., et al. (See Abbott, Scott M., assignor.)
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Frangible vessel and making the same. 1,839,884; Jan. 5.
Loepsinger, Albert J., assignor to American Moistening Company, Providence, R. I. Self-cleaning atomizer. 1,879,363; Sept. 27.
Loesch, Carl F., Arnhaar, assignor to Naamlooze Vennootschap "Oliefabriek Alkmaar," Ondorp, Netherlands. Extracting means. 1,851,856; Mar. 29.
Loesch, Hugo G., Rochester, assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Pectin preparation. 1,879,697; Sept. 27.
Loesche, Ernst C., Berlin-Lankwitz, Germany, assignor to International Combustion Engineering Corporation, New York, N. Y. Crushing mill. 1,840,366; Jan. 12.
Loetscher, Emil C., Dubuque, Iowa. Making a fibrous building material. 1,862,635; June 14.
Loetscher, Emil C., Dubuque, Iowa. Making coated articles. 1,863,799; June 21.
Loetscher, Emil C., Dubuque, Iowa. Making veneered doors, panels, and the like. 1,863,800; June 21.
Loetscher, Emil C., Dubuque, Iowa. Making door panels of fibrous materials. 1,866,312; July 5.
Loetscher, Emil C., Dubuque, Iowa. Making articles of fibrous materials. 1,867,575; July 19.
Loetscher, Emil C., Dubuque, Iowa. Reproducing natural wood finishes on metal and other surfaces. 1,867,576; July 19.
Loetscher, Emil C., Dubuque, Iowa. Composite material and making the same. 1,875,054; Aug. 30.
Loetscher, Emil C., Dubuque, Iowa. Finishing wood surfaces. 1,875,055; Aug. 30.
Loetscher, Emil C., Dubuque, Iowa. Joining thin wood veneers. 1,875,056; Aug. 30.
Loetscher, Emil C., Dubuque, Iowa. Treating veneer. 1,876,329; Sept. 6.

Loetscher, Emil C., Dubuque, Iowa. Molding table tops and the like. 1,876,330; Sept. 6.

Loetscher, Emil C., assignor to Farley & Loetscher Mfg. Co., Dubuque, Iowa. Door construction. 1,847,121; Mar. 1.

Loetscher, Emil C., assignor of one-half to Farley & Loetscher, Mfg. Co., Dubuque, Iowa. Drum sanding machine. 1,876,328; Sept. 6.

Loetscher, Emil C., Dubuque, Iowa. Veneering. 1,887,691; Nov. 15.

Loetscher, Emil C., Dubuque, Iowa. Gluing wood with phenol condensation products. 1,891,430; Dec. 20.

Loew, Charles H., Avon Lake, Ohio, assignor to Liquid Carbonic Corporation, Chicago, Ill. System and apparatus for handling bottles. 1,852,322; Apr. 5.

Loew, Makoto. (See Orno-Ornfeldt, E., and Loew.)

Loewe, Bernhard, Berlin, Germany. Arrangement for dispersing bulk, of effective substances in vacuum valves. 1,875,744; Sept. 6.

Loewe, Siegmund, Berlin, Germany. Incandescent wire arrangement in anode bulb. 1,883; Jan. 5.

Loewe, Siegmund, Berlin Germany. Hot wire measuring instrument. 1,852,850; Apr. 5.

Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Multiple-unit tube. 1,840,043; Jan. 5.

Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Amplifier. 1,867,577; July 19.

Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Multiple unit high-frequency amplifier. 1,875,057; Aug. 30.

Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Making electron discharge devices. 1,875,058; Aug. 30.

Loewe, Siegmund, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Tuned receiver tube. 1,875,059; Aug. 30.

Loewenthal, Martin, New York, N. Y. Container. 1,850,876; Mar. 15.

Loewenthal, Siegfried. (See Sementiz, C., and Loewenthal.)

Loewinsohn, Joseph A., Atlanta, Ga. Vacuum cleaner. 1,871,624; Aug. 16.

Loewus, Julian S., Baltimore, Md. Shaft coupling. 1,891,255; Dec. 20.

Loewy, Julius E., Philadelphia, Pa. Grinding tool. 1,885,119; Nov. 1.

Loewy, Raymond, New York, N. Y., assignor to Hupp Motor Car Corporation, Detroit, Mich. Radiator ornament. Des. 85,945; Jan. 5.

Lofgren, Einar G. C., and W. M. Anderson, assignors of six-tenths to C. E. Lamb, C. R. Carlstrom, and L. J. Dawson, Minneapolis, Minn. Electric toaster. 1,888,902; Nov. 29.

Löfgren, Erik, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Variable rotary electric condenser. 1,878,639; Sept. 20.

Lofgren, John, Chicago, Ill., assignor to Ralco Manufacturing Co. Terminal connecter. 1,867,918; July 19.

Lofland, Alfred M., Lebanon, assignor of one-half to L. C. Willis, Indianapolis, Ind. Dual wheel for demountable rims. 1,861,187; May 31.

Lofland, Emil M., Chicago, Ill. Manufacture of pigments. 1,883,464; Nov. 22.

Lofman, Charles. (See Karpen, S., and Lofman.)

Lofstrand, Albin P., Chicago, Ill. Gang street sweeping machine. 1,849,941; Mar. 15.

Lofstrand, Albin P., Chicago, Ill. Plow 1,867,517; July 12.

Lofstrand, Albin P., Chicago, Ill. Plow. 1,884,009; Oct. 25.

Loftin, Edward H. (See Meyer, F., and Spanner, assignors.)

Loftin, Edward H., New York, assignor to General Railway Signal Company, Rochester, N. Y. Method of and apparatus for electrical signaling. 1,877,920; Sept. 20.

Loftin, Edward H., and S. Y. White, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier system, method, and apparatus. 1,851,787; Mar. 29.

Loftin, Lawrence K., Altavista, Va., assignor to The Lane Company, Inc. Cedar chest. 1,875,247; Aug. 30.

Loftin, Lawrence K., Altavista, Va., assignor to The Lane Company, Inc. Mothproof receptacle. 1,880,325; Oct. 4.

Loftin, Lawrence K., Altavista, Va., assignor to The Lane Company, Inc. Mothproof receptacle. 1,890,857; Dec. 13.

Loftin, Lawrence K., Altavista, Va., assignor to The Lane Company, Inc. Cedar chest. 1,890,999; Dec. 13.

Loftin, Lee M., Oxford, N. C. Machine for sharpening saw teeth. 1,844,775; Feb. 9.

Loftus, Herbert M., Chattanooga, Tenn. Gate valve. 1,874,556; Aug. 30.

Loga, Alexander, Dearborn, assignor, by direct and mesne assignments, of one-fourth to M. Ciungan, Detroit, and one-fourth to J. Pavel, Dearborn, Mich. Adjustable saw frame. 1,865,026; June 28.

Logan, Addison, et al. (See Logan, Amazon C., assignor.)

Logan, A. J., Company. (See Schiffhouer, J. H., and Sell, assignors.)

Logan, Amazon C., assignor of one-fourth to N. Brown and L. Brown, one-fourth to A. Logan and R. R. Logan, one-fourth to H. M. Cook and R. H. Cook, one-eighth to H. C. Logan, and one-eighth to M. P. Logan, Tampa, Fla. Safety license tag holder. 1,886,703; Nov. 8.

Logan Autovolumeter Co. of Oklahoma. (See Logan, W. E., jr., and Carlisle, assignors.)

Logan Co. (See Cain, W. E. and Crady, assignors.)

Logan Co. Inc. (See Gotthardt, Henry R., assignor.)

Logan Co. (See Gotthardt, H. R., and Cain, assignors.)

Logan Co. (See Groth, Edward, assignor.)

Logan Co. (See Logan, Amazon C., assignor.)

Logan, Cyrus F., Washington, D. C., and C. F. Mahnke, Moose Lake, Minn.; said Logan assignor to Sedgefroducts Company, Buckwaukee, Wis. Insulating product and producing same. 1,863,329; June 14.

Logan, Edward L. (See Griffin, Patrick J., assignor.)

Logan, Frank H., Los Angeles, Calif. Socket for artificial limbs. 1,861,311; May 31.

Logan, Henry H., Chicago, Ill. Shock absorber. 1,860,108; May 24.

Logan, Henry H., Chicago, Ill. Confection display device. 1,866,117; July 5.

Logan, Hugh C., et al. (See Logan, Amazon C., assignor.)

Logan, J. A. (See Humason, Granville A., assignor.)

Logan, John W., jr. (See Clausen, H. C., and Logan, assignors.)

Logan, John W., Cambridge, Mass. Attachment for hospital bed. 1,865,324; June 28.

Logan, Joseph A., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,870,918; Aug. 9.

Logan, Joseph A., and W. H. De Lancey, Springfield, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,881,754; Oct. 11.

Logan, Kyle W., Roanoke, Va. Differential gear. 1,849,429; Mar. 15.

Logan, Martha P., et al. (See Logan, Amazon C., assignor.)

Logan, Martin C., and J. E. Philpott, Elgin, Ill.; said Logan assignor to said Philpott. Collapsible horse. 1,881,755; Oct. 11.

Logan, Ruby R., et al. (See Logan, Amazon C., assignor.)

Logan, Walter E., jr., and E. M. Carlisle, Tuskahoma, Okla., assignors to Logan Autovolumeter Co. of Oklahoma. Register for gasoline storage tanks. 1,848,789; Mar. 8.

Logan, William R., jr., Carthage, Mo. Deck of playing-cards. Des. 86,191; Feb. 9.

Logan, Zack S., assignor to Logan Co., Inc., Louisville, Ky. Conveying system. 1,876,066; Sept. 6.

Logangear Products Company, The. (See Sprink, I. W., and Nordholt, assignors.)

Log Debarking and Sizing Corporation. (See Kirkwood, Arthur M., assignor.)

Logette, Abraham I., and E. H. Dainton, London, England. Brake testing apparatus. 1,848,790; Mar. 8.

Logie, Henry B., Rosely Park, N. J. Sorting and packaging machine. 1,858,161; May 10.

Logiodice, Carmen, Pittsburgh, and R. C. Hiteshue, New Kensington, Pa. Mechanical selector. 1,841,373; Jan. 19.

Logue, Leland H. (See Daman, A. C., and Logue.)

Lohman, Harry C., Brooklyn, N. Y., assignor of one-half to A. Samuels, Morristown, N. J. Bottle stopper. 1,866,313; July 5.

Lohmann, Hugo, Berlin-Johannisthal, Germany. Alloy. 1,840,457; Jan. 12.

Lohmann, Willi, New York, N. Y. Toilet stand. 1,867,747; July 19.

Lohmann, William H., Wilmington, Del., assignor to General Chemical Company, New York, N. Y. Apparatus for dispersing liquid material. 1,846,884; Feb. 23.

Lohmann, William H., Wilmington, Del., and G. W. Kaestner, Montclair, N. J., assignors to General Chemical Company, New York, N. Y. Shipping container. 1,858,456; Nov. 1.

Lohner, Carl L., and J. E. Covey, assignors, by mesne assignments, to Industrial Patents Corporation. Chicago, Ill. Refrigerated food package. 1,856,920; May 3.

Lohr, Paul. (See Berner, L., and Lohr.)

Lohrke, James L., Moylan-Rose Valley, and H. H. Perry, Bryn Mawr, Pa. Producing yarn. 1,883,384; Oct. 18.

Lohrman, Thomas P., Oakland, Calif. Fabric attaching device. 1,848,637; Mar. 8.

Lohs, Willy. (See Doring, F., and Lohs.)

Loiseau, Raoul T., Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Metallic pipe coupling. 1,860,423; May 31.

Loiseau, René. (See Collet, P., and Loiseau.)

Lolley, William H., Buffalo, N. Y. Shock absorber. 1,866,167; July 5.

Lolley, William H., Albany, B. Johnsen, Brooklyn, and F. L. Wheeler, assignors to The Ludlow Valve Manufacturing Company, Troy, N. Y. Hydrant. Des. 86,576; Mar. 22.

Lollo, Arthur, Brooklyn, N. Y. Shaker tray. Des. 86,727; Apr. 12.

Lollo, Arthur, Brooklyn, N. Y. Shaker tray. Des. 86,885; May 3.

Lomar, Louis L., Houston, Tex. Coupling. 1,879,364; Sept. 27.

Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,846,218; Feb. 23.

Lomax, Clarence E., Oak Park, and J. H. Voss, Berwyn, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Intercommunicating system. 1,852,619; Apr. 5.

Lomax, Clarence E., Oak Park, and O. C. Levy, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Watchman's supervisory system. 1,853,554; May 12.

Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,869,043; Aug. 2.

Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,871,407; Aug. 16.

Lombard, Nathaniel, Worcester, Mass. Change speed gear set. 1,858,050; May 10.

Lombard, Nathaniel, Worcester, Mass. High speed gear shift. 1,858,051; May 10.

Lombard, Nathaniel, Worcester, Mass. Control device for fluid pressure actuated mechanism. 1,866,958; July 12.

Lombard, Nathaniel, Worcester, Mass. Power brake. 1,878,786; Sept. 20.

Lombard, Nathaniel, Worcester, Mass. Vacuum brake. 1,878,944; Sept. 20.

Lombard, Nathaniel, Worcester, Mass. Vacuum brake. 1,879,365; Sept. 27.

Lombardi, Vincent. (See Rasmussen, Osvald E., assignor.)

Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,866,945; July 12.

Lombardi, William A., East Stroudsburg, Pa. Chocking device for automobiles and aeroplanes. 1,885,120; Nov. 1.

Lome Company, The. (See Loeber, Edgar O., assignor.)

Lommel, Wilhelm, and H. Münzel, Wiesdorf, near Cologne, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation products from phosphine oxides and phenolic compounds. 1,844,015; Feb. 9.

Lommel, Wilhelm, Wiesdorf-on-the-Rhine, and T. Goost, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic manufacture of hexa hydro aniline. 1,862,599; June 14.

Lommel, Wilhelm, Wiesdorf-on-the-Rhine, T. Goost, Leverkusen-on-the-Rhine, and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. N-substituted dithiocarbamic acids and the salts thereof. 1,863,572; June 21.

Lommel, Wilhelm, Wiesdorf-on-the-Rhine, T. Goost, Leverkusen-on-the-Rhine, and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vulcanization accelerator. 1,873,934; Aug. 23.

Lommel, Wilhelm, Wiesdorf-on-the-Rhine, T. Goost, Leverkusen-on-the-Rhine, and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Accelerator for vulcanization processes. 1,873,935; Aug. 23.

Lommel, Wilhelm, Wiesdorf-on-the-Rhine, T. Goost, Leverkusen-on-the-Rhine and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Accelerator for vulcanization purposes. 1,873,936; Aug. 23.

Lommel, Wilhelm, Wiesdorf-on-the-Rhine, T. Goost, Leverkusen-on-the-Rhine, and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Accelerator for vulcanizing rubber compounds. 1,873,937; Aug. 23.

Lomonosoff, George V. (See Kapitza, P., and Lomonosoff.)

Lonaberger, Robert F., and C. F. Sands, Reading, Pa. Liquid fuel vaporizer. 1,882,388; Oct. 11.

Lonbeck, William F., Boone, Colo. Bean harvester. 1,862,226; June 7.

London, Jack. New York, N. Y. Emblem stand. Des. 86,919; May 10.

London, Jacob M. (See Crawford, G. M., and London.)

London, William J. A., Hartford, Conn., assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus for pulverizing materials. 1,875,817; Sept. 6.

Lonergan, Edward A., Brooklyn, N. Y. Electric water heater. 1,847,489; Mar. 1.

Lonergan, Edward A., New York, N. Y. Electric water heater. 1,891,000; Dec. 13.

Lonergan, Simon J. (See Morley, J. P., and Lonergan.)

Lonergan, Simon J., La Porte, Ind. Water heater casing or like article. Des. 88,423; Nov. 29.

Lonergan, Simon J., assignor to Bastian-Morley Company, La Porte, Ind. Electric water heater. 1,839,236; Jan. 5.

Lonergan, Simon J., assignor to Bastian-Morley Company, La Porte, Ind. Thermostat mechanism. 1,845,027; Feb. 16.

Lonergan, Simon J., assignor to Bastian-Morley Co., La Porte, Ind. Burner structure. 1,884,764; Oct. 25.

Lonergan, Simon J., and H. E. Ginther, assignors to Bastian-Morley Co., La Porte, Ind. Control mechanism. 1,856,489; May 3.

Lone Star Gas Company, (See Martin, James W., assignor.)

Loney, John W., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Treeing machine. 1,843,984; Feb. 9.

Loney, John W., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Upper pressing machine. 1,855,247; Apr. 26.

Loney, John W., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Garment display device. 1,887,652; Nov. 15.

Long, Allen T., assignor to Atkinson & Long Mfg. Co., Petersburg, Va. Log turner. 1,841,344; Jan. 12.

Long, Archie O. (See Melchert, Charles A., assignor.)

Long, Archie O., Kansas City, Mo. Pressing apparatus. 1,849,965; Jan. 12.

Long, Bernard, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for tempering glass. 1,879,698; Sept. 27.

Long, Bernard, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Tempering glass. 1,879,699; Sept. 27.

Long, Charles E., assignor of one-half to Puffer-Hubbard Mfg. Co., Minneapolis, Minn. Refrigerating device. 1,880,097; Sept. 27.

Long, Charles E., assignor of one-half to Puffer-Hubbard Mfg. Co., Minneapolis, Minn. Storage drawer for refrigerating apparatus. 1,888,041; Nov. 15.

Long, Charlotte, et al. (See Jones, Linton, assignor.)

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 85,946; Jan. 5.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 86,089; Jan. 26.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 86,248; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 86,249; Feb 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 86,250; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 86,251; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 86,252; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 86,253; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 86,254; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 86,255; Feb. 16.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 86,323; Feb. 23.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 86,464; Mar. 8.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Skirt. Des. 86,728; Apr. 12.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 86,886; May 3.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 86,920; May 10.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 87,070; May 31.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 87,071; May 31.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 87,072; May 31.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 87,119; June 7.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 87,223; June 21.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 87,224; June 21.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 87,269; June 28.

Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 87,270; June 28.

Long, Edward F., Spartanburg, S. C. Main spring tester. 1,857,756; Oct. 1.

Long, Eldridge E., and W. C. Goetze, Troutdale, Oreg. Fastening device. 1,888,875; Nov. 22.

Long, Elmer C., Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich. Piston for internal combustion motors. 1,872,772; Aug. 23.

Long, Felix, New City, N. Y. Picture frame. 1,857,966; May 10.

Long, Frank V., trustee. (See Jones, Henry A., assignor.)

Long, Fred R., Catawissa, Pa. Shoe easing device. 1,862,600; June 14.

Long, George A., assignor to The Long Security Lock Company, Hartford, Conn. Lock. 1,863,525; June 14.

Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin controlled actuating device. 1,886,409; Nov. 8.

Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Forming telephone pay station boxes. 1,888,956; Nov. 22.

Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone direction plate. 1,889,737; Nov. 29.

Long, George M., Brighton, Boston, Mass., assignor to Warren Telechron Company, Clock case. Des. 86,172; Feb. 9.

Long, Guy P., et al. (See White, Clarence W., assignor.)

Long, James W., Plainfield, and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., System for collecting and disseminating information. 1,855,841; Apr. 26.

Long, James W., Plainfield, N. J., and R. Steenek, assignors to The Western Union Telephone Company, New York, N. Y. Telegraph transmitting apparatus. 1,881,757; Oct. 11.

Long, Leland E. (See Whitworth, S. and Long.)

Long, Leslie E., Chicago, Ill. Machine for removing heads and feet of fowl. 1,894,394; Dec. 24.

Long, Lloyd A. (See Showers, E. A., and Long.)

Long Manufacturing Company. (See Valpey, Henry H., assignor.)

Long, Millard E., assignor to C. D. Newton, San Antonio, Tex. Film developing machine. 1,840,238; Jan. 5.

Long, Patrick H., San Antonio, Tex. Heat proof pad for dining tables and other causes of tables. 1,852,323; Apr. 5.

Long, Perry J., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Curing castings. 1,860,335; May 24.

Long, Robert B., assignor to Ohmer Fare Register Company, Dayton, Ohio. Cam operated knife construction. 1,841,967; Jan. 19.

Long, Robert B., assignor to Ohmer Fare Register Company, Dayton, Ohio. Counter and resetting mechanism therefor. 1,875,060; Aug. 30.

Long Security Lock Company, The. (See Long, George A., assignor.)

Long, Spencer W. (See Young, F. J., and Long.)

Long, Thomas H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil clamp. 1,855,750; Apr. 26.

Long, Thomas H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Adjustable induction heating device. 1,861,869; June 7.

Long, Thomas H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,861,870; June 7.

Long, W. E., Co. (See Reece, W. W., and Haas, assignors.)

Long, Walter S., Jeffers, Mont. Pump rig. 1,870,180; Aug. 2.

Long, William B. (See Thompson, C. S., and Long.)

Long, William B., Punxsutawney, Pa., and F. C. Arey, Oak Park, Ill., assignors to Arey Cash Long. Combination woodworking machine. 1,852,324; Apr. 5.

Long, William H., Chicago, Ill. Drawing board top. 1,853,065; Apr. 5.

Long, William R. (See McFarland, F. W., and Long.)

Longacre, Frederick V., Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve. 1,852,582; Apr. 5.

Longacre, Frederick V. D., Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism. 1,859,879; May 24.

Longaker, Albert A., Trenton, N. J. Guiding means for parachutes. 1,887,030; Nov. 8.

Longaker, Edgar S., Trappe, Pa. Detachable carrier. 1,857,598; May 10.

Longbotham, Thomas, and M. Bleich, Portland, Oreg. Automatic timing mechanism. 1,875,623; Sept. 6.

Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Mortar and plaster mixer. 1,848,959; Mar. 8.

Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Sealing gland. 1,888,957; Nov. 22.

Longfellow, Anna C., Larchmont, N. Y. Needle threader. 1,853,901; Apr. 12.

Longfellow, Frank H. (See Peaker, D. J., and Longfellow.)

Longford, Victor W., Sydney, Australia. Apparatus for storing, recording, selecting and delivering phonograph records and other articles. 1,840,728; Jan. 12.

Longland, Herbert A., Valentia, Ireland, assignor to The Western Union Telegraph Company, New York, N. Y. Two-channel force-controlled receiving and repeating apparatus for telegraph systems. 1,881,758; Oct. 11.

Longletz, Claudia K., near Dayton, and C. A. Engle, Dayton, Ohio. Combination pillow and coverlet. 1,871,003; Aug. 9.

Longnecker, Fred M. (See Hall, William E., assignor.)

Longnecker, Levi S., Pittsburgh, Pa. Metallurgical furnace. 1,854,321; Apr. 19.

Longo, Antonio and G., Milan, Italy. Rotating wing device for increasing the carrying capacity of aeroplane wings. 1,846,026; Feb. 23.

Longo, Gaetano. (See Longo, Antonio and G.)

Longren, Albin K., Topeka, Kans. Airplane construction. 1,861,219; May 31.

Longstreet, James R., Philadelphia, Pa. Food package. 1,847,345; Mar. 1.

Longtin, William J., assignor to Infant Socks, Inc., Reading, Pa. Striping attachment for knitting machines. 1,874,769; Aug. 30.

Longyear, E. J., Manufacturing Co. (See Anderson, Olof B., assignor.)

Lonier, Marie F., La Grange, Ill. Cushion for infants' toilets. 1,846,217; Feb. 23.

Lonkowski, William, Minoola, N. Y. Book match holder. 1,853,279; Apr. 12.

Lonnquest, Theodore C., U. S. Navy, and C. L. Seward, Jr., Washington, D. C. Apparatus for determination of drift by aircraft. 1,859,569; May 24.

Lonschein, Harry, New York, N. Y. Running board luggage holder. 1,887,653; Nov. 15.

Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft. (See Lischer, Emil, assignor.)

Loonam, Hazel B. (See Loonam, Alva B., assignor.)

Loomis, Allen, assignor to C. G. Conn, Ltd., Elkhart, Ind. Wind musical instrument. 1,855,248; Apr. 26.

Loomis, Allen E., Minneapolis, assignor to American Farm Machinery Company, St. Paul, Minn. Tool lift for cultivators. 1,869,159; July 26.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,843,569; Feb. 2.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,848,570; Mar. 8.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Air gun. 1,848,571; Mar. 8.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,855,402; Apr. 26.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,855,403; Apr. 26.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,855,404; Apr. 26.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,856,395; May 3.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Joining device. 1,856,396; May 3.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company. Firearm. 1,858,862; May 17.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Gun. 1,869,600; Aug. 2.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,886,704; Nov. 8.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,889,099; Nov. 29.

Loomis, Evarts, G., Newark, N. J. Vacuum mixing machine. 1,848,572; Mar. 8.

Loomis, Nathaniel E. (See Howard, F. A., and Loomis, assignors.)

Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Making asphalt. 1,842,105; Jan. 19.

Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Method and apparatus for cracking hydrocarbons. 1,857,759; May 10.

Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for cracking reduced crudes and the like. 1,865,027; June 28.

Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Preparing hydrocarbon products. 1,877,921; Sept. 20.

Loomis, Nathaniel E., and M. R. Meacham, Elizabeth, N. J., assignors to Standard Oil Development Company. Process and apparatus for cracking hydrocarbons. 1,842,104; Jan. 19.

Loomis, Stump & Banks. (See Banks, Henry W., 3d, assignor.)

Loomis, Wesley H., jr., Kansas City, Mo. Currency or like package. 1,844,246; Feb. 9.

Loonam, Alfred C. (See Gleason, G. H., and Loonam.)

Loos, Christopher E., Ben Avon, and O. F. Troeger, Fair Oaks, Pa. Structural steel cutting machine. 1,872,086; Aug. 16.

Loose Leaf Metals Co. (See Dorsch, John S., assignor.)

Loosley, Henry R., East St. Louis, Ill. Beverage dispensing box. 1,846,219; Feb. 23.

Lootens, Everett E., Council Bluffs, Iowa. Direction indicator for vehicles. 1,884,010; Oct. 25.

Lopatin, Max, Freehold, N. J. Dust tube nozzle. 1,852,427; Apr. 5.

Lopez, Ernest M., Ventura, Calif. Drilling apparatus. 1,839,767; Jan. 5.

Lopez, Francesco, assignor to Società Anonima Industria Ammoniaca, Padova, Italy. Catalyzer for gaseous reactions. 1,871,004; Aug. 9.

Lopez, Jesús M., San Antonio, Tex. Attachment for fuel tanks. 1,848,534; Mar. 8.

Lopez, Jose L., Philadelphia, Pa. Bag or similar container. Des. 87,640; Aug. 23.

López, Salvador H., Mexico City, Mexico. Safety apparatus. 1,874,770; Aug. 30.

López, Salvador H., Mexico, Mexico. Compound automatic safety apparatus. 1,884,980; Oct. 25.

Lorand, Eugene J., assignor to The Pennsylvania State College, State College, Pa. Making a concentrated coffee product. 1,866,414; July 5.

Lorand, Eugene J., assignor to The Pennsylvania State College, State College, Pa. Concentrated coffee product and preparing it. 1,866,415; July 5.

Lorang, Henry J., et al. (See Ryan, Edward J., assignor.)

Loranger, Hubert R., Hillsdale, assignor to Automatic Freezer Corporation, Detroit, Mich. Acid eliminator for refrigerating apparatus. 1,860,193; May 24.

Lorant, Rudolf, Vienna, Austria, assignor to The Tabulating Machine Company, Endicott, N. Y. Apparatus for transferring data from perforated records. 1,839,402; Jan. 5.

Lorant, Rudolf, Vienna, Austria, assignor to The Tabulating Machine Company, Endicott, N. Y. Punched card verifying machine. 1,853,215; Apr. 12.
Lorant, Rudolf, Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Straight and complement punch. 1,883,308; Oct. 18.
Lorber, Charles, Louisville, Ky. Channel key plate. 1,858,922; May 17.
Lorber, Charles, Louisville, Ky. Biscuit package. 1,861,124; May 31.
Lorber, Charles, Louisville, Ky. Ice pick. 1,863,801; June 21.
Lorber, Charles, Louisville, Ky. Key case. 1,881,759; Oct. 11.
Lorber, Charles, Louisville, Ky. Tracing chart. 1,887,160; Nov. 8.
Lorber, Charles, Louisville, Ky. Tracing chart. 1,887,161; Nov. 8.
Lorber, Charles, Louisville, Ky. Packaging biscuit dough. 1,887,162; Nov. 8.
Lorber, Charles, Louisville, Ky. Tracing chart. 1,887,163; Nov. 8.
Lord, Charles L., et al. (See Christie, Walter, assignor.)
Lord, Frank L., Newark, N. J. Radio oscillation system. 1,884,011; Oct. 25.
Lord, H. C. (See Whitehouse, Irving P., assignor.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve rectifying system. 1,873,652; Aug. 23.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Stroboscopic apparatus. 1,889,608; Nov. 29.
Lord, Hugh C. (See Diederich, John W., assignor.)
Lord, Hugh C. (See Lord, Thomas, assignor.)
Lord, Hugh C. (See Lord, T., and Whitehouse, assignors.)
Lord, Hugh C., Erie, Pa. Vibration dampening mounting. Re18,457; May 10.
Lord, Hugh C., Erie, Pa. Burner. 1,854,749; Apr. 19.
Lord, Hugh C., Erie, Pa. Universal joint. 1,855,610; Apr. 26.
Lord, Hugh C., Erie, Pa. Joint mechanism. 1,856,647; May 3.
Lord, Hugh C., Erie, Pa. Joint. 1,862,027; June 7.
Lord, Hugh C., Erie, Pa. Automobile engine mounting. 1,862,483; June 7.
Lord, Hugh C., Erie, Pa. Apparatus for cleaning or polishing rods. 1,891,331; Dec. 20.
Lord, Hugh C., assignor to Erie City Iron Works, Erie, Pa. Forming wall plate structures for furnaces. 1,864,600; June 28.
Lord, Hugh C., assignor to Erie City Iron Works, Erie, Pa. Wall plate structure for furnaces. 1,864,601; June 28.
Lord, Hugh C., Erie, Pa. Lever mounting. 1,874,557; Aug. 30.
Lord, Hugh C., and I. P. Whitehouse, Erie, Pa.; said Whitehouse assignor to said Lord. Diaphragm mechanism. 1,885,457; Nov. 1.
Lord, Lyman L., assignor to E. B. Badger & Sons Company, Boston, Mass. Expansion joint and constructing the same. 1,871,219; Aug. 9.
Lord, Thomas, and H. J. Brunk Chicago, Ill., assignors, by mesne assignments, to C. F. Pease Company. Continuous washing and drying machine for blue prints and the like. 1,852,662; Apr. 5.
Lord, Thomas, and Hugh Whitehouse, assignors to Hugh C. Lord. Erie, Pa. Mounting. 1,862,484; June 7.
Lord, William R., Matawan, N. J., assignor to American Can Company, New York, N. Y. Method of and apparatus for making pouring spout can covers. 1,842,465; Jan. 26.
Lorena, Edmond L., Houston, Tex. Metallic packing. 1,882,223; Oct. 11.
Lorentowicz, Henry R., Bloomfield, and H. E. Thompson, assignors of one-third to H. Waldman and C. J. Duveneck, trustee as Waldman & Duveneck, Newark, N. J. Joint. 1,856,648; May 3.
Lorentsen, Laurits L., Vancouver, British Columbia, Canada. Centrifugal mineral separator. 1,886,111; Nov. 1.
Lorentz, John E., Akron, assignor to The India Tire & Rubber Company, Mogadore, Ohio. Tire construction. 1,862,353; Jan. 19.
Lorentz, John E., Akron, assignor to India Tire & Rubber Company, Mogadore, Ohio. Pneumatic tire. 1,881,026; Oct. 4.
Lorentz, Valentin, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Method of and apparatus for loosening tobacco particles and freeing them from dust. 1,863,666; June 21.
Lorentzen, Hans K., New York, N. Y. Display stand. 1,845,951; Feb. 9.
Lorenz, C., Aktiengesellschaft. (See Gerth, Felix, assignor.)
Lorenz, C., Aktiengesellschaft. (See Hahnemann, W., and Herzog, assignors.)
Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter, assignor.)
Lorenz, C., Aktiengesellschaft. (See Herzog, Robert, assignor.)
Lorenz, C., Aktiengesellschaft. (See Schmidt, Karl, assignor.)
Lorenz, C., Aktiengesellschaft. (See Schumacher, Hans, assignor.)
Lorenz, C., Aktiengesellschaft. (See Wever, Franz, assignor.)
Lorenz, C., Aktiengesellschaft. (See Zodtner, Heinrich, assignor.)
Lorenz, Edward H., West Hartford, assignor Hartford-Empire Company, Hartford, Conn. Leer stacker. 1,857,967; May 10.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,878,156; Sept. 20.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming glassware. 1,882,547; Oct. 11.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Suction gathering glassware forming machine. 1,882,548; Oct. 11.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for fabricating glassware. 1,885,739; Nov. 1.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Parison transfer mechanism. 1,885,740; Nov. 1.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for aligning molds of glassware forming machines. 1,888,199; Nov. 15.
Lorenz, Frederick A., jr., assignor to American Steel Foundries, Chicago, Ill. Grate. 1,841,374; Jan. 19.
Lorenz, Frederick A., jr., assignor to American Steel Foundries, Chicago, Ill. Grate. 1,872,174; Aug. 23.
Lorenz, Frederick W. (See Geist, F. N., and Lorenz.)
Lorenz, Herman O. (See Mennicke, Emil M., assignor.)
Lorenz, Karl, and G. Scheuerpflug, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Lubricating pump. 1,845,429; Feb. 16.
Lorenz Knitting Mills. (See Lorenz, Richard, assignor.)
Lorenz, Leo, Muskegon, Mich., assignor to Anaconda Wire and Cable Company, New York, N. Y. Roll for wire drawing machines. 1,879,567; Mar. 4.
Lorenz, Richard, assignor to Lorenz Knitting Mills, Chicago, Ill. Bathing suit. 1,844,888; Feb. 9.
Lorenzen, Christian, Berlin, Germany, assignor, by mesne assignments, to Bendix Aviation Corporation, Chicago, Ill. Method and apparatus for utilizing waste heat. 1,864,448; June 28.
Lorenzen, Christian, Berlin-Treptow, Germany, assignor, by mesne assignments, to Bendix Aviation Corporation, Chicago, Ill. Blade structure for turbines. 1,876,067; Sept. 6.
Lorenzi, Luigi. (See Eliggi, B., and Lorenzi.)
Lorenzo, Oscar, Albany, and J. W. Conway, Mechanicville, assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric switch. 1,848,733; Mar. 8.
Lorgion, Charles J., Oak Park, Ill. Vehicle brake. 1,859,487; Jan. 5.
Lorig, Edwin T., Gary, Ind. Friction coupling. 1,847,882; Mar. 1.
Lorig, Frank W. (See Bletso, B. N., and Lorig.)
Lorillard, P., Company, The. (See Austin, Joseph H., assignor.)
Lorimer, George W., Troy, Ohio, assignor, by mesne assignments, to Black Products Company, Chicago, Ill. Gas generation. 1 852,172; Apr. 5.
Lorimer, George W., Troy, Ohio, assignor, by mesne assignments, to Black Products Company, Chicago, Ill. Target trap. 1,867,578; July 19.
Lorimer, George W., Troy, Ohio, assignor, by mesne assignments, to Black Products Company, Chicago, Ill. Gas generation. 1,871,415; Aug. 9.
Lorimer, John W., Oakland, Calif. Diesel engine speed governor and apparatus to relieve fuel oil pressure accumulation. 1,890,225; Dec. 6.
Lorimer, William H., Cleveland, Ohio. Delustered artificial silk and method of delustering. 1,839,978; Jan. 5.
Lorimer, William H., Charlotte, N. C. Delustered silk and method of delustering. 1,839,979; Jan. 5.
Loring, Caleb. (See Nelson, Charles S., assignor.)
Loring, John A., Owego, N. Y. Ornament. 1,861,604; June 7.
Loring, Thomas W., Lansing, assignor to General Motors Corporation, Detroit, Mich. Trunk rack. 1,854,946; Apr. 19.
Lormor, Henry W. (See Dunsweiler, C. J., and Lormor.)
Lormor, Henry W., assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for lead burning storage battery terminal posts and connecters. 1,841,194; Jan. 12.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Handling device. 1,846,639; Feb. 23.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery handling device. 1,846,526; Feb. 23.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Shut-off valve for filling nozzles. 1,876,988; Sept. 13.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,876,989; Sept. 13.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Vent plug wrench. 1,876,990; Sept. 13.

Lormüller, Bernhard, Zurich, Switzerland. Control of braking appliances of motor driven vehicles. 1,859,708; May 24.

Lorraine, David G., Los Angeles, Calif. Ejector. 1,879,366; Sept. 27.

Los Angeles Knitting Company. (See Gerisch, Richard W., assignor.)

Los Angeles Manufacturing Company. (See Shipley, M. R., and Trout, assignors.)

Los Angeles Soap Company. (See Cooper, Edwin H., assignor.)

Los Angeles Testing Laboratory. (See Howe, Charles S., assignor.)

Los Angeles Wall Bed Company. (See Cocks, Edgar, assignor.)

Losch, Cyrenius, Schuylkill Haven, Pa. Furnace grate and operating mechanism therefor. 1,840,117; Jan. 5.

Losenhausenwerk. (See Spith, Wilhelm, assignor.)

Losey, Hugh F. (See Hutchins, F. E., and Losey.)

Losey, North H., Akron, Ohio. Vacuum cleaner. 1,854,012; Oct. 25.

Losey, North H., Akron, Ohio. Suction cleaner. 1,884,013; Oct. 25.

Loske, Frank, Brooklyn, N. Y. Biplane-parachute. 1,851,712; Mar. 29.

Loss, Frank J., Detroit, Mich. Signal lamp. 1,884,014; Oct. 25.

Lossius, Rolf A., Winnepeg, Manitoba, Canada. Fire escape. 1,852,887; Apr. 5.

Lothar Ludwig G. m. b. H. (See Ludwig, L., and Böhme, assignors.)

Lothrop, Marcus, Berkeley, Calif. Vehicle brake. 1,850,405; Mar. 22.

Lott, Charles I., New York, N. Y. Apparatus for grinding. 1,843,614; Feb. 2.

Lott, Clyde R., Washington, D. C., assignor, by mesne assignments, to Owens Bottle Company. Making glassware. 1,840,458; Jan. 12.

Lotte, Charles H., Massillon, assignor to Byers Machine Company, Ravenna, Ohio. Excavating machine. 1,871,639; Aug. 16.

Lotte, Charles H., assignor to Byers Machine Company, Ravenna, Ohio. Crusher. 1,874,558; Aug. 30.

Lotte, Charles H., assignor to Byers Machine Company, Ravenna, Ohio. Excavating machine. 1,886,032; Nov. 1.

Lotter, Adolph G., assignor to H. C. Miller Co., Milwaukee, Wis. Ring binder. 1,822,510; Oct. 11.

Lotter, Adolph G., assignor, by mesne assignments, to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 1,845,671; Feb. 16.

Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 1,867,164; July 12.

Lotter, Adolph G., assignor to H. C. Miller Company, Milwaukee, Wis. Loose leaf binder. 1,890,688; Dec. 13.

Lotto, Joseph, Astoria, N. Y. Toy cabinet. Des. 87,881; Oct. 4.

Lotton, John, Los Angeles, Calif. Well casing head. 1,865,121; June 28.

Lottrup, Jorgen S., Copenhagen, Denmark. Apparatus for accommodating objects to be delivered or handed out. 1,870,340; Aug. 9.

Lotz, Albert, Berlin-Siemenstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Interrupting electric circuits. 1,872,310; Aug. 16.

Lotz, Alfred F. C., assignor to Ceramic Development Corporation, Chicago, Ill. Clay tempering means and method. 1,879,967; Sept. 27.

Louchet, Edmond, Roubaix, assignor of one-half to Société Ateliers St. Eloi, Tourcoing, France. Gearing arrangement for mangling or wringing machines. 1,860,041; May 24.

Loucks, James F., Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Clamping device for building foundations. 1,881,760; Oct. 11.

Louden Machinery Company, The. (See Bergren, Lloyd R., assignor.)

Louden Machinery Company, The. (See Martin, Charles C., assignor.)

Louden Machinery Company, The. (See Neller, Albert H., assignor.)

Louden Machinery Company. (See Scott, Bertram D., assignor.)

Loudon, Warren P., Springfield, Mass., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,855,718; Apr. 26.

Loudy, Flavius E. (See Isaacson, M., Loudy, and Bussdidier.)

Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake mechanism. 1,846,014; Jan. 19.

Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake mechanism. 1,847,402; Mar. 1.

Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Constructing vehicle wheel brake shoes to eliminate squeaking. 1,855,027; Apr. 19.

Loughead, Malcolm, and W. F. Oliver, assignors to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake system. 1,841,615; Jan. 19.

Lougheed, Overend J. W., Portland, Oreg. Welding clamp. 1,881,761; Oct. 11.

Lougheed, Victor, Washington, D. C. Screw propeller. 1,849,012; Mar. 8.

Lougheed, Victor, Washington, D. C. Porous covering for aircraft. 1,880,207; Oct. 4.

Loughlin, William D. (See Drake, F. H., Hull, and Loughlin.)

Loughman, William F., Barre, Mass. Advertising device. 1,847,403; Mar. 1.

Loughmiller, William E., Flushing, N. Y. Hair cutter. 1,866,475; July 5.

Loughridge, Matthew H., Bogota, N. J. Electric railway system. 1,857,760; May 10.

Loughridge, Matthew H., Bogota, N. J. Composite system of train control. 1,859,591; May 24.

Loughridge, Matthew H., Bogota, N. J. Multiple turntable phonograph. 1,877,625; Sept. 13.

Loughridge, Matthew H., Bogota, N. J. Railway traffic controlling system. 1,877,626; Sept. 13.

Loughridge, Matthew H., Bogota, N. J., and J. S. Holliday, deceased, New York, N. Y., by J. M. Holliday, administratrix, Wilkinsburg, Pa. Combination article of furniture. 1,841,618; Jan. 19.

Lougovoy, Boris N., assignor to Ellis-Foster Company, Montclair, N. J. Enolic acetone derivatives and making same from a mixture of acetone and its enolic form. 1,844,430; Feb. 9.

Lougovoy, Boris N., assignor to Ellis-Foster Company, Montclair, N. J. Enolic acetone derivatives and making same. 1,844,431; Feb. 9.

Lougovoy, Boris N., assignor to Ellis-Foster Company, Montclair, N. J. Lacquer and lacquer enamel containing certain petroleum product. 1,855,681; Apr. 26.

Lougovoy, Boris N., assignor to Ellis-Foster Company, Montclair, N. J. Rigidifying composition. 1,884,015; Oct. 25.

Lougovoy, Boris N., Montclair, N. J., assignor to Chadeloid Company, New York, N. Y. Paint and varnish remover containing ketone condensation solvents. 1,884,765; Oct. 25.

Lougovoy, Boris N., Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Paint and varnish remover containing furfural. 1,884,766; Oct. 25.

Lougovoy, Boris N., Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Paint and varnish remover containing activated acetone. 1,884,767; Oct. 25.

Lougovoy, Boris N., Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Composition for selectively removing top coatings. 1,884,768; Oct. 25.

Lougovoy, Boris N., assignor to Chadeloid Chemical Company, New York, N. Y. Heavy bodied finish remover containing a corrective of anti-penetration. 1,884,769; Oct. 25.

Lougovoy, Boris N., assignor to Chadeloid Chemical Company, New York, N. Y. Finish remover containing methyl acetate. 1,884,770; Oct. 25.

Lougovoy, Boris N., assignor to Chadeloid Chemical Company, New York, N. Y. Composition adapted to remove shellac. 1,884,771; Oct. 25.

Lougovoy, Boris N., assignor to Chadeloid Chemical Company, New York, N. Y. Low wax nonhydrocarbon finish remover. 1,884,772; Oct. 25.

Lougovoy Boris N., assignor to Chadeloid Chemical Company, New York, N. Y. Nonbenzolic finish remover containing chlorinated hydrocarbons. 1,884,773; Oct. 25.

Lougovoy, Boris N., assignor to Chadeloid Chemical Company, New York, N. Y. Finish remover containing chlorinated hydrocarbon wax solvent. 1,884,774; Oct. 25.

Louis, Loui, Monticello, N. Y. Collar support and necktie holder. 1,851,197; Mar. 29.

Louis, Lucienne J., Oakland, Calif. Bed-spring cover. 1,890,689; Dec. 13.

Louis, Terrence G., assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,858,404; May 17.

Louis, Theodore E., Berkeley, Calif. Sign. Des. 88,161; Nov. 1.

Louisville Drying Machinery Co. (See Lissauer, A. W., and Coffey, assignors.)

Louisville Frog, Switch and Signal Co. (See Alfonte, Robert B., assignor.)

Louisville Frog, Switch & Signal Company. (See Dodge, Clinton C., assignor.)

Louisville Frog, Switch & Signal Co. (See Fereday, Frederick T., assignor.)

Louisville Frog, Switch & Signal Company. (See Lamborn, George H., assignor.)

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,852,533; Apr. 5.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,864,842; June 28.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Yoke. 1,874,771; Aug. 30.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,877,335; Sept. 13.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Clutch means for hand brakes. 1,884,016; Oct. 25.

Lourens, Cornelis, assignor to General Norit Company, Limited, Amsterdam, Netherlands. Treating liquids with active carbons. 1,856,571; May 3.

Lourie, Nicholas R., Gloucester, Mass. Artificial tooth and supporting means therefor. 1,882,511; Oct. 11.

Loutrel, Cyrus H., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Lock washer. 1,853,209; Apr. 12.

Louttit, Charles H., Portland, Oreg. Incandescent lamp. 1,858,712; May 17.

Louttit, James E., and E. H. Records, Spokane, Wash. Distillation of coal. 1,884,017; Oct. 25.

Louvier, Alexander and M. L., Port Arthur, Tex. Washing machine. 1,874,144; Sept. 6.

Louvier, Marius L. (See Louvier, Alexander and M. L.)

Love, S. A. (See Hudgins, Patrick L., assignor.)

Love, S. A., administrator, (See Dalrieh, Herbert V.)

Love, Erb L., Jefferson City, Tenn. Coin purse. 1,843,879; Feb. 2.

Love, James B., and H. D. Hume, Garfield, Wash. Pea harvester. 1,881,411; Oct. 4.

Love, Leroy G., Philadelphia, Pa. Safety razor holder and blade. 1,853,867; Apr. 12.

Love, Nelson B., Denver, Colo., assignor to Electric Tamper & Equipment Company, Chicago, Ill. Concrete tamper. 1,874,559; Aug. 30.

Love, Robert A., Indianapolis, Ind., assignor to J. H. Reichart, Muncie, Ind. Bowl and receptacle base. 1,853,132; Apr. 12.

Lovedal, William D., Eastbourne, England. Spring wire clip for newspapers and the like. 1,849,748; Mar. 15.

Lovejoy, Charles R., Jamestown, N. Y. Stove pedestal. Des. 87,697; Aug. 9.

Lovejoy, Frank E., Seattle, Wash. Marine elevator. 1,882,512; Oct. 11.

Lovejoy, Frank H., Rumford, Me. Boom. 1,875,061; Aug. 30.

Lovejoy, Ralph M., Boston, Mass. Adjustable machine tool. 1,859,609; Jan. 5.

Lovekin, Luther D., Villa Nova, Pa. Pressure and temperature valve device for hot water supplies. 1,854,750; Apr. 19.

Lovekin, Luther D., Villa Nova, Pa. Electric heat shut-off for water heaters. 1,875,928; Sept. 6.

Lovekin, Luther D., Villa Nova, Pa. Valve device for connection to a hot water supply. 1,875,929; Sept. 6.

Loveland, Lawrence R., Washington, D. C. Combined cigar cutter and pipe reamer. Des. 86,791; Apr. 19.

Loveland, Lawrence R., Washington, D. C. Receptacle with automatic closure therefor. 1,872,475; Aug. 16.

Loveland, Lawrence R., Washington, D. C. Pencil sharpener. 1,872,476; Aug. 16.

Lovell, George D. (See Lovell, George and G. D.)

Lovell, George and G. D., Stratford, London, England. Panel for the walls and doors of refrigerators and cold storage rooms. 1,877,336; Sept. 13.

Lovell, Henry R., Greenville, Pa. Doorcheck. Des. 87,753; Sept. 13.

Lovell, Joseph W., Detroit, Mich. Lubricant control mechanism. 1,870,416; Aug. 9.

Lovell Manufacturing Company. (See Schuda, Ernest J., assignor.)

Lovell, McDonald, and V. Sussin, Chicago, Ill. Freezing tray for refrigerators. 1,879,868; Sept. 27.

Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener. 1,843,687; Feb. 2.

Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener. 1,871,273; Aug. 9.

Lovell, Wheeler G. (See Boyd, T. A., Lovell, and Campbell.)

Loveluck, Rhys J. (See Bradley, W., Loveluck, and Thomson.)

Loveluck, Rhys J., E. G. Beckett, and J. Thomas, assignors to Scottish Dyes Limited, Grangemouth, Scotland. Manufacture of ortho-amino-halogen-anthraquinones. 1,858,334; May 17.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Machine tool. 1,865,527; July 5.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Machine tool. 1,865,528; July 5.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Lathe with center drive. 1,877,922; Sept. 20.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Lathe having double end drives. 1,881,762; Oct. 11.

Lovren, Carl, Philadelphia, Pa. Hosiery drying form. 1,860,042; May 24.

Loveridge, Thomas M., Grosse Pointe Park, Mich. Tow bar. 1,845,611; Feb. 16.

Lovering, Everett W., assignor to Brown Company, Berlin, N. H. Composition of matter and making the same. 1,880,036; Sept. 27.

Lovett, James A. B., Pittsburgh, Pa., assignor to The Koppers Company. Coke oven apparatus. 1,862,028; June 7.

Lovette, Frank D., Atlanta, Ga. Manicuring implement. 1,856,063; Apr. 19.

Lovik, Ole J. (See Sample, Walter C., assignor.)

Lovrich, Frank A., Damsite, Mo. Curtain and adjustable shade support. 1,862,971; June 14.

Low, Arthur B., Denver, Colo. Piston ring packing. 1,841,195; Jan. 12.

Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Automatic trip mechanism for printing presses. 1,886,281; Nov. 1.

Low, Charles L., Detroit, Mich., assignor to Lisenby Manufacturing Company, Fresno, Calif. Elevator control mechanism for printing presses. 1,886,282; Nov. 1.

Low, Frank S., Plainfield, N. J., assignor to Westvaco Chlorine Products, Inc., New York N. Y. Electrolytic manufacture of chlorine. 1,847,435; Mar. 1.

Low, Frank S., Niagara Falls, assignor to Westvaco Chlorine Products, Inc., New York, N. Y. Manufacture of hydrofluoric acid. 1,868,946; July 26.

Low, John J., assignor to Six Wheel Corporation, Los Angeles, Calif. Running gear. 1,868,173; July 19.

Low Temperature Carbonisation Limited. (See Parker, Charles H., assignor.)

Lowder, Ira J., Charlotte, N. C. Brush for washing automobiles. 1,884,018; Oct. 25.

Lowe, Aubrey L. (See Bradbury, W. S., and Lowe.)

Lowe, Bevan and Company. (See Biggs, Frank, assignor.)

Lowe, Charles B., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Door latch mechanism. 1,853,311; Apr. 12.

Lowe, Cloyd A., Dayton, Ohio. Tire chain. 1,867,978; July 19.

Lowe, Ernest A., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Deluge valve. 1,841,830; Jan. 19.

Lowe, Ernest A., Plainfield, N. J., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic and manual remote control fire extinguishing system. 1,869,201; July 26.

Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Supervising thermal system. 1,843,088; Feb. 2.

Lowe, Ernest A., Plainfield, N. J., and J. R. Hamilton, Yonkers, N. Y., assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Fluid controlled system. 1,869,202; July 26.

Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic thermal valve actuator. 1,869,203; July 26.

Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Deluge valve. 1,869,204; July 26.

Lowe, Herbert J., Galesburg, Ill. Printer's roller. 1,890,858; Dec. 13.

Lowe, Joe, Corporation. (See Mosher, Ira S., assignor.)

Lowe, Melville. (See Koch, H. E., and Lowe.)

Lowe, Ray G., and L. R. Hage, Glendive, Mont. Door hook. 1,852,353; Apr. 5.

Lowe, Sidney A., Buffalo, N. Y. Anti-skid device. 1,854,616; Apr. 19.

Lowe, William, Plainfield, N. J. Scribing tool and T-square for mechanics. 1,877,185; Sept. 13.

Lowe, William H., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Vehicle body construction. 1,876,331; Sept. 6.

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Brake shoe construction. 1,848,428; Mar. 8.

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Valve mechanism. 1,885,121; Nov. 1.

Lowell, Cornelius D. (See Howse, C. L., and Lowell.)

Lowenfeld, Henry, Paris, France. Sheath for more or less plastic sticks. 1,854,800; Apr. 19.

Lowenstein, Harry F., Washington, D. C. Intermittent thermal switch. 1,884,775; Oct. 25.

Lowenstein, Herman, Chicago, Ill. Advertising novelty. 1,841,041; Jan. 12.

Löwenstein, Leo, Berlin-Lichterfelde, assignor to Firm J. D. Riedel Aktiengesellschaft, Berlin-Britz, Germany. Producing hydrogen peroxide. 1,851,961; Mar. 29.

Lowenthal, Mark, Elizabeth, N. J. Meat holding device. 1,871,713; Aug. 16.

Lowenthal, Milton, and J. Kalvin, New York, N. Y. Hat iron. 1,856,921; May 3.

Lower, Claude M., Sturgis, Mich. Egg turning and tray holder. 1,864,449; June 21.

Lower, Harry R. (See Lier, Robert P., and Lower.)

Lower, Melvin S., Barberton, Ohio, assignor to The Sun Rubber Company. Envelope moistener. 1,855,249; Apr. 26.

Lower, Melvin S., assignor to The Sun Rubber Company, Barberton, Ohio. Bathing cap. 1,877,411; Sept. 13.

Lower, Nathan M., Bellevue, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,892,353; Dec. 27.

Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,851,635; Mar. 29.

Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,851,636; Mar. 29.

Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,851,637; Mar. 29.

Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc. New York, N. Y. Stoker. 1,856,573; May 3.

Lower, Nathan M., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company Inc., Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive stoker. 1,839,411; Mar. 22.

Lower, Nathan M., and D. F. Crawford, Pittsburgh, Pa., and E. A. Turner, assignors to The Standard Stoker Company, Incorporated, New York, N. Y. Inside feed stoker. 1,889,411; Nov. 29.

Lower, Nathan M., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,853,692; Apr. 12.

Lower, Nathan M., Baltimore, Md., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,889,410; Nov. 29.

Lower, Nathan M., Baltimore, Md., and E. A. Turner, assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 1,856,572; May 3.

Lowery, Hugh, Alton, assignor to Standard Oil Company, Chicago, Ill. Removal of wax from hydrocarbon oils. 1,886,344; Nov. 1.

Lowery, Lillyman, Los Angeles, Calif. Automobile radiator cap or similar article. Des. 85,947; Jan. 5.

Lowery, Lillyman, Los Angeles, Calif. Automobile radiator cover or similar article. Des. 87,225; June 21.

Löwit, Rudolf, assignor to Deutsche Glukfadenfabrik Rich Kurtz & Dr. Ing. Paul Schwarzkopf G. m. b. H., Berlin-Halensee, Germany. Electric discharge tube. 1,876,991; Sept. 6.

Lowitz, Frank, New York, N. Y. Recording device. 1,890,619; Dec. 13.

Lowkrantz, Gunnar, Binghamton, and L. W. Lessler, Johnson City, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Combined shutter and film moving mechanism. 1,884,657; June 28.

Lowman, Jesse L., Chillicothe, Ohio. Bottle box. 1,884,019; Oct. 25.

Lowney, Walter M., Company. (See Kennedy, Charles H., assignor.)

Lowrie, Robert J., New York, N. Y. Needle. 1,844,364; Feb. 9.

Lowry, Charles A., assignor to De Forest Crosley Radio Company, Limited, Toronto, Ontario, Canada. System of and apparatus for testing radioreceivers. 1,875,624; Sept. 6.

Lowry, Charles D., jr., and C. G. Dryer, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 1,889,835; Dec. 6.

Lowry, Charles D., jr., and C. G. Dryer, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 1,889,836; Dec. 6.

Lowry, John D., assignor of one-half to N. H. Berry, Detroit, Mich. Control apparatus. 1,861,929; June 7.

Lowry, Millard F., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,866,118; July 5.

Lowry, Nelson H., assignor to W. J. Cameron, Chicago, Ill. Radio surgical apparatus. 1,841,968; Jan. 19.

Lowther, Jesse P., Spokane, Wash. Foul air exhauster. 1,891,901; June 27.

Lowther, O. D., et al. (See Pysher, Fred L., assignor.)

Lowther, Wilfred W., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 1,873,171; Sept. 6.

Lowther, William P., Merced, Calif. Automatic lock. 1,867,919; July 19.

Lowy, Alexander, assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Gas liberating charge. 1,842,363; Jan. 19.

Löwy, Heinrich, Vienna, Austria. Exploring ground. 1,864,024; June 21.

Lowy, James, New York, N. Y. Ring guard. 1,885,930; Nov. 1.

Lowy, Samuel, New York, N. Y. Partition. 1,865,868; July 5.

Lox Seal Corporation. (See Behrman, Marcus B., assignor.)

Lozea, Jules L., New York, N. Y. Pair of oxford eyeglasses. Des. 87,073; May 31.

Lozier, Matthew, and S. Herman, Brooklyn, N. Y. Identification X-ray film. 1,840,908; Jan. 12.

Lozier, William Y., Elmira, N. Y. assignor to The Willys-Overland Company, Toledo, Ohio. Machine for manipulating bolt blanks. 1,864,450; June 21.

Luarde, Joseph A., McDonald, Ohio. Adjustable cushion support. 1,886,112; Nov. 1.

Lubberger, Fritz, Berlin-Schmargendorf, and G. Rothert, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Repeater. 1,845,137; Feb. 2.

Lubberger, Fritz, and G. Rothert, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,862,689; June 14.

Lubbers, Lubbert E., assignor to The Stoughton Company, Stoughton, Wis. Fitch wheel. 1,867,670; July 19.

Lubbock, Isaac, and J. R. Joyce, assignors to The Asiatic Petroleum Company Limited, London, England. Providing a leak for liquids. 1,891,313; Dec. 20.

Lübcke, Ernst, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Vapor discharge tube with control grid. 1,850,967; Mar. 22.

Lübecker Maschinenbau-Gesellschaft. (See Lange, Adolf, assignor.)

Lübecker Maschinenbau-Gesellschaft. (See Runte, Hermann, assignor.)

Lubell, Abraham P., New York, N. Y. Garter or the like. 1,871,066; Aug. 9.

Lubelsky, Ben L., Pittsburgh, Pa., assignor to Safety Mining Company, Chicago, Ill. Heating cartridge. 1,882,365; Oct. 11.

Luboshez, Benjamin E., Harrow, England. Photographic apparatus. 1,855,112; Apr. 19.

Lubowsky, Simon J., Jersey City, assignor to Metal & Thermit Corporation, Carteret, N. J. Making magnesium titanate. 1,843,477; Feb. 2.

Lubowsky, Simon J., Jersey City, assignor to Metal & Thermit Corporation, Carteret, N. J. Making titanium white. 1,888,993; Nov. 29.

Lubrication Corporation, The. (See Herlihy, Theodore E., assignor.)

Lubrication Corporation. (See Jonsson, Sven M., assignor.)

Lubrication Corporation, The. (See Parker, Clark W. assignor.)

Lubrication Corporation, The. (See Robbins, Azor D., assignor.)

Lubrication Devices Incorporated. (See Hallerberg, Theodore W., assignor.)

Lubrication Devices Incorporated. (See Kerns, Leonard R., assignor.)

Lubs, Herbert A., and A. L. Fox, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Violet vat dyestuffs. 1,850,758; Mar. 22.

Lubs, Herbert A., and A. L. Fox, assignors to E. I. du Pone de Nemours & Company, Wilmington, Del. Manufacture of 6-chlor-o-toluidine. 1,884,776; Oct. 25.

Lubs, Herbert A., Pennsgrove, N. J., A. L. Fox, Wilmington, Del., and C. C. Smith, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of ores and minerals by flotation. 1,875,062; Aug. 30.

Lucas-Girardville, Paul N., Paris, France. Vessel adapted for use as landing place for air lines crossing the sea. 1,850,247; July 26.

Lucas, Harley, assignor of one-half to C. A. Vance, Elmwood, Ill. Tractor wheel. 1,856,838; May 3.

Lucas, Herman W., Washington, D. C. Reflector. 1,875,884; Sept. 6.

Lucas, Hubert F. (See Pearson, Jarl, assignor.)

Lucas, James H., Dubuque, assignor to Nichols Copper Company, New York, N. Y. Apparatus and process for treating materials such as metal powder. 1,852,583; Apr. 5.

Lucas, John A., Monessen, Pa. Aeroplane swing. 1,866,047; July 5.

Lucas, John W., Los Angeles, Calif. Expansion joint. 1,868,014; July 19.

Lucas, Joseph, Limited. (See Tippen, Frank J., assignor.)

Lucas, Noah E., Norwich, Conn. Underclearer roll. 1,874,560; Aug. 30.

Lucas, Reese H., Washington, D. C. Disposing of dangerous fluids. 1,864,250; June 21.

Lucas, Richard. (See Mittasch, A., Lucas, and Griessbach.)

Lucas, Samuel C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Automatic feeding device. 1,886,033; Nov. 1.

Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 1,858,897; May 17.

Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier. 1,869,017; July 26.

Lucas, William B., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Electromagnetic switch. 1,855,804; Apr. 26.

Lucas, William B., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator indicator. 1,874,872; Sept. 20.

Lucas, William B., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator system. 1,857,209; Nov. 8.

Luce, Byron P., San German, Cuba. Cane mill. 1,855,606; Apr. 26.

Luce, Grafton E., Chicago, Ill., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Aligning device. 1,856,574; May 3.

Luce, Hans, assignor to Rheinische Metallwaaren- und Maschinenfabrik Sommerda Aktiengesellschaft, Sommerda, Germany. Machine for producing slits in type bars. 1,872,992; Aug. 23.

Luce, Homer J. (See Guy, Harry L. assignor.)

Luce, Lena L., Brocton, N. Y. Buckle shield for garters. 1,842,726; Jan. 26.

Luce, Richard W. (See Oestnaes, V. L., and Luce.)

Luce, Richard W. (See Oestnaes, V. L., Luce and Merrill.)

Luce, Richard W., Maplewood, assignor to American Gasaccumulator Company, Elizabeth, N. J. Reflector. 1,848,734; Mar. 8.

Luce, Richard W., Mountainside, assignor to American Gas-Accumulator Company, Elizabeth, N. J. Combined reflector and light for automobiles and the like. 1,884,020; Oct. 25.

Lucey, Patrick J., assignor, by mesne assignments, to American Slicing Machine Company, Chicago, Ill. Feeding mechanism for slicing machines. 1,840,845; Jan. 12.

Lucey, Patrick J., Detroit, Mich., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Article supporting device for slicing machines. 1,844,667; Feb. 9.

Luchs, Friedrich M., Pittsburgh, and F. W. Koebler, Wilkinsburg, assignors to American Atmas Corporation, Pittsburgh, Pa. Breathing apparatus. 1,839,980; Jan. 5.

Lucia, Louis V. (See Wolcott, F. E., and Lucia.)

Lucia, Louis V., Hartford, Conn., assignor, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Thermostatic switch device. 1,857,923; May 10.

Lucia, Louis V., Hartford, assignor to The Beardsley and Wolcott Manufacturing Company, Waterbury, Conn. Toaster. 1,873,898; Aug. 23.

Lucia, Louis V., Waterbury, Conn., assignor to The Beardsley & Wolcott Mfg. Co. Electric switch. 1,877,923; Sept. 20.

Lucian, Arsene N., Philadelphia, Pa. Indirect electron excitation for thermionic vacuum tubes. 1,886,705; Nov. 5.

Lucian Tube Corporation. (See West, Walter J., assignor.)

Lucie, Andrew R., Cleveland, Ohio. Hood lock. 1,890,818; Dec. 13.

Lucien Lelong, Inc. (See Samuels, Rudolph, assignor.)

Lucius, William, Gainesville, Fla. Signal switch for motor cars. 1,885,039; Nov. 1.

Lucka, Louis O., Decatur, and J. W. Easley, Champaign, Ill. Vehicle direction signal. 1,840,239; Jan. 5.

Lucke, Charles E., New York, N. Y., assignor, by mesne assignments, to Fuller Lehigh Company. Process and apparatus for drying coal. 1,843,167; Feb. 2.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer device. 1,890,185; Dec. 6.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer device. 1,890,186; Dec. 6.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater and operating the same. 1,845,301; Feb. 16.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Separator. 1,853,868; Apr. 12.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler and economizer. 1,854,704; Apr. 19.

Lucke, Charles E., New York, N. Y., assignor to The Hoover Company. Suction cleaner. 1,858,370; May 17.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Pulverized coal carbonization process. 1,858,834; May 17.

Lucke, Charles E., New York, N. Y., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace and operating the same. 1,860,366; May 31.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and firing it. 1,863,541; June 14.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Combined condenser and heater. 1,869,973; Aug. 2.

Lucke, Charles E., New York, N. Y., assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace. 1,878,137; Sept. 20.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Flow equalizing means. 1,885,309; Oct. 18.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Waste heat boiler. 1,882,310; Oct. 18.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat treating coal. 1,883,311; Oct. 18.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and economizer. 1,883,312; Oct. 18.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,883,313; Oct. 18.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Longitudinal flow economizer. 1,884,777; Oct. 25.

Lucke, Charles E., New York, N. Y., and J. E. Black, Rumson, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Steam reheater. 1,884,778; Oct. 25.

Lucke, Henry H. (See Wickwire, Arthur M., Jr., assignor.)

Lucke, Henry J. (See Coote, John M., assignor.)

Lucke, Henry J., East Orange, N. J. Safety razor. 1,860,680; May 31.

Lucker, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Manufacturing Company, San Francisco, Calif. Jack. 1,842,183; Jan. 19.

Lucker, Millard B., Benton Harbor, Mich., assignor, by mesne assignments, to The Dayton Malleable Iron Company, Dayton, Ohio. Lifting jack. 1,874,207; June 21.

Lucker, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Mfg. Co., San Francisco, Calif. Lifting jack. 1,854,602; June 26.

Lucker, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Mfg. Co., San Francisco, Calif. Lifting jack. 1,854,603; June 26.

Lucker, Millard B., Benton Harbor, Mich., assignor, by mesne assignments, to The Dayton Malleable Iron Company, Dayton, Ohio. Lifting jack. 1,873,714; Aug. 23.

Lucker, Millard B., Benton Harbor, Mich., assignor, by mesne assignments, to The Dayton Malleable Iron Company, Dayton, Ohio. Lifting jack. 1,874,772; Aug. 30.

Luckey, George P., Lancaster, Pa., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Sensitive altimeter. Re18,681; Dec. 6.

Luckey, George P., Lancaster, Pa., and A. F. Hegenberger, Dayton, Ohio. Pressure indicator. 1,866,660; July 12.

Luckhaus, Ernst, Duisburg, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Cold cementing and drying of leather. 1,881,763; Oct. 11.

Lucks-Osten, Eugene, J. Greenwald, and D. Ostern, Weehawken, N. J. Paper-dispensing machine. 1,860,815; May 31.

Lucks-Osten, Eugene, Weehawken, N. J. Foldable handle. 1,867,358; Nov. 6.

Luco Products Corporation. (See Smidth, L., and Crist, assignors.)

Lucy, Thomas A., assignor to Ingalls Steel Products Company, Birmingham, Ala. Bar joist. 1,878,281; Sept. 20.

Lucy, W. D. C., et al. (See Davis, Donald P., assignor.)

Ludden, James P., Broad Brook, Conn. Golf putting apparatus. 1,856,816; May 3.

Ludeke, Henry A., Garner, Iowa. Cultivator. 1,870,919; Aug. 9.

Ludenia, Werner, and F. Schroeter, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Narrow-slit recorder for high speed telegraphy. 1,875,063; Aug. 30.

Luder, Charles R., Washington, Ind. Reflector support. 1,888,600; Nov. 22.

Ludwig, Hercel J., Pittsville, Wis. Battery support and connection. 1,840,240; Jan. 5.

Ludlam, Captain Charles, et al. (See Hoffmeier, Gottlieb, assignor.)

Ludlam, Earl A., et al. (See Hoffmeier, Gottlieb, assignor.)

Ludlam, Malcolm C., Woodbury, N. J. Sprinkler. 1,862,576; June 14.

Ludlow, Ernest H. (See Cambers, Harry, assignor.)

Ludlow, Israel, Mineola, N. Y., assignor of one-eighth to A. C. Fraser, Ridgefield, Conn., one-eighth to E. V. Myers, East Orange, N. J., one-eighth to L. E. Giles, New York, N. Y., and one-eighth to B. M. Battey, Ascawana, N. Y. Control system for airplanes and the like. 1,869,326; July 26.

Ludlow Valve Manufacturing Company, The. (See Lolley, W. H., Johnson, and Wheeler, assignors.)

Ludowici, Wilhelm, Jockgrim, Pfalz, Germany. Self-discharging wagon. 1,881,203; Oct. 4.

Ludwig, Abraham, Detroit, Mich. Hose reel. 1,881,764; Oct. 11.

Ludwig, Curt. (See Kreher, Max, assignor.)

Ludwig, Fritz, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Machine for sharpening pencils. 1,887,843; Nov. 15.

Ludwig, John E., Detroit, Mich., assignor to Newcomb-David Company, Detroit, Mich. Pneumatic conveyer. 1,842,416; Jan. 26.

Ludwig, John E., assignor to Newcomb-David Co., Inc., Detroit, Mich. Automatic stack damper. 1,862,272; June 7.

Ludwig, Leon R., and J. Slepian, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Commutator device for dynamo-electric machines. 1,884,021; Oct. 25.

Ludwig, Lothar, Dresden, and E. Böhme, Dresden-Leuben, assignors to the Firm Lothar Ludwig G. m. b. H., Dresden, Germany. Camera shutter. 1,886,283; Nov. 1.

Ludwig, Louis, Brooklyn, N. Y. Electric current tester. 1,886,489; Nov. 8.

Ludwig, Louis, Brooklyn, N. Y. Guard for beaters and similar articles. 1,848,735; Mar. 8.

Ludwig, Louis, Brooklyn, N. Y. Electric current interrupter. 1,856,878; May 3.

Ludwig, Louis, Brooklyn, N. Y. Electric sign-socket flasher. 1,861,159; May 31.

Ludwig, Louis, Brooklyn, N. Y. Electric blinker. 1,875,625; Sept. 6.

Ludwig, Louis, Brooklyn, N. Y. Switch mechanism for attachment plugs. 1,876,705; Sept. 13.

Ludwig, Stephen E. (See Simpson, Robert D., assignor.)

Ludwig, Willy. (See Lautenschläger, C. L., Ludwig, and Schaumann.)

Ludwigsen, Matthias, Stockholm, Sweden. Printer's ink and in the process of manufacturing same. 1,860,043; May 24.

Lueck, Roger H. (See McConkie, J. E., and Lueck.)

Luecke, Frank M. G., Nixa, Mo. Cheese manufacture. 1,868,422; July 19.

Luedtke, Max A. G., Weehawken, N. J. Marking, printing, and embossing device. 1,854,105; Apr. 19.

Luellen, Lawrence W., Mountain Lakes, N. J., assignor to Radio Corporation of America. New York N. Y. System of vending radio energy. 1,845,302; Feb. 16.

Luers, John M., Detroit, Mich. Feed collet. 1,842,036; Jan. 19.

Luers, John M., Detroit, Mich. Timing device. 1,842,037; Jan. 19.

Luers, John M., Detroit, Mich. Tool holder and blade protector. 1,863,907; June 21.

Luettgenhaus, Arthur, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works Inc. Production of derivatives of naphthalene. 1,891,168; Dec. 13.

Luff, Arthur S., New Orleans, La. Support. 1,871,625; Aug. 16.

Luff, Henry J., assignor to W. J. Luff, Cleveland Heights, Ohio. Joint for waste pipes and the like. 1,878,945; Sept. 20.

Luff, Henry J. and W. J., Cleveland Heights, Ohio; said H. J. Luff assignor to W. J. Luff. Gas-vent T. 1,866,814; July 12.

Luff, Henry J. and W. J., Cleveland Heights, Ohio; said H. J. Luff assignor to said W. J. Luff. Floor drain. 1,878,946; Sept. 20.

Luff, Henry J. and W. J., Cleveland Heights, Ohio; said H. J. Luff, assignor to said W. J. Huff. Float. 1,878,947; Sept. 20.

Luff, Lawrence W., Shaker Heights, assignor to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Boiler stand. 1,878,787; Sept. 20.

Luff, Lawrence W., Shaker Heights, assignor to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Boiler stand. 1,878,788; Sept. 20.

Luff, Willard J. (See Luff, Henry J. and W. J.)

Luff, Willard J., Cleveland Heights, Ohio. Plumbing system. 1,878,948; Sept. 20.

Luff, Willard J., Cleveland Heights, Ohio. Plumbing system. 1,878,949; Sept. 20.

Lufkin, John L., New York, N. Y. Portable stand. 1,863,763; June 21.

Lufkin, John L., assignor to The Engineering Products Corporation, Inc., New York, N. Y. Eye window. 1,856,979; May 3.

Lufkin Rule Co. (See Buck, Fred, assignor.)

Lufkin Rule Company. (See Thompson, Robert G., assignor.)

Lufkin Rule Co. (See Witchger, Eugene J., assignor.)

Luft, Arthur, Lynbrook, N. Y. Garment. 1,885,527; Nov. 1.

Luft, Oscar v. d., Mount Lebanon, and C. J. Schwindt, Pittsburgh, Pa. Granular organic material. 1,891,891; Dec. 20.

Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung. (See Besch, Ernst, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung. (See Lehmann, Ernst, A., assignor.)

Luftschiffbau Zeppelin G. m. b. H. (See Dürr, Ludwig, assignor.)

Lugibihl, Elias, Norwood, Ohio. Mortising machine and support therefor. 1,865,576; July 5.

Luhman, Richard C., Chicago, Ill. Interchangeable element electric illuminating bulb. 1,844,097; Feb. 9.

Luhrs, Otto, assignor of one-half to Zellstoffabrik, Waldhof, Mannheim-Waldhof, Germany. Production of alcohol free from fusel oil. 1,847,968; Mar. 1.

Luisa-Vissat, Anthony, Bridgeville, Pa. Tie-plate, rail, and rail anchor. 1,881,765; Oct. 11.

Luitwieler, Edward B., Malden, assignor to American Stay Company, East Boston, Mass. Piping and the like. 1,843,087; Jan. 26.

Lukas, Julia, assignor to Moss-Still, Inc., New York, N. Y. Textile fabric. Des. 88,660; Dec. 13.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,162; Nov. 1.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,163; Nov. 1.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,164; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,236; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,237; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,238; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,239; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,240; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,241; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,242; Nov. 8.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,304; Nov. 15.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,357; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,358; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,373; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,374; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,375; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,376; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,377; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,378; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,379; Nov. 22.

Lukas, Julia, New York, N. Y. Textile fabric or the like. Des. 88,564; Dec. 6.

Lukas, Julia, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,803; Dec. 27.

Lukas, Julia, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,563; Dec. 6.

Lukas, Julia, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,565; Dec. 6.

Luke, Irene M., Irvington-on-Hudson, N. Y. Condiment holder set. Des. 86,090; Jan. 26.

Luke, Ireue M., Irvington-on-Hudson, N. Y. Combined set of condiment containers and holder therefor. Des. 86,729; Apr. 12.

Lukens, Hiram S., assignor to Solidon Products, Inc., Philadelphia, Pa. Magnesium oxide mixtures and making the same. 1,881,283; Oct. 4.

Lukens, Randolph E., Syracuse, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 87,037; May 24.

Lukens, Randolph E., Syracuse, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 87,668; Aug. 30.

Lukenweld, Inc. (See Chapman, Everett, assignor.)

Lukins, Charles F. (See Head, J. E., and Lukins.)

Lukomske, Paul M., Fairfield, Conn. Sectional boiler. 1,889,412; Nov. 29.

Luks, Blase and J. G., Cleveland, Ohio. Auxiliary air valve. 1,851,438; Mar. 29.

Luks, Joseph G. (See Luks, Blase and J. G.)

Luland, Webster H., Newark, N. J., assignor to Defiance Manufacturing Corporation, Orange, N. J. Check-writing machine. 1,868,015; July 19.

Luland, Webster H., Newark, N. J., assignor to Defiance Manufacturing Corporation. Check writer. 1,878,789; Sept. 20.

Lullau, Ernst, Buffalo, N. Y. Hoist or transfer mechanism. 1,879,815; Sept. 27.

Lüling, Friedrich W., Volmarstein-on-the-Ruhr, Germany. Padlock. Des. 88,305; Nov. 15.

Lulofs, Warner, Amsterdam, Netherlands, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. 1,868,329; July 19.

Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 88,804; Dec. 27.

Lumbers, James H., et al., trustee. (See Jackson, Maunsell B., assignor.)

Lumiere, Louis, Lyon, France. Mounting for acoustical diaphragms. 1,845,506; Feb. 16.

Luminator Inc. (See Hoffman, Wolfgang, assignor.)

Luminous Tube Lighting Corporation. (See Jacobsen, Albert E., assignor.)

Lumley, Harry H. (See Williams, W. D., Czemba, Wilson, and Lumley.)

Lümmen, Hans, assignor to Motorenfabrik Deutz Aktiengesellschaft, Cologne-Deutz-on-the-Rhine, Germany. Cooled nozzle for fuel valves in internal combustion engines. 1,879,985; Sept. 27.

Lummus Company, The. (See Coubrough, George B., assignor.)

Lummus Company, The. (See Collins, Raymond R., assignor.)

Lummus Cotton Gin Company. (See Campbell, Ernest F., assignor.)

Lun, Rowland R., Lewisburg, Tenn. Dam construction. 1,841,747; Jan. 19.

Lunati, Peter J., Memphis, Tenn. Automobile servicing lift. 1,841,900; Jan. 19.

Lunati, Peter J., Memphis, Tenn. Automobile servicing lift. 1,870,128; Aug. 2.

Lunati, Peter J., Memphis, Tenn. Vehicle lift. 1,884,022; Oct. 25.

Lund, Arne, Detroit, Mich. Wire stripping tool. 1,857,731; May 10.

Lund, Arthur D., Minneapolis, Minn., assignor to Alcet Electro-Products Corporation, New York, N. Y. Grid casting machine. 1,843,774; Feb. 2.

Lund, Arthur D., Minneapolis, Minn., assignor to Alcet Electro-Products Corporation, New York, N. Y. Mold treating mechanism for grid casting machines. 1,843,775; Feb. 2.

Lund, Arthur D., Minneapolis, Minn., assignor to Alcet Electro-Products Corporation, New York, N. Y. Metal feeding mechanism for grid casting machines. 1,843,776; Feb. 2.

Lund, Arthur D., Minneapolis, Minn., assignor to Alcet Electro-Products Corporation, New York, N. Y. Conveyer system for grid casting machines. 1,843,777; Feb. 2.

Lund, Einar, Notre-Dame de Briancon, assignor to Societe des Electrodes de la Savoie, Paris, France. Electric flexible conductor. 1,878,790; Sept. 20.

Lund, James K., assignor to Dole Valve Company, Chicago, Ill. Mixing valve. 1,858,454; May 17.

Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 1,841,448; Jan. 19.

Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,845,303; Feb. 16.

Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Discharge mechanism for nail-distributors. 1,851,980; Apr. 5.

Lund, William J. (See Billette, L. P., and Lund.)

Lund, William J., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Stiffener for boots and shoes and making the stiffener. 1,852,018; Apr. 5.

Lundberg, John R., Minneapolis, Minn. Ice cutter for windshields. 1,864,208; June 21.

Lundberg, Oscar H., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Liquid filter. 1,849,582; Mar. 15.

Lundborg, Gustav L., and R. S. Israel Muskegon, assignors to Continental Motors Corporation, Detroit, Mich. Method and apparatus for shipping engines. 1,852,173; Apr. 5.

Lundelius & Eccleston Motors Corporation. (See Lundelius, Oscar F., assignor.)

Lundelius, Eccleston Motors Corporation. (See Lundelius, O. F., and Dillon.)

Lundelius, Oscar F., Los Angeles, Calif., assignor to Lundelius & Eccleston Motors Corporation, Las Vegas, Nev. Spring suspension system. 1,845,162; Feb. 16.

Lundelius, Oscar F., and J. R. Dillon, Los Angeles, Calif., assignors to Lundelius, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Furnace wall structure. 1,857,561; May 10.

Lundgren, Eric. (See Frisch, M., and Lundgren.)

Lundgren, Jacob, assignor to Tinius Olsen Testing Company, Philadelphia, Pa. Method of and apparatus for balancing rotatable bodies. 1,860,257; May 24.

Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Device for calculating radial forces. 1,881,204; Oct. 4.

Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Apparatus for determining balances. 1,881,205; Oct. 4.

Lundgren, Ludvig L., Youngstown, Ohio. Air mail exchange device. 1,856,490; May 3.

Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loose reed loom. 1,868,862; June 28.

Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up for looms. 1,872,993; Aug. 23.

Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Knock-off mechanism for looms. 1,872,994; Aug. 23.

Lundie Engineering Corporation, The. (See Armstrong, Levi B., assignor.)

Lundin, Trued B. (See Litty, J. R., and Lundin.)

Lundius, Alton, Jersey City, and O. Dietrichson, South Orange, N. J. Safety cut-off device for gas burners. 1,861,766; Oct. 11.

Lundquist, Gust, Northwood, N. Dak. Quack grass machine. 1,841,659; Jan. 19.

Lundquist, Hans, Chicago, Ill., assignor to United States Specialty Corporation. Liquid level indicator. 1,854,266; Apr. 19.

Lundstrom, Gustaf, St. Paul, Minn. Combination chair and stepladder. 1,887,492; Nov. 15.

Lundy, Beverly A., Larchmont, N. Y. Tube testing device. 1,867,015; July 12.

Lundy, Edwin K., Hubbard Woods, assignor to Curtis Lighting, Inc., Chicago, Ill. Illuminating device. 1,881,767; Oct. 11.

Lundy, Henry M., Spokane, Wash. Grab device. 1,857,110; May 3.

Lundy, Wilson T., and W. Drachenberg, Freeport, Tex. Mixing machine. 1,878,158; Sept. 20.

Lungren, Arthur N. (See Wahl, J. E., Gronemann, and Lungren.)

Lünzen, Robert, Erkrath, near Dusseldorf, Germany. Core. 1,864,451; June 21.

Lungstras, Robert, St. Louis, Mo. Manufacturing relatively noninflammable cleaning fluids. 1,844,290; Feb. 9.

Lungstras Dyeing and Cleaning Company. (See Lungstras, Paul, assignor.)

Lungstras, Paul, Clayton, assignor to Lungstras Dyeing and Cleaning Company, St. Louis, Mo. Scrubber. 1,869,758; Aug. 2.

Lunken, Edmund H., Hartsdale, N. Y. Window construction. 1,845,304; Feb. 16.

Lunkenheimer Company, The. (See MacGregor, Halbert F., assignor.)

Lunow, Arthur A., Silver Lake, Minn. Cup mouthpiece for musical wind instruments. 1,842,681; Jan. 26.

Lunsford, James A., Pecos, Tex. Bit for deep well drilling. 1,858,744; May 17.

Lunsford, Louis, Muskegon, assignor to Lunsford Manufacturing Company, Muskegon, Mich. Windshield wiper. 1,870,369; Aug. 9.

Lunsford Manufacturing Company. (See Lunsford, Louis, assignor.)

Lunt, Gordon R., assignor to Pittsburgh-Des Moines Steel Company, Des Moines, Iowa. Apparatus for wrapping cable. 1,890,739; Dec. 6.

Lunz, Joseph E. (See Heinz, Fred J., assignor.)

Lupe, Inc. (See Friedman, William, assignor.)

Lupien, Henry J. (See Gay, Alfred F., assignor.)

Luppes, Peter, Brooklyn, N. Y. Drain stop valve. 1,857,054; May 3.

Lupton, Elmer H., Baltimore, assignor to The Bartgis Brothers Company, Ilchester, Md. Skid. 1,842,617; Jan. 26.

Lupton's, David, Sons Company. (See Ammen, William W., assignor.)

Lupton's, David, Sons Company. (See Brogden, Joah, assignor.)

Lupton's, David, Sons Company. (See Ferguson, Frank C., assignor.)

Lupton's, David, Sons Company (See Sheard, Joseph H., assignor.)

Lupton's, David, Sons Company. (See Walton, Howard T., assignor.)

Lurcott, Winfred N., Elizabeth, N. J. Draft regulating apparatus for furnaces. 1,890,296; Dec. 6.

Lurie, Joseph M. (See Binns, F. W., and Lurie.)

Lurie, Joseph M., Brookline, assignor, by mesne assignments, to Arden Box Toe Company, Watertown, Mass. Shoe stiffener manufacture. 1,886,345; Nov. 1.

Lurrain, Nathaniel M. (See Landwehr, R. F., and Lurrain.)

Lurry, Abner J., New Orleans, La. Tank cleaner. 1,843,036; Jan. 26.

Lüscher, Emil, Basel, assignor to the Firm: Lonza Elektrizitätswerke und Chemische Fabriken, Aktiengesellschaft, Gampel and Basel, Switzerland. Nitrophosphates. 1,871,895; Aug. 16.

Lüscher, Emil, assignor to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland. Preparation of double salts of calcium nitrate. 1,889,863; Dec. 6.

Lush, Ernest J., London, England. Purification of gases. 1,882,289; Oct. 11.

Luster, Eric W., Westfield, N. J., assignor to Standard Oil Development Company. Distilling oil. 1,843,570; Feb. 2.

Luster, Eric W., Westfield, N. J., assignor to Standard Oil Development Company. Operating cracking coil installations. 1,870,855; Aug. 9.

Lustgarten, Bernard, New York, N. Y. Securing tapes to garments. 1,863,725; June 21.

Lustig, Herman. (See Weinstein, Morris, assignor.)

Lustrolite, Inc. (See Clark, Edward M., assignor.)

Lute, Carl, assignor to Camel Company, Chicago, Ill. Car door elevating means. 1,881,768; Oct. 11.

Lute, Carl, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Car door structure. 1,846,036; Feb. 23.

Lute, Carl, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Door mechanism. 1,879,369; Sept. 27.

Lutes, Arthur M., Kansas City, assignor of one-half to A. C. Flack, Fredonia, Kans. Hair clipper. 1,839,924; Jan. 5.

Lutes, Simpson, Louisville, Ky. Power shovel. 1,885,741; Nov. 1.

Luth & Rosens Elektriska Aktiegbolag. (See Uggla, Wilhelm R., assignor.)

Luthe, Julius K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., manually operable control for automatic storage heaters. 1,854,207; Apr. 19.

Luther, John B., Grass Valley, Calif. Electric switch. 1,886,284; Nov. 1.

Luther, Martin. (See Beller, H., and Luther.)

Luther, Martin. (See Franzen, H., and Luther.)

Luther, Martin. (See Held, R., and Luther.)

Luther, Martin, and H. Klein, Mannheim, Germany. Oxidation of liquid hydrocarbons. 1,864,079; June 21.

Luther, Martin, Mannheim, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization products of diolefines. 1,860,681; May 31.

Luther, Martin, Mannheim, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Products of latex character and producing the same. 1,864,078; June 21.

Luther, Martin, and H. Klein, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic oxidation of organic compounds. 1,872,774; Aug. 23.

Luther, Martin, Mannheim, and W. Flemming, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Oxidation of aliphatic hydrocarbons of high molecular weight. 1,874,222; Aug. 30.

Luther, Martin, Mannheim, and R. Field, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of plastic masses. 1,884,023; Oct. 25.

Luther, Martin, Mannheim, and R. Field, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of plastic masses. 1,884,024; Oct. 25.

Luther, Martin, Mannheim, and M. Müller-Cunradi Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Recovery of oils of high boiling point. 1,889,926; Dec. 6.

Lutby, Max. (See Livingston, J. W., and Lutby.)

Lütolf, Otto, St. Gallen, Switzerland. Stitching of folded sheets into bound volumes. 1,856,346; May 3.

Lutomirski, Karel, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 1,866,261; July 5.

Lutton, George E., Kalispell, Mont. Automatic rifle. 1,856,113; Nov. 1.

Lutsky, Bernard, New York, N. Y. Valve fitting for plumbing fixtures. 1,852,123; Apr. 5.

Lutter, Clemens. (See Schranz, K., and Lutter.)

Luttmann, Joseph, Jr., Milwaukee, assignor to The Mandel-Drucker Company, Norwood, Ohio. Traveling case. 1,891,025; Dec. 13.

Lutton, William H., Company. (See Pratt, Henry W., assignor.)

Luttrell, James G., assignor to McCormick & Co., Incorporated, Baltimore, Md. Counter service teapot. Des. 87,586; Aug. 16.

Lüttringhaus, Arthur Mannheim, H. Neresheimer, Ludwigshafen-on-the-Rhine, Heinrich Hörlein, George Boehner, Edingen-on-the-Neckar, and Wilhelm Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of anthraquinone and derivatives thereof. 1,890,040; Luttropp, Conrad, assignor of one-half to A. Lindahl, Stockholm, Sweden. Calculating machine. 1,889,023; Nov. 29.

Lutz, Anton, Stuttgart, Germany. Gas meter. 1,847,618; Mar. 1.

Lutz, Frederick W. (See Briechle, A., Lutz, and Rattray.)

Lutz, Frederick W., Floral Park, and A. Briechle, Brooklyn, assignors to Fairchild Aerial Camera Corporation, New York, N. Y. Camera mechanism. 1,863,573; June 21.

Lutz, Friedrich. (See Thoboroe, C., and Lutz.)

Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Article positioning device for sewing machines. 1,854,851; Apr. 19.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Chain cutter for sewing machines. 1,855,301; Apr. 26.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Looper operating mechanism for sewing machines. 1,861,540; June 7.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Feeding mechanism for sewing machines. 1,864,452; June 21.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Feeding mechanism for sewing machines. 1,864,453; June 21.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Filled bag closing machine. 1,884,025; Oct. 25.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Feeding mechanism for sewing machines. 1,884,026; Oct. 25.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik G. m. b. H. Stuttgart, Germany. Ornamental stitch sewing machine. 1,884,027; Oct. 25.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Thread controller for sewing machines. 1,884,028; Oct. 25.

Lutz, George, Rocky River, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Sulphurized cinchona bark extract. 1,867,414; July 12.

Lutz, George A., Cranford, N. J., assignor to National Electric Products Corporation, Pittsburgh, Pa. Making conduit outlets. 1,850,803; Mar. 22.

Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Inc., Dover, Del. Welding. 1,865,529; July 5.

Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Inc., Dover, Del. Lap welding. 1,865,530; July 5.

Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Inc., Dover, Del. Lap-welding. 1,865,531; July 5.

Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Inc., Dover, Del. Welding machine. 1,865,532; July 5.

Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Inc., Dover, Del. Electric welding machine. 1,869,481; Nov. 29.

Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Inc., Dover, Del. Welding apparatus. 1,889,414; Nov. 29.

Lutz, Walter H., Washington, D. C. Swinging landing gear. 1,839,976; Jan. 5.

Lutz, William S., Merchantville, N. J. Gold leaf laying device. 1,858,371; May 17.

Lutzke, William F., assignor to Union Steel Products Company, Albion, Mich. Receptacle. 1,865,533; July 5.

Lux Clock Manufacturing Company. (See Lux, Frederick, assignor.)

Lux Clock Manufacturing Company, The. (See Lux, Paul, assignor.)

Lux, Frederick, assignor to Lux Clock Manufacturing Company, Waterbury, Conn. Combined alarm clock and base therefor. Des. 88,243; Nov. 8.

Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Interval timer. 1,868,241; July 19.

Lux, Heinz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Picture scanning system. 1,852,784; Apr. 5.

Lux, Heinz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany Reversing current impulses. 1,866,573; July 12.

Lux, Leo A., Lakewood, assignor of one-half to H. G. Trummel, Shaker Heights, Ohio. Card dealing machine. 1,847,346; Mar. 1.

Lux, Paul, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Combined clock-case and dial. Des. 88,845; Dec. 27.

Luxmore, William, Chicago, Ill. Internal combustion engine. 1,855,805; Apr. 26.

Luyken, Walter, assignor to Kaiser Wilhelm Institut für Eisenforschung, Dusseldorf, Germany. Magnetic treatment of iron ores. 1,865,869; July 5.

Lyall, Edward S., assignor to Wolseley Motors 1927 Limited, Birmingham, England. Spring drive or coupling for the transmission of power. 1,884,029; Oct. 25.

Lyder, Ernest E. (See Strout, A. L., and Lyder.)

Lyder, Ernest E., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Process and apparatus for manufacturing lamp black. 1,844,327; Feb. 9.

Lyford, Chauncey A., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Stilbene dye and producing the same. 1,878,501; Sept. 20.

Lyford, Chauncey A., East Aurora, assignor to National Aniline & Chemical Company, New York, N. Y. Reduction of organic nitro compounds. 1,878,950; Sept. 20.

Lyford, Elmore B., assignor to Amy, Aceves & King, Inc., New York, N. Y. Apparatus and method for the absorption of sound. 1,878,409; Sept. 20.

Lyford, Frederic E. (See Simpson, Isaac, assignor.)

Lyford, Robert E., Chicago, Ill., assignor to International Harvester Company. Supercharger air cleaner. 1,868,534; July 26.

Lyford, Robert E., Chicago, Ill., assignor to International Harvester Company. Spring pressure contact element. 1,886,205; Nov. 1.

Lyhne, Anker S., deceased; The Bridgeport-City Trust Co., executor, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Lipstick container. 1,849,531; Mar. 15.

Lykken, Henry G., Minneapolis, Minn. Treating fluidal matter. 1,847,317; Mar. 1.

Lyle, Alfred W. (See Bennett, P. H., and Scanlen, assignors.)

Lyle, Frederick W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,843,615; Feb. 2.

Lyle, Frederick W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound reproducing device. 1,849,495; Mar. 15.

Lyles, George D., and J. M., assignors of one-half to said G. D. Lyles and one-half to H. H. Yount, Statesville, N. C. Closure fastener. 1,873,653; Aug. 23.

Lyles, Tesse M. (See Lyles, George D., and J. M.)

Lyles, Thomas B., Terre Haute, Ind. Safety appliance for airplanes. 1,892,556; Dec. 27.

Lyman, Kenneth E., Rockford, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,843,571; Feb. 2.

Lyman, Kenneth E., Rockford, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,852,325; Apr. 5.

Lyman, Kenneth E., Rockford, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,858,335; May 17.

Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Automatic clutch. 1,865,772; July 5.

Lyman, Kenneth E., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,871,458; Aug. 16.

Lyman, Kenneth E., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Spring suspension. 1,872,311; Aug. 16.

Lyman, Kenneth E., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,064; Aug. 30.
Lyman, Kenneth E., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,875,065; Aug. 30.
Lyman, Kenneth E., assignor to Borg-Warner Corporation, Chicago, Ill. Oil cooling means. 1,881,769; Oct. 11.
Lyman, Kenneth E., assignor to Borg-Warner Corporation, Chicago, Ill. Oil cooling means. 1,881,770; Oct. 11.
Lyman, Kenneth E., assignor to Borg-Warner Corporation, Chicago, Ill. Thermostatic control device for oil coolers. 1,881,771; Oct. 11.
Lyman, Kenneth E., and M. W. McConkey, Chicago, Ill., assignors to Bendix Brake Company, South Bend, Ind. Brake operating means. 1,852,174; Apr. 5.
Lynch, Edward M. (See Sievers, F., and Lynch.)
Lynch, Elmer R., Vermilion County, Ind., assignor to Allith-Prouty Company, Danville, Ill. Overhead door construction. 1,886,490; Nov. 8.
Lynch Glass Machine Company. (See Bridges, Edward G., assignor.)
Lynch, Joseph H., Asbury Park, N. J. Laundry assorting apparatus. 1,859,307; May 24.
Lynch, Joseph J. (See Jantzen, F., and Lynch.)
Lynch, Patrick H. (See McKay, J. A., and Lynch.)
Lynch, Samuel. (See Spurgeon, F. R., and Lynch.)
Lynch, Theodore L., Oxnard, Calif. Tubing anchor. 1,869,739; Aug. 2.
Lynch, Theodore L., Huntington Park, and H. L. Rilling, Long Beach, Calif. Inclination indicating device for oil wells. 1,854,208; Apr. 19.
Lynch, Thomas J., assignor to M. C. Brennan, Lowell, Mass. Tank holding one rail truck. 1,875,248; Aug. 30.
Lynch, William H., Long Beach, Calif. Oil can. 1,842,682; Jan. 26.
Lynch, William J., Buffalo, N. Y. Spraying device. 1,867,394; Mar. 1.
Lynchburg Hosiery Mills. (See Cox, Adam M., assignor.)
Lyndon, Alford S., Ann Arbor, assignor of one-half to C. H. Bennett, Plymouth, Mich. Sprinkler. 1,889,257; Nov. 29.
Lyndon, Edward, New York, N. Y. Heat responsive circuit closer. 1,856,715; May 3.
Lyndon, Lamar, Los Angeles, Calif. Inducing electric currents in bodies. 1,844,432; Feb. 9.
Lynds, Fred H., North Attleboro, assignor to Whiting & Davis Company, Plainville, Mass. Mesh machine. 1,888,277; Nov. 22.
Lynz, Toris H., Grandview, Wash. Attachment for potato diggers. 1,848,367; Mar. 8.
Lynn, Ewing K., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake valve device. 1,860,423; May 24.
Lynn, Ewing K., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 1,870,852; Aug. 9.
Lynn, George, Wadsworth, Ohio, assignor to Pittsburgh Plate Glass Company. Cement and making it. 1,857,205; May 10.
Lynn, George, Wadsworth, and E. M. Allen and B. K. Beecher, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Producing hydrogen sulphide. 1,862,900; June 14.
Lynn, Harry E., et al. (See Smith, William A., assignor.)
Lynn, Harry H., Wyoming, and H. J. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Compound alloy plate. 1,888,042; Nov. 15.
Lynn Products Co. (See Johnson, L. E., and Leach, assignors.)
Lyon, Alfred J., Harshmanville, Ohio. Aluminum casting alloy. 1,877,141; Sept. 13.
Lyon, Carlos, assignor to C. S. Lyon & Sons Lumber & Mfg. Co., Decatur, Ill. Window construction. 1,856,104; May 3.
Lyon, Clyde L., Everett, Wash. Radiator supporting hanger. 1,887,031; Nov. 8.
Lyon Cover Company. (See Ellenberger, Clarence M., assignor.)
Lyon Cover Company. (See Lewis, Richard W., assignor.)
Lyon, G. S., & Sons Lumber & Mfg. Co. (See Lyon, Carlos, assignor.)
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for spare automobile tires. Re18,619; Oct. 11.
Lyon, George A., Allenhurst, N. J. Automotive tire cover. Des. 88,359; Nov. 22.
Lyon, George A., Allenhurst, N. J. Cover for spare automobile tires. 1,846,266; Feb. 23.
Lyon, George A., Allenhurst, N. J. Ornamenting rims. 1,858,228; May 10.
Lyon, George A., Allenhurst, N. J. Cover for spare tires for automobiles. 1,875,816; Sept. 6.
Lyon, George A., Allenhurst, N. J. Ornamenting ring for wheel rims. 1,891,192; Dec. 13.
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for spare tires of automobiles. 1,849,013; Mar. 8.
Lyon, George A., Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J. Combination mirror and tire cover. 1,858,315; May 17.
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Tire cover with peripheral stiffening means. 1,871,188; Aug. 9.
Lyon, Gerald, Harlington, Hounslow, C. R. Fairey, Iver, and T. M. Barlow, Wraydene Burnham, England; said Lyon and said Barlow assignors to said Fairey. Cooling system of internal combustion engines. 1,860,258; May 24.
Lyon, Harry, Brockton, Mass. Plane for leather and the like. 1,878,410; Sept. 20.
Lyon, Harry, Holbrook, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Welt tempering machine. 1,848,960; Mar. 8.
Lyon, Harry, Holbrook, assignor to Hamilton-Wade Company, Brockton, Mass. Welt for boots or shoes. 1,864,311; June 21.
Lyon, Incorporated. (See Lyon, George A., assignor.)
Lyon, James B., New York, N. Y. Nail buffer. 1,868,985; July 26.
Lyon, James B., New York, N. Y. Tissue packet. 1,873,610; Aug. 23.
Lyon, Jesse D., Cincinnati, Ohio. Golf ball marking machine or the like. 1,862,858; June 14.
Lyon, Jesse D., Cincinnati, Ohio. Ball marker. 1,871,812; Aug. 16.
Lyon-Magnus Incorporated. (See Leibing, William E., assignor.)
Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
Lyon Metal Products, Incorporated. (See Bales, J. E., and Christenson, assignors.)
Lyon Metal Products, Incorporated. (See Bales, J. E., and O'Connor, assignors.)
Lyon Metal Products, Incorporated. (See O'Connor, John B., assignor.)
Lyon Metal Products, Incorporated. (See Vance, Walter N., assignor.)
Lyon, Percy S., Fort Wayne, Ind., assignor to Cochrane Corporation, Philadelphia, Pa. Deaerating water heater. 1,877,412; Sept. 13.
Lyon, Robert C. (See Zimmerli, A., and Lyon.)
Lyon, Robert H. (See Falkenwalde, O., and Lyon.)
Lyon, Sidney P. (See Laddon, I. M., and Lyon.)
Lyons, Arthur G., Pennside, near Reading, assignor to Reading Hardware Corporation, Reading, Pa. Cylinder lock. 1,855,607; Apr. 26.
Lyons, Arthur G., Pennside, near Reading, and G. N. Mason, Mount Penn, near Reading, assignors to Reading Hardware Corporation, Reading, Pa. Doorlock. 1,855,608; Apr. 26.
Lyons, Benjamin F. (See Robinson, Walter W., assignor.)
Lyons, Charles H., Medina, Wash., assignor to Durable Mat Company, Seattle, Wash. Ship's fender. Re18,672; Nov. 29.
Lyons, Frank L., San Pedro, Calif. Locomotive. 1,849,583; Mar. 15.
Lyons, Garrey E., St. Louis, Mo., and B. J. Anderson, Hammond, Ind., assignor to The Metalcraft Corporation, St. Louis, Mo. Structural toy. 1,849,877; Mar. 15.
Lyons, George H. E., Dayton, Ohio. Switch. 1,863,494; June 14.
Lyons, George H. E., Bronx, N. Y. Clip or binder for paper sheets. 1,874,323; Aug. 30.
Lyons, Grace J., Bronx, assignor, by mesne assignments, to Elasto Ribbon Co., Inc., New York, N. Y. Garment supporter. 1,887,939; Nov. 15.
Lyons, Harry C., Mount Vernon, N. Y. Valve. Re18,347; Feb. 2.
Lyons, Henry N., Okmulgee, Okla., assignor to Doherty Research Company, New York, N. Y. Purifying liquids. 1,854,801; Apr. 19.
Lyons, Hugh, & Company. (See Kratz, Howard L., assignor.)
Lyons, Ira J. (See Buchan, A. G., and Lyons.)
Lyons, James J., New York, N. Y. Shoe. Des. 86,618; Mar. 29.
Lyons Manufacturing Co., The. (See Gregory, Ernest, assignor.)
Lyons, Michael M., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener plate feeding mechanism. 1,850,101; May 17.
Lyons, Richard J., Mundelein, Ill. Golf tee. 1,856,259; May 3.
Lyons, Robert L., Waltham, Mass. Button sewing machine. 1,853,366; Apr. 12.
Lyric Optical Co. (See Gilman, Leonard L., assignor.)
Lysholm, Alf, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Blade system for turbines. Re18,485; May 31.
Lysholm, Alf., assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Elastic fluid turbine plant. 1,888,874; Nov. 22.
Lysholm, Alf., assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Shaft for overhung elastic fluid turbines. 1,891,718; Dec. 20.
Lysholm, Alf, and Gösta L. B. Wahlsten, assignors to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Conducting means for steam in radial flow steam turbines. 1,870,212; Aug. 2.
Lysons, Jay W., New York, N. Y. Fountain brush. 1,889,446; Nov. 29.
Lyster, Herman S., Indianapolis, Ind. Parcel remover for mail boxes. 1,859,269; May 17.
Lytle, Albert J. (See Holmes, Frank A., assignor.)

Lytle, Charles F., Sioux City, Iowa. Art and apparatus for oil well cementing. 1,842,106; Jan. 19.
Lytle, Charles F., Sioux City, Iowa. Art and apparatus for sealing off oil wells. 1,842,107; Jan. 19.
Lytle, Charles F., Sioux City, Iowa. Masonry creviceforming template. 1,850,512; Mar. 22.
Lytle, Harry R., North Sacramento, assignor to Killefer Manufacturing Company, Los Angeles, Calif. Scraper. 1,855,528; Nov. 1.
Lytle, Robert W., assignor to The Formica Insulation Company, Cincinnati, Ohio. Manufacturing silent gears. 1,861,125; May 31.
Lytle, Robert W., assignor to The Formica Insulation Company, Cincinnati, Ohio. Silent gear. 1,891,823; Dec. 20.
Lytle, William D., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,844,093; Feb. 9.
Lytle, William D., New Kensington, Pa., assignor to Duplate Corporation. Making laminated glass. 1,885,272; Nov. 1.
Lytton, Cullen L., East Gastonia, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Traveling fan. 1,882,366; Oct. 11.
M. & B. Manufacturing Co. (See Balze, Paul, assignor.)
M. J. B. Co. (See Bardet, George A. and G. V., assignors.)
M. J. B. Co. (See Burns, Wilford E., assignor.)
M and B Dietetic Laboratories, Inc. (See Otting, Herbert E., assignor.)
M. & S. Carburettor Manufacturing and Finance Corporation (See Manners, W. H., and Barker.)
M S Co. (See Ninnis, Frederick W., assignor.)
Maag-Eckenfelder, Gottfried M., Zurich, Switzerland. Contact pin for electric plugs. 1,864,989; June 28.
Maag Gear-Wheel and Machine Company. (See Lässer, Emil, assignor.)
Maag, Max, Zurich-Seowamenungen, Switzerland, and R. Salomon, Neuilly-sur-Seine, assignors to Societe d'Etude de Machines a Affuter, Paris, France. Manufacture of knives. 1,870,817; Aug. 9.
Maag, Max, Zurich-Seowamenungen, Switzerland, and R. Salomon, Neuilly-sur-Seine, assignors to Société d'Etudes de Machines à Affuter Paris, France. Grinding machine. 1,870,818; Aug. 9.
Maag, Max, Schwamendingen, near Zurich, Switzerland, and R. Salomon, Valdoie near Belfordt, assignors to Societe d'Etudes de Machines a Affuter, Paris, France. Cutting blade. 1,870,819; Aug. 9.
Maag, Oscar L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Electroplating. 1,861,446; June 7.
Maartens, Johannes H. J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Electric discharge tube. 1,852,043; May 17.
Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Expansible pulley. 1,875,385; Sept. 6.
Maas, George H., assignor of one-half to M. J. Gallogly, Milwaukee, Wis. Dose measuring device for liquid dispensing containers. 1,881,772; Oct. 11.
Maas, Julian, et al. (See Freuler, Arthur L., assignor.)
Maas & Waldstein Co. (See Klinkenstein, Gustave, assignor.)
Maass, Arthur K. E., Chicago, Ill. Curling hair. 1,854,050; Apr. 12.
Maass, Ernest C., Great Notch, N. J. Apparatus for and method of feeding sheets. 1,861,605; June 7.
Maass, Louis, Hartford, Conn. Vending machine. 1,860,509; May 31.
Maatschappij, N. V. tot Vervaardiging van Snijmachines volgens Van Berkel's Patent en van Andere werk tuigen. (See van Duyn, Adrianus, assignor.)
Maatschappij tot Exploitatie van Apparaten en Octrooien "Beperkt" Te Groenhage. (See Pellischek, Paul, assignor.)
Mabee, Alexander C., Villa Park, and C. A. Whitsett, Chicago, Ill.; said Whitsett assignor to Bendix Stromberg Carburetor Company, South Bend, Ind., and said Mabee assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,858,355; May 17.
Mabee, Charles R., assignor, by mesne assignments, to C. H. Donaldson, Buffalo, N. Y. Manufacture of livestock feed. 1,884,799; Oct. 25.
Mabey, Arthur R. (See Griggs, H. L., and Mabey.)
Mabey, Arthur R., assignor to The Bristol Company, Waterbury, Conn. Reversible controller unit. 1,841,901; Jan. 19.
Mabey, Charles W., assignor to Mabey Electric and Manufacturing Company, Indianapolis, Ind. Peanut dispensing device. 1,876,352; Sept. 6.
Mabey Electric and Manufacturing Company. (See Mabey, Charles W., assignor.)
Mabie, Bessie. (See Walker, Sherman B., assignor.)
Mabrito, Guido V., Chicago, Ill. Shock absorber. 1,849,041; Mar. 8.
Mabry, Elba K., Oklahoma City, Okla. Tongue scraper. 1,851,396; Mar. 29.
Mac Ad Company. (See MacLachlan, John D., assignor.)
Macadam, John, jr., Cregmere, assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Dyeing machine. 1,857,111; May 3.
Macadie, Donnid, London, England. Impulse sender for use in automatic telephone systems and the like. 1,862,601; June 14.
Macallum, Alexander D., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Odorant for refrigeration. 1,886,034; Nov. 1.
Macallum, James, jr., St. Louis, Mo. Quantity indicating device for liquids. 1,885,263; June 28.
Macallum, James, jr., and E. R. Powell, St. Louis, Mo.; said Powell assignor to said Macallum. Liquid indicating device. 1,868,535; July 26.
Macan, Harry C. (See Yates, C. E., and Macan.)
Macan, Harry C., Rutherford, N. J., assignor to Anaconda Sales Company, New York, N. Y. Reenforced roofing. 1,871,067; Aug. 9.
Macan, Harry C., Rutherford, N. J., assignor to Anaconda Sales Company, New York, N. Y. Roofing material. 1,871,068; Aug. 9.
MacAndrews & Forbes Company. (See Swift, Clement K., assignor.)
Macart, Frederick E., Los Angeles, Calif. Rotary internal combustion engine. 1,856,839; May 3.
MacArthur, Charles J., Glen Ridge, N. J. Web-fed gravure press. 1,855,525; Apr.
MacArthur Concrete Pile Corporation. (See Dealy, John M., assignor.)
MacArthur, William J., assignor of one-half to R. A. Maynard, Los Angeles, Calif. Pump packing. 1,851,395; Mar. 29.
Macartney, John H., San Francisco, Calif., assignor by mesne assignments to Turbo-Mill Company. Grinding. 1,877,517; Sept. 13.
Macauley, Walter B., Oakland, assignor to Yuba Manufacturing Company, San Francisco, Calif. Dredge. 1,878,282; Sept. 20.
Macauley, Walter B., Oakland, assignor to Yuba Manufacturing Company, San Francisco, Calif. Dredge. 1,887,101; Nov. 8.
Macauley, John B., jr. (See Carpentier, M. L., and Macauley, jr.)
MacBeth, Alexander, Providence, R. I. Ash and fire proof cigar and cigarette holder. 1,857,283; May 10.
Macbeth, Colin, Four Oaks, England. Vulcanizer. 1,879,379; Sept. 27.
Macbeth, Colin, Four Oaks, Birmingham, England, assignor to Dunlop Rubber Company Limited, London, England. Machinery for winding a strand such as the thread of elastic india-rubber used in the manufacture of the core of a golf ball. 1,846,342; Feb. 23.
Macbeth, Colin, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Tension device for golf ball winding machines. 1,846,577; Feb. 23.
Macbeth, Colin, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Diameter-stop and thread-break stop motion. 1,866,678; July 5.
Macbeth-Evans Glass Company. (See Blau, Henry H., assignor.)
Macbeth-Evans Glass Company. (See Horn, Alfred F., assignor.)
Macbeth-Evans Glass Company. (See Owen, Raymond V. assignor.)
MacBeth-Evans Glass Company. (See Sloan, Theodore H., assignor.)
Macabee, David E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,842,529; Jan. 26.
Macabee, David E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,867,748; July 19.
MacCain, Lloyd W., Bronx, and E. F. Webb, New York, N. Y., assignor, by mesne assignments, to said Lloyd W. MacCain. Gas detector and signal device. 1,876,706; Sept. 13.
MacCallum, Daniel W., Caseyville, Ill. Boat. 1,889,927; Dec. 6.
MacCamy, Harry J., assignor to Union Iron Works, Spokane, Wash. Ore separator. 1,881,412; Oct. 4.
Maccarone, Fred. (See Gentile, F. T., and Maccarone.)
Maccarone, Fred, and F. T. Gentile, Brooklyn, N. Y. Heel for ladies' shoes. 1,874,773; Aug. 30.
MacCaskie, Thomas M., assignor of one-half to H. Watson, Chicago, Ill. Aeroplane. 1,843,926; Feb. 9.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Floor block and fastener therefor. 1,869,702; Aug. 2.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Butter tub and forming the same. 1,888,355; Nov. 22.
MacChesney, Chester M., and R. H. Norton, assignors to Acme Steel Company, Chicago, Ill. Rotary shearing machine. 1,859,336; May 24.
MacChesney, Chester M., R. H. Norton and J. E. Ott, assignors to Acme Steel Company, Chicago, Ill. Strap stretching device. 1,885,742; Nov. 1.
MacChesney, Chester M., and A. B. Wilson, assignors to Acme Steel Company, Chicago, Ill. Butter tub cover. 1,888,354; Nov. 22.
Macchia, Anthony, New York, N. Y. Fruit press. 1,841,413; Jan. 19.
MacClatchie, John W., doing business as MacClatchie Manufacturing Company. (See Foster, Walter L., assignor.)
MacClatchie, John W. (See Young, J., and Wigle, assignors.)
MacClatchie, John W., Compton, Calif. Valve seat. 1,882,433; Oct. 11.
MacClatchie, John W., Compton, Calif. Piston. 1,882,434; Oct. 11.

MacCollum, William H., Buffalo, N. Y. Windshield thermometer. 1,859,928; May 24.
MacConnell, William. (See Wagner, R. W., and MacConnell.)
MacCormack, John A. (See Parker, A. R., MacCormack, and Pigott.)
MacCoy, Andrew T., Boston, Mass. Printing telegraph. 1,865,264; June 28.
MacCready, William E., assignor to Industrial Sales Company, Houston, Tex. Control apparatus. 1,846,343; Feb. 23.
MacCubbin, Alexander A. (See Zavertnik, J., and MacCubbin.)
MacCutcheon, Alexander M., Shaker Heights, assignor to The Reliance Electric and Engineering Company, Cleveland, Ohio. Brush holder for dynamo electric machines. 1,863,018; June 14.
MacDaniel, J. L., Printing Company, The. (See Egenolf, George J., assignor.)
MacDonald, Alexander S., Sydney, New South Wales, Australia. Holder or block for use in concrete structures. 1,892,311; Dec. 27.
MacDonald, Angus S., Great Neck, N. Y., assignor to Snead & Company, Jersey City, N. J. Art of book-stack illumination. 1,851,916; Mar. 29.
Macdonald, Angus S., New York, N. Y., assignor to Snead & Company, Jersey City, N. J. Library construction. 1,854,158; Apr. 12.
MacDonald, Chester R., Monroe, Mich., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Manufacturing composition roofing. 1,865,579; July 5.
MacDonald, Chester R., Monroe, Mich., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and machine for coating roofing mat. 1,873,209; Aug. 23.
MacDonald, Chester R., Monroe, Mich., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and machine for making thick butt roofing. 1,890,017; Dec. 6.
MacDonald, Etta, Iron Mountain, Mich. Cap. 1,864,251; June 21.
MacDonald, Francis. (See Allen, W. H. MacDonald, and Gale.)
MacDonald, George A., et al. (See Krupp, Fred H., assignor.)
MacDonald, Gerald A. (See Hart, M. S., Anderson, and MacDonald.)
MacDonald, Hugh. (See MacDonald, William and H.)
Macdonald, Ian, Modesto, Calif. Table and seat unit. Des. 87,723; Sept. 6.
MacDonald, James A., assignor to W. Warne, Los Angeles, Calif. Expansion joint. 1,890,260; Dec. 6.
MacDonald, James J., Detroit, Mich. Automobile decking means for freight cars. 1,847,655; Mar. 1.
Macdonald, James W. (See McCarty, F. L., Ernsbarger, and MacDonald.)
Macdonald, Jason H., assignor to C. H. & E. Manufacturing Company, Inc., Milwaukee, Wis. Trenching machine. 1,871,856; Aug. 16.
Macdonald, Jason H., assignor to C. H. & E. Manufacturing Company, Inc., Milwaukee, Wis. Steering apparatus. 1,882,367; Oct. 11.
MacDonald, John S., Long Island City, N. Y. Apparatus for and method of forming a tunnel. 1,866,416; July 5.
MacDonald, John W., Wilkinsburg, Pa. Toy cannon. 1,863,062; June 14.
Macdonald, Lester S., Beverly Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Staple forming and inserting machine. 1,852,019; Apr. 5.
Macdonald, Murdock, Cleveland, Ohio. Ticket dispenser. 1,859,258; Nov. 29.
Macdonald, Robert L., assignor to Emerson-Brantingham Corporation, Rockford, Ill. Electric heater casing. Des. 86,987; Feb. 16.
MacDonald, Waldron S. (See Stein, J. A., and MacDonald.)
Macdonald, William, Russellville, Ark. Insole support. 1,849,630; Mar. 15.
MacDonald, William and H., Inverness, Scotland. Appliances for use in hair waving. 1,846,563; Feb. 23.
MacGeorge, William A., Little Neck, N. Y., assignor to Hazeltine Corporation. Coupling system. 1,845,306; Feb. 16.
MacGeorge, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jeresey City, N. J. Coupling system. 1,857,055; May 3.
MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation. Superheterodyne receiver. 1,881,235; Oct. 4.
MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Wave signaling system. 1,881,284; Oct. 4.
MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Electrical coupling circuit. 1,888,278; Nov. 22.
MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. High-frequency transformer. 1,892,354; Dec. 27.
Macdonald, William J., Watertown, assignor to H. M. Belcher, Newton, Mass. Combined plug and fuse. 1,886,706; Nov. 8.
MacDonald, William T., Douglas, Ariz., assignor to The General Engineering Company, Salt Lake City, Utah. Porous medium for aerating apparatus. 1,873,843; Aug. 23.
Macdonell, Allan G., Philadelphia, Pa. Lifting device for power washers. 1,850,960; Mar. 22.
MacDonell, James A., Lima, Ohio. Combination percussion and rotary drill. 1,863,928; June 21.
MacDougall, Howard C., New York, N. Y. Ambulance bed rest. 1,864,454; June 28.
MacDougall, Hugh C., West New York, assignor to Franklin Baker Company, Hoboken, N. J. Shelling coconuts. 1,860,745; May 31.
MacDougall, Hugh C., West New York, assignor to Franklin Baker Company, New York, N. Y. Nut shelling machine. 1,860,746; May 31.
MacDougall, Robert, Downers Grove, assignor to Beemack Furnace Company, Cicero, Ill. Enameling furnace. 1,857,206; May 10.
MacDowell, Charles H., assignor to Armour Fertilizer Works, Chicago, Ill. Preparation of a fertilizer ingredient. 1,889,125; Nov. 29.
Mace, Frederick M., assignor of one-tenth to R. M. Reeves, Denver, Colo. Collapsible tent frame. 1,853,367; Apr. 12.
MacElhone, Harry, assignor to MacElhone Methods Inc., Binghamton, N. Y. Preparing ice cream servings. 1,888,178; Nov. 15.
MacElhone Methods Inc. (See MacElhone, Harry, assignor.)
Macey Company, The. (See Tobey, Fred W., assignor.)
MacFadden, George A., Quincy, Ill., assignor to Gardner-Denver Company, Denver, Colo. Valve structure for pumps. 1,839,403; Jan. 5.
MacFadden, George A., Quincy, Ill., assignor to Gardner-Denver Company, Denver, Colo. Air compressor. 1,853,368; Apr. 12.
MacFarland, Allis M., Detroit, Mich., assignor to The Reflex Electrical Products Company, Cleveland, Ohio. Welding machine. 1,875,066; Aug. 30.
Macfarlane, Alexander D., Los Angeles, Calif. Engine. 1,852,890; Apr. 5.
Macfarlane, Claude T., Seattle, Wash. Range boiler repair plug. 1,846,489; Feb. 23.
MacFarlane, George F. (See Clocker, A., and MacFarlane.)
MacFarlane, James C. (See Austin, G., J. C., and W. A. MacFarlane.)
MacFarlane, Robert F., Fulham, London, and W. E. Prescott, Willesden, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Collecting and arranging biscuits and the like. 1,871,332; Aug. 9.
MacFarlane, William A. (See Austin, G., J. C. and W. A. MacFarlane.)
Macfarren, Richard A. (See MacFarren, Walter W. and R. A.)
Macfarren, Walter W., and R. A., assignors to W. W. Macfarren, Los Angeles, Calif. Rotary flying shear. 1,849,501; Mar. 15.
Macferran, Mabel. (See Ashbrook, R. B., Macferran, Quanstrom, and Dengler.)
MacGahan, Paul, Geneva, N. J., assignor to Westinghouse Electric & Manufacturing Company. Making chart records. 1,843,572; Feb. 2.
MacGregor, Charles M., Chicago, Ill. Common battery telephone equipment. 1,846,686; Feb. 23.
MacGregor, Halbert P., assignor, by mesne assignments, to The Lunkenheimer Company, Cincinnati, Ohio. Closed end cylindrical rotor valve. 1,861,541; June 7.
Macgregor Instrument Company. (See Klein, Emil, assignor.)
MacGregor & King, Limited. (See MacGregor, Robert, assignor.)
MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguishing apparatus. 1,846,128; Feb. 23.
MacGregor, Robert, assignor to MacGregor & King, Limited, London, England. Ship's hatch cover. 1,849,801; Mar. 15.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Windrow harvester. 1,849,306; Mar. 15.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination harvester-thrasher. 1,877,518; Sept. 13.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Harvester. 1,877,519; Sept. 13.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination harvester-thrasher. 1,877,520; Sept. 13.
Mach, Ludwig. (See Tipecska, G., and Mach.)
Machacek, John J., Weston, assignor of one-half to Joseph Egr, Valparaiso, Nebr. Alarm for incubators or brooders. 1,891,994; Dec. 27.
Machin, George A., Sacramento, Calif. Humidifier for explosive engines. 1,886,565; Nov. 8.
Machlet, George F., Elizabeth, N. J. Synchronizing device. 1,881,773; Oct. 11.
Machlett, Raymond R., New York, assignor to Rainbow Light, Inc., Long Island City, N. Y. Manufacturing luminous tubes and apparatus for carrying them out. 1,874,018; Aug. 30.
Macholda, Joseph E., North Redwood, Minn. Hitch for automobile tractors and the like. 1,871,540; Aug. 16.

Machonis, Peter J., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Closure and gauge structure. 1,864,138; June 21.

Macht, Karl, Ober-Salzbrunn, assignor to Schlesische Spiegelglas Manufactur Carl Heilsch, G. m. b. H., Waldenburg-Altwasser, Germany. Apparatus for forming reenforced glass. 1,859,880; May 24.

Macht, Maurice L. (See Fix, E. L., and Macht.)

MacIndoe, John F., East Falls, Philadelphia, Pa. High pressure grease fitting. 1,855,748; Apr. 26.

MacIndoe, John F., East Falls, Pa. Pressure coupling for lubrication. 1,865,932; July 5.

Macinnis, Clara O., New York, N. Y. Brush or similar toilet article. Des. 88,805; Dec. 27.

MacIntosh, Neil M., assignor of one-half to F. Platau, Detroit, Mich. Antiglare shield for automobiles. 1,842,991; Jan. 26.

Mackenzie, Mackenzie, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connecter. 1,847,122; Mar. 1.

Maclsaac, Alexander, Montreal, Quebec, Canada. Centrifugal separator. 1,882,389; Oct. 11.

Maclsaac, Vernon W., Montreal, Quebec, Canada. Centrifugal machine. 1,882,390; Oct. 11.

Mack, Bernard F., Allentown, Pa. Bobbin protector. 1,857,599; May 10.

Mack, Earl P., Morse, Wis. Animal trap. 1,842,618; Jan. 26.

Mack, Edward L., North Tarrytown, and C. W. Bennett, assignors to Bennett-Mack Corporation, Douglaston, N. Y. Emulsion. 1,888,601; Nov. 22.

Mack, Luther L., South Pasadena, Calif., assignor to U. S. Postal Meter Corporation. Postage meter. 1,878,283; Sept. 20.

Mack Molding Co. (See Borro, Edward F., assignor.)

Mack Molding Co. (See Burke, James F., assignor.)

Mack, Patrick H., Bradford, Pa., assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Pressure flood packer. 1,860,467; May 31.

Mack, Perry E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Internal combustion engine 1,842,530; Jan. 26.

Mack, Rolf, Washington, D. C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Repeat mechanism for typewriters. 1,873,441; Aug. 23.

Mack, Sterling C., Jr., Allentown, Pa., assignor to Julius Kayser & Co., New York, N. Y. Knitting machine. 1,879,758; Sept. 27.

Mack, Walter L., assignor, by mesne assignments, to Air-Way Electric Appliance Corporation, Toledo, Ohio. Apparatus for heating rooms. 1,890,521; Dec. 13.

MacKay, John F., Lancaster, Pa. Incubator. 1,861,746; June 7.

Mackay, Joseph T., Brooklyn, assignor to United Fruit Company, New York, N. Y. Protective wrapper. 1,869,313; July 26.

MacKeever, Harry I., San Francisco, Calif. Brake liner clamp. 1,844,329; Feb. 9.

Mackenzie, Alexander S., assignor to Clayton Gin Compress Company, Houston, Tex. Torque dynamometer. 1,857,688; May 10.

Mackenzie, Alexander S., assignor to Clayton Gin Compress Company, Houston, Tex. Apparatus for baling material 1,881,774; Oct. 11.

MacKenzie, Alexander F., Jamaica Plain, Mass. Skirt marker. 1,853,280; Apr. 12.

Mackenzie, David B., Muscatine, Iowa. Relishing machine. 1,853,441; Apr. 12.

Mackenzie, Donald J., Montreal, Quebec, Canada. Door for motor-cars or like vehicles. 1,855,860; Apr. 26.

MacKenzie, Duncan R., assignor to American Can Company, New York, N. Y. Packaging of gas contained objects. 1,842,456; Jan. 26.

Mackenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,839,238; Jan. 5.

Mackenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,855,405; Apr. 26.

MacKenzie, George W., Beaver, Pa. Robot safety signaling device. Des. 86,679; Apr. 5.

MacKenzie, George W., Beaver, assignor to Correct Measure Company, Rochester, Pa. Electric meter pump. 1,850,081; Mar. 22.

MacKenzie, George W., Beaver, Pa. Robot for signaling devices. 1,864,203; June 21.

Mackenzie, Joseph W., Jackson, Mich. Valve mechanism for internal combustion engines. 1,869,383; Aug. 2.

Mackenzie-Kennedy, Chessborough, J. H., New York, N. Y. Toilet article. 1,873,899; Aug. 23.

Mackenzie, Lewis F., Newark, P. V. Wells, Princeton, and E. G. Dewis, Asbury Park, N. J. Apparatus for testing the physical condition of human beings. 1,857,732; May 10.

MacKenzie, Philip, Oakland, Calif. Automotive transmission. 1,875,386; Sept. 6.

MacKenzie, Philip, San Francisco, assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland, Calif. Flexible metal hose. 1,859,449; May 24.

MacKenzie, Roy R., Huntington Park, Calif. Convertible wheel. 1,859,832; May 24.

Mackenzie, William, jr., Chicago, Ill. Electric iron attachment. 1,862,411; June 7.

Mackert, Anton, Frankfort-on-the-Main, Germany. Regenerating granular active charcoal. 1,843,616; Feb. 2.

Mackert, Anton, Frankfort-on-the-Main, Germany. Reactivation of powdered or fine grained adsorptive carbon. 1,858,745; May 17.

Mackert, Anton, Frankfort-on-the-Main, Germany. Purification of aqueous liquids and particularly of waste water from factories. 1,866,417; July 5.

Mackey, Albert E., Batavia, N. Y. Adjustable loading brace for railway cars. 1,868,638; July 26.

Mackey, Clarence H., and G. W. Wenz, Lancaster, N. Y. Seat. 1,852,465; Apr. 5.

MacKey, Washington O., Djursholm, Sweden. Splash preventing device for motor cars. 1,875,067; Aug. 30.

Mackie, Charles H., assignor of one-half to A. L. Merolle, Brooklyn, N. Y. Detachable shirt collar. 1,861,419; May 31.

Mackie, Charles P. (See Claytor, Edwin E., assignor.)

Mackie, Harold D., Manchester, England. Mascot for use on a motor vehicle. Des. 86,324; Feb. 23.

Mackie, James, and Sons. (See Tierfelder, Werner, assignor.)

Mackie, William, Glasgow, Scotland. Manufacture of shaped metal articles. 1,868,213; July 19.

Mackin, Albert O., Johnstown, Pa. Automatic train line coupler. 1,877,924; Sept. 20.

Mackin, Henry J., Kankakee, Ill. Blind. 1,861,606; June 7.

MacKinnon, George V., Elkins Park, assignor to John B. Stetson Company, Philadelphia, Pa. Reenforced edge for hat brims. 1,848,832; Mar. 8.

MacKinnon, Peter. (See Bennet, W., Farrar, and MacKinnon.)

Mackintosh, George, Brooklyn, N. Y., assignor to The Tablet and Ticket Company, Chicago, Ill. Indicator for offices and the like. 1,849,020; Jan. 12.

Mackintosh, George, Brooklyn, N. Y., assignor to The Tablet and Ticket Company, Chicago, Ill. Indicator board for offices and the like. 1,849,730; Jan. 12.

Mackintosh, William B., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radiator valve. 1,875,352; Sept. 6.

Macklanburg, Louis A., Oklahoma City, Okla. Font of letters and numerals. Des. 87,669; Aug. 30.

Macklin, Frederick C., Croydon, Ky. Toy glider and runway. 1,879,986; Sept. 27.

MacLachlan, John C., Chicago, Ill. Method and apparatus for drying liquids and semiliquid materials. 1,845,163; Feb. 16.

MacLachlan, John C., Chicago, Ill. Distributing head for liquid or semiliquid materials. 1,869,584; Aug. 2.

MacLachlan, John C., assignor, by mesne assignments, to A. P. Hunt, Chicago, Ill. Process and apparatus for dehydrating liquid material. 1,869,703; Aug. 2.

MacLachlin, John D., assignor to Mac-Ad-Co., Kansas City, Mo. Advertising card display device. 1,849,373; Mar. 15.

MacLachlan, John D., assignor to Mac Ad Company, Kansas City, Mo. Card holder for rotary card display devices. 1,863,226; June 14.

MacLachlan, John D., assignor to Mac Ad Company, Kansas City, Mo. Advertising car display device. 1,875,321; Sept. 6.

MacLachlan, John C., assignor to Dee-Hy-Products Company, Chicago, Ill. Spray head. 1,878,588; Sept. 20.

MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)

MacLaurin, John, Ware, Mass. Photographic mount. 1,858,405; May 17.

MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Alarm device for fluid pressure regulators. 1,855,682; Apr. 26.

MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Regulating valve. 1,860,468; May 31.

MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Automatic regulator. 1,861,775; Oct. 11.

MacLean, Allen D., and C. B. Johnson, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Liquid seal device for regulators. 1,865,870; July 5.

MacLean, Edwin H., and J. J. Uphues, assignors to Chicago Fire Brick Company, Chicago, Ill. Air cooled wall construction. 1,847,436; Mar. 1.

MacLean, James M., Oakland, assignor to Calrew Incorporated, San Francisco, Calif. Resilient connection. 1,852,780; Oct. 25.

Maclean, Leonard A., Reading, Mass. Manufacture of card mountings. 1,853,066; Apr. 12.

MacLean, Neil T. Quinn, and P. Duffy, Glasgow, Scotland. Mud guard for motor cars, motor cycles, or other wheeled vehicles. 1,867,518; July 12.

Maclean, Robert, Franklin, Ohio. Surface covering for buildings. 1,862,627; June 14.

Maclean, Robert, assignor to Amalgamated Roofing Company, Chicago, Ill. Roofing. 1,857,463; May 10.

MacLear, Joseph R., administrator. (See MacLear, Walter.)

MacLear, Walter, deceased, Hillside, N. J.; J. R. MacLear, administrator. Boiler tube scraper. 1,859,148; May 17.

MacLeester, William T., Philadelphia, Pa. Manufacture of mono-methyl-para-amino-phenol sulphate. 1,844,926; Feb. 9.

MacLeester, William T., Philadelphia, Pa. Manufacture of monomethyl-para-amino-phenol and its sulphate. 1,882,437; Oct. 11.

MacLellan, Angus D., Owensboro, Ky. Mixer and sifter. 1,862,412; June 7.
Macienman, Frank W., Miami, Ariz. Apparatus for treating liquid with a gas. 1,859,781; May 24.
Macienman, Frank W., Miami, assignor, by mesne assignments, to Matthess Cell Patent Holding Corporation, Gila County, Ariz. Flotation apparatus. 1,847,659; Mar. 1.
MacLennan, John C., Toronto, Ontario, assignor of one-half to C. C. Thompson, Toronto, Canada. Annunciator. 1,849,155; Mar. 15.
Macleod, Allan A., Victoria, British Columbia, Canada. Logging road. 1,888,004; Nov. 15.
MacLeod, Charles, North Easton, Mass. Pattern turning lathe. 1,876,992; Sept. 13.
MacLeod, Daniel T., assignor to Perfex Corporation, Milwaukee, Wis. Cooling system. 1,881,776; Oct. 11.
MacLeod, Malcolm Roosevelt, N. Y. Fountain pen. 1,865,325; June 28.
MacMartin, Frank W. (See Jennings, C. S., and MacMartin.)
MacMartin, James, Albany, N. Y. Railroad tie. 1,850,558; Mar. 22.
Macmeeken, John W., Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Centrifugal pump. 1,857,224; May 10.
MacMillan, Abram, Chicago, Ill. Building construction. 1,851,125; Mar. 29.
MacMillan, Abram, Chicago, Ill. Building construction. 1,851,137; Mar. 29.
MacMillan, Charles W. (See White, W. D., and MacMillan.)
MacMillan, Charles Wight, Cambridge, Mass. Automatic carburetor choke mechanism. 1,887,061; Nov. 8.
MacMillan, Daniel J., Brooklyn, N. Y. Pneumatic dispatch carrier. 1,870,258; Aug. 9.
MacMillan, Frank, Fort Lee, N. J. Ice skate. 1,858,303; May 17.
MacMillan, Howard F. (See Ernst, W., and MacMillan.)
MacMillin, Howard F., assignor to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic press. 1,884,060; Oct. 25.
MacMonagle, William E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for removing fabric material from mills. 1,876,909; Sept. 13.
MacNabb, Vernon C., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving system. 1,890,426; Dec. 6.
MacNair, Walter A. (See Eyring, C. F., Hanson, and MacNair.)
MacNair, Walter A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Studio for acoustic purposes. 1,853,912; Apr. 12.
MacNamee, William H., Yonkers, assignor to Trio Specialty Company Inc., New York, N. Y. Stocking. 1,858,162; May 10.
Macneil, Frederick H., Boston, Mass. Junction box. 1,850,399; Mar. 29.
Macneil, Frederick H., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and inclosing structure therefor. 1,866,364; July 5.
Macneil, Frederick H., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch gear and switch and door locking mechanism. 1,866,365; July 5.
MacNeil, Frederick H., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and racking device therefor. 1,869,856; Aug. 2.
MacNeil, Frederick H., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Inclosed electric switch. 1,885,365; Nov. 1.
MacNeil, Frederick H., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and supporting mechanism therefor. 1,886,346; Nov. 1.
MacNeil, Paul H., Huntington, N. Y. Photo-electric tube. 1,871,626; Aug. 16.
MacNeill, John B. (See Aalborg, C., and MacNeill.)
MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,855,579; Apr. 26.
Macomber, Glen. (See Ferris, Walter J. P., and Macomber.)
Macomber, Lewis E., New York, N. Y., assignor to Milwaukee Chair Company, Milwaukee, Wis. Chair. Des. 86,038; Jan. 19.
Macomber, Lewis E., New York, N. Y., assignor to Milwaukee Chair Company, Milwaukee, Wis. Chair. Des. 86,039; Jan. 19.
Macomber Steel Company, The. (See Gruber, Clarence E., assignor.)
Maconic, Chester A., Chicago, Ill. Type casting machine and matrix therefor. 1,892,156; Dec. 27.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Automobile. Des. 86,465; Mar. 8.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Frame construction. 1,848,895; Mar. 8.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Lubricating system. 1,876,707; Sept. 13.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Crank case construction for engines and the like. 1,876,708; Sept. 13.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Control lever. 1,876,709; Sept. 13.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Closure assembly for vehicle radiators. 1,876,710; Sept. 13.
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Engine mounting. 1,881,777; Oct. 11.
MacPherson, James E., et al. (See Merkel, A., and Halpenny, assignors.)
MacPherson, Ray G., et al. (See Merkel, A., and Halpenny, assignors.)
MacQueen, Donald E. (See Martin, L. F., and MacQueen.)
Macrae, James N., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Ignition mechanism. 1,845,305; Feb. 16.
Macrae, James N., and R. S. Thoresen, Stamford, Conn., assignors to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 1,845,028; Feb. 16.
Macrae, James N., and R. S. Thoresen, Stamford, Conn., assignors to Petroleum Heat and Power Company, New York, N. Y. Oil burning apparatus. 1,862,690; June 14.
Macrae, James N., and C. P. Packard, Stamford, Conn., assignors to Petroleum Heat and Power Company, New York, N. Y. Electric control system for oil burners. 1,877,248; Sept. 13.
Macrae, James N., and C. P. Packard, Stamford, Conn., assignors to Petroleum Heat and Power Company, New York, N. Y. Ignition mechanism for oil burners. 1,887,730; Nov. 15.
Macrae, James N., and C. P. Packard, Stamford, Conn., assignors to Petroleum Heat and Power Company, New York, N. Y. Controlling apparatus for oil burners. 1,888,602; Nov. 22.
Macready, John A., and D. H. Wyatt, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigeration apparatus. 1,847,092; Mar. 1.
Mac-Rob Sales & Mfg. Company. (See Rohwedder, Otto F., assignor.)
Macy, R. H., & Co. (See Atkinson, Jerome T., assignor.)
Macy, R. H., & Co., Inc. (See Freedman, E., Jaekli, and Gangel, assignors.)
Macy, Ishmael W., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Hoisting engine. 1,861,703; June 7.
Madden, Bessa E. (See Gustaveson, Joseph C., assignor.)
Madden, Frank, Earlville, Ill. Corn harvester. 1,854,554; Apr. 19.
Madden, Frank A., Los Angeles, Calif. Beverage dispenser. 1,865,773; July 5.
Madden, Frank A., Salina, Kans. Vending machine. 1,890,062; Dec. 6.
Madden, Harry D., Montclair, N. J., assignor to Westinghouse Lamp Company. Incandescent electric lamp and manufacture. 1,842,184; Jan. 19.
Maddock, Alan J., Wallsend-on-Tyne, England, assignor to General Electric Company. Electric synchronizing system. 1,874,774; Aug. 30.
Maddox, John W., Marion, Md. Cigarette container. 1,884,030; Oct. 25.
Maddox, Joseph A., Atlanta, Ga. Bookbinding. 1,845,612; Feb. 16.
Maddox, William J., Jamestown, N. Y. Abrading roll. 1,883,747; Oct. 18.
Mader, Emil, Prosen, near Elsterwerda, Germany. Demountable wheel rim assembly. 1,849,464; Mar. 15.
Madge, Evelyn W. (See Hayes, C., Madge, and Jennings.)
Madge, Evelyn W. (See Hayes, C., Madge, and Lane.)
Madge, Norman G., Pennsauken, N. J., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Nonmetallic connection. 1,864,080; June 21.
Madigan, Thomas J., assignor of one-half to F. Auerbach, New York, N. Y. Condiment holder or container. 1,891,824; Dec. 20.
Madini, John J., Los Angeles, Calif. Electrode for neon signs. 1,885,529; Nov. 1.
Madison, Charles W., Centuria, Wis. Grapple. 1,878,951; Sept. 20.
Madison-Kipp Corporation. (See Coleman, Thomas E., assignor.)
Madison-Kipp Corporation. (See Hoffman, John R., assignor.)
Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)
Madison-Kipp Corporation. (See Pedersen, Axel, assignor.)
Madison, Richard D., assignor to Buffalo Forge Company, Buffalo, N. Y. Heating device. 1,888,790; Nov. 22.
Madison, Walter G., Ames, Iowa. Adjustable radiator bracket. 1,867,854; July 19.
Madland, Gabriel. (See Tobin, K. J., Madland, and Treptow.)
Madlehner, Jacob, Erie, Pa. Underfeed fire pot. 1,876,310; Sept. 6.
Madsen, Axel. (See Albertson, F. O., and Madsen.)
Madsen, Henry P. (See Brazeau, G. S., and Madsen.)
Madsen, Nels W., Reno, Nev. Ladder jack. 1,859,210; May 17.

Madsen, Niels P., and J. A. G. Jensen, Chicago, assignors of one-third to Louis Flatter, Oak Park, Ill. Window construction. 1,865,774; July 5.

Madsen, Peter, Los Angeles, Calif. Self-aligning stool base. 1,848,183; Mar. 8.

Madsen, Peter, Los Angeles, Calif. Lunch counter stool. 1,862,755; June 14.

Madsen, Peter De, Brookline, Pa. Parachute. 1,867,366; July 12.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Automatic gluing and assembling machine. 1,863,908; June 21.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Weatherproof window construction. 1,869,760; Aug. 2.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Door panel construction. 1,881,778; Oct. 11.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Window jamb, casing, and blind stop construction. 1,881,779; Oct. 11.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Door latch. 1,882,248; Oct. 11.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Spring hung sash construction. 1,859,752; Dec. 6.

Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Closure fastener. 1,859,753; Dec. 6.

Madsen, Sege, Gottenburg, Sweden. Restricting means for composite piston packing rings. 1,856,961; May 3.

Madsen, Sege, Gottenborg, Sweden. Packing ring. 1,859,211; May 17.

Maechtlen, Lawrence G. (See Moyen, J. G., Maechtlen, and Duvall.)

Maenuchen, Karl F., and F. Hümmerich, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Stable preparations of vat dyestuffs and making same. 1,858,632; May 17.

Maenuchen, Hugo. (See Van Damme, A., and Maenner.)

Maertz, John F., et al. (See Strackbein, Conrad, assignor.)

Maestro, Giovanni, New Kensington, Pa. Cheese grating machine. 1,890,091; Dec. 6.

Magarian, Masick C., Chicago, Ill., assignor to Central Scientific Company, Chicago, Ill. 1,849,305; Mar. 15.

Magazine Repeating Razor Company. (See Briggs, Arthur J., assignor.)

Magazine Repeating Razor Company. (See McGirr, Theodore G., assignor.)

Magazine Repeating Razor Company. (See Rodrigues, Octaviano V., assignor.)

Magazine Repeating Razor Company. (See Schick, Jacob, assignor.)

Magdeburger Werkzeugmaschinenfabrik Aktiengesellschaft. (See Ritter, Maite, assignor.)

Magee, Arthur, St. Petersburg, Fla. Lure for use in dog racing or coursing. 1,859,804; Mar. 22.

Magee Carpet Co., The. (See Hoffman, Norman W., assignor.)

Magee Carpet Co., The. (See McCollum, Alfred F., assignor.)

Magee Carpet Co., The. (See McCollum, A. F., and Rush, assignors.)

Magee, Frank, and G. W. Haverbeck, Tarrytown, N. Y. Animal trap. 1,861,312; May 31.

Magee, Frederick W., assignor of one-half to T. W. Baker, London, Ont., Canada. Mouriet's eyeshield. 1,876,463; Sept. 6.

Magee, James M., et al. (See Carney, Daniel E., assignor.)

Magee, Walter V. (See Bruso, B. N., and Magee.)

Maggio, Salvator, Pittsburgh, Pa. Trolley harp and wheel structure. Re18,663; Nov. 22.

Maggio, Salvator, Pittsburgh, Pa. Picture frame structure. 1,851,917; Mar. 29.

Magic City Specialty Company. (See Boone, Charles G., assignor.)

Magic Way Gas Heating Appliances, Inc. (See Metcalf, John J., assignor.)

Magill, John, Beverly, Mass., assignor to The Taylor Atkins Paper Company, Burnside, Conn. Machine for banding sheets. 1,842,185; Jan. 19.

Magill, Paul La F., Niagara Falls, N. Y., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Treating hydrocarbons. 1,890,881; Dec. 13.

Magill-Weinsheimer Company. (See Splel, Robert E., assignor.)

Magis, Auguste, and André Huet, Paris, France, assignors to The Superheater Company, New York, N. Y. Boiler. 1,881,206; Oct. 4.

Magis, Auguste, and A. Huet, Paris, France, assignors to The Superheater Company, New York, N. Y. Fire box for locomotives or other steam vehicles. 1,859,754; Dec. 6.

Magnano Corporation. (See Magnano, Sebastiano, assignor.)

Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Abrading apparatus. 1,878,791; Sept. 20.

Magnavox Company, The. (See Dempster, B., and Bruehl, assignors.)

Magnavox Company, The. (See Metcalf, Herbert E., assignor.)

Magnavox Company, The. (See Pridham, Edwin S., assignor.)

Magnavox Company, The. (See Trefry, Laurence D., assignor.)

Magner, Philip G., assignor to Minneapolis-Honeywell Regulator Company, Wabush, Ind. Burner control. 1,875,385; Sept. 6.

Magnesium Development Corporation. (See Beck, A., and Dibelka, assignors.)

Magnesium Development Corporation. (See Pistor G., Suchy, Staib, and Moschel, assignors.)

Magnesium Development Corporation. (See Player, Edward, assignor.)

Magnesium Development Corporation. (See Staib, Karl, assignor.)

Magnesium Development Corporation. (See Wood, Robert A., assignor.)

Magnesium Development Corporation. (See Wood, T., and Frary, assignors.)

Magnetic Gauge Company, The. (See Hickok, Robert D., assignor.)

Magnetic Gauge Company, The. (See Schuster, Paul B., assignor.)

Magnolia Petroleum Company. (See Kilchenstein, Joseph L., assignor.)

Magnolia Petroleum Company. (See Rather, James B., assignor.)

Magnus, George A., Dayton, Ohio. Daylight developing apparatus. 1,884,781; Oct. 25.

Magnus, Haus, Merzhausen, Breisgau, Germany. Apparatus for vacuum dehydration of hydrocarbons. 1,840,496; Mar. 15.

Magnus, John H., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,845,164; Feb. 16.

Magoun, George L. (See Hand, C. N., and Magoun.)

Magoun, George L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization accelerator. 1,865,265; June 28.

Magoun, George L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Bath for metal pickling processes. 1,868,214; July 19.

Magruder, George M., Blackville, S. C. Pole or mast construction. 1,886,745; Nov. 1.

Maguire, Charles L., assignor of one-half to E. Egli, Yreka, Calif. Combination faucet and drinking fountain. 1,840,631; Jan. 12.

Maguire, Charles L., assignor of one-half to E. G. Schneider, Yreka, Calif. Wrench. 1,861,060; May 31.

Mah, Frank, Vancouver, British Columbia, Canada. Fountain writing instrument. 1,857,027; May 3.

Mahaffy, Rodmond S. (See Gibson, Edward, jr., assignor.)

Mahan, Alton, Rydal, Ga. Tractor plow. 1,888,876; Nov. 22.

Mahan, James T., Akron, Ohio. Stereotype casting machine. 1,847,621; Mar. 1.

Mahan, Joseph R., assignor to The National Supply Company, Toledo, Ohio. Pump manifold. 1,858,346; May 17.

Mahan, Joseph R., assignor to The National Supply Company, Toledo, Ohio. Valve. 1,861,420; May 31.

Mahana, Charles G., and C. Gross, Three Rivers, assignors to Fairbanks, Morse & Co., Chicago, Ill. Engine fuel and oil control means. 1,862,155; June 7.

Mahaney, Russell, Wilkinsburg, and W. Brazelton, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Composite molding mica. 1,878,952; Sept. 20.

Mahato, Boodhun B., Overport, Durban, Union of South Africa. Tellurian. 1,860,933; May 31.

Maher, Bernard S., Oakland, Calif. Engine drive. 1,848,638; Mar. 8.

Maher, Bernard S., Oakland, Calif. Engine. 1,866,774; July 12.

Maher, Charles, Portland, Oreg. Reservoir brush. 1,859,402; May 24.

Maher, George, Braintree, Mass. Automatic station. 1,841,542; Jan. 19.

Maher, James M., Fremont, Nebr. Blade holder. 1,871,069; Aug. 9.

Maher, Martin E., Clifton, N. J. Adjustable coupling means. 1,845,672; Feb. 16.

Mahla, Walter T., Lorain, Ohio, assignor to National Tube Company. Pipe testing machine. 1,876,711; Sept. 13.

Mahle, Otto, Elmhurst, N. Y. Lingerie holder. 1,884,031; Oct. 25.

Mahler, George T. (See Bunce, E. H., Lentz, and Mahler.)

Mahler, George T., and E. C. Handwerk, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Production of coked agglomerates. 1,875,249; Aug. 30.

Mahnke, Charles F. (See Logan, C. F., and Mahnke.)

Mahon, Herbert G. B., Gosforth, Newcastle-upon-Tyne, England. Furnace observation window. 1,887,654; Nov. 15.

Mahon, Lee Henry, Liberty, assignor of one-half to H. H. Sloan, Houston, Tex. Gland packing. 1,868,668; July 26.

Mahon, R. C., Company, The. (See Mahon, Russell C., assignor.)

Mahon, Russell C., assignor to The R. C. Mahon Company, Detroit, Mich. Deck plate. 1,862,237; June 7.

Mahoney, Hugh L., Uniondale, Ind. Fence protector. 1,839,239; Jan. 5.

Mahoney, John P., assignor to Gardner Broom Company, Amsterdam, N. Y. Combination broom holder and dust pan. 1,864,918; June 28.

Mahoney, Joseph N., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Follow-up system for gyrocompasses. 1,887,318; Nov. 8.

Mahoney, William H., Hingham, Mass. Pedestal. Des. 87,642; Aug. 23.

Mahr, Emmy, Dallas, Tex. Device for turning music. 1,888,390; Nov. 22.

Mahr, Julius A., assignor to Inventors' Patent Holding Company, Minneapolis, Minn. Hood for baby carriages. 1,854,377; Apr. 19.

Mahr, Julius A., assignor to Inventors' Patent Holding Company, Minneapolis, Minn. Body for folding baby carriages. 1,856,491; May 3.

Mahr, Julius A., assignor to Inventors' Patent Holding Company, Minneapolis, Minn. Folding baby carriage. 1,869,205; July 26.

Mahr, Julius A., assignor to Inventors' Patent Holding Company, Minneapolis, Minn. Brake for baby carriages and the like. 1,879,759; Sept. 27.

Mahr, Wilbert S., Lynn, Mass. Pallet holder. 1,857,968; May 10.

Maibach, John J., assignor to Montgomery Ward & Company, New York, N. Y. Textile fabric or similar article. Des. 88,806; Dec. 27.

Maibaum, Jerome, New York, N. Y. Electrical conductor. 1,843,428; Feb. 2.

Maibohm, Harry C. (See West, M. B., and Maibohm.)

Maibohm, Harry C., assignor to The Simplex Radio Company, Sandusky, Ohio. Combined radioreceiver, electrical phonograph, and public address system. 1,868,613; July 26.

Maiden Form Brassiere Co. (See Bissett, Enid, assignor.)

Maier, Albert, Friedrichshafen, assignor to Zahnradfabrik Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Gear. 1,852,247, Apr. 5.

Maier, Carl J., Aurora, Ill. Can opener. 1,862,972; June 14.

Maier, Franz X., Munich, Germany. Permanent hair waving apparatus. 1,852,903; Apr. 5.

Maier, Franz X., Munich, Germany. Permanent hair waving apparatus. 1,892,063; Dec. 27.

Maier, Fred R., Kansas City, Mo. Boot tree. 1,866,859; July 12.

Maier, George M., Pelham, assignor to American Radiator Company, New York, N. Y. Casing for a hot water heater or the like. article. Des. 87,971; June 28.

Maier, John, St. Louis, Mo. Forming apparatus. 1,866,895; July 12.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Ruffling mechanism for sewing machines. 1,843,168; Feb. 2.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Trimming device for sewing machines. 1,857,056; May 3.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Sewing machine. 1,857,057; May 3.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Sewing machine for inserting elastic bands in stitched articles. 1,857,058; May 3.

Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Fabric guide support for sewing machines. 1,864,502; June 21.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Feeding mechanism for sewing machines. 1,864,502; June 21.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Combination hemmer and strip guide. 1,864,503; June 21.

Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Apparatus for stitching bag material. 1,884,032; Oct. 25.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Machine for edging fabric sections. 1,884,033; Oct. 25.

Maier, Michael, Portland, Oreg., assignor of one-third to L. Clark and one-third to A. C. F. Wilkins, Seattle, Wash. Flowerpot. 1,892,157; Dec. 27.

Mailaender, Wilhelm, Stuttgart-Cannstatt, Germany. Rotary deep impressing printing machine. 1,858,633; May 17.

Malley, Roy D., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gas or vapor electric device and controlling the same. 1,878,159; Sept. 20.

Malley, Roy D., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gas or vapor discharge device. 1,878,502; Sept. 20.

Maillard, Joseph E. B., Nogent-le-Roy, France. Compact and vanity set. 1,868,969; July 26.

Maillard, Joseph E. B., Nogent-le-Roy, France. Container for pulverulent or granulated substances. 1,890,522; Dec. 13.

Maillebuau, Pierre, La Neuville En Hez, France. Pump. 1,840,966; Jan. 12.

Maimin, H., Company. (See Bangser, William, assignor.)

Main, Andrew, et al. (See Martens, John B., assignor.)

Main, Andrew, assignor to The Four-way Lock Company, Cleveland, Ohio. Clutch lock. 1,886,822; Nov. 8.

Main, Charles C. (See Beckwith, C. F., and Main.)

Main, Frank L., Jackson, assignor to General Motors Corporation, Detroit, Mich. Adjustable spring clip. 1,861,019; May 31.

Main, Frank L., Birmingham, and F. C. Hebert, Jackson, Mich., assignors, by mesne assignments, to Kelsey-Hayes Corporation. Balanced disk wheel. 1,847,774; Mar. 1.

Main, Samuel M., assignor to Scoville Manufacturing Company, Waterbury, Conn. Metal vase. 1,855,719; Apr. 26.

Main Seaboard Paper Company. (See Cram, Hervey G., assignor.)

Maina, Joseph. (See Brown, W. S. F., and Maina.)

Maine, Sidney A., Duluth, Minn. Air hose coupling. 1,885,614; Nov. 1.

Maine Steel Products Company. (See Sargent, Don A., assignor.)

Maine Steel Products Company. (See Soule, G., and Woodbury, assignors.)

Maine Steel Products Company. (See Soule, G. C., and Woodbury, assignors.)

Maine Steel Products Company. (See Woodbury, J. B., and Soule, assignors.)

Maines, Fred, Taft, Calif. Draft connection. 1,841,619; Jan. 19.

Maines, Thomas J. (See Linderman, A. L., and Maines.)

Mains, Gerald H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coating composition. 1,841,138; Jan. 12.

Mains, Gerald H., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Laminated material. 1,844,512; Feb. 9.

Maintenance Equipment Company. (See Bates, Sidney E., assignor.)

Maintenance Equipment Company. (See Bates, S. E., and Overmier, assignors.)

Maintenance Equipment Company. (See Hamilton, Perry H., assignor.)

Maintenance Equipment Company. (See Warr, Harold G., assignor.)

Mair, John E., Mars, Pa., assignor to National Electric Products Corporation, New York, N. Y. Swivel connecter fitting for conduits and the like. 1,880,098; Sept. 27.

Mais, Henry T. (See Little, L. E., and Mais.)

Mais, Mathias J. (See Kraft, Selmer A., and Mais.)

Maisel, Robert, Munich, assignor of one-third to Maschinenfabrik Hörselgau Aktiengesellschaft, Waltershausen and one-third to Dr. Wilhelm Schwarzwälder, Munich, Germany. Piston sealing means. 1,859,520; May 24.

Maisch, Jacques, New York, N. Y. Textile fabric or similar article of manufacture. Des. 88,424; Nov. 29.

Maisch, Jacques, New York, N. Y. Textile fabric or the like. Des. 88,661; Dec. 13.

Maisch, Jacques, New York, N. Y. Textile fabric or the like. Des. 88,807; Dec. 27.

Maisch, Jacques, New York, N. Y. Textile fabric or the like. Des. 88,808; Dec. 27.

Maisch, Jacques, New York, N. Y. Textile fabric or the like. Des. 88,809; Dec. 27.

Maish, Ralph A., assignor to Dennison Manufacturing Company, Framingham, Mass. Reconforcing tab. 1,869,385; Aug. 2.

Maiuri, Guido, and R. F. Bossini, London, England, assignor, by mesne assignments, to Electrolux Servel Corporation. Refrigeration. 1,875,626; Sept. 6.

Maiwurm, Paul, San Diego, Calif. Aircraft landing gear. 1,853,312; Apr. 12.

Majacher, Gust, McKees Rocks, Pa. Combination table and chair. 1,890,291; May 24.

Majestic Metal Specialties, Inc. (See Kasdan, Nathan, assignor.)

Majestic Metal Specialties, Inc. (See Kasdan, N., and Landweir, assignors.)

Major, Charles, Dearborn, Mich. Fountain brush. 1,839,768; Jan. 5.

Major, Ralph H., Kansas City, Kans., assignor to Eli Lilly and Company, Indianapolis, Ind. Blood-pressure-lowering substance and of producing it. 1,872,775; Aug. 23.

Majors, Ergo A. (See Schueller, Casper E., assignor.)

Majors, Walter L., St. Louis, Mo. Oil burner. 1,862,691; June 14.

Majors, Williams B. (See Coplen, Millicent V. and C. W., and Majors.)

Makaroff, Wadim S., New York, N. Y., Internal combustion engine. 1,874,561; Aug. 30.

Makaroff, Sergei, Grefsen, near Oslo, Norway. Vehicle lamp. 1,882,188; Oct. 11.

Maker, John A., Duluth, Minn., and J. A. Medley, Superior, Wis. Holder. 1,857,465; May 10.

Makeras, Inc. (See Johnson, Alfred and R. H., assignors.)

Makino, Fred R. (See Beckwith, Seichi, assignor.)

Makowski, John F., Oakland, Calif., assignor to Fireproof Wall Company, Reno, Nev. Conduit cutting apparatus. 1,850,327; Mar. 22.

Maksik, Samuel, Brooklyn, assignor to Michel, Maksik & Feldman, Inc., New York, N. Y. Hand bag. Des. 88,880; Nov. 22.

Maksik, Samuel, assignor to Michel, Maksik & Feldman, Inc., New York, N. Y. Hand-bag. 1,842,792; Jan. 26.

Maksik, Samuel, Brooklyn, assignor to Michel, Maksik & Feldman, Inc., New York, N. Y. Handbag. 1,855,358; Apr. 26.

Maksik, Samuel, Brooklyn, assignor to Michel, Maksik & Feldman, Inc., New York, N. Y. Hand bag. 1,887,511; Nov. 15.

Malafey, Herman J. (See Dodge, S. O., and Malafey.)

Malaguti, Charles D., Boston, Mass. Counter-stiffener molding mechanism. 1,849,942; Mar. 15.

Malaguti, Donald, et al. (See Spadafora, Joseph, assignor.)

Malaguti, Lionel, et al. (See Spadafora, Joseph, assignor.)

Malatesta, John B., New York, N. Y. Mouth mirror. 1,887,888; Nov. 15.

Malby, Seth G., Tenafly, assignor to Aluminum Screw Machine Products Company, Edgewater, N. J. Spool. 1,875,068; Aug. 30.

Malby, Seth G., Tenafly, assignor to Aluminum Screw Machine Products Company, Edgewater, N. J. Making quills. 1,877,342; Sept. 13.

Malby, Seth G., Tenafly, assignor to Aluminum Screw Machine Products Company, Edgewater, N. J. Hanger. 1,877,343; Sept. 13.

Malchou, Gustav E. A. (See Beaton, John L., assignor.)

Malcolm, George S., Auburn, Calif. Display card holder. 1,867,920; July 19.

Malcolm, George S., Auburn, Calif. Display card holder. 1,873,611; Aug. 23.

Malcolm, George Y., Toronto, Ontario, Canada. Loose pulley. 1,881,780; Oct. 11.

Malcolm, James A. (See Feuerheerd, Ernest, assignor.)

Malcolm, John C., Gallaton, assignor to Bay State Fishing Company, Boston, Mass. Trawling gear. 1,869,018; July 26.

Malcolm, Theodore, New York, N. Y. Pencil or similar article. Des. 87,308; July 5.

Malcom, Henry L., and H. S. Harker, Shelley, assignors of forty per cent to Ella Malcom, twenty per cent to said Harker, twenty per cent to E. Duke, Idaho Falls, twenty per cent to W. S. Wright, Shelley, Idaho. Beet harvester. 1,880,324; Oct. 4.

Malcom, Robert, et al. (See Moran, J. L., and Lee, assignors.)

Malcom, Robert, Chicago, Ill. Welder's device. 1,885,744; Nov. 1.

Malcom, Robert, Chicago, Ill. Helmet. 1,885,745; Nov. 1.

Malcom, Robert, Chicago, Ill. Goggles. 1,886,410; Nov. 8.

Malcom, Robert, Chicago, Ill. Goggles. 1,890,690; Dec. 13.

Maldari, Daniel, Brooklyn, N. Y. Macaroni die. 1,857,313; May 10.

Maldonado, Gustavo J. (See Latimer, W. J., Stahl, and Maldonado.)

Mall, Frank F., New Brighton, Pa., assignor to National Electric Products Corporation. Clamp-positioning device. 1,861,807; June 7.

Mallcay, Leandro, Westwood, Calif. Sack holder. 1,862,364; June 7.

Malik, Joseph S., Cleveland, Ohio. Flower stand. Des. 87,162; June 14.

Malin, Richard, Chemnitz, Germany. Carburetor. 1,889,126; Nov. 29.

Malin, Richard, assignor of one-half to Firm Theodor Hasse, Chemnitz, Germany. Carburetor. 1,865,266; June 28.

Malinowski, Chester, Los Angeles, Calif. Twist-off safety coupling. 1,889,690; Jan. 5.

Mallinson, Enoch. (See Marshall, Enoch, assignor.)

Malivert, Jules E., Paris, assignor to "Societe dite: L'Accessoire De Precision," Levallois-Perret, France. Locking device. 1,847,014; Feb. 23.

Malkin, Bernard A., Lachine, Quebec, Canada. Drive for paper making machines. 1,840,590; Jan. 12.

Malkin, Bernard A., Lachine, Quebec, Canada. Steam fitting for journals of rotating cylinders and the like. 1,859,975; May 24.

Malkin, Bernard A., assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Reel starter for paper machines. 1,881,781; Oct. 11.

Malke, Sven. (See Nilson, E., Malke, and Holmberg.)

Malkind, Ben L., Long Island City, N. Y. Knitting needle. 1,864,362; June 21.

Malleable Iron Fittings Company. (See Hammer, Forrester L., assignor.)

Malleable Iron Fittings Company. (See Williams, Rolland G., assignor.)

Malleable Iron Range Company. (See Hofferbert, Orrin, assignor.)

Maller, Aloys N., Oelwein, Iowa. Internal combustion engine. 1,844,472; Feb. 9.

Mallett, George T., Elizabeth, N. J. Stereoscopic cinematography. 1,867,855; July 19.

Mallette, Julius St. Clair, Mo. Lockable closure. 1,842,992; Jan. 26.

Mallette, Joseph M., New London, Conn. Automobile signal. 1,885,374; Nov. 1.

Malley, James, Richmond, Va. Coat hanger. 1,877,247; Sept. 13.

Mallina, Rudolph F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Film editing system. 1,865,028; June 28.

Mallina, Rudolph F., Atlantic City, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Diaphragm. 1,870,417; Aug. 9.

Mallinckrodt Chemical Works. (See Mallinckrodt, Edward, jr., assignor.)

Mallinckrodt Chemical Works. (See Mallinckrodt, E. jr., and Farr, assignors.)

Mallinckrodt, Edward, jr., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Method of and apparatus for packaging. 1,881,782; Oct. 11.

Mallinckrodt, Edward, jr., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Filler. 1,881,784; Oct. 11.

Mallinckrodt, Edward, jr., St. Louis, and H. V. Farr, Ferguson, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Method of and apparatus for packaging. 1,881,783; Oct. 11.

Mallory, Bonnie L., Cleveland Heights, assignor to The Cleveland Shock Absorber Company, Cleveland, Ohio. Shock absorber. 1,884,034; Oct. 25.

Mallory, Edward B., Tenafly, N. J., assignor to The Climax Engineering Company, Clinton, Iowa. Compression unit. 1,852,175; Apr. 5.

Mallory, Edward B., Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,870,181; Aug. 2.

Mallory, Gerald D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 1,853,827; Apr. 12.

Mallory, Gerald D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire and making it. 1,862,492; June 7.

Mallory Hat Company. (See Reynolds, Ralph K., assignor.)

Mallory, Marion, Toledo, Ohio. Carburetor. 1,857,466; May 10.

Mallory, Marion, Toledo, Ohio. Engine ignition timer. 1,859,308; May 24.

Mallory, Marion, Toledo, Ohio. Control device for ignition timers. 1,859,309; May 24.

Mallory, Marion, Toledo, Ohio. Governor brake for timers. 1,866,896; July 12.

Mallory, Marion, Toledo, Ohio, assignor to The Mallory Research Company. Ignition timer. 1,886,566; Nov. 8.

Mallory, P. R., & Co. (See Shoemaker, Harry, assignor.)

Mallory, P. R., & Co. (See Weiger, Joseph A., assignor.)

Mallory, P. R., & Co. Incorporated. (See Sieger, G. N., and Weiger, assignors.)

Mallory Research Company, The. (See Mallory, Marion, assignor.)

Malloy, Arthur D., et al. (See Smith, William D., assignor.)

Malloy, Daniel L. (See Hayes, G. B., and Malloy.)

Malloy, Frank J. (See Donovan, J. F., and Malloy.)

Malm, Carl J. (See Clarke, H. T., and Malm.)

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Production of cellulose acetate free from haze. 1,840,404; Jan. 12.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Treatment of cellulose acetate. 1,870,635; Aug. 9.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Changing solubility of cellulose acetate. 1,878,953; Sept. 20.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Rendering cellulose acetate free from haze. 1,878,954; Sept. 20.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film with antihalation coating. 1,884,035; Oct. 25.

Malm, Carl J., and A. Andersen, assignors to Eastman Kodak Company, Rochester, N. Y. Production of low viscosity cellulose esters. 1,857,562; May 10.

Malm, Frank S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Compositions of matter and their preparation. 1,847,123; Mar. 1.

Malm, Frank S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaning and vulcanizing materials. 1,881,503; Oct. 11.

Malm, John F., Chicago, Ill. Measuring grease. 1,881,786; Oct. 11.

Malm, Knut G. (See Lindgren, H. O., and Malm.)

Malm, William, New Orleans, La. Transmission of motion pictures and the like. 1,842,759; Jan. 26.

Malmedie & Co. Maschinenfabrik Aktiengesellschaft. (See Nitzburg, Wilhelm, assignor.)

Malmquist, Adolph K., South Bellingham, Wash. Stop mechanism for can sealing machines or the like. 1,884,782; Oct. 25.

Malmquist, Emil K., South Bellingham, Wash. Machine for testing filled and sealed cans and containers 1,869,067; July 26.

Malnick, Helene, Chicago, Ill. Brassiere. 1,882,023; Oct. 11.

Malocsay, Francis X., Saddle River, N. J., assignor to International Banding Machine Co., Inc. Sealing device for cigar wrapping machines. 1,887,544; Nov. 15.

Malone, Adolph W., Fillmore, Utah, assignor of one-half to Albert H. Vestal, Anderson, Ind. Cushioned cable support. 1,884,056; Oct. 25.

Malone, Adolph W., Fillmore, Utah, assignor of one-half to Albert H. Vestal, Anderson, Ind. Dead end supports for electric cables. 1,884,037; Oct. 25.

Malone, Julian Y., Eau Claire, Wis. Electric heater 1,860,934; May 31.

Malone, Oswald J., Shepparton, Victoria, Australia. Appliance for cutting holes in tins and forming grooves around the openings. 1,855,978; Apr. 26.
Maloney, Andrew J., Merion, assignor to The Philadelphia & Reading Coal & Iron Company, Philadelphia, Pa. Ash removing appliance for furnaces. 1,887,768; Nov. 15.
Maloney, James A., New York, N. Y. Thermostatic cut-off for domestic gas burners. 1,872,040; Aug. 16.
Maloney, Peter J., North Bend, Wash. Roundabout or merry-go-round. 1,860,194; May 24.
Maloney, William J., jr. (See Maloney, William J., assignor.)
Maloney, William J., assignor of one-tenth to W. J. Maloney, jr., Ansonia, Conn. Concealed thumbtack. 1,857,158; May 10.
Maloney, William T., Jersey City, N. J. Magazine pencil. 1,846,601; Feb. 23.
Maloon, Carl B., assignor to American Tractor Equipment Company, Oakland, Calif. Cable laying machine. 1,854,617; Apr. 19.
Maloon, Carl B., assignor to American Tractor Equipment Company, Oakland, Calif. Scraper. 1,858,634; May 17.
Malott, Charles K., Los Angeles, Calif. Testing device for electrical systems. 1,850,590; Mar. 22.
Maloz, Walter C., New Orleans, La. Perpetual calendar. 1,873,380; Sept. 27.
Malpas, Ellis G., assignor to The Piston Ring Company, Muskegon, Mich. Piston ring. 1,885,273; Nov. 1.
Malsbury, Charles A., Joplin, Mo. Smoking pipe reamer. 1,851,124; Mar. 29.
Maistro, Colombo, New York, N. Y. Comb. 1,847,347; Mar.
Maltby, Sidney T., assignor to Stone Straw Corporation, Washington, D. C. Mechanism for forming spirally wound metal-sided tubes. 1,870,152; Aug. 16.
Malti, Samuel, and S. Melita, assignors of one-third to R. Dallura, Philadelphia, Pa. Bottle support. 1,863,164; June 14.
Malvein, Lewis K., Elgin, assignor to Elgin National Watch Co., Chicago, Ill. Power-wound watch or clock movement. 1,865,379; June 28.
Mambourg, Joseph Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Furnace construction. 1,872,477; Aug. 16.
Mambourg, Luke C. (See Drake, J. L., and Mambourg.)
Mambourg, Luke C., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Width maintaining sheet glass apparatus. 1,870,023; Jan. 31.
Mambourg, Luke C., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,890,044; Dec. 24.
Mambourg, Luke C., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming sheet glass. 1,872,133; Aug. 23.
Mambourg, Nestor, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Furnace. 1,860,045; May 24.
Mammen, Lawrence W., Chicago, Ill. Movable sections in wings for aircraft. 1,862,795; June 14.
Mammes, Raymond J., Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Forming composite motion picture film. 1,869,819; Aug. 2.
Mample, Adolph Z. (See Rudd, M. A., and Mample.)
Mample, Adolph Z., Glen Rock, N. J., and E. J. Hobert Hempstead, assignors to The Western Union Telegraph Company, New York, N. Y., forforming the lead sheathing of conductor cables. 1,881,287; Oct. 11.
Manarik, Joseph A. (See Keith, W. G., and Manarik.)
Manaster, Ben B., Chicago, Ill. Belt buckle connecter or the like. Des. 88,566; Dec. 6.
Manaster, Ben B., Chicago, Ill. Garment connecter. 1,877,677; Sept. 13.
Mancha, Raymond, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Storage battery locomotive. 1,843,690; Feb. 2.
Mancha, Raymond, St. Louis, and C. E. Stoltz, Webster Groves, assignors to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Storage battery locomotive. 1,843,691; Feb. 2.
Mancha, Raymond, St. Louis, and C. E. Stoltz, Webster Groves, Mo., assignors, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Storage battery locomotive. 1,875,627; Sept. 6.
Mancha Storage Battery Locomotive Company. (See Mancha, Raymond, assignor.)
Mancha Storage Battery Locomotive Company. (See Mancha, R., and Stoltz, assignors.)
Manchester, Thomas H. (See Bruce, A. D., Russell, and Manchester.)
Manchester, Thomas H., and E. A. Russell, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Gasket for pipe joints. 1,849,927; Feb. 9.
Mancib, Alvin S., Somerville, assignor to Comstock & Wescott, Inc., Boston, Mass. Combustion apparatus. 1,885,530; Nov. 1.
Mancusi, Pasquale, New York, N. Y., and V. Di Sibio, Glassboro, N. J., assignors to Pursmoke Pipe Company, Inc., New York, N. Y. Tobacco pipe. 1,866,574; July 12.
Manda, Edward A., East Orange, N. J. Freesia. Pl. Pr. 43; Nov. 8.
Mandalian, Sahatiel G., North Attleboro, Mass. Metallic mesh fabric. Des. 86,792; Apr. 19.
Mandalian, Sahatiel G., North Attleboro, Mass. Sound transmitting and light reflecting screen. 1,890,819; Dec. 13.
Mandaville, Gurney L., Fort Pierce, Fla. Attachment for ophthalmometers. 1,867,700; Aug. 2.
Mandel, Ambrose J., deceased, by E. Mandel, Forest Hills, Long Island, N. Y., administrator. Making porous objects. Re18,506; June 28.
Mandel, Arthur C., New York, N. Y. Safety control for gasoline dispensing systems. 1,866,262; July 5.
Mandel, Edward, administrator. (See Mandel, Ambrose J.)
Mandel, William, Minneapolis, Minn. Knockdown stand for garbage cans and similar articles. 1,845,883; Feb. 16.
Mandelbaum, Malvin R., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,865,474; July 5.
Mandelick, Charles H., New York, N. Y., assignor to Kayser-Hosiery Motor-Mend Corporation, Wilmington, Del. Machine for relooping the runs in stockings and other knitted fabrics. 1,867,579; July 19.
Mandelko, A. W. (See Baker, Leo F., assignor.)
Manderfeld, Emanuel C., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical image producing system. 1,874,200; Aug. 30.
Manderscheid, James J., Chicago, Ill. Wheel dresser. 1,852,354; Apr. 5.
Mandeville, John L., Arlington, N. J., assignor to Oxweld Acetylene Company. Blowpipe. 1,846,740; Feb. 23.
Mandeville, John L., Arlington, N. J., and S. R. Oldham, Chicago, Ill., assignors to Oxweld Acetylene Company. Metal working blowpipe. 1,846,742; Feb. 23.
Mandler, Eugen, assignor to the Ehrlich-Climax Motorenwerke und Schiffswerft Linz A. G., Vienna, Austria. Rotary blower. 1,886,096; Nov. 1.
Maney, Thomas, Louisville, Ky. Lubricating device for rails. 1,852,977; Apr. 5.
Manfré, Joseph E., Brooklyn, N. Y. Street lamp. 1,847,775; Mar. 1.
Manfred Weiss Stahl und Metallwerke Aktiengesellschaft. (See Wattmann, Emil, assignor.)
Manger, Charles F. (See Bentley, P. A., Manger, and Wainwright.)
Mangiameli, Francesco, Dusseldorf, Germany. Safety device for gas conduits. 1,874,019; Aug. 30.
Mangiameli, Francesco, Dusseldorf, Germany. Supplying gases to welding torches and the like. 1,879,940; Sept. 27.
Mangin, James, New Brunswick, N. J. Grounding nut. 1,843,826; Feb. 2.
Manginne, John, and S. Terranova, Auburn, N. Y. Submarine distress signal. 1,863,019; June 14.
Mangogna, Antonio, et al. (See Davis, William E., assignor.)
Mangone, Frank, et al. (See Foti, Charles, assignor.)
Mangum, W. Lester. (See Hamilton, Alexander C., assignor.)
Manhattan Electrical Supply Company. (See Hendry, William F., assignor.)
Manheimer, Arthur E., assignor to Manheimer Watch Company, Chicago, Ill. Wrist watch. 1,871,896; Aug. 16.
Manheimer, Arthur E., Chicago, Ill., assignor to Manheimer Watch Company. Strap watch. 1,871,897; Aug. 16.
Manheimer, Arthur E., assignor to Manheimer Watch Company, Chicago, Ill. Watch mounting. 1,871,898; Aug. 16.
Manheimer Watch Company. (See Manheimer, Arthur E., assignor.)
Mani, Charles, Brooklyn, N. Y. Comb guide for cutting hair. 1,853,828; Apr. 12.
Manierre, George, Milwaukee, Wis. Loader shaker. 1,842,911; Jan. 26.
Manion, Leo W., Canton, Ohio. Muffle kiln. 1,886,491; Nov. 1.
Manion, Leo W., Canton, assignor, by mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio. Furnace. 1,889,928; Dec. 6.
Maniscalco, Joseph. (See Maniscalco, Pietro and J.)
Maniscalco, Joseph et al. (See Maniscalco, Pietro, assignor.)
Maniscalco, Pietro, assignor of one-fourth to J. Maniscalco, one-fourth to J. Bocchieri, and one-fourth to C. Bocchieri, St. Louis, Mo. Speed control for elevators. 1,885,458; Nov. 1.
Maniscalco, Pietro and J., assignors of one-fourth to J. Bocchieri and one-fourth to C. Bocchieri, St. Louis, Mo. Elevator. 1,844,133; Feb. 9.
Manker, Forrest W., Detroit, Mich., assignor to The Surface Combustion Corporation, Toledo, Ohio. Soaking-pit furnace. Re18,557; Aug. 9.
Manley, Edward B., New York, N. Y. Safety razor head and blade. 1,863,495; June 14.
Manley, Frank N. (See Hayden, R. P., and Manley.)
Manley, Job R., East Liverpool, Ohio. Dispensing apparatus. 1,859,833; May 24.
Manley Manufacturing Company. (See Manley, Robert E., assignor.)
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Auto pit. 1,844,584; Feb. 9.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. High lift jack. 1,844,585; Feb. 9.

Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Balloon tire inspection. 1,845,961; Mar. 8.

Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 1,867,580; July 19.

Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 1,892,283; Dec. 27.

Manly, Howard P., assignor to Manly Jail Works, Dalton, Ga. Communication device for jails. 1,869,266; July 26.

Manly Jail Works. (See Manly, Howard P., assignor.)

Mann, Charles A. (See Lincoln, C. A. N., and Mann.)

Mann, Earl H., assignor to E. G. Hill Company, Richmond, Ind. Yellow rose. Pl. Pt. 20; Aug. 23.

Mann, Earl H., assignor to E. G. Hill Company, Richmond, Ind. Cerise rose. Pl. Pt. 21; Aug. 23.

Mann, Fred H. (See Smith, P., and Mann.)

Mann, John, assignor to Goodale Pumps, Inc., Seneca Falls, N. Y. Bed plate. 1,886,035; Nov. 1.

Mann, Leon, Mount Vernon, N. Y., assignor to Holed-Tite Packing Corporation. Cushion seat. 1,885,847; Nov. 1.

Mann, Matthew D., jr., Roselle, N. J., assignor to Standard Oil Development Company. Method and apparatus for heat transfer. 1,859,940; July 26.

Mann, Matthew D., jr., Roselle, N. J., assignor to Standard Oil Development Company. Distributor for reactive liquids and using same. 1,876,994; Sept. 13.

Mann, Ned H., Hollywood, Calif. Animated motion picture. 1,869,904; Aug. 2.

Mann, Richard, Basking, assignor to M. L. Sofransey, Allentown, Pa. Wall paper pasting machine. 1,889,127; Nov. 29.

Mann, Seward W., assignor to Frank B. Smith, jr., Pittsburgh, Pa. Emergency switch mechanism and lighting system. 1,858,242; July 19.

Mann, Theodore C., assignor to Mattison Machine Works, Rockford, Ill. Molder. 1,853,442; Apr. 12.

Mann, Theodore C., Beloit, Wis., assignor to Mattison Machine Works, Rockford, Ill. Chip breaker for molding machines and the like. 1,887,032; Nov. 8.

Mann, William B. W. (See Talbot, Frank A., assignor.)

Mann, William B. W., and F. A. Talbot, Baltimore, Md. Storing electrical energy mechanically. 1,852,154; Oct. 11.

Manna, John, Youngstown, Ohio. Curtain support fixture. 1,856,962; May 3.

Männich. (See Thiess, K., and Männchen.)

Manners, William H., Krugersdorp, and N. Barker, Johannesburg, Transvaal, assignors to M. & S. Carburettor Manufacturing Company (1919), Limited, Johannesburg, South Africa. Carburetor. 1,865,122; June 28.

Mannich, Charles, Berlin-Steglitz, Germany. Aromatic esters of amino alcohols and process of manufacture. 1,889,678; Nov. 29.

Mannick, Andrew L., Hazleton, Pa. Automatic camera. 1,873,654; Aug. 23.

Manning, Arthur, Rutherford, N. J. Fuel oil torch. 1,860,966; Oct. 4.

Manning, Arthur L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for securing and bracing articles for transportation. 1,881,494; Oct. 11.

Manning, Clarence E., assignor to J. R. Francis, Flint, Mich. Carburetor. 1,845,719; Feb. 16.

Manning & Co. (See Buehrig, Gordon M., assignor.)

Manning & Co. (See Ronan, Kenneth M., assignor.)

Manning & Co. (See Snow, Herbert C., assignor.)

Manning & Co. (See Van Ranst, Cornelius W., assignor.)

Manning & Co. (See Weaver, Harry A., assignor.)

Manning, Edward, assignor to Manning Manufacturing Co., Inc., Rye, N. Y. Quick flushing valve for milk pasteurizing machines. 1,868,947; July 26.

Manning, Edward and R. A., assignors to Manning Manufacturing Company, Incorporated, Rutland, Vt. Bottle capper. 1,888,279; Nov. 22.

Manning, Harold G., Waterbury, Conn. Steering wheel grip. 1,876,993; Sept. 13.

Manning, J. T., jr., et al., receivers. (See Cramer, J., and Sherr, assignors.)

Manning Manufacturing Co. (See Manning, Edward, assignor.)

Manning Manufacturing Company, Incorporated. (See Manning, Edward and R. A., assignors.)

Manning, Maxwell & Moore, Inc. (See Blake, Frank W., assignor.)

Manning, Maxwell & Moore, Inc. (See Greene, Linus E., assignor.)

Manning, Maxwell & Moore, Inc. (See Holton, Robert H., assignor.)

Manning, Robert W., Cleveland, Ohio. Advertising novelty. 1,885,122; Nov. 1.

Manning, Roy A. (See Manning, Edward and R. A.)

Manning, Sanford E., Houston, Tex. Method and apparatus for setting screens. 1,888,405; Nov. 22.

Manning, William H., Pontiac, Mich. Reciprocating engine. 1,881,027; Oct. 4.

Manning, William H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Bearing liner design. 1,872,600; Aug. 16.

Mannion, John J., Fair Oaks, Pa. Ground reservoir. 1,841,661; Jan. 19.

Mannl, Rudolf, Karlsbad, Czechoslovakia. Rôentgen diaphragm. 1,891,332; Dec. 20.

Manoha, Jacques, assignor to Houbigant, Inc., New York, N. Y. Holder for toilet articles. 1,865,267; June 28.

Manor, Florian F., Oshkosh, Wis. Tandem wheeled airplane. 1,855,861; Apr. 26.

Manrodt, Henry, Newark, N. J. Rotary valve combustion engine. 1,866,119; July 5.

Mansbach, Daniel F., and M. M. W. Rosenthal, New York, N. Y. Dispensing device. 1,845,673; Feb. 16.

Mansel, Paul, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrically controlled sorting machine. 1,849,677; Mar. 15.

Mansfeld Aktiengesellschaft fur Bergbau und Huttenbetrieb. (See Krebs, H., and Borchers, assignors.)

Mansfield, George D., Philadelphia, Pa. Multiple telephone connecting device. 1,839,795; Jan. 5.

Mansfield, Judson H. (See Geddes, L. H., and Mansfield.)

Mansfield, Judson H., assignor to Greenlee Bros. and Co., Rockford, Ill. Gang boring. 1,852,124; Apr. 5.

Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Tapping machine. 1,861,350; May 31.

Mansker, Richard H. F., New Haven, Conn., assignor to Eli Lilly and Company, Indianapolis, Ind. Resolution of ephedrine and its homologues and of mandelic acid, and certain intermediates. 1,867,274; July 12.

Manson Chemical Company. (See Maze, Augustus E., assignor.)

Manson, George J., Hawkesbury, Ontario, Canada, assignor, by mesne assignments, to Mansons Chemical Company, Montclair, N. J. Waterproofed fibrous product. 1,853,038; Oct. 25.

Manson, Leon B., Corona, assignor to Noma Electric Corporation, New York, N. Y. Electric fitting. 1,860,546; May 31.

Manson, Mahlon E., assignor to Rundle Manufacturing Co., Milwaukee, Wis. Enameling composition. 1,844,870; Feb. 9.

Manson, Ralph H., assignor to Hubbard & Company, Pittsburgh, Pa. Mast arm support. 1,843,454; Feb. 2.

Mansons, Roy C., Detroit, Mich., assignor to The F. A. Neider Company, Augusta, Ky. Tufting button. 1,875,628; Sept. 6.

Manson, Thomas M., Toronto, Ontario, Canada, assignor to Service Station Equipment Company, Bryan, Ohio. Air service equipment. Re18,483; May 31.

Mansons Chemical Company. (See Manson, George J., assignor.)

Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Loom picker and making same. 1,852,813; Apr. 5.

Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Metal hub and the like. 1,852,814; Apr. 5.

Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Metal hub and the like. 1,852,815; Apr. 5.

Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Nonmetallic wheel. 1,871,417; Aug. 9.

Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Non-metallic gear wheel. 1,891,937; Dec. 27.

Mansure, Arthur J., Detroit, Mich. Automatic temperature or pressure control. 1,876,822; Sept. 13.

Mantell, Charles L., Brooklyn, assignor to Dudzeele Corporation of America, New York, N. Y. Removing lead from ferrous articles. 1,886,411; Nov. 8.

Mantell, Edward P., San Francisco, Calif. Air vehicle. 1,878,955; Sept. 20.

Mantell, Walter R., St. Louis, Mo. Tracing designs. 1,850,760; Mar. 22.

Mantenfel, August, assignor of one-third to A. Blum and one-third to R. E. Scheidler, Chicago, Ill. Can perforator. 1,878,956; Sept. 20.

Mantius, Otto, New York, N. Y. Reclaiming sludge acid in petroleum refining. 1,844,513; Feb. 9.

Mantlhar Corporation. (See Naftal, W., and Ensler, assignors.)

Mantle, Joseph G. C., Leonia, N. J. Internal combustion engine. 1,881,789; Oct. 11.

Mantle Lamp Company of America. (See Davis, Cortland W., assignor.)

Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)

Mantor, Otis E., Monterey, Calif. Duo-hydroaircraft. 1,879,700; Sept. 27.

Mantz, Harold A., assignor to E. N. Jacobi, trustee, Milwaukee, Wis. Automatic burner lighter. 1,858,516; May 17.

Manuel, Theodore Z., assignor of two-thirds to B. J. Johnson and A. Hardwick, Winona, Minn. Sleet cutter or scraper for automobile windshields. 1,846,885; Feb. 23.

Manufacture Metallurgique De Tournus. (See Reinold, Louis, assignor.)

Manufacturers Aircraft Association, Inc. (See Bradley, Samuel S., assignor.)

Manufax Limited. (See Lingwood, Frederick D., assignor.)

Manville, E. J., Machine Company, The. (See Pracny, John E., assignor.)

Manville, Henrietta P., New Haven, assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Article of footwear. 1,840,241 ; Jan. 5.
Manville Lenckes Company. (See Lockhart, George R., assignor.)
Manville, Keith R., Livingston Manor, N. J., assignor to International Motor Company, New York, N. Y. Multiple transmission shaft drive for motor vehicles. 1,886,823 ; Nov. 8.
Manwaring, Mary, New York, N. Y. Collapsible curtain rod threader. 1,851,713 ; Mar. 29.
Manxi, Adam J., Chicago, Ill. Hat cleaning machine. 1,865,197 ; June 28.
Manypenny, Joseph P., Berwyn, assignor to P. H. Chase, Bala-Cynwyd, Pa. Interlock. 1,850,761 ; Mar. 22.
Manz Rotogravure Company. (See Zimniewicz, A. J., and Cox, assignors.)
Manzel, Adolph W. F., assignor to Manzel Bros. Co., Buffalo, N. Y. Oil pump. 1,873,442 ; Aug. 23.
Manzel Bros. Co. (See Manzel, Adolph W. F., assignor.)
Manzel, Charles W., Buffalo, N. Y. Lubricating system. 1,851,647 ; Dec. 29.
Manzer, Arthur E., San Gabriel, Calif. Armed motorcycle. 1,876,995 ; Sept. 13.
Manzo, Anthony, assignor to American New Fashion Silverware Corporation, Brooklyn, N. Y. Automobile engine protector. 1,848,017 ; Mar. 1.
Manzotti, Erminio and E., Piacenza, Italy. Apparatus for printing positive photographic pictures with continuous automatic action. 1,851,733 ; May 10.
Manzotti, Erminio. (See Manzotti, Erminio and E.)
Mapel, George, Seattle, Wash. Trolling spoon. 1,856,640 ; May 3.
Mapelsden, Harold H., Schenectady, N. Y., assignor to General Electric Company. Indicating control means for instruments. 1,860,151 ; May 24.
Mapes Consolidated Manufacturing Company. (See De Remer, William J., assignor.)
Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Recoil preventing sprinkler. 1,853,620 ; Apr. 12.
Maphet, Nancy E., Wichita, Kans. Invalid's support. 1,890,396 ; Dec. 6.
Mapp, Jr., Tyrone, and F. W. Hoeme, Hooker, Okla. Supporting means for disk plow shafts. 1,873,655 ; Aug. 23.
Mapper, William L., assignor to The Corcoran-Brown Lamp Company, Cincinnati, Ohio. Lamp socket holding device. 1,865,933 ; July 5.
Mapson, Robert C., Detroit, Mich., assignor to Detroit Gear & Machine Company. Gear shift latch mechanism. 1,881,790 ; Oct. 11.
Marable, George B., Norwood, Ohio. Rerailing device. 1,861,313 ; May 31.
Maradei, Rafael E. D. Buenos Aires, Argentina. Electric lamp. 1,878,879 ; Sept. 20.
Marcuzo, Alexander, Omaha, Nebr. Automatic sandwich toaster. 1,862,965 ; June 14.
Marangoni, Luigi, Pavia, Italy. Machine for transplanting edible grain plants. 1,865,123 ; June 28.
Maranville, Alger G., assignor to The General Tire & Rubber Company, Akron, Ohio. Boat construction. 1,848,018 ; Mar. 1.
Maranville, Harvey F., assignor to The General Tire & Rubber Company, Akron, Ohio. Airbag inserting machine. 1,847,349 ; Mar. 1.
Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Loading apparatus for proofers. 1,890,740 ; Dec. 13.
Marathon Paper Mills Company. (See Abrams, Allen, assignor.)
Marathon Paper Mills Company. (See Willauer, William R., assignor.)
Marbach, Edward R. (See Bronson, B., and Marbach, assignors.)
Marbach, Edward R., Cleveland, Ohio. Inner latch for auto hoods. 1,863,863 ; June 21.
Marbach, Edward R., and G. F. Cavanagh, assignors to The Ohio Rubber Company, Cleveland, Ohio. Making steering wheel inserts. 1,869,267 ; July 26.
Marble, George L., Rochester, N. Y. Sword. 1,886,567 ; Nov. 8.
Marble, Jarvis C., Mount Vernon, assignor to American Throttle Company, Inc., New York, N. Y. Valve. 1,863,020 ; June 14.
Marble, William B., assignor to Latchford Glass Company, Los Angeles, Calif., Bottle. Des. 88,360 ; Nov. 22.
Marbury, Ralph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High voltage direct current system. 1,874,109 ; Aug. 30.
Marcalus, Nicholas, Elizabeth, N. J., assignor to Automatic Paper Machinery Co. Inc. Mounting cutters in box blanks. 1,843,429 ; Feb. 2.
Marcalus, Nicholas, Elizabeth, N. J., assignor to Automatic Paper Machinery Co. Inc. Machine for and method of winding folded webs. 1,884,783 ; Oct. 25.
Marcalus, Nicholas, Elizabeth, N. J., assignor to Automatic Paper Machinery Co. Inc. Paper roll. 1,884,784 ; Oct. 25.
Marcel, Francois R., Brooklyn, N. Y. Curling iron. 1,875,069 ; Aug. 30.
Marcella, Silvio, assignor to The F. H. White Company, Philadelphia, Pa. Traveling case. 1,885,849 ; Nov. 1.
Marcelin, Andre J. (See Benard, Henri L. M. J., and Marcelin.)
Marcellis, Carmen W., Kingston, Ontario, Canada. Spring belt tension adjuster. 1,847,720 ; Mar. 1.
Marcellus, Fredrick S., Scotia, N. Y., assignor to General Electric Company. Humidity indicator. Des. 88,810 ; Dec. 27.
Marcellus, Fredrick S., Scotia, N. Y., assignor to General Electric Company. Brush for electrical apparatus. 1,887,559 ; Nov. 15.
March, Harry S., Morrisville, Pa., assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Separable gear assembly. 1,874,775 ; Aug. 30.
March, Henry R., Waltham, assignor to Sacho-Lowell Shops, Boston, Mass. Twister frame. 1,874,325 ; Aug. 30.
March, Norris E., Muskegon, Mich., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Machine for smoothing the edges of phonograph records. 1,885,848 ; Nov. 1.
Marchand, Adolph, Jackson Heights, N. Y. Disappearing mirror light. 1,859,592 ; May 24.
Marchand, Jean J. M. L., The Hague, and J. C. Andriessen, Rijswijk, Netherlands. Container for distributing or sorting apparatus. 1,852,428 ; Apr. 5.
Marchand, Jean J. M. L., The Hague, and J. C. Andriessen, Rijswijk, Netherlands. Mail distributing apparatus. 1,856,168 ; May 3.
Marchant Calculating Machine Company. (See Baciga-lupi, Joseph M., assignor.)
Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
Marchant Calculating Machine Company. (See Talamini, Louis, assignor.)
Marchant, Charles J., South Milwaukee, Wis. Rotary engine. 1,869,106 ; July 26.
Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
Marchant, Pierre Victor, Nancy, France. Automatically supplied mold with controlled release for the production of ice blocks. 1,870,370 ; Aug. 9.
Marchese, John, Portland, assignor to D'Orsay, Aloha, Oregon, assignors, by mesne assignments, to Tire Savers Corporation, Ltd., San Jose, Calif. Pressure indicator. 1,865,871 ; July 5.
Marchner, Robert F., and W. C. Stoessser, assignors to The Dow Chemical Company. Midland, Mich. Di-diphenyl oxide. 1,862,961 ; June 14.
Marchus, Amos S., Oakland, Calif. Air hose connection. 1,845,922 ; Feb. 16.
Marchus, Amos S., Oakland, Calif. Combined tire gauge and filling valve. 1,892,435 ; Dec. 27.
Marchwicke, Margaret. (See Buckley, John A., assignor.)
Marcin, Helen, New York, N. Y. Automatic electric hand signal. 1,860,109 ; May 24.
Marckworth, Otto S., Columbus, Ohio. Manufacturing nonscarterable gloves. 1,867,085 ; July 12.
Marco, Fred W., Berkeley, assignor to Laher Auto Spring Co., Inc., San Francisco, Calif. Luggage carrier. 1,879,905 ; Aug. 23.
Marconi's Wireless Telegraph Company. (See Round, Henry J., assignor.)
Marconnet, Georges, Paris, France. Propulsion of ships. 1,870,629 ; Sept. 9.
Marcotte, Alcidas J. (See Gooch, C. W., jr., and Marcotte.)
Marcum, Arthur I., Oakland, Calif. Multiwheel road vehicle. 1,857,249 ; May 10.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Multiwheel road vehicle. 1,845,674 ; Feb. 16.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Torquing and drive arrangements for multiple wheel road vehicles. 1,847,348 ; Mar. 1.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Dirigible wheel mounting and steering apparatus. 1,851,198 ; Mar. 29.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Vehicle drive. 1,857,248 ; May 10.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Road vehicle spring suspension. 1,860,470 ; May 31.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Road vehicle. 1,860,471 ; May 31.
Marcus, Benjamin H., Brooklyn, N. Y. Buckle-purse. 1,870,820 ; Aug. 9.
Marcus, David A., and W. W. Ogier, jr., Pasadena, assignors to Nu-Ice Company, Los Angeles, Calif. Device for forming and storing solid carbon dioxide. 1,843,397 ; Feb. 2.
Marcus, Morris M., Philadelphia, Pa. Separable lamp stand. 1,885,275 ; Nov. 1.
Marcus, Samuel, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Doll eyes. Re18,332 ; Jan. 12.
Marcus, Samuel, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Movable eye set for dolls. 1,865,475 ; July 5.
Marcy, Frank E., San Diego, Calif. Mill. 1,858,594 ; May 17.

Marcy, John P., Kansas City, Mo. Pipe dolly. 1,891,995; Dec. 27.
Marcy, Willard A., assignor to The Lamson Company, Syracuse, N. Y. Vertical conveyer. 1,871,714; Aug. 16.
Marden, John W., and E. A. Lederer, East Orange, N. J., assignor to Westinghouse Lamp Company. Production of drawn metal tubes. 1,861,637; June 7.
Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Correcting device for fluid flow of meters. 1,847,220; Mar. 1.
Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Air trap for liquid pressure lines. 1,856,105; May 3.
Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Fluid metering device. 1,856,850; May 3.
Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Thrust roller plate construction for fluid meters. 1,857,351; May 10.
Marderstock, Karl W. (See Freitag, T. R., and Marderstock.)
Mardis, John K., and L. J. White, assignors to Southern Prison Company, San Antonio, Tex. Master control cabinet for jail door operating systems. 1,857,924; May 10.
MaRean, Marrett F., assignor of one-half to Elbert A. Taylor, Kansas City, Mo. Tapered tooth clipper. 1,882,155; Oct. 11.
Marek, Victor J., Elmhurst, N. Y. Garment hanger. 1,882,667; Oct. 18.
Marengo, August A., Stockton, Calif. Swimming belt. 1,875,630; Sept. 6.
Maresh, Joseph J., Terrell, Tex. Photographic printing machine. 1,881,791; Oct. 11.
Margerison, Albert E., and C. E. Hahn, assignors to Mock, Judson, Voehringer Company, Inc., Philadelphia, Pa. Hosiery and method of making same. 1,878,416; Sept. 20.
Margerum, Charles E. (See Kraut, S. B., and Margerum.)
Margia Manning. (See Humason, Granville A., assignor.)
Margiloff, Elsie E. (See Margiloff, Henry, assignor.)
Margiloff, Henry, assignor to E. B. Margiloff, Brooklyn, N. Y. Automatic gas cock control. 1,879,381; Sept. 27.
Margolin, Julius. (See Starr, Jacob, assignor.)
Margolith, Mordicha, Los Angeles, Calif. Amusement device. 1,851,285; Mar. 29.
Margon Corporation. (See Grugman, Leo J., assignor.)
Margon Corporation. (See Konoff, Alexander, assignor.)
Margon Corporation. (See Marcus, Samuel, assignor.)
Margon Corporation. (See Wilhelm, John H., assignor.)
Marguet, Georges, and M. B. La Veyssiere, Panfin, France. Construction and facing of roadways. 1,854,852; Apr. 19.
Margulis, Aaron, Brooklyn, N. Y. Sash construction. 1,841,902; Jan. 19.
Mariani, Alfonso, Erie, Pa. Roadbed equipment for railroads. 1,876,253; Sept. 6.
Mariani, Alfonso, Erie, Pa. Airplane. 1,881,792; Oct. 11.
Mariani, Frank N., New York, N. Y. Featherweight pipe. 1,851,393; Mar. 29.
Marien, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring expander and method of using. 1,869,107; July 26.
Marien, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston skirt expander and method. 1,887,769; Nov. 15.
Marien, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 1,888,094; Nov. 22.
Marien, Melvin W., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 1,869,108; July 26.
Marietta, Alphonso J., Akron, Ohio. Rod bending machine. 1,867,581; July 19.
Marietta Concrete Corporation. (See Ross, Charles B., assignor.)
Marin, John B., Douglas, Alaska. Pipe. 1,884,039; Oct. 25.
Marin, John B., Douglas, Alaska. Automobile body. 1,889,679; Nov. 29.
Marine, Field R., Gary, Ind. Protective device. 1,851,048; July 5.
Marine Patents Corporation, The. (See May, Louis B., assignor.)
Marine, Richard E., Pittsburgh, Pa. Automobile closure. 1,855,406; Apr. 26.
Mariner, Frank W., jr., Youngstown, Ohio. Music book and musical instrument holder. 1,853,913; Apr. 12.
Marino, Anthony J., Union City, N. J. Protective coating and applying same to nickel, nickel alloys, and chromium-iron alloys. 1,879,703; Sept. 27.
Marino, John, Newburyport, Mass. Shoe. 1,887,319; Nov. 8.
Marinoff, Stoyno. (See Roberts, William, assignor.)
Marinsky, Davis, New York, N. Y. Fastening device. Re18,406; Apr. 5.
Marinsky, Davis, New York, N. Y. Separable fastener. 1,852,176; Apr. 5.
Marinsky, Davis, New York, N. Y. Buckle. 1,878,792; Sept. 20.
Marinsky, Davis, New York, N. Y. Closure device. 1,887,940; Nov. 15.
Marinsky, Isaac, Providence, R. I. Collar stiffener device. 1,845,884; Feb. 16.

Marion, Charles E. (See Braby, Charles, assignor.)
Marion Steam Shovel Company, The. (See Fundom, Earl H., assignor.)
Marion Steam Shovel Company, The. (See Jacobs, Henry S., assignor.)
Marion Steel Body Company, The. (See Grissinger, James L., assignor.)
Marion Vault Manufacturing Company. (See Biszantz, Fred, assignor.)
Mariot, Roscoe R., Bingham, Utah. Automatic chicken feeder and light control mechanism. 1,887,770; Nov. 15.
Mariotti, Joseph J., assignor to Daprato Statuary Company, Chicago, Ill. Tabernacle. 1,842,531; Jan. 26.
Mariotti, Joseph J., assignor to Daprato Statuary Company, Chicago, Ill. Door operating mechanism. 1,874,562; Aug. 30.
Mariotti, Joseph J., assignor to Daprato Statuary Company, Chicago, Ill. Door operating mechanism. 1,875,631; Sept. 6.
Maris, Elwood S., Upper Darby, assignor to The Brown Instrument Company, Philadelphia, Pa. Relay instrument. 1,869,109; July 26.
Marischka, Carl. (See Brandl, H., and Marischka.)
Maritime Fish Corporation Limited. (See Barry, James J., assignor.)
Marjason, Sam, Stevenage, England. Slot release mechanism. 1,843,827; Feb. 2.
Mark, Clayton, jr., assignor, by mesne assignments, to Clayton Mark & Company, Chicago, Ill. Apparatus for butt welding. 1,864,139; June 21.
Mark, Clayton, & Company. (See Mark, Clayton, jr., assignor.)
Mark, Leroy, et al. (See Burger, Clarence W., assignor.)
Markart, Joseph J., Merrick, N. Y. Cigarette holder. 1,891,431; Dec. 20.
Marke, William C., Tracy, Minn. Pants or overall bottom. 1,861,704; June 7.
Markel Electric Products, Inc. (See McFadden, Glenn E., assignor.)
Markese, James. (See Alsaker, A., and Markese.)
Markey, Fred L., assignor to Dodgem Corporation, Lawrence, Mass. Amusement device. 1,839,981; Jan. 5.
Markey, Fred L., assignor to Dodgem Corporation, Lawrence, Mass. Building. Des. 87,473; Aug. 2.
Markey, Fred L., assignor to Dodgem Corporation, Lawrence, Mass. Steering wheel drive mechanism for amusement cars. 1,853,738; Apr. 12.
Markey, Fred L., Lawrence, and J. R. Stanton, Newburyport, assignors to Dodgem Corporation, Lawrence, Mass. Amusement apparatus. 1,888,005; Nov. 15.
Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Fowl cabinet. 1,843,138; Feb. 2.
Markey, George T., J. B. Olson, and R. Young, assignors to James Manufacturing Company, Fort Atkinson, Wis. Brooding cabinet. 1,843,139; Mar. 29.
Markey, Roscoe I., Nassau County, assignor to The Aviation Patent and Research Corporation, New York, N. Y. Fastening device for airplane wing covers. 1,886,708; Nov. 8.
Markey, Roscoe I., Nassau County, assignor to The Aviation Patent and Research Corporation, New York, N. Y. Airplane. 1,890,820; Dec. 13.
Markey, Roscoe I., Buffalo, assignor to The Aviation Patent and Research Corporation, New York, N. Y. Aeroplane landing ski. 1,892,064; Dec. 27.
Markey, Roscoe I., Farmingdale, assignor to The Aviation Patent and Research Corporation, New York, N. Y. Aeroplane engine mount. 1,892,065; Dec. 27.
Markham, Byron, Martinez, Calif. Four wheel attachment for trucks. 1,886,964; Nov. 8.
Markham, Charles M., Toledo, Ohio. Shore attachment. 1,842,683; Jan. 26.
Markham, Charles M., Toledo, Ohio. Column clamp. 1,842,684; Jan. 26.
Markham, Charles M., Indianapolis, Ind. Adjustable shore. 1,847,660; Mar. 1.
Markham, James E., Xenia, Ill., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Peach. Pl. Pt. 7; Feb. 16.
Markle, George B., jr., assignor to Hazleton Manufacturing Co., Hazleton, Pa. Casket. Des. 86,040; Jan. 19.
Markle, George B., jr., assignor to Hazleton Manufacturing Co., Hazleton, Pa. Casket. Des. 87,349; July 12.
Markle, Jacob E., Nashville, Tenn. Game board. Des. 87,930; Oct. 11.
Markle, Sydney H., Muskegon, Mich. Machine for making bricks and the like. 1,839,324; Jan. 5.
Marklew, Ernest G., Calcutta, India. Fishplate. 1,850,805; Mar. 22.
Markman, Fredrik, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Circuit arrangement for automatic telephone systems. 1,877,678; Sept. 13.
Markman, Milton K., Crystal Lake, Ill. Sign support. 1,857,314; May 10.
Markowitz, Joseph, Brooklyn, N. Y. Sewer pipe cleaning device. 1,844,433; Feb. 9.
Markowski, Joseph, Chicago, Ill. Spark plug. 1,892,355; Dec. 27.
Marks, Charles, Philadelphia, Pa. Child's school brief case. 1,851,918; Mar. 29.
Marks, Charles, and C. S. Bruder, Philadelphia, Pa. Writing guiding machine. 1,871,541; Aug. 16.

Marks, Edward S. (See Murphy, R., and Marks.)
Marks, Edward S., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Line air cooled internal combustion engine. 1,869,206; July 26.
Marks, Edward S., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Air cooling system for aeroplane engines. 1,876,996; Sept. 13.
Marks, Elbert L., Washington, D. C. Anchoring device for article containers. 1,847,099; Mar. 1.
Marks, Hector E., assignor to Mack Marks, Sewickley, Pa. Paper bath. 1,870,461; Aug. 9.
Marks, Isidore, Boston, Mass. Sound indicator for film footage. 1,841,745; Jan. 19.
Marks, Isidore, assignor to Keystone Mfg. Co., Boston, Mass. Projection light intensity control mechanism. 1,889,149; Nov. 29.
Marks, J. Glenn. (See DeWitt, William H., assignor.)
Marks, James H., assignor to Packard Motor Car Company, Detroit, Mich. Horn bell. Des. 86,530; Mar. 15.
Marks, James H., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,872,478; Aug. 16.
Marks, Lionel S., Cambridge, Mass. Reaction gas turbine. 1,853,869; Apr. 12.
Marks, Mary H. (See Land, George E., assignor.)
Marks, Mary H. (See Marks, Herbert E., assignor.)
Marks, Mary Haines. (See Jarvis, Walter D., assignor.)
Markus, Benjamin, Oak Park, Ill., assignor to H. P. Watson, Minneapolis, Minn. Drinking water cooling and dispensing apparatus. 1,868,837; July 26.
Markus, Charles W., committee. (See Silberstein, Ludwik.)
Markutsis, Lula, Frederick, Colo. Protector for bed quilts. 1,844,291; Feb. 9.
Marland, Josiah, and C. A. Griffith, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Grease gun. 1,875,745; Sept. 6.
Marlatt, George E., Pickerel Lake, S. D., and Marlatt, George E., Pasadena, Calif. Melting pot for slug casting machines. 1,850,517; Jan. 12.
Marlatt, George E., Pasadena, Calif. Typographical slug casting machine. 1,871,330; Aug. 9.
Marler, Eva, assignor to O. J. and E. F. Grace, Oklahoma City, Okla. Oil well control. 1,884,040; Oct. 25.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Engine control mechanism. 1,846,476; Jan. 26.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Steering gear. 1,847,721; Mar. 1.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Steering control. 1,862,602; June 14.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Roller bearing cage. 1,881,804; Oct. 11.
Marles, Henry, assignor, by mesne assignments, to Gemmer Manufacturing Company, Detroit, Mich. Steering gear. 1,882,848; Oct. 18.
Marley, Edward, New York, N. Y., assignor to Standard Shipping Company. Tank washing machine. 1,884,041; Oct. 25.
Marley, Wilfrid, Workington, Cumberland, England. Operating gear for furnace bells. 1,885,531; Nov. 1.
Marlin, Elmer E., Detroit, Mich. Testing machine. 1,840,118; Jan. 5.
Marlin, Elmer E., Detroit, Mich. Measuring device. 1,867,967; July 12.
Marlin, Elmer E., Detroit, Mich. Indicator. 1,884,042; Oct. 25.
Marlin Firearms Company. (See Ekdahl, Carl E., assignor.)
Marlin-Rockwell Corporation. (See Cummings, Lloyd A., assignor.)
Marlor, Henry S. (See Hopwood, W. B., and Marlor.)
Marlow, Thomas. (See Spate, E. T., Clapper, and Marlow.)
Marlowe, Emory C. (See Prather, T. P., and Marlowe.)
Marmion, Thomas A., New York, N. Y. Spinning top. 1,889,680; Nov. 29.
Marmonier, Louis, Lyon, France. Stabilizing apparatus for aeroplanes. 1,876,254; Sept. 6.
Marney, Arthur, Venice, Calif. Aeroplane. 1,851,857; Mar. 29.
Marogg, Richard, assignor to Autograf Tooth Brush Co., Inc., Troy, N. Y. Bristling machine. 1,891,236; Dec. 20.
Marple, Rollo, assignor to Hancock Manufacturing Co., Jackson, Mich. Doorlock operator. 1,887,655; Nov. 15.
Marples, Stephen A., London, England. Advertising clock. 1,876,997; Sept. 13.
Marpocel Products, Incorporated. (See Jantzen, F., and Lynch, assignors.)
Marquardt Company. (See Marquardt, Reinbold W., assignor.)
Marquardt, Frank C., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Ink mixer. 1,872,312; Aug. 16.
Marquardt, Frank C., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Rotary printing machine. 1,876,255; Sept. 6.
Marquardt, Reinhold G., assignor to Marquardt Company, Milwaukee, Wis. Wire spring cushion and making the same. 1,876,429; Sept. 6.
Marquardt, Reinhold W., assignor to Marquardt Company, Milwaukee, Wis. Bed bottom. 1,839,325; Jan. 5.
Marquart, Edwin E., Findlay, Ohio. Cooking utensil. 1,862,602; June 14.
Marquet, Léon, LaGarenne, assignor of one-half to Louis Massuger, LeVesinet, Seine-et-Oise, France. Fastening device, more specially for hoods. 1,883,804; Oct. 18.
Marquette Manufacturing Company. (See Freeman, Will, assignor.)
Marquette Tool & Mfg. Company. (See Rode, Fredrich J., assignor.)
Marquis, Charles F., Schenectady, N. Y., assignor to General Electric Company. Machine tool dead center. 1,891,102; Dec. 13.
Marquis, Edgar F., Oakland, Calif. Bracket. 1,861,220; May 31.
Marr, Arthur N., Leeds, England. Machine for drying yarn or other textile materials in hanks and loops. 1,872,777; Aug. 23.
Marr, Arthur P. (See Marr, George M. and A. P.)
Marr, George M. and A. P., New York, N. Y. Visible whistle. 1,867,165; July 12.
Marr, George M., Woodhaven, and A. P. Marr, assignors to Walter Kidde & Company, Inc., New York, N. Y. Valve. 1,879,382; Sept. 27.
Marr, Philip M. (See Mewmaw, Freddie B., assignor.)
Marr, William S., Nutley, N. J., assignor to Bakeries Service Corporation, New York, N. Y. Blank and collapsible box formed therefrom. 1,864,081; June 21.
Marrero, James P., New Orleans, La. Pneumatic locking inflating tube for inflatable bodies. 1,863,119; June 14.
Marrill Aircraft Company. (See Ballou, John M., assignor.)
Marrion, Nicholas, New York, N. Y. Change carrier. 1,861,020; May 31.
Marriott, Alexander D. (See Finney, J. H. V., and Marriott.)
Marriott, Alexander D., Denver, Colo., assignor, by mesne assignments, to The Denver Company, Inc., New York, N. Y. Classifier. 1,870,371; Aug. 9.
Marris, George C., London, G. B. Polygreen, Wembley, and S. V. Williams, Kenton, England. Manufacture of nickel iron alloys. 1,878,589; Sept. 20.
Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 1,841,489; Jan. 19.
Marrison, Warren A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,847,124; Mar. 1.
Marrison, Warren A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric wave signaling system. 1,847,190; Mar. 1.
Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric resonator. 1,869,160; July 26.
Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency control method and system. 1,881,810; Oct. 11.
Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency control system. 1,882,849; Oct. 18.
Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency producer. 1,882,850; Oct. 18.
Marrison, Warren A., Orange, and J. W. Horton, Millburn, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Speed and position control for television apparatus. 1,860,935; May 31.
Marrison, Warren A., Orange, N. J., and J. W. Horton, Cambridge, Mass., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical control system. 1,860,936; May 31.
Marrone, Constantine, and Frank Mulkern, Pittsburgh, Pa. Pipe hanger. 1,850,021; Mar. 15.
Marryatt, Ainsley D., and G. H. Metzler, Quarry Heights, Northcastle, N. Y. Automobile sanding device. 1,886,006; Nov. 15.
Marsa, Melchor, Brooklyn, assignor to Winna Manufacturing Corporation, New York, N. Y. Window ventilator. 1,862,815; Sept. 6.
Marsack, Max, Sheboygan, Wis. Mattress. 1,859,340; May 24.
Marsack, Max, Sheboygan, Wis. Mattress. 1,859,341; May 24.
Marsan, Adélard, Bondsville, Mass. Airplane. 1,849,547; Mar. 15.
Marschall, Rudolf, and T. Greensand, Stockton, Calif. Combination hoist and wire stretcher. 1,855,641; Apr. 26.
Marschke, Berthold V. (See Marschke, Reinhold B., assignor.)
Marschke, Reinhold B., assignor to B. V. Marschke, St. Paul, Minn. Window. 1,855,806; Apr. 26.
Marsden, George W. E. (See Heerdt, G. H., and Marsden.)
Marsden, William H. R., Pittsburgh, and L. E. Osborne, deceased, Allegheny County, by Z. G. Osborne, executrix, Bellevue, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 1,870,015; Aug. 2.

Marcellus, John C. Syracuse, N. Y. Burial casket. Des. 56,534; Mar. 15.

Marsene Products Co. (See Kratz, Edouard M., assignor.)

Marsh, Alpha L. (See Fleischmann, F. A., and Marsh.)

Marsh, Austin F., and A. Bilick, Springfield, Ill. Bending tool. 1,869,905; Aug. 2.

Marsh, C. A., & Co. (See Bowen, Daniel V., assignor.)

Marsh, Claude K., assignor of one-tenth to E. A. Fledger, Atlanta, Ga. Card or sign display mechanism. 1,861,235; May 31.

Marsh, Edgar, Navego, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Apparatus for filling valve bags. 1,864,545; June 28.

Marsh, Floyd D. (See Barrows, V., and Marsh.)

Marsh, Hallan N., Los Angeles, Calif. Load balancing crank. 1,866,049; July 5.

Marsh, Harry E., Chicago, Ill. Window display sheet. 1,850,237; Mar. 22.

Marsh, Harry V., Chicago, Ill. Placard. 1,860,547; May 31.

Marsh, Harry V., Chicago, Ill. Can display easel. 1,865,534; July 5.

Marsh, Harry V., Chicago, Ill. Easel. 1,865,934; July 5.

Marsh, Harry V., Chicago, Ill. Advertising display. 1,880,099; Sept. 27.

Marsh, Henry S., and C. W. Wessner, Youngstown, Ohio, assignors to Sharon Steel Hoop Company, Sharon, Pa. Making soluble ferric sulphate. 1,880,265; Oct. 4.

Marsh, Homer D. (See Adams, Norman W., assignor.)

Marsh, Howard E., Lompoc, Calif. Hydraulic brake mechanism. 1,846,886; Feb. 23.

Marsh, Jas. P., & Company. (See Faber, Guy S., assignor.)

Marsh, Jas. P., & Company. (See Joyce, Harold L., assignor.)

Marsh, Jas. P., Corporation. (See Carson, Robert H., assignor.)

Marsh, Jas. P., Corporation. (See Faber, Guy S., assignor.)

Marsh, Jas. P., Corporation. (See Rose, Alexander D., assignor.)

Marsh, Jas. P., Corporation. (See Thompson, Orville W., assignor.)

Marsh, John D., assignor of one-half to D. A. Henderson, Los Angeles, Calif. Ant jar. 1,887,771; Nov. 15.

Marsh, Mabel, Morristown, N. J. Umbrella for carrying overshoes. 1,859,627; May 24.

Marsh, Robert, Buffalo, N. Y. Automobile signal switch. 1,872,124; Aug. 16.

Marsh, Samuel R., New York, N. Y. Hydraulic shock absorber. 1,862,228; June 7.

Marsh Stencil Machine Company. (See Marsh, Walton C., assignor.)

Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Fountain marker. 1,857,467; May 10.

Marsh, William H., Providence, R. I. Roll holder. 1,859,024; Nov. 29.

Marshall, Adam, Newark, N. J. Arch support. 1,890,910; Dec. 13.

Marshall, Albert E., Baltimore, Md., assignor to Corning Glass Works, Corning, N. Y. Vacuum tube and mounting. 1,850,559; Mar. 22.

Marshall, Albert E., Baltimore, Md., assignor to Fluid Heat, Incorporated. Oil burning apparatus. 1,858,302; May 17.

Marshall, Albert E., Scarsdale, assignor to Columbian Carbon Company, New York, N. Y. Activating carbon. 1,859,450; May 24.

Marshall, Alvis T. (See Noisworthy, Frederick E., assignor.)

Marshall, Anthony L., et al. (See Lieske, Frank J., assignor.)

Marshall, Arnold C., assignor to The Steel Scaffolding Company Limited, London, England. Clip for guardboards of scaffolds and the like. 1,857,159; May 10.

Marshall, Arnold C., assignor to The Steel Scaffolding Company Limited, London, England. 1,858,021; May 10.

Marshall, Arnold C., assignor to The Steel Scaffolding Company Limited, London, England. Clamp for scaffolding for building and other purposes. 1,860,839; May 31.

Marshall, Arnold C., assignor to Messrs. Steel Scaffolding Company, Limited, London, England. Joint or connection for tubular bodies. 1,860,866; May 31.

Marshall, Charles O., jr., Pottstown, Pa. Dairy equipment. 1,863,603; June 21.

Marshall, Charles D., Pittsburgh, assignor to McClintic-Marshall Corporation, Bethlehem, Pa. Mechanism for riveting columns, beams, etc. 1,886,892; Nov. 8.

Marshall, Charles O. (See Reeves, O. C., and Marshall.)

Marshall, Charles O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,865,326; June 28.

Marshall, Charles O., assignor to The Willys-Overland Company, Toledo, Ohio. Balancing device. 1,871,899; Aug. 16.

Marshall, Charles O., and H. O. Hem, assignors to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,878,160; Sept. 20.

Marshall, Clyde R., Cedar Rapids, and F. D. Marshall, Center Point, Iowa. Hose reel. 1,886,207; Nov. 1.

Marshall, Edna H., Jerseyville, Ill. Garden hat. Des. 87,999; Oct. 18.

Marshall, Enoch, assignor of one-half to Enoch Malinowski, Manville, N. J. Automatic fire alarm switch. 1,879,383; Sept. 27.

Marshall Field & Company. (See Blayney, Wilson L., assignor.)

Marshall Field & Company. (See Dufour, George H., assignor.)

Marshall Field Mills Corporation. (See Clark, Eugene F., assignor.)

Marshall, Frank D. (See Marshall, C. K., and F. D.)

Marshall, Frank J., Easton, Pa., assignor to L. G. Marshall, Springfield, Mass. Mill. 1,840,061; Feb. 23.

Marshall, Fred, Burley-in-Wharfedale, England. Garden frame. 1,887,815; Nov. 15.

Marshall, Fred C., and J. L. Newport, Said Marshall assignor to M. Hanrahan, Pasadena, Calif. Cord anchoring device. 1,865,935; July 5.

Marshall, Frederick, Pittsburgh, Pa. Heating bag. 1,891,001; Dec. 13.

Marshall, Hamilton L. J., Montgomery, Ala. Comb. 1,851,859; Mar. 29.

Marshall, Hamilton L. J., Pe-ote, Ala., assignor to Marshall-ene Cosmetic Company, Apparatus for straightening curly hair. 1,851,858; Mar. 29.

Marshall, Harold T., assignor to The Kendall Company, Walpole, Mass. Cloth package and producing the same. 1,858,812; May 31.

Marshall, Helen M. (See Marshall, Matthew M., assignor.)

Marshall, Henry H., Highland Park, assignor to Brunswick-Kroeschell Company, New Brunswick, N. J. Refrigerating system. 1,858,517; May 17.

Marshall, James E., Amarillo, Tex. Combined inclinometer and compass. 1,860,259; May 24.

Marshall, James G., Niagara Falls, assignor to Electro Metallurgical Company. Apparatus for feeding electric furnace electrodes. 1,892,109; Dec. 27.

Marshall, Jerry R. (See Hass, H. B., and Marshall.)

Marshall, John R. (See Palmer, Frank L., assignor.)

Marshall, Leon H., Santa Cruz, Calif. Swimming board. 1,843,017; Feb. 2.

Marshall, Leonard J., Leonia, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Bent tube boiler. 1,872,094; Aug. 16.

Marshall, Leslie H., assignor to The Technimet Company, Columbus, Ohio. Formation of aluminum alloy coatings. 1,853,369; Apr. 12.

Marshall, Leslie H., assignor to The Technimet Company, Columbus, Ohio. Formation of silicon alloy coatings. 1,853,370; Apr. 12.

Marshall, Lewis C., Walpole, Mass., assignor, by mesne assignments, to The Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Piston packing for internal combustion engines. 1,877,413; Sept. 13.

Marshall, Lewis C., Walpole, Mass., assignor, by mesne assignments, to the Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Piston packing. 1,877,414; Sept. 13.

Marshall, Lucy G. (See Marshall, Frank J., assignor.)

Marshall, Margaret, Vancouver, British Columbia, Canada. Vacuum cleaner. 1,849,087; Oct. 4.

Marshall, Matthew M., assignor to H. M. Marshall, New York, N. Y. Vent relief valve. 1,856,492; May 3.

Marshall, Roy, and J. E. Dixon, assignors to James Manufacturing Company, Fort Atkinson, Wis. Stall partition. 1,841,141; Jan. 12.

Marshall, Sons and Company, Limited. (See Dawson, Samuel H. W., assignor.)

Marshall, Tola A., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,890,523; Dec. 13.

Marshall, Walter C., Milwaukee, Wis. Refrigerator. 1,864,140; June 21.

Marshall, Walter D., assignor to Eastman Kodak Company, Rochester, N. Y. Sound and picture film and making same. 1,849,459; Jan. 12.

Marshall, William C., and J. H. Turner, Niceville, Fla. Door or window casement catch. 1,889,681; Nov. 29.

Marshallene Cosmetic Company. (See Marshall, Hamilton L. J., assignor.)

Marshalltown Manufacturing Company. (See Ruopp, George F., assignor.)

Marsham, Homer J. (See Jeffrey, D. C., and Marsham.)

Marshburn, Preston W., assignor to Northam Warren Corporation, New York, N. Y. Decalcomania. 1,889,484; Nov. 29.

Marshburn, Preston W., New York, and M. T. Brekke, Scarsdale, assignors to Northam Warren Corporation, New York, N. Y. Bottle. Des. 87,397; July 19.

Marsilio, Lawrence, et al. (See Foti, Charles, assignor.)

Marsilius, Newman M., assignor, by mesne assignments, to The Producto Machine Company, Bridgeport, Conn. Milling machine. 1,865,198; June 28.

Marsilius, Newman M., assignor to the Producto Machine Company, Bridgeport, Conn. Cam milling machine. 1,881,794; Oct. 11.

Marsilius, Newman M., and O. A. Olsen, assignors, by mesne assignments, to The Producto Machine Company, Bridgeport, Conn. Milling machine. 1,860,840; May 31.

Marsilius, Newman M., Bridgeport, and O. A. Olsen, Stratford, assignors to The Products Machine Company, Bridgeport, Conn. Milling machine. 1,868,016; July 19.

Marson, Clifford J., Cambridge City, Ind. Folding chair. 1,842,793; Jan. 26.

Marsteller, Lester O., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shielded loop. 1,877,346; Sept. 13.

Marston, Horace A., Sutton, England. Burner for pulverized fuel. 1,841,831; Jan. 19.

Mart, Leon T., Kansas City, Mo. Cooling tower. 1,855,526; Apr. 26.

Martel, Gustave J., New York, N. Y. Cigar and cigarette lighter. 1,865,199; June 28.

Martell, Albert A., assignor to Martell Manufacturing Company, Woonsocket, R. I. Grinding device. 1,873,612; Aug. 23.

Martell, Charles F. (See Witke, A., Huetten, Rosemann, Molling, and Martell.)

Martell, Forrest H., assignor to S. M. Siegel Co., Milwaukee, Wis. Structural steel wrapping spacer. 1,858,836; May 17.

Martell Manufacturing Company. (See Martell, Albert A., assignor.)

Martell, Philip J., and W. B. McMurray, Maryville, Tenn. Gas speed toaster. 1,891,825; Dec. 20.

Martellotti, Mario E. (See Ernst, R., and Martellotti.)

Martenot, Maurice L. E., Neuilly-sur-Seine, France. Electrical musical instrument. 1,853,630; Apr. 12.

Martens, Ernest J., St. Louis, Mo. Plait beading. 1,860,110; May 24.

Martens, Frederick J., and C. Thompson, Milwaukee, Wis. Propeller. 1,886,889; Nov. 5.

Martens, John B., assignor of one-half to Andrew Main, Cleveland, and one-half to E. G. Bradley, Cuyahoga Falls, Ohio. Bathtub support. 1,852,514; Oct. 11.

Martens, Rose H., Copley, Ohio. Lingerie clasp. 1,869,601; Aug. 2.

Martens, Rudolph M., West Roxbury, Mass. Triple-lock transfer switch. 1,846,344; Feb. 23.

Marter, Richard G., assignor to National Enameling & Stamping Company, Milwaukee, Wis. Strainer. 1,885,850; Nov. 1.

Marthinsen, Mads, Michigan City, Ind. Vehicle antiskid device. 1,845,924; Feb. 16.

Martí, Fritz, la Chaux-de-Fonds, Switzerland. Drive control system for clockworks, meters, and the like. 1,860,260; May 24.

Martí, Fritz, assignor to Societe Anonyme les Fils de L. Braunschweig Fabrique Election, La Chaux-D-Fonds, Switzerland. Resilient pivot bearing. 1,845,430; Feb. 16.

Martí, Othmar K. (See Sindeband, M. L., and Martí.)

Martí, Othmar K., Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Solid electrode cell for rectifiers. 1,873,973; Aug. 30.

Martí, Othmar K., and H. Winograd, Haddonfield, and W. R. Carroll, Camden, N. J., assignors, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Automatic circuit breaker reclosing system. 1,873,970; Aug. 30.

Martin, Abraham. (See Pascoe, H. B., and Martin.)

Martin Air Dog Company. (See Martin, Frederick E., assignor.)

Martin, Alfred M., Chicago, Ill. Partition sheet. 1,854,751; Apr. 19.

Martin, Alfred M., Chicago, Ill. Partition sheet for binders. 1,876,998; Sept. 13.

Martin, Archworth. (See Sievern, Fredrick, assignor.)

Martin, Arthur R., Destrehan, La., P. J. Kelly and K. H. Repath, Tampico, Mexico, assignors to Pan American Petroleum & Transport Company, Wilmington, Del. Sweetening hydrocarbon oils. 1,858,635; May 17.

Martin Brothers Electric Company. (See Martin, Wendell L., assignor.)

Martin, Carl A., and W. Orth, Genoa, Calo. Thermostatic control device for carburetors. 1,841,749; Jan. 19.

Martin, Charles A. (See Hildebrandt, E. A., and Martin.)

Martin, Charles A., assignor to Anchor Fireproofing Company, Detroit, Mich. Roof and floor construction. 1,864,025; June 21.

Martin, Charles C., assignor to The Louden Machinery Company, Fairfield, Iowa. Conductor support. 1,886,709; Nov. 8.

Martin, Charles H., West Springfield, Mass. Fifth wheel appurtenance. 1,863,120; June 14.

Martin, Charles H., assignor of one-third to L. M. Kane and one-third to A. Frediana, Los Angeles, Calif. Printing press attachment. 1,861,411; May 31.

Martin-Copeland Company. (See Jacobson, Bror J., assignor.)

Martin-Copeland Company. (See Lasher, Harry L., assignor.)

Martin-Copeland Company. (See Smith, Henry M., assignor.)

Martin, Daniel, Milwaukee, Wis. Traction wheel. 1,849,678; Mar. 15.

Martin, David, assignor to The Globe Steel Abrasive Company, Mansfield, Ohio. Making metal abrasive material. 1,886,285; Nov. 1.

Martin, David W., Drexel Hill, and J. J. Whalin, Philadelphia, Pa., assignors to General Electric Company. Apparatus for treating metal coated parts. 1,850,762; Mar. 22.

Martin-Decker Corporation. (See Martin, Walter R., assignor.)

Martin, DeLoss K., West Orange, N. J., assignor to American Telephone and Telegraph Company. System for producing high voltage direct currents. 1,874,563; Aug. 30.

Martin, E. T., et al., trustees. (See Martin, Edward T., assignor.)

Martin, Edward J. (See Asire, H. W., Perkins, and Martin.)

Martin, Edward J., assignor to General Motors Research Corporation, Detroit, Mich. Engine indicator and spark plug. 1,861,021; May 31.

Martin, Edward T., Long Beach, assignor to C. E. Chenoweth, Glendale, E. T. Martin, Long Beach, and G. J. Wiggenborn, Pasadena, Calif., trustees. Water purifier and softener. 1,889,485; Nov. 29.

Martin, Elmer R., Springfield, assignor to The Williams Company, London, Ohio. Pad making machine. 1,859,310; May 24.

Martin, Emil F., Detroit, Mich. Propeller. 1,881,365; Oct. 4.

Martin, Emmet G., assignor of one-fourth to T. D. Corcoran, one-fourth to M. W. Hard, and one-fourth to L. A. Wolff, Los Angeles, Calif. Tile roof construction. 1,854,660; Apr. 19.

Martin, Fay H., Woonsocket, R. I., assignor, by mesne assignments, to Whitin Machine Works, Whitinsville, Mass. Creel. 1,891,432; Dec. 20.

Martin, Fay H., Woonsocket, R. I., assignor, by mesne assignments, to Whitin Machine Works, Whitinsville, Mass. Creel. 1,891,433; Dec. 20.

Martin, Frank D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling material. 1,850,591; Mar. 22.

Martin, Frederick E. Berkeley, assignor to Martin Air Dog Company, San Francisco, Calif. Dogging device for sawmill carriages. 1,840,846; Jan. 12.

Martin, George, et al. (See Chambers, Robert M., assignor.)

Martin, Georges L. J., Courbevoie, assignor to Etablissements Aera, Paris, France. Magnetic compass compensating device. 1,881,207; Oct. 4.

Martin, Glenn L., Company, The. (See Andrake, Andrew A., assignor.)

Martin, Glenn L., Co., The. (See Chevrolet, Louis, and C. L., assignors.)

Martin, Glenn L., Company. (See Milburn, Lessiter C., assignor.)

Martin, Glenn L., Co., The. (See Van Dusen, C. A., and House, assignors.)

Martin, Guy T., assignor to Fluor Construction Co., Los Angeles, Calif. Atmospheric cooling tower. 1,874,020; Aug. 30.

Martin, Harold. (See Steele, L. J., and Martin.)

Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,869,207; July 26.

Martin, Harold T., East Orange, and F. A. Hoyt, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling device. 1,861,221; May 31.

Martin, Harry H., et al. (See Greenlee, Eli M., assignor.)

Martin, Harry L., Cartierville, Quebec, Canada. Utensil holder. 1,861,808; June 7.

Martin, Henry F., assignor to Detroit Hoist and Machine Co., Detroit, Mich. Transfer crane locking and safety device. 1,881,087; Oct. 4.

Martin, Horace G., jr., New York, N. Y. Electric lamp. 1,883,803; Oct. 18.

Martin, Ira T., San Francisco, Calif. Stack draft control apparatus. 1,851,318; Mar. 29.

Martin, Irl C., assignor to Woodward Governor Company, Rockford, Ill. Drive for the speed governor of a prime mover. 1,884,043; Oct. 25.

Martin, Irvin L., Denver, Colo. Incubator. 1,878,503; Sept. 20.

Martin, Jacob F. (See Barker, Eros V., assignor.)

Martin, James, Higher Denham, England. Frame-like structure for vehicles, aircraft and other conveyers. 1,867,226; July 12.

Martin, James P., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Pin for chain. 1,878,867; Sept. 20.

Martin, James V., Garden City, N. Y. Motor cooling device. 1,847,093; Mar. 1.

Martin, James V., Garden City, N. Y. Aeroplane wing structure. 1,847,094; Mar. 1.

Martin, James V., Garden City, N. Y. Aeroplane air pressure restricting device. 1,854,706; Apr. 19.

Martin, James V., Garden City, N. Y. Tire. 1,862,693; June 14.

Martin, James W., assignor to Lone Star Gas Company, Dallas, Tex. Cabinet. 1,874,776; Aug. 30.

Martin, James W., jr., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,877,187; Sept. 13.

Martin, James W., jr., Yonkers, assignor to Dryice Corporation of America, New York, N. Y. Carbon dioxide ice apparatus and process. 1,887,692; Nov. 15.

Martin, James W., jr., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,887,693; Nov. 15.

Martin, Jean, St. Ouen, France. Fire extinguisher. 1,856,575; May 3.

Martin, Jerome. (See Woodruff, J. C., Martin, and Krchma.)

Martin, Jerome, and L. C. Swallen, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of methylamine. 1,875,746; Sept. 6.

Martin, Jerome, and L. C. Swallen, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of methylamine. 1,875,747; Sept. 6.

Martin, Jerome, Terre Haute, Ind., and I. J. Krchma, Baltimore, Md., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Catalyst for the preparation of esters. 1,860,761; Aug. 2.

Martin, Jerome, Terre Haute, Ind., and I. J. Krchma, Baltimore, Md., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Catalyst for the preparation of esters. 1,860,762; Aug. 2.

Martin, Jesse, Robstown, Tex. Cotton picker. 1,845,431; Feb. 16.

Martin, Jesse A., Los Angeles, Calif. Portable furnace. 1,850,466; Mar. 22.

Martin, Jesse C., jr., San Francisco, Calif. Valve. 1,851,259; Mar. 29.

Martin, Jesse C., jr., San Francisco, Calif. Valve. 1,861,747; June 7.

Martin, Jesse C., jr., Los Angeles, Calif. Flange and connection for tubular heating elements. 1,862,796; June 14.

Martin, Jesse C., jr., Los Angeles, Calif. Boiler. 1,863,931; Nov. 1.

Martin, Jesse C., jr., Los Angeles, Calif. Self supporting water bottom. 1,885,932; Nov. 1.

Martin, Jesse C., jr., San Francisco, Calif., assignor to Walworth Patents Inc., Boston, Mass. Plug cock and means for turning same. 1,890,524; Dec. 13.

Martin, John A., Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Gear shifting mechanism. 1,860,196; May 24.

Martin, John F. (See Lang, G. J., and Martin.)

Martin, John F., Springfield, Mass. Self-locking nut and screw. 1,875,930; Sept. 6.

Martin, John F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Interrupter gear housing. 1,858,670; May 17.

Martin, John F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Magneto. 1,887,320; Nov. 8.

Martin, John F., assignor to United American Bosch Corporation, Springfield, Mass. Ignition governor. 1,858,925; May 17.

Martin, John R., Houston, Tex., assignor of one-third to R. L. Waxler, Harris County, Tex. High pressure safety valve. 1,849,967; Jan. 12.

Martin, John R., and W. E. King, assignors of one-half to said Martin and one-half to J. S. Abercrombie, Houston, Tex. Well strainer. 1,856,817; May 3.

Martin, John W., Amorita, Okla. Trap set. 1,858,713; May 17.

Martin, Joseph, New York, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Combination couch and bed. 1,849,023; Mar. 8.

Martin, Joseph H., Seattle, Wash. Fishing lure. 1,846,130; Feb. 23.

Martin, Joseph H., Seattle, Wash. Trolling lure. 1,852,620; Apr. 5.

Martin, Joseph J., assignor of one-half to H. Burris, New Castle, Ind. Clutch construction. 1,865,936; July 5.

Martin, Jules, dit Gaudit, Paris, France. Dyeing and printing process. 1,868,447; July 26.

Martin, Kingsley L., Montclair, N. J. Water tube boiler. 1,854,947; Apr. 19.

Martin, La Velle A. (See West, F. L., and Martin.)

Martin, Lawrence P., and D. E. MacQueen, assignors to The Dow Chemical Company, Midland, Mich. Preparation of benzyl-alkyl aniline. 1,887,772; Nov. 15.

Martin, Lawrence P., and A. Elston, assignors to The Dow Chemical Company, Midland, Mich. Preventing the decomposition of carbon tetrachloride and product thereof. 1,858,022; May 10.

Martin, Leo L., Seattle, Wash. Electric clothes drier. 1,886,286; Nov. 1.

Martin, Louis L., Toronto, Ontario, Canada. Tobacco pipe. 1,877,925; Sept. 20.

Martin, Mark H., Reading, Pa. Center sill. 1,881,797; Oct. 11.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Car end structure. 1,850,283; Mar. 22.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Railway car truck. 1,863,063; June 14.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Cast steel underframe for railway cars. 1,863,311; June 14.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. End sill structure. 1,881,795; Oct. 11.

Martin, Mark H., Reading, Pa., assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Truck bolster. 1,881,796; Oct. 11.

Martin, Mark H., Reading, Pa., assignor to T. H. Symington & Sons, Inc., Baltimore, Md. Auxiliary spring mechanism for trucks. 1,883,385; Oct. 18.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Side frame. 1,891,938; Dec. 27.

Martin, Mark H., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Side frame. 1,859,403; May 24.

Martin, Mark H., assignor to T. H. Symington & Son, inc., Baltimore, Md. Depending bearing element mounting. 1,863,121; June 14.

Martin, Mark H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Auxiliary spring mechanism for trucks. 1,883,742; Oct. 18.

Martin, Michael A. (See Kuebler, C. A., and Martin.)

Martin, Michael J., Armadale, Victoria, and W. R. Terry, Kooyong, Victoria, assignors to Filtration and Water Softening Proprietary Limited, Melbourne, Australia. Filtration of water. 1,883,805; Oct. 18.

Martin, Moulet & Cie. (See Moulet, Jean L. L. A. A., assignor.)

Martin, Otto J. T. G. R., Vancouver, British Columbia, assignor to A. C. Hutton and A. S. Pither, Vancouver, Canada. Agitator. 1,853,067; Apr. 12.

Martin, Otto V., Sand Springs, Okla., assignor to The Texas Company, New York, N. Y. Apparatus for lifting liquid from wells. 1,845,675; Feb. 16.

Martin, Otto V., Sand Springs, Okla., assignor to The Texas Chemical Products Company, New York, N. Y. Anhydrous metallic chlorides and their preparation. 1,877,753; Sept. 13.

Martin, Otto V., Tulsa, Okla., assignor, by mesne assignments, to Texaco Salt Products Company, New York, N. Y. Preparing calcium chloride. 1,869,906; Aug. 2.

Martin, Otto V., Tulsa, Okla., assignor to Texaco Salt Products Company, New York, N. Y. Preparing calcium chloride. 1,875,070; Aug. 30.

Martin, P. G. (See Rumble, Walter H., assignor.)

Martin-Parry Corporation. (See Buquor, Adolph P., assignor.)

Martin-Parry Corporation. (See Moore, P. B., and Lewis, assignors.)

Martin-Parry Corporation. (See Small, Frederick M., assignor.)

Martin-Parry Corporation. (See Voss, William O., assignor.)

Martin, Patrick A., Birmingham, England. Golf bag. 1,844,068; Feb. 9.

Martin, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic device. 1,888,731; Nov. 22.

Martin, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,890,525; Dec. 13.

Martin, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,891,026; Dec. 13.

Martin, Percy, Coventry, assignor to The Daimler Company, Limited, Coventry, Warwickshire, England. Power transmission mechanism. 1,885,746; Nov. 1.

Martin, Perry S., Harrisonburg, Va. Manifold. 1,856,963; May 3.

Martin, Perry S., Harrisonburg, Va. Ventilating device. 1,888,425; Nov. 22.

Martin, Rachel M. (See Muhleisen, Henry W., assignor.)

Martin, Rhetherford B., Roselle, N. J., assignor to American Cyanamid Company, New York, N. Y. Mineral concentration. 1,874,604; Aug. 30.

Martin, Robert, Spondon, near Derby, England, assignor to Celanese Corporation of America. Safety device. 1,886,785; Oct. 25.

Martin, Robert P., assignor of one-fourth to H. Byford, Seattle, Wash. Power hammer. 1,887,980; Nov. 15.

Martin, Rudolf, Berlin-Charlottenburg, assignor to Jean Bergmann, Berlin-Wannsee, Germany. Calculating machine. 1,862,901; June 14.

Martin Schwartz, Inc. (See Nelson, David J., assignor.)

Martin & Schwartz, Inc. (See Schwartz, R. L., and Martin, assignors.)

Martin, Stephen M. (See Holmes, J. F., and Martin.)

Martin, Stephen M., Bridgeport, Conn., assignor, by mesne assignments, to J. F. Holmes, New York, N. Y. Mechanical refrigerating system. 1,846,062; Feb. 23.

Martin, Stephen M., Bridgeport, Conn., assignor, by mesne assignments, to J. F. Holmes, New York, N. Y. Mechanical refrigerating system. 1,846,131; Feb. 23.

Martin, Teresa, et al. (See Chambers, Robert M., assignor.)

Martin, Thomas J., assignor to Superior Meter Company, Brooklyn, N. Y. Meter protecting device. 1,875,073; Aug. 30.

Martin, Verner L., Mount Hope, W. Va. Brake adjusting gauge. 1,861,638; June 7.

Martin, Verner L., Mount Hope, W. Va. Mine track clearer. 1,861,639; June 7.

Martin, Vernon V., Indianapolis, Ind. Cooky display jar. 1,883,806; Oct. 18.

Martin, Walter R., assignor to Martin-Decker Corporation, Long Beach, Calif. Tension indicator. 1,872,087; Aug. 16.

Martin, Wendell L., assignor to The Martin Brothers Electric Company, Cleveland, Ohio. Apparatus for therapeutic and other purposes. 1,858,714; May 17.

Martin, William A., Brooklyn, N. Y. Hydraulic wheel. 1,866,476; July 5.

Martin, William A., Amarillo, Tex. Cultivator. 1,868,330; July 19.
Martin, William F., Madison, Kans. Tongs. 1,857,925; May 10.
Martin, William H., Canton, Ohio. Multiple motor. 1,854,707; Apr. 19.
Martin, William P. (See Schwartz, R. L., and Martin.)
Martin, William S., assignor to The North Carolina Granite Corporation, Mount Airy, N. C. Apparatus for rifting granite or analogous stone. 1,890,157; Dec. 6.
Martindale, Homer D., Middletown, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making machinery. 1,852,177; Apr. 5.
Martindale, Frank, Western Springs, Ill. Toy machine gun. Des. 86,887; May 3.
Martindell, Minton H., assignor to Joseph Stokes Rubber Company, Trenton, N. J. Mold with ejector. 1,875,071; Aug. 30.
Martindell, Robert. (See Saunders, W. S., and Martindell.)
Martindill, Donald M., Youngstown, Ohio. Brake booster for motor vehicles. 1,848,896; Mar. 8.
Martineck, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar article. Des. 86,619; Mar. 29.
Martinek, Alois L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. 1,860,195; May 24.
Martinek, Michael, Lyons, assignor to Western Wire & Iron Works, Inc., Chicago, Ill. Folding gate. 1,882,331; Oct. 11.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaning apparatus. Re18,538; July 19.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Low-pressure spraying apparatus. 1,843,899; Feb. 2.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Spraying attachment. 1,843,900; Feb. 2.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Locking attachment for dust bags. 1,855,028; Apr. 19.
Martinet, Eugene F., assignor to the P. A. Geier Company, Cleveland, Ohio. Brush attachment for suction cleaner nozzles. 1,884,044; Oct. 25.
Martinet, Guy M. (See Krell, G., and Martinet.)
Martinez, Henry, and R. H. Kirk, Newcastle-upon-Tyne, assignor, by mesne assignments, to Wringer Limited, Warwick, England. Machine for crushing coal, stone, and similar materials. 1,877,188; Sept. 13.
Martinez, Teodore S., Sabadell Barcelona, Spain. Wheel. 1,842,532; Jan. 26.
Martini, Marco, assignor of one-half to J. Liberto, Oakmont, Pa. Lighter for tobacco pipes. 1,855,524; Apr. 26.
Martini, Biagio, Pittsburgh, Pa. Railroad track switch. 1,885,366; Nov. 1.
Martinoff, Nadine, New York, N. Y., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,361; Nov. 22.
Martinoff, Nadine, New York, N. Y., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,381; Nov. 22.
Martinoff, Nadine, New York, N. Y., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,382; Nov. 22.
Martinoff, Nadine, New York, N. Y., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,383; Nov. 22.
Martinoff, Nadine, New York, N. Y., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,384; Nov. 22.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,425; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,426; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,427; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,471; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,472; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,473; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,474; Nov. 29.
Martinoff, Nadine, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,475; Nov. 29.
Martinson, Marvin S., Goodhue, Minn. Air purifier for furnaces. 1,887,242; Nov. 8.
Martlin, Robert F., assignor to J. H. Pickett, Hamilton, Ontario, Canada. Machine for making molded pulp articles. 1,864,919; June 28.
Martocello, Joseph A., Philadelphia, Pa. Can basket self-centering system. 1,854,343; Apr. 19.
Martocello, Joseph A., Philadelphia, Pa. Series drop tube. 1,859,451; May 24.
Martocello, Joseph A., sr., Philadelphia, Pa. Water distributor for condensers of ice manufacturing systems. 1,865,775; July 5.
Martois, Arthur E., Compton, Calif. Pipe uncoupling mechanism. 1,871,857; Aug. 16.
Martus, Martin L., Woodbury, Conn. Supporting means for compressed oxide of copper battery electrodes. 1,855,917; Apr. 26.
Martus, Martin L., Woodbury, and E. H. Becker and J. G. Ross, Waterbury, Conn. Holding means for battery element supports. 1,840,119; Jan. 5.
Martz, Mike, Harrisburg, Pa. Rail anchor. 1,869,268; July 26.
Martz, Nicholas L., assignor to The Munsingwear Corporation, Minneapolis, Minn. Bathing suit. 1,865,029; June 28.
Marubio, Angelo, Chicago, Ill. Sanitary douche and internal bath. 1,887,359; Nov. 8.
Maruhn, Johannes, Berlin-Friedenau, and L. Tübben, Berlin-Nicolassee, Germany. Producing hydrocarbons. 1,850,022; Mar. 15.
Marve, Murray, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,258; Feb. 16.
Marvel Carbureter Co. (See Firth, David, assignor.)
Marvel Carbureter Company. (See Heitger, Frank H., assignor.)
Marvel Carbureter Company. (See Kirby, Charles H., assignor.)
Marvel Carbureter Company. (See Mabee, A. C., assignor, and Whitsett.)
Marvel Carbureter Company. (See Molony, D. P., assignor.)
Marvel Carbureter Company. (See Plaut, Antoine P., assignor.)
Marvel Carbureter Company. (See Purdy, Frederick, assignor.)
Marvel Carbureter Company. (See Redmond, Albert G., assignor.)
Marvel Headlight Limited. (See Brown, Dimmick, assignor.)
Marvellite Products Corporation. (See Laxer, Harry M., assignor.)
Marvin, Orrin F., assignor to Mills Alloys, Inc., Los Angeles, Calif. Manufacturing tungsten carbide. 1,897,729; Nov. 15.
Marvin, Walter S., deceased, by The Metal Ware Corporation, Two Rivers, Wis., assignee. Electric percolator. Re18,564; Dec. 13.
Marx, Bruno. (See Wolf, M., and Marx.)
Marx, Frank A., Cincinnati, Ohio. Cardboard display device. 1,886,036; Nov. 1.
Marx, Frank A., assignor to The Richardson Taylor-Globe Corporation, Cincinnati, Ohio. Display device. 1,889,207; Nov. 29.
Marx, George. (See Porter, J. F., and Marx.)
Marx, Karl, and H. Wesche, Dessau in Anheim, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Insecticide. 1,842,993; Jan. 26.
Marx, Karl, and H. Wesche, Dessau-in-Anhalt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., Insecticide. 1,843,332; Feb. 2.
Marx, Louis & Company. (See Westberg, Andrew, assignor.)
Marx, Louis, Brooklyn, N. Y. Toy aeroplane. 1,853,567; Apr. 12.
Marx, Louis, New York, N. Y. Toy. 1,845,613; Feb. 16.
Marx, Louis, New York, N. Y. Educational apparatus. 1,860,895; May 31.
Marx, Louis, New York, N. Y., assignor to C. J. Correll and F. F. Gosden, Chicago, Ill. Figure toy. Des. 87,969; Oct. 18.
Marx, Louis, New York, N. Y., assignor to C. J. Correll and F. F. Gosden, Chicago, Ill. Figure toy. Des. 87,970; Oct. 18.
Marx, Karl F. (See Greer, Edward L., and Marx.)
Marx, Richard, Philadelphia, Pa. Stove for burning rubbish. 1,866,661; July 12.
Maryland Glass Corporation. (See Dugdale, Margaret L., assignor.)
Maryott, Fred, Cozad, assignor to C. A. Black, Kearney, Nebr. Sugar beet topper. 1,875,072; Aug. 30.
Marzan, Joseph S., assignor to Lion Brothers Company, Inc., Baltimore, Md. Embroidery method and fabrication. 1,869,386; Aug. 2.
Marzolf, George B., Birchwood, assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn. Core for paper rolls. 1,855,251; Apr. 26.
Mas, George N., Lynchburg, Va. Bottle. Des. 86,680; Apr. 5.
Mas, George N., Lynchburg, Va. Bottle. Des. 86,849; Apr. 26.
Mas, George N., Lynchburg, Va. Bottle. Des. 86,850; Apr. 26.
Maschinenfabrik A. D. Sihl A. G. vorm. A. Schmid. (See Lauchenauer, Hermann, assignor.)
Maschinenfabrik Augsburg-Nürnberg A. G. (See Becker, Heinrich, assignor.)
Maschinenfabrik, Augsburg-Nurnberg A. G. (See Breitwieser, Heinrich, assignor.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Brockel, Ernst, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Duwe, Friedrich, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Fischer, Hans, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Geiger, Josef, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Jagschitz, Konrad, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Pielstick, Gustav, assignor.)

Maschinenfabrik Augsburg-Nurnberg A.-G. (See Prechtel, Ludwig, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Richm, Wilhelm, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Wilhelm, Otmar, assignor.)

Maschinenfabrik Benninger A. G., Firm. (See Rindl, Emil, assignor.)

Maschinenfabrik-Einsiedel Gesellschaft mit beschrankter Haftung. (See Lieberknecht, Paul, assignor.)

Maschinenfabrik Horselgau Aktiengesellschaft. (See Maisel, Robert, assignor.)

Maschinenfabrik Moenus A. G. (See Zweifel, H., and Müller, assignors.)

Maschinenfabrik Oerlikon. (See Wellauer, Max, assignor.)

Maschinenfabrik Rud. vormals Casper Honegger. (See Egli, Ernst, assignor.)

Maschmeyer, Hermann, Bad Ems, Germany. Elongated tilting hearth furnace. 1,856,716; May 3.

Maschmeyer, Hermann, Bad Ems, Germany, assignor to American Lurgi Corporation, New York, N. Y. Blowing cupriferous metallic-sulphide melts, especially low-grade copper mattes, direct to black copper. 1,853,627; Apr. 12.

Mascolo, Nino, Los Angeles, Calif. Hair and scalp treating apparatus. 1,847,619; Mar. 1.

Mask, James C., Berlin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater lighting control mechanism. 1,872,154; Aug. 16.

Mask, James C., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism. 1,872,155; Aug. 16.

Mask, James C., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater-switchboard apparatus. 1,872,156; Aug. 16.

Maser, Harold T., Schenectady, N. Y., assignor to General Electric Company. Electric power control apparatus. 1,847,417.

Mashek, Frank. (See Sherman, Ozro G., assignor.)

Mashek, Frank. (See Sherman, O. G., and Mashek.)

Mashek, Jos., Chicago, Ill. Buckle. 1,881,709; Oct. 11.

Mashek, Joseph A., Kewaunee, Wis. Massage device. 1,888,510; Nov. 22.

Masing, Georg, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manufacture of metal covered copper wire. 1,857,600; May 10.

Masker, Frederick M., Plainfield, N. J. Valve. 1,887,694; Nov. 15.

Maskow, Abe. (See Hoover, Harry, assignor.)

Maskovitz, Clarence C. (See Bernfeld, Maurice M., assignor.)

Maskus, Carl F., Ripon, Calif. Mowing machine. 1,888,323; Nov. 22.

Masland, Harvey C., Philadelphia, Pa. Surgical appliance. 1,853,693; Apr. 12.

Maslin, Thomas I. (See Dorgeloh, G. H., and Maslin.)

Mason, Alfred E., assignor to N. K. Davis, San Francisco, Calif. Concrete mixer. 1,878,504; Sept. 20.

Mason, Arthur J., Homewood, Ill. Fertilization. 1,842,876; Jan. 26.

Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Tube bending machine. 1,873,939; Aug. 23.

Mason, Au & Magenheimer Confectionery Manufacturing Company. (See Haug, Charles F., assignor.)

Mason, Benjamin F., Ocean Park, Calif. Ore agitator. 1,869,488; Aug. 2.

Mason Box Company, The. (See Harden, Ralph L., assignor.)

Mason Box Company. (See Persons, Ernest L., assignor.)

Mason Box Company, The. (See Weller, Arthur A., assignor.)

Mason Box Company, The. (See Wetherell, Leslie, assignor.)

Mason, Claude D. (See Bradley, C. E., and Mason.)

Mason, Clesson E. (See Casper, William F., assignor.)

Mason, Clesson E., assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 1,881,798; Oct. 11.

Mason, Edward J. and H. W., Detroit, Mich. Veneering construction. 1,857,926; May 10.

Mason, F. E., & Sons. (See Mason, Roy M., assignor.)

Mason, Frank. (See Dalldorf, L., and Mason.)

Mason, George H., Glen Rock, assignor to Hermas Machine Company, Hawthorne, N. J. Cloth shearing machine. 1,841,832; Jan. 19.

Mason, George N. (See Lyons, A. G., and Mason.)

Mason, George W., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator for refrigerators. 1,878,284; Sept. 20.

Mason, George W., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator evaporator and temperature control therefor. 1,878,285; Sept. 20.

Mason & Hanger Company, Inc. (See Donaldson, Francis, assignor.)

Mason, Harold L., Hampstead, London, England. Stop valve for steam or other fluids and liquids. 1,891,551; Dec. 20.

Mason, Henry W. (See Mason, Edward J. and H. W.)

Mason, Herbert T., assignor to Quabaug Rubber Company, North Brookfield, Mass. Shoe sole. Des. 86,921; May 10.

Mason, Herbert T., assignor to Quabaug Rubber Company, North Brookfield, Mass. Shoe sole. Des. 86,922; May 10.

Mason, Herbert W., Wilmington, Del. Doctor for calendering machines. 1,880,455; Oct. 4.

Mason, Howard, Saxonville, Mass. Pile fabric loom. 1,845,614; Feb. 16.

Mason, Jack V., Cheadle Hulme, Cheshire, England. Variable dividing machine for dough. 1,857,927; May 10.

Mason, M. Clinton. (See Anderson, William C., assignor.)

Mason, Milton L. (See Veale, Clarence H., assignor.)

Mason, Monroe O., et al. (See Veale, Clarence H., assignor.)

Mason & Parker Manufacturing Company. (See Young, Franklin W., assignor.)

Mason, Rhenier S., Eddyville, Ky. Garment. 1,854,476; Apr. 19.

Mason, Richard C., Tulsa, Okla. Pumping rig. 1,848,736; Mar. 8.

Mason, Roy M., assignor to F. E. Mason & Sons, Batavia, N. Y. Tag. 1,847,064; Feb. 23.

Mason, Ruric C., Princeton, N. J., assignor to Westinghouse Electric and Manufacturing Company. Transfer contact. 1,863,312; June 14.

Mason, Siechter & Gauld, Inc. (See Siechter, Louis H., assignor.)

Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaning of metallic parts. 1,839,483; Jan. 5.

Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article made of chromium. 1,842,037; Jan. 19.

Mason Tire & Rubber Corporation, The. (See Humphrey, Walter E., assignor.)

Mason, Vaden W., Brookneal, Va. Steam generating plant. 1,869,602; Aug. 2.

Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound muffler. 1,874,326; Aug. 30.

Mason, Willard J. (See Cumfer, Harry A., assignor.)

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Manufacture of vegetable fiber products. 1,844,861; Feb. 9.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Production of hard dense bodies of vegetable fiber. 1,844,921; Feb. 9.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Press loader. 1,849,307; Mar. 15.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Making paper pulp. 1,872,996; Aug. 23.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Acoustical board. 1,875,074; Aug. 30.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Liquid separation. 1,875,075; Aug. 30.

Mason, William J., Seattle, Wash. Gravity controller. 1,852,888; Apr. 5.

Mason, William K., Cambridge, assignor to American Electrical Company, Boston, Mass. Combination lock switch. 1,867,415; July 12.

Masonite Corporation. (See Card, Jerome T., assignor.)

Masonite Corporation. (See Mason, William H., assignor.)

Masonite Corporation. (See Wiener, John A., assignor.)

Mass, A. R., Chemical Co. (See Bowman, Frederic C., assignor.)

Mass, Henry W., assignor to National Tool & Machine Co., Rochester, N. Y. Workholding clamp. 1,841,196; Jan. 12.

Massa, William J., New York, N. Y., assignor to Bergen Point Iron Works, Bayonne, N. J. Expansion joint for flue sections and the like. 1,871,627; Aug. 16.

Massachusetts Memorial Hospitals. (See Levene, George, assignor.)

Masselin, Francis E., assignor to Dovercraft Company, Inc., Providence, R. I. Curtain support. Des. 87,226; June 21.

Masselin, Francis E., assignor to Dovercraft Company, Inc., Providence, R. I. Curtain supporting structure. Des. 87,227; June 21.

Massen, William H., Windsor, Ontario, Canada. Brick laying machine. 1,843,692; Jan. 26.

Massengale, James R., Eden, Miss. Rotary bin. 1,858,099; May 10.

Massera, Giuseppe. (See Adamelkas, M., and Massera.)

Massey, Alexander J., Los Angeles, Calif. Combined traffic and alarm system. 1,875,748; Sept. 6.

Massey, Augustine H., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Electric heater plug. Des. 87,398; July 19.

Massey, Augustine H., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Cube tap. Des. 87,845; Sept. 27.

Massey, Augustine H., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Handle for an electric plug. Des. 88,337 ; Nov. 15.

Massey Concrete Products Corporation. (See Alexander, Earl C., assignor.)

Massey Concrete Products Corporation. (See Huntoon, John S., assignor.)

Massey-Harris Company. (See Baseman, Ernest, assignor.)

Massey-Harris Company. (See Johnston, H. M., and Brown, assignors.)

Massey-Harris Company, The. (See Krotz, Alvaro S., assignor.)

Massey-Harris Co. (See Maul, Christian, assignor.)

Massey-Harris Co., The. (See Moree, Kinsei E., assignor.)

Massey-Harris Company. (See Verity, William J., assignor.)

Massey, Hemsley B., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High tension electric switch. 1,856,840 ; May 3.

Massey, John D. (See Avon, J. W., and Massey.)

Massicote, William E. N., Detroit, Mich. Conveyer system. 1,879,384 ; Sept. 27.

Massie, Arnold C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Mount assembly for high wattage lamps. 1,859,572 ; Aug. 2.

Massie, Elihu E., Portsmouth, Ohio. Furnace. 1,845,615 ; Feb. 23.

Massillon Implement Company. (See Archer, Carl W., assignor.)

Massillon Steel Casting Company. (See Nordfeldt, C. E., Ahlquist, and Emery, assignors.)

Massobrio, Pedro, and E. Capello, Buenos Ayres, Argentina. Frame for pictures, portraits and the like. 1,877,189 ; Sept. 13.

Massoll, Curtis A., Detroit, Mich. Safety zone guard. 1,859,756 ; May 24.

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time of day announcing system. 1,863,139 ; June 14.

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,864,082 ; June 21.

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 1,867,368 ; July 12.

Massonneau, Robert F., Scarsdale, and T. H. Roberts, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone alarm system. 1,841,197 ; Jan. 12.

Massuger, Louis. (See Marqué, Léon, assignor.)

Masten, Ralph A. (See Baker, W. N., and Masten.)

Masten, Ralph A. (See Cline, M., and Masten.)

Mastenbrook, Henry J., assignor to The Swartwout Company, Cleveland, Ohio. Valve cage. 1,872,157 ; Aug. 16.

Masterflo Motor Company. (See Edman, John, assignor.)

Master-Craft Corporation. (See Allyn, Leon L., assignor.)

Master Domestic Refrigerating Company. (See Strong, Archie H., assignor.)

Master Domestic Refrigerating Company. (See Winter, Joseph W., assignor.)

Master Electric Company, The. (See Larsh, Everett P., assignor.)

Masterench Corporation. (See Mead, Homer A., assignor.)

Master Lock Company. (See Soref, Harry E., assignor.)

Master Metal Products, Inc. (See Geibel, John F., assignor.)

Master Rule Mfg. Co. (See Nicholson, C. M., and Anderson, assignors.)

Master Woodworker Mfg. Co. (See Hawley, George E., assignor.)

Masterman, Cyril A., Surrey, assignor to The Gas Light & Coke Company, Westminster, London, England. Refrigerating system. 1,881,208 ; Oct. 4.

Masters, Alexander H., Greensboro, N. C. Combination ash tray and cigar lighter. Des. 87,474 ; Aug. 2.

Masters, Bert L., and J. Sinadin, Midwest, Wyo. Pump. 1,859,672 ; May 24.

Masters, Carl L., Yonkers, N. Y. Attaching means. 1,848,962 ; Mar. 8.

Masters, Edwin L., Chicago, Ill. Plant setter. 1,877,415 ; Sept. 13.

Masters, Harry B., Keokuk, Iowa. Mill. 1,864,920 ; June 28.

Masters, Irvin W. (See Cairncross, R. L., and Masters.)

Masters, Irvin W., assignor to National Lock Washer Company, The, Newark, N. J. Speed indicating means. 1,869,974 ; Aug. 2.

Masters, Irvin W., assignor to The National Lock Washer Company, Newark, N. J. Boat meter. 1,885,933 ; Nov. 1.

Masters, William C., Coraopolis, Pa. Track lubricator 1,850,592 ; Mar. 22.

Masterson, William E., assignor of one-third to F. L. Cowan and one-third to J. F. Roberts, Borger, Tex. Magnetic motor. 1,872,313 ; Aug. 16.

Masterson, William E., and H. Price, assignors of one-fifth to H. R. Rogers, one-fifth to J. F. Roberts and one-fifth to F. L. Cowan, Borger, Tex. Motor generator. 1,889,208 ; Nov. 29.

Mastin, Charles, Midland Park, and C. M. Roe, Hasbrouck Heights, N. J. Packing and forming the same. 1,854,708 ; Apr. 19.

Mastrangelo, Alphonso. (See Mastrangelo, Frank and A.)

Mastrangelo, Frank and A., Fitchburg, Mass. Telephone cabinet. 1,817,470 ; Sept. 13.

Mastrangelo, Frank and A., assignors to Angel Novelty Company, Fitchburg, Mass. Chair or similar article of furniture. Des. 87,163 ; June 14.

Mastrangelo, Frank and A., assignors to Angel Novelty Company, Fitchburg, Mass. Wall cabinet. 1,892,491 ; Dec. 27.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Automobile radiator cap. Des. 87,931 ; Oct. 11.

Masury, Alfred F., New York, assignor to International Motor Company, New York, N. Y. Truck chassis and platform. 1,842,038 ; Jan. 19.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Dust proof ash body. 1,842,794 ; Jan. 26.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Wheel mounting. 1,847,125 ; Mar. 1.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Spring mounting for individual wheels. 1,849,765 ; Mar. 15.

Masury, Alfred F., New York, N. Y., assignor to The Rubber Shock Insulator Corporation, Wilmington, Del. Stuffing box construction. 1,852,429 ; Apr. 5.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Front wheel drive for two wheel chassis. 1,855,642 ; Apr. 26.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Vehicle construction. 1,856,773 ; May 3.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Triangular drive for motor vehicles. 1,858,781 ; May 17.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Individual wheel mounting and drive. 1,858,782 ; May 17.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Spring mounting for stub axles. 1,858,783 ; May 17.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Individual wheel mounting. 1,858,784 ; May 17.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Refuse disposal truck. 1,862,756 ; June 14.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Bumper. 1,871,331 ; Aug. 9.

Masury, Alfred F., New York, N. Y., assignor to The Rubber Shock Insulator Corporation, Wilmington, Del. Propeller shaft bearing. 1,881,800 ; Oct. 11.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Closed vehicle for collecting refuse. 1,889,559 ; Nov. 29.

Masury, Alfred F., New York, N. Y., and C. Froesch, Teaneck, N. J., assignors to International Motor Company New York, N. Y. Cooling system. 1,856,772 ; May 3.

Matalina, Julio C., New York, N. Y. Collapsible shoe rack 1,874,056 ; Aug. 30.

Material Handling, Inc. (See Romine, Robert T., assignor.)

Matheny, George W. (See Harrison, J., and Matheny.)

Mather, Alonzo C., Chicago, Ill. Refrigerator car. 1,869,701 ; Aug. 2.

Mather, Oscar, assignor to American Hoist Corporation, Chattanooga, Tenn. Lifting device. 1,840,591 ; Jan. 12.

Mathers, George D., and H. C. Mathers, Los Angeles, Calif. Corner reenforcement. 1,881,805 ; Oct. 11.

Mathers, Harry M., Portland, Oreg. Circular date calendar. 1,874,201 ; Aug. 30.

Mathers, Horace C. (See Mathers, George D., and H. C.)

Mathes, John R., assignor to The Expello Corporation, Dover, N. H. Apparatus for insecticide dusting rug upholstery, and clothing. 1,888,732 ; Nov. 22.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave communication system. 1,841,142 ; Jan. 12.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Attenuation and volume control. 1,844,423 ; Feb. 9.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,850,593 ; Mar. 22.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,852,764 ; Apr. 5.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way signaling system. 1,881,301 ; Oct. 11.

Mathes. Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,882,866 ; Oct. 4.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated circuit. 1,892,284 ; Dec. 27.

Mathes, Robert C., Wyoming, and A. W. Horton, jr., East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable telephony. 1,844,422 ; Feb. 9.

Mathesius, Hans. (See Mathesius, W. and H.)
Mathesius, Walther and H., Berlin-Charlottenburg, Germany. Manufacturing titanium steel. 1,847,350; Mar. 1.
Matheson, Donald E. (See Matheson, James H. and D. E.)
Matheson, Howard W., assignor to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Producing acetic anhydride from ethylidene diacetate. 1,872,479; Aug. 16.
Matheson, James H. and D. E., Edgewood, Pa. Device for miniature golf courses. 1,857,059; May 3.
Mathews, Karl, Chicago, Ill. Belt buckle. 1,877,416; Sept. 13.
Mathews Conveyer Company. (See Adams, Charles A., assignor.)
Mathews Conveyer Company. (See Anderson, Martin J., assignor.)
Mathews, Edward F., Ypsilanti, Mich., assignor, by mesne assignments, to Dun Deer Sandals, Inc., Auburn, N. Y. Shoe. 1,888,862; Nov. 22.
Mathews, Ered, Northport, Wash. Fruit sizing machine. 1,868,114; July 19.
Mathews, Marcus L., and F. C. Brice, Holopaw, Fla. Guide for circular saws. 1,840,731; Jan. 12.
Mathews, Wallace B. (See Watts, G. W., and Mathews.)
Mathewson, Maxwell I. (See Brown and Sharpe Manufacturing Company, assignor.)
Mathewson, Maxwell L., Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Grinding machine. 1,846,132; Feb. 23.
Mathewson, Maxwell L., Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Grinding machine. 1,861,279; May 31.
Mathewson, Maxwell L., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 1,870,857; Aug. 9.
Mathewson, Wilfred B. (See Thayer, Warren L., assignor.)
Mathewson, Wilfred B., Weymouth, assignor to American Window Shade Machine Co., Inc., Boston, Mass. Wire feeding device. 1,842,554; Jan. 26.
Mathey, Gustave E., Elmsford, assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 1,843,087; Jan. 26.
Mathey, Gustave E., and C. F. Slotter, assignors to Johnson & Johnson, New Brunswick, N. J. Nonsoiling plaster backing and making it. 1,877,344; Sept. 13.
Mathey, Nicholas W. (See Cooke, John M., assignor.)
Mathias, Maximilian, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,865,200; June 28.
Mathias, Maximilian, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,865,201; June 28.
Mathiasen, Ragner E., Philadelphia, Pa. Combination lamp and stand. 1,889,682; Nov. 29.
Mathie, Joseph R., Broken Hill, N'Kubwe, Northern Rhodesia, Union of South Africa. Filing cabinet. 1,887,102; Nov. 8.
Mathieson Alkali Works, Inc. (See Clemmensen, Erik, assignor.)
Mathieson Alkali Works, The. (See Curtis, Elam C., assignor.)
Mathieson Alkali Works, Inc., The. (See Evans, George S., assignor.)
Mathieson Alkali Works, The. (See Leach, William B., Jr., assignor.)
Mathieson Alkali Works, The. (See Taylor, Lorenzo D., assignor.)
Mathieson Alkali Works, Inc., The. (See Tressler, Donald K., assignor.)
Mathieson, Andrew C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Governor device. 1,854,709; Apr. 19.
Mathieu de Boissac, Henri M., St. Germain en Laye, assignor to the Soc'ete Pierre Remy & Cie., Clichy, France. Closure. 1,858,163; May 10.
Mathieu, Gaston A., London, England, assignor to Radio Corporation of America. Automatic current regulating device. 1,892,215; Dec. 27.
Mathieu, Joseph X. (See Brand, F. F., and Mathieu.)
Mathis, Eugene, assignor to New York Blower Company, Chicago, Ill. Making a fan. 1,876,518; Sept 6.
Mathis, Eugene, assignor to New York Blower Company, Chicago, Ill. Blower. 1,890,226; Dec. 6.
Mathis, Henry, Cloquet, Minn. Line grip. 1,853,313; Apr. 12.
Mathis, James C. Ada, Okla. Bench. 1,862,382; June 7.
Matlachie, Robert K., Milltown, N. J. Spraying device. 1,887,416; Nov. 8.
Matless Cell Patent Holding Corporation. (See Maclennan, Frank W., assignor.)
Matlowsky, Abraham H., Pedro Miguel, Canal Zone. Irrigator. 1,884,786; Oct. 25.
Matsch, Charles J., Lake City, Minn. Air heating and humidifying apparatus. 1,881,806; Oct. 11.
Matsen, Morris. (See Edmonson, Arthur, assignor.)
Matsen, Morris, Oregon, Wis. Storage battery connecter and making the same. 1,873,931; Aug. 23.
Matson, Carl A., Lynnfield, Mass., assignor to The Matson Company, Concord, N. H. Automatic reverse brake. Re18,377; Mar. 8.
Matson, Carl A., Lynnfield, Mass., assignor to The Matson Company, Concord, N. H. Reverse brake. Re18,693; Dec. 20.
Matson, Carl A., Lynnfield, Mass., assignor to The Matson Company, Concord, N. H. Reverse brake. 1,870,686; Aug. 9.
Matson, Carl A., Lynnfield, Mass., assignor to The Matson Company, Concord, N. H. Reverse brake device. 1,886,710; Nov. 8.
Matson, Carl A., Danvers, assignor, by mesne assignments, to Shoe Lace Company, Boston, Mass. Lace tipping machine. 1,888,429; Nov. 22.
Matson Company, The. (See Matson, Carl A., assignor.)
Matson, Ephraim G. (See Basham, James E., assignor.)
Matson, Richard M., Ithaca, N. Y., assignor to General Electric Company. Control system. 1,842,976; Jan. 26.
Matsusaki, Jiro, Onomachi, Katogun, Japan. Device for automatically changing phonographic needles. 1,869,907; Aug. 2.
Matrachione, Natalino, Wilson, Pa. Variable pitch propeller. 1,848,573; Mar. 8.
Matte, Andrew L., Summit, N. J., assignor to American Telephone and Telegraph Company. Tuning fork generator. 1,854,267; Apr. 19.
Matteo, John F. (See Morosini, L., and Arico, assignors.)
Matter, Albert J., Park Ridge, Ill. Headlight. 1,888,995; Nov. 29.
Matter, James K. (See Guild, L., and Matter.)
Matter, James K., and C. G. Towne, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Coffeepot. Des. 87,475; Aug. 2.
Mattern, Earl S., Pitman, Pa. Tank closure retaining and locking device. 1,892,229; June 7.
Mattern, George W., assignor to The Crawford McGregor and Canby Company, Dayton, Ohio. Handle shaft for golf clubs. 1,851,439; Mar. 29.
Mattern, Raymond P., Wauwatosa, assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Rheostat. 1,877,926; Sept. 20.
Mattes, Hans, Ulm, Germany. Tongs for splitting wood. 1,840,044; Jan. 5.
Matteson, Jesse O., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. Des. 87,535; Aug. 9.
Matteson, Ralph D., Boise, Idaho. Air cleaning and moistening device. 1,857,512; May 10.
Matthaei, Frederick C., and G. D. Shanahan, Detroit, Mich., assignors of one-half to American Metal Products Company and one-half to Motors Metal Manufacturing Company. Brake cross shaft assembly and making same. 1,871,727; Aug. 16.
Matthey, Paul E., Suffern, N. Y. Card shuffler. 1,846,063; Feb. 23.
Matthai, William H., Garrison, Md. Bottle rack. 1,850,324; Nov. 22.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio, Trolley device. 1,844,405; Feb. 9.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,847,568; Mar. 1.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Section insulator. 1,858,406; May 17.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable connecter. 1,863,021; June 14.
Matthews, Albert T. (See Butler, R. A., and Matthews.)
Matthews, Carlton T., and H. E. Matthews, Green Bay, Wis. Tie plate. 1,839,570; Jan. 5.
Matthews, Charles R. (See Jones, H. P., Wrightson, and Matthews.)
Matthews, Claude L., assignor to W. N. Matthews Corporation, St. Louis, Mo. Clamp. 1,846,445; Feb. 23.
Matthews Conveyer Company. (See Milbrath, Alfred E., assignor.)
Matthews Conveyer Company. (See Sekulski, Lee, assignor.)
Matthews, Floyd C., assignor of one-half to J. C. Gaynor, Paterson, N. J. Shuttle motion. 1,891,648; Dec. 20.
Matthews, George A., Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company. Outdoor disconnecting switch. 1,843,573; Feb. 2.
Matthews, George A., Detroit, Mich., assignor to General Electric Company. Electrical induction apparatus. 1,846,887; Feb. 23.
Matthews, George A., and J. J. Shoemaker, Detroit, Mich. Switch. 1,849,875; Mar. 15.
Matthews, George E. (See Read, Charles S., assignor.)
Matthews, Guy L., assignor to H.' L. Diehl, Chicago, Ill. Hook for a gut string polishing machine. 1,863,864; June 21.
Matthews, H. A., Manufacturing Company, The. (See Boesel, Otto A., assignor.)
Matthews, Harold K. (See Matthews, Carlton T., and H. K.)
Matthews, Harry G., London, England, assignor to Sky Projection Corporation, New York, N. Y. Optical projection. 1,862,677; June 14.
Matthews, Howard W. (See Bock, W., and Matthews.)
Matthews, John, Philadelphia, Pa. Short range bullet. 1,892,158; Dec. 27.
Matthews, John D., Newquay, Cornwall, assignor to Taylor Bros. (Sandiacre) Limited, Sandiacre, England. Folding chair and the like. 1,860,867; May 31.

Matthews, Joseph E. (See Lipari, J., and Matthews.)
Matthews, Joseph L., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y. Gear shaping mechanism. 1,851,397; Mar. 29.
Matthews, Joseph L., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y. Bearing support for transmissions. 1,887,560; Nov. 15.
Matthews, Joseph L. and S. H. Lilleroth, Highland Park, N. J., assignors to International Motor Company, New York, N. Y. Shifting mechanism for multispeed transmissions. 1,844,292; Feb. 9.
Matthews, Mitchen N., Cleveland Heights, Ohio. Piston. 1,852,663; Apr. 5.
Matthews, Louis L., assignor to C. B. Maxson, and J. W. Maxson, Westerly, R. I. Counting and marking machine. 1,862,797; June 14.
Matthews, Matthew H., assignor to The Kenward Barrel Company Limited, London, England. Nesting barrels or containers. 1,863,122; June 14.
Matthews, Milton J., Detroit, Mich. Nut tapping attachment for multiple spindle automatic screw machines. 1,842,760; Jan. 26.
Matthews, Percy W., Pittsburgh, assignor of one-half to J. W. Soisson, Connellsville, Pa., and one-twentieth to J. F. Eisenbunz, New York, N. Y. Furnace arch. 1,848,737; Mar. 8.
Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Vibration damper. 1,842,039; Jan. 19.
Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Testing device for steering mechanism. 1,847,126; Mar. 1.
Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Semicentrifugal clutch. 1,855,643; Apr. 26.
Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Transmission controlling mechanism. 1,866,662; July 12.
Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
Matthews, W. N., Corporation. (See Birkenmaier, T. Boll, and Wefeler, assignors.)
Matthews, W. N., Corporation. (See Boll, L. P., and Birkenmaier, assignors.)
Matthews, W. N., Corporation. (See Boll, O. P., and Hanebuth, assignors.)
Matthews, W. N., Corporation. (See Matthews, Claude L., assignor.)
Matthie, Bruno, Berlin-Halensee, Germany, assignor to General Electric Company. System of motor control. 1,847,883; Mar. 1.
Matthies, William H., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,882,851; Oct. 18.
Matthiessen & Hegeler Zinc Co. (See Bennett, Thomas H., assignor.)
Matthiessen & Hegeler Zinc Co. (See McCrindle, D., and Medill, assignors.)
Matthiessen, Ralph H., Irvington, N. Y., assignor to Western Clock Company, Peru, Ill. Automobile clock. 1,841,750; Jan. 19.
Matthis, Claude R., Corvallis, Oreg. Carbon remover. 1,878,245; Sept. 20.
Matticoli, Alfredo, Rome, Italy. Multiplying mechanism for calculating machines. 1,842,975; Jan. 26.
Mattison, John D., Brooklyn, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generating installation. 1,882,332; Oct. 11.
Mattingly, Harold W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,844,514; Feb. 9.
Mattingly, Harold W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light cell control. 1,865,937; July 5.
Mattingly, Harold W., Swissvale, and B. B. Hines, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Elevator signaling system. 1,844,515; Feb. 9.
Mattioli, Giuseppe, Jersey City, N. J. Fire escape safety device. 1,849,878; Mar. 15.
Mattison, Arthur C., Eau Claire, Wis. Cigar and cigarette holder. Des. 87,476; Aug. 2.
Mattison, Arthur C., Eau Claire, Wis. Cigar or cigarette holder. 1,868,986; July 26.
Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Pressure bar mounting for molding machines and the like. 1,844,069; Feb. 9.
Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Control mechanism for turning machines. 1,881,802; Oct. 11.
Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Sanding device. 1,885,123; Nov. 1.
Mattison, Frederick W. (See Turner, Henry J., assignor.)
Mattison Machine Works. (See Mann, Theodore C., assignor.)
Mattison Machine Works. (See Mattison, Carl L., assignor.)
Mattison Machine Works. (See Medholdt, Louis T., assignor.)
Mattison, Richard V., Ambler, Pa., assignor, by mesne assignments, to Ambler Asbestos Shingle & Sheathing Company. Ornamental product and producing same. 1,881,803; Oct. 11.
Mattison, Sigurd O., Colfax, Wis. Pipe cleaning device. 1,889,098; Nov. 29.
Mattler, Peter. (See Spalsbury, C. B., and Mattler.)
Mattler, Peter, assignor to Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Fastener inserting machine. 1,858,481; Apr. 26.
Mattler, Peter, assignor to Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Preparing leather for weaving. 1,859,570; May 24.
Mattler, Peter, assignor to Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Process and apparatus for weaving fabrics. 1,859,571; May 24.
Mattman, Gustave F., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Preparing glass panels. 1,861,577; June 7.
Mattmann, Josef, assignor to Swiss Locomotive and Machine Works, Winterthur, Switzerland. Cooling water regulator for rotary compressors. 1,877,345; Sept. 13.
Mattocks, Edgar H. (See Gauthier, A. L., and Mattocks.)
Mattos, John V., Taunton, Mass. Shoe welt. 1,840,405; Jan. 12.
Mattson, Eric, et al. (See Mattson, Julius, assignor.)
Mattson, Gustaf, Portland, Oreg. Life preserver. 1,854,378; Apr. 19.
Mattson, Harry L., assignor to Mattson Wire and Manufacturing Co., Inc., Joliet, Ill. Fence weaving machine. 1,846,685; Feb. 23.
Mattson, Julius, assignor of one-fourth to E. Mattson and one-fourth to H. Palm, Chicago, Ill. Traffic signaling construction. 1,875,076; Aug. 30.
Mattson, Victor C., Nemaha, Nebr. Internal combustion engine. 1,886,492; Nov. 8.
Mattson Wire and Manufacturing Co. (See Mattson, Harry L., assignor.)
Matuschka, Bernhard, Ternitz, Austria. Mold for ingots. 1,881,088; Oct. 4.
Matteoff, Michael N., Stratford, Conn. Device for attaching fabric to airplane ribs. 1,878,417; Sept. 20.
Matz, Claude B., Akron, Ohio. Stuffing apparatus. 1,886,417; Jan. 26.
Matzdorf, Georg. (See Reddelien, G., Matzdorf, and Peters.)
Matzdorf, Georg. (See Virck, P., and Matzdorf.)
Matzdorf, Georg, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. N-hydroxyethylated 1-amino-2-methoxy-4-amino-5-hydroxynaphthalene-7-sulphonic acid. 1,873,483; Aug. 23.
Matzka, Wincenty, London, England. Sterilization of liquids. 1,850,594; Mar. 22.
Matzner, Hyman, and M. Franz, New York, N. Y. Engraving machine. 1,870,127; Aug. 2.
Maudsley, Richard T., Birmingham, England. Sulphuric acid chamber. 1,887,816; Nov. 15.
Mauer, Charles F., San Francisco, Calif. Water and moisture proof coating material and making same. 1,888,560; Nov. 22.
Mauger, Samuel W., Schenectady, N. Y., assignor to General Electric Company. Safety switch. 1,891,939; Dec. 27.
Mauk, Robert R., Grand Rapids, Mich. Anchoring means for shipped goods. 1,839,326; Jan. 5.
Maul, Christian, assignor to The Massey-Harris Co., Inc., Batavia, N. Y. Running gear for manure spreaders or other vehicles. 1,849,736; Mar. 15.
Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Broiler construction. 1,840,460; Apr. 19.
Maul, Henry C., assignor to Detroit Michigan Stove Company, Detroit, Mich. Oven burner head. 1,854,661; Apr. 19.
Maul, Henry C., assignor to Detroit Michigan Stove Company, Detroit, Mich. Stove leg. 1,858,998; May 17.
Maul, Michael, Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Record card with printed index points. 1,853,443; Apr. 12.
Maulde, Pierre, Vireflay, France. Air speed switch. 1,878,418; Sept. 20.
Mauldin, John L., Pettus, Tex. High pressure pump. 1,877,521; Sept. 13.
Maulsby, Albert R., Everett, Wash. Applying backing fabrics to linings. 1,875,077; Aug. 30.
Maurel, Henry F., Providence, R. I., assignor to Maurel Investment Corporation, Dover, Del. 1,848,639; Mar. 8.
Maurel, Henry F., Providence, R. I., assignor to Maurel Investment Corporation. Apparatus for carbonization of fuel briquettes. 1,870,521; Aug. 9.
Maurel, Henry F., assignor to Maurel Investment Corporation, Providence, R. I. Manufacture of fuel briquettes from waste wood. 1,870,522; Aug. 9.
Maurel, Henry F., assignor to Maurel Investment Corporation, Providence, R. I. Apparatus for the carbonization of coals. 1,870,523; Aug. 9.
Maurel Investment Corporation. (See Maurel, Henry F., assignor.)
Maurer, Alfred, Milan, Italy. Drawing apparatus with pivotally movable lips for the manufacture of cellulose films of various thicknesses. 1,885,747; Nov. 1.
Maurer, Charles C., and N. D. Vea, assignors to Dover Manufacturing Company, Dover, Ohio. Switch plug. 1,874,021; Aug. 30.
Maurer, Clarence D., assignor to Narrow Fabric Company, West Reading, Pa. Elastic lace braid. Des. 88,362; Nov. 22.

Maurer, Edwin R. (See Ferguson, D. M., and Maurer.)
Maurer, Edwin R., Detroit, and D. M. Ferguson, Highland Park, assignors, by mesne assignments, to Continental-Diveo Company, Detroit, Mich. Internal combustion engine. 1,874,327; Aug. 30.
Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Film phonograph. 1,891,387; Dec. 20.
Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Recording and reproduction of sound. 1,891,388; Dec. 20.
Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Reproduction of sound. 1,891,389; Dec. 20.
Maurer, John F., jr., Woodcliff, N. J. Box construction. 1,886,749; Nov. 1.
Maurer, John F., jr., North Bergen, N. J. Bottle crate brace. 1,891,103; Dec. 13.
Maurer, Robert H., Hillside, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,873,613; Aug. 23.
Maurer, Rufus R., Brookline, assignor to Spencer Thermostat Company, Cambridge, Mass. Remote heat control mechanism. 1,881,807; Oct. 11.
Maurer, Russell L., assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,863,909; June 21.
Mauro, Anthony J., New York, N. Y. Smoking pipe device. 1,892,436; Dec. 27.
Maury, Richmond, Richmond, Va. Chart. 1,853,829; Apr. 12.
Mauser, Karl W., Waldeck, Germany. Reentering means for the rims of openings in metal containers. 1,858,877; Nov. 22.
Mauss, Hans, Wuppertal-Barmen, Germany, assignor to Winthrop Chemical Co. Inc., New York, N. Y. New acridine derivatives. 1,855,302; Apr. 26.
Maust, Ernest J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Slurry filtration. 1,870,372; Aug. 9.
Maust, Ernest J., assignor to The Dorr Company, Inc., New York, N. Y. Making cement-asbestos products. 1,872,480; Aug. 16.
Maute, Joseph, Buffalo, N. Y. Taper boring attachment for milling machines and the like. 1,886,287; Nov. 1.
Mauterer, Arthur. (See Sachs, Maximilian, assignor.)
Mauterer, Arthur, Dortmund, Germany. Interlocking sheet piling. 1,858,968; Nov. 22.
Mauthe, James L., Elyria, Ohio. Gas cleaner. 1,858,603; Nov. 22.
Mautner, Isidor. (See Deutsch, Siegfried, assignor.)
Mauthe, James L., Elyria, Ohio. Gas cleaner. 1,858,603; Nov. 22.
Mautz, William P., Lebanon, and F. B. Oren, Effingham, Ill. Expansion joint form. 1,870,130; Aug. 2.
Mavis, Stanley E., assignor to Western Newell Manufacturing Company, Freeport, Ill. Curtain rod bracket. Des. 86,963; May 17.
Maw, Samuel H., assignor to The T. Eaton Company, Limited, Toronto, Ontario, Canada. Lighting fixture. 1,847,884; Mar. 1.
Mawhi, James K., Maplewood, N. J., assignor to Smoot Engineering Corporation, New York, N. Y. Open hearth furnace control. 1,848,184; Mar. 8.
Mawhi, James K., Maplewood, N. J., assignor to Smoot Engineering Corporation, New York, N. Y. Open hearth furnace control. 1,848,185; Mar. 8.
Maxwell, Hubert, Liverpool, England, assignor to Drysdale and Company, Limited, Glasgow, Scotland. Rotary pump and fan. 1,887,417; Nov. 8.
Max Ams Machine Company, The. (See Lange, Paul H., assignor.)
Maxaner, Karl. (See Kirsch, Rudolf, assignor.)
Maxant, Frank Ayer, Mass. Sheet feeding mechanism for plaiting machines. 1,857,028; May 3.
Maxcy, Charles J., Rutherford, N. J., assignor of one-half to M. B. Sentner, New York, N. Y. Inclosure construction. 1,846,606; Feb. 23.
Maxcy, Charles J., Rutherford, N. J., assignor of one-half to M. B. Sentner, New York, N. Y. Inclosure construction. 1,846,606; Feb. 23.
Maxfield, Arthur C., Cranston, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Adapter for machine tools. 1,861,504; June 7.
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
Maximoff, Alexander T., Vercelli, Italy, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Production of ethylene glycols and ethylene hydrocarbons. 1,870,858; Aug. 9.
Maximoff, Alexander T., Vercelli, Italy, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Production of ethylene hydrocarbons. 1,870,859; Aug. 9.
Maxmoor Corporation. (See Kings, Thomas W., assignor.)
Maxmoor Corporation. (See Moore, Arlington, assignor.)
Maxson, Charles B., et al. (See Matthews, Louis L., assignor.)
Maxson, Charles B., assignor of one-half to J. W. Maxson, Westerly, R. I. Counting machine. 1,839,769; Jan. 5.
Maxson, Charles B., assignor of one-half to Julian W. Maxson, Westerly, R. I. Method of and machine for cutting, feeding and stacking sheet material. 1,882,403; Oct. 11.
Maxson, Julian W., et al. (See Matthews, Louis L., assignor.)
Maxson, Julian W. (See Maxson, Charles B., assignor.)
Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,863,865; June 21.
Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company, Claremont, N. H. Compressor controlling mechanism. 1,863,866; June 21.
Maxson, Rolland H., assignor to The Burdick Corporation, Milton, Wis. Alternating current rectifier. 1,849,103; Mar. 15.
Maxwell, Aura A. (See Klupmeyer, E. E., and Maxwell.)
Maxwell, Charles G., Richmond, Va., assignor to American Cigar Company, New York, N. Y. Stamping or labeling machine. 1,856,576; May 3.
Maxwell, Charles G., Richmond, Va., assignor to The American Tobacco Company, New York, N. Y. Stemming and cleaning tobacco. 1,864,705; June 7.
Maxwell, Earl C., Co. Inc. (See McKiernan, James D., assignor.)
Maxwell, Francis, Wallington, England. Extraction of juice from sugar cane and kindred substances. 1,852,055; Apr. 5.
Maxwell, Frank R., jr., Boston, Mass. Aerofoil. 1,880,967; Oct. 4.
Maxwell, Grover C., assignor to H. Sowinski, Maspeth, N. Y. Line fastener. 1,839,601; Jan. 5.
Maxwell, Harry K. (See Schulz, P. A., and Maxwell.)
Maxwell, John A., jr., Lancaster, Pa., assignor to Follmer, Clegg & Co., New York, N. Y. Cane umbrella. 1,843,290; Feb. 2.
Maxwell, John A., jr., Lancaster, Pa., assignor to Follmer, Clegg & Co., New York, N. Y. Container for umbrellas. 1,861,061; May 31.
Maxwell, John S., Ocean Beach, Calif. Aircraft. 1,867,307; Feb. 16.
Maxwell, Maxwell C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,881,809; Oct. 11.
Maxwell, William H. (See Basch, L. F., and Maxwell.)
Maxwell, William H. (See Dalldorf, L., and Mason, assignor.)
Maxwell, William H., et al., executors. (See Triplett, James B.)
Maxwell, William H. (See Triplett, J. B.)
May, Adam J., assignor, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Extensible chair. 1,856,493; May 3.
May, Arthur L., assignor to Gem Co., Providence, R. I. Cuff fastener. 1,849,329; Mar. 15.
May, Charles B., St. Louis, Mo. Coin changer. 1,839,885; Jan. 5.
May, Christopher C., and V. H. Whitten, Bodcaw, Ark. Fertilizer distributor. 1,891,505; Dec. 20.
May, Darwin R., Williamsport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Polyhydric alcohol-polybasic acid synthetic resin. 1,852,178; Apr. 5.
May, Donald M., Rocky Point, N. Y. Portable typewriter attachment. 1,840,242; Jan. 5.
May, Edward M. (See Kellogg, H. C., and May.)
May, Edward M., assignor to P. Cowan, Detroit, Mich. Shut-off valve. 1,859,834; May 24.
May, Frederick, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. High-pressure valve. 1,858,164; May 10.
May, Harold V., Pittsfield, Mass., assignor to General Electric Company. Welding torch. 1,869,541; July 23.
May, Harold W., Cowichan, British Columbia, Canada. Portable stand for golf bags. 1,863,022; June 14.
May Hosiery Mills. (See Smith, William L., jr., assignor.)
May, Joseph, Frankfort-on-the-Main, Germany. Arch support for footwear. 1,877,522; Sept. 13.
May, Karl H., Berlin-Friedenau, Germany, assignor to General Electric Company. Electrical regulator. 1,840,518; Jan. 12.
May, Louis B., assignor to The Marine Patents Corporation, Pittsburgh, Pa. Boat. 1,843,574; Feb. 2.
May, Louis W. (See Young, David B., assignor.)
May Manufacturing Co. Inc. (See Glintenkamp, William P.)
May Oil Burner Corporation. (See Thomas, John N., assignor.)
May, Russell P., et al. (See Wolff, I., May, and Ringel.)
May, Russell P., Haddonfield, N. J., assignor to Radio Corporation of America. Exciter lamp for photo electric apparatus. 1,851,830; Mar. 29.
May, Russell P., Haddonfield, N. J., assignor to Radio Corporation of America. Film take-up. 1,871,715; Aug. 16.
May, Russell P., Haddonfield, N. J., assignor to Radio Corporation of America. Talking motion picture projector. 1,871,716; Aug. 16.
May, Russell P., New York, N. Y., assignor to Radio Corporation of America. Acoustic diaphragm. 1,859,782; May 24.
Mayaca Company. (See Hoenshel, Paul M., assignor.)
Maybach, Karl, assignor to Maybach-Motorenbau, G. m. b. H., Friedrichshafen, Germany. Change speed gear. 1,870,841; Aug. 9.
Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H. Friedrichshafen, Germany. Change speed gear. 1,883,743; Oct. 18.
Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Change speed gear. 1,891,678; Dec. 20.

Maybach-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)
Mayehoff, Katherine L. (See Belokopytoff, Alexander J., assignor.)
Mayer, Augustine, Brooklyn, N. Y. Locking device. 1,851,678; Mar. 29.
Mayer, Bertram, K. Krauer, and H. Siebenbürger, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs of the anthraquinone series and making same. 1,846,133; Feb. 23.
Mayer, Bertram, H. Siebenbürger, and K. Krauer, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat-dyestuff of the dibenzanthrone series and making same. 1,859,212; May 17.
Mayer, Christian, Nuremberg, Germany. Photographic camera. 1,871,717; Aug. 16.
Mayer, Carl A., assignor to American Bosch Magneto Corporation, Springfield, Mass. Loud speaker construction. 1,856,774; May 3.
Mayer, Carl F., Lakewood, Ohio. Insulating wall. 1,843,430; Feb. 2.
Mayer, Charles, Paris, France. Stand for lamps. 1,851,199; Mar. 29.
Mayer, Charles, Paris, France. Piston pump for medical purposes. 1,866,217; July 5.
Mayer China Company. (See Hardesty, Eugene, assignor.)
Mayer China Company. (See Johnson, William T., assignor.)
Mayer China Company. (See Lukens, Randolph E., assignor.)
Mayer China Company. (See Mayer, Walter S., assignor.)
Mayer China Company. (See Wain, Harry J., assignor.)
Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Scouring implement. 1,839,240; Jan. 5.
Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Mounting for antifriction bearings. 1,870,860; Aug. 9.
Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Metallic abradant. 1,884,787; Oct. 25.
Mayer, Emil, Vienna, Austria. Photographic film roll. 1,856,717; May 3.
Mayer, Emil M., Cincinnati, Ohio, assignor to Iver Johnson's Arms and Cycle Works, Fitchburg, Mass. Child's vehicle. 1,850,406; Mar. 22.
Mayer, Frank W., New York, N. Y. Artificial tree. Des. 86,466; Jan. 5.
Mayer, Hans. (See Straub, F., Anderau, and Mayer.)
Mayer, Hans. (See Straub, F., and Mayer.)
Mayer, Hans. (See Straub, F., Mayer, and Anderau.)
Mayer, Hans. (See Straub, F., Schneider, and Mayer.)
Mayer, Hans, Berlin, assignor to Siemens- & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrical testing system. 1,847,127; Mar. 1.
Mayer, Josef, Karlshad, Czechoslovakia, assignor to The Philad Company, Cleveland, Ohio. Hair waving apparatus. 1,848,229; Mar. 8.
Mayer, Joseph, New York, N. Y. Mechanical calendar. 1,856,568; Nov. 8.
Mayer, Karl. (See Ziffer Von Teschenbruck, Mano, assignor.)
Mayer Manufacturing Corporation. (See Smith, Jacob A., assignor.)
Mayer, Max., Carlsbad, Czechoslovakia, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Newark, N. J. Producing oxides of the fourth group metals. 1,885,934; Nov. 1.
Mayer-Neville, Ernest. (See Tacchi, Percy G., assignor.)
Mayer, Rena, Columbus, Ohio, assignor of one-half to H. Never, Vienna, Austria. Electric heating system. 1,874,778; Aug. 30.
Mayer, Roland T., San Antonio, Tex. Apparatus for cutting wheels of cheese. 1,864,921; June 28.
Mayer, Walter C., et al. (See Clohecy, Leon G., assignor.)
Mayer, Walter S., Beaver, Pa., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 87,058; May 24.
Mayer, Walter S., Philadelphia, Pa. Combined switch and circuit breaker. 1,887,274; Nov. 8.
Mayer, William. (See Halpern, M., and Mayer.)
Mayer, William G., Pittsburgh, Pa. Vehicle body and bumper. 1,854,710; Apr. 19.
Mayer, William G., Pittsburgh, Pa. Truck body. 1,854,711; Apr. 19.
Mayer, William G., Pittsburgh, Pa. Shock insulated truck body. 1,870,418; Aug. 9.
Mayer, William H., Jr., New York, N. Y. Textile fabric or similar article. Des. 87,074; Mar 31.
Mayer, William J., Philadelphia, Pa., assignor, by mesne assignments, to American Car and Foundry Company, New York, N. Y. Car seat. 1,879,553; Sept. 27.
Mayerhofer, Linöt. (See Reich, J., and Mayerhofer.)
Mayerhofer, John F., Brooklyn, N. Y. Hot water heater. 1,868,423; July 19.
Mayers, Clayton, & Company. (See Mayers, Eric W., assignor.)
Mayers, David, Baltimore, Md. Necktie. 1,849,633; Mar. 15.
Mayers, Eric W., assignor to Clayton Mayers & Company Limited, London, England. Packing device. 1,861,502; June 7.
Mayers, Horace C., Cleveland, Ohio. Traveling display case for shoes. 1,867,886; July 19.
Mayers, Joseph Alexander, deceased, Cumberland, Md.; Taylor Morrison, executor of said Joseph A. Mayers. Humidifying apparatus. 1,867,921; July 19.
Mayes Bros. Tool Manufacturing Company. (See Mayes, John, assignor.)
Mayes, John, assignor to Mayes Bros. Tool Manufacturing Company, Port Austin, Mich. Plumb and level. 1,892,622; Dec. 27.
Mayette, Edgar, assignor to Kennedy-McCandless Corporation, Rochester, N. Y. Child's knockdown crib construction. 1,862,383; June 7.
Mayfield, Thomas H., Roby, Tex. Cultivator attachment. 1,847,490; Mar. 1.
Mayhew, Walter H., Toronto, Ohio. Extruding die. 1,849,431; Mar. 15.
Mayhew, Joseph H., Minneapolis, Minn., assignor to Hart-Carter Company, Peoria, Ill. Separating disk. 1,879,385; Sept. 27.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Operating mechanism for wire-stitching and stapling machines or like apparatus. 1,840,461; Jan. 12.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Clutch-device for wire-stitching and stapling machine or like apparatus. 1,868,536; July 26.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Stapling machine or tacker. 1,879,987; Sept. 27.
Maynard, Blanshard B., and F. L. de Sanno, Oakland, assignors, by mesne assignments, to Rheem Manufacturing Company, Emeryville, Calif. Faucet. 1,846,446; Feb. 23.
Maynard, Charles E., Northampton, Mass. Smoking pipe. 1,847,503; June 7.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing press. 1,841,490; Jan. 19.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Locking device for vulcanizing molds. 1,841,491; Jan. 19.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for spraying annular articles. 1,850,238; Mar. 22.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Curing flaps for pneumatic tire casings. 1,852,855; Apr. 5.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing apparatus. 1,859,929; May 24.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Guide for tire building machines. 1,867,370; July 12.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for vulcanizing annular articles. 1,876,158; Aug. 16.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tubing machine. 1,876,256; Sept. 6.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for vulcanizing annular articles. 1,876,333; Sept. 6.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Temperature measuring device for rubber working machinery. 1,876,712; Sept. 13.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Fluid pressure connection. 1,876,713; Sept. 13.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Fluid pressure connection. 1,876,714; Sept. 13.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Defiator cap. 1,876,715; Sept. 13.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for splicing tubes. 1,876,716; Sept. 13.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Fluid pressure connection. 1,878,505; Sept. 20.
Maynard, Charles E., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Automatic vulcanizing mold. 1,867,369; July 12.
Maynard, Clarence J. (See Schellack, J. A., and Maynard.)
Maynard, George S. Newtonville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Pin fastener. 1,852,248; Apr. 5.
Maynard, Joseph A., Boston, Mass. Relief device. 1,883,808; Oct. 11.
Maynard, Rea A. (See MacArthur, William J., assignor.)
Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for shaping sheet material. 1,888,356; Nov. 22.
Maynes, Emma C. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement ride. 1,847,250; Mar. 1.
Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement ride. 1,847,569; Mar. 1.

Maynord Joseph A., Boston, Mass. Relief valve fitting. 1,863,227; June 14.
Mayo, Charles G., Langby, England, assignor to General Electric Company. Electric transformer. 1,849,845; Mar. 15.
Mayo, Charles R., London, England. Railway sleeper and attachment therefor. 1,851,638; Mar. 29.
Mayo, John, Fairmont, W. Va., assignor of one-half to Thermal Engineering Corporation, Pittsburgh, Pa. Distributor for leers. 1,839,327; Jan. 5.
Mayoh, Frank H., Springheld, Mass. Welding machine for machine constructions and the like. 1,867,979; July 19.
Mayorga, Robert I., Dallas, Tex. Game. 1,888,537; Nov. 22.
Mayper, Jack. (See Beskind, M. M., and Mayper.)
Mays, Hubert, and S. H. Kirkland, Tampa, Fla. Artificial bait. 1,845,849; June 7.
Mays Manufacturing Company, The. (See Mays, William C. S., assignor.)
Mays, William C. S., Edgewood, R. I., assignor to The Mays Manufacturing Company, Inc. Clip for writing instruments. 1,874,110; Aug. 30.
Mays, William C. S., Edgewood, R. I., assignor to The Mays Manufacturing Co., Inc. Clip for writing instruments and making same. 1,889,037; Nov. 29.
Maytag Company, The. (See Mikuisek, John, assignor.)
Maytag Company, The. (See Snyder, George L., assignor.)
Maytag Company, The. (See Snyder, Howard F., assignor.)
Maywald, Edward, Mayfield, and E. A. Roberts, Burlingame, Calif. Sprinkler support. 1,850,023; Mar. 15.
Maywood Chemical Works. (See Weber, Friedrich W., assignor.)
Mazarek, Maripan I., West Allis, Wis. Vaporizer. 1,888,682; Nov. 22.
Maze, Jacob, Orange, assignor, by mesne assignments, to Manson Chemical Company, Montclair, N. J. Paper size and making same. 1,863,867; June 21.
Mazer, Jacob, Darby Township, Delaware County, Pa. Wall-forming material and making the same. 1,839,404; Jan. 5.
Mazer, Jacob, Stonehurst, Upper Darby Township, Delaware County, Pa. Sound-absorbing unit and making same. 1,883,386; Oct. 18.
Mazer, Marcus, Philadelphia, Pa. Acoustic material. 1,823,431; Sept. 15, 1931.
Mazer, Philip, Brooklyn, N. Y. Device for treating fabrics and the like. 1,849,497; Mar. 15.
Mazoyer, Leon, Baldwin, assignor to Whitall Tatum Company, New York. Combination screw cap, bottle stopper and dropper. 1,889,209; Nov. 29.
Mazur, Samuel, Bristol, assignor to The Sessions Clock Company, Forestville, Conn. Chime clock. 1,883,387; Oct. 18.
Mazurette, Edmund L., Denver, Colo. Radiator. 1,855,644; Apr. 26.
Mazurie, James V., and O. F. Olson, Gary, Ind., assignors to National Tube Company. Tube expanding machine. 1,858,961; May 17.
Mazurie, James V., and O. F. Olson, Gary, Ind., assignors to National Tube Company. Tube expanding mill. 1,858,962; May 17.
Mazza, Leandro, Florence, and R. Regnoni, Rome, Italy. Circuit arrangement for telegraphic apparatus. 1,891,564; Dec. 20.
Mazzella, Salvatore, Princeton, N. J. Combined clothesline support and rope washer. 1,842,278; Jan. 19.
Mazzie, Dominic, East Hartford, Conn. Thermostatic control apparatus. 1,864,455; June 21.
Mazzoni, Dante, Assignor to Eureka Photo Mechanical Equipment, Inc., New York, N. Y. Photomechanical machine. 1,885,532; Nov. 1.
McAdam, Josiah W., Vancouver, British Columbia, Canada. Gear for automobile body. Re18,360; Feb. 23.
McAdam, Josiah W., Vancouver, British Columbia, Canada. Closed automobile body. 1,849,430; Mar. 15.
McAdam, William M., New Brunswick, N. J. Receptacle. 1,863,228; June 14.
McAdams, Harry. (See Larmour, William, assignor.)
McAdoo & Allen Welding Company. (See Heft, William F., assignor.)
McAdoo, Thomas O., Salem, Va., assignor to International Silica Corporation. Treating silica-bearing materials. 1,858,100; May 10.
McAdoo, Thomas O., Edgewood, Va., assignor to International Silica Corporation. Obtaining aluminum hydrate. 1,858,165; May 10.
McAfee, Almer McD., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Manufacture of aluminum chloride. 1,867,672; July 19.
McAfee, Robert W., Atlanta, Ga. Sealing box, brace, and liner for underground pipes. 1,858,101; May 10.
McAlister, James A., Shreveport, La. Wood bending equipment. 1,862,414; June 7.
McAllister, David, Seattle, Wash., assignor to American Machine & Foundry Company. Sliced bread transfer. 1,885,935; Nov. 1.
McAllister, Harry E., Mariners Harbor, N. Y. Automatic window-sash lock. 1,891,940; Dec. 27.
McAllaster, George R., Rochester, N. Y. Combined ash tray and incense burner. Des. 87,013; May 24.
McAllister, Raymond C., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clearance unloader for compressors. 1,870,956; Aug. 9.
McAllister, Raymond C., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor cylinder. 1,879,370; Sept. 27.
McAlvay, Bayard T., assignor to Zipf Fruit Package Company, Traverse City, Mich. Basket making machine. 1,848,807; Mar. 8.
McAndrew, Robert, Coventry, England. Waterworks tap. 1,854,051; Apr. 12.
McAndrew, Robert, Coventry, England. Main ferrule for connecting branch pipes. 1,881,314; May 31.
McAnear, Walter, Electra, Tex. Tank cleaner. 1,876,334; Sept. 6.
McAniff, Robert J., Brooklyn, N. Y. Cigarette holder. 1,864,747; June 28.
McArdle, Michael W., Chicago, Ill. Combination smoking set. Des. 86,256; Feb. 16.
McArdle, Michael W., Chicago, Ill. Bowl for a fruit juice extractor. Des. 87,228; June 21.
McArdle, Michael W., Chicago, Ill. Combined household food mixer and juice extractor. Des. 87,587; Aug. 16.
McArdle, Michael W., Chicago, Ill. Lawn sprinkler. Des. 87,670; Aug. 30.
McArdle, Michael W., Chicago, Ill. Sprinkler. 1,847,406; Mar. 1.
McArdle, Michael W., Chicago, Ill. Health exerciser. 1,859,976; May 24.
McArdle, Michael W., Chicago, Ill. Circuit connecting plug. 1,867,319; July 12.
McArdle, Michael W., Chicago, Ill. Electric circuit insulation. 1,875,078; Aug. 30.
McArdle, Michael W., Chicago, and G. Browning, Wilmette, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Attachment plug for electric heating devices. 1,849,239; Mar. 15.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. High frequency detector. 1,846,888; Feb. 23.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. High frequency magnetron apparatus. 1,860,152; May 24.
McArthur, Leslie, Chicago, Ill., assignor to The Bassick Company, Bridgeport, Conn. Knob for drawers or the like. 1,855,482; Apr. 26.
McAtree, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,845,507; Feb. 16.
McAtree, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,850,352; Mar. 22.
McAvoy, Peter T., Brooklyn, N. Y. Bottle closure 1,886,347; Nov. 1.
McBain, William C., Youngstown, Ohio. Tension device. 1,881,056; Oct. 4.
McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Testing apparatus and method. 1,890,063; Dec. 6.
McBean, Kenneth D. (See Stimmel, B. A., McBean, and Cruickshank.)
McBean, Robert H. (See Bates, A. H., and McBean.)
McBee Binder Company, The. (See Connor, R., Welk, and Zenner, assignors.)
McBee Binder Company. (See Davis, Herbert C., assignor.)
McBee Binder Company. (See Rutkoskie, George A., assignor.)
McBee Binder Company, The. (See Welk, Nelson S., assignor.)
McBee Binder Co., The. (See Welk, N. S., and Zenner, assignors.)
McBerty, Ford H., Wilmington, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Dust catching and quenching device. 1,885,936; Nov. 1.
McBerty, Fred P., Warren, Ohio. Electric welder. 1,857,060; May 3.
McBerty, Robert K., Tarentum, Pa. Producing light weight building materials. 1,842,186; Jan. 19.
McBeth, Raymond D., Fruita, Colo. Clothes basket carrier. 1,864,922; June 28.
McBirney, Stanley W., Toledo, Ohio, dedicated, by mesne assignments, to the People of the United States of America. Stalk cutting apparatus. 1,859,783; May 24.
McBrearty, John, Bryn Mawr, Pa. Shoe. 1,843,952; Feb. 9.
McBride, George A., Muskogee, Okla., assignor to The Pure Oil Company, Chicago, Ill. Centrifugal dye mixer. 1,844,414; Jan. 19.
McBride, Homer, Elyria, Ohio. Barber's comb. 1,841,751; Jan. 19.
McBride, John E. (See Ridge, Hayes E., assignor.)
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Car tank. 1,864,606; June 28.
McBride, Robert P., Hampton, Va. Motor vehicle signal switch. 1,876,717; Sept. 13.
McBride, Robert R., assignor to The Heltzel Steel Form and Iron Company, Warren, Ohio. Batcher. 1,878,874; Sept. 20.
McBrine, L., Company, The. (See Shoemaker, Emanuel J., assignor.)

McCabe, Anthony L., Newtonville, assignor to Erikson Electric Company, Boston, Mass. Lighting unit. 1,888,133; Nov. 22.
McCabe, Anthony L., Newtonville, assignor to Erikson Electric Company, Boston, Mass. Lighting unit. 1,888,734; Nov. 22.
McCabe, Charles J., Long Beach, and I. Schoenholz, Cedarhurst, N. Y. Hand-bag. 1,865,938; July 5.
McCabe, Charles J., Brooklyn, and I. Schoenholz, Cedarhurst, assignors to McCabe and Schoenholz, New York, N. Y. Pocketbook top. 1,857,928; May 10.
McCabe, George D., Chicago, Ill. Stem pressing apparatus. 1,853,241; Apr. 12.
McCabe, George D., Chicago, Ill. Element supporting stem construction. 1,878,286; Sept. 20.
McCabe, Ira E. (See Hunciker, Karl, assignor.)
McCabe, Ira E. (See Schanz, Lewis J., assignor.)
McCabe, Ira E., Chicago, Ill. Electric control for liquid fuel burners. 1,853,244; Apr. 12.
McCabe, Ira E., Chicago, Ill. Electric switch of the mercury tube type. 1,869,603; Aug. 2.
McCabe, Ira E., Chicago, Ill. Constant current transformer actuated control system. 1,881,321; Oct. 4.
McCabe, Ira E., Chicago, Ill. Electrically operated fluid fuel burner control. 1,881,045; Oct. 25.
McCabe, Ira E., Chicago, Ill. Adjustable means for mounting electrical controls. 1,884,046; Oct. 25.
McCabe, Ira E., Chicago, Ill. Control system for fluid fuel burners of the hot wire ignition type. 1,889,447; Nov. 29.
McCabe, Ira E., Chicago, Ill. Safety control system for hot wire ignition in fluid fuel burners. 1,889,448; Nov. 29.
McCabe, Ira E., and K. Hunciker, Chicago, Ill. Manufacture of electric mercury bulb switches. 1,872,070; Aug. 16.
McCabe, James V., Boston, Mass. Indicator attachment for gages or the like. 1,870,941; Sept. 27.
McCabe, John J., Cleveland, Ohio. Combined casing for a clothes washing and extracting machine. Des. 86,923; May 10.
McCabe, John J., Cleveland, Ohio. Washing machine casing. Des. 87,897; Oct. 4.
McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine. 1,861,640; June 7.
McCabe, John J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens blocking device. Re18,569; Aug. 16.
McCabe, John J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Glass crumbling machine. 1,862,194; June 7.
McCabe, John T., Cornopolis, Pa. Filling device. 1,882,668; Oct. 18.
McCabe and Schoenholz, Inc. (See McCabe, C. J., and Schoenholz, assignors.)
McCabe, Warren L., Ann Arbor, Mich., and B. Mead, Belmont, Mass., assignors to Standard Oil Development Company. Nonsudging oil and making the same. 1,857,761; May 10.
McCabe, William F., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 86,620; Mar. 29.
McCabe, William F., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 87,437; July 26.
McCabe, William T., Los Angeles, Calif. Liquid displacing apparatus. 1,858,407; May 17.
McCadin, Francis D., Baltimore, Md. Machine for dealing and shuffling playing cards. 1,850,114; Mar. 22.
McCafferty, Frank L., Butler, Pa. Railway vehicle truck. 1,841,662; Jan. 19.
McCafferty, Robert H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Section insulator. 1,870,060; Aug. 2.
McCain, Cecil C., Glen Ellyn, Ill., assignor to Addressograph Company, Jersey City, N. J. Plates for printing and addressing machines. 1,879,811; Sept. 27.
McCain, Frederick E., Detroit, Mich. Loading station and platform. 1,858,407; May 17.
McCain, George L., Detroit, and K. Pfeiffer, Highland Park, assignors to Chrysler Corporation, Detroit, Mich. Clutch disk. 1,864,252; June 21.
McCain, George L., and K. Pfeiffer, Detroit, Mich. Clutch disk. 1,865,327; June 28.
McCaine, Henry E., Atlantic City, N. J. Automobile direction indicator. 1,861,126; May 31.
McCaleb, Albert G. (See Branch, Le Roy O., assignor.)
McCaleb, Albert G. (See Lecarpentier, George H., assignor.)
McCaleb, Albert G., Evanston, Ill. Engine circulating system. 1,861,809; June 7.
McCaleb, Albert G., Evanston, assignor to Pines Winterfront Company, Chicago, Ill. Engine shutter apparatus. 1,844,473; Feb. 9.
McCaleb, Albert G., Evanston, assignor to Pine Winterfront Company, Chicago, Ill. Shutter control device. 1,853,870; Apr. 12.
McCall, Charles S. (See Brasington, John M., assignor.)
McCall, H. C., et al. (See Adams, Alexander S., assignor.)
McCall, William B., Cincinnati, Ohio. Control means for power transmission devices. 1,839,571; Jan. 5.
McCall, William H., Glendale, assignor to Heat-O-Matic Electrical Device Corporation Ltd., Los Angeles, Calif. Electric heat control. 1,859,927; May 24.
McCall, William W., Kansas City, Mo. Spinning top. 1,864,843; June 28.
McCallen, Perry S. (See Sanford, H. W., and McCallen.)
McCallen, Perry S., assignor to H. W. Sanford, Knoxville, Tenn. Mine car. 1,888,135; Nov. 15.
McCalum, James R. (See Alexander, R. L., and McCallum.)
McCallum, Jean. (See Newnam, W. E., and McCallum.)
McCallum, John S., Goldfield, Iowa. Road maintenance machine. 1,871,549; Aug. 16.
McCalmont, Edward G., West Englewood, N. J. Duplicator. 1,884,788; Oct. 25.
McCambridge, John P., Washington, D. C. Corrosion preventing composition. 1,847,015; Feb. 23.
McCandless, Byron, U. S. Navy. Portable lamp. 1,870,687; Aug. 9.
McCandless, Harry E., Rochester, N. Y. Infant's combination dressing table and bathtub. 1,867,673; July 19.
McCandless, Harry E., Rochester, N. Y. Child's toilet seat. 1,867,674; July 19.
McCandless, Harry E., assignor to Kennedy-McCandless Corporation, Rochester, N. Y. Folding crib. 1,878,958; Sept. 20.
McCandless, L. L. (See Bell, William E., assignor.)
McCandless, W. W. (See Gibson, R. P., and Woody, assignors.)
McCanlis, Albert T., Brooklyn, N. Y. Awning. 1,881,366; Oct. 4.
McCann, Clyde D., Des Moines, Iowa. Advertising device. 1,840,325; Jan. 12.
McCann, Clyde D., assignor to Capital City Electric Company, Des Moines, Iowa. Combination light fixture and mirror. Des. 87,309; July 5.
McCann, Clyde F., San Francisco, Calif. Radio clock system. 1,881,818; Oct. 11.
McCann, George K., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,079; Aug. 30.
McCann, George M., New Castle, Ind. Gun. 1,866,938; July 12.
McCann, Harry P., Cleveland, Ohio. Conveyer and operating mechanism therefor. 1,852,664; Apr. 5.
McCann, James. (See Mino, E., McCann, Fischer, and Radcliffe.)
McCann, John F. (See Clark, Walter W., and McCann, assignors.)
McCann, John H. Chicago, Ill. Protective cover for bathtubs and the like. 1,841,143; Jan. 12.
McCann, Paul S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding and reeling device. 1,857,817; May 10.
McCann, Paul S., La Grange, and W. C. Spousta, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Container handling and dumping device. 1,855,862; Apr. 26.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,845,308; Feb. 16.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,870,877; Sept. 6.
McCann, Ronald A., assignor to The Union Switch & Signal Co., Swissvale, Pa. Railway traffic controlling apparatus. 1,888,863; Nov. 22.
McCann, Thomas A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Reduction of interference. 1,843,230; Feb. 2.
McCargar, Joseph R. (See Richardson, Bayard E., assignor.)
McCargar, Joseph R., Grand Rapids, Mich. Desk. Des. 85,948; Jan. 5.
McCarroll, Edward W., Chicago, Ill. Vanity bench. 1,858,325; Nov. 22.
McCarroll, Ray, assignor of forty-nine per cent to L. W. Weeks, La Grande, Oreg. Air backling attachment for scutching machines. 1,843,236; Feb. 2.
McCarroll, Russell H., and G. Vennerholm, assignors to Ford Motor Company, Dearborn, Mich. Malleablizing iron. 1,871,543; Aug. 16.
McCarroll, Russell H., and G. Vennerholm, assignors to Ford Motor Company, Dearborn, Mich. Cast iron article and manufacturing thereof. 1,871,544; Aug. 16.
McCarroll, Russell H., and G. Vennerholm, assignors to Ford Motor Company, Dearborn, Mich. Manufacturing cast iron and cast iron articles. 1,871,545; Aug. 16.
McCarroll, Walker W., New Haven, Conn. Shipping-container for printing plates, electrotypers' mats, etc. 1,890,467; Dec. 13.
McCarten, Reuben, assignor of one-fourth to E. Barnard, Saginaw, Mich. Lamp attachment. 1,846,345; Feb. 23.
McCarter, Louis N., Norristown, assignor to Woodworking Machinery Company, Philadelphia, Pa. Sliding saw. 1,867,275; July 12.
McCarthy Business Machines Co. (See McCarthy, Florence, assignor.)
McCarthy, Charles J., Bridgeport, Conn., assignor of one-half to M. T. Weston, New York, N. Y. Impact wrench. 1,850,239; Mar. 22.
McCarthy, Daniel L., Pearl Harbor, Honolulu, Hawaii. Soap. 1,854,268; Apr. 19.
McCarthy, Edward J. (See Bown, G. C., and McCarthy.)
McCarthy, Edward W., Buffalo, N. Y. Educational toy. 1,850,115; Mar. 22.
McCarthy, Ernest, Orlando, Fla. Fruit drier. 1,890,397; Dec. 6.

McCarthy, Florence, assignor, by mesne assignments, to McCarthy Business Machines Co., Inc., New York, N. Y. Gathering and inserting machine. 1,878,590; Sept. 20.

McCarthy, J. C., assignor to Armstrong Cork Company, Lancaster, Pa. Surface decoration. 1,872,907; Aug. 23.

McCarthy, J. C., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum and making the same. 1,872,908; Aug. 23.

McCarthy, J. C., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Ornamentation of hard surface-covering materials. 1,872,909; Aug. 23.

McCarthy, J. C., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Ornamentation of surface covering materials. 1,873,000; Aug. 23.

McCarthy, J. C., assignor to Armstrong Cork Company, Lancaster, Pa. Embossed floor covering. 1,873,001; Aug. 23.

McCarthy, J. Clarence. (See Humphreys, C. F., and McCarthy.)

McCarthy, J. Clarence, assignor to Armstrong Cork Company, Lancaster, Pa. Surface ornamentation. 1,855,749; Apr. 26.

McCarthy, J. Clarence, assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for decorating flexible surface covering material. 1,862,189; June 7.

McCarthy, John A., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Shinzie. 1,842,761; Jan. 26.

McCarthy, John E., Chicago, Ill. Gear shifting mechanism. 1,881,819; Oct. 11.

McCarthy, John J., Malden, Mass. Speed changing transmission mechanism. 1,867,227; July 12.

McCarthy, John J., Philadelphia, Pa. Support or stand for stationery. 1,840,783; Jan. 12.

McCarthy, Robert P., Webster Groves, assignor to International Shoe Company, St. Louis, Mo. Shoe. 1,878,419; Sept. 20.

McCarthy, Timothy B., Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc. Pressing machine. 1,880,100; Sept. 27.

McCartney, John H., San Francisco, Calif., assignor, by mesne assignments, to Turbo-Mill Company, Ltd. Grinding. 1,877,517; Sept. 13.

McCartney, Will C., Cambridge, Ohio. Decanter or similar article. 1,867,966; Sept. 27.

McCartney, Will C., Cambridge, Ohio. Goblet or similar article. Des. 87,932; Oct. 11.

McCartney, Will C., Cambridge, Ohio. Plate or similar article. Des. 88,102; Oct. 25.

McCarty, Frank L., Rock Springs, Wyo.; G. H. Ernsbarger, South Pasadena, Calif., and J. V. Macdonald, Rock Springs, Wyo., assignors, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for reciprocating conveyers. 1,856,191; May 3.

McCarty, Frank L., Rock Springs, Wyo., assignor, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Loading attachment for conveyer mechanism. 1,870,292; Aug. 9.

McCarty, Orin P., and A. Boyajian, Pittsfield, Mass., assignors to General Electric Company. Electrical frequency changer. 1,875,250; Aug. 30.

McCarty, Richard J., jr. (See Froelich, C. H., and McCarty.)

McCarty, Richard J., jr., Bethlehem, Pa., assignor to Bethlehem Steel Company. Valve. 1,864,605; June 28.

McCarty, Robert L., jr., Edgewood, Pa. Finger ring. Des. 87,164; June 14.

McCarty, Roy A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Clutch motor. 1,855,720; Apr. 26.

McCaskell, Jasper A., Salt Lake City, Utah. Continuous filter. 1,860,937; May 31.

McCaskey Register Company, The. (See Dunning, William E., assignor.)

McCaskey Register Company, The. (See Roath, Robert C., assignor.)

McCaslin, Clifford H., Oakland, Calif. Folding table. 1,876,999; Sept. 13.

McCathron Boiler Works Co., The. (See Hooper, Elmer A., assignor.)

McCaughey, Clyde J., assignor of one-half to R. F. Christy, Bucyrus, Ohio. Feed trough. 1,847,351; Mar. 1.

McCaughey, William J., Columbus, assignor, by mesne assignments, to Basic Dolomite, Incorporated, Maple Grove, Ohio. Refractory product and making same. 1,839,982; Jan. 5.

McCaughley, Michael J., Brooklyn, N. Y. Traffic stanchion. 1,875,878; Sept. 6.

McCauley, Ernest G., Dayton, Ohio. Fluid pressure control system. 1,880,510; May 31.

McCauley, Gordon C., Boston, and Joseph L. Hallett, Braintree, Mass. Accessory unit for domestic freezing apparatus. 1,880,021; Sept. 27.

McCauley, Myron D., Royal Oak Township, Oakland County, Mich. Map displaying mechanism. 1,847,722; Mar. 1.

McCauley, Thomas, jr., and P. B. Rudolf, Oak Park, Ill. Device for use in constructing underground wall structures and building supports and method of using said devices. 1,847,842; Mar. 1.

McCauley, William A., assignor of one-third to J. L. Raleigh, Tulsa, Okla. Cooking apparatus. 1,858,636; May 17.

McCauley, William T., Fallowfield, Ontario, Canada. Back rest. 1,865,030; June 28.

McCauley, John E., San Francisco, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,848,040; Mar. 8.

McCaw, William E. (See Dinkel, Andrew J., assignor.)

McCawley, Albert S. (See Douglass, P. J., and McCawley.)

McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Thickness gauge for film on calender rolls. 1,863,757; June 21.

McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Golf ball winding machine. 1,880,264; Oct. 4.

McChesney, David, Kirkland Lake, Timiskaming, Ontario, Canada. Wall-board joint. 1,859,150; Nov. 29.

McChesney, George W., jr., Rouses Point, and M. C. Northrup, Ogdensburg, N. Y. Tree guard. 1,874,779; Aug. 30.

McChesney, John S., Chicago, Ill. Vise. 1,850,178; Mar. 22.

McClafferty, Edward R., Pittsburgh, Pa. Automatic oil separator. 1,871,346; Aug. 16.

McClain, Allen F., sr., Knoxville, Tenn. Race track. 1,877,471; Sept. 13.

McClaren Rubber Company. (See Miller, Charles G., assignor.)

McClarkey, Roy, and L. C. Huffman, Valley, Nebr. Safety solder-supporting holder. 1,877,727; Sept. 13.

McClary, Archie W., Oakland, assignor to Welding Service Inc., San Francisco, Calif. Rail joint. Re18,387; Mar. 15.

McClatchie, John M., assignor to The Borden Company, New York, N. Y. Cover replacing device for can washing machines. 1,868,577; July 26.

McClatchie, John M., assignor to The Borden Company, New York, N. Y. Air nozzle. 1,873,002; Aug. 23.

McClatchie, Stanley, Stuttgart, Germany. Silencing vacuum cleaners. 1,847,352; Mar. 1.

McClatchie, Stanley, Cleveland Heights, assignor to Apex Electrical Manufacturing Company, Cleveland, Ohio. Suction cleaner. 1,856,123; May 3.

McClaughry, Richard S., assignor to Standard Oil Company, Whiting, Ind. Grinding compound. 1,855,195; Apr. 26.

McClaughry, Richard S., and R. Skowronski, assignors to Standard Oil Company, Whiting, Ind. Ornamental candle. 1,863,758; June 21.

McClave-Brooks Company. (See Grohn, Henry P., assignor.)

McClay, Roy C., Los Angeles, assignor to First National Productions Corporation, Burbank, Calif. Coloring motion picture films. 1,853,445; Apr. 12.

McCleary Bros. Inc. (See Speer, William K., assignor.)

McCleary, Fred E., Detroit, K. C. Babo, Clawson, and H. Rayner, assignors to Chrysler Corporation, Detroit, Mich. Hardening apparatus. 1,852,621; Apr. 5.

McCleary, Harry C., Washington, D. C. Storage battery post clamp. 1,855,683; Apr. 26.

McCleary, Henry R., assignor to Wilson-Jones Company, Chicago, Ill. Pamphlet binder. 1,843,575; Feb. 2.

McCleary, Henry R., Oak Park, Ill., assignor to Wilson-Jones Company. Pamphlet loose leaf file. 1,843,608; Feb. 2.

McCleary, Henry R., Oak Park, Ill., assignor to Wilson Jones Company. Ring book. 1,889,560; Nov. 29.

McCleary Hydraulic Brake Company. (See Kauffman, Paul R., assignor.)

McCleary, Lorin D., Indianapolis, Ind. Internal combustion engine. 1,876,532; Sept 6.

McCleary, Harold L., Downers Grove, assignor to A. J. Cline, Chicago, Ill. Inching mechanism for printing presses. 1,857,818; May 10.

McClellan, Harry S. (See Churgay, L. A., and McClellan.)

McClellan, Leslie N., P. A. Kinzie, J. L. Savage, and C. M. Day, assignors to Universal Hydraulic Corporation, Denver, Colo. Combined flow control and check valve. 1,856,222; May 3.

McClellan, Robert K., Los Angeles, Calif. Visor. 1,884,047; Oct. 25.

McClellan, Thomas L. (See Regua, M., and McClellan.)

McClellan, William. (See Curran, F. J., and McClellan.)

McClelland, A. J. (See Campbell, Earl E., assignor.)

McClenahan, James S., New York, N. Y. Electrolytic apparatus. 1,844,320; Feb. 9.

McClintic, Howard H., assignor to McClintic-Marshall Company, Pittsburgh, Pa. Apparatus for positioning structural members for drilling and like operations. 1,873,547; Aug. 23.

McClintic-Marshall Company. (See Boone, Harry S., assignor.)

McClintic-Marshall Company. (See McClintic, Howard H., assignor.)

McClintic-Marshall Corporation. (See Overholtz, George D., assignor.)

McClintic-Marshall Corporation. (See Broderick, John C., assignor.)

McClintic-Marshall Corporation. (See Marshall, Charles D., assignor.)

McClintic-Marshall Corporation. (See McClintic, Robert H., assignor.)

McClintic, Robert H., Pittsburgh, Pa., assignor, by mesne assignments, to McClintic-Marshall Corporation. Spacing table for machines for punching beams and the like. 1,875,080; Aug. 30.

McClintock, James W., assignor to E-Z Reach Paper Cutter Corporation, Ltd., Los Angeles, Calif. Roll paper holder. 1,840,120; Jan. 5.

McClintock, James W., assignor to E-Z Reach Paper Cutter Corporation, Ltd., Los Angeles, Calif. Roll paper cutter. 1,865,399; June 28.

McClintock, O. B., Company. (See Hanson, E. C., and Popp, assignors.)

McClintock, O. B., Company. (See Hanson, E. C., and Soderholm, assignors.)

McClintock, O. B., Co. (See McClintock, Oliver B., assignor.)

McClintock, Oliver B., assignor to O. B. McClintock Co., Minneapolis, Minn. Bullet-resisting partition. Des. 67,477; Aug. 2.

McClintock, William. (See Pearne, F. Y., and McClintock.)

McClintock, William, and R. Lacy, assignors to Pacific Clay Products, Los Angeles, Calif. Apparatus for making interlocking multiple duct conduits. 1,873,445; Aug. 23.

McClintock, William, and F. Y. Pearne, assignors to Pacific Clay Products, Los Angeles, Calif. Balanced valve assembly. 1,873,446; Aug. 23.

McClintock, William S., jr., Chicago, Ill. Frequency meter. 1,889,128; Nov. 29.

McCloskey, Ernest D., Altoona, Pa. Water level indicating device. 1,879,371; Sept. 27.

McCloskey, G. E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Fume arrestor for cupola furnaces. 1,884,048; Oct. 25.

McCloskey, Gregory E., South Orange, N. J., and W. B. Wingo, Detroit, Mich., assignors to The Barrett Company, New York, N. Y. Production of pitch and apparatus therefor. 1,871,628; Aug. 16.

McCloud, Don B., Duquoin, Ill. Explosive cartridge. 1,863,921; June 21.

McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Door for hangars and the like. 1,884,284; June 7.

McClure, Hugh M., Kearney, Nebr. Tobacco pipe. 1,878,506; Sept. 20.

McClure, James C. (See Jacobsen, A. J., and McClure.)

McClure, Raymond R., Pittsburgh, and J. W. Church, Carnegie, assignors to Pure Calcium Products Company, Philadelphia, Pa. Filler and reinforcing pigment for plastics and making the same. 1,843,576; Feb. 2.

McClurkin, John C., and A. Stallard, Lakin, Kans. Hay baler. 1,881,284; Oct. 4.

McColl, Archibald I., Kalamazoo, Mich. Toilet seat. 1,843,778; Feb. 2.

McCollum, Ira L., Villa Grove, Ill. Electric can opener. 1,892,582; Dec. 27.

McCollough, George W. and M., Webster City, Iowa. Hog feeder. 1,851,820; Oct. 13.

McCollough, McKinley. (See McCollough, George W. and M.)

McCollum, Alfred F., assignor to The Mazee Carpet Co., Bloomsburg, Pa. Sewing machine. 1,885,124; Nov. 1.

McCollum, Alfred F., and T. H. Rush, assignors to The Mazee Carpet Co., Bloomsburg, Pa. Pile fabric. 1,877,679; Sept. 13.

McCollum, Earl E., assignor, by mesne assignments, to McCollum Hoist & Mfg. Co., Downers Grove, Ill. Electric control mechanism. 1,849,405; Mar. 15.

McCollum, Henry J. D. and J. H. K., Long Branch, N. J. Vacuum power clutch. 1,858,999; May 17.

McCollum, Henry J. D., and J. H. K. McCollum, Long Branch, N. J. Clutch controlling mechanism. 1,890,398; Dec. 6.

McCollum Hoist & Mfg. Co. (See McCollum, Earl E., assignor.)

McCollum, James H. K. (See McCollum, H. J. D. and J. H. K.)

McCollum, William, assignor to Tingley Reliance Rubber Corporation, Rahway, N. J. Splash guard. 1,864,456; June 21.

McComas, Joe M., Liberty, Mo. Grave marker. 1,853,772; Apr. 12.

McComas, Mark, Denison, assignor, by mesne assignments, of one-half to C. E. Stanton, Dallas, Tex. Drifting valve. 1,848,019; Mar. 1.

McComb, Henry G., Chicago, Ill., assignor to Servel, Inc., New York, N. Y. Adjustable shelf. 1,879,372; Sept. 27.

McComb, Herbert, Gary, Ind. Utilizing certain by-products of coke and steel plants. 1,879,373; Sept. 27.

McCombes, Esther W., administratrix. (See McCombes, Robert E.)

McCombes, Robert E., deceased; Esther W. McCombes, administratrix, Buffalo, N. Y. Neon tube by-pass. 1,884,789; Oct. 25.

McCombie, Earle D., Marquette, Mich. Portable draft screen. 1,891,002; Dec. 13.

McCombs, William A., New York, and H. C. Parke, Brooklyn, N. Y. Electrical discharge illuminated sign. 1,879,374; Sept. 27.

McComiskey, William F. (See Larsen, A., and McComiskey.)

McConahay, Ray H., Wooster, Ohio, assignor of one-half to B. W. Hammeth. Well-depth measuring device. 1,890,159; Dec 6.

McConkey, Montgomery W. (See Lyman, K. E., and McConkey.)

McConkey, Montgomery W., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Wheel. 1,843,609; Feb. 2.

McConkey, Montgomery W., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,848,258; Mar. 8.

McConkey, Montgomery W., assignor to Bendix Brake Company, South Bend, Ind., Brake. 1,848,259; Mar. 8.

McConkey, Montgomery W., assignor to Bendix Brake Company, South Bend, Ind. Making brakes. 1,875,081; Aug. 30.

McConkey, Montgomery W., and E. G. McDonald, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,875,082; Aug. 30.

McConkey, Montgomery W., assignor to Bendix Brake Company, South Bend, Ind. Manual electric braking system. 1,882,852; Oct. 18.

McConkey, Thomas C., Westmount, and Georges Picard, assignors, by mesne assignments, to The Stead Hall Anchor Company, Limited, Montreal, Quebec, Canada. 1,866,897; July 12.

McConkie, James E., Portland, Oreg., and R. H. Lueck, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Corrosion inhibition. 1,884,790; Oct. 25.

McConnel, Frederic W., Martley, and A. Humphries, Worcester, England. Bobbin. 1,862,694; June 14.

McConnell, Alfred F., assignor to The Permutit Company, New York, N. Y. Purification of viscose. 1,852,466; Apr. 5.

McConnell, Elliott B., Shaker Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Fractionating column equipment. 1,865,400; June 28.

McConnell, Ellis E., Portland, Oreg. Logging hook. 1,884,040; Jan. 19.

McConnell, George. (See Dovell, H. H., McConnell, and Renz, assignors.)

McConnell, George. (See McConnell, Robert S., assignor.)

McConnell, Glenver, Tulsa, Okla., assignor to Shell Petroleum Corporation. Well drilling and pumping apparatus. 1,843,201; Feb. 2.

McConnell, John R. (See Black, J. C., Rial, and McConnell.)

McConnell, Max T., assignor of one-half to A. R. Rubager, Westfield, Pa. Automatic safety switch for radio apparatus. 1,869,068; July 26.

McConnell, Robert S. (See Dovell, H. H., McConnell, and Renz.)

McConnell, Robert S., assignor to G. McConnell, doing business as The Desmond-Stephan Mfg. Co., Urbana, Ohio. Grinding wheel dresser. 1,864,658; June 28.

McConoughey, Merle S., Tucson, Ariz., assignor to Congoleum-Nairn, Inc. Making linoleum. 1,873,844; Aug. 23.

McConway & Torley Company, The. (See Dunbar, Harold F., assignor.)

McConway & Torley Company, The. (See George, Enoch, jr., assignor.)

McConway & Torley Company, The. (See Kelso, William, assignor.)

McConway & Torley Company, The. (See McConway, W., jr., and Kelso, assignors.)

McConway & Torley Company, The. (See Miller, Howard C., assignor.)

McConway & Torley Company, The. (See Regan, William J., assignor.)

McConway & Torley Company, The. (See Regan, W. J., and George, assignors.)

McConway, William, jr., and W. Kelso, assignors to The McConway & Torley Company, Pittsburgh, Pa. Car coupling. 1,844,968; Feb. 16.

McCool, Peter F., Hackensack, N. J. Metal structural unit. 1,851,110; July 26.

McCord, Claude M., Memphis, Tenn. Battery plate pasting machine. 1,855,918; Apr. 26.

McCord, Don C., St. Louis, Mo., and G. S. Bataille, Royal Oak, Mich., assignors to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerator. 1,888,043; Nov. 15.

McCord, Frederick E., assignor to W. J. Kenney, Chicago, Ill. Mechanism for feeding measured quantities of liquid. 1,751,927; Mar. 29.

McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)

McCord Radiator & Mfg. Co. (See Drott, Louis W., assignor.)

McCord Radiator & Manufacturing Company. (See Hawkins, Rert H., assignor.)

McCord Radiator & Mfg. Co. (See Hicks, Frederick W., assignor.)

McCord Radiator & Mfg. Co. (See Hyde, Rollin M., assignor.)

McCord Radiator & Mfg. Co. (See Owston, Charles W., assignor.)

McCord Radiator & Mfg. Co. (See Pickbard, George H., assignor.)

McCormack, Alex A., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,840,045; Jan. 5.

McCormack, Daniel J., York, Pa., and K. A. Enz, Cleveland, Ohio. Draft tube for water turbines. 1,855,721; Apr. 26.

McCormack, Frank J., Lansdale, Pa. Illuminated license tag and holder. 1,884,049; Oct. 25.

McCormack, Perry R. (See Landrum, John P., assignor.)

McCormick, Bradley, assignor to Wagner Electric Corporation, St. Louis, Mo. Dynamo electric machine. 1,870,292; Aug. 9.

McCormick, Charles P., Baltimore, Md. Spraying apparatus. 1,864,505; June 21.

McCormick & Co. (See Luttrell, James G., assignor.)

McCormick & Co. (See McCormick, Willoughby M., assignor.)

McCormick, Edward A., assignor to Chicopee Manufacturing Corporation, New Brunswick, N. J. Cleaning or polishing fabric and producing it. 1,886,824; Nov. 8.

McCormick, Edward A., assignor to Chicopee Manufacturing Corporation, New Brunswick, N. J. Package of facings. 1,891,979; Dec. 27.

McCormick, Elmer, assignor to John Deere Tractor Company, Waterloo, Iowa. Power lift cultivator. 1,872,314; Aug. 16.

McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Chicago, Ill. Electric heater. 1,855,887; Apr. 26.

McCormick, Francis H., Glen Ellyn, assignor to Edison General Electric Appliance Company, Chicago, Ill. Liquid heater. 1,892,557; Dec. 27.

McCormick, Frank H., and G. A. Schwartz, Wilmington, Del., assignors, by mesne assignments, to The Celastic Corporation, Arlington, N. J. Absorbent paper. 1,857,100; May 3.

McCormick, Frank L., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Controlling device for coin operated musical instruments. 1,851,258; Mar. 29.

McCormick, George C. (See Harris, H. H., and McCormick.)

McCormick, Harold V., Long Beach, N. Y., assignor, by mesne assignments, to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator car and door control linkage mechanism. 1,839,572; Jan. 5.

McCormick, Harold V., Long Beach, N. Y., assignor, by mesne assignments, to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator door operating mechanism. 1,856,718; May 3.

McCormick, Herbert S., Alameda, assignor to J. N. Borroughs, Oakland, Calif. Towel cabinet. 1,873,139; Aug. 23.

McCormick, J. H., & Co. (See Clarkson, Ralph P., assignor.)

McCormick, James A., Morris, Ill. Connecting rod construction. 1,884,050; Oct. 25.

McCormick, John H., Creston, Iowa. Soft-collar clip. 1,882,355; Oct. 11.

McCormick, John H., C. G. Allen, and F. M. Bender, assignors to Vendi Vator, Inc., Williamsport, Pa. Vending machine. 1,843,139; Feb. 2.

McCormick, John H., C. G. Allen, and F. M. Bender, assignors to Vendi Vator, Inc., Williamsport, Pa. Vending machine. 1,866,714; July 12.

McCormick, Lacy B., Greenville, N. C., assignor to Daniel E. Taylor, Norfolk, Va. Game table. 1,877,190; Sept. 13.

McCormick, Thomas J. (See Crocker, Robert R., assignor.)

McCormick, Thomas J., and R. E. Linn, Detroit, Mich.; said Linn assignor to said McCormick. Tire cover. Des. 87,671; Aug. 30.

McCormick, Thomas J., and R. E. Linn, Detroit, Mich.; said Linn assignor to said McCormick. Combined fender and tire cover. 1,846,134; Feb. 23.

McCormick, Thomas J., and R. E. Linn, Detroit, Mich.; said Linn assignor to said McCormick. Tire cover. 1,865,031; June 28.

McCormick, Willoughby M., assignor to McCormick & Co., Incorporated, Baltimore, Md. Bottle. Des. 88,737; Dec. 20.

McCornack, Herbert, Glen Ridge, N. J. Apparatus for milking. 1,859,234; May 17.

McCornack, Herbert, Glen Ridge, N. J. Milking machine. 1,859,214; May 17.

McCornack, Herbert, Glen Ridge, N. J. Pulsator. 1,875,083; Aug. 30.

McCowan, David A., Toronto, Ontario, Canada. Automatic photographing machine. 1,862,190; June 7.

McCown, Donald B. and M. F. Mumma, San Diego, Calif. Sleeping hair net. 1,849,498; Mar. 15.

McCoy, Archie G., and B. W. Sunde, assignors to Blackwell and Sunde Better Surveys, Limited, Long Beach, Calif. Diverting a well drilling tool. 1,851,319; Mar. 29.

McCoy, Harry J. (See Stanbrough, Roy G., assignor.)

McCoy, Philip W., assignor to Surface Combustion Corporation. Toledo, Ohio. Gas burner tip. 1,839,796; Jan. 5.

McCoy, Verl E., Milwaukee, Wis., assignor to L. F. Wilson, Chicago, Ill. Boiler feed apparatus. 1,884,051; Oct. 25.

McCoy, William, Zanesville, Ohio, assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Tile exhibitor. 1,841,620; Jan. 19.

McCracken, Joseph E., assignor to Truscon Steel Company, Youngstown, Ohio. Highway guard. 1,843,398; Feb. 2.

McCracken, Peter B., Oakland, assignor to C. P. Jones and C. Paynter, Grass Valley, Calif. Adjustable splint. 1,843,333; Feb. 2.

McCracken, Robert C., assignor of forty one-hundredths to C. M. Clarke, St. Louis, Mo. Rotary motor. 1,861,706; June 7.

McCracken, Robert C., assignor of forty per cent to C. M. Clarke, St. Louis, Mo. Tube cleaner. 1,881,821; Oct. 11.

McCrady Brothers Company. (See Reed, Arthur G., assignor.)

McCrady, Rodgers Company. (See Games, Archibald H., assignor.)

McCray, Harold E., assignor to John Deere Tractor Company, Waterloo, Iowa. Fan driving mechanism. 1,848,260; Mar. 8.

McCray, Harold E., assignor to John Deere Tractor Company, Waterloo, Iowa. Internal combustion engine. 1,867,582; July 19.

McCray, Harold E., assignor to John Deere Tractor Company, Waterloo, Iowa. Steering mechanism for tractors. 1,873,447; Aug. 23.

McCray, Wilbur D. (See White, W. C., and McCray.)

McCrea, Arthur M., Lamar, Mo. Trap. 1,880,326; Oct. 4.

McCreary, Harold J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Television. 1,849,679; Mar. 15.

McCreary, Harold J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Amplifier. 1,855,863; Apr. 26.

McCreary, Harold J., Chicago, Ill., assignor to General Electric Company. Recording apparatus. 1,864,363; June 21.

McCreath, James, Liverpool, England. Indicating device for vehicles. 1,845,925; Feb. 16.

McCrery, Harold E., Apollo, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Sheet cleaning apparatus. 1,842,619; Jan. 26.

McCrery, Harold E., Apollo, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for treating metal sheets. 1,867,856; July 19.

McCrery, Harold E., Apollo, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Scale removing apparatus. 1,875,401; Oct. 25.

McCrindle, David, and J. B. Medill, assignors to Matthiessen & Hegeler Zinc Co., La Salle, Ill. Mining. 1,892,159; Dec. 27.

McCrosky, Bynum B., Oakland, Calif. Propeller. 1,844,406; Feb. 9.

McCrosky, Fred B., Walnut Park, Calif. Quick return straight line pump jack. 1,891,552; Dec. 20.

McCrosky Tool Corporation. (See Miller, F. P., and Skeel, assignors.)

McCrudden, Frederick R., Moorestown, assignor to National Lock Washer Company, Newark, N. J. Set screw. 1,849,240; Mar. 15.

McCrudden, Frederick R., Moorestown, assignor to National Lock Washer Company, Newark, N. J. Helical spring washer. 1,849,406; Mar. 15.

McCuen, Charles L. (See Hutchinson, R. V., and McCuen.)

McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Engine lubrication. 1,846,267; Feb. 23.

McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Oil cooling system. 1,846,268; Feb. 23.

McCuen, Charles L., J. Dykstra, E. H. Smith, and J. F. Wolfrum, Lansing, assignors to General Motors Corporation, Detroit, Mich. Brake cross shaft. 1,872,160; Aug. 16.

McCullagh, Willis J. (See Allison, S. W., and McCullagh.)

McCullah, Leon, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube. 1,840,121; Jan. 5.

McCulloch, Theodore C., New York, N. Y., and T. R. Goldsborough, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company. Film gate. 1,873,448; Aug. 23.

McCullough, Campbell R. (See Huntress, E. H., McCullough, and Booth.)

McCullough, Campbell R., Anniston, Ala., assignor to Swann Research, Inc. Production of diphenyl monosulphonic acid. 1,865,776; July 5.

McCullough, Campbell R., Anniston, and H. Booth, Birmingham, Ala., assignors to Swann Research, Inc. Wetting and penetrating agents. 1,845,309; Feb. 16.

McCullough, Ervin W., Indianapolis, Ind., Cooked garbage liquor solid and forming same. 1,868,669; July 26.

McCullough, Frederick S., Edgewood, Pa. Thermionic tube. 1,845,310; Feb. 16.

McCullough, Frederick S., Edgewood, Pa. Thermionic tube and circuits for the same. 1,853,281; Apr. 12.

McCullough, Frederick S., Edgewood, Pa. Cathode 1,858,676; May 17.

McCullough, Frederick S., Edgewood Borough, Pa. Electrical discharge device. 1,885,125; Nov. 1.

McCullough, Frederick S., Edgewood, Pa. Thermionic tube. 1,889,449; Nov. 29.

McCullough, Frederick S., Edgewood, Pa. Thermionic tube. 1,892,066; Dec. 27.

McCullough, Gerarold P., San Francisco, Calif. Strop-handle. 1,869,717; May 31.

McCullough, Ida B. (See Bilderback, H. S., and McCullough.)

McCullough, Ira J., Huntington Park, Calif. Jarring tool. 1,848,335; Mar. 8.

McCullough, Ira J., Huntington Park, Calif. Jar. 1,849,879; Mar. 15.

McCullough, Ira J., Huntington Park, Calif. Jarring tool. 1,852,250; Apr. 5.

McCullough, John F., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Chromium stripping bath. 1,863,868; June 21.

McCullough, John F. K., and B. W. Gilchrist, East Orange, N. J., assignors to Ternstedt Manufacturing Company, Detroit, Mich. Electroplating bath. 1,863,869; June 21.

McCullough, Lee W. (See Kehoe, A. H., and McCullough.)

McCullough, Lee W., Yonkers, N. Y. Current controlling or regulating device. 1,868,710; July 26.

McCullough, Orel, et al. (See Tumulty, Charles L., and F. H., assignors.)

McCullough, Paul J. (See Dreibuss, H. C., and McCullough.)

McCullough, Paul J., assignor to Scullin Steel Company, St. Louis, Mo. Sucker rod connection. 1,851,714; Mar. 29.

McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,891,719; Dec. 20.

McCune, Frank B., Hamilton, Ontario, Canada. Hot metal ladle. 1,871,333; Aug. 9.

McCune, Joseph C. (See Parmer, C. C., and McCune.)

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake. 1,842,477; Jan. 26.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic car dump control. 1,850,595; Mar. 22.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,850,596; Mar. 22.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake device. 1,854,712; Apr. 19.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety brake device. 1,860,424; May 31.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and power controller. 1,860,426; May 31.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake device. 1,865,124; June 28.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake regulator. 1,865,125; June 28.

McCune, Joseph C., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,865,126; June 28.

McCune, Joseph C., Edgewood, and J. B. Wright, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Dirt collector. 1,860,425; May 31.

McCune, Joseph C., Edgewood, assignor The Westinghouse Electric & Manufacturing Company, Wilmerding, Pa. Brake and door interlock. 1,870,861; Aug. 9.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car control equipment. 1,872,481; Aug. 16.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnet supporting device. 1,879,702; Sept. 27.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,879,703; Sept. 27.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Traction increasing device.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Co., Wilmerding, Pa. Fluid pressure brake. 1,881,209; Oct. 4.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hold back valve device. 1,881,210; Oct. 4.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Signal horn. 1,881,211; Oct. 4.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,887,597; Nov. 15.

McCune, Joseph C., Edgewood, and S. Johnson, jr., Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Vacuum operated horn. Re18,682; Dec. 6.

McCune, Lewis E., Los Angeles, Calif. Well pump. 1,852,251; Apr. 5.

McCune, Samuel W., jr., Oak Creek, Wis., assignor, by mesne assignments, to Newport Industries, Inc. Process and apparatus for making rosin size emulsions. 1,846,220; Feb. 23.

McCurdy, George R., Wilmette, and J. R. Turek, Berwyn, assignors to Crane Co., Chicago, Ill. Shower head. 1,891,720; Dec. 20.

McCurdy, Ralph G. (See Chapman, A. G., and McCurdy.)

McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Filter arrangement. 1,848,237; Mar. 8.

McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Submarine cable. 1,849,193; Mar. 15.

McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Multiple coaxial conductor system. 1,855,303; Apr. 26.

McCurley, Charles. (See Grochs, O. J., Mitchell, and McCurley.)

McCurrach, Mabel C., Brooklyn, N. Y. Longitudinally folding breathable necktie. 1,891,477; Dec. 20.

McCurrie, Matthew, San Francisco, Calif. Lethal apparatus. 1,849,194; Mar. 15.

McCutchan, Winifred N. (See Christensen, L. M., and McCutchan.)

McCutcheon, Frank G., East St. Louis, Ill., assignor to Oneida Community, Limited, Oneida, N. Y. Recovering certain metals of the third periodic group. 1,855,455; Apr. 26.

McCutcheon, Frank G., East St. Louis, Ill., assignor to Oneida Community, Limited, Oneida, N. Y. Recovering certain metals of the third periodic group. 1,886,825; Nov. 8.

McCutcheon, James D., Pittsburgh, Pa. Cutting torch. 1,860,046; May 24.

McCutcheon, Kenneth C., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Recirculation of waste gases in the open hearth furnace. 1,874,328; Aug. 30.

McDaniel, Charles H. (See McDaniel, Howard H. and C. H.)

McDaniel, Howard H. and C. H., Beaumont, Tex. Safety device for hoisting cages. 1,861,930; June 7.

McDavitt, Alfred A. (See Moulton, Warren I., assignor.)

McDavitt, Marcellus B., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone exchange system. 1,859,404; May 24.

McDermet, John R., assignor to Elliott Company, Jeannette, Pa. Method and apparatus for deserating. 1,857,650; May 10.

McDermott, Frank A. (See Calcott, W. S., and McDermott.)

McDermott, Frank A. (See Izsak, A., and McDermott.)

McDermott, Harry H., Chicago, Ill., assignor to The Prosperity Company, Inc. Reflective mechanism for steam presses. 1,857,601; May 10.

McDermott, John C., Indiana, Pa. Loader. 1,862,230; June 7.

McDermott, Peter J., Salt Lake City, Utah. Seat raiser and vacancy indicator. 1,888,136; Nov. 15.

McDermott, Thomas A., and A. Meehan, New York, N. Y.; said McDermott assignor to said Meehan. Buckle for belts or straps. 1,856,776; May 3.

McDevitt, Edward L., assignor to F. F. Barham, Los Angeles, Calif. Protecting frame for rolls of paper. 1,859,521; May 24.

McDevitt, Henry J., Philadelphia, Pa., assignor to Aircraft Specialties, Inc. Piston ring compressor. 1,849,532; Mar. 15.

McDonald, Charles B., assignor to Wilcox Products Corporation, Detroit, Mich. Forming tappets. 1,845,311; Feb. 16.

McDonald, Charles D., and B. A. Deisch, Chicago, Ill., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Can testing machine. 1,861,542; June 7.

McDonald, Charles L. (See Stair, D. E., and McDonald.)

McDonald, Dale F., Evanston, Ill. Combination convertible passenger automobile body. 1,866,898; July 12.

McDonald, Donald, Davenport, Iowa. Oil mop. 1,855,250; Apr. 26.

McDonald, Earl E., Kirklin, Ind. Fence protector. 1,856,841; May 3.

McDonald, Edward F., Buffalo, N. Y., assignor to Faries Manufacturing Company, Decatur, Ill. Smoker stand. Des. 86,174; Feb. 9.

McDonald, Edward F., Buffalo, N. Y., assignor to Faries Manufacturing Company, Decatur, Ill. Smoker stand. Des. 86,175; Feb. 9.

McDonald, Edward F., Buffalo, N. Y., assignor to Faries Manufacturing Company, Decatur, Ill. Smoker stand. Des. 86,176; Feb. 9.

McDonald Engineering Corporation. (See Fredsell, Charles R., assignor.)

McDonald, Eugene G. (See McConkey, M. W., and McDonald.)

McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,855,407; Apr. 26.

McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Connection. 1,872,315; Aug. 16.

McDonald, Guy A. (See Lindberg, N. C., and McDonald.)

McDonald, Guy A. (See Woodstock, W. H., and McDonald.)

McDonald, Harry H., assignor of one-third to T. C. Brandle, St. Louis, Mo. Exhaust gas burning attachment for all internal combustion engines. 1,558,637; May 17.
McDonald, Harry R., Dunkirk, Ind. Paper holder. 1,843,622; Feb. 2.
McDonald, Harry R., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind. Glass jar. Des. 86,621; Mar. 29.
McDonald, Harry R., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind. Glass jar. Des. 86,730; Apr. 12.
McDonald, Harry R., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind. Cruet or similar container. Des. 87,014; May 24.
McDonald, Herman M., Wilmette, Ill. Combination garment. 1,876,311; Sept. 6.
McDonald, James O., Dallas, Tex. Carbon card index. 1,827,195; Dec. 29.
McDonald, John B., assignor to The Edwin M. Knowles China Company, East Liverpool, Ohio. Pitcher or similar article. Des. 87,121; June 7.
McDonald, John B., assignor to The Edwin M. Knowles China Company, East Liverpool, Ohio. Covered dish or similar article. Des. 87,121; June 7.
McDonald, John B., assignor to The Edwin M. Knowles China Company, East Liverpool, Ohio. Plate or similar article. Des. 87,122; June 7.
McDonald, John B., assignor to The Edwin M. Knowles China Company, East Liverpool, Ohio. Cup or similar article. Des. 87,123; June 7.
McDonald, Joseph J., Lansford, Pa. Dispensing cap. 1,862,973; June 14.
McDonald, Lawrence S., Tacoma, Wash. Golf bag supporting attachment. 1,880,351; Oct. 4.
McDonald, Louis N., Youngstown, Ohio. Casting ingots. 1,888,604; Nov. 22.
McDonald, Max S., Knoxville, Tenn. Cheese cutter. 1,848,186; Mar. 8.
McDonald, Steve S., Los Angeles, Calif. Vehicle wheel. 1,861,310; May 31.
McDonald, Thomas J., New York, N. Y. Steam washing machine. 1,852,179; Apr. 5.
McDonald, William L., Geneva, N. Y. Buckle. 1,852,585; Apr. 5.
McDonald, William R., assignor to L. H. Stark, Los Angeles, Calif. Automatic weighing device. 1,848,833; Mar. 8.
McDonnell, Aloysius S., Chicago, Ill. Lock-nut. 1,885,459; Nov. 1.
McDonnell, Edward J., Groveton, N. H. Fourdrinier machine. 1,856,347; May 3.
McDonnell, Edward J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Regulator. 1,881,057; Oct. 4.
McDonnell, Everett N., L. B. Miller and O. F. Carlson, Chicago, Ill., assignors, by mesne assignments, to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Controlling apparatus for steam boilers and the like. 1,854,619; Apr. 19.
McDonnell, James S., jr., Chicago, Ill. Airplane. 1,862,902; June 14.
McDonough, Frank L. (See Tower, M. L., Dye, and McDonough.)
McDonough, John, Chicago, and D. D. Rock, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Workholding fixture. 1,871,408; Aug. 9.
McDonough, Joseph G., deceased. New Orleans, La.; L. A. McDonough, administratrix. Process of and apparatus for treating and marking lumber. 1,853,773; Apr. 12.
McDonough, Joseph G., deceased. New Orleans, La.; Louise A. McDonough, administratrix. Lumber grade marking machine. 1,863,229; June 14.
McDonough, Lawrence E., Chicago, Ill. Plaiting machine. 1,888,222; Nov. 22.
McDonough, Louise A., administratrix. (See McDonough, Joseph G.)
McDougal, Taine G., assignor to A C Spark Plug Company, Flint, Mich. Ceramic wares and method of manufacture. 1,862,974; June 14.
McDougal, Taine G., assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,872,778; Aug. 23.
McDougall, Alexander M., Chicago, Ill. Vessel. Re18,350; Feb. 9.
McDougall, George F., Portland, Oreg., assignor, by direct and mesne assignments, to Oregon Textile Machines, Inc. Fringe making machine. 1,868,711; July 26.
McDougall, Gilbert W., Erie, Pa. Gas meter indicating dial face. Des. 86,382; Mar. 1.
McDougall, James, Glasgow, Scotland. Distilling apparatus. 1,886,037; Nov. 1.
McDuff, William J., Newport, N. H. Link-by-link pulling mechanism. 1,845,758; Feb. 16.
McDow, Everett E., Wilmette, assignor to Antiseptol Liquid Soap Company, Chicago, Ill. Dispensing device. 1,886,288; Nov. 1.
McDow, George N., Susanville, Calif. Amalgamator. 1,854,269; Apr. 19.
McDowall, Andrew, Drem, East Lothian, Scotland. Tractor. 1,854,052; Apr. 12.
McDowall, John L. (See Horscroft, Theodore, assignor.)
McDowell, Daniel L., assignor of one-half to J. A. Thompson, Taylor, Tex. Posthole digger. 1,888,929; Nov. 22.
McDowell, Hugh, jr., Los Angeles, Calif., assignor to Radio-Keith-Orpheum Corporation. Sound recording. 1,855,197; Apr. 26.
McDowell, Thomas E., assignor to The Tyle-National Company, Chicago, Ill. Electric machine. 1,862,543; June 14.
McEachern, Dougald, Duncan, British Columbia, Canada. Waterproof joint. 1,874,505; Aug. 30.
McEachern, John A., Homer, La. Road machine. 1,865,328; June 28.
McEachern, Joseph H., San Anselmo, assignor to Standard Oil Company of California, San Francisco, Calif. Display rack for bottles. Des. 87,438; July 26.
McEachern, Joseph H., San Anselmo, assignor to Standard Oil Company of California, San Francisco, Calif. Display rack for bottles. Des. 87,439; July 26.
McEachron, Edgar J. (See Ruhoff, O. E., and McEachron.)
McEachron, Karl B., Pittsfield, Mass., assignor to General Electric Company. Rectification of alternating currents. 1,857,160; May 10.
McElhiney, James R., Vandergrift, Pa., assignor to American Sheet and Tin Plate Company. (Pickling ferrous metals. 1,892,312; Dec. 27.
McElhiney, Robert S., Studebaker, Ohio. Gap indicating mechanism for railway switch signals. 1,885,460; Nov. 1.
McElhiney, James J., Surrey Hills, Victoria, Australia. Internal combustion engine. 1,882,513; Oct. 11.
McElhoim, James F., Lowell, Mass. Telephone system. 1,850,683; Nov. 29.
McElroy, Bessie, Chicago, Ill. Grave form. 1,851,052; Mar. 29.
McElroy, Bessie, Chicago, Ill. Grave form. 1,879,375; Sept. 27.
McElroy, Frank C., Columbus, Ohio. Incandescent bulb. 1,843,577; Feb. 2.
McElroy, Frank C., Columbus, Ohio. Lens for motor vehicle head lamps. 1,856,842; May 3.
McElroy, Frank C., Columbus, Ohio. Switch for motor vehicle direction signals. 1,880,682; May 31.
McElroy, James A., Elizabeth, N. J. Water heater. 1,844,776; Feb. 9.
McElroy, Thomas L., Flatbush, N. Y. Securing a blanket to a printing press cylinder. 1,892,623; Dec. 27.
McElvain, Howard C. (See McElvain, Howard J., assignor.)
McElvain, Howard J., assignor of one-half to H. C. McElvain, Portland, Oregon. Rock crusher. 1,874,329; Aug. 30.
McElyea, Harley B., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,874,566; Aug. 30.
McEnery, Joseph P., Flushing, N. Y. Pencil holder. 1,873,614; Aug. 23.
McEniry, John T., Bessemer, Ala. Freight car. 1,858,508; May 10.
McEver, William L., Albany, Ga. Incinerator. 1,860,841; May 31.
McEvoy, J. H., & Company. (See McEvoy, J. H., Humason, and Johnson, assignors.)
McEvoy, Joseph H., Houston, Tex. Pump packing assembly and packing rings. 1,867,320; July 12.
McEvoy, Joseph H., Houston, Tex. Safety pressure head. 1,867,321; July 12.
McEvoy, Joseph H., Houston, Tex. Universal casing head and gas saver. 1,875,632; Sept. 6.
McEvoy, Joseph H., G. A. Humason, and E. A. Johnson, assignors to J. H. McEvoy & Company, Houston, Tex. Universal casing head. 1,875,749; Sept. 6.
McEvoy, Joseph H., jr., Houston, Tex. Pipe joint. 1,859,311; May 24.
McEvoy, Joseph H., jr., and E. A. Johnson, Houston, Tex. Pipe supporting means. 1,849,374; Mar. 15.
McEvoy, S. H., et al. (See Coulter, Philip A., assignor.)
McEvoy, William L., West Brookfield, assignor of one-half to Francis Hartley, jr., Brookline, Mass. Golf club. 1,840,406; Jan. 12.
McEwan, Charles F., assignor to H. D. Lathrop, Chicago, Ill. Rotary conveyer. 1,862,485; June 7.
McEwan, Charles F., assignor to H. D. Lathrop, Chicago, Ill. Can washing machines. 1,884,052; Oct. 25.
McEwan, Charles F., and W. H. Paulson, assignors to H. D. Lathrop, Chicago, Ill. Can washing machine. 1,846,564; Feb. 23.
McEwen, Eugene, Indianapolis, Ind. Car loading roller. 1,845,312; Feb. 16.
McEwen, John D., assignor to L. C. Moore & Company, Inc., Pittsburgh, Pa. Walking beam. 1,867,016; July 12.
McEwen, John D., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Clamp for derrick legs. 1,867,371; July 12.
McEwen, John D., Torrance, Calif., assignor to International-Stacey Corporation, Columbus, Ohio. Clutch. 1,887,377; Nov. 8.
McEwing, Luther B., New York, N. Y. Folding shelf. 1,890,526; Dec. 13.
McFaddan, Robert D., Chicago, Ill. Receptacle for razor blades. 1,861,351; May 31.
McFadden, George H., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Gas heater. Des. 88,714; Dec. 20.

McFadden, George H., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Gas heater. 1,869,763; Aug. 2.

McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light fixture. Des. 85,949; Jan. 5.

McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light fixture. Des. 85,950; Jan. 5.

McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Multiunit shade for an electric fixture. Des. 86,333; Mar. 1.

McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Hanging lamp body or similar article. Des. 87,754; Sept. 13.

McFarland, Francis W., assignor of two-thirty-seconds to E. Bender and fifteen-thirty-seconds to R. Hersey, Martinez, Calif. Lock. 1,889,210; Nov. 29.

McFarland, Francis W., Martinez, Calif. Freight car lock and seal. 1,869,387; Aug. 2.

McFarland, Francis W., Martinez, and W. R. Long, Bay Point, Calif. Gate for railroad crossings and pedestrian crossings. 1,864,748; June 28.

McFarland, James C., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Co., Dayton, Ky. Decorating and etching metals. 1,857,939; May 10.

McFarland, James C., Fort Thomas, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Decorating base metals or alloys of base metals. 1,862,231; June 7.

McFarland, James L., Schenectady, N. Y., assignor to General Electric Company. Heat treating apparatus. 1,848,898; Mar. 8.

McFarland, James L., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,852,816; Apr. 5.

McFarland, Farley E., assignor to J. L. Wortham, Rockford, Ill. Automatic card holder exhibiting machine. 1,846,640; Feb. 23.

McFarland, Robert E., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding apparatus. 1,881,019; Oct. 4.

McFarland, Robert E., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material splitting device. 1,881,020; Oct. 4.

McFarlin, Farley E., assignor to Tenn. Building embankments. 1,891,003; Dec. 13.

McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lightning arrester. 1,873,449; Aug. 23.

McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lightning arrester and making the same. 1,873,450; Aug. 23.

McFayden, John C., et al. (See Sleeper, Ned M., assignor.)

McFeaters, George H., Johnstown, Pa. Engine stop. 1,892,313; Dec. 27.

McFeeters, Arthur C., Higginsville, Mo. Brooder. 1,851,364; Mar. 29.

McGahey, Robert E., Alexandria, Va., assignor to Reliance Machine & Stamping Works, Incorporated, New Orleans, La. Grease gun. 1,881,009; Oct. 4.

McGarraugh, Robert, San Antonio, Tex. Fish lure. 1,884,053; Oct. 25.

McGary, Alexander. (See Butt, F. W., and McGary.)

McGary, Alexander, New York, N. Y. Car roof construction. 1,849,104; Mar. 15.

McGary, Stanton U. (See Gill, S., and McGary.)

McGary, Stanton U., W. P. Rogers, and S. Gill, assignors to Gulf Production Company, Houston, Tex. Protective means for buried metallic surfaces. 1,871,125; Aug. 9.

McGaugh, Calvin C., Elk City, Okla. Hosiery display cabinet. 1,873,140; Aug. 23.

McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacture of rubberized articles. 1,839,983; Jan. 5.

McGavack, John, Leonia, N. J., assignor to General Rubber Company, New York, N. Y. Improving properties of rubber, and product. 1,840,243; Jan. 5.

McGavack, John, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preservation of latex. 1,872,161; Aug. 16.

McGaw, Sidney A., Fresno County, Calif. Ladder construction. 1,876,339; Sept. 6.

McGee, Font R., assignor, by mesne assignments, to Schelter Last Company, Rochester, N. Y. Combined shank stiffener and arch support. 1,851,365; Mar. 29.

McGee Glass Company. (See Smith, Maurice A., assignor.)

McGee, Henry S., Memphis, Tenn. Card index. 1,868,815; July 12.

McGee, John E., and B. P. Baker, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit interrupter. 1,878,959; Sept. 20.

McGee, John M. (See Briggs, S. H., McGee, and Cooke.)

McGee, William L., Media, Pa. Electric floor polishing machine. 1,865,032; June 28.

McGeorge, Herbert. (See Tyler, R. S., and McGeorge.)

McGhee, Henry, Rushcutters Bay, near Sydney, New South Wales, Australia. Rubber soled footwear. 1,839,984; Jan. 5.

McGhee, Thurman, Hayward, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Filling valve for syrupers. 1,877,927; Sept. 20.

McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Hoisting mechanism. 1,846,429; Feb. 23.

McGiffert, John R., and O. L. Berby, assignors to Clyde Iron Works, Duluth, Minn. Hoisting mechanism. 1,850,116; Mar. 22.

McGiffert, John R., and O. L. Berby, assignors to Clyde Iron Works, Duluth, Minn. Hoisting mechanism. 1,891,769; Dec. 20.

McGiffert, Stephen Y., Fort Sill, Okla., and H. P. Adams, Fort Sam Houston, Tex. Train board. 1,843,237; Feb. 2.

McGill, Andrew D. (See Wright, S. M., and McGill.)

McGill, Andrew M., Bethlehem, Pa. Apparatus for reclaiming journal packings. 1,852,665; Apr. 5.

McGill Manufacturing Company. (See Popp, Rudolf, assignee.)

McGill, William J. (See Sullivan, F. W., jr., and McGill.)

McGill, William J., assignor to Standard Oil Company, Whiting, Ind. Moth preventive. 1,854,983; Apr. 19.

McGilton, George, Newark, N. J., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Rendering method. 1,854,270; Apr. 19.

McGinley, William L., Dallas, Tex. Detachable service tray. 1,885,615; Nov. 1.

McGinness, James D., Spring Valley, N. Y. Freight container. 1,857,468; May 10.

McGinness, Joseph E., Pittsburgh, Pa. Printing mechanism for a golf ball marker. 1,875,085; Aug. 30.

McGinnis, Delia F., Big Piney, Wyo. Hair waving device. 1,856,494; May 3.

McGinnis, Edward L., Highland Park, assignor to Consolidated Fruit Jar Company, New Brunswick, N. J. Spout and closure. 1,891,826; Dec. 20.

McGinnis, Harry, Baltimore, Md., assignor to Bethlehem Steel Company. Adjustable wiping device for coated wire. 1,875,084; Aug. 30.

McGinnis, Neil C., assignor to N. C. McGinnis, jr., Memphis, Tenn. Conveyor. 1,884,054; Oct. 25.

McGinnis, Neil C., jr. (See McGinnis, Neil C., assignor.)

McGinnis, William J. (See Peterson, E. A., and McGinnis.)

McGinty, Anthony C., Los Angeles, Calif. Turbine. 1,868,017; July 19.

McGirr, Theodore G., Brooklyn, assignor to Magazine Repeating Razor Company, New York, N. Y. Blade holder for razor sharpening machines. 1,888,683; Nov. 22.

McGivern, Edward, Rapid Falls, Liverpool, Nova Scotia, Canada. Concrete bucket. 1,875,174; Aug. 30.

McGiveron, Hugh E., Haslett, assignor to Motor Wheel Corporation, Lansing, Mich. Oil and dust guard. 1,886,038; Nov. 1.

McGlade, Wayne H., Wellington, Kans. Rotary valve for internal combustion engines. 1,889,684; Nov. 29.

McGlone, George M., Bloomington, Ill. Treating fuels. 1,856,495; May 3.

McGloughlin, Alfred I., New York, N. Y. Automobile body. 1,857,061; May 3.

McGoldrick, Joseph M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing apparatus. 1,857,852; May 10.

McGonagle, William. (See Farley, Treffle, assignor.)

McGonigle, William A., Canisteo, N. Y. Combined map, memorandum, and match holder. 1,841,903; Jan. 19.

McGough, Catherine, et al. (See Warren, John R., assignor.)

McGough, Frank R., et al. (See Warren, John R., assignor.)

McGovern, Henry P., assignor to Dennison Manufacturing Company, Framingham, Mass. Covered box and method. 1,851,518; Mar. 29.

McGowan, Harold A., Stowlea, Saskatchewan, Canada. Device to aid persons in swimming. 1,841,904; Jan. 19.

McGowan, William C., Cincinnati, Ohio, assignor, by mesne assignments, to Milnesia Laboratories, Inc., New York, N. Y. Magnesium hydrate tablets and making the same. 1,889,366; Nov. 29.

McGowen, Ida R., San Pedro, Calif. Electric heating utensil. 1,843,455; Feb. 2.

McGowen, William D., assignor to The McKay Company, Pittsburgh, Pa. Chair. Des. 86,793; Apr. 19.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Foot stool. Des. 87,229; June 21.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Foot stool. Des. 87,230; June 21.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Table. Des. 87,536; Aug. 9.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Table. Des. 87,537; Aug. 9.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Glider seat. Des. 88,022; Dec. 13.

McGrady, James P., Worcester, Mass. Roll polishing machine. 1,854,618; Apr. 19.

McGranahan, Charles L. (See Moore, E. E., McGranahan, and Warrender.)

McGrath, Charles A., San Francisco, Calif. Adjustable rack for placing reenforcing steel. 1,843,354; Feb. 2.

McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,855,580; Apr. 26.

McGrath, William L., and M. P. Whitney, assignors to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,883,388; Oct. 18.

McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,883,389; Oct. 18.

McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter drive. 1,830,741; Dec. 13.

McGrath, William L., Elmira, N. Y., assignor to Bendix Aviation Corporation, Chicago, Ill. Collapsible boat. 1,834,792; Oct. 25.

McGraw, Max. (See Forbes, Thomas C., assignor.)

McGraw, William, Los Angeles, and R. C. Adams, San Gabriel, Calif., assignors to Trumble Gas Trap Company. Process and apparatus for separating crude petroleum and natural gas. 1,860,896; May 31.

McGraw, William, and R. Woodward, Los Angeles, Calif., assignors to Trumble Gas Trap Company. Sliding closure unit and gas trap control system. 1,863,759; June 21.

McGregor, Alec M., Parkes, New South Wales, Australia. Grip for tractor wheels. 1,841,833; Jan. 19.

McGregor, Alec M., Parkes, New South Wales, Australia. Traction wheel lug. 1,850,024; Mar. 15.

McGregor, Alexander G., London, England. Apparatus for the smelting of copper ores and the like. 1,850,025; Mar. 15.

McGregor, Alexander G., London, England. Sampling apparatus. 1,875,472; Sept. 6.

McGregor, Alexander G., London, England. Smelting of metallic ores, particularly copper sulphide ores. 1,877,025; Sept. 13.

McGregor, Alexander G., London, England. Liquid-circulating plant. 1,882,669; Oct. 18.

McGregor, Clarence B., Spring Lake, assignor to Bennett Pumps Corporation, Muskegon, Mich. By-pass valve for motor pumps. 1,844,668; Feb. 9.

McGregor, Eugene, Monrose, Colo. Agricultural machine. 1,849,486; Nov. 29.

McGregor, Rob R. (See Beal, G. D., and McGregor.)

McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Nebr. Poultry feeder. 1,871,804; Aug. 16.

McGrew, John A. Albany, N. Y. Shock absorber. 1,845,165; Feb. 16.

McGrew, John A., Albany, N. Y. Shock absorber. 1,845,166; Feb. 16.

McGrew, John A. Albany, N. Y. Shock absorbing mechanism. 1,845,167; Feb. 16.

McGrew, John A., Albany, N. Y. Railway track construction. 1,863,248; June 14.

McGrew, John A., Albany, N. Y. Tie plate and rail fastener. 1,863,274; June 14.

McGrew, John A., Albany, N. Y. Rail joint. 1,863,275; June 14.

McGrew, John A., Albany, N. Y. Rail joint. 1,863,276; June 14.

McGrew, John A., Albany, N. Y. Hydraulic draft gear. 1,876,145; Sept. 6.

McGrew, John A. Albany, N. Y. Shock absorber. 1,876,146; Sept. 6.

McGrew, John A., Albany, N. Y. Auxiliary propulsion unit. 1,880,144; Sept. 27.

McGrew, John A., Albany, N. Y. Rail fastener. 1,887,457; Nov. 8.

McGrew Machine Company. (See McGrew, Earl E., assignor.)

McGroarty, William J., assignor to National Foods Limited, Toronto, Ontario, Canada. Making bread, cakes, and other products of a similar nature. 1,863,277; June 14.

McGuckin, John J., Passaic, N. J., assignor to Rinck-McIlwaine, Inc., New York, N. Y. Socket clearing and removing tool. 1,862,273; June 7.

McGuckin, John J., Passaic, N. J., assignor to Rinck-McIlwaine, Inc., New York, N. Y. Grease-fitting tool. 1,867,372; July 12.

McGuckin, John J., Passaic, N. J., assignor to Rinck-McIlwaine, Inc., New York, N. Y. Spring tester. 1,874,780; Aug. 30.

McGuffey, Orton S., assignor to Kelvinator Corporation, Detroit, Mich. Drinking water cooler. Des. 87,272; June 28.

McGuffey, Orton S., assignor to Kelvinator Corporation, Detroit, Mich. Drinking water cooler. Des. 87,273; June 28.

McGuire, Augustus J., assignor of one-fourth to J. C. Richer, Newark, N. J. Shaft bearing. 1,839,985; Jan. 5.

McGuire, Cecil E., Douglas, Ariz. Airplane. 1,849,766; Mar. 15.

McGuire, Lee R. (See Siebs, C. T., and McGuire.)

McGuire, Lee R., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reeling of and apparatus for shipping articles. 1,850,597; Mar. 22.

McGuire, Walter S., assignor of one-third to C. W. Rodefer, Shadyside, Ohio. Automatic timing device. 1,887,418; Nov. 8.

McGuire William H. (See Courthope, T. F., and McGuire.)

McHale, John P., Dormont, Pa. Road scraping or grading apparatus. 1,872,601; Aug. 16.

McHaley, Henry, Long Beach, assignor of one-half to G. G. Cunningham and one-half to Y. R. Cunningham, Los Angeles, Calif. Fish tail bit. 1,845,168; Feb. 16.

McHardie, Edward H., San Jose, and N. T. Bradford, Terra Bella, Calif. Well testing. 1,847,885; Mar. 1.

McHenry, Earl O., and F. A. McHenry, Hoytville, assignors of one-third to D. C. Ingold, McComb, Ohio, and one-third to M. J. Ingold, St. Louis, Mich. Storage garage. 1,867,675; July 19.

McHenry, Frank A. (See McHenry, E. O. and F. A.)

McHorter, Evelyn, New York, N. Y. Bed clothing. 1,865,329; June 28.

McHugh, Arthur C., Norwalk, and H. F. Rasneor, Long Beach, Calif. Recording drift indicator. 1,877,249; Sept. 13.

McHugh, Frank J., Cicero, Ill. Window washing device. 1,841,835; Jan. 19.

McHugh, William H., assignor of one-fourth to C. R. Frisby, Eldorado, Kans. Sash lock and weather strip. 1,839,770; Jan. 5.

McHugh, William P., St. Louis, Mo. Cabinet. 1,840,632; Jan. 12.

McIlhenney, Louis L., Wynnewood, assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Display package. 1,850,586; May 31.

McIlraith, Evan J. (See Neville, Harvey A., assignor.)

McIlroy, Francis B., Hammond, Ind. Folder for antisqueak material. 1,877,061; Sept. 13.

McIlroy, Ronald C., Lewiston, Me., assignor to Nashua Manufacturing Company, Nashua, N. H. Blanket. 1,885,015; Oct. 25.

McIlvain, Howard S. (See Jones, C. L., and McIlvain.)

McIlvain, Howard S., Belleville, N. J., assignor to Dyrion Equipment Corporation, New York, N. Y. Refrigerated package and method. 1,843,038; Jan. 26.

McIlvaine, Douglas K., Connelisville, Pa. Printing electric meter. 1,839,797; Jan. 5.

McIlvaine, Oran T., East Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Radio reception apparatus. 1,871,446; Mar. 29.

McIlvaine, Oran T., East Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Thermionic tube. 1,853,914; Apr. 12.

McIlvaine Patent Corporation. (See McIlvaine, Oran T., assignor.)

McIlvried, Edwin J., Cleveland, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Mill construction. 1,884,055; Oct. 25.

McIlvried, Edwin J., Cleveland, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Chain. 1,884,056; Oct. 25.

McIlvried, Howard G., and K. B. West, Gary, Ind., assignors to American Sheet and Tin Plate Company. Furnace door and conveyer control. 1,802,643; Dec. 27.

McIlwraith, John W., D. I. McKenzie, and C. Palmer, assignors to Indiana Bridge Company, Elwood, Ind. Packing collar. 1,845,169; Feb. 16.

McInerny, Ralph J., E. F. Williams, Los Angeles, and H. L. Glaze, South Pasadena, Calif., assignors, by mesne assignments, to Mineral Increment Company, Wilmington, Del. Manufacturing titanic hydroxide. 1,842,620; Jan. 26.

McInerny, Ralph J., and E. F. Williams, Los Angeles, and H. L. Glaze, South Pasadena, Calif., assignors, by mesne assignments, to Minerals Increment Company, Wilmington, Del. Apparatus for manufacturing volatile chlorides. 1,888,996; Nov. 29.

McIntire, Erastus W., Ontario, Calif. Electrode holder. 1,883,807; Oct. 18.

McIntire, Forrest L. (See Wagner, F. W., and McIntire.)

McIntosh, Frederick P. (See Hopkins, R. M., and McIntosh.)

McIntosh, George C., St. Clair Shores, Mich. Stream radiator. 1,852,252; Apr. 5.

McIntosh, Hampson G. (See Hildorf, W. G., and McIntosh.)

McIntosh, Harold W. (See Wadman, H. A., and McIntosh, assignors.)

McIntosh, Harold W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Electric glass melting tank. 1,878,591; Sept. 20.

McIntosh, Harold W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Electrode for use in melting furnaces and forming the same. 1,889,516; Nov. 29.

McIntosh, Robert J., Toledo, Ohio. Nozzle directing device. 1,873,615; Aug. 23.

McIntosh, Roy E., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Cable clip. 1,855,645; Apr. 26.

McIntyre, Benjamin E., Westerly, R. I. Window sash operating device. 1,864,253; June 21.

McIntyre, Brouwer D., Monroe, Mich. Composition board and manufacturing the same. 1,844,434; Feb. 9.

McIntyre, Dougal W., Yuma, Ariz. Bleed valve for hose couplings. 1,848,261; Mar. 8.

McIntyre, Edna M., et al., executors. (See McIntyre, H. K., and Cox.)

McIntyre, George E., Kansas City, Mo. Card holder. 1,887,276; July 12.

McIntyre, Glenn H., East Cleveland, assignor to Ferro Enameling Company, Cleveland, Ohio. Method for recovery of fluorides from enamel glass smelter gases. 1,850,019; July 26.

McIntyre, Glenn H., and R. W. Stuart, assignors to The Ferro Enamel Corporation, Cleveland, Ohio. Apparatus for making glass and vitreous enamels. 1,870,636; Aug. 9.

McIntyre, Harry, L'Anse, Mich. Double foot feed. 1,889,685; Nov. 29.

McIntyre, Henry K., deceased, and G. C. Cox, Raleigh, N. C.; E. M. McIntyre, J. G. McIntyre, and M. McIntyre executors of said Henry K. McIntyre. Electric furnace. 1,849,749; Mar. 15.

McIntyre, John, Portobello, Scotland. Shaving preparation. 1,868,838 ; July 26.
McIntyre, John G., et al., executors. (See McIntyre, H. K., and Cox.)
McIntyre, Malcolm, et al., executors. (See McIntyre, H. K., and Cox.)
McIntyre, Michael J. Eden, N. Y. Toy moving picture machine. 1,856,719 ; May 3.
McIntyre, Peter F. (See Fingland, J. J., Turnbull, and McIntyre.)
McIntyre, Sydney S., Sedro-Woolley, Wash. Winding engine frame. 1,867,707 ; July 19.
McIntyre, William A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Black Powder composition. 1,882,853 ; Oct. 18.
McIntyre, William D., and J. Danciger, Amarillo, Tex. Brake cooling means. 1,859,709 ; May 24.
McIntyre, William J. (See Duffy, Thomas L., assignor.)
McIver, William K., Elgin, assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Radio frequency amplifying system. 1,861,707 ; June 7.
McKaig, Eddy T., Chicago, Ill., assignor, by mesne assignments, to Standard Coöpp Corporation, New York, N. Y. Article packing machine. 1,839,025 ; Jan. 5.
McKamey, William O. (See Sanford, H. W., and McKamey.)
McKay Company, The. (See Appleton, Wallace N., assignor.)
McKay Company, The. (See Bray, Joseph G., assignor.)
McKay Company, The. (See Covell, Bradford S., assignor.)
McKay Company, The. (See Lewis, Fred H., assignor.)
McKay Company, The. (See McGowen, William R., assignor.)
McKay Company, The. (See Senft, John, assignor.)
McKay, W., Proprietary Limited. (See Taylor, Headlie S., assignor.)
McKay, John A., Cosbocton, assignor to Jones Metal Products Company, West Lafayette, Ohio. Grapple. 1,843,618 ; Feb. 2.
McKay, John A., and P. H. Lynch, Dunn, N. C. Fertilizer distributor. 1,869,820 ; Aug. 2.
McKay, John A., and P. H. Lynch, Dunn, N. C. Fertilizer distributor. 1,878,960 ; Sept. 20.
McKay, Robert C., Swampscott, Mass. Automatic card shuffler and dealer. 1,885,276 ; Nov. 1.
McKay, Robert F. (See Klein, P., Szegvari, McKay, Hayes, and Trobridge.)
McKay Stewart B., Shaker Heights, Ohio. Building construction. 1,858,715 ; May 17.
McKeegan, Norman B., Chicago, Ill. Pneumatic tool. 1,847,854 ; Mar. 1.
McKeage, William, Philadelphia, Pa. Jack. 1,849,500 ; Mar. 15.
McKeand, James, assignor, by mesne assignments, to Zerozone, Incorporated, Chicago, Ill. Evaporator. 1,884,793 ; Oct. 25.
McKean, John G., Mount Vernon, and R. F. Jones, Glasgow, Scotland. Heat exchange apparatus for heating or cooling fluids. 1,891,434 ; Dec. 20.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Cop holder for knitting machines. 1,860,938 ; May 31.
McKee, Archibald D., assignor of one-half to W. J. Harling, Harvey, Ohio. Partition. 1,849,024 ; Mar. 8.
McKee, Arthur G., Cleveland, Ohio. Bell rod swivel support. 1,865,476 ; July 5.
McKee, Arthur G., and Company. (See Juengling, Karl F., assignor.)
McKee, Garnet W., Rockford, Ill. Meter connecting device. 1,840,046 ; Jan. 5.
McKee, Garnet W., Rockford, Ill. Meter connection. 1,851,860 ; Mar. 29.
McKee, Garnet W., Rockford, Ill. Fuel burning device. 1,867,196 ; July 12.
McKee, Garnet W., Rockford, Ill. Thermostatic control. 1,884,794 ; Oct. 25.
McKee, Garnet W., Rockford, Ill. Control device. 1,885,367 ; Nov. 1.
McKee, Garnet W., Rockford, Ill. Regulator. 1,885,851 ; Nov. 1.
McKee, Garnet W., Rockford, Ill. Combustion system. 1,892,115 ; Dec. 27.
McKee Glass Company. (See Foglein, Louis, assignor.)
McKee Glass Company. (See Smith, Maurice A., assignor.)
McKee, Harry H., assignor to Swift & Company, Chicago, Ill. Meat stamp. 1,843,098 ; Jan. 26.
McKee, Harry H., assignor to Swift & Company, Chicago, Ill. Beef chilling support. 1,846,744 ; Feb. 23.
McKee, Harry H., assignor to Swift and Company, Chicago, Ill. Marking meat. 1,849,407 ; Mar. 15.
McKee, Harry H., assignor to Swift and Company, Chicago, Ill. Meat branding. 1,855,919 ; Apr. 26.
McKee, Harry H., assignor to Swift and Company, Chicago, Ill. Branding device ink feed. 1,855,920 ; Apr. 26.
McKee, Harry H., Chicago, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Bacon treating method. 1,870,581 ; Aug. 9.
McKee, Harry H., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Refrigerator. 1,889,686 ; Nov. 29.
McKee, Harry H., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Ice and brine tank for refrigerator cars. 1,892,581 ; Dec. 27.
McKee, Harry H., and C. T. Walter, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Display and vending method and device. 1,859,270 ; May 17.
McKee, Harry H., and C. T. Walter, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Display and vending method and device. 1,860,511 ; July 5.
McKee, Harry H., and N. J. Dziedzic, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Conveyer. 1,868,538 ; July 26.
McKee, Harry H., and C. T. Walter, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Display device for refrigerator installation. 1,872,779 ; Aug. 23.
McKee, John F., assignor to Yarnall-Waring Company, Philadelphia, Pa. Expansion joint. 1,872,088 ; Aug. 16.
McKee, John F., Lansdowne, assignor to Yarnall-Waring Company, Philadelphia, Pa. Expansion joint. 1,877,059 ; Sept. 13.
McKee, Neal T., Bronxville, assignor to American Throttle Company, Inc., New York, N. Y. Throttle. 1,852,326 ; Apr. 5.
McKee, Neal T., Bronxville, assignor to American Throttle Company, Inc., New York, N. Y. Throttle operating means for locomotives. 1,854,752 ; Apr. 19.
McKee, Neal T., Bronxville, assignor to American Throttle Company, Inc., New York, N. Y. Throttle. 1,870,016 ; Aug. 2.
McKee, Philip L., Chicago, Ill. Ventilator operating mechanism for greenhouses. 1,842,041 ; Jan. 19.
McKee, Ralph H., Jersey City, N. J. Industrial chemical vessel. 1,841,752 ; Jan. 19.
McKee, Ralph H., Jersey City, N. J. Paper and manufacturing the same. 1,870,259 ; Aug. 9.
McKee, Ralph H., Jersey City, N. J. Humidor. 1,871,418 ; Aug. 9.
McKee, Ralph H., Jersey City, N. J. Pliable humidifying sheet material. 1,871,419 ; Aug. 9.
McKee, Ralph H., Jersey City, N. J. Process of and composition for stimulating plant growth. 1,875,473 ; Sept. 6.
McKee, Ralph H., Jersey City, N. J., assignor to Tennessee Copper and Chemical Corporation. Acid phosphate and production thereof. 1,879,479 ; Sept. 20.
McKee, Weldon W., Wooster, Ohio. Auto crank shaft wrench. 1,890,227 ; Dec. 6.
McKee, Willis, Cleveland, Ohio. Art of conveying. 1,849,680 ; Mar. 15.
McKee, Willis, Cleveland, Ohio. Conveyer. 1,851,105 ; Mar. 29.
McKeefe, Edward P. (See Bradley, L., and McKeefe.)
McKeen, Clarence W., Kapuskasing, Ontario, Canada. Gun sighting. 1,865,181 ; June 28.
McKeen, George E., Minneapolis, Minn. Combination tie and collar support. 1,875,251 ; Aug. 30.
McKellton, Alvin S., Berkeley, Calif. Shipping platform and collapsible tray for handling material with lift trucks. 1,881,822 ; Oct. 11.
McKelljp, Spencer W., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Flexible hinge ring. 1,891,566 ; Dec. 20.
McKelvey, John M. (See Reynolds, J. L., and McKelvey.)
McKelvey, Louis F., Indianapolis, Ind. Display rack. 1,881,212 ; Oct. 4.
McKemie, Will, sr. (See Scheurer, Paul P., assignor.)
McKenna Brass & Manufacturing Company. (See DeMarkus, L., and Fouser, assignors.)
McKenna, James J., et al. (See Weinman, Edwin L., assignor.)
McKenna, Philip M., Unity Township, Westmoreland County, assignor to Vanadium Alloys Steel Company, Latrobe, Pa. Composition of matter. 1,848,899 ; Mar. 8.
McKenna, Philip M., Unity Township, Westmoreland County, assignor to Vanadium Alloys Steel Company, Latrobe, Pa. Manufacturing a composition of matter. 1,892,653 ; Dec. 27.
McKenna Process Company. (See Langford, George, assignor.)
McKenna Process Company of Illinois. (See Langford, George, assignor.)
McKenney, Alma R. (See Forbes, Edward P., assignor.)
McKenney Chain Co. (See McKenney, Emerson and H., and Fox, assignors.)
McKenney, Emerson and H., Wakefield, Mass., and N. T. Fox, Portland, Me., assignors to McKenney Chain Co., Portland, Me. Antiskid device. 1,877,000 ; Sept. 13.
McKenney, George F., Cleveland, Ohio. Wall construction. 1,869,069 ; July 26.
McKenney, Harry. (See McKenney, Emerson and H., and Fox.)
McKenney, William H. (See Forbes, Edward P., assignor.)
McKenny, Charles A., assignor to The Joseph E. Barrett Company, Detroit, Mich. Trolley conveyer. 1,848,963 ; Mar. 8.
McKenzie, Angus D., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 1,891,205 ; Dec. 13.
McKenzie, Austin V., Providence, R. I. Artificial fish bait. 1,881,823 ; Oct. 11.

McKenzie, Dennis I. (See McIlwraith, J. W., McKenzie, and Palmer.)
McKenzie, Kenneth. (See Morse, C. W., and McKenzie.)
McKenzie, Ralph E. La Crosse, Wis., assignor, by mesne assignments, to Oliver Farm Equipment Company. Potato planter. 1,844,474; Feb. 9.
McKeown, Joseph B., Grand View, N. Y. Pressure fluid generator. 1,858,102; May 10.
McKeown, Samuel C., Mount Vernon, N. Y. Fluid gauge. 1,841,543; Jan. 19.
McKesson, Charles A., Oakland, assignor to American Bitumuls Company, San Francisco, Calif. Emulsified asphalt penetration pavement and constructing the same. 1,848,193; Oct. 25.
McKessou, Elmer L., Toledo, Ohio. Flow handling for surgical treatments. 1,843,169; Feb. 2.
McKesson, Elmer L., Toledo, Ohio. Basal metabolism factor. 1,863,920; June 21.
McKesson, Elmer L. Toledo, Ohio. Surgical equipment. 1,863,910; June 21.
McKesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)
McKesson & Robbins, Inc. (See Fanto, Emil C., assignor.)
McKesson, William C., Chicago, Ill. Oil burner. 1,874,781; Aug. 30.
McKesson, William C., Chicago, Ill. Valve structure and control mechanism therefore. 1,881,367; Oct. 4.
McKibbin, Marshall, Washington, D. C. Combined razor blade sharpener and ash tray. Des. 87,744; Sept. 15.
McKibbin, Joe S., Kansas City, Kan. Wrench. 1,872,780; Aug. 23.
McKiernan, James D., Brooklyn, N. Y., assignor to Earl C. Maxwell Co., Inc. Welding machine. 1,889,319; Nov. 29.
McKim, James B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,859,923; May 24.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil filter by-pass. 1,849,519; Jan. 12.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Temperature compensator for electric measuring instruments. 1,847,251; Mar. 1.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil filtering system. 1,857,651; May 10.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil filter. 1,857,652; May 10.
McKinley, Edward S., Denver, Colo. Cutting chain. 1,841,268; Jan. 12.
McKinley, James L., Appleton City, Mo. Battery switch. 1,870,877; Aug. 9.
McKinley, John P., Buffalo, N. Y. Can washing machine. 1,845,313; Feb. 16.
McKinley, John W., Pawtucket, R. I., assignor to United States Finishing Company, New York, N. Y. Piling machine. 1,878,161; Sept. 20.
McKinley, Major R. (See Carr, Uhel U.)
McKinley, Major R. (See Carr, Uhel U., assignor.)
McKinley, Melvin, Coshocton, Ohio, assignor to Indianapolis Glove Company, Indianapolis, Ind. Combination glove manufacture. 1,861,280; May 31.
McKinley, Melvin, Coshocton, Ohio, assignor to Indianapolis Glove Company, Indianapolis, Ind. Fabric hand covering. 1,861,281; May 31.
McKinley, Thomas C., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing molten glass. 1,873,474; Sept. 6.
McKinney, Carles J., Detroit, Mich. Window guide channel. 1,875,519; Sept. 6.
McKinney, Dennis A., Detroit, and L. A. McLean, Highland Park, assignors to Ford Motor Company, Dearborn, Mich. Paint grinding machine. 1,888,735; Nov. 22.
McKinney, Edward L. (See O'Neil, F. S., and McKinney.)
McKinney, Edward L., Indianapolis, Ind. Door lock. 1,868,580; July 26.
McKinney, Harry E., Detroit, Mich. Reduction valve. 1,843,953; Feb. 9.
McKinney, James P., jr., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Latch mechanism. 1,865,128; June 28.
McKinney Manufacturing Company. (See McKinney, James P., jr., assignor.)
McKinney Manufacturing Company. (See Wilson, William J.)
McKinney Manufacturing Company. (See Woernle, Harry E., assignor.)
McKinney Manufacturing Company. (See Wread, William F., assignor.)
McKinnie, Henry, Pittsburgh, Pa. Heater. 1,852,889; Apr. 5.
McKinnon, Allen G., Cranston, assignor to Revere Rubber Company, Providence, R. I. Golf ball. 1,870,862; Aug. 9.
McKinnon, James E. (See Cave, Edward U., assignor.)
McKinstry, Bruce L., Entiat, Wash. Fruit press. 1,888,281; Nov. 22.
McKinzie, Jack C., Grayback, Tex. Pick-up jack. 1,843,515; Feb. 2.
McKissick, William H., Tulsa, Okla. Sheave block. 1,850,407; Mar. 22.
McKissick, William H., Tulsa, Okla. Tubing bleeder. 1,854,477; Apr. 19.
McKnight, Clarence E., Los Angeles, Calif. Aeroplane. 1,845,616; Feb. 16.
McKnight, Elliott J., Gardner, Mass. Clamp. 1,852,586; Apr. 5.
McKnight, Elliott J., Gardner, Mass. Multiple-spindle boring machine. 1,858,677; May 17.
McKnight, Robert. (See Berry, J. W., and McKnight.)
McKnight, Rufus R., and Webber, assignors to The De Moe Engineering Laboratories, Inc., Chicago, Ill. Automotive steam generator. 1,851,715; Mar. 29.
McKnight, Rufus R., and A. Webber, assignors to The Demoe Engineering Laboratories, Inc., Chicago, Ill. Apparatus for welding tube connections. 1,852,180; Apr. 5.
McKnight, Rufus R., and A. Webber, assignors to The De Moe Engineering Laboratories, Inc., Chicago, Ill. Tool for forming tube connections. 1,873,451; Aug. 23.
McKown, Harry L., Wheeling, W. Va. Heating stove. 1,859,000; May 17.
McKune, Edward, San Francisco, Calif. Feed for resaw machines. 1,875,633; Sept. 6.
McLachlan, Alexander. (See Johnston, R. M., and McLachlan.)
McLain, Fremont H., Wellsville, Ohio. Shock absorber. 1,855,684; Apr. 26.
McLain, Leslie E., Peterson, Iowa. Clothes support for ironing boards. 1,871,813; Aug. 16.
McLaine, William L., and R. A. Sperry, assignors of one-third to E. M. Smith Company, Los Angeles, Calif. Drill pipe protector. 1,853,915; Apr. 12.
McLanahan & Stone Corporation. (See Fye, William A., assignor.)
McLanahan & Stone Corporation. (See Krider, George E., assignor.)
McLane, Forrest B., Rivera, Calif. Insecticide and larvacide. 1,861,127; May 31.
McLane, Forrest B., Rivera, Calif. Insecticide. 1,888,997; Nov. 29.
McLaren, Alex C., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner. 1,851,200; Mar. 29.
McLaren, Gerald J., Ballston Spa, N. Y. Coin controlled doorlock. 1,877,929; Sept. 20.
McLaren, Gerald J., Ballston Spa., assignor to Gilbert J. Seefeld Company, Inc., Watervliet, N. Y. Vending machine. 1,869,070; July 26.
McLaren, Malcolm W., Jackson Heights, assignor to Carbonic Equipment Corporation, New York, N. Y. Level indicator. 1,847,844; Mar. 1.
McLaren, William P. (See Bashford, Frederick G. C., assignor.)
McLaren, William W., Birmingham, Ala. Making phonograph records. 1,849,014; Mar. 8.
McLaughlin, Cornelius E. (See Moulton, Warren J., assignor.)
McLaughlin, Dennis J., Ilion, assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Table leg attachment. 1,875,536; Sept. 6.
McLaughlin, Dennis W., Berkeley, Calif. Keyless lock. 1,839,406; Jan. 5.
McLaughlin, F. L., Company. (See Mitchel, Edward W., assignor.)
McLaughlin, Frank, assignor to W. C. Goffatt, Toronto, Ontario, Canada. Fishing lure. 1,869,111; July 26.
McLaughlin, George E., Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Shearing machine. 1,858,504; May 17.
McLaughlin, Herrold L. (See McLaughlin, Wilson L., and H. L.)
McLaughlin, James, Glen Cove, N. Y. Reenforce rod and wrapping. 1,891,104; Dec. 13.
McLaughlin, James R., Narberth, Pa. Holddown device for pantographs or the like. 1,884,586; Feb. 9.
McLaughlin, John E. (See Hutchinson, O. C. K., McLaughlin, and Soubier.)
McLaughlin, John E. (See Schwenzfeier, C. W., and McLaughlin.)
McLaughlin, John E. (See Soubier, L. D., and McLaughlin.)
McLaughlin, John E., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming glass articles. 1,853,986; Apr. 12.
McLaughlin, John E., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Mold. 1,856,577; May 3.
McLaughlin, Kenneth M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Condenser. 1,849,499; Mar. 15.
McLaughlin, Robert J., Manhattan Beach, Brooklyn, N. Y. Airship. 1,849,043; Mar. 15.
McLaughlin, Robert W., New York, N. Y., assignor to Warren Telechron Company. Clock case. Des. 86,041; Jan. 19.
McLaughlin, Roy P., South Pasadena, Calif. Clinograph. 1,887,773; Nov. 15.
McLaughlin, Thomas, Brisbane, Queensland, Australia. Golf practice set. 1,847,570; Mar. 1.
McLaughlin, Thomas E., assignor to Truscon Steel Company, Cleveland, Ohio. Sash weight. 1,853,916; Apr. 12.
McLaughlin, Thomas L., Guadalupe, Calif. Transportation device. 1,860,747; May 31.
McLaughlin, Wilson L. and H. L., assignors of one-fourth to F. L. Twining, Des Moines, Iowa. Carbureting nozzle for burning powdered coal. 1,856,134; May 3.

McLaurin, Arthur, Boston, Mass. Chair frame or similar article. Des. 88,663; Dec. 13.
McLaurin, Arthur, Boston, Mass. Sofa frame or similar article. Des. 88,664; Dec. 13.
McLean, John R. (See Gibson, H. S., and McLean.)
McLaurin-Jones Company. (See Barnett, H. J., and Trusty, assignors.)
McLean, Alfred P., Myers, Ky. Chain tightener. 1,884,057; Oct. 25.
McLean, Asa F. Cowiche, Wash. Folding fish basket. 1,869,071; July 26.
McLean, Clifford L., Goshen, Ind. Ironing board. 1,848,750; Mar. 15.
McLean, Embury, Brooklyn, assignor to The Engineer Company, New York, N. Y. Method and apparatus for regulating steam pressure in boilers. 1,853,371; Apr. 12.
McLean, Eric K. (See Strand, C. J., and McLean.)
McLean, Leslie A. (See McKinney, D. A., and McLean.)
McLean, Robert A. (See Alt, G. A., and McLean.)
McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Separator. 1,854,209; Apr. 19.
McLean, William A., et al. (See Hammond, Grant, assignor.)
McLeese, Hugh D. (See Fink, C. G., and McLeese.)
McLellan, James H., assignor to Auto Fount, Limited, Vancouver, British Columbia, Canada. Dispensing device. 1,885,968; Nov. 1.
McLenegan, David W., Schenectady, N. Y., assignor to General Electric Company. Starting synchronous motors. 1,851,716; Mar. 29.
McLeod, Clifford J., Quincy, Mass. Lubricating device for valve stem bearings. 1,842,555; Jan. 26.
McLeod, Henry R., and C. Hohns, Leslieville, Alberta, Canada, Cultivator. 1,846,975; Feb. 23.
McLeod, Ida M., Hobbema, Alberta, Canada. Sanitary food protector. 1,885,711; Nov. 1.
McLeod, John D., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Glass cutting table. 1,871,220; Aug. 9.
McLeod, Norman W., Regina, Saskatchewan, Canada. Road spraying and mixing apparatus. 1,862,232; June 7.
McLeod, Robert J., West Drayton, England. Flexible coupling. 1,865,330; June 28.
McLeod, Robert J., West Drayton, Middlesex, England. Metal tube manufacture. 1,890,399; Dec. 6.
McLeod, Roderick G., London, England. Vehicle direction and movement signaling device. 1,873,003; Aug. 23.
McLeod, Thomas, Holbeath, N. J. Steering apparatus or the like. 1,890,041; Dec. 6.
McLimans, John P., Duluth, Minn. Sliding damper for open hearth flues. 1,849,022; Mar. 15.
McLintock, Addison W., and J. W. Rice, Champaign, Ill. Educational device. 1,856,650; May 3.
McLoughlin, Joseph N., assignor to Detroit Steel Products Company, Detroit, Mich. Glazing clip. 1,851,201; Mar. 29.
McMahon, Patrick, Worcester, Mass. Connecting link. 1,842,108; Jan. 19.
McMahon, John S., et al. (See Respess, William R., assignor.)
McManaman, Patrick J., Cleveland, Ohio. Electric switch. 1,847,407; Mar. 1.
McManaman, Patrick J., Cleveland, Ohio. Automobile signal. 1,865,777; July 5.
McMann, Arthur A., Utica, assignor to Remsen Corporation, New York, N. Y. Phonograph record. 1,875,086; Aug. 30.
McMann, Margaret H., New York, N. Y. Closure for containers. 1,857,853; May 10.
McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Sign. 1,858,052; May 10.
McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Support for luminescent tubes. 1,858,053; May 10.
McMaster, Archie J., and C. E. Parson, assignors to G-M Laboratories, Inc., Chicago, Ill. Electronic tube. 1,858,210; May 10.
McMaster, Archie J., and C. E. Parson, assignors to G-M Laboratories, Inc., Chicago, Ill. Photo-electric tube. 1,869,342; July 26.
McMaster, Carlos L., and O. J. Gartner, Cleveland Heights, Ohio. Cable terminal. 1,873,775; Aug. 23.
McMaster, Fred D., Danville, Ill. Aeroplane wing. 1,848,368; Mar. 8.
McMaster, Harry J., assignor to The Sebring Pottery Company, Sebring, Ohio. Covered dish and similar article. 1,884,058; Oct. 25.
McMaster, Harry J., assignor of one-fourth to The Sebring Pottery Company, one-fourth to The Limoges China Company, one-fourth to The Crescent China Company, Sebring, and one-fourth to The Salem China Company, Salem, Ohio. Earthen ware dishes and glaze therefor. 1,890,297; Dec. 6.
McMeans, William, Scranton, Pa. Combination weed grubber and hoe. 1,869,573; Aug. 2.
McMenamin, Joseph B., Port Kennedy, Pa. Headlight. 1,871,629; Aug. 16.
McMillon, William A., Selma, Ala. Quilt support. 1,852,355; Apr. 5.
McMillan Book Company. (See Bolton, Floyd G., assignor.)
McMillan Book Company. (See Hamlin, Guy E., assignor.)
McMillan Book Company. (See McMillan, John L., assignor.)
McMillan, Hugh P., assignor to S. M. Dell & Co., Inc., Baltimore, Md. Brush handle. 1,888,950; Nov. 22.
McMillan, James O., El Dorado, assignor to Standard Pump & Supply Company, Wichita, Kans. Combined check valve and nipple-seat. 1,850,117; Mar. 22.
McMillan, John A., assignor of one-third to A. Deadman, and one-third to R. W. Holmes, Moncton, New Brunswick, Canada. Internal combustion engine. 1,856,348; May 3.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Visible index binder. 1,861,749; June 7.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose-leaf binder. 1,866,050; July 5.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Leaf flipper. 1,884,059; Oct. 25.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose leaf binder. 1,885,461; Nov. 1.
McMillan, John W. (See Ring, Eugene, assignor.)
McMillan, Kingsley D., Glasgow, Scotland, assignor to Hans Renold Limited, Manchester, England. Chain transmission gearing. 1,892,067; Dec. 27.
McMillan-Miller Road Machinery-Inc. (See McMillan, W. K., and Walch, assignors.)
McMillan, Wesley K., San Francisco, Calif., assignor, by mesne assignments, to American Tractor Equipment Co. Double four way valve. 1,840,784; Jan. 12.
McMillan, Wesley K., and J. S. Walch, San Francisco, Calif., assignors, by direct and mesne assignments, to McMillan-Miller Road Machinery-Inc. Track link. 1,868,148; July 19.
McMillen, Russell H., Pittsburgh, Pa., assignor to Crucible Steel Company of America. Composite steel plate and bar. 1,869,208; July 26.
McMillin, Clifford E. (See Johnson, John F., assignor.)
McMinn, Julian H., Norene, Tenn. Scaffold. 1,879,376; Sept. 27.
McMullan, Samuel. (See Arkema, H. P., and McMullan.)
McMullen, Allen, Number Four, N. Y. Trap. 1,859,405; May 24.
McMullen, Allen, Number Four, N. Y. Trap. 1,886,114; Nov. 1.
McMullen, John, Buffalo, N. Y. Shipping automobiles. 1,846,889; Feb. 23.
McMullen, John, Buffalo, N. Y. Shipping automobiles. 1,856,106; May 3.
McMullen, Joseph B., Washington, D. C. Vehicle body. 1,860,208; Oct. 4.
McMullin, Albert R., New York, N. Y. Carrying mechanism for centrifugal concrete pipe machines. 1,881,322; Oct. 4.
McMullin, Albert R., New York, N. Y. Power mechanism for operating buckets of centrifugal molding apparatus. 1,881,323; Oct. 4.
McMullin, Clyde C., Loon Lake, Wash. Friction brake. 1,866,816; July 12.
McMurdie, Francis J., assignor to Clarage Fan Company, Kalamazoo, Mich. Fan wheel. 1,873,347; Sept. 13.
McMurray, Harry G. (See Baynard, W. H., and McMurray.)
McMurray, Wallace B. (See Martell, P. J., and McMurray.)
McMurray, Walter E., assignor to Clearfield Machine Company, Clearfield, Pa. Making screen plates. 1,859,784; May 24.
McMurrey, Benton C., Indianapolis, Ind. Universal casement hinge. 1,882,782; Aug. 30.
McMurtrie, Adnah, New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding connecter. 1,886,552; Oct. 4.
McMurtrie, John F., Bethlehem, Pa., assignor of one-half to W. W. Hopkins, Springfield, Mass. Chassis of a motor vehicle. 1,887,598; Nov. 15.
McNab Absorbolift, Inc. (See McNab, Alexander, assignor.)
McNab, Alexander, assignor to McNab Absorbolift, Inc., Bridgport, Conn. Shock absorber. 1,855,921; Apr. 26.
McNail, George H. S., Hastings upon Hudson, N. Y. Percolator. 1,884,061; Oct. 25.
McNair, Robert, Shingle Co, Ltd., The. (See Smith, William S., assignor.)
McNally, Edward D., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,865,450; June 14.
McNally, Edward E., Chicago, Ill. Gelatin band spindle. Re18,448; May 3.
McNally, Edward E., Chicago, assignor to J. J. Flanigan, Oak Park, Ill. Stand for hectograph duplicating machines. 1,852,359; Apr. 5.
McNally, Edwin M., assignor to The Tefra Co., Indianapolis, Ind. Toothbrush. 1,873,475; Sept. 6.
McNally, Edwin M., assignor to The Tefra Co., Indianapolis, Ind. Removable head toothbrush. 1,875,476; Sept. 6.
McNally, Hugh F. (See Stout, A. D., and McNally.)
McNally, James O., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube amplifier. 1,848,187; Mar. 8.
McNamara, Edward J. (See Carter, Raymond, assignor.)
McNamara, Frank J., Seattle, Wash. Securing means for artificial teeth. 1,889,756; Dec. 6.

McNamara, James G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line casting machine. 1,839,241; Jan. 5.

McNamara, Leo C., assignor to Journal Box Servicing Corporation, Indianapolis, Ind. Journal box waste oil extractor. 1,845,676; Feb. 16.

McNamara, William L., assignor to Capstan Glass Company, Connellsville, Pa. Leer loader. 1,842,912; Jan. 26.

McNamara, William L., assignor to Capstan Glass Company, Connellsville, Pa. Tripping device. 1,881,824; Oct. 11.

McNamara, William L., assignor to Capstan Glass Company, Connellsville, Pa. Transferring and forming machine. 1,881,825; Oct. 11.

McNaughton, Duncan, assignor to The Victor Brass Manufacturing Company, Cleveland, Ohio. Mixing valve. 1,855,350; Apr. 26.

McNaughton, Owen A. (See Hoeftmann, A. O., McNamee, and Morrison.)

McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Valve spring compressor. 1,858,372; May 17.

McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Ratchet lever. 1,868,839; July 26.

McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Ratchet lever. 1,868,840; July 26.

McNaught, Norris F. and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Valve grinder. 1,881,826; Oct. 11.

McNaught, Robert P., San Francisco, Calif. Keeping windows, windshields, etc., clear of moisture. 1,843,828; Feb. 2.

McNaught, Robert P., San Francisco, Calif. Load compensator for automatic elevators for making more perfect landings. 1,844,903; June 14.

McNecly, James W., Long Beach, Calif. Screen and making the same. 1,879,377; Sept. 27.

McNeil, Archibald M. (See Horton, Benjamin W., assignor.)

McNeil, Duncan, San Francisco, Calif. Combined gaining and boring machine. Re18,440; Apr. 26.

McNeil, Roderick S., Newark, N. J., assignor to General Electric Company. Decorative lamp socket. 1,849,846; Mar. 15.

McNeil, Roderick S., Newark, N. J., and E. V. Bitterli, Paris, France, assignors to General Electric Company. Basing vacuum tubes and similar articles. 1,844,669; Feb. 9.

McNeil, Roderick S., Newark, N. J., and E. V. Bitterli, Paris, France, assignors to General Electric Company. Basing vacuum tubes and similar articles. 1,873,776; Aug. 23.

McNeil, William M., Chicago, Ill., and B. T. Ballard, Fort Dodge, Iowa, assignors to United Gypsum Company, Chicago, Ill. Strip labeler. 1,871,718; Aug. 16.

McNeill, George K., assignor to Morgan & Wright, Detroit, Mich. Cutting machine. 1,871,334; Aug. 9.

McNicoll, Andrew G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Clock thermostat. Re16,861; Feb. 2.

McNitt, Robert J., administrator. (See Foerstering, Hans.)

McNulty, John, Cincinnati, Ohio, assignor to The Ohio Truss Company. Truss. 1,889,367; Nov. 29.

McNulty, Martin J., jr., Tulsa, Okla. System and apparatus for elevating and lowering oil well piping. 1,883,806; Dec. 6.

McNulty, Peter C. (See Tolman, Charles P., assignor.)

McNulty, Thomas E., Alameda, Calif. Curtain guide. 1,870,920; Aug. 9.

McNulty, Thomas J., Brookhaven, Miss. Oil pressure control and filter for hydraulic presses. 1,841,492; Jan. 19.

McNulty, Thomas J., Brookhaven, Miss. Oil pressure control and filter for hydraulic presses. 1,841,493; Jan. 19.

McNutt, Joseph D., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Priming mixture. 1,842,556; Jan. 26.

McNutt, Joseph D., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Priming mixture. 1,851,398; Mar. 29.

McNutt, Joseph D., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Propellant explosive. 1,858,873; May 17.

McNutt, Ralph, Bay View, Wash. Auto window control. 1,864,048; June 21.

McNutt, Ralph L., Fort Worth, Tex. Collapsible tube closure. 1,855,979; Apr. 26.

McOsker, Jerry, et al. (See Gray, Joseph M., assignor.)

McPartland, Frank. (See Cox, P., and McPartland.)

McPhee, William F., Chicago, Ill. Boiler construction. 1,865,939; July 5.

McPherson, Charles A., Edgar, Mont. Toy. 1,877,680; Sept. 13.

McPherson, Clarence D., assignor to C. D. McPherson and E. S. Heiberger, trading as The Tar-Rid Chemical Company, Philadelphia, Pa. Packing and forming the same. 1,889,287; Nov. 29.

McPherson, Clarence D., et al. (See McPherson, Clarence D., assignor.)

McPherson, Duncan, San Diego, Calif. Hose nozzle handle. 1,876,718; Sept. 13.

McPherson, Harold N., Vancouver, British Columbia, Canada. Wooden stave culvert. 1,886,707; Nov. 8.

McPherson, John S., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Interlocking car truck parts. 1,862,966; June 14.

McPherson, Verstille G. (See Rathbone, W. R., and McPherson.)

McQuade, James D., Moundsville, W. Va., assignor to Coal Carbonization Company. Apparatus for carbonization of coal. 1,881,826; Oct. 11.

McQuay Radiator Corporation. (See Seelert, Edward H., assignor.)

McQuery, Dennis E., Washington, D. C. Radiator cap. Des. 86,092; Jan. 26.

McQuigg, Sanford E., Brackenridge, Pa., assignor to Allegheny Steel Company. Tongs. 1,851,866; Mar. 29.

McQuigg, Sanford E., assignor to Allegheny Steel Company, Brackenridge, Pa. Furnace charging device. 1,882,224; Oct. 11.

McQuinn, Arthur. (See Wallenberg, F. J., and McQuinn.)

McRae, David F., assignor of three-fourths to A. C. Frisbey, J. G. Petty, and V. Snyder, Salt Lake City, Utah. Safety combination fuse tip. 1,856,419; May 3.

McRae, R. Clayton. (See Hill, Curtiss L., assignor.)

McRae, Walter L., and F. R. Cooke, Euclid Village; said Cook assignor to F. R. Kregenow, Cleveland, Ohio. Device for volatilizing or burning incense, medicaments, and the like. 1,845,432; Feb. 16.

McRaven, Charles M., Tulsa, Okla. Belt tightener. 1,841,834; Jan. 19.

McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,840,122; Jan. 5.

McShane, William H., Kansas City, Mo. Peanut warmer. Des. 87,015; May 24.

McSkimming, James, Santa Barbara, Calif. Furring and spacing device. 1,888,878; Nov. 22.

McSweeney, Lewis J., Detroit, Mich. Shipping device. 1,884,062; Oct. 25.

McTague, Edward V., assignor to The Convertible Duplex Die Corporation, Millville, N. J. Pressing machine. 1,890,882; Dec. 13.

McTaggart, James H., and J. B. Pospeshil, Detroit, Mich. Scouring material. 1,848,987; Feb. 9.

McTighe, William H. (See Drury, Hugh E., assignor.)

McVey, Elmer E., Youngstown, and W. F. Bartholomew, Warren, Ohio. Sheet metal normalizing furnace. 1,856,678; May 17.

McVey, Samuel L., San Jose, Calif. Sleeve steamer. 1,887,561; Nov. 15.

McVicker, Walter J., Minneapolis, Minn., assignor, by mesne assignments, to Minneapolis-Moline Power Implement Company. Threshing apparatus. 1,869,072; July 26.

McWane, Arthur T., Birmingham, Ala. Window guard. 1,855,865; Apr. 26.

McWane Cast Iron Pipe Company. (See McWane, James R., assignor.)

McWane Cast Iron Pipe Company. (See Sample, James D., assignor.)

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Apparatus for molding cast iron pipes and the like. 1,857,855; May 10.

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Method of and apparatus for assembling pipe joint elements. 1,866,051; July 5.

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Apparatus for molding cast iron pipe and the like. 1,869,908; Aug. 2.

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Bell and spigot joint. 1,872,781; Aug. 23.

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,884,063; Oct. 25.

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,884,064; Oct. 25.

McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,884,065; Oct. 25.

McWane, Robert C., Ridgewood, N. J. Concrete wall and making it. 1,862,544; June 14.

McWeeny, John L., assignor, by mesne assignments, to The Meter Company, Chicago, Ill. Pretesting device. 1,870,462; Aug. 9.

McWhirter, John S., Southport, Conn., assignor to National Pneumatic Company, New York, N. Y. Step mechanism. 1,867,228; July 12.

McWhirter, Mark H., and A. G. Adair, McCamey, Tex. Transparent coin wrapper. 1,878,592; Sept. 20.

McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Buffing device for railway switches and the like. 1,869,604; Aug. 2.

McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Buffing device for railway switches and the like. 1,869,605; Aug. 2.

McWhorter, Furnal L., jr., Philadelphia, Pa., assignor to Electro Company, Odessa, Del. Treating minerals containing compounds of iron, potassium, and aluminum. 1,843,779; Feb. 2.

McWilliams, Charles W. (See Seasongood, C. C., and McWilliams.)

McWilliams Dredging Company. (See McWilliams, George A., assignor.)
McWilliams, George A., assignor to McWilliams Dredging Company, Chicago, Ill. Boom swinging apparatus. 1,885,937; Nov. 1.
McWilliams, James B. (See Graham, F. M., and McWilliams, assignor.)
McWilliams, John P., and F. Ditchfield, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 1,881,827; Oct. 11.
McWilliams, William C., Newton, Mass. Shingle roofing and laying the same. 1,879,378; Sept. 27.
McWilliams, William W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool for handling clamping members. 1,866,120; July 5.
Meacham, Merle R. (See Loomis, N. E., and Meacham.)
Meacham, Presley W., Monroe, Ark. Harvesting machine. 1,848,904; Mar. 8.
Meacham, William M., Seattle, Wash. Salt water barriers for canals. 1,886,995; Nov. 8.
Meachem, Harry. (See Nightingale, H., and Meachem.)
Meachem, Harry, Teaneck, N. J., assignor to Todd Dry Dock, Engineering & Repair Corporation, Brooklyn, N. Y. Damper control means for furnaces. 1,873,656; Aug. 23.
Meachem, Harry, Teaneck, N. J., assignor to Todd Dry Dock Engineering & Repair Corporation, Brooklyn, N. Y. Atomizer. 1,877,350; Sept. 13.
Meachem, Harry, Teaneck, N. J., assignor to Todd Dry Dock Engineering & Repair Corporation, Brooklyn, N. Y. Blower. 1,880,101; Sept. 27.
Mead, Brian. (See McCabe, W. L., and Mead.)
Mead, Burton, Belmont, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Producing an adherent film of rubber on the grain surface of vegetable tanned leather. 1,864,135; Mar. 8.
Mead, Charles M., Los Angeles, Calif. Collar card for flat form laundered attached collar shirts. 1,886,826; Nov. 8.
Mead Corporation, The. (See Bair, William E., jr., assignor.)
Mead Corporation, The. (See Rawling, Francis G., assignor.)
Mead Corporation, The. (See Traquair, John, assignor.)
Mead Corporation, The. (See Traquair, J., and Kidd., assignors.)
Mead Corporation, The. (See Wright, Harry, jr., assignor.)
Mead, Edward D., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting frame for electrical apparatus. 1,882,354; Oct. 11.
Mead, Fred J., East Orange, N. J. Concrete form and structure. 1,874,330; Aug. 30.
Mead, Harold J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for vulcanization. 1,847,408; Mar. 1.
Mead, Harold B., Ilford, England. Conical diaphragm for sound reproducing and recording apparatus. 1,878,162; Sept. 20.
Mead, Homer A., assignor to Masterench Corporation, Turlock, Calif. Wrench. 1,885,616; Nov. 1.
Mead, Howard C., assignor to Guide Lamp Corporation, Anderson, Ind. Lamp socket. 1,881,811; Oct. 11.
Mead, John W., and L. Hoerner, Buffalo, N. Y. Lamp. 1,842,042; Jan. 19.
Mead Johnson & Company. (See Bills, Charles E., assignor.)
Mead Johnson & Company. (See Johnson, L. D., and True, assignors.)
Mead, Joseph E. (See Spellacy, J. B., and Mead.)
Mead, Leslie A., San Leandro, Calif. Plaster cast cutter. 1,873,327; Sept. 6.
Mead, Milton S., jr., Schenectady, N. Y., assignor to General Electric Company. Measurement of speed variations. 1,854,949; Apr. 19.
Mead, Milton S., jr., Schenectady, N. Y., assignor to General Electric Company. Thermionic measuring device. 1,869,269; July 26.
Mead-Morrison Manufacturing Company. (See Snow, Frederick O., jr., assignor.)
Mead Paperboard Corporation. (See Hamm, Charles S., assignor.)
Mead Paperboard Corporation. (See Smith, Charles E., assignor.)
Mead Paperboard Corporation. (See Zimmerman, Walter J., assignor.)
Mead Pulp and Paper Company, The. (See O'Connor, James J., assignor.)
Mead Research Engineering Company, The. (See Ruff, Harold T., assignor.)
Mead Research Engineering Company, The. (See Saller, Wilhelm, assignor.)
Mead Research Engineering Company, The. (See Traquair, John, assignor.)
Mead Research Engineering Company, The. See Traquair, J., and Rawling, assignors.)
Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,839,242; Jan. 5.
Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,860,868; May 31.
Meade, Archie H., Laredo, Mont. Animal trap. 1,873,616; Aug. 23.
Meade, Arthur F., Poughkeepsie, N. Y. Safety switch. 1,855,581; Apr. 26.
Meade Corporation, The. (See Traquair, John, assignor.)
Meade, Francis J., Knoxville, Tenn., assignor of one-half to Augustus Gumpert, Washington, D. C. Modulated oscillator. 1,860,897; May 31.
Meade, George P., Gregory, La., and R. N. Traxler, Rahway, N. J. Producing soluble barytic material for use as a sugar precipitant. 1,884,796; Oct. 25.
Meade, George P., Gramercy, La., and R. N. Traxler, Rahway, N. J., assignors to Cuban-American Sugar Company, New York, N. Y. Extraction of sugar from cane molasses and the like. 1,884,798; Oct. 25.
Meader, Ralph L., Lynbrook, N. Y. Desk clip for holding blanks. 1,871,719; Aug. 16.
Meader, Ralph L., Lynbrook, N. Y. Tape moistener. 1,880,266; Oct. 4.
Meader, Roy, Springfield, Mass., assignor to The A. Nash Company, Cincinnati, Ohio. Display device. 1,869,433; Aug. 2.
Meader, Russell G., Detroit, Mich., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastening device. 1,839,798; Jan. 5.
Meadowcroft, Joseph W., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Autogenous welding. 1,845,029; Feb. 16.
Meadowcroft, Joseph W., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Welding flux. 1,845,969; Feb. 16.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding. 1,861,970; June 7.
Meadowcroft, Joseph W., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Machine for welding. 1,861,971; June 7.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding machine. 1,884,066; Oct. 25.
Meadows, Claude C., assignor of one-half to S. F. Beasley, Tulsa, Okla. Band anchoring means for tank cars. 1,855,841; July 26.
Meadows, Mayhugh M., Lawton, Okla. Clothes rack. 1,888,538; Nov. 22.
Meadows, Vaughn B., Los Angeles, Calif. Rotary ventilator. 1,857,762; May 10.
Meadows, William R., Elgin, Ill., assignor to Construction Materials Patents, Cleveland, Ohio. Expansion joint for pavements. 1,892,659; Dec. 27.
Meagher, Matthew C., Bethlehem, Pa. Frozen confection. 1,867,290; Oct. 15.
Meaker Company, The. (See Miller, Constantine G., assignor.)
Meany, Charles A., West Barrington, assignor to The Hadley Company, Inc., Providence, R. I. Flexible bracelet. 1,840,047; Jan. 5.
Meaney, Philip E., assignor to David E. Sherin, Worcester, Mass. Flush tank. 1,887,512; Nov. 15.
Means, Dwight R., Medina County, Ohio, assignor to Pittsburgh Plate Glass Company. Production of ammonia and calcium chloride from ammoniacal liquors. 1,845,030; Feb. 16.
Means, Norton A., Missoula, Mont. Floating fishing lure and making same. 1,881,285; Oct. 4.
Meany, Gene P. (See Helsenfelt, J., and Meany.)
Meany, Robert H., assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Confection package. 1,865,535; July 5.
Mears, Edward W., Merion, assignor to Mears-Kane-Ofeldt, Inc., Philadelphia, Pa. Automatic shut-off mechanism. 1,871,969; Sept. 13.
Mears-Kane-Ofeldt, Inc. (See Mears, Edward W., assignor.)
Mears, Norton A., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,842,557; Jan. 26.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,852,995; Apr. 5.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Closure latch. 1,886,827; Nov. 8.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Closure latch. 1,886,828; Nov. 8.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Closure latch. 1,886,829; Nov. 8.
Mears, Norton A., and D. B. Hynes, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,845,170; Feb. 16.
Mears, Norton A., and D. P. Hynes, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,852,056; Apr. 5.
Mears, Norton A., and D. P. Hynes, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,865,778; July 5.
Mears, Theodore M., assignor to The Tri-Pie Corporation, Brooklyn, N. Y. Making die stamped pies. 1,841,494; Jan. 19.
Mears, Theodore M., assignor to The Tri-Pie Corporation, Brooklyn, N. Y. Pie making machine and pie pan therefor. 1,841,495; Jan. 19.

Meatheringham, Russell W., San Marino, Calif. Automobile window structure. 1,891,478; Dec. 20.
Mechanical Development Company. (See Wilson, Samuel A., assignor.)
Mechanical & General Inventions Company Limited. (See Lelwess, Edouard E., assignor.)
Mechanical Improvements Corporation. (See Johnson Eldridge R. F., assignor.)
Mechanical Manufacturing Company, The. (See Taylor, William H., assignor.)
Mechanical Royalties Corporation. (See Bailey, Henry H., assignor.)
Mechanical Royalties Corporation. (See Bailey, H. H., and Thomas, assignor.)
Mechanical Rubber Company, The. (See Carnie, James, assignor.)
Mechanical Rubber Company, The. (See Eldridge, Jess G., assignor.)
Mechanical Rubber Company. (See Kent, William J., assignor.)
Mechanical Rubber Company. (See Keys, Walter C., assignor.)
Mechanical Rubber Company, The. (See Keys, W. C., Steiner, and Eldridge, assignors.)
Mechanical Rubber Company. (See Madge, Norman G., assignor.)
Mechanical Rubber Company. (See Reynolds, Elmer E., assignor.)
Mechanical Rubber Company, The. (See Rose, R. P., and Owen, assignors.)
Mechanical Rubber Company, The. (See Saurer, Curt, assignor.)
Mechanical Rubber Company, The. (See Steiner, H. W., Eldridge, and Keys, assignors.)
Mechanical Transfer Car Corporation. (See Wheeler, Holman K., assignor.)
Mechanical Vending Corporation. (See Klostermann, Curt W., assignor.)
Mechau, Emil, Sudende, Brunswick, Germany, assignor to General Electric Company, London, Ohio. Door frame and door for sheet metal structures. 1,888,561; Nov. 22.
Mechau, Mirko, Zagreb, Jugoslavia. Shoulder rest for violins. 1,879,386; Sept. 27.
Medal Brick & Tile Company, The. (See Deckman, Charles G., assignor.)
Medart, Fred, Manufacturing Company. (See Albach, Frank, assignor.)
Medaugh, Frederick W., Baltimore, Md. Fluid pressure meter. 1,881,213; Oct. 4.
Medearis, Lorain C., Storm Lake, Iowa. Nose guard. 1,840,732; Jan. 12.
Medeiros, Manuel J., San Jose, Calif. Building iron. 1,848,791; Mar. 8.
Medholdt, Louis T., assignor to Mattison Machine Works, Rockford, Ill. Truing the teeth of saw blades. 1,844,225; Feb. 9.
Medholdt, Louis T., assignor to Mattison Machine Works, Rockford, Ill. Apparatus for truing the teeth of saw blades. 1,844,330; Feb. 9.
Medholdt, Louis T., assignor to The J. A. Fay & Egan Company, Cincinnati, Ohio. Knife grinder support for woodworking machines. 1,874,331; Aug. 30.
Medill, James B. (See McCrindle, D., and Medill.)
Medin, Harry A., Minneapolis, Minn. Machine for making infusions of coffee and other material. 1,850,082; Mar. 22.
Medina, Emil, Oak Park, Ill. Manufacturing ornamental glass tile. 1,857,856; May 10.
Medley, Clarence R. (See Buquor, Adolph P., assignor.)
Medley Harrison Manufacturing Company, Mo. Fountain lather brush. 1,857,857; May 10.
Medley, James A. (See Maker, J. A., and Medley.)
Medlin, John P., Great Falls, Mont., assignor to Railway & Industrial Engineering Company, Greensburg, Pa. Electrical distributing system. 1,887,695; Nov. 15.
Medlock, Virgil H., near Bloomington, Ind. Automatic clutch and brake control. 1,886,569; Nov. 8.
Medlock, Wendyl R., assignor of twenty-four and one-half per cent to P. B. Glasser and twenty-four and one-half per cent to W. W. Goodman, Pocatello, Idaho. Tear gas gun. 1,885,126; Nov. 1.
Mednick, Philip, Brooklyn, N. Y. Brush. 1,889,211; Nov. 29.
Medoff, William, New York, N. Y. Cleansing tissue compact. 1,883,852; Oct. 18.
Medoff, William, assignor to National Cellulose Corporation, New York, N. Y. Folding paper box. Des. 87,165; June 14.
Medved, Nicholas, Canton, Ohio. Bearing for combined loads. 1,843,292; Feb. 2.
Medved, Nicholas, Canton, Ohio. Roller bearing. 1,843,293; Feb. 2.
Medved, Nicholas, Canton, Ohio. Double thrust roller bearing. 1,885,852; Nov. 1.
Medvedeff, Nicholas J., Scarsdale, N. Y. Aircraft. 1,854,520; Apr. 19.
Medvedeff, Nicholas J., Larchmont, N. Y. Airplane. 1,890,064; Dec. 6.
Medvedeff, Nicholas J., Larchmont, assignor to Aircraft Improvement Corporation, New York, N. Y. Auxiliary wings for airplanes. 1,872,163; Aug. 16.
Medville, Albert B., assignor to Auto Radiator Manufacturing Company, Chicago, Ill. Apparatus for forming radiator cores. 1,849,944; Mar. 15.
Meece, James R., Pickens, S. C. Guano distributor. 1,850,269; Mar. 22.
Meeder, Herbert L., Denver, Colo. Motor starter. 1,889,995; Dec. 6.
Meehan, Albert. (See McDermott, T. A., and Meehan.)
Meehan, Albert, New York, N. Y. Belt buckle. 1,856,775; May 3.
Mehne, George F., Far Rockaway, and A. L. Kennedy, New York, N. Y., assignors, by mesne assignments, to Wakefield Dort, Keene, N. H. Friction material. 1,849,999; Jan. 12.
Meehan, John P., et al. (See Frey, Elmer E., assignor.)
Meehan, John P., Los Angeles, Calif. Knock-down table. 1,889,583; Dec. 13.
Meehan, Paul A., Dayton, Ohio, assignor to Swindell-Dresier Corporation, Pittsburgh, Pa. Kiln car. 1,851,717; Mar. 29.
Meehan, Paul A., Cleveland, Ohio, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Sheet annealing furnace. 1,866,121; July 5.
Meehan, Paul A., Cleveland, Ohio, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Kiln car. 1,871,070; Aug. 9.
Meehan, Paul A., Cleveland, Ohio, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Method and apparatus for heat treating sheet metal. 1,890,065; Dec. 6.
Meek, Earl, Bonetrail, N. Dak. Tractor hitch. 1,859,001; May 17.
Meeks, Thomas H. (See Hitchcock, Guy F., assignor.)
Meeker, Charles H., Riverside, Calif. Applying reenforcing to film. 1,872,316; Aug. 16.
Meeker, Charles H., Riverside, Calif. Apparatus for applying reenforcing to film. 1,872,317; Aug. 16.
Meeker, David A., assignor to The Kitchen Aid Manufacturing Company, Troy, Ohio. Food mixing apparatus. Des. 86,505; Mar. 8.
Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 1,864,209; June 21.
Meeker, Frank P. (See Whipple, H. E., and Meeker.)
Meeks, George O. (See Meeks, Henry K. and G. O.)
Meeks, Henry K. and G. O., Spokane, Wash. Electric conduit sectional outlet box. 1,857,787; May 10.
Meeks, Thomas H., et al. (See Hitchcock, Guy F., assignor.)
Meeks, William C., Wichita, Kans. Wrench. 1,863,378; June 14.
Meell, George A., Bywood, assignor to The Bailey, Banks & Biddle Company, Philadelphia, Pa. Plate or similar article. Des. 87,933; Oct. 11.
Meem, James C., Brooklyn, N. Y. Tunnel construction. 1,884,799; Oct. 25.
Meem, James C., Brooklyn, assignor to Underpinning and Foundation Company, New York, N. Y. Trench bracing. 1,877,351; Sept. 13.
Meerwein, Hans, and H. Morschel, Konigsberg, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Production of acetone. 1,865,940; July 5.
Meerwein, Hans, and H. Morschel, Konigsberg, assignors to the Firm Schering-Kahlbaum, A. G., Berlin, Germany. Production of acetone. 1,891,333; Dec. 20.
Mees, Charles E. K., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic element overcoated with a screening dye. 1,878,961; Sept. 20.
Meese, Inc. (See Richards, Charles A., assignor.)
Meffert, Hermann. (See Fink, Leonhard, assignor.)
Megargee, Stanleigh, New York, N. Y. Bit. 1,875,195; Aug. 30.
Meggenhofen, Charles W., and J. L. Zink, Indianapolis, Ind. Adjustable hanger for brooms or mops. 1,883,808; Oct. 18.
Meggs, William L., Jacksonville, Fla. Combination ball bearing steering knuckle. 1,859,149; May 17.
Megley, Harley J., Chicago, Ill. Proofing type slugs. 1,857,315; May 10.
Meglitz, William B. (See Schur, M. O., and Meglitz.)
Meglitz, William B. (See Vogel, F. W., and Meglitz.)
Meglitz, William B., assignor to Brown Company, Berlin, N. H. Apparatus for testing sheet material. 1,881,812; Oct. 11.
Meglitz, William B., assignor to Brown Company, Berlin, N. H. Apparatus for bending sheet material. 1,881,813; Oct. 11.
Meglitz, William B., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Sheet folding mechanism. 1,881,814; Oct. 11.
Megow, George E., South Milwaukee, assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Resistor unit. 1,877,352; Sept. 13.
Megroz, Georges, Bronxville, N. Y. Textile fabric or the like. Des. 88,715; Dec. 20.

Megroz, Georges, Bronxville, N. Y., assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,244; Nov. 6.

Megroz, Georges, Bronxville, N. Y., assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like Des. 88,245; Nov. 6.

Megroz, Georges, Bronxville, N. Y., assignor to The United Piece Dye Works, New York, N. Y. Textile fabric or the like. Des. 88,246; Nov. 6.

Megroz, Georges, Bronxville, N. Y., assignor to The United Piece Dye Works, New York, N. Y. Textile fabric or the like. Des. 88,247; Nov. 6.

Megroz, Georges, Bronxville, N. Y., assignor to The United Piece Dye Works, New York, N. Y. Textile fabric or the like. Des. 88,248; Nov. 6.

Megroz, Georges, Bronxville, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,306; Nov. 15.

Megroz, Georges, Bronxville, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,307; Nov. 15.

Megroz, Georges, Bronxville, N. Y., assignor to The United Piece Dye Works, Lodi, N. J. Textile fabric. Des. 88,308; Nov. 15.

Megroz, Georges, Bronxville, N. Y., assignor to The United Piece Dye Works, Lodi, N. J. Textile fabric. Des. 88,309; Nov. 15.

Megroz, Georges, Bronxville, N. Y., assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,363; Nov. 22.

Megroz, Georges, Bronxville, N. Y., assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,364; Nov. 22.

Megroz, Georges, Bronxville, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,665; Dec. 13.

Megroz, Georges, Bronxville, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,811; Dec. 27.

Megroz, Georges, Bronxville, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,812; Dec. 27.

Megroz, Georges, Bronxville, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,813; Dec. 27.

Megroz, Georges, Bronxville, assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,814; Dec. 27.

Megroz, Roger, Bronxville, N. Y. Textile fabric or the like. Des. 88,165; Nov. 1.

Mehan, Thomas O., Chicago, Ill., assignor, by mesne assignments, to Remington Rand, Inc. Error key mechanism for adding machines. 1,876,719; Sept. 13.

Meharg, Virgil E. (See Courtney, R. P., and Meharg.)

Mehl, Charles, Philadelphia, Pa. Diving tank. 1,873,617; Aug. 23.

Mehler, Carl J. (See Dymock, Raymond, assignor.)

Mehler, Hugo, Philadelphia, Pa. Elastic lace braid. 1,885,749; Nov. 1.

Mehler, Leo A., East Chicago, Ind., and E. J. Westcott, assignors to Freyn Engineering Company, Chicago, Ill. Waste gas superheater. 1,881,815; Oct. 11.

Mehling, Carl W. (See Schwendler, R. H., and Mehling.)

Mehner, William R., and S. Young, Brigham City, Utah. Freezer for ice cream and the like. 1,867,017; July 12.

Mehren Lock Co. (See von Mehren, Oswald D., assignor.)

Mehrer, Philip, Toppenish, Wash. Tandem multiple supporting, driving, and braking mechanism. 1,877,930; Sept. 20.

Mehserle, Henry, assignor to Katie Mehserle, Rochester, N. Y. Paring machine. 1,850,633; Mar. 22.

Mehserle, Katie. (See Mehserle, Henry, assignor.)

Meidert, Friedrich, Frankfort-on-the-Main, Griesheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing siccatives. 1,878,962; Sept. 20.

Meidl, John. (See Suellow, E. O., and Meidl.)

Meier, Alfred W. (See Modra, W., and Meier.)

Meier, August, Munich, Germany. Process for the production of a mixed fertilizer consisting of ammonium bicarbonate and ammonium sulphate. 1,870,131; Aug. 9.

Meier, Frederick, Chicago, Ill. Container. 1,833,390; Oct. 18.

Meier, George F., Wethersfield, Conn. Lubricator connecting means. 1,844,099; Feb. 9.

Meier, Herbert H., and O. H. Dawson, Baytown, Tex., assignors to Standard Oil Development Company. Formation and recovery of doctor solution. 1,843,578; Feb. 2.

Meier, John A. (See Eisenhut, O., Bass, and Meier.)

Meier, Walter W. (See Garber, H. D., and Meier.)

Meier, Wilhelm F., Bridgeburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Test rack. 1,855,135; Apr. 19.

Meighan, George W., North Bergen, N. J. Pipe and conduit bender. 1,859,406; May 24.

Meigs, Charles H., assignor to Du-Gas Fire Extinguisher Corporation, New York, N. Y. Fire extinguisher container. 1,866,981; July 12.

Meigs, Joseph V., Chestnut Hill, Mass., assignor to Meigsold Corporation, Jersey City, N. J. Resinous product and making the same. 1,845,314; Feb. 16.

Meigs, Joseph V., Jersey City, N. J., assignor, by mesne assignments, to Plastix Corporation. Carbohydrate resinous material and making same. 1,868,215; July 19.

Meigs, Joseph V., Jersey City, N. J., assignor, by mesne assignments, to Plastix Corporation. Resinous product and making same. 1,868,216; July 19.

Meigs, Joseph V., Brooklyn, N. Y., assignor, by mesne assignments, to Plastix Corporation. Improved carbohydrate-phenol resin and making same. 1,877,417; Sept. 13.

Meigsold Corporation. (See Meigs, Joseph V., assignor.)

Meissner, Frederick A., Manitowoc, Wis. Skiving machine. 1,864,141; June 21.

Meikle, Daniel G., Louisville, Ky., and C. T. Paugh, Detroit, Mich., assignors to General Box Company, Chicago, Ill. Machine for folding wirebound box blanks. 1,845,091; Feb. 16.

Meikle, George S., New York, N. Y. Apparatus for producing combustible gas. 1,856,720; May 3.

Meikle, Marion A., Springfield, Ill. Combination box and cleaning brush for false teeth. 1,845,315; Feb. 16.

Meilink, Charles F., Toledo, Ohio. Loaded safe. 1,869,704; Aug. 2.

Meilink, Charles F., Toledo, Ohio. Spindle lock. 1,873,452; Aug. 23.

Meinardi, Peter. (See Gordon, Julius G., assignor.)

Meinecke & Company. (See Johnson, Edward, assignor.)

Meinel, William J., assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Drip molding attaching structure. 1,845,054; Feb. 16.

Meinel, William J., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Making metal stampings. 1,860,683; May 31.

Meingast, Rudolf, and Max Mugdan, assignors to Consortium Fuer Elektrochemische Industrie, Munich, Germany. Manufacturing acetic anhydride. 1,878,593; Sept. 20.

Meinig, E. Richard, Co. (See Meinig, Ernst R., assignor.)

Meinig, Ernst R., Wyomissing, assignor to E. Richard Meinig Co., Inc., Reading, Pa. Dyeing process and apparatus. 1,873,004; Aug. 23.

Meininghaus, Ewald, Lancaster, N. Y. Stake and holder therefor. 1,845,092; Feb. 16.

Meinzer, Gotthold H., and Sloan Shaw to L. Blake-Smith, San Francisco, Calif. Treating emulsions. 1,887,774; Nov. 15.

Meinzer, Gotthold H., assignor to L. Blake-Smith, San Francisco, Calif. Mechanically treating emulsions. 1,887,775; Nov. 15.

Meis, Helmuth, Wiesdorf, Germany, assignor to I. G. Farbeindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Substituted guanidines. 1,850,682; Mar. 22.

Meisel, Benjamin W., New York, N. Y., and Meisel.

Meisel, Charles A., Milton, and J. P. E. Neilson, Quincy, assignors to Meisel Press Manufacturing Company, Boston, Mass. Press cylinder. 1,858,265; May 17.

Meisel, Max, New York, N. Y. Neckless guitar-mandolin. 1,839,244; Jan. 5.

Meisel Press Manufacturing Company. (See Meisel, C. A., and Neilson, assignors.)

Meiser, George H. (See Costello, Charles J., assignor.)

Meiser, Josef, Dortmund-Eving, Germany, of channel sections with wide flanges. 1,850,026; Mar. 15.

Meiser, Wilhelm. (See Neelmeier, W., and Meiser, assignors.)

Meiser, Wilhelm, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Lewco sulphuric acid esters of the ureas of beta-leucoaminoanthraquinones. 1,864,659; June 28.

Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for transmitting and receiving short waves. 1,858,679; May 17.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Convertible band pass receiver. 1,872,318; Aug. 16.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezo-electric acoustic device. 1,873,715; Aug. 23.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches, Berlin, Germany. Piezo electric oscillator. 1,875,087; Aug. 30.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezo-electric crystal. 1,875,347; Sept. 6.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Light control arrangement. 1,880,102; Sept. 27.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Making high grade dielectric materials. 1,886,234; Nov. 1.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Stabilizing noncrystalline piezo-electric microphone diaphrams. 1,886,235; Nov. 1.

Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Making wound (roll) condensers of greater breakdown strength. 1,886,236; Nov. 1.

Meissner, Bernhard, Woodside, N. Y. Internal combustion motor. 1,891,770; Dec. 20.

Meissner, Earl R., Berkeley, Calif. Electric door operator. 1,848,136; Mar. 8.
Meissner, Oswald. (See Böger, O., and Meissner.)
Meissner, Theodor, H. Heyna, and E. Fischer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the thioanaphthene-indoiindigo series. 1,857,250; May 10.
Meister, Robert J., Cincinnati, Ohio. Soap saver. 1,871,514; Aug. 16.
Meiswinkel, Cleveland A., Burlingame, Calif. Building construction. 1,841,905; Jan. 19.
Meitner, Viktor, Vienna, Austria. Recovery of tin compounds in the art of loading silk. 1,878,507; Sept. 20.
Meitzler, Charles R., assignor of one-half to O. H. Pieper and one-half to A. P. Weiss, Rochester, N. Y. Surgical instrument. 1,844,588; Feb. 9.
Meixell, John W., Lewisburg, Pa. Weed pulling device. 1,867,068; July 12.
Mckeel, Van C., Oak Park, Ill. Digging tooth. 1,845,677; Feb. 16.
Mckeel, Van Cortright, Wauwatosa, Wis. Digger tooth. 1,874,783; Aug. 30.
Mckler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Radiant and convection heat furnace. 1,881,283; Oct. 4.
Mckler, Valentine A. (See Morrell, J. C., and Mekler.)
Mclamid, Michael, Berlin-Zehlendorf, Germany. Performing chemical reactions. 1,847,778; Mar. 1.
Melcher, Franz, Vienna, Austria. Counter running double propeller. 1,853,694; Apr. 12.
Melcher, Lee W., Fond du Lac, Wis., assignor to The Fafnir Bearing Company, New Britain, Conn. Car axle bearing. 1,866,263; July 5.
Melcher, Lee W., Fond du Lac, Wis., assignor to The Fafnir Bearing Company, New Britain, Conn. Car truck. 1,866,264; July 5.
Melcher, Ralph A., assignor, by mesne assignments, to Archie O. Long, Kansas City, Mo. Coin mechanism for vending machines. 1,871,901; Aug. 16.
Melchiona, Frank A., Cincinnati, Ohio. Shoe structure. 1,871,547; Aug. 16.
Meldahl, Horace S., New York, N. Y. Wall radiator. 1,839,306; Jan. 5.
Meldahl, Horace S., New York, N. Y. Wall radiator. 1,885,938; Nov. 1.
Meldahl, Horace S., Charleston, W. Va. Vanity dresser. 1,866,314; July 5.
Meldahl, Horace S., Charleston, W. Va. Vanity dresser. 1,891,680; Dec. 20.
Melchiah, Knud G., Fredriksstad, Norway. Steamship with the main boiler mounted on a deck or platform at some height above the bottom of the ship or the tank tops. 1,875,624; Sept. 6.
Meldrim, Charles R., Bayport, N. Y. Wire hinge. 1,843,170; Feb. 2.
Meldoni, Constantin, New York, N. Y. Piston packing ring. 1,842,533; Jan. 26.
Meldoni, Constantine, New York, N. Y. Resilient piston. 1,881,214; Oct. 4.
Melin, André, Paris, France. Box covering. Des. 87,641; Aug. 23.
Melin, Hans, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Sheet conveying apparatus. 1,882,855; Oct. 18.
Melind, Louis, Chicago, Ill. Name plate. 1,863,633; June 21.
Melind, Louis, Chicago, Ill. Stamp. 1,879,387; Sept. 27.
Melita, Sebastiano. (See Matti, S., and Melita.)
Melka, Charles A., Chicago, Ill. Shaving cream dispensing safety razor. 1,867,980; July 19.
Melkman, Saul E., Montreal, Quebec, Canada. Hair wave-curling iron. 1,867,651; May 10.
Mellanoff, Isadore S., Philadelphia, Pa., assignor to Kemikal, Inc. Molding, coating, filling, impregnating, and binding. 1,857,690; May 10.
Mellanoff, Isadore S., Philadelphia, assignor to Kemikal, Inc., Shellac substitute. 1,857,691; May 10.
Mellars, Newton W. (See Forde, T. H., and Mellars.)
Mellberg, Arthur W., New Rockford, assignor of one-half to H. P. Milender, Minot, N. Dak. Automatic air release. 1,840,733; Jan. 12.
Mellema, Cornelis H. G. (See Zecher, G., and Mellema.)
Meller, John. (See Royle, J. S., and Mellor.)
Mellerio, Lucien P., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener and shoe. 1,859,452; May 24.
Mellerio, Lucien P., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machines for treating shoe stiffeners. 1,884,800; Oct. 25.
Mellerio, Lucien P., and W. J. Lund, Leicester, England, assignors to United Shoe Machinery Corporation. Paterson, N. J. Shoe stiffener. 1,846,346; Feb. 23.
Mellgren, Gunnar E., Tidaholm, J. G. Sjöström, Jonkoping, A. R. Swahnberg and G. V. Hedin, Tidaholm, Sweden. Manufacturing match boxes. 1,872,162; Aug. 16.
Mellgren, Magnus, Gottenborg, Sweden. Frying pan. 1,882,670; Oct. 13.
Mellin, Oscar A., Alameda, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing device. 1,859,593; May 24.
Melling Forging Company. (See Hargraves, S. S., De Orlow and Wilford, assignors.)
Mellon Institute of Industrial Research, trustee. (See Beal, G. D., and McGregor, assignors.)
Mellor Bromley & Company, Limited. (See Bromley, T. C., and Shorland, assignors.)
Mellor, George A., Welling, assignor of one-half to The General Electric Company, Limited, London, England. Piston for internal combustion engines. 1,856,107; May 3.
Mellor, John, Bay Head, N. J. Metallic packing for reciprocating or rotating members. 1,842,942; Jan. 26.
Mellowes, Alfred W., assignor of one-half to E. B. H. Tower, jr., Milwaukee, Wis. Mechanical refrigerating evaporator. 1,847,057; Feb. 23.
Melmer, William R., Toronto, Ontario, Canada. Automatic door closing device. 1,851,260; Mar. 29.
Melms, Fritz, Premintz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the manufacture of artificial threads. 1,877,002; Sept. 13.
Melotte, Daniel H., assignor to American Radiator Company, New York, N. Y. Pipe casting apparatus. 1,862,975; June 14.
Melos, Samuel O., Des Moines, Iowa. Fan for pneumatic blowers and the like. 1,884,067; Oct. 25.
Meloy, John M. (See Galloway, R. M., and Meloy.)
Melrose, William K., and J. C. Stead, assignors to Sugar Beet and Crop Driers, Limited, London, England. Production of sugar from dried beets. 1,849,998; Mar. 15.
Melville, Herbert J., and R. L. Wilson, assignors to Wm. Wrigley, jr., Company, Chicago, Ill. Package sealing machine. 1,874,568; Aug. 30.
Melyan, Paul, Chicago, Ill. Top-spinning handle. 1,850,145; Sept. 27.
Melzer, Otto. (See Wahl, J., and Melzer.)
Memorial Hospital for the Treatment of Cancer and Allied Diseases. (See Hoffman, William Joseph, assignor.)
Menard, Julio. (See Compteq, O. L., and Menard.)
Menasha Products Company, The. (See Gardner, George H., assignor.)
Menasha Products Company, The. (See Hill, Richard T., assignor.)
Menasha Products Company, The. (See Lewandowski, Edward H., assignor.)
Menasha Products Company, The. (See Willauer, William R., assignor.)
Menasha Wooden Ware Corporation. (See Young, John, jr., assignor.)
Mendel-Drucker Company, The. (See Luttmann, Joseph A., assignor.)
Mendel, William, Beverly, assignor to Neidich Viscose Corporation, Burlington, N. J. Textile fabric. 1,860,314; May 24.
Mendel, William, Beverly, assignor to S. A. Neidich, Edgewater Park, N. J. Products of celluloid and the like. 1,884,068; Oct. 25.
Mendel, William, Beverly, assignor to Neidich Viscose Corporation, Burlington, N. J. Forming composite cords and braids. 1,884,069; Oct. 25.
Mendelsohn, Gertrude B., Painesdale, Mich. Wall rack or similar article. Des. 85,951; Jan. 5.
Mendelsohn, Samuel, New York, N. Y. Attachment for safety razors and flash lights. 1,862,274; June 7.
Mendelson, Charles, et al. (See Hamilton, Charles E., et., assignor.)
Mendelson, Percy, et al. (See Hamilton, Charles E., et., assignor.)
Mendenhall, Earl, and J. B. Van Horn, Los Angeles, Calif. Submersible motor and reciprocating pump. 1,842,457; Jan. 26.
Mendenhall, Earl, and J. B. Van Horn, Los Angeles, Calif. Submersible electric motor. 1,879,625; Sept. 27.
Mendenhall, Earl, and J. B. Van Horn, Los Angeles, Calif. Emulsion preventing means. 1,879,626; Sept. 27.
Mendenhall, Earl, and J. B. Van Horn, Los Angeles, Calif. Bearing structure having unbalanced lubrication. 1,879,627; Sept. 27.
Mendenhall, Earl, and J. B. Van Horn, Los Angeles, Calif. Submersible motor without oil-supply means. 1,879,628; Sept. 27.
Mendenhall, Earl, and J. B. Van Horn, Los Angeles, Calif. Double-acting reciprocating pump. 1,891,771; Dec. 20.
Mendenhall, Thomas W., Wichita Falls, Tex. Automobile attachment. 1,845,171; Feb. 16.
Mendola, Joseph, Rochester, N. Y. Control mechanism for radio apparatus. 1,854,555; Apr. 19.
Mendosa, John A., Manteca, Calif. Adjustable hat. 1,886,493; Nov. 8.
Mendoza, Ernesto, and R. Sala, Mexico, Mexico. Take up device for looms. 1,843,829; Feb. 2.
Mendoza, Mordecai. (See Saunders, K. H., and Mendoza.)
Mendoza, Mordecai, Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of pyrazolone compounds. 1,841,621; Jan. 19.
Mendoza, Mordecai, Blackley, Manchester, assignor to British Dyestuffs Corporation, Limited, Manchester, England. Intermediates and dyes therefrom. 1,841,622; Jan. 19.
Mendoza, Mordecai, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. New pyrazolones and dyes therefrom. 1,841,623; Jan. 19.
Menefee, Elmer, Zanesville, Ohio, assignor to J. R. Kearney Corporation, St. Louis, Mo. Cable fastening means. 1,887,275; Nov. 8.

Menefee, Thomas W. (See Craig, Richard M., assignor.)
Menesson, Marcel, assignor to the Societe Anonyme Solex, Neuilly-sur-Seine, France. Carburetor. 1,874,784; Aug. 30.
Meng, Arthur, Cleveland, Ohio. Combined tray and candle holder. Des. 86,731; Apr. 12.
Meng, Frederick, A., Dearborn, Mich. Flying machine. 1,877,003; Sept. 13.
Mengarini, Fausta V., New York, N. Y. Statue or article of analogous nature. Des. 86,777; Mar. 22.
Mengdehl, Heimut. (See Keyssner, E., and Mengdehl.)
Mengel Body Company. (See Hoge, William L., assignor.)
Mengel Company, The. (See Turner, Joseph O., assignor.)
Menger, George, Oak Park, Ill. Vehicle springs. 1,882,024; Oct. 4.
Menges, Albert C., deceased; L. E. Menges, administratrix, Denver, Colo., assignor, by mesne assignments, to General Motors Research Corporation, Detroit, Mich. Lubricating means for motor vehicle spring shackles. 1,845,433; Feb. 16.
Menges, Lillie E., administratrix. (See Menges, Albert C.)
Menhall, Frederick W., assignor to Highway Trailer Company, Edgerton, Wis. Clutch brake. 1,865,129; June 28.
Menke, Edward W., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Feeding device. 1,842,762; Jan. 26.
Menkhaus, Ralph, Greensburg, Ind. Carburetor. 1,858,166; May 10.
Menkhaus, Victor H., Norwood, Ohio. Floor scrubbing machine. 1,878,958; Sept. 20.
Menking, William H. (See Gewecke, J. G., Ellison, and Menking.)
Mennell, Lee D., Cleveland, and W. Lafferty, Lakewood, Ohio. Flowerpot. 1,869,606; Aug. 2.
Mennesson, Marcel, assignor to "Société Anonyme Solex," Neuilly-on-the-Seine, France. Carburetor. 1,883,809; Oct. 18.
Mennesson, Marcel, assignor to "Societe Anonyme Solex," Neuilly-sur-Seine, France. Carburetor. 1,889,687; Nov. 29.
Mennicke, Emil M., assignor of one-half to H. O. Lorenz, New York, N. Y. Coffee percolator. 1,884,070; Oct. 25.
Mennicke, Max, Rochester, N. Y. Steam boiler for eggs. 1,850,131; Mar. 22.
Mennicken, Karl, Essen, Germany. Roof and wall structure. 1,888,233; Nov. 22.
Menninghaus, Frederick, Clifton, N. J. Clothesline elevating device. 1,845,885; Feb. 16.
Menns, Alfred W., and Menns, assignor, by direct and mesne assignments, to Menns Window Corporation, Boston, Mass. Window construction. 1,862,767; June 14.
Menns Window Corporation. (See Menns, Albert W., assignor.)
Menon, Vadakkath R., Singapore, Straits Settlements. Adjustable desk and seat arrangement. 1,858,103; May 10.
Mensman, Charles J., Washington, D. C. Key case. 1,858,962; May 17.
Mentges, John, Sidney, Ohio, assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Paper folding machine. 1,871,900; Aug. 16.
Mentor, Ward, Grand Rapids, Mich. Controlling means for electric devices. 1,846,687; Feb. 23.
Menut, Leopold, Mount Vernon, assignor to Dubilier Condenser Corporation, New York, N. Y. Terminal. 1,862,273; June 7.
Menzel, Friedrich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electromagnetic switch. 1,877,553; Sept. 13.
Menzel, Friedrich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric storage battery. 1,884,071; Oct. 25.
Menzies, C. M. (See Eichelberger, Gaylord A., assignor.)
Menzl, Alan B., Clayton, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Apparatus for forming metallic retaining members. 1,877,004; Sept. 13.
Meota, Marvin W., assignor to Murray Body Corporation, Detroit, Mich. Door latch. 1,857,513; May 10.
Mercadante, Joseph, Larchmont, N. Y., and A. M. Thomson, Newark, N. J., assignors to Dardelet Threadlock Corporation, New York, N. Y. Machine for finishing and tapping nut blanks. 1,891,721; Dec. 20.
Mercantile-Commerce Bank and Trust Company, trustee (See Schwartz, Jacob C.)
Mercedes Büromaschinen Werke Aktiengesellschaft. (See Schlius, Carl, assignor.)
Mercer, George J., assignor of one-half to R. J. Burton, Detroit, Mich. Vehicle closed body. 1,854,210; Apr. 19.
Mercer, Raymond C., Los Angeles, Calif. Film clip. 1,839,407; Jan. 5.
Mercer, William B., Binghamton, assignor to Gifford-Wood Company, N. Y. Discharge chute for storage bins. 1,867,462; July 12.
Mercereau, James T., and H. L. Cole, assignors to Westinghouse Electric and Manufacturing Company. Tap changing system. 1,873,777; Aug. 23.
Merchant & Evans Company. (See Benn, Stephen J., assignor.)
Merchant, Paul W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of lead sludge. 1,875,088; Aug. 30.
Merchants Association, Inc. (See Nelson, Nels H., assignor.)
Merchen, Glen G., assignor to Merchen Scale Feeder Company, Spokane, Wash. Automatic weighing machine. 1,850,179; Mar. 22.
Merchen Scale Feeder Company. (See Merchen, Glen G., assignor.)
Mercier, Jean, Paris, France. Suspension device. 1,842,418; Jan. 26.
Mercier, Jean, Paris, France. Synthesis of hydrocarbon fuels, and for the cracking and hydrogenation of heavy hydrocarbons. 1,888,998; Nov. 29.
Mercier, Louis M., Neuilly Sur/Seine, France. Pressure indicating inflator. 1,857,062; May 3.
Mercier, René, assignor to Etablissements Aera, Paris, France. Device for electrically lighting signals. 1,860,328; May 24.
Mercier, Walter H., Baton Rouge, La. Hot water dripper. 1,852,356; Apr. 5.
Mercier, Warren C., Danbury, Conn. Rear window shade for automobiles. 1,872,164; Aug. 16.
Mercier y Solé, Isidro, Barcelona, Spain. Box loom. 1,873,159; Aug. 23.
Mercil Plating Equipment Company. (See O'Neill, William J., assignor.)
Merck & Co., Inc. (See Chandler, Wallace L., assignor.)
Merck & Co. (See Engels, William H., assignor.)
Merco Centrifugal Separator Co. (See Coe, Harrison S., assignor.)
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Mercur, Nathan L. (See Hook, C. H., and Mercur.)
Mercur, Nathan L., McKeesport, Pa. Electroresponsive valve mechanism. 1,871,071; Aug. 9.
Mercury Manufacturing Company. (See Kline, Lawrence J., assignor.)
Merdan, Alexander, New York, N. Y., assignor to C. Osad, Jersey City, N. J. Heat control emergency plug. 1,859,977; May 24.
Merdian, George, Scio, Oreg. Aeroplane. 1,844,777; Feb. 9.
Meredith, Frederick W., et al. (See Griffith, A. A., Kerr, and Meredith.)
Meredith, Harold H. (See Williams, John C., assignor.)
Meredith, Percy W., Oregon City, Oreg. Brambleberry. Pl. Pt. 39; Oct. 25.
Meredith Publishing Company. (See Gleason, O., and Boylan, assignors.)
Meredith, Russell L., Washington, D. C. Dual lubricating system for airplane engines. 1,858,638; May 17.
Meredith, Wynn, Oakland, Calif. Level variation indicating apparatus. 1,892,110; Dec. 27.
Mergenthaler Linotype Company. (See Ackerman, William, assignor.)
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Archer, Alfred, assignor.)
Mergenthaler Linotype Company. (See Aynge, William E., assignor.)
Mergenthaler Linotype Company. (See Bailey, Guy D., assignor.)
Mergenthaler Linotype Company. (See Bienert, Karl, assignor.)
Mergenthaler Linotype Company. (See Burt, Harold A., assignor.)
Mergenthaler Linotype Company. (See Burt, H. A., and Hilpman, assignors.)
Mergenthaler Linotype Company. (See Govier, C. W., and Reid, assignors.)
Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)
Mergenthaler Linotype Company. (See Kennedy, David S. assignor.)
Mergenthaler Linotype Company. (See Kennedy, Luther L., assignor.)
Mergenthaler Linotype Company. (See McNamara, James T., assignor.)
Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)
Mergenthaler Linotype Company. (See Morrison, Luther E., assignor.)
Mergenthaler Linotype Company. (See Stouges, Anthony J., assignor.)
Mergentheim, Rose H., Winnetka, Ill. Milk bottle cap. 1,890,691; Dec. 13.
Mergott, J. E., Company, The. (See Hiering, William C., assignor.)
Merhar, Frank, Portland, Oreg. Combination serving tray and table for automobiles. 1,852,357; Apr. 5.
Meriaux, Lucien, Culver City, Calif. Animal hutch. 1,870,957; Aug. 9.
Merica, Paul D., Westfield, and J. S. Vanick, Elizabeth, N. J., assignors, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Alloy. 1,867,018; July 12.
Merk, August, Radeberg, assignor to Porzellanfabrik C. M. Hutschenreuther A. G., Dresden, Germany. Artificial tooth. 1,859,453; May 24.
Merk, Friedrich, Frankfort-on-the-Main, Germany. Automatic telephone switch. 1,849,986; Mar. 15.

Merkel, Arno, New York, N. Y., and R. R. Halpenny, Bridgeport, Conn., assignors to R. G. MacPherson and J. E. MacPherson, New York, N. Y. Phonograph electrical reproducers. 1,856,922; May 3.

Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Adjustable reactor. 1,852,358; Apr. 5.

Merkel & Kienin G. m. b. H. (See Schlierer, Eugen, assignor.)

Merkin, John A., Paris, Ill. Display rack. 1,841,753; Jan. 19.

Merkle, Joseph R., Newark, N. J., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Tabulating machine. 1,884,072; Oct. 25.

Merklin, George, Bonilla, S. Dak. Wheel cleaning attachment for tractors. 1,877,005; Sept. 13.

Merle, André N., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Speed-governor. 1,857,718; Mar. 29.

Merle, André N., Vincennes, assignor to Pathé Cinéma, Anciens Etablissements Pathé Freres, Paris, France. Film-counter for cinematographic view-taking apparatus. 1,858,792; May 17.

Merle, André N., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Motion picture apparatus. 1,868,331; July 19.

Merle, André N. Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Stopping device for cinematographic apparatus. 1,871,355; Aug. 9.

Merlé, André N., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Attaching lenses to cameras. 1,887,103; Nov. 8.

Merley, Sylvan R., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Rectification. 1,862,758; June 14.

Merley, Sylvan R., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Dehydrating alcohols and other organic compounds. 1,873,005; Aug. 23.

Merley, Sylvan R., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Alcohol recovery. 1,873,006; Aug. 23.

Merley, Sylvan R., Dover, N. J., and O. Spring, Okmulgee, Okla., assignors to Doherty Research Company, New York, N. Y. Formation and recovery of alcohols. 1,859,241; May 17.

Merlotti, Vittorio, et al. (See Rossi, Joseph P., assignor.)

Merlub-Sobel, Menahem. (See Cooper, H. S., and Merlub-Sobel.)

Merneck, John K., Hammond, Ind. Glass extracting device. 1,862,976; June 14.

Merolle, Augustus L. (See Muckie, Charles H., assignor.)

Meroussis, Nickolas, New York, N. Y. Swimming appliance. 1,887,120; Jan. 5.

Merrell, Charles G., Wyoming, and M. Bye, assignors to The William S. Merrell Company, Cincinnati, Ohio. Product of castor oil. 1,862,315; June 7.

Merrell, William S., Company, The. (See Merrell, C. G., and Bye, assignors.)

Merriam, Francis J., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporatd, New York, N. Y. Radio telephone system. 1,857,819; May 10.

Merriam, Henry W., Orange, N. J., assignor to General Chemical Company, New York, N. Y. Treating waste gases. 1,862,695; June 14.

Merriam, Lynn W. (See Pence, Ira W., assignor.)

Merrick, Andrews C., assignor of one-half to H. Killips, Oskaloosa, Iowa. Apparatus for testing blood. 1,839,573; Jan. 5.

Merrick, Eldridge G., Schenectady, N. Y., assignor to General Electric Company. Protection of dynamo-electric machines. 1,867,416; July 12.

Merrick, Eldridge G., Schenectady, N. Y., assignor to General Electric Company. Protection of electric-dynamo machines. 1,867,417; July 12.

Merrick, Frank W., Dorchester, Mass. Edge trimmer and the like. 1,869,484; Aug. 2.

Merrick, Frank W., Dorchester, assignor to Wonder Weave, Inc., Boston, Mass. Shedding mechanism for looms. 1,850,251; Mar. 22.

Merrick, Frank W., Dorchester, assignor to Wonder Weave, Inc., Boston, Mass. Shedding mechanism for looms. 1,851,707; Mar. 29.

Merrick, Frank W., Dorchester, Mass., assignor to American Stay Company, East Boston, Mass. Apparatus for skiving strip material. 1,862,348; June 7.

Merrick, Frank W., Dorchester, assignor to Wonder Weave, Inc., Boston, Mass. Loom. 1,875,089; Aug. 30.

Merrick, Frank W., Dorchester, assignor to American Stay Company, East Boston, Mass. Braiding machine. 1,876,147; Sept. 6.

Merrick, Sumner B., Fort Worth, Tex., assignor to Washington Loan & Trust Company, Trustee, Washington, D. C. Noncorrodible well pump. 1,844,780; Feb. 9.

Merrill Aircraft Company. (See Ford, H. C., Ballon, and Balzer, assignors.)

Merrill Aircraft Company. (See Merrill, Albert A., assignor.)

Merrill, Albert A., Jamaica, assignor, by mesne assignments, to Merrill Aircraft Company, Long Island City, N. Y. Airplane. 1,869,864; Dec. 6.

Merrill, Albert D. (See Dunbar, T. L., and Merrill.)

Merrill, Allan B. (See Thompson, W. B., and Merrill.)

Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Shaft sleeve. 1,850,683; Mar. 22.

Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Waterproofed beat insulating material. 1,858,630; May 17.

Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Grafting and budding tape. 1,869,607; Aug. 2.

Merrill, Edwin C., Pittsburgh, Pa. Gas heating stove. 1,855,980; Apr. 26.

Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Speed regulating system. 1,852,817; Apr. 5.

Merrill, George H., Forest Hills, N. Y. Making protecting sheaths for connecting devices. 1,876,720; Sept. 13.

Merrill, Leslie M. (See Oestnaes, V. L., Luce, and Merrill.)

Merrill, Patterson D., assignor to M. B. Skinner Co., South Bend, Ind. Making a cutter. 1,866,315; July 5.

Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Desk top. 1,840,274; Jan. 5.

Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Furniture construction. 1,875,635; Sept. 6.

Merrill, Samuel I., Los Angeles, and W. D. Merrill, Sierra Madre, Calif. Door locking mechanism for banks and the like. 1,865,779; July 5.

Merrill, Sidney B., assignor to The E. W. Vanduzen Company, Cincinnati, Ohio. Striking mechanisms for bells. 1,848,020; Mar. 1.

Merrill, Thomas B. (See Tyler, D., and Merrill.)

Merrill, Wallace D. (See Merrill, Samuel I. and W. D.)

Merrill, Wilbur L., Scotia, N. Y., assignor to General Electric Company. Heat control apparatus. 1,869,161; July 26.

Merrimac Chemical Company. (See Curtis, Francis J., assignee.)

Merriman, David W., Beaver Falls, Pa. Athletic standard. 1,887,033; Nov. 8.

Merritt, Arthur A., Edgewood, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machine. 1,869,489; Aug. 2.

Merritt, Bertie O., Scribner, Nebr., assignor of one-half to John A. Germiquet, Edgemont, S. Dak. Terminal connecter. 1,877,142; Sept. 13.

Merritt-Chapman & Scott Corporation. (See Burrows, George, assignor.)

Merritt Engineering & Sales Company. (See Merritt, Ericsson H., assignor.)

Merritt Engineering & Sales Company. (See Raettig, Alfred W., assignor.)

Merritt Engineering & Sales Company. (See Stanley, Richard W., assignor.)

Merritt, Ericsson H. (See Meyers, Sidney E., assignor.)

Merritt, Ericsson H., assignor to Merritt Engineering & Sales Company, Inc., Andover, N. Y. Veneer stripping and clipping machine. 1,841,544; Jan. 19.

Merritt, George D. (See Fisher, Adlai E., assignor.)

Merritt, Glenn W., assignor to Mining Safety Device Company, Bowerston, Ohio. Cage lock. 1,885,277; Nov. 1.

Merritt, Henry E., Huddersfield, England. Friction clutch device. 1,846,745; Feb. 23.

Merritt, Matthew M., Middleton, Mass., assignor, by mesne assignments, to The Tanning Process Company, Boston, Mass. Tanning hides and skins. 1,841,896; Jan. 19.

Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Tanning hides and skins. 1,852,906; Apr. 5.

Merritt, Matthew M., Middleton, assignor, by mesne assignments, to The Tanning Process Company, Boston, Mass. Machine for treating hides, skins, and leathers. 1,878,420; Sept. 20.

Merritt, Ralph P. (See Alder, William F., assignor.)

Merritt, Vernon, Montgomery, Ala. Device for preventing vessels from bursting. 1,851,202; Mar. 29.

Merry, Elizabeth, New York, N. Y. Textile fabric or the like. Des. 88,249; Nov. 8.

Merry, Elizabeth, New York, N. Y. Textile fabric or the like. Des. 88,250; Nov. 8.

Merry, Elizabeth, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,310; Nov. 15.

Merry, Elizabeth, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,311; Nov. 15.

Merry, Elizabeth, assignor to Combier & Co., New York, N. Y. Textile fabric or the like. Des. 88,476; Nov. 29.

Merry, Elizabeth, assignor to Combier & Co., New York, N. Y. Textile fabric or the like. Des. 88,477; Nov. 29.

Merrylees, Thomas S., Yeadon, Pa. Liquid cooler. 1,874,853; Apr. 19.

Merryman, Arthur N., Woburn, assignor to The Cheney Company, Winchester, Mass. Apparatus for bending sheet metal. 1,870,260; Aug. 9.

Merryman, William E., Richmond, Ind. Clamp. 1,877,006; Sept. 13.

Merryweather, James, assignor of forty per cent to J. G. Campbell, Greencastle, Ind. Furnace construction. 1,859,748; May 24.

Merryweather, Thomas, Akron, Ohio. Furnace. 1,841,250; Jan. 12.

Mersereau, Donald W. (See Wells, Robert F., and Mersereau.)

Mersereau, Donald W., assignor to General Railway Signal Company, Rochester, N. Y. Trap circuit for railway signaling systems. 1,889,450; Nov. 29.
Mersey Paper Company. (See Wood, Charles, assignor.)
Mershon, Alfred V., Schenectady, N. Y., assignor to General Electric Company. Automatic control of feeding mechanism in tool machines. 1,879,388; Sept. 27.
Mershon, Ralph D., New York, N. Y. Electrolytic condenser. 1,874,111; Aug. 30.
Mershon, Ralph D., New York, N. Y. Excited electrolytic condenser. 1,889,415; Nov. 29.
Mershon, Ralph D., New York, N. Y. Electrolytic condenser. 1,889,416; Nov. 29.
Mershon, Ralph D., New York, N. Y. Electrolytic rectifier. 1,889,417; Nov. 29.
Mershon, W. B., Co. (See Rhinvevault, Glenn G., assignor.)
Mertè, Willy, and E. Wanderslеb, assignors to Firm Carl Zeiss, Jena, Germany. Photographic three-lens objective. 1,849,681; Mar. 15.
Merten, William J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gray cast iron and producing the same from iron-silicon alloys. 1,849,502; Mar. 15.
Merten, William J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Annealing nitrided steel. 1,864,083; June 21.
Mertens, Eugène Louvain, Belgium. Extracting neutral grease from wool scouring water and treating same. 1,853,871; Apr. 12.
Mertes, Albert T. (See Seguine, W., jr., and Mertes.)
Mertes, August, Cleveland, Ohio, assignor, by mesne assignments, to The Mertes Sign Pen Co., Glass Company, Pittsburgh, Pa. Automatically acting brush making machine. 1,857,207; May 10.
Mertz, Pierre. (See Brandt, S., and Mertz.)
Mertz, Thomas W., Webster Springs, W. Va. Fuse plug. 1,847,970; Mar. 1.
Mertz, Walter M. (See Roe, G. R., and Mertz.)
Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Radiator. 1,892,216; Dec. 27.
Merwin, Burton P., assignor of one-half to The Weston Toy Company, Incorporated, Weston, Conn. Mechanical movement for toys. 1,874,509; Nov. 15.
Merwin, George M., Berwyn, Ill., assignor to International Harvester Company. Safety device for corn shredders. 1,864,162; June 21.
Merwin, John C., assignor to Chain Belt Company, Milwaukee, Wis. Drum roller mounting for concrete mixers. 1,856,958; Nov. 22.
Merz, Fritz, and A. Schauss, Frankfort-on-the-Rodelheim, Germany. Machine for fastening with wire staples. 1,880,327; Oct. 4.
Merzinka, Eduard, Prague-Vrsovice, Czechoslovakia. Adjustable fastener for gloves and shoes. 1,839,574; Jan. 5.
Mesa, Maria L., New York, N. Y. Frosting process. 1,888,069; Nov. 23.
Meserve, Raymond M., assignor of one-half to R. C. Stearns, Portland, Me. Oil and water heater for internal combustion engines. 1,848,188; Mar. 8.
Mesick, Harry F., jr., Schenectady, N. Y., assignors to General Electric Company. Photo-electric tube. 1,843,728; Feb. 2.
Mesinger, Frederick, Mount Vernon, N. Y. Saddle. 1,865,872; July 5.
Mesker Brothers Iron Company. (See Mesker, Francis A., assignor.)
Mesker, Francis A., assignor to Mesker Brothers Iron Company, St. Louis, Mo. Ventilator construction. 1,882,249; Oct. 11.
Mesker, Louis H., Shaker Heights, assignor to The Cleveland Plow Company, Cleveland, Ohio. Head clamp. 1,858,898; May 17.
Mesler, Bertram E., Brooklyn, N. Y. Shade roller stop. 1,851,366; Mar. 29.
Messiter, Alois J., Huntington Park, Calif. Making pipe insulation. 1,864,923; June 28.
Mess, Arthur G., Dayton, assignor to The National Register Company, Dayton, Ohio. Book end. Des. 86,794; Apr. 19.
Messenger, Lewis P., assignor of one-half to L. Montgomery, Santa Barbara, Calif. Boat. 1,889,368; Nov. 29.
Messenie, Paul A., Chicago, Ill. Firearm. 1,844,779; Feb. 9.
Messer, George H., Newark, N. J. Oil burner system. 1,858,837; May 17.
Messer, L. T., et al. (See Adams, Alexander S., assignor.)
Messer, Peter J., Olean, N. Y. Machine for making glass articles. 1,854,753; Apr. 19.
Messer, William E., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacture of mercapto benzothiazole. 1,865,477; July 5.
Messerknecht, Carl. (See Winkler, F., Messerknecht, and Feiler.)
Messerschmidt, William, assignor to Richfield Oil Corporation, New York, N. Y. Sign. Des. 86,259; Feb. 16.
Messerschmitt, Willy, Augsburg, Germany. Flying machine. 1,891,941; Dec. 27.
Messgerate Boykow, G. m. b. H. (See Boykow, Johann M., assignor.)
Messick, Charlton and A. S. Langsdorf, St. Louis, Mo. Registering device. 1,872,782; Aug. 23.
Messier, Elie. (See Gendreau, J. A., and Messier.)
Messier, George L. R. J., Montrouge, France. Pneumatic suspension for airplanes. Re18,696; Dec. 20.
Messier, George L. R. J., Montrouge, France. Landing carriage for high speed airplanes. 1,847,491; Mar. 1.
Messier, George L. R. J., Montrouge, France. Device for braking airplanes upon landing. 1,850,724; Mar. 22.
Messier, George L. R. J., Montrouge, France. Elastic shock absorbing apparatus. 1,855,064; Apr. 19.
Messier, George L. R. J., Montrouge, France. Framework for the wings of aeroplanes and for other objects. 1,891,681; Dec. 20.
Messier, George Louis Rene Jean, Montrouge, France. Suspension apparatus for aeroplanes and other vehicles. 1,886,712; Nov. 8.
Messier, Homer J., and J. K. Donaghy, New Bedford, Mass. Building. Des. 88,251; Nov. 8.
Messina, Eugene, et al. (See Dobbins, Timothy C., assignor.)
Messing, Hjalmar S., Milwaukee, Wis., assignor to S. Morgan Smith Company, York, Pa. Hydraulic turbine. 1,892,404; Dec. 27.
Messing, Joseph, Philadelphia, Pa. Needle. 1,848,900; Mar. 8.
Messing, Joseph, assignor to Bull Dog Electric Products Company, Detroit, Mich. Bending laminated sheets. 1,852,482; Aug. 16.
Messinger, George S., Tatamy, Pa. Distributor. 1,850,937; Mar. 22.
Messinger, George S., Tatamy, Pa. Centrifugal threshing machine. 1,887,817; Nov. 15.
Messinger, Lester H., jr., Bridgeport, Conn. Braking attachment for internal combustion engines. 1,843,238; Feb. 2.
Messinger, Lester H., jr., Bridgeport, Conn. Braking attachment for internal combustion engines. 1,890,790; Dec. 13.
Messinger, Lester H., jr., assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber tire tread cutting machine. 1,859,785; May 24.
Messinger, Lester H., jr., Bridgeport, and A. L. Riker, Fairfield, Conn. Attachment for internal combustion engines. 1,890,791; Dec. 13.
Messivin, Michael A., Chicago, Ill. Conveying apparatus. 1,879,103; Sept. 20.
Messler, Eugene L., Pittsburgh, Pa. Support for hot tops. 1,863,574; June 21.
Messman, Beatrice C., New York, N. Y. Brassière. 1,848,536; Mar. 8.
Messmer, Rudolphe, Montreal, Quebec, Canada. Microphone and loud speaker system for churches, public halls and the like. 1,850,305; Mar. 22.
Mesta Machine Company. (See Fisk, Gustaf L., assignor.)
Mesta Machine Company. (See Iversen, Lorenz, assignor.)
Mesta Machine Company. (See Iversen L., and Noble, assignors.)
Mesta Machine Company. (See Wood, Frank J., assignor.)
Meston, Archibald F., East Bound Brook, and H. A. Wintermute, Plainfield, N. J., assignors to Research Corporation, New York, N. Y. Cleaning gases. 1,871,815; Aug. 16.
Mestre, Frank, New York, N. Y. Jeweler's eyeloupe holder. 1,878,594; Sept. 20.
Metalfilters (1929) Limited. (See Pickard, J. A., Rogers, and Mitchell, assignors.)
Metalcraft Corporation, The. (See Lyons, G. E., and Anderson, assignors.)
Metalfolds, Inc. (See Deacon, W. T., and Perkins, assignors.)
Metal Hose & Tubing Co. (See Wallace, Archibald L., assignor.)
Metallgesellschaft Aktiengesellschaft. (See Pacz, Aladar, assignor.)
Metallic Gripper Company, The. (See Chesler, Chaim, assignor.)
Metallo Gasket Company. (See Geipel, Stanley S., assignor.)
Metal Office Furniture Company. (See Bullock, Earle C.)
Metal Package Corporation. (See Buschman, Sol L., assignor.)
Metal Package Corporation. (See Hopkins, Arthur G., assignor.)
Metal Package Corporation. (See Humphrey, Clen S., assignor.)
Metal Products Company. (See Cocks, Harry J., assignor.)
Metals Disintegrating Company. (See Hall, Everett J., assignor.)
Metal Specialties Manufacturing Company. (See Hermann, Wolfgang, assignor.)
Metals Production of North America Incorporated. (See Taplin, Thomas J., assignor.)
Metals Protection Corporation. (See Humphries, Chad H., assignor.)
Metal Stampings Corporation. (See Gillooly, W., and Chubbuck, assignors.)
Metal Textile Corporation et al. (See Bradford, Edward S., jr., assignor.)
Metal Textile Corporation. (See Hartwell, Ralf L., assignor.)
Metal Textile Corporation. (See Kingman, Russell B., assignor.)

Metal Textile Corporation. (See Mayer, Daniel J., assignor.)
Metal & Thermit Corporation. (See Hosenfeld, Martin, assignor.)
Metal & Thermit Corporation. (See Lubowsky, Simon J., assignor.)
Metal Traffic Marker Corporation. (See Foster, Robert, assignor.)
Metal Ware Corporation, The. (See Marvin, Walter S.)
Metcalf, Alpha H., assignor to The Baer & Wilde Company, Attleboro, Mass. Cuff button. Des. 86,888; May 2.
Metcalf, Alpha H., assignor to The Baer & Wilde Company, Attleboro, Mass. Cuff button. 1,875,090; Aug. 30.
Metcalf, Edgar E., Moville, Iowa, assignor to Deere & Company, Moline, Ill. Harvester. 1,877,931; Sept. 20.
Metcalf, George R., Jr., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,886,413; Nov. 8.
Metcalf, Herbert E., Oakland, Calif., assignor, by mesne assignments, to Wonderlite Neon Products Co. Ltd. Electrode for luminous tubes. 1,852,020; Apr. 5.
Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Signal reproducer. 1,881,324; Oct. 4.
Metcalf, Irving R., St. Charles, Ill., assignor to Latham Machinery Company. Stapling machine. 1,845,617; Feb. 16.
Metcalf, Irving R., Glen Ellyn, and R. L. Pelland, Chicago, Ill., assignors to Latham Machinery Company. The stitching machine. 1,856,420; May 3.
Metcalf, John J., assignor to Magic Way Gas Heating Appliances, Inc., National City, Calif. Valve control. 1,856,830; May 3.
Metcalf, John S., Company. (See Blanchard, Frederick W., assignor.)
Metcalfe, Earl, Chicago, Ill. Advertising device. 1,847,016; Feb. 23.
Metcalfe, James C. (See Metcalfe, Richard D. and J. C.)
Metcalfe, Richard D. and J. C., Romiley, England. Steam injector. 1,878,793; Sept. 20.
Metelski, Claude M., Detroit, Mich., assignor to Spaulding Fibre Company, Incorporated, North Rochester, N. H. Multiterminal electrical socket. 1,877,419; Sept. 13.
Meter Parts Company, The. (See Waddell, Homer J., assignor.)
Meth, Max, Pittsburgh, assignor to Firth Sterling Steel Company, McKeesport, Pa. Making refractory articles. 1,862,191; June 7.
Methudy, Eugene B. (See Murphy, M. F., and Methudy.)
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Device for damping the recoil of the barrel in guns of calibers. 1,841,969; Jan. 19.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Electrical distant control apparatus for the fire control of ordnance and for other purposes. 1,843,881; Feb. 2.
Methlin, Nicholas E., assignor to Schneider & Cie., Paris, France. Antiaircraft gun. 1,879,705; Sept. 27.
Methudy Automatic Lighter Company. (See Methudy, Eugene R., assignor.)
Methudy, Eugene R., Clayton, Mo., assignor, by mesne assignments, to Methudy Automatic Lighter Company, East St. Louis, Ill. Gas range. 1,869,764; Aug. 2.
Metlox Corporation, Ltd. (See Prouty, Theodore C., assignor.)
Metlox Corporation, Ltd. (See Prouty, Willis O., assignor.)
Metlox Corporation, Ltd. (See Wilson, William B., assignor.)
Met-L-Wood Corporation. (See Lewis, George K., assignor.)
Metro Chocolate Co. Inc., The. (See Kobak, Feibus, assignor.)
Metro-Goldwyn-Mayer Corporation. (See Arnold, John C. assignor,)
Metro-Goldwyn-Mayer Corporation. (See Ceccarini, Olindo O., assignor.)
Metro-Goldwyn-Mayer Corporation. (See Mammes, Raymond J., assignor.)
Metro-Goldwyn-Mayer Corporation. (See Shearer, D. G., and Ceccarini, assignors.)
Metro-Goldwyn-Mayer Corporation. (See Wise, Anthony G., assignor.)
Metro-Goldwyn-Mayer Corporation. (See Wise, A. G., and Arnold, assignors.)
Metro Light Corporation. (See Hartman, Hans, assignor.)
Metropolitan Device Corporation. (See Deake, George C., assignor.)
Metropolitan Device Corporation. (See Fryer, Roy C., assignor.)
Metropolitan Device Corporation. (See Hoffer, LeRoy H.)
Metropolitan Device Corporation. (See Jessup, George K., assignor.)
Metropolitan Device Corporation. (See Murray, John F., assignor.)
Metropolitan Device Corporation. (See Murray, Joseph B., assignor.)
Metropolitan Device Corporation. (See Murray, Thomas E., assignor.)
Metropolitan Device Corporation. (See Murray, Thomas E., Jr., assignor.)
Metropolitan Device Corporation. (See Murray, T. E., and Baker, assignors.)
Metropolitan Device Corporation. (See Rypinski, Albert B., assignor.)
Metropolitan Electric Mfg. Co. (See Wesley, J. J., and Newton, assignors.)
Metropolitan Engineering Company. (See Grady, Charles B., assignor.)
Metropolitan Engineering Company. (See Hoffer, Le Roy H., assignor.)
Metropolitan Engineering Company. (See Holmes, Henry S., assignor.)
Metropolitan Engineering Company. (See Kuhn, Alfred R., assignor.)
Metropolitan Engineering Company. (See Murray, Thomas E.)
Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)
Metropolitan Engineering Company. (See Murray, Thomas E., jr., assignor.)
Metropolitan Engineering Company. (See Phelps, George H., assignor.)
Metropolitan Engineering Corporation. (See Williams, Herbert H., assignor.)
Metropolitan Importing & Mfg. Co. (See Selikowitz, Adolph, assignor.)
Metropolitan Paving Brick Company, The. (See Barbour, James G., assignor.)
Metropolitan Paving Brick Company, The. (See De Joy, Nick, assignor.)
Metropolitan Paving Brick Company. (See Kanengeiser, Fred R., assignor.)
Metropolitan Sewing Machine Corporation. (See Wels, John P., assignor.)
Mettler, Carl. (See Hagenbach, E., Mettler, and Waner.)
Mettler, Josef, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Timing and controlling electrical circuits. 1,882,333; Oct. 11.
Metz, H. A., Laboratories, Inc. (See Freedman, L., and Sherndal, assignors.)
Metz, H. A., Laboratories Inc. (See Pitkin, G. P., and Hooper, assignors.)
Metz, Henry R., assignor to Williams Tool Corporation, Erie, Pa. Chamfering tool and holder. 1,857,208; May 10.
Metz, John, Hollis, assignor to The Nestle-LeMur Company, New York, N. Y. Head protector for hair waving. 1,861,972; June 7.
Metz, Joseph, Detroit, Mich. Observation and speaking device. 1,852,253; Apr. 5.
Metz, Ora F., El Paso, Tex., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Air conditioner. 1,855,722; Apr. 26.
Metze, Oscar J. G., Columbus, Ohio. Radio log. 1,845,550; Feb. 16.
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Heat exchanger. 1,868,639; July 26.
Metzger, Albert F. (See Metzger, Ferdinand F.)
Metzger, Claude W., Los Angeles, Calif., assignor to Haynes Stellite Company. Rotary drill. 1,859,978; May 24.
Metzger, Claude W., Houston, Tex., assignor to Haynes Stellite Company. Cutter for rotary drills. 1,860,587; May 31.
Metzger, Claude W., Houston, Tex., assignor to Haynes Stellite Company. Well drilling tool. 1,886,570; Nov. 8.
Metzger, Ferdinand F., deceased; A. F. Metzger, administrator, assignor to Ferdinand F. Metzger and Son, Philadelphia, Pa. Extensometer. 1,884,073; Oct. 25.
Metzger, Ferdinand and Son. (See Metzger, Ferdinand F.)
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Treating metals. 1,851,861; Mar. 29.
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Generation and application of ammonia and composition therefor. 1,862,696; June 14.
Metzger, Henry L., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Carton. 1,850,329; Mar. 22.
Metzger, Joseph A., Buffalo, N. Y. Toy gun. 1,892,405; Dec. 27.
Metzger, Raymond T. (See Potter, P. D., and Metzger.)
Metzger, William F. (See Swoboda, H. O., and Metzger.)
Metzler, George H. (See Marryatt, A. D. B., and Metzler.)
Metzler, Robert J., Newark, N. J. Massage device. 1,892,068; Dec. 27.
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Metzner, Bruno C., New York, N. Y. Astronomical star-dome. Des. 88,727; Dec. 20.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical appliance plug connecter. Des. 87,399; July 19.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,846,430; Feb. 23.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,854,211; Apr. 19.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Strain relieving device for electrical conductor cords. 1,882,856; Oct. 18.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,882,857; Oct. 18.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,889,259; Nov. 29.
Meulenberg, Martin. (See Grypma, T. J., and Meulenberg.)

Meunier, Armand, Lafleche, Saskatchewan, Canada. Earth boring apparatus. 1,844,778; Feb. 9.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Transmission apparatus. 1,864,844; June 28.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Handle for portable tools. 1,868,712; July 26.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Attachment for driving spindles. 1,871,622; Aug. 16.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Packing for fluid pressure motors. 1,871,603; Aug. 16.
Meurer, Nicholaus, Cleveland, Ohio. Dental impression device. 1,891,649; Dec. 20.
Meurk, Ernest E., Upper Montclair, and W. M. Kennedy, jr., Lyndhurst, N. J. Apparatus for separating air from water. 1,849,196; Mar. 15.
Meuser, Ludwig. (See Sidwell, S. M., and Meuser.)
Meuttman, William R. (See Kirk, S. W., Blum, and Meuttman.)
Mevi, George G., New York, N. Y. Loose leaf binder. 1,840,910; Jan. 12.
Mewmaw, Freddie B., assignor of one-half to P. M. Marr, Milan, Mo. Rake. 1,876,148; Sept. 6.
Meyer, Adolf, Kusnacht, Haus zur Haab, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Casing for machines subject to high pressure. 1,846,565; Feb. 23.
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Cooling exhaust gas turbo-blowers for diesel engines. 1,853,133; Apr. 12.
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary compressor impeller. 1,873,974; Aug. 30.
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri and Cie, Baden, Switzerland. Device for fixing disks to a shaft. 1,886,419; Nov. 8.
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Roller bearing for hot shafts. 1,886,966; Nov. 8.
Meyer, Albert C., Diego, Calif. Calculator. 1,885,617; Nov. 1.
Meyer, Andre J. (See Frederick, W. A., and Meyer.)
Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve driving mechanism. 1,852,181; Apr. 5.
Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine and preparing fuel for combustion. 1,874,569; Aug. 30.
Meyer, Andre J., and L. L. Morrow, assignors to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,885,369; Nov. 1.
Meyer, Arthur, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,854,802; Apr. 19.
Meyer, Aubrey E., Paris, France. Textile fabric and forming it. 1,867,019; July 12.
Meyer, Aubrey E., Paris, France, assignor to Aubrey Meyer, Inc., Jersey City, N. J. Yarn detwisting and yarn treating system. 1,891,475; Dec. 20.
Meyer, Aubrey, Inc. (See Meyer, Aubrey E., assignor.)
Meyer, August. (See Bisseler, W., and Meyer.)
Meyer, August, Berlin-Schoeneberg, Germany. Car refarding apparatus. 1,859,102; May 17.
Meyer-Blanke Company. (See Meyer, Edwin R., assignor.)
Meyer, Charles, Milwaukee, Wis. Oiler. 1,877,007; Sept. 13.
Meyer, Charles A. (See Tienken, M. A., and Meyer.)
Meyer, Charles L., assignor to Concrete Engineering Company, Omaha, Nebr. Road strip. 1,850,408; Mar. 22.
Meyer, Charles R., and F. W. Cox, Morocco, Ind. Eccentrically hinged tractor wheel cleaner. 1,875,252; Aug. 30.
Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Centrifugal machine. 1,848,631; Mar. 8.
Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Variable speed drive mechanism. 1,873,067; Aug. 23.
Meyer, Clara M. (See Swanson, Albert J., assignor.)
Meyer, Daniel H., Elkville, assignor to American Manganese Steel Company, Chicago, Ill. Turtle back reenforcing casting for dipper doors. 1,864,210; June 21.
Meyer, Dick C., and J. B. Olsen, Milwaukee, Wis. Drying rack. 1,859,594; May 24.
Meyer, Edna L. (See Perry, Ira D., assignor.)
Meyer, Edwin R., assignor to Meyer-Blanke Company, St. Louis, Mo. Freezing mold. 1,881,817; Oct. 11.
Meyer, Egon. (See Schmidt, O., and Meyer.)
Meyer, Egon. (See Schmidt, O., Niemann, and Meyer.)
Meyer, Egon. (See Schmidt, O., Seydel, and Meyer.)
Meyer, Emanuel, New York, N. Y. Birth-charm. Des. 87,075; May 31.
Meyer, Felix, Aachen, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Injection ampul. 1,860,898; May 31.
Meyer, Frank A., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,549; Feb. 16.
Meyer, Fred C., assignor, by mesne assignments, to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Reel. 1,867,322; July 12.
Meyer, Frederick H., assignor to Lorell Iron Works, Grand Rapids, Mich. Walkway. 1,842,621; Jan. 26.
Meyer, Friedrich, H. J. Spanner, Berlin, Germany, and E. Gerdmer, Stockholm, Sweden, assignors, by mesne assignments, to Electrons, Inc. Discharge tube. 1,843,645; Feb. 2.
Meyer, Friedrich, and H. J. Spanner, Berlin, Germany, assignors, by mesne assignments, to Edward H. Loftin, New York, N. Y. Amplifying system, method, and apparatus. 1,852,182; Apr. 5.
Meyer, Friedrich W., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Dynamo electric machine regulating system. 1,862,233; June 7.
Meyer, Friedrich W., Vienna, Austria. Chain saw structure for portable motor tree saws. 1,891,105; Dec. 13.
Meyer, Friedrich, Berlin-Halensee, Hans-Joachim Spanner, Berlin, Germany, and Edmund Gerner, Stockholm, Sweden, assignors, by mesne assignments, to Electrons, Inc. Electric lamp. 1,877,932; Sept. 20.
Meyer, Georg, Berlin-Charlottenburg, Germany. Accidents preventing coupling device. 1,860,391; May 31.
Meyer, Geo. J., Manufacturing Company. (See Dreher, Otto, assignor.)
Meyer, Geo. J., Manufacturing Company. (See Griffin, C. W., Schmid and Sinz, assignors.)
Meyer, Geo. J., Manufacturing Company. (See Griffin, C. W., and Sinz, assignors.)
Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)
Meyer, Geo. J., Manufacturing Company. (See Meyer, G. J. and G. L. N., assignors.)
Meyer, George J., Cudahy, Wis. Adjustable pulley. 1,881,028; Oct. 4.
Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Bottle corking machine. 1,870,373; Aug. 9.
Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Loading means for bottle cleaning machines. 1,873,845; Aug. 23.
Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Unloading means for bottle cleaning machines. 1,873,846; Aug. 23.
Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Filling machine. 1,852,225; Oct. 31.
Meyer, George J., Milwaukee, Wis., and G. L. N. Meyer, Jackson Heights, N. Y., assignors to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Bottle soaking and cleaning machine. 1,853,917; Apr. 12.
Meyer, George L. N. (See Meyer, George J. and G. L. N.)
Meyer, George L., Providence, R. I., assignor to Providence Stock Company. Self-closing extension device. 1,846,688; Feb. 23.
Meyer, Gerhard, Los Angeles, Calif. Packer for oil wells. 1,859,744; May 24.
Meyer, Hans, Hamborn, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Manufacture of steel. 1,843,456; Feb. 2.
Meyer, Hans, Kiel-Wellingdorf, assignor to Deutsche Gasgluhlicht-Auer-Gesellschaft m. b. H., Berlin, Germany. Pressure reducing valve. 1,890,821; Dec. 13.
Meyer, Harold W., Brooklyn, N. Y. Fishhook snelling machine. 1,869,857; Aug. 2.
Meyer, Harold W., Brooklyn, N. Y. Apparatus for snell hook manufacture. 1,869,858; Aug. 2.
Meyer, Harry, Dessau, and W. Eller, Berlin-Wilmersdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial textiles. 1,877,933; Sept. 20.
Meyer, Harvey B., assignor to Vulcan Manufacturing Company, Kansas City, M. Oil pump. 1,840,676; Jan. 12.
Meyer, Henry, Rhineland, Mo. Hog ring. 1,871,548; Aug. 16.
Meyer, Henry A., St. Paul, Minn. Aircraft control. 1,891,237; Dec. 20.
Meyer, Henry C. A., assignor to The Bartlett Hayward Company, Baltimore, Md. Waterless gas holder. 1,864,924; June 28.
Meyer, Henry C. A., Baltimore, Md., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. 1,858,879; May 22.
Meyer, Henry W., Brooklyn, N. Y. Hose rack and nozzle. 1,844,259; Feb. 9.
Meyer, Howard C., Aspinwall, Pa. Sign. 1,843,294; Feb. 2.
Meyer, Hugo C. (See Kirkpatrick, Russell W., assignor.)
Meyer, Irving G., Milwaukee, Wis. Reverse lock for driving gears. 1,861,427; June 21.
Meyer, J. Frank. (See Fleischer, Charles, assignor.)
Meyer, John B., assignor to The Adams Company, Dubuque, Iowa. Dome damper. 1,888,999; Nov. 29.
Meyer, John F. (See Gatter, Rudolph, assignor.)
Meyer, John F. (See Kindel, William N., assignor.)
Meyer, John F. (See Sallee, Louis H., assignor.)
Meyer, John F., Pasadena, Calif. Amusement machine cabinet. Des. 86,578; Mar. 22.
Meyer, John F., Pasadena, Calif. Amusement machine cabinet. Des. 86,579; Mar. 22.

Meyer, John F., Pasadena, Calif. Amusement machine cabinet. Des. 86,580; Mar. 22.

Meyer, John F., Pasadena, Calif. Amusement machine cabinet. Des. 86,889; May 3.

Meyer, John F., Pasadena, Calif. Amusement machine cabinet. Des. 87,934; Oct. 11.

Meyer, John F., Pasadena, Calif. Display frame. 1,867,323; July 12.

Meyer, Joseph, Jackson Heights, assignor to R. Hoe & Co., Inc., New York, N. Y. Gripper operating mechanism. 1,881,816; Oct. 11.

Meyer, Joseph A., Newark, N. J. Centrifugal setting out machine. 1,879,942; Sept. 27.

Meyer, Joseph H., Brothers. (See Meyer, Maximilian C., assignor.)

Meyer, Julia M. (See Butler, A. J., and Williams, assignor.)

Meyer, Karl, New York, N. Y. Combination ash tray and cigarette extinguisher. 1,887,696; Nov. 15.

Meyer, Kurt H., Mannheim, and H. Hopff, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of aromatic carboxylic acids. 1,866,717; July 12.

Meyer, Leo, Company, The. (See Davis, Maurice E., assignor.)

Meyer, Maximilian C., assignor to J. H. Meyer Brothers, Brooklyn, N. Y. Bracelet. 1,841,375; Jan. 19.

Meyer, Maximilian C., assignor to Joseph H. Meyer Brothers, Brooklyn, N. Y. Method of coating and machine. 1,850,409; Mar. 22.

Meyer Mineral Separation Company. (See Meyer, Ralph F., assignor.)

Meyer, Minnie, assignor to Golo Slipper Company, Inc., New York, N. Y. Sandal. Des. 87,016; May 24.

Meyer, Minnie, assignor to Golo Slipper Company, Inc., New York, N. Y. Sandal. 1,864,254; June 21.

Meyer, Minnie, and A. Heilbrunn, assignors to Golo Slipper Company, Inc., New York, N. Y. Sandal. 87,274; June 28.

Meyer, Nicholas, Tonawanda, N. Y. Pencil. 1,891,682; Dec. 20.

Meyer, Oliver, Preston, Iowa. Honey uncapping machine. 1,884,074; Oct. 25.

Meyer, Otto. (See Borcholt, A., and Meyer.)

Meyer, Peter, Newark, N. J., assignor to Westinghouse Lamp Company. Article ejector mechanism. 1,871,381; Aug. 9.

Meyer, Peter, Newark, N. J., assignor to Westinghouse Lamp Company. Pin detector for base feeding mechanism. 1,871,382; Aug. 9.

Meyer, Pius, New York, N. Y. Price card supporting bracket. 1,848,262; Mar. 8.

Meyer, Pierre H., New York, N. Y. Display apparatus. 1,853,216; April 12.

Meyer, Ralph F., Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Metallurgical process. 1,870,803; Aug. 9.

Meyer, Ralph J., Denver, Colo. Internal combustion rotary engine. 1,877,250; Sept. 13.

Meyer, Ralph J., Denver, Colo. Apparatus for mining. 1,877,907; Sept. 27.

Meyer, Raymond B., Washington, D. C. Temperature and circuit control system for high frequency signaling systems. 1,864,797; Oct. 25.

Meyer, Raymond B., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Electron tube transmitter. 1,875,091; Aug. 30.

Meyer, Samuel J., New York, N. Y. Shoe. Des. 86,091; Jan. 26.

Meyer & Studell S. A. (See Morf, Ernest, assignor.)

Meyer, W. H., & Son, Inc. (See Torrence, Walter S., assignor.)

Meyer, Walter, Mt. Vernon, and R. M. Duenewald, Bronxville, N. Y. Lock. 1,845,516; Feb. 9.

Meyer, William, Chicago, Ill. Impeller. 1,872,483; Aug. 16.

Meyer, William H., and W. A. Jefsen, Newark, N. J. Box labeling and edging. 1,863,023; June 14.

Meyer, William H., and W. A. Jefsen, Newark, N. J. Box labeling and edging. 1,863,024; June 14.

Meyer, William H., Paoli, Pa., and C. Travilla, jr., Philadelphia, Pa., and E. C. Jackson, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway car truck. 1,884,801; Oct. 25.

Meyercord Company, The. (See Johnson, Alvin O., assignor.)

Meyercord, G. R. (See Basquin, Olin H., assignor.)

Meyercord, G. R. (See Harazin, Charles, assignor.)

Meyercord, George R., and O. H. Basquin, Chicago, Ill.; said Basquin assignor to said Meyercord. Cotton picker unit. 1,854,413; Apr. 19.

Meyercord, George R., and O. H. Basquin, Chicago, Ill., assignors to Haskelite Manufacturing Corporation. Shipping container or freight car body section. 1,857,653; May 10.

Meyercord, George R., and O. H. Basquin, Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Shipping container. 1,892,406; Dec. 27.

Meyerhans, August, Baden, Switzerland. Transformer. 1,873,975; Aug. 30.

Meyerhans, August, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri and Cie, Baden, Switzerland. High tension transformer. 1,862,798; June 14.

Meyerink, Henry, Clymer, N. Y. Scale balance corrector. 1,873,657; Aug. 23.

Meyers, Alfred M., Kansas City, Kans. Building construction. 1,850,118; Mar. 22.

Meyers, Christian, Albany, Calif. Smoker's attachment for floor lamps. 1,854,478; Apr. 19.

Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Treatment of calcined phosphates. 1,846,347; Feb. 23.

Meyers, Joseph M., Pittsburgh, Pa. Leaf mounting device. 1,868,332; July 19.

Meyers, Sidney E., assignor of one-half to E. H. Merritt, Lockport, N. Y. Consistency responsive device. 1,884,075; Oct. 25.

Meyers, Walter E., Baltimore, Md., assignor to American Can Company, New York, N. Y. Mechanism and method for making cans. 1,867,857; July 19.

Meyerson, Louis B. (See Kaplan, L. J., and Meyerson.)

Meyrowitz, E. B., Incorporated. (See Meyrowitz, Emil B., assignor.)

Meyrowitz, Emil B., assignor to E. B. Meyrowitz, Incorporated, New York, N. Y. Sight trial frame. 1,842,458; Jan. 26.

Meyrowitz, Emil B., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Goggles. 1,853,872; Apr. 12.

Meyrowitz, Emil B., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Goggles. 1,853,873; Apr. 12.

Mezquita, Agustin T., Valencia, Spain. Bottle. Des. 88,428; Nov. 29.

Mezzapesa, Stephen, New York, N. Y. Coffee making machine. 1,882,226; Oct. 11.

"Mieg" Muhlenbau und Industrie Aktiengesellschaft, (See Bergen, G., Engelhardt, and Steckhan, assignors.)

Miami Cabinet Company, The. (See Miller, Harley H., assignor.)

Mica Insulator Company. (See Coffey, Joseph M., assignor.)

Mica Insulator Company. (See Coffey, J. M., France, and Pickney, assignors.)

Micek, Richard, Los Angeles, Calif. Braking device for aircraft. 1,840,592; Jan. 12.

Michael, Adolf, Heidelberg, nee Ellenburg, assignor to Dermatoid-Werke Paul Meissner, Aktien-Gesellschaft, Leipsig, Germany. Ornamentation of celluloid. 1,883,854; Oct. 18.

Michael, Charles F. (See Hedeen, Elmer, assignor.)

Michael, Edward, et al. (See Fuller, G. P., and Daviss, assignors.)

Michael, Gus F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,092; Aug. 30.

Michael, Loren F., Brainerd, Ill., assignor to The Superheater Company, New York, N. Y. Steam separator. 1,881,215; Oct. 4.

Michael, Pierre L., Houston, Tex. Signboard frame. 1,875,093; Aug. 30.

Michael, Walter J., Bucyrus, Ohio. Burial vault. Des. 87,268; Aug. 16.

Michael, Walter J., Bucyrus, Ohio. Burial vault. Des. 87,589; Aug. 16.

Michael, Wilhelm, Oppau, and W. Goez, Oggersheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of hydrocyanic acid. 1,846,221; Feb. 23.

Michaels, Frank L., Covington, Ky. Window sash apparatus. 1,841,838; Jan. 19.

Michaels, Sidney. (See Clancy, Frank, assignor.)

Michaelsen, William H., et al. (See Mikkelsen, Michael C., assignor.)

Michailovsky, Nicholas M., assignor to Sharit Chemical Co., Inc., New York, N. Y. Filter. 1,845,316; Feb. 16.

Michalk, Otto. (See Buttner, Max, assignor.)

Michalka, William J., Cameron, Tex. Stalk cutter. 1,857,818; Nov. 15.

Michalski, Martin, North Chicago, Ill. Lawn mower sharpening device. 1,843,830; Feb. 2.

Michalski, Walter, Brooklyn, N. Y. Toy whistle. 1,852,934; Apr. 5.

Michaud, Gustave N. and E. L. Ogilvie, St. Paul, Minn.; said Michaud assignor to said Ogilvie. Bill clip. 1,851,013; Mar. 29.

Michaux, William W., jr., Michaux, Va. Method and apparatus for preparing leaf tobacco. 1,862,192; June 7.

Michel, Benjamin A., New Orleans, La. Refrigerator. 1,887,419; Nov. 8.

Michel, Clarence A., Cleveland, Ohio, assignor to Guide Lamp Corporation, Anderson, Ind. Headlamp construction. 1,859,673; May 24.

Michel, Clarence A., Cleveland, Ohio, assignor to Guide Lamp Corporation, Anderson, Ind. Socket retainer. 1,859,674; May 24.

Michel, Clarence A., Lakewood, Ohio, assignor to Guide Lamp Corporation, Anderson, Ind. Lamp door clamp arrangement. 1,884,076; Oct. 25.

Michel, Gaytan. (See Berthet, Jean L., and Michel, assignors.)

Michel, Gilbert, Bagneux, France. Making pistons. 1,854,271; Apr. 19.

Michel, Gilbert, Bagneaux, assignor to Societe "Le Magnesium Industriel," Paris, France. Preparing molding sands for easily oxidizable metals such as magnesium. 1,849,767; Mar. 15.

Michel, John, Conshohocken, assignor to The Dallett Company, Philadelphia, Pa. Locking device for pneumatic tools. 1,862,859; June 14.

Michel, Josef M. (See Müller, W., and Michel.)
Michel, Josef M., Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying oils. 1,841,754; Jan. 19.
Michel, Maksik & Feldman. (See Maksik, Samuel, assignor.)
Michel, Maksik & Feldman, Inc. (See Maksik, Samuel, assignor.)
Michel, Max, assignor to Porzellanfabrik Kahla Zweigniederlassung Freiberg, Freiberg, Germany. Apparatus for pressing articles from ceramic materials. 1,875,175; Aug. 30.
Michel, René, Argenteuil, France. Rolling mill. 1,865,941; July 5.
Michel, Richard. (See Lehmann, R., and Michel.)
Michel, Richard, Uerdingen, Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Insulating oil. 1,878,509; Sept. 20.
Michel, Richard, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of condensation products. 1,878,963; Sept. 20.
Micheli, Leo, et al. (See Micheli, Ulissi A., assignor.)
Micheli, Ulissi A., assignor of one-fourth to T. Westfall Los Angeles, Calif., thirty per cent to L. Michelli, Las Vegas, Nev., and ten per cent to P. Vujovich, San Diego, Calif. Butter slicing and dispensing machine. 1,848,642; Mar. 8.
Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Pneumatic tire valve. 1,865,380; July 5.
Michelin, André J., Paris, assignor to Michelin Et Cie., Clermont-Ferrand, France. Railway vehicle. 1,868,424; July 19.
Michelin André J., Paris, assignor to Michelin & Cie., Clermont-Ferrand, France. Securing removable wheels to a hub. 1,889,837; Dec. 6.
Michelin, André J., Paris, assignor to Michelin et Cie. Clermont-Ferrand, France. Vehicle wheel. 1,890,546; Dec. 13.
Michelin, André Jules, deceased, Paris, by M. J. Michelin, executor, assignor to Michelin et Cie., Clermont-Ferrand, France. Tire for railway vehicles. Re18,638; Oct. 25.
Michelin et Cie. (See Bourdon, Pierre M., assignor.)
Michelin et Cie. (See Michelin, André J., assignor.)
Michelin, M. J. J. (See Michelin, André J., Jr.)
Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Attaching covers to jars. 1,848,189; Mar. 8.
Michell, Anthony G. M., Melbourne, Australia. Journal bearing. 1,880,353; Oct. 4.
Michell, Anthony G. M., Melbourne, Australia. Packing. 1,891,436; Dec. 20.
Michell, Anthony G. M., Melbourne, Victoria, Australia, assignor, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Air cooling means for internal combustion engines. Re18,558; Aug. 9.
Michell-Crankless Engines Corporation. (See Hall, Edwin S., assignor.)
Michell-Crankless Engines Corporation. (See Michell, Anthony G. M.)
Michell, Roy G. (See Dixn, Ramon V., assignor.)
Michelman, Nathan, Brooklyn, N. Y. Pipe joint. 1,840,048; Jan. 5.
Michels, Karl, Muscatine, Iowa. Respirator. 1,842,994; Jan. 26.
Michels, Mario, Strasbourg, France. Manufacture of ash free solid fuel. 1,839,987; Jan. 5.
Michelsen, William O., Woodhaven, assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding attachment. 1,891,567; Dec. 20.
Michelson, Albert S., Akron, Ohio, assignor, by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Tire. Des. 87,724; Sept. 6.
Michelson, Louis S., Los Angeles, Calif. Trunks of a bathing suit. Des. 87,725; Sept. 6.
Michelson, Thor J., Venice, Calif. Sign. 1,874,202; Aug. 30.
Michelsson, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Photoelectric relay. 1,870,017; Aug. 2.
Michevic, Ruby B., Detroit, Mich. Signal post. 1,866,982; July 12.
Michigan Aero-Engine Corporation. (See Morehouse, Harold E., assignor.)
Michigan Steel Casting Company. (See Flintermann, Edgar D., assignor.)
Michigan Steel Corporation. (See Pitts, Frederick W., assignor.)
Michigan Steel Corporation. (See Steele, John H., assignor.)
Michigan Tool Company. (See Killmer, Austin J., assignor.)
Michigan Wire Goods Company. (See Murray, Norris F., assignor.)
Michl, Rudolf, Bridgeport, Conn. Valve. 1,841,042; Jan. 12.
Michlun, Andrew F., North Andover, Mass. Combined air compressor and gas engine. 1,884,077; Oct. 25.
Mickelson, John, Lincoln, Nebr. Automatic oil dispenser. 1,846,135; Feb. 23.
Mickey, Bruce D., Schenectady, N. Y., assignor to General Electric Company. Parallel operation of direct current motors. 1,877,681; Sept. 13.
Micro Machine Company. (See York, H. H., and Baumberger, assignors.)
Micro Machine Company. (See York, H. H., and Kottman, assignors.)
Micromatic Hone Corporation. (See Jeschke, Frank J., assignor.)
Micromatic Hone Corporation. (See Quigley, Thomas F., assignor.)
Middelboe, Kristian, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Bag filling machine. 1,851,017; Mar. 29.
Middendorf, David L. (See Cornwell, V. O., Middendorf, and Moeller.)
Middendorf, Karl H., Kansas City, Mo. Golf tee. 1,850,560; Mar. 22.
Middlehurst, George S., Nampa, Idaho. Side bearing for railroad cars. 1,868,595; July 19.
Middleton, Charles W. (See Harder, F., Watson, and Middleton.)
Middleton, Edmund B. (See Rocker, G., and Middleton, assignors.)
Middleton, Isabelle H., et al., executors. (See Hoxie, William D.)
Middleton, Leslie H., assignor to Schwarze Electric Company, Adrian, Mich. Starter and re-starter for engines. 1,875,102; Aug. 30.
Middleton, Leslie H., assignor to Schwarze Electric Company, Adrian, Mich. Signaling. 1,888,684; Nov. 22.
Middleton, Thomas F., East St. Louis, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Meat basher. 1,889,688; Nov. 29.
Midgley, Herbert, Worcester, Mass. Mat. 1,841,837; Jan. 19.
Midgley, Herbert, deceased, Worcester, Mass.; Worcester Bank & Trust Company, executor. Hand card. 1,889,305; Nov. 29.
Midlam, Claude J., Duluth, Minn. Making ice cream dippers. 1,852,254; Apr. 5.
Midland Company, The. (See Schwartz, F. G., and Nourse, assignors.)
Midland Steel Products Company, The. (See Sneed, John, assignor.)
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Mid West Chandelier Company, The. (See Lamberth, Ray L. assignor.)
Mid-West Chemical Company. (See Hessle, Eric T., assignor.)
Midwest-Fulton Machine Company. (See Phenice, William V., assignor.)
Mid-West Steel Products Corporation, The. (See King, Morgan L., assignor.)
Mieg, Walter. (See Buchloh, H., Mieg, and Stoetzer.)
Mieg, Walter, Opladen, near Cologne, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing an anthraquinone dye. 1,867,858; July 19.
Mieg, Walter, Opladen, and R. Berliner, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. Vat dyestuffs of the anthraquinone-acridone-series. 1,860,472; May 31.
Mieg, Walter, Opladen near Cologne, and R. M. Heidenreich, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water soluble leuco esters of vat dyestuffs. 1,878,964; Sept. 20.
Mieg, Walter, Opladen, and R. Berliner, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the anthraquinone acridone series. 1,878,965; Sept. 20.
Mieg, Walter, Opladen, and K. Bamberger, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Wool dyestuff of the dianthraquinonylamine series. 1,878,966; Sept. 20.
Miehling, Rudolph. (See Ellis, J., Godoy, and Miebling.)
Miersch, Heinrich, assignor to Messrs. G. E. Reinhardt, Leipzig, Germany. Sheet delivering and piling apparatus for printing, rolling, cutting machines and the like. 1,891,286; Dec. 20.
Mieres, José, Buenos Aires, Argentina. Garter. 1,882,250; Oct. 11.
Mieres, José, Buenos Aires, Argentina. Garter. 1,886,208; Nov. 1.
Mierits, Johannes. Berlin, Germany. Cutting device. 1,887,164; Nov. 8.
Mies, Frank P., Chicago, Ill. Rubber heel attaching means. 1,839,245; Jan. 5.
Miescher, Karl, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of 4-quinolinecarboxylic acids. 1,841,970; Jan. 19.
Miescher, Karl, and E. Urech, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Basic ethers of the pyridine series. 1,881,236; Oct. 4.
Miesse, Richard E., assignor, by mesne assignments, to Q. R. S. Neon, Inc., Chicago, Ill. Positive column conduction tube. 1,839,408; Jan. 5.
Miessler, Paul W., Cleveland, Ohio, assignor to Container Corporation of America, Chicago, Ill. Container. 1,840,677; Jan. 12.

Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier energizing system. 1,842,558; Jan. 26.

Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving system. 1,842,977; Jan. 26.

Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical filter system. 1,852,125; Apr. 5.

Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical filter system. 1,853,217; Apr. 12.

Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier system. 1,854,854; Apr. 19.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Short Hills, N. J. Electron tube. 1,859,454; May 24.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Short Hills, N. J. Electron tube. 1,859,522; May 24.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Short Hills, N. J. Electron tube. 1,890,911; Dec. 13.

Miessner Inventions, Inc. (See Jacobs, Charles T., assignor.)

Miessner Inventions Inc. (See Miessner, Benjamin F., assignor.)

Miessner, William O., Deerfield, Ill. Method and apparatus for sounding selective rhythms and beats. 1,887,857; Nov. 15.

Mietke, Walter, Berlin, Germany. Lamp shade. 1,875,094; Aug. 30.

Mietzsch, Fritz. (See Berendes, R., and Mietzsch.)

Mietzsch, Fritz. (See Schulemann, W., Mietzsch, and Wingler.)

Mietzsch, Fritz, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Addition compound of quinolines and barbituric acids and producing same. 1,879,389; Sept. 27.

Mietzsch, Fritz, and H. Klöß, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Substituted amino-phenyl-arsonic acids. 1,892,945; Dec. 27.

Mignery, Herbert C., Elgin, Nebr. Land leveling machine. 1,884,078; Oct. 25.

Miguet, Paul J., assignor to Société Electro Metallurgique de Montricher, St. Julien-de-Maurienne, France. Electric furnace electrode. 1,859,979; May 24.

Miguet, Paul J., and M. P. Perron, St. Julien De Maurienne, France. Electric furnace. 1,858,455; May 17.

Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Coin controlled apparatus. 1,889,212; Nov. 29.

Mihalek, Joseph S. (See Hanson, K. B., and Mihalek.)

Mihallak, Edward G., Brookfield, Ill. Automobile heater. 1,870,374; Aug. 9.

Mihalka, Arthur and A. Wiese, New York, N. Y., assignors of one-half to Armand E. Lackenbach. Advertising change-receiving tray. 1,875,931; Sept. 6.

Mihalyi, Frank, assignor to Benjamin Air Rifle Company, St. Louis, Mo. Air rifle. 1,862,697; June 14.

Mihalyi, Frank, University City, assignor to Benjamin Air Rifle Company, St. Louis, Mo. Air rifle. 1,862,698; June 14.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. View finder for cameras. 1,849,308; Mar. 15.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for focusing lenses. 1,865,718; July 12.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Optical system for projection of color pictures. 1,878,967; Sept. 20.

Miilu, Raymond M. (See Nord, S. W., and Miilu.)

Mikaelson, Erik W., Easton, Pa. Threading machine. 1,857,111; May 10.

Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Cooling bed. 1,845,926; Feb. 16.

Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Threading machine. 1,851,367; Mar. 29.

Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Rolling mill. 1,854,597; Apr. 19.

Mikalsen, Randolf A., Brooklyn, N. Y. Clean-out for pipes. 1,887,321; Nov. 8.

Miki, Nobuya, Tennoji-Ku, Osaka-Shi, Japan. Rotary pump. 1,858,708; June 7.

Mikimoto, Kokichi, Ginza, Kyobashi-Ku, Tokyo-Shi, Japan. Production of perfectly spherical culture pearls. Re18,700; Dec. 20.

Mikimoto, Kokichi, Kyobashi-ken, Tokyo-Shi, Japan. Production of perfectly spherical culture pearls. 1,847,128; Mar. 1.

Mikkelsen, Carl G., Hilliard, Fla. Poultry feeder. 1,857,858; May 10.

Mikkelsen, Michael C., Oceanside, assignor of one-fourth to himself, one-fourth to L. S. Williams, Bellaire, one-fourth to T. E. Mikkelsen, Oceanside, and one-fourth to W. H. Michaelsen, Rockville Center, N. Y. Pliers for universal use. 1,851,126; Mar. 29.

Mikkelsen, Thorvald E., et al. (See Mikkelsen, Michael C., assignor.)

Mikkelson, Harold. (See Hultgren, E., and Mikkelson.)

Mikuiasek, John, assignor to The Maytag Company, Newton, Iowa. Churn attachment for washing machines. 1,849,631; Mar. 15.

Milam, Webster S., Glendale, assignor of one-half to A. M. Spinks, Los Angeles, Calif. Reload cigarette package. 1,850,410; Mar. 22.

Milan Brake Company, Limited, of Nevada. (See Milan, Joseph M., assignor.)

Milan, Joseph, Los Angeles, Calif. Brake. 1,849,584; Mar. 15.

Milan, Joseph M., Indianapolis, Ind., assignor to Milan Brake Company, Limited, of Nevada. Brake. 1,870,095; Aug. 30.

Milar, Adolf. (See Burdick, Thomas, assignor.)

Milar, Karl A., Chicago, and D. L. Clinch, Hubbard Woods, assignors, by mesne assignments, of one-half to D. L. Clinch, Hubbard Woods, and one-half to K. A. Milar, Chicago, Ill. Spraying apparatus. 1,869,975; Aug. 2.

Milbrath, Alfred E., assignor to Mathews Conveyer Company, Ellwood City, Pa. Feeding and spacing mechanism. 1,877,934; Sept. 20.

Milburn, Lessiter C., assignor to The Glen L. Martin Company, Cleveland, Ohio. Airplane wing structure. 1,852,622; Apr. 5.

Milburn, Richard P., Newark, N. J., assignor to Standard Oil Development Company. Tube and bulb device. 1,870,780; Aug. 9.

Milcare Co. (See Jacobi, Daniel A., assignor.)

Milcor Steel Company. (See Siebelt, Louis, assignor.)

Milcor Steel Company. (See Siebenlist, Anthony G., assignor.)

Mildner, Hans, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparing quinizarine sulphonic acids. 1,879,390; Sept. 27.

Mildon, Reginald B., Lansdowne, Pa., assignor to Westinghouse Electric and Manufacturing Company. Underfeed stoker. 1,842,119; Jan. 19.

Mildren, Lory J., Ponca City, assignor to Hinderliter Tool Company, Tulsa, Okla. Casing and tubing support. 1,864,483; Apr. 26.

Milender, Harry P. (See Mellberg, Arthur W., assignor.)

Miles, Clarence F., Worcester, Mass. Coordinate harmonica player. 1,851,639; Mar. 29.

Miles, Donald H. (See Paxson, Willard M., assignor.)

Miles, Earl K., Canastota, N. Y. Trimmer or grass cutter. 1,849,682; Mar. 15.

Miles, Eustace H., London, and G. Reilly, Luton, England. Making a vegetable food. Re18,523; July 12.

Miles, Eustace H., London, and G. Reilly, Luton, England. Composition of vegetable food and making the same. Re18,542; July 26.

Miles, George W. (See Dreyfus, C., Miles, and Platt.)

Miles, George W., Boston, Mass., assignor to Celanese Corporation of America. Preparing cellulose ethers. 1,841,335; Jan. 12.

Miles, George W., Boston, Mass., assignor to Celanese Corporation of America. Preparing cellulose ethers. 1,864,546; June 28.

Miles, George W., Boston, Mass., and C. Dreyfus, New York, N. Y., assignors to Celanese Corporation of America. Inorganic cellulose esters and manufacture thereof. 1,884,802; Oct. 25.

Miles, James C., Cleveland, Ohio. Heating and ventilating apparatus. 1,870,261; Aug. 9.

Miles, Jennings B., Johnson City, N. Y. Depilatory. 1,858,104; May 10.

Miles, Dr., Laboratories, Inc. (See Lobley, Fred A., assignor.)

Miles, Lester H., Los Angeles, Calif. Apparatus for refining petroleum. 1,878,875; Sept. 20.

Miles, R. E., jr. (See Carney, Arthur T., assignor.)

Miles, Thomas J., Louisville, Ky. Chair. 1,875,478; Sept. 6.

Miles, William C., New York, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Automatic elevator and gate control system. 1,887,493; Nov. 15.

Milestone, Walter E. (See Krastin, August, assignor.)

Milford Rivet and Machine Company, The. (See Corson, C. E., and Wright, assignors.)

Milette, Alphonse, and P. Dupuis, Montreal, Quebec, Canada. Antifreezing device for windows, windshields, and the like. 1,885,127; Nov. 1.

Milgrim, Sally, Woodmere, N. Y., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 87,789; Sept. 20.

Milgrim, Sally, Woodmere, N. Y., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 88,567; Dec. 6.

Milhon, Charles A., Garfield, Kans. Highway snowplow. 1,872,484; Aug. 16.

Milkey, Lester E., assignor to The Cellulo Company, Sandusky, Ohio. Machine and process for coating fabric or cloth with porous paper pulp. 1,854,414; Apr. 19.

Milkowski, Victor J., Baldwinsville, N. Y. Centrifugal pump. 1,891,267; Dec. 20.

Mill Engineering and Supply Company. (See Windquist, Victor H., assignor.)
Millan, Hilary, Jr., New York, N. Y. Commercial envelope. 1,886,348; Nov. 1.
Millar, John R., Oakland, Calif. Bag for cotton picking machines or the like. 1,862,384; June 7.
Millar, Wilford L. (See Newell, H. R., and Millar.)
Millar, William H. (See Slessor, W., and Millar.)
Millard, Irwin W., assignor to Industrial Gloves Corporation, Chicago, Ill. Armored foot and ankle protector. 1,865,702; July 5.
Millard, Lee P. (See Raney, C. R., and Millard.)
Millard, Oak Park, Ill. Interconvertible dining table and shelf cupboard. 1,889,901; Dec. 6.
Miller, Adolph H., Minneapolis, Minn. Clock with ringing mechanism. 1,862,406; May 3.
Miller, Albert D., Goshen, Ind. Insect destroyer. 1,886,039; Nov. 1.
Miller, Albert P., Sulphur Wells, Ky. Fly swatter. 1,860,939; May 31.
Miller, Alfred, Buffalo, N. Y., assignor to Tower Manufacturing Co., Inc. Purifying para-nitraniline. 1,848,137; Mar. 8.
Miller, Alfred J., jr., Newark, N. J. Vehicle window shade. 1,875,430; Sept. 6.
Miller, Alvin L. and R. H., Detroit, Mich. Gauge device. 1,891,185; Dec. 13.
Miller, Andrew E., assignor to Wabash Fibre Box Company, Terre Haute, Ind. Convertible shipping and feeding box. 1,855,555; Apr. 26.
Miller, Andrew H., Dearborn, and C. D. Bachelor, Detroit, Mich. Thermostatic damper regulator. 1,847,723; Mar. 1.
Miller, Andrew J., Massillon, Ohio. Attachment for plows. 1,891,291; Dec. 6.
Miller, Anne D., Bridgeport, Conn. Set of playing cards. Des. 86,134; Feb. 2.
Miller, Anne D., Bridgeport, Conn. Set of playing cards. Des. 86,732; Apr. 12.
Miller, Anne D., Bridgeport, Conn. Set of playing cards. Des. 87,071; Oct. 18.
Miller, Anthony P., Pleasantville, N. J. Installing piling. 1,888,282; Nov. 22.
Miller, Arthur A., Selinsgrove, Pa. Cigar and cigarette extinguisher. 1,892,314; Dec. 27.
Miller, Arthur C. (See Johnson, Charles H., assignor.)
Miller, Arthur C. (See Johnson, C. H., and Miller.)
Miller, Arthur E. (See Salisbury, H. M., and Miller.)
Miller, Arthur E., Sacramento, and H. M. Salisbury, Walnut Grove, Calif. Variable camber propeller. 1,886,289; Nov. 1.
Miller, Arthur G., Atkinson, Nebr. Program calender. 1,861,811; June 7.
Miller, Arthur S. Des Moines, Iowa. Impeller reaction envelope. 1,879,812; Sept. 27.
Miller, Arthur W., Milwaukee, Wis. Air cleaner. 1,860,111; May 24.
Miller, Austin J. (See Slater, F. S., and Miller.)
Miller, Austin J., Detroit, Mich. Sprinkler head for an underground water system. 1,845,618; Feb. 16.
Miller, Blanche, administratrix. (See Miller, Henry.)
Miller, Bruce D. (See Vogt, C. W., and Miller.)
Miller, Calvin E., Bethlehem, Pa. Therapeutic apparatus. 1,854,713; Apr. 19.
Miller, Calvin L., jr., Concord, N. C. Leg support for automobile driver. 1,885,210; Nov. 1.
Miller, Carl D., Chicago, Ill. Measurement of viscosity. 1,889,996; Dec. 6.
Miller, Carl W., Upper Darby, assignor to J. Ruskin, Philadelphia, Pa. Bottle. Des. 87,726; Sept. 6.
Miller, Carroll, assignor to Thermatomic Carbon Company, Pittsburgh, Pa. Manufacture of carbon black. 1,857,469; May 10.
Miller, Carroll, assignor to Thermatomic Carbon Company, Pittsburgh, Pa. Combustion chamber. 1,881,325; Oct. 4.
Miller, Charles, Long Island City, N. Y. Shoe. Des. 85,953; Jan. 5.
Miller, Charles, Long Island City, and M. Feinstein, Corona, N. Y. Adjustable last. 1,839,692; Jan. 5.
Miller, Charles, New York, N. Y. Shoe. Des. 86,384; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,385; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,386; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,387; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,388; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,389; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,390; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,391; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,392; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,393; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,394; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,395; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,396; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,397; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,398; Mar. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 86,532; Mar. 15.
Miller, Charles, New York, N. Y. Shoe. Des. 86,622; Mar. 29.
Miller, Charles, New York, N. Y. Shoe. Des. 86,795; Apr. 19.
Miller, Charles, New York, N. Y. Shoe. Des. 86,796; Apr. 19.
Miller, Charles, New York, N. Y. Shoe. Des. 86,797; Apr. 19.
Miller, Charles, New York, N. Y. Shoe. Des. 86,798; Apr. 19.
Miller, Charles, New York, N. Y. Shoe. Des. 86,890; May 3.
Miller, Charles, New York, N. Y. Shoe. Des. 86,924; May 10.
Miller, Charles, New York, N. Y. Shoe. Des. 86,925; May 10.
Miller, Charles, New York, N. Y. Shoe. Des. 86,926; May 10.
Miller, Charles, New York, N. Y. Shoe. Des. 86,964; May 17.
Miller, Charles, New York, N. Y. Shoe. Des. 87,847; Sept. 27.
Miller, Charles, New York, N. Y. Shoe. Des. 87,848; Sept. 27.
Miller, Charles, New York, N. Y. Shoe. Des. 87,849; Sept. 27.
Miller, Charles, New York, N. Y. Shoe. Des. 88,166; Nov. 1.
Miller, Charles, New York, N. Y. Shoe. Des. 88,312; Nov. 15.
Miller, Charles, New York, N. Y. Shoe. Des. 88,313; Nov. 15.
Miller, Charles, New York, N. Y. Shoe. Des. 88,365; Nov. 22.
Miller, Charles, and A. Leone, Long Island City, N. Y.; said Leone assignor to P. Miller & Sons, Incorporated. Making shoes. 1,878,876; Sept. 20.
Miller, Charles F., and S. W. Brundage, Miami, Fla. Convertible awning and shutter. 1,858,463; Nov. 1.
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller Company, The. (See Doane, L. C., and Wolter, assignors.)
Miller, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Time lock mechanism. 1,858,964; May 17.
Miller, Charles E. (See Abbott, A. L., Miller, W. C., and C. E.)
Miller, Charles E. (See Beal, C. H., and Miller.)
Miller, Charles F., jr., Pittsburgh, Pa. Animal gut defatting machine. 1,876,258; Sept. 6.
Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Underfeed stoker construction. 1,842,187; Jan. 19.
Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker construction. 1,849,105; Mar. 15.
Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker construction. 1,849,106; Mar. 15.
Miller, Charles F., and S. W. Brundage, Miami, Fla. Combined awning and shutter. 1,844,170; Feb. 9.
Miller, Charles F., and S. W. Brundage, Miami, Fla. Combined awning and shutter. 1,848,263; Mar. 8.
Miller, Charles G., assignor to McClaren Rubber Company, Charlotte, N. C. Tire. Des. 87,727; Sept. 6.
Miller, Charles H. (See Kantor, J., and Miller.)
Miller, Charles H., et al. (See Prebeer, Emery, assignor.)
Miller, Charles H., Chicago, Ill. Hoisting mechanism for truck bodies. 1,854,212; Apr. 19.
Miller, Charles H., Hollywood Cove, W. Va. Christmas ornament. 1,878,794; Sept. 20.
Miller, Charles J. (See Heidecorn, M., and Miller.)
Miller, Charles R., and J. E. Mountford, jr., Pittsburgh, Pa. Apparatus for lubricating railway rails. 1,884,079; Oct. 25.
Miller, Charles, esq., trustee. (See Lapidus, Morris, assignor.)
Miller, Chester D., assignor to D. L. Benton, Los Angeles, Calif. Faucet. Des. 86,851; Apr. 26.
Miller, Chester D., assignor to D. L. Benton, Los Angeles, Calif. Dispensing tank. Des. 86,852; Apr. 26.
Miller, Christian, New York, N. Y., assignor to Edwards and Company, Inc. Push button switch construction. 1,861,400; May 31.
Miller, Christian, New York, N. Y., assignor to Edwards and Company, Inc. Signaling device. 1,863,532; June 14.
Miller, Clarence E., Beallsville, Pa. Multicylinder pump. 1,871,816; Aug. 16.
Miller, Clarence W. (See Goode, G. C., Selje, and Miller.)
Miller, Clarence W., Detroit, and G. C. Goode, Birmingham, assignors to Chrysler Corporation, Detroit, Mich. Bus chassis construction. 1,872,485; Aug. 16.
Miller, Clarence W., Detroit, and G. C. Goode, Birmingham, assignors to Chrysler Corporation, Detroit, Mich. Bus wheel driving unit. 1,872,486; Aug. 16.

Miller, Clarke C., assignor to Standard Oil Company, Whiting, Ind. Preparing lubricating oil. 1,869,608; Aug. 2.

Miller, Claud T., assignor to The Buda Company, Harvey, Ill. Carburetor. 1,869,976; Aug. 2.

Miller, Claude W., Penryn, Calif. Shock equalizer. 1,847,252; Mar. 1.

Miller, Clyde H. Portland, Oreg. By-pass valve. 1,840,968; Jan. 12.

Miller Combination Bailer and Pump Company. (See Miller, George W., assignor.)

Miller Combination Bailer and Pump Company. (See Webber, Donald E., assignor.)

Miller Company. (See Williams, F. T., and Ellis, assignors.)

Miller, Constantine G., Chicago, Ill., assignor to The Meaker Company. Automatic work shift for plating machines. 1,856,497; May 3.

Miller, D. D. (See Hibbs, E. G., and Miller.)

Miller, Dale O., Detroit, Mich. Hydraulic stoker control. 1,845,517; Feb. 9.

Miller, Dale O., Detroit, Mich. Furnace door. 1,881,287; Oct. 4.

Miller, Daniel D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic signaling device. 1,881,829; Oct. 11.

Miller, Daniel H., Kearney, Nebr. Tire tube tester. 1,880,328; Oct. 4.

Miller, Daniel H., Kearney, Nebr. Tire tube tester. 1,883,229; Oct. 4.

Miller, David B., Greenfield, assignor to Millers Falls Company, Millers Falls, Mass. Rotary tool. 1,855,456; Apr. 26.

Miller, David B., Greenfield, assignor to Millers Falls Company, Millers Falls, Mass. Hand tool. 1,858,276; May 17.

Miller, Delbert F., Baylor, Mont. Form for concrete walls. 1,851,399; Mar. 29.

Miller Devices Inc. (See Miller, Philip M., assignor.)

Miller, Dorothy, Kansas City, Mo. Pianette. 1,891,268; Dec. 20.

Miller, Dorr, Detroit, Mich., assignor to The Dura Company, Toledo, Ohio. Handle assembly. 1,853,918; Apr. 12.

Miller, Dorr, Detroit, Mich., assignor to The Dura Company, Toledo, Ohio. Combined door latch and kick out assembly. 1,865,581; July 5.

Miller, Dorr, Detroit, Mich., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Handle assembly. 1,876,257; Sept. 6.

Miller, Dorr, Detroit, Mich., assignor to The Toledo Alloyed Castings Company, Toledo, Ohio. Piston blank and method of manufacturing pistons. 1,885,463; Nov. 1.

Miller, H. O. (See Ice, H. C., and Miller.)

Miller, Earl C. (See Anderson, D. P., and Miller.)

Miller, Edgar C., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loading machine. 1,873,008; Aug. 23.

Miller, Edgar R. (See Littell, F. M., and Miller.)

Miller, Edward, et al. (See Strosnider, Luther, assignor.)

Miller, Edward, Portland, N. Dak. Heater. 1,807,519; July 12.

Miller, Edward, St. Paul, Minn. Adjustable horse-collar. 1,879,591; Sept. 20.

Miller, Edward J., Milwaukee, Wis. Method of and apparatus for applying wall finishes. 1,888,234; Nov. 22.

Miller, Edward S., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Revoluble truing means for helicoidal surfaces. 1,839,693; Jan. 5.

Miller, Elmer O., Beloit, Kans. End gate. 1,864,660; June 28.

Miller, Elsie F., New York, N. Y. Hand bag. 1,871,549; Aug. 16.

Miller, Ernest B., Baltimore, Md. Adsorption system. 1,872,783; Aug. 23.

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Refrigeration car. 1,862,604; June 14.

Miller, Ernest B., assignor to Silica Gel Corporation, Baltimore, Md. Refrigeration method and apparatus. 1,864,661; June 28.

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Plastic composition. 1,864,662; June 28.

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Revivifying adsorbents. 1,868,581; July 26.

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Refining liquid hydrocarbons. 1,886,260; Nov. 1.

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Chamber process of manufacturing sulphuric acid. 1,889,973; Dec. 6.

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Refrigeration system. 1,892,407; Dec. 27.

Miller, Ernest B., and G. C. Connolly, assignors to The Silica Gel Corporation, Baltimore, Md. Refining liquid hydrocarbons. 1,886,261; Nov. 1.

Miller, Ernest F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat transfer apparatus. 1,884,080; Oct. 25.

Miller, Erwin E., Fullerton, Calif. Expansible packing for plungers. 1,882,156; Oct. 11.

Miller, Fabian, Ingallston, Mich. Hand punch. 1,848,021; Mar. 1.

Miller, Ferdinand, Elizabeth, N. J., assignor to International Motor Company, New York, N. Y. Trailer coupling. 1,858,785; May 17.

Millar, Floyd O., and W. C. Denison, jr., Columbus, Ohio; said Millar assignor to said Denison. Car propeller for tunnel kilns. 1,881,828; Oct. 11.

Miller, Frank J., East Orange, N. J. Bowling alley. 1,892,315; Dec. 27.

Miller, Frank J., Hollywood, Calif. Pump. 1,865,873; July 5.

Miller, Frank L., assignor to Davis-Miller Engineering Company, Parkersburg, W. Va. Coupling device. 1,875,477; Sept. 6.

Miller, Frank L., assignor to Davis-Miller Engineering Company, Parkersburg, W. Va. Semitrailer. 1,875,636; Sept. 6.

Miller, Frank P. (See Skeel, Lewis, and Miller.)

Miller, Frank P., Chicago, Ill. Railway crossing guard. 1,867,276; June 7.

Miller, Frank P., Meadville, Pa. Rotary cutter. 1,883,810; Oct. 18.

Miller, Frank P., and L. Skeel, assignors to McClosky Tool Corporation, Meadville, Pa. Tapping or tool holding. 1,850,938; Mar. 22.

Miller, Frank R. (See Miller, Morton G., assignor.)

Miller, Frank S., St. Louis, Mo. Automobile running board carrier. 1,864,607; June 28.

Miller, Frank W., Chicago, Ill. Locomotive refilling method. 1,870,582; Aug. 9.

Miller, Frank W., Chicago, Ill. Firing equipment. 1,875,750; Sept. 6.

Miller, Fred F., San Francisco, Calif. Flush valve. 1,845,055; Feb. 16.

Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line device. 1,870,781; Aug. 9.

Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,870,821; Aug. 9.

Miller, Frederic H., Edgewood, and G. M. Barrow, Derry, Pa., assignors to Westinghouse Electric & Manufacturing Company. Cable support. 1,871,336; Aug. 9.

Miller, Frederick. (See Kimber, H. P., and Miller.)

Miller, Frederick B., Scottdale, Pa. Mining machinery. 1,858,933; May 17.

Miller, Frederick E., Wenatchee, Wash. Scanning disk. 1,874,877; Sept. 20.

Miller, George, assignor to Miller Wholesale Drug Company, Cleveland, Ohio. Nebulizer. 1,865,942; July 5.

Miller, George C., Brighton, Mass. Display device. 1,879,943; Sept. 27.

Miller, George E., Etna, Pa. Tapping machine. 1,877,251; Sept. 13.

Miller, George E. and S. C. Witherspoon, Edgewood, Md. Preparing arenic trichloride. 1,852,183; Apr. 5.

Miller, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Spool and protector therefor. 1,873,618; Aug. 23.

Miller, George L., assignor to The Maytag Company, Newton, Iowa. Governor coupling device. 1,842,835; Jan. 26.

Miller, George W., Sapulpa, Okla. Bit attachment for bailers. 1,855,488; Apr. 26.

Miller, George W., Sapulpa, Okla. Sand pump. 1,861,022; May 31.

Miller, George W., Sapulpa, Okla. Clean-out bit for sand pumps. 1,889,865; Dec. 6.

Miller, George W., assignor to Miller Combination Bailer and Pump Company, Sapulpa, Okla. Bailer. 1,862,628; June 14.

Miller, George W., Washington, D. C. Ice plant. 1,882,189; Oct. 11.

Miller, George W., Washington, D. C. Ice plant. 1,884,081; Oct. 25.

Miller, George W., Glen Ellyn, Ill. Hair waving apparatus. 1,882,394; Oct. 11.

Miller, George W., Amery, Wis. Hot air furnace. 1,891,996; Dec. 27.

Miller, H. C., Co. (See Lotter, Adolph G., assignor.)

Miller, H. H., Industries Company, The. (See Miller, Harvey H., assignor.)

Miller, H. H., Industries Company, The. (See Miller, Morris E., assignor.)

Miller, H. H., Industries Company, The. (See Morrow, Clifford, assignor.)

Miller, H. H., Industries Company, The. (See Pfouts, Leroy S., assignor.)

Miller, Hans, Berlin Lichterfelde, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Steam valve. 1,870,293; Aug. 9.

Miller, Harley H., Middletown, Ohio, assignor to The Miami Cabinet Company. Device for mounting glass, mirrors, etc. 1,856,923; May 3.

Miller, Harry, Newark, N. J. Parcel receiving chute. 1,874,112; Aug. 30.

Miller, Harry, Okmulgee, Okla. Treating dry cleaning fluids. 1,878,287; Sept. 20.

Miller, Harry G., Denver, Colo. Valve reseating tool. 1,846,890; Feb. 23.

Miller, Harvey H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Pasteurizers. 1,879,392; Sept. 27.

Miller, Henry, deceased; B. Miller, administratrix, Chicago, Ill. Electric sign. 1,850,285; Mar. 22.
Miller Henry, assignor to A. O. Smith Corporation, Milwaukee, Wis. Press. 1,847,620; Mar. 1.
Miller, Henry, assignor to New Process Metals Corporation, Newark, N. J. Removing gases from inclosed spaces. 1,864,084; June 21.
Miller, Henry, assignor to A. O. Smith Corporation, Milwaukee, Wis. Making a spring hanger. 1,872,319; Aug. 16.
Miller, Henry, and B. B. Betts, St. Louis, Mo. Device for preventing railroad switches from freezing. 1,849,465; Mar. 15.
Miller, Henry B., Honey Creek, Wis. Scaffold bracket. 1,871,721; Aug. 16.
Miller, Henry C., deceased; First Wisconsin Trust Company, executor, assignor, by mesne assignments, to Stationers Loose Leaf Company, Milwaukee, Wis. Division sheet for visible record binders. 1,845,619; Feb. 16.
Miller, Henry J., assignor to Grigsby-Grunow Company, Chicago, Ill. Coated electron emitting surface. 1,884,082; Oct. 25.
Miller, Henry J., and F. J. Cahn, assignors to Grigsby-Grunow Company, Chicago, Ill. Oxide coatings and preparing the same. 1,874,785; Aug. 30.
Miller, Henry R., Bernville, Pa., assignor of one-half to P. A. Hoffman, Philadelphia, Pa. Selective control mechanism for radio sets. 1,863,931; June 21.
Miller, Herbert E., Allentown, Pa. Insulator mounting. 1,853,218; Apr. 12.
Miller, Herman B., San Francisco, Calif. Tray unloader. 1,879,393; Sept. 27.
Miller, Herman P., jr., East Orange, N. J., and E. G. Ports, Woodside N. Y., assignors to International Communications Laboratories, Inc., New York, N. Y. Radiotransmitter mounting. 1,873,009; Aug. 23.
Miller Hosiery Co. (See Graenz, Alfred, assignor.)
Miller, Howard E. (See Jones, J. R., and Miller.)
Miller, Howard F., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler mechanism. 1,862,799; June 14.
Miller, Howard H. and J., Cincinnati, Ohio. Mail distributing machine. 1,868,243; July 19.
Miller, I., & Sons, Incorporated. (See Bevilacqua, Dominick, assignor.)
Miller, I., & Sons, Incorporated. (See Miller, C., and Leone, assignors.)
Miller, J. B., et al., trustees. (See Hanke, Julius F., assignor.)
Miller, J. P., et al. (See Adams, Alexander S., assignor.)
Miller, J. W., Co. (See Landgraf, J. T., and Miller, assignors.)
Miller, Jacob A., Genoa, Colo. Corn harvester. 1,869,269; July 26.
Miller, Jacob C., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Batch measuring device. 1,845,063; Feb. 16.
Miller, James, Brixton, London, and A. Simon, Bow, London, England. Apparatus for embossing fabrics. 1,885,618; Nov. 1.
Miller, James B., Webster Groves, Mo. Switch throwing device. 1,854,521; Apr. 19.
Miller, James G. (See Houghton, A. C., and Miller.)
Miller, James G., Buffalo, N. Y. Burial vault. 1,886,290; Nov. 1.
Miller, James M., Kiowa, Kans. Highway marker. 1,860,719; May 31.
Miller, James S., Trenton, N. J. Dental chair attachment. 1,874,545; Jan. 19.
Miller, James S., Trenton, N. J. Dental chair attachment. 1,852,892; Apr. 5.
Miller, James S., Trenton, N. J. Towel holder. 1,871,189; Aug. 9.
Miller, James S., Trenton, N. J. Dental chair attachment. 1,871,221; Aug. 9.
Miller, James S., Trenton, N. J. Clamp. 1,879,394; Sept. 27.
Miller, James S., Clinton, Nebr. Automobile tire protector. 1,879,395; Sept. 27.
Miller, Jeptha M., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Aircraft carburetor and fuel supply system. 1,851,663; Jan. 19.
Miller, Jerome J., Chadron, Nebr. Journal box packing holder. 1,868,842; July 26.
Miller, John, Crafton, Pittsburgh, Pa. Valve. 1,871,072; Aug. 9.
Miller, John B., assignor to Knox Stove Works, Knoxville, Tenn. Circulating heater. Des. 87,350; July 12.
Miller, John C., Lakewood, Ohio. Metal corner. 1,870,132; Aug. 2.
Miller, John C., Racine, Wis. Hedge trimmer. 1,878,878; Sept. 20.
Miller, John E., Huntington, W. Va. Burner. 1,884,083; Oct. 25.
Miller, John H., Oak Park, Ill., assignor by mesne assignments to Jewell Electrical Instrument Company, Electric meter. 1,877,008; Sept. 13.
Miller, John M., assignor to Owens Development Corporation, New York, N. Y. Governor. 1,868,910; July 26.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving system. 1,872,487; Aug. 16.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving system. 1,886,571; Nov. 8.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving system. 1,888,430; Nov. 22.
Miller, John R., Baldwin Park, Calif. Valve. 1,885,939; Nov. 1.
Miller, John W. C., Roanoke, Va. Combined lighting and signal switch for automobiles. 1,858,746; May 17.
Miller, Joseph. (See Miller, Howard H. and J.)
Miller, Joseph, Minneapolis, Minn. Refrigerator door lock. 1,887,210; Nov. 8.
Miller, Joseph H., Houston, Tex. Dispensing can. 1,862,193; June 7.
Miller, Joseph J., West Allis, Wis. Fish lure. 1,890,400; Dec. 6.
Miller, Julien C., Paducah, Kentucky. Collapsible crate. 1,881,277; July 12.
Miller, Junius G., Oshkosh, Wis. Pitman. 1,892,069; Dec. 27.
Miller, Kenneth W. (See Halperin, H., and Miller.)
Miller, Kenneth W., Chicago, Ill. Cable tool. 1,841,251; Jan. 12.
Miller, Kenneth W., and D. W. Roper, Chicago, Ill. Cable sheath bonding. 1,858,838; May 17.
Miller, Kinney I., Lancaster, Mo. Ultra-violet ray hover and brooder. 1,879,578; Jan. 5.
Miller, Lee H., Cleveland Heights, Ohio. Building construction. 1,842,795; Jan. 26.
Miller, Leo B. (See McDonnell, E. N., Miller, and Carlson.)
Miller, Leroy, Oxford, Ind. Automobile screen. 1,862,605; June 14.
Miller, Lloyd E., Cleveland Heights, assignor to The Reliance Electric and Engineering Company, Cleveland, Ohio. Control means for sheet feeding or delivering or the like. 1,859,499; Aug. 16.
Miller, Louis G., Bethlehem, Pa., assignor to Bethlehem Steel Company. Brake beam support and safety device. 1,844,171; Feb. 9.
Miller, Louis J., assignor to United Autographic Register Co., Chicago, Ill. Carbon holder. 1,852,666; Apr. 5.
Miller, Marvin H. (See Shidler, W. H., Holm, and Miller.)
Miller, Max C., Cumberland Hill, R. I. Knitting machine. 1,871,190; Aug. 9.
Miller, Max C., Cumberland, R. I. Knitting needle. 1,876,259; Sept. 6.
Miller, Max C., Cumberland, R. I. Stocking and method of knitting the same. 1,876,712; Sept. 13.
Miller, Max C., assignor to Hosiery Machine Corporation, Cumberland, R. I. Knitting machine. 1,877,573; Sept. 13.
Miller, Michael E., Washington, D. C. Boiler. 1,853,372; Apr. 12.
Miller, Mike, Scranton, Iowa. Corn planter attachment for tractors. 1,855,252; Apr. 26.
Miller, Morris. (See Ohio, Cashier, assignor.)
Miller, Morris E., assignor to The H. H. Miller Industries Company, Canton, Ohio. Equipment for freezing and packing materials. 1,866,316; July 5.
Miller, Morton G., Summit Grove, assignor of one-fourth to Frank R. Miller, Terre Haute, Ind. Rug cleaning machine. 1,885,461; Nov. 1.
Miller, Myron, assignor of one-third to B. W. Coltman, Chicago, Ill. Cigar wrapping and banding machine. 1,856,421; May 3.
Miller, Myron D., assignor, by mesne assignments, to The Dunham Company (1931), Berea, Ohio. Soil pulverizer. 1,884,802; Oct. 25.
Miller, Nicholas, River Forest, Ill. Optic projection. 1,891,942; Dec. 27.
Miller, O. A., Freeing Machine Company. (See Loney, John W., assignor.)
Miller, Ohmer R., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording and reproduction of intelligence. 1,859,930; May 24.
Miller, Oscar E., Stratton, Nebr. Grain handling machine. 1,862,092; June 7.
Miller, Peter, Kearney, Nebr. Wheeled vehicle and automatically securing the same against movement. 1,847,355; Mar. 1.
Miller, Peter M., and V. E. Extrom, Minneapolis, Minn. Toaster. 1,878,968; Sept. 20.
Miller, Peter J. O., assignor of one-half to F. E. Nystrom, Joliet, Ill. Signaling device. 1,860,427; May 31.
Miller, Philip L., Florissant, Mo. Combined plumb and level saw handle. 1,879,396; Sept. 27.
Miller, Philip M., Cleveland, Ohio. Wheel for vehicles. Des. 85,952; Jan. 5.
Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York. Motor wheel and rim construction. 1,840,678; Jan. 12.
Miller Printing Machinery Company. (See Barrett, Alfred W., assignor.)
Miller Printing Machinery Company. (See Upham, Burt F., assignor.)
Miller, Ralph J., assignor to Gisholt Machine Company, Madison, Wis. Locking pin damping device. 1,875,096; Aug. 30.
Miller, Ralph K., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,866,575; July 12.

Miller, Reginald J., London, England, assignor, by mesne assignments, to Western Electric Company, incorporated. Electrical sound reproduction of gramophone and like records. 1,851,830; Oct. 11.

Miller, Robert A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducing system. 1,871,383; Aug. 9.

Miller, Robert E., Bronxville, N. Y. Shoe rack. 1,863,204; June 14.

Miller, Robert E., Bronxville, N. Y. Caster. 1,869,574; Aug. 2.

Miller, Robert E., Bainbridge, Ga. Automatic bottle washing and brushing machine. 1,877,682; Sept. 13.

Miller, Robert M., Montgomery, Pa. Desk. 1,879,854; Sept. 27.

Miller, Roland M., Cleveland, Ohio. Flask for manufacturing artificial dentures. 1,862,699; June 14.

Miller, Roy A. (See Langford, J. F., and Miller.)

Miller, Roy G., Farmingdale, assignor to The Aviation Patent and Research Corporation, New York, N. Y. Sound absorbing monocoque fuselage. 1,892,070; Dec. 27.

Miller, Royal R. (See North, R. B., Hough, and Miller.)

Miller, Royal R., Elmhurst, Ill., assignor to W. M. Blair, Chicago, Ill. Hydraulic bulldozer. 1,890,228; Dec. 6.

Miller Rubber Company, The. (See Smith, Albert G., assignor.)

Miller Rubber Company Inc., The. (See Bulley, George W., assignor.)

Miller Rubber Company Inc. (See Collins, Arthur E., assignor.)

Miller Rubber Company Inc. (See Michelson, Albert S., assignor.)

Miller Rubber Company Inc., The. (See Warner, Raymond M., assignor.)

Miller, Rudolph W., Brooklyn, N. Y. Ornamental fountain. 1,873,344; Mar. 1.

Miller, Russell H. (See Miller, Alvin L. and R. H.)

Miller, Samuel C., Louisville, Ky. Cigarette and cigarette package. 1,865,983; July 5.

Miller, Samuel F. (See Downes, J. R., and Miller.)

Miller, Samuel W., Hollis, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Welding rod. 1,873,847; Aug. 23.

Miller, Samuel W., Hollis, N. Y., assignor to Oxweld Acetylene Company. Producing a heating or welding flame. 1,891,314; Dec. 20.

Miller, Sherman. (See Hutton, A., and Miller.)

Miller, Stanley B., Alameda, Calif. Fuel injection system. 1,868,713; July 26.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar, etc. 1,844,896; Feb. 9.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,844,897; Feb. 9.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,844,898; Feb. 9.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar and recovery of products therefrom. 1,844,899; Feb. 9.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Apparatus for the production and distillation of tar. 1,844,903; Feb. 9.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,844,904; Feb. 9.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Method of preparing creosoting compositions and apparatus therefor. 1,849,198; Mar. 15.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of oil. 1,862,493; June 7.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,862,494; June 7.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,868,394; July 19.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Apparatus for distillating tar. 1,871,550; Aug. 16.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. By-product coke oven recovery system. 1,944,984; Oct. 25.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,888,295; Nov. 22.

Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,888,296; Nov. 22.

Miller, Stuart P., Englewood, N. J. Method and apparatus for distilling tar. 1,892,654; Dec. 27.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Operation of by-product recovery systems. 1,844,894; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to Barrett Company, New York, N. Y. Operation of by-product recovery systems. 1,844,895; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Production of high carbon pitches, etc. 1,844,896; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Production of low carbon pitches. 1,844,897; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Production of high and low carbon pitches. 1,844,898; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Low carbon pitch compositions. 1,844,899; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. High carbon pitch compositions. 1,844,900; Feb. 9.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Operation of coal distillation plants. 1,849,197; Mar. 15.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation. 1,858,309; July 19.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Electrical precipitation. 1,884,085; Oct. 25.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Electrical precipitation. 1,884,086; Oct. 25.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Production of clean oils at coal distillation plants. 1,884,087; Oct. 25.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Fume arrester for cupola furnaces. 1,884,088; Oct. 25.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Preparing creosoting compositions. 1,886,967; Nov. 8.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Operation of by-product coke oven plants. 1,888,465; Nov. 22.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Operating cupola furnaces. 1,889,757; Dec. 6.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Method and apparatus for distilling tar and simultaneously producing high and low melting point pitches. 1,892,469; Dec. 27.

Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Reducing nitro compounds. 1,845,759; Feb. 16.

Miller, Stuart P., assignor to The Barrett Company, New York, N. Y. Production of creosoting compositions. 1,849,199; Mar. 15.

Miller, Stuart P., assignor to The Barrett Company, New York, N. Y. Removal of phenols from waste and other liquors. 1,873,900; Aug. 23.

Miller, Stuart P., assignor to The Barrett Company, New York, N. Y. Elimination of phenols and other liquors. 1,873,901; Aug. 23.

Miller, Stuart P., Englewood, and E. H. Ellms, Morsemere, N. J., assignors to The Barrett Company, New York, N. Y. Recovery of light oils. 1,844,749; June 28.

Miller, Thomas D. (See Bredel, Frederick, assignor.)

Miller, Thomas D., Clarksville, Md. Roof covering. 1,849,965; Mar. 15.

Miller, Thomas D., Clarksville, Md. Shingle. 1,860,899; May 31.

Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Soap container. 1,854,415; Apr. 19.

Miller-Tompkins & Company. (See Grant, Herbert A., assignor.)

Miller, Truman A., Alameda, Calif. Base for a display stand. Des. 87,351; July 12.

Miller, Walter A., assignor to United Air Cleaner Co., Chicago, Ill. Air cleaner. 1,871,384; Aug. 9.

Miller Wholesale Drug Company. (See Miller, George, assignor.)

Miller, Wilber B., Flushing, N. Y., assignor to Oxweld Acetylene Company. Arc-welding electrode. 1,852,021; Apr. 5.

Miller, Wilbur G., Los Angeles, Calif. Multiple-way bypass valve. 1,858,054; May 10.

Miller, William. (See Binnie, Robert T., assignor.)

Miller, William, Brooklyn, assignor of one-half to A. E. Lackenbach, New York, N. Y. Tag. 1,852,255; Apr. 5.

Miller, William, Dunston-on-Tyne, and H. T. Lamb, Newcastle-on-Tyne, England. Ball or roller clutch. 1,857,252; May 10.

Miller, William, Dunston-on-Tyne, and H. T. Lamb, Newcastle-on-Tyne, England. Sprag for motor vehicles and the like. 1,857,253; May 10.

Miller, William C. (See Abbott, A. L., and Miller.)

Miller, William C. (See Abbott, A. L., and Miller, W. C. and C. E.)

Miller, William C., Hazleton, Pa. Christmas tree holder. 1,846,851; Feb. 23.

Miller, William E., Gobles, Mich. Wrapping machine. 1,872,488; Aug. 16.

Miller, William F., Miami, assignor to Rellin Investment Company, Miami, Fla. Punch. 1,869,073; July 26.

Miller, William H. (See Moore, G. S., and Miller.)

Miller, William H., Sunbury, Pa. Clamping receptacle. 1,876,464; Sept. 6.

Miller, Wm. J. (See Barrett, G. J., and Robichaux, assignors.)

Miller, William J., Swissvale, Pa. Method of and apparatus for automatically reshaping and decorating ware in the manufacture of pottery. 1,842,622; Jan. 26.
Miller, William J., Swissvale, Pa. Removing excess of material in shaping pottery ware. 1,850,939; Mar. 22.
Miller, William J., Swissvale, Pa. Conveying mechanism. 1,856,498; May 3.
Miller, William J., Swissvale, Pa. Method of and apparatus for manufacturing pottery ware. 1,868,425; July 19.
Miller, William J., Swissvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of producing solid ware. 1,818,581; Aug. 23.
Miller, William J., Swissvale, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Apparatus for forming articles of glass. 1,866,506; July 5.
Millerchip, John, Lane Cove, and T. M. Lambert, Artarmon, New South Wales, Australia. Screw cutting die. 1,890,124; Dec. 6.
Millermaster, Ralph A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric lamp receptacle. 1,846,447; Feb. 23.
Millermaster, Ralph A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch mechanism. 1,882,858; Oct. 18.
Millermaster, Ralph A., Milwaukee, and W. C. Tregoning, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical fitting. 1,840,530; Jan. 12.
Millers Falls Company. (See Bacon, Charles F., assignor.)
Millers Falls Company. (See Miller, David B., assignor.)
Millers Falls Company. (See Shortell, William H., assignor.)
Millers Falls Company. (See Wilcox, George R., assignor.)
Millett, John E. (See Nordstrom, G. E., and Millett.)
Millholland, William K., Indianapolis, Ind. Multiple unit turret type machine tool. 1,849,683; Mar. 15.
Millliff, Frank A. and J. A., Los Angeles, Calif. Petroleum refining apparatus. 1,852,240; Apr. 5.
Milliff, John A. (See Milliff, Frank A. and J. A.)
Milligan, Albert J., San Francisco, Calif. Automatic gas valve. 1,871,911; Aug. 16.
Milligan, Charles H., and S. Klosky, Newark, N. J., assignors to The American Agricultural Chemical Company. Process of treating phosphoric acid/or conversion products thereof. 1,857,470; May 10.
Millican, Clifford V., Houston, Tex. Flatwork ironer. 1,851,139; Mar. 29.
Millican, John B., Columbus, Ohio, assignor to The Columbus Auto Parts Company. Adjustable king pin bearing. 1,867,307; July 12.
Milliken, Elmer F., Arlington, Mass., assignor to George D. Ellis and Sons, Incorporated, Philadelphia, Pa. Tank filling pipe. 1,849,933; Jan. 19.
Millikin, Humphreys, Montreal, Quebec, Canada. High-power circuit-breaker. 1,861,128; May 31.
Milliken, Humphreys, Montreal, Quebec, Canada. Circuit breaker. 1,861,129; May 31.
Millington, Arthur E., Portland, Oreg. Paper manufacture. 1,853,774; Apr. 12.
Millington, Arthur E., San Francisco, Calif., assignor to The United States National Bank of Portland, Oreg., trustee. Manufacture of wall-board and the like. 1,870,316; May 10.
Millington, Arthur E., Oakland, Calif., assignor to The United States National Bank of Portland, Oreg., as trustee. Fiber liberation. 1,857,477; May 10.
Millington, Felix B., Maracaibo, Venezuela. Speed control for automobiles. 1,884,804; Oct. 25.
Millikan, Cameron B., Forest Hills, N. Y., and J. F. Finnegan, Chicago, Ill. Butter chip. 1,858,247; May 17.
Millis, Charles T., jr., and E. A. Parker, Dallas, Tex. Sanitary can. 1,888,027; Nov. 15.
Millis, Loren G., Santa Ana, Calif. Dispensing device. 1,889,689; Nov. 29.
Millison, Ivory J., Maywood, Ill. Automatic time interval controlling device. 1,864,255; June 21.
Millner, James A., assignor to Lanair Company, Chicago, Ill. Sanitary pack. 1,884,089; Oct. 25.
Millo, Ernest S., assignor to David Shiaffer, Bronx, N. Y. Ice cream dipper. 1,877,935; Sept. 20.
Mills, Albert W., East Orange, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Punch action. 1,845,001; Feb. 16.
Mills, Albert W., East Orange, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Perforating machine. 1,882,859; Oct. 18.
Mills Alloys, Inc. (See Marvin, Orrin F.)
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Clock case. Des. 86,733; Apr. 12.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Clamping device for phonograph records and the like. 1,843,140; Feb. 2.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Selector mechanism. 1,864,143; June 21.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Circuit breaking device. 1,864,144; June 21.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Automatic cut-off switch. 1,889,786; Dec. 6.
Mills, Beryl C. (See Gardiner, Robert E., assignor.)
Mills, Brent. (See Hamer, W. D., Chatfield, and Mills.)
Mills, Chester B., and P. R. Bassett, assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Searchlight control. 1,850,598; Mar. 22.
Mills, David S., Brooklyn, N. Y. Safety razor. 1,889,100; Nov. 29.
Mills, Dudley M., assignor to Musto-Keenan Company, Los Angeles, Calif. Column turning, honing, and polishing machine. 1,859,594; May 24.
Mills, Edward C. (See Hele-Shaw, H. S., Beacham, and Mills.)
Mills, Frank C., Laplant, S. Dak. Trap setting devices. 1,868,714; July 26.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin-operated machine. 1,854,479; Apr. 19.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Selective vending machine. 1,870,637; Aug. 9.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Commodity vending machine. 1,880,831; Oct. 11.
Mills, James E., Edgewood, Md. Phosphorus container. 1,858,456; May 17.
Mills, John S., Kossuth, Miss. Cologne holder. 1,889,075; Nov. 29.
Mills, Lewis H., assignor to Neverburn Cooker Co., Seattle, Wash. Cooking utensil. 1,877,009; Sept. 13.
Mills, Lindley E. (See Britton, E. C., and Mills.)
Mills, Lindley E. (See Coleman, G. H., and Mills.)
Mills, Lindley E. (See Grehm, F. J., and Mills.)
Mills, Lindley, E. (See Putnam, M. E., and Mills.)
Mills, Lindley E., Midland, Mich., assignor to The Dow Chemical Company. Manufacture of amine salts. 1,843,693; Feb. 2.
Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Acylating amine. 1,878,969; Sept. 20.
Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Purification of primary aromatic amine hydrohalides of the benzene series. 1,878,970; Sept. 20.
Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Separating halo-benzoic acids. 1,882,335; Oct. 11.
Mills, Lindley E., and H. S. Goodwin, assignors to The Dow Chemical Company, Midland, Mich. Esters of salicylic acid. 1,856,880; May 3.
Mills Novelty Company. (See Mills, Bert E., assignor.)
Mills Novelty Company. (See Mills, Fred L., assignor.)
Mills Novelty Company. (See Radtke, Bruno, assignor.)
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Mills, Robert K. (See Jones, T. H., and Mills, assignors.)
Mills, Robert K., Sherwood, England. Machine for the production of knitted fabrics. 1,844,781; Feb. 9.
Mills, Robert K., Sherwood, England. Knitting needle. 1,884,090; Oct. 25.
Mills, Robert K., Sherwood, Nottingham, England. Knitting machine needle. 1,886,291; Nov. 1.
Mills, Samuel, Cleveland, Ohio. Collapsible tent. 1,846,496; Feb. 23.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Spool. 1,892,356; Dec. 27.
Mills, William A., Port Chester, N. Y., assignor to Foran Boiler Company, Inc. Steam generator or boiler. 1,865,944; July 5.
Millsap, David L., Powersville, Mo. Cigar protector. 1,853,446; Apr. 12.
Millspaugh, William H., Sandusky, Ohio. Paper making machine. 1,853,068; Apr. 12.
Millspaugh, William H., assignor to The Paper & Textile Machinery Co., Sandusky, Ohio. Method and machine for perforating suction-roll shells. 1,854,053; Apr. 12.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Blowing eventative for paper-machine felts. 1,883,391; Oct. 18.
Millwood, James P. (See Hendley, F., and Millwood.)
Milmore, Thomas A., Brooklyn, N. Y. Rapid revolver loader. 1,891,437; Dec. 20.
Milne, George D., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,841,496; Jan. 19.
Milne, Winford G., Hamilton, Ontario, Canada. High tension switch. 1,845,927; Feb. 16.
Milner, Bert B., Chicago, Ill. Steam engine cut-off responsive means. 1,852,327; Apr. 5.
Milner, Emil, Germantown, assignor to Continental Mills, Inc., Philadelphia, Pa. Needle assembly mechanism for knitting machines and the like. 1,880,267; Oct. 4.
Milner, Emil, and F. Walter, Germantown, Philadelphia, assignors to Continental Mills, Inc., Philadelphia, Pa. Apparatus for the production of vertical stripes on the circular type knitting frame. 1,883,811; Oct. 18.
Milner, Thomas W., Rockford, Ill., assignor to The Tray Service Company, Dallas, Tex. Service tray. 1,850,599; Mar. 22.
Milner, Wilfred R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Radiator cap. Des. 87,231; June 21.
Milnes, James, Struthers, and R. E. Howell, Poland, Ohio. Roll heater. 1,878,971; Sept. 20.

Milnesia Laboratories, Inc. (See McGowan, William C., assignor.)
Milnor, Joseph W., Maplewood, N. J., E. A. Demonet, Brooklyn, N. Y., and F. B. Bramhall, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Polar relay. 1,848,022; Mar. 1.
Milson, John R., Mansfield, Mass., assignor to Mylon Corporation, Philadelphia, Pa. Treating jute fibers. 1,854,091; Oct. 25.
Milwaukee Air Power Pump Company. (See Rogers, Homer S., assignor.)
Milwaukee Chair Company. (See Macomber, Lewis E., assignor.)
Milwaukee Electric Railway and Light Company, The. (See Merrybrook, Frederick W., assignor.)
Milwaukee Electric Railway & Light Company, The. (See Zass, Michael, assignor.)
Milwaukee Flush Valve Company, The. (See Judell, Julius S., assignor.)
Milwaukee Foundry Equipment Co. (See Byerlein, E. J., and Graf, assignors.)
Milwaukee Gas Specialty Company. (See Gauger, Frank A., assignor.)
Milwaukee Gas Specialty Company. (See Sackett, Warren W., assignor.)
Milwaukee Gas Specialty Company. (See Schirmer, Walter E., assignor.)
Milwaukee Gas Specialty Co. (See Toelle, Herbert E., assignor.)
Milwaukee Stamping Company. (See Otten, Benjamin A., assignor.)
Milwaukee Valve Company. (See Fina, Valentine, assignor.)
Minami Manshu Tetsudo Kabushiki Kaisha. (See Sato, M. and Ito, assignors.)
Minardi, Francisco. (See Strocchi, N., and Minardi.)
Mindell, Charles, New York, N. Y., assignor to L. G. Robinovitch, Golden, Colo. Hypochlorites. 1,857,318; May 10.
Mindell, Charles, Jackson Heights, N. Y., assignor to L. G. Robinovitch, Golden, Colo. Chlorine preparation. 1,878,164; Sept. 20.
Mindell, Charles, Jackson Heights, N. Y., assignor to L. G. Robinovitch, Golden, Colo. Chlorine preparation. 1,878 510; Sept. 20.
Mindermann, John H., Union City, and F. Hobler, West New York, N. J. Valve tool. 1,866,703; June 7.
Mine Safety Appliances Company. (See Dotter, Arthur L., assignor.)
Mine Safety Appliances Company, et al. (See Kryzanowsky, Constant J., assignor.)
Mine Safety Appliances Company. (See Punton, Charles W., assignor.)
Mine and Smelter Supply Company, The. (See Webb, Henry F., assignor.)
Miner, Ace. (See Herzon, John S., assignor.)
Miner, Anson W., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Molded insert for compounds. 1,869,162; July 26.
Miner, Anson W., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Making vacuum tube base pins. 1,878,640; Sept. 20.
Miner, Arlow B., Sioux City, Iowa. Container. 1,866,317; July 5.
Miner, Benjamin N., assignor to Miner Super-Safety Gate and Signal System, Inc., St. Louis, Mo. Railway-crossing safety device. 1,856,499; May 3.
Miner, Cecil S. (See Bratton, C. R., and Miner.)
Miner, Charles R., assignor of one-fourth to M. Tambor and one-fourth to S. Powell, San Francisco, Calif. Internal combustion engine. 1,885,853; Nov. 1.
Miner, Claude G., Berkeley, Calif. Producing anhydrous aluminum chloride and nitrogen compounds. 1,875,348; Sept. 6.
Miner, Earl J., Los Angeles, Calif. Pressure or graphic gauge protector. 1,868,018; July 19.
Miner, George A., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last-pulling machine. 1,852,083; Oct. 4.
Miner, George H., assignor to Amusement Machine Corporation, Ltd., Los Angeles, Calif. Playing field for game apparatus. Des. 87,400; July 19.
Miner, Irving O. (See Tompkins, F. N., and Miner.)
Miner, Philip H. (See Robertson, R. N., and Miner.)
Miner Super-Safety Gate and Signal System, Inc. (See Miner, Benjamin N., assignor.)
Miner, W. H., Inc. (See Barthelemy, Paul P., assignor.)
Miner, W. H., Inc. (See Bath, Charles E., assignor.)
Miner, W. H., Inc. (See Dentler, Arnold E., assignor.)
Miner, W. H., Inc. (See Fuchs, Henry, assignor.)
Miner, W. H., Inc. (See Geiger, William A., assignor.)
Miner, W. H., Inc. (See Harris, Joseph, assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Heitner, William A., assignor.)
Miner, W. H., Inc. (See Hveem, John J., assignor.)
Miner, W. H., Inc. (See Johnson, George A., assignor.)
Miner, W. H., Inc. (See Johnson, G. A., and Haseltine, assignors.)
Miner, W. H., Inc. (See Lehman, Edward H., assignor.)
Minerals Increment Company. (See McInerny, R. J., Williams, and Glaze, assignors.)
Mines, Henry M., Liverpool, England. Phosphorescent or luminous masses or compounds. 1,891,827; Dec. 20.
Minett, Wilfrid T. (See Ricks, F., and Minett.)
Minett, Wilfrid T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pounding machine. 1,849,241; Mar. 15.
Minett, Wilfrid T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shuttle for sewing machines. 1,853,812; Oct. 18.
Mingledorff, Walter L., Savannah, Ga. Bark peeling machine. 1,847,971; Mar. 1.
Mingori, César, Paris, France. Machine for bending metal tubes in the cold state. 1,863,693; June 21.
Miniet, Frederick S., Kansas City, Mo., assignor to E. W. Anger, Chicago, Ill. Liquid supply for compressed air systems. 1,884,092; Oct. 25.
Minier, William H., Toledo, Ohio. Traffic signal. 1,856,899; July 12.
Minimax Act.-Ges., the Firm. (See Schurmeyer, Franz, assignor.)
Mining Safety Device Company. (See Merritt, Glenn W., assignor.)
Minkow, Robert, New York, N. Y. Combined adjusting and gauge heads for corner cutting machines. 1,855,370; Nov. 1.
Minnard, Paul, Chittenango, assignor to F. G. Bodell and D. E. Thompson, Syracuse, N. Y. Centrifugal fan. 1,843,088; Jan. 26.
Minneapolis Bedding Company. (See Dobbs, Loyle D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Bear, Paul S., assignor.)
Minneapolis-Honeywell Regulator Company. (See Bogle, John C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Bower, George D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Carlson, Oscar F., assignor.)
Minneapolis-Honeywell Regulator Company. (See Crambiet, Paul K., assignor.)
Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)
Miner, W. H., Inc. (See Lewis, Goodrich Q., assignor.)
Miner, W. H., Inc. (See Link, John H., assignor.)
Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
Miner, W. H., Inc. (See Miner, William H., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Miner, W. H., Inc. (See Schulz, Ernest R., assignor.)
Miner, W. H., Inc. (See Van Dorn, William E., assignor.)
Miner, W. H., Inc. (See Withall, Albert P., assignor.)
Miner, William. (See Scofield, T. J., and Miner.)
Miner, William D. (See Scofield, T. J., and Miner.)
Miner, William H., Chazy, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 1,871,420; Aug. 9.
Miner, William H., Chazy, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,877,354; Sept. 13.
Minerallite Corporation. (See Kirsle, Isidor, assignor.)
Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
Minerals Separation North American Corporation. (See Trotter, William, assignor.)
Minerals Separation North American Corporation. (See Tucker, Stanley, assignor.)
Minneapolis-Honeywell Regulator Company. (See Davis, James O., assignor.)
Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)
Minneapolis-Honeywell Regulator Company. (See Fisher, George H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Gauger, F. A., and Johnson, assignors.)
Minneapolis-Honeywell Regulator Company. (See Hotchkiss, Clifford, assignor.)
Minneapolis-Honeywell Regulator Company. (See Ingersoll, Ward H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Johnson, Roy W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Koch, Lawrence E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Koch, L. E., and Roth, assignors.)
Minneapolis-Honeywell Regulator Company. (See Luthe, Julius K., assignor.)
Minneapolis-Honeywell Regulator Company. (See Mackintosh, William B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Magner, Philip G., assignor.)
Minneapolis-Honeywell Regulator Company. (See McDonnell, E. N., Miller, and Carlson, assignors.)
Minneapolis-Honeywell Regulator Company. (See McNicoll, Andrew G., assignor.)
Minneapolis-Honeywell Regulator Company. (See Parker, Arthur C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Phelan, Louis A. M., assignor.)
Minneapolis-Honeywell Regulator Company. (See Phelan, L. A. M., and Hotchkiss, assignors.)
Minneapolis-Honeywell Regulator Company. (See Shipley, Sylvanus C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
Minneapolis-Honeywell Regulator Company. (See Sladkey, Edwin W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Spahr, Dion G., assignor.)

Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
Minneapolis-Honeywell Regulator Company. (See Turner, John, assignor.)
Minneapolis-Honeywell Regulator Company. (See Warnke, Carl J., assignor.)
Minneapolis-Honeywell Regulator Company. (See Wells, Milton H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Wilson, S. and Folk, Clarence, jr.)
Minneapolis Linen Supply Company. (See Wallmuth, Albert A., assignor.)
Minneapolis Moline Power Implement Company. (See McVicker, Walter J., assignor.)
Minneapolis-Moline Power Implement Company. (See Orelind, Harold L., assignor.)
Minneapolis-Moline Power Implement Company. (See Seaholm, John P., assignor.)
Minnesota Mining & Manufacturing Company. (See Carlton, Richard P., assignor.)
Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
Minnesota Mining & Manufacturing Company. (See Hatch, Lloyd A., assignor.)
Minnesota Mining and Manufacturing Company. (See Wyatt, Ernest B., assignor.)
Minnis, Wesley, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of hydrazines of aniline. 1,844,518; Feb. 9.
Minnium, Byron B., Chicago, Ill., assignor to Stewart-Warner Corporation, Richmond, Va. Transmission system. 1,869,103; May 17.
Mino, Emil, Albany, J. McCann and M. Fischer, Richmond, Calif., and T. D. Radcliffe, Brookville, Pa., assignors to Standard Oil Company of California, San Francisco, Calif., Arc welding electrode. 1,872,320; Aug. 16.
Minor, Edward L., O'Brien, assignor of four-tenths to M. Pridgen and Osceola County, Fla. Device for hulling peas, peeling fruits and vegetables, etc. 1,850,940; Mar. 22.
Minor, Burt S., San Pedro, Calif. Device for controlling pressures in oil wells. 1,889,787; Dec. 6.
Minor Burt S., San Pedro, and W. H. Clapp, Pasadena, Calif. Thrust bearing. 1,871,630; Aug. 16.
Minor, Charles C., Hollywood, Calif. Objective. 1,877,355; Sept. 13.
Minor, Henry R., Cleveland, Ohio, assignor to Liquid Carbonic Corporation, Chicago, Ill. Method and apparatus for producing water from air bags or line like. 1,875,479; Sept. 6.
Minor, Henry R., Ossining, N. Y., assignor to Walter Kidde & Company, Inc., Belville, N. J. Valve. 1,879,397; Sept. 27.
Minor, Victor, Leeton, Mo. Aeroplane. 1,840,594; Jan. 12.
Minorsky, Nicolai, Lansdowne, Pa. Induction compass. 1,840,911; Jan. 12.
Minorsky, Nicolai, Swarthmore, Pa. Stabilizing apparatus. 1,853,069; Apr. 12.
Minotte, Maurice E. H., Paris, assignor to Compagnie de Bethune, Bully Les Mines, France. Preparing nitrogen, carbonic oxide and hydrogen. 1,875,253; Aug. 30.
Minshall, Robert J. (See Monteith, C. N., Minshall, and Sanders.)
Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Ammunition container. 1,845,508; Feb. 16.
Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Retractable landing gear. 1,874,570; Aug. 30.
Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. One piece ring cowl. 1,880,355; Oct. 4.
Minsky, Jerome R., and R. Burnham, Lake Village, Ark. Juice extractor. 1,878,795; Sept. 20.
Mintchell, Howard L. (See Lauterbur, Frank X., E. J., and Mintchell.)
Minters, Barnet S., Great Neck, N. Y. Automatic control device. 1,869,164; June 14.
Mintner, Corban, assignor to St. Louis & O'Fallon Coal Company, St. Louis, Mo. Apparatus for charging retorts. 1,887,034; Nov. 8.
Minto, Wallace M., Jersey City, N. J. Cartridge for firearms. 1,877,773; Sept. 20.
Minton, Calvin J., Cope, Ohio. Tractor hitch for farm implements. 1,876,723; Sept. 13.
Minton, Dessie L., Noel, Mo. Shoe heel protector. 1,855,304; Apr. 26.
Minton, Gustave A., New York, N. Y. Box-easel picture frame. 1,882,157; Oct. 11.
Minton, John P., White Plains, N. Y., assignor to Radio Corporation of America. Loud speaker. 1,855,582; Apr. 26.
Minton, John P., White Plains, N. Y., assignor to Radio Corporation of America. Loud speaker. 1,861,222; May 31.
Minton, John P., White Plains, and A. S. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America. Acoustic device. 1,868,019; July 19.
Minton, John W., assignor of five per cent to G. S. Ray, Mebane, N. C. Bank counter protective device and door or gate latch. 1,888,890; Nov. 22.
Mintz, Benjamin, Brooklyn, N. Y. Temple for spectacles or the like. Des. 86,623; Mar. 29.
Mintz, Issiah, et al. (See Welner, Morris, assignor.)
Minutilli, Frank, Harrisville, R. I. Trap for ice fishing. 1,870,782; Aug. 9.
Minwool Insulating Company, The. (See Russell, Frank C., assignor.)
Miquel, Gabriel, Reims, and F. Ladevèze, Paris, France. Aeroplane. 1,856,578; May 3.
Miquelon, Pantaleon E., Chicago, Ill. Carburetor. 1,860,869; May 31.
Miquelon, Pantaleon E., Chicago, Ill. Carburetor. 1,861,352; May 31.
Miracle Table Corporation. (See Pulaski, Jacob L., assignor.)
Miramontes, Alfonso F., Guadalupe, Mexico. Combination razor and stropping device. 1,843,831; Feb. 2.
Miranda, Juan Da C., Buenos Aires, Argentina. Crankshaft and connecting rod for internal combustion engines. 1,863,667; June 21.
Miranda, Martin A., Middle Village, assignor to Holmes Electric Protective Company, New York, N. Y. Alarm system. 1,881,832; Oct. 11.
Mirfield, George E., Youngstown, Ohio. Gauge for sizing internal threads. 1,879,398; Sept. 27.
Mirfield, George E., Youngstown, Ohio. Indexing means for grinding milling cutters. 1,879,399; Sept. 27.
Mirick, Carlos B., Washington, D. C. Remote control apparatus. 1,879,629; Sept. 27.
Mirick, Carles B., assignor to National Electrical Supply Company, Washington, D. C. Ignition meter. 1,851,947; Mar. 29.
Mirick, Carlos B., assignor to National Electrical Supply Company, Washington, D. C. Antenna reel. 1,856,223; May 3.
Mirick, Carlos B., assignor to National Electrical Supply Company, Washington, D. C. Antenna lead-out insulator. 1,858,336; May 17.
Mirkil, Harold H., Philadelphia, Pa. Block printing machine. 1,881,216; Oct. 4.
Mirmann, Salomon, Le-Leu-La-Foret, France. Manicure set for ladies' hand bags. 1,860,261; May 24.
Mirzejewski, John A., assignor to Kearney & Trecker Corporation, West Allis, Wis. Furnace. 1,863,379; June 14.
Miscampbell, Hugh, Duluth, Minn., assignor, by mesne assignments, to Blue Ox Sawmill Company, Pittsburgh, Pa. Klin. 1,869,705; Aug. 2.
Miscampbell, Hugh, Duluth, Minn., assignor, by mesne assignments, to Blue Ox Sawmill Company, Pittsburgh, Pa. Lime hydrator. 1,877,010; Sept. 13.
Miscera, James J., St. Paul, Minn. Automatic starter for motor vehicles. 1,852,818; Apr. 5.
Mischer, John, Milwaukee, Wis. Measuring instrument. 1,853,134; Apr. 12.
Mischler, H. (See Yell, Ralph A., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, Charles E., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, C. E. and Mason, Swissvale, Pa.
Mishawaka Rubber and Woolen Manufacturing Company. (See Futter, C. J., and Blair, assignors.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Van Dinter, George L., assignor.)
Miskelly, Samuel, Downers Grove, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,880,037; Sept. 27.
Misner, Julius C., Terre Haute, Ind. Filter. 1,876,465; Sept. 6.
Missel, Emma W., West Webster, N. Y. Outlet plug. 1,846,037; Feb. 23.
Mississippi Glass Company. (See Gutmann, Paul F., assignor.)
Missouri Rolling Mill Corporation. (See Hyde, Walter L., assignor.)
Mitar, Marion F., Oakland, Calif. Pants-leg stretcher. 1,881,833; Oct. 11.
Mitchel, Charles F., assignor to Bastian Brothers Company, Rochester, N. Y. Name plate attachment. 1,861,130; May 31.
Mitchel, Edward W., assignor to F. L. McLaughlin Company, Detroit, Mich. Nut and method of fabrication and assembly. 1,852,978; Apr. 5.
Mitchell, Albert E., Stamford, Conn. Portable mortise and tenon machine. 1,863,605; June 21.
Mitchell, Allister S., Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Stuffing-relieving process and apparatus. 1,867,167; July 12. Oct. 11.
Mitchell, August, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Flashlight. Des. 86,734; Apr. 12.
Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,855,583; Apr. 26.
Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for jars and the like. 1,867,167; July 12. Oct. 11.
Mitchell, August, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Portable battery lamp. 1,889,788; Dec. 6.
Mitchell, Benjamin A. (See Kyle, G. R., and Mitchell.)
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, Courtney N., Cleveland Heights, Ohio. Apparatus for welding tubing. 1,863,313; June 14.
Mitchell, Courtney N., Cleveland, Ohio. Shock absorber. 1,864,845; June 28.

Mitchell, Courtney N., assignor to The Cleveland Door Check & Manufacturing Company, Cleveland, Ohio. Hydraulic check. Re18,569; Mar. 22.

Mitchell, Curtis P. (See Palmer, Charles R., assignor.)

Mitchell, Doren, New York, N. Y., assignor to American Telephone and Telegraph Company. Equalization of power level in a signal transmitting system. 1,853,070; Apr. 12.

Mitchell, Ernest R., Philadelphia, assignor of two-fifths to J. Cisar, Penfield, and one-fifth to J. Epstein and S. Fisher, Philadelphia, Pa. Floating keeper for lock and latch. 1,856,486; May 3.

Mitchell, Eures. (See Forbes, H. W., and Mitchell.)

Mitchell, Floyd C., Stockton, assignor to Sunset Motor Company, Sacramento, Calif. Friction drive transmission. 1,852,360; Apr. 5.

Mitchell, Frank A. (See Forse, W. T., and Mitchell.)

Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound reproducer. 1,853,167; Apr. 12.

Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Talking machine and the like. 1,862,700; June 14.

Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Electromagnetic device. 1,889,000; Nov. 29.

Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film movement. 1,849,889; Mar. 15.

Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film movement. 1,850,411; Mar. 22.

Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film movement. 1,851,400; Mar. 29.

Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Photographic printing. 1,875,751; Sept. 6.

Mitchell, George A., assignor to Mitchell Camera Corporation, West Hollywood, Calif. Cradle mounting for camera tilting heads. 1,889,260; Nov. 29.

Mitchell, George L., assignor to The Coca-Cola Company, Atlanta, Ga. Interior inspection device. 1,874,571; Aug. 30.

Mitchell, George W., Norwalk, G. O. Shisler, East San Gabriel, and E. E. Myers, Belvedere Gardens, Calif. Boring tool. 1,856,751; May 3.

Mitchell, H. Alton, and A. W. Gregg, assignors to The Bonney-Floyd Company, Columbus, Ohio. Wear resisting ferrous alloy. 1,876,272; Sept. 13.

Mitchell, H. Alton, and A. W. Gregg, assignors to The Bonney-Floyd Company, Columbus, Ohio. Ferrous alloy. 1,876,725; Sept. 13.

Mitchell, H. Alton, A. W. Gregg, and R. H. Frank, assignors to The Bonney-Floyd Company, Columbus, Ohio. Nonscaling steel alloy. 1,892,616; Dec. 27.

Mitchell, Harry A., assignor to Terminal Products Co. Inc., New York, N. Y. Electric water heater. Des. 86,818; Apr. 19.

Mitchell, Harry L. (See Jauch, R. J., and Mitchell.)

Mitchell, Henry A., Wooler, Ontario, Canada. Electric fuel warmer for internal combustion engines. 1,875,176; Aug. 30.

Mitchell, Henry E., Buffalo, assignor to Semet-Solvay Company, New York, N. Y. Regenerative coke oven and operating the same. 1,878,972; Sept. 20.

Mitchell, Herbert E., and R. C. Shepherd, High Point, N. C. Blank creasing and folding machine. 1,841,755; Jan. 19.

Mitchell, Howard C. (See Gibson, G. H., and Mitchell.)

Mitchell, Howard C. (See Wagner, F., and Mitchell.)

Mitchell, Jack J., St. Petersburg, Fla. Ice tray. 1,819,400; Sept. 27.

Mitchell, James G., Belfast, Northern Ireland. Spring hinge. 1,866,218; July 5.

Mitchell, James M., Flushing, N. Y. Automatic settling tank. 1,848,023; Mar. 1.

Mitchell, James M., Flushing, N. Y. Apparatus for reducing rock and other mineral substances. 1,861,315; May 31.

Mitchell, James M., Flushing, N. Y. Valve structure. 1,873,138; Aug. 23.

Mitchell, James R., Montpelier, Vt. Emery or abrading wheel. 1,890,401; Dec. 6.

Mitchell, Jethro, Cincinnati, Ohio, assignor to Moeschl-Edwards Corrugating Company, Inc., Covington, Ky. Door. 1,872,462; Aug. 16.

Mitchell, John C., Bloomfield, assignor to Lock Joint Pipe Company, Ampere, N. J. Pipe joint. 1,856,580; May 3.

Mitchell, John C., Bloomfield, assignor to Lock Joint Pipe Company, Ampere, N. J. Pipe joint. 1,856,581; May 3.

Mitchell, John E., Dallas, Tex. Cleaning cotton. 1,886,713; Nov. 8.

Mitchell, John E., Dallas, Tex. Cotton threshing cylinder. 1,887,562; Nov. 15.

Mitchell, John E. and O., Dallas, Tex. Cylinder for use in cotton cleaning machines. 1,851,519; Mar. 29.

Mitchell, John F., New York, N. Y. Transmitter cut out switch. 1,881,834; Oct. 11.

Mitchell, John H. (See Kremko, Daniel, assignor.)

Mitchell, John K., Villanova, Pa., assignor to Dispersions Process, Inc., Dover, Del. Purifying bodies insoluble in water. 1,880,968; Oct. 4.

Mitchell, John R., Trenton, N. J. Base for thread packages. 1,862,234; June 7.

Mitchell, Joseph, Seattle, Wash. Smoke cleaning device. 1,881,058; Oct. 4.

Mitchell, Joseph A. M. W. (See Holt, F., and Mitchell.)

Mitchell, Leslie L. (See Groehn, O. J., Mitchell, and McCurley.)

Mitchell Manufacturing Co. (See Blink, Peter, assignor.)

Mitchell, Mark D., Independence, Kans. Torpedo for shooting oil wells. 1,865,874; July 5.

Mitchell, Marshall G., Louisville, Miss. Cultivator. 1,855,065; Apr. 19.

Mitchell, Maxim, assignor to Geoffrey D. Baker, Wilton, N. H. Curtain rod threading device. 1,881,835; Oct. 11.

Mitchell, Melville J. (See Johnston, E. A., and Mitchell.)

Mitchell, Melville J., Chicago, Ill., assignor to International Harvester Company. Iron conveyer belt and connecter. 1,846,431; Feb. 23.

Mitchell & Murrow. (See Murrow, William R., assignor.)

Mitchell, Ormah R., assignor to American Steel Foundries, Chicago, Ill. Slack adjuster. 1,844,134; Feb. 9.

Mitchell, Orville. (See Mitchell, John E. and O.)

Mitchell, Orville, Dallas, Tex. Metal feeding roller. 1,840,049; Jan. 5.

Mitchell, Orville, Dallas, Tex. Saw band. 1,852,851; Apr. 5.

Mitchell, Orville, Dallas, Tex. Mechanical cotton distributor. 1,888,237; Nov. 22.

Mitchell, Orville, Dallas, Tex., assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Ball bearing assembly and housing therefor. 1,875,097; Aug. 30.

Mitchell, Peter, Winnipeg, Manitoba, Canada. Ring fracturing machine. 1,874,786; Aug. 30.

Mitchell, Ralph A., Edgeworth, Pa., assignor to Pittsburgh Forgings Company. Making cupped forgings. 1,886,210; Nov. 1.

Mitchell, Robert, Detroit, Mich. Fastener. 1,850,119; Mar. 22.

Mitchell, Robert, Detroit, Mich. Clinch-on nut. 1,881,836; Oct. 11.

Mitchell, Robert, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener construction. 1,870,061; Aug. 2.

Mitchell, Robert, Company, Limited, The. (See Taylor, Harold V., assignor.)

Mitchell, Rollie H., South Gate, and J. A. Vaughn, assignors to Killefer Manufacturing Corporation, Ltd., Los Angeles, Calif. Power lift. 1,886,511; Nov. 22.

Mitchell, Rowland B., assignor to Athol Manufacturing Company, Athol, Mass. Removing diphenylamine from nitrocellulose powder. 1,876,726; Sept. 13.

Mitchell, Thomas W., Brussels, Ontario, Canada. Adjustable headrest. 1,869,765; Aug. 2.

Mitchell, Walter. (See Pickard, J. A., Rogers, and Mitchell.)

Mitchell, Walter H., Louisville, Ky. Safety device for boilers. 1,849,200; Mar. 15.

Mitchell, Walter H., Long Beach, Calif. Brake linkage. 1,887,845; Nov. 15.

Mitchell, Willard E., Great Falls, Mont., assignor to Anaconda Copper Mining Company. Removing germanium from zinc sulphate solutions. 1,848,264; Mar. 8.

Mitchell, William J., San Francisco, Calif. Rig for rotary drills. 1,867,600; July 12.

Mitchell, William J., San Francisco, Calif. Drilling rig. 1,881,413; Oct. 4.

Mitchell, William K., Yonkers, N. Y. Teapot. 1,886,415; Nov. 8.

Mitskoff, Samuel, Des Moines, Iowa. Gambrel. 1,866,900; July 12.

Mitsuda, Ryotaro, Tokyo, Japan. High voltage mercury arrester. 1,887,874; Nov. 15.

Mitsubishi Zosen Kabushiki Kaisha. (See Iytaka, Ityro, assignor.)

Mitsui Mining Co., Ltd. (See Tatsumi, Y., Ikebe, and Okazaki, assignors.)

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,864,364; June 21.

Mittag, Carl, Magdeburg, assignor to Fried-Krupp Grusonwerk, A. G., Magdeburg-Buckau, Germany. Apparatus for cooling loose material. 1,844,782; Feb. 9.

Mittasch, Alwin, Mannheim, R. Wietzel, Ludwigshafen-on-Rhine, and C. Pfaundler, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Prevention of the formation of carbon in operations carried out with hydrocarbons at an elevated temperature. 1,847,095; Mar. 1.

Mittasch, Alwin, and R. Lucas, Mannheim, and R. Griesbach, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Making finely divided metal oxides. 1,850,286; Mar. 22.

Mittasch, Alwin, Mannheim, W. Frankenburger, and F. Winkler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of liquid hydrocarbons of low boiling point from olefines. 1,884,093; Oct. 25.

Mitteau, Ferdinand, Villemomble, France, assignor to Société d' Etudes Scientifiques et d' Entreprises Industrielles, Ougree, Belgium. Manufacture of microcosmic salt and other fertilizing material. 1,859,835; May 24.

Mittell, Brenchley E. G., Iver, Buckinghamshire, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Recording of sound. 1,855,981; Apr. 26.

Mittelman, Samuel J. (See Feldman, J., and Mittelman.)

Mittelstadt, Roy L. (See Prosser, T. W., Wahlbeck, and Mittelstadt.)

Mittelstaedt, Alfred, Brooklyn, N. Y. Motor vehicle. Des. 86,042; Jan. 19.

Mittelstaedt, Georgge S., Brooklyn, N. Y. Compressed air propulsion means. 1,852,086; Apr. 5.

Mittelsteiner, Erich, Welzow, Germany. Measuring water content of coal. 1,858,409; May 17.

Mitterer, Albert R. (See Rorrer, C. E., and Mitterer.)

Mittnacht, Josef, Berlin, Germany, assignor to General Electric Company. System of control. 1,849,847; Mar. 15.

Mitton, William E., New London, Wis., assignor to The Borden Company, New York, N. Y. Apparatus for taking samples of milk. 1,873,010; Aug. 23.

Mitzi, Josef, Melvindale, Mich. Motor supporting arrangement. 1,845,551; Feb. 16.

Mitzlaff, Georg, Mannheim, Germany, assignor to Aktiengesellschaft, Brown Boveri & Cie., Baden, Switzerland. Regulation of ship-propulsion systems. 1,861,750; June 7.

Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Garter. Des. 86,533; Mar. 15.

Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 86,682; Apr. 5.

Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Garter. 1,847,776; Mar. 1.

Mix, Edwin S., assignor to Hickok Manufacturing Co., Inc., Rochester, N. Y. Elastic metal band for wearing apparel. 1,851,106; Mar. 29.

Mix, Edwin S., Rochester, N. Y. Shirt holddown attachment for suspenders. 1,888,931; Nov. 22.

Mix, Edwin S., Rochester, N. Y. Shirt holddown attachment for suspenders. 1,888,932; Nov. 22.

Mix, Frederick H., Brooklyn, N. Y., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Device for dispensing pencils. 1,853,071; Apr. 12.

Mix, Frederick H., Brooklyn, N. Y., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Box. 1,881,211; Nov. 1.

Miyata, Risbiro, Ichino-Machi, Sakai, Osaka-Fu, Japan. Device for the warp stop motion. 1,872,784; Aug. 23.

Mizener, Logan A., Wilmette, assignor to Chicago Mill and Lumber Corporation, Chicago, Ill. Printing or graining. 1,888,864; Nov. 22.

Mjaaland, George W., and L. M. Graves, Memphis, Tenn.; said Mjaaland assignor to said Graves. Lavatory. 1,855,586; Apr. 26.

Mjorud, John P., Petersburg, Alaska. Waterproofing compound. 1,855,305; Apr. 26.

Mnookin, Nathan M. (See Patrick, Joseph C., assignor.)

Mnookin, Nathan M., (See Patrick, J. C., and Mnookin.)

Mnookin, Nathan M., assignor of one-half to J. C. Patrick, Kansas City, Mo. Plastic. 1,854,480; Apr. 19.

Moats, DeWitt T., assignor to The R. L. Auld Company, Columbus, Ohio. Steering gear machine. 1,881,837; Oct. 11.

Mobley, Roy H., Baltimore, and A. M. Fort, Catonsville, Md., and V. J. Haddaway, Wyoming, Del. Mixing and applying insulating material. 1,849,945; Mar. 15.

Mochalle, Paul, Durrjentsch, and J. Mrochem, Breslau, Germany. Concentrated sulphur suspension and making same. 1,863,715; July 26.

Mock, Charles F., Toledo, Oreg. Saw set. 1,867,520; July 12.

Mock, Frank C., East Orange, N. J., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Airplane carburetor. Re18,520; July 12.

Mock, Frank C., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Airplane carburetor. 1,871,460; Aug. 16.

Mock, Frank C., C. J. Gustafson and M. E. Chandle-, Chicago, Ill., assignors to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,872,490; Aug. 16.

Mock, Frank C., C. J. Gustafson, and M. E. Chandler, assignors to Bendix Stromberg Carburetor Company, Chicago, Ill. Carburetor. 1,872,786; Aug. 23.

Mock, Hugo. (See Koze, Carl, assignor.)

Mock, James C., Detroit, Mich. Railway switch point to switch box connecting means. 1,877,524; Sept. 13.

Mock, Judson, Vochringer Company, Inc. (See Margerison, A. E., and Hahn, assignors.)

Model Brassiere Co. (See Edelmann, Otto J., assignor.)

Model Brassiere Co. (See Rose, Harold D., assignor.)

Model Brassiere Co. Inc. (See Rose, Harold D., assignor.)

Modern Coal Burner Company. (See Leach, Vernon G., assignor.)

Modern Concrete Development Company. (See Knipe, Arthur C., assignor.)

Modern Equipment Company. (See Goldberg, Max W., assignor.)

Modern Specialties Company. (See Brunner, Earle M., assignor.)

Modersohn, Fritz, Bergisch-Gladbach, near Cologne-on-the-Rhine, assignor to Motorenfabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Precombustion chamber for airless injection oil engines. 1,845,620; Feb. 16.

Modglin, Sheldon A., assignor of one-half to G. M. Collins, San Francisco, Calif. Electric surfacer. 1,873,011; Aug. 23.

Modin, Ben C., Brooklyn, N. Y. Propeller guard. 1,869,977; Aug. 2.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Condensing apparatus. 1,844,671; Feb. 9.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Air conditioning device. 1,848,537; Mar. 8.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,849,946; Mar. 15.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange apparatus. 1,851,720; Mar. 29.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 1,853,314; Apr. 12.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 1,853,315; Apr. 12.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 1,854,213; Apr. 19.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Air conditioning apparatus. 1,856,500; May 3.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Air heating unit. 1,856,924; May 3.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Wall radiator. 1,856,925; May 3.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating unit. 1,858,839; May 17.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating device. 1,861,812; June 7.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange unit. 1,865,536; July 5.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating device. 1,866,122; July 5.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,872,785; Aug. 23.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Automobile heating and ventilating apparatus. 1,875,037; Sept. 6.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 1,875,638; Sept. 6.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,875,639; Sept. 6.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Air heater. 1,877,011; Sept. 13.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 1,877,012; Sept. 13.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange apparatus. 1,884,094; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,884,095; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating device. 1,884,096; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,884,097; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Cast heat exchange device. 1,884,098; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,884,099; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 1,884,100; Oct. 25.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 1,885,371; Nov. 1.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating device. 1,885,751; Nov. 1.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 1,886,292; Nov. 1.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating appliance. 1,886,894; Nov. 8.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Vehicle heater and heat control device. 1,887,035; Nov. 8.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator fin. 1,887,036; Nov. 8.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Combined radiator cover and seat. 1,859,370; Nov. 29.
Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
Modine Manufacturing Company. (See Wermich, Otto M., assignor.)
Modra, William, and A. W. Meier, St. Louis, Mo. Siphon pump. 1,842,043; Jan. 19.
Moe, Andrew O., Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Fruit washing apparatus. 1,864,900; June 21.
Moe, Andrew O., Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Sorting and packing fruit. 1,884,101; Nov. 29.
Moe, Edward E., Omaha, Nebr. Air vehicle. 1,859,044; May 17.
Moe, Edward E., Omaha, Nebr. Airplane catapult. 1,892,357; Dec. 27.
Moebes, August, and J. J. Hoffman, Visalia, Calif. Inner tube tester. 1,854,596; Apr. 19.
Moeckel, Clarence S., assignor to Southern Spring Bed Company, Atlanta, Ga. Sofa bed. 1,871,817; Aug. 16.
Moeller, Albert. (See Cornwell, V. O., Middendorf, and Moeller.)
Moeller, Benjamin A., Palos Verdes Estates, Calif. Foam distributing means. 1,889,101; Nov. 29.
Moeller, Lowell J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for distributing parts. 1,839490; Jan. 5.
Moeller, Robert H. (See Sachsenmaier, E. W., and Moeller.)
Moeller, William A., Los Angeles, Calif. Folding bed. 1,852,355; Apr. 5.
Moeller, William J. (See Dom, D. A., and Moeller.)
Moeller, William J. (See Leshner, N., and Moeller.)
Moeller, Edward D. M. Bates, Lansing, Mich. Ladder bracket for paint pots. 1,862,701; June 14.
Moen, George E., Kelso, Wash. Pilot support for reamers. 1,859,836; May 24.
Moen, George E., Kelso, Wash. Reamer shaft holder and feeder. 1,859,837; May 24.
Moenler, Otto J., Bloomfield, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Extensible supporting apparatus. 1,852,785; Apr. 5.
Moeri, Roger, St. Imier, Switzerland. Watch movement. 1,846,552; Feb. 16.
Moeschl-Edwards Corrugating Company. (See Mitchell, Jethro, assignor.)
Moesser, Hugo, New York, N. Y. Automatic faucet closer for bath tubs. 1,884,102; Oct. 25.
Moessner, Gertrude, assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Heating pad or similar article. Des. 86,326; Feb. 23.
Moff, Herbert R., Amherst, assignor to The Fox Furnace Company, Elyria, Ohio. Heating apparatus. 1,851,962; May 29.
Moffat, David W. (See Burke, John W., assignor.)
Moffat, John B., Bronxville, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 87,643; Aug. 23.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Cross thread laying mechanism for sewing machines. 1,855,234; Apr. 26.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,863,932; June 21.
Moffett, Frank E. (See Sewrey, U. R., and Moffett.)
Mogford, Edmund C., Buchanan, and F. W. Burger, Niles, assignors to Clark Equipment Company, Buchanan, Mich. Metal wheel. 1,854,416; Apr. 19.
Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Making a front axle. 1,873,453; Aug. 23.
Mogliner, George S., Los Angeles, Calif. Fuse block for automobiles. 1,863,932; June 21.
Mogridge, Bertie D. L., Ilfracombe, England, assignor to Radio Corporation of America. Cooling thermionic valves. 1,874,787; Aug. 30.
Mohawk Asphalt Heater Company. (See Van Vorst, John, assignor.)
Mohawk Carpet Mills, Inc. (See Crawford, John, assignor.)
Moher, Patrick V. (See Holland, A., and Moher.)
Mohler, Arthur L., assignor to Hercules Powder Company, Wilmington, Del. Producing hydrated metal nitrates. 1,844,862; Feb. 9.
Mohler, Francis, Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,852,819; Apr. 5.
Mohler, Valentine J., Wheaton, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling and crowning machine. 1,882,860; Oct. 18.
Mohns, Alfred R., Newark, N. J. Woodworking tool. 1,892,496; Dec. 27.
Mohr, Alexander Company. (See Mohr, William H., assignor.)
Mohr, Annemarie. (See Mohr, John K., assignor.)
Mohr, Charles L., Wilmette, Ill. Slug profiling machine. 1,856,108; May 3.
Mohr, Edward C., Preston, Iowa. Hog watering device. 1,881,838; Oct. 11.
Mohr, Georg. (See Paschen, P., and Mohr.)
Mohr, John K., assignor to A. Mohr, Bay City, Mich. Ventilator. 1,851,286; Mar. 29.
Mohr, John, & Sons. (See Mohr, Joseph S., assignor.)
Mohr, John, & Sons. (See Mohr, J. S., and Born, assignors.)
Mohr, Joseph S., assignor to John Mohr & Sons, Chicago, Ill. Strainer. 1,886,893; Nov. 8.
Mohr, Joseph S., and W. C. Born, assignors to John Mohr & Sons, Chicago, Ill. Hot metal mixer. 1,850,330; Mar. 22.
Mohr, Karl, Kiel, and W. Heydemann, Kiel-Dietrichsdorf, assignors to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Scavenging two-stroke cycle internal combustion engine. 1,859,515; Jan. 5.
Mohr, Otto, Wiesbaden, Germany. Purification of waste aqueous liquor. 1,855,982; Apr. 26.
Mohr, Walter W., Chicago, Ill., assignor to The Edward Valve and Manufacturing Company, East Chicago, Ind. Plug valve. 1,848,369; Mar. 8.
Mohr, Walter W., Chicago, Ill., assignor to The Edward Valve and Manufacturing Company, East Chicago, Ind. Forged steel valve. 1,878,288; Sept. 20.
Mohr, Walter W., Chicago, Ill., assignor to The Edward Valve and Manufacturing Company, East Chicago, Ind. Gate valve. 1,882,227; Oct. 11.
Mohr, William H., assignor to Alexander Mohr Company, Inc., Chicago, Ill. Strip guide for golf clubs. 1,843,039; Jan. 26.
Möhring, Albert, and G. Schultze, Elberfeld, and P. Schlack, Berlin-Karlshorst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Compositions consisting of woolen fibers and artificial threads. 1,860,473; May 31.
Möhrle, Artur, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Starting cartridge. 1,877,930; Sept. 20.
Moineau, René J. L., Paris, France. Gear mechanism. 1,892,217; Dec. 27.
Moir, Alexander S., Stirling, Scotland. Agricultural reaping machine. 1,888,210; Nov. 22.
Moittié, Lucien D. O., Neuilly-sur-Seine, assignor to Societe Anonyme des Etablissements Reyneson & Cie., Levallois-Perret, France. Shock absorber. 1,840,462; Jan. 12.
Mojonnier Bros. Co. (See Mojonnier, Harry G., assignor.)
Mojonnier Bros. Co. (See Mojonnier, Julius J., assignor.)
Mojonnier Bros. Co. (See Mojonnier, Oliver W., assignor.)
Mojonnier, Harry G., Chicago, Ill., assignor to Mojonnier Bros. Co. Liquid treating apparatus. 1,873,588; Aug. 23.
Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co. Feeder for cups and the like. 1,849,148; Mar. 15.
Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co. Selecting conveyer. 1,871,902; Aug. 16.
Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co. Conveyer stop mechanism. 1,882,435; Oct. 11.
Mojonnier, Julius J., Oak Forest, Ill., assignor to Mojonnier Bros. Co. Case conveyer and associated control mechanism. 1,882,436; Oct. 11.
Mojonnier, Oliver W., River Forest, Ill., assignor to Mojonnier Bros. Co. Chain manufacture. 1,873,619; Aug. 23.
Moldenhauer, Erich, Dusseldorf, Germany. Change speed gearing. 1,861,931; June 7.
Moldenhauer, Frieda, Watertown, Wis. Curtain stretcher. 1,877,356; Sept. 13.
Moldovan, George, Meadow Lands, and S. Németh, Washington, Pa. Sugar dispensing container. 1,857,734; May 10.
Mole, Peter. (See Richardson, E. C., and Mole.)
Mole, Richardson, Inc. (See Richardson, E. C., and Mole, assignors.)
Moler, Abraham L., assignor of one-half to J. W. Small, Richmond, Va. Grease cellar. 1,888,512; Nov. 22.
Moler, Harry A., Detroit, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. Safety zone. 1,870,638; Aug. 9.
Moles, Ausby H. (See Oldacre A. L., assignors.)
Moles, Frank J., Schenectady, N. Y., assignor to General Electric Company. Oscillation generator. 1,851,721; Mar. 29.
Moline Tool Company. (See Reller, O. R., and Hallene, assignors.)
Molins, Desmond W., Longwood, Bexley, England. Cigarette machine. 1,867,463; July 12.
Molins, Desmond W., Deptford, London, assignor to The Molins Machine Company, Ltd., London, England. Carton and container for cigarettes and like articles. 1,892,111; Dec. 27.
Molins Machine Company, The. (See Molins, Desmond W., assignor.)
Molins Machine Company. (See Ruau, Felix F., assignor.)
Molins, Walter E., Deptford, London, England. Cigarette container. 1,842,727; Jan. 26.
Molins, Walter E., Deptford, London, England. Carton for cigarettes and like articles. 1,842,728; Jan. 26.
Molins, Walter E., Deptford, London, England. Cigarette making machinery. 1,860,197; May 24.
Molins, Walter E., Deptford, London, England. Carton for cigarettes and like articles. 1,867,949; July 19.
Molins, Walter E., Deptford, London, England. Packing machinery. 1,872,090; Aug. 16.

Molins, Walter E., Deptford, London, England. Cigarette making machine. 1,873,779; Aug. 23.
Molins, Walter E., Deptford, London, England. Cigarette container. 1,875,196; Aug. 30.
Molins, Walter E., Deptford, London, England. Carton for cigarettes and like articles. 1,875,197; Aug. 30.
Molins, Walter E., Deptford, London, England. Packet making machine. 1,890,652; Dec. 13.
Molins, Walter E., Deptford, London, England. Cigarette packing machinery. 1,890,653; Dec. 13.
Molins, Walter E., London, England. Packing machinery. 1,853,447; Apr. 12.
Molins, Walter E., London, England. Package for cigarettes and like articles. 1,864,925; June 28.
Molitor, Carl S., Dobbs Ferry, N. Y., Apparatus for the delivery of materials. 1,885,533; Nov. 1.
Molitor, Charles B. J., Forest Hills, N. Y., assignor to Thomas Wilson & Co. Inc., New York, N. Y. Lace. Des. 87,672; Aug. 30.
Molitor, Charles B. J., Forest Hills, assignor to Thomas Wilson & Co. Inc., New York, N. Y. Lace. Des. 87,728; Sept. 6.
Molitor, Eugene N., St. Paul, Minn. Tree protector. 1,879,813; Sept. 27.
Molkenthin, Joseph, jr., Glen Ridge, N. J., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 1,869,327; July 26.
Moll, Edwin, Portland, Oreg. Power driven mechanic's hand tool. 1,883,392; Oct. 18.
Moll, Emil A., Maspeth, assignor to Carman & Co., Inc., New York, N. Y. Envelope for laundered articles. 1,867,556; July 19.
Moll, Hermann, Neuwied-Rasselstein, Germany. Reversing valve. 1,849,242; Mar. 15.
Moll, Walter, assignor to Moosier Lamp and Stamping Corporation, Evansville, Ind. Catch for oven doors. 1,865,321; June 28.
Moll, Wilhelm K., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph machine. 1,861,188; May 31.
Mollen, Martin J., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Eccentric for shaking mechanism. 1,856,777; May 3.
Moller, Emil R. (See Moller, George A., assignor.
Moller, Fritz, Duisburg, Germany. Rolling mill. 1,878,595; Sept. 20.
Moller, George A., assignor of one-half to E. R. Moller, Chicago, Ill. Knife sharpener. 1,853,020; Mar. 29.
Möller, Jacob A. L., New York, N. Y. Equalizer rod. 1,853,569; Apr. 12.
Moller, R. E. (See Callard, R. P., and Moller.)
Möller, Rolf, Hamburg, Germany, assignor to General Electric Company, Liquid purification for Kerr cells. 1,866,317; July 12.
Molter, Samuel J., Massillon, Ohio. Printing press. 1,867,859; July 19.
Molter, Samuel J., Massillon, Ohio. Printing press. 1,867,860; July 19.
Molter, Samuel J., Massillon, Ohio. Printing cylinder. 1,867,861; July 19.
Molling, John P. (See Witke, A., Huetten, Rosemann, Molling, and Martell.)
Molloy, David J., Company. (See Persons, Ernest L., assignor.)
Molloy, James E. (See Schindoski, Ferdenand G., assignor.)
Molnar, John J., Bridgeport, Conn. Imitation brick construction. 1,840,244; Jan. 5.
Molner, Harry C., Pitcairn, Pa. Garment hanger. 1,858,137; Nov. 15.
Molner, Herman, Chicago, Ill. Frame. 1,892,492; Dec. 27.
Moloney Electric Company. (See Finnegan, Richard A., assignor.)
Molony, Donald P., assignor to Marvel Carbureter Company, Flint, Mich. Automatic choke heating control for internal combustion engines. 1,844,041; Feb. 9.
Molony, Donald P., assignor to Marvel Carbureter Company, Flint, Mich. Intake manifolding for multiple cylinder internal combustion engines. 1,871,818; Aug. 16.
Molt, Albert H. (See Butterworth, H. W., jr., and Molt.)
Molter, Clarence B. (See Haller, F. E., and Molter.)
Molybdenum Corporation of America. (See Sessions, Royal L., assignor.)
Momberger, William G., assignor to Ammidon and Company, Baltimore, Md. Sheet metal spoon. 1,868,426; July 19.
Momm, Albert, Irvington, N. J., assignor to August Goertz & Co., Inc. Snap fastener. 1,890,912; Dec. 13.
Mommaerts, Henry D., assignor to N. V. Norit-Vereeniging Verkoop Centrale, Amsterdam, Netherlands. Manufacture of highly activated adsorptive carbons. 1,849,503; Mar. 15.
Mon, Joseph F. (See Pannier, William J., jr., and O. M., and Mon.)
Mon, Pete, Winnemucca, Nev. Duplex pen. 1,878,879; Sept. 20.
Monaco, John, East Orange, N. J. Signal light casing. Des. 87,590; Aug. 16.
Monaco, Louis P., San Mateo, Calif. Exercising device. 1,879,401; Sept. 27.
Monahan, Earl, Hyannis, Nebr. Hand tool. 1,879,402; Sept. 27.
Monahan, R. H. (See Auger, Joseph T., assignor.)
Monar, Fred B. (See La Hache, S. L., and Monar.)
Monarch, Arthur M., Brooklyn, N. Y. Closure for containers. 1,880,022; Sept. 27.
Monarch Door Controller Company Limited, The. (See Russell, Frederick V., assignor.)
Monarch Manufacturing Works, Inc. (See Murphy, T. W., and Czarnecki, assignors.)
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Monarch Metal Weatherstrip Corporation. (See Lane, Alfred M., assignor.)
Monarch Oil Well Air Drill Co. Ltd. (See Yungling, Paul, assignor.)
Monarch Tool & Manufacturing Company, The. (See Hill, Louis M., assignor.)
Monard, Alfred, Paris, assignor to Ateliers de Constructions Mecaniques, L'Avenir, Ivry-sur-Seine, France. Meter for measuring quantities of liquid. 1,854,054; Apr. 12.
Monckmeier, Gustav C., Chicago, Ill. Wear compensating bolt. 1,859,045; May 17.
Moncrieff, Alistar H. D., Westminster, London, and J. Shearman, Hampstead, London, assignors to Karrier Motors Limited, Huddersfield, England. Road and rail transport. 1,863,575; June 21.
Mondray, Leonard M., Chicago, Ill., assignor, by mesne assignments, to The Cardel Company, Inc., Chester, Pa. Temporary governor. 1,854,662; Apr. 19.
Moness, Eugene. (See Christiansen, W. G., and Moness.)
Monett, Chauncey D., San Francisco, Calif. Money sterilizer. 1,885,278; Nov. 1.
Monet, Edward T. (See Fox, Ray M., assignor.)
Monforts, A. (See Monforts, J., and Wirtz, assignors.)
Monforts, Joseph, and F. Wirtz, assignors to A. Monforts, Munchen-Gladbach, Germany. Fabric doubling machine. 1,857,735; May 10.
Monforts, Joseph, and F. Wirtz, assignors to A. Monforts, Munchen-Gladbach, Germany. Cloth doubling machine. 1,865,945; July 5.
Mong, George L. W. (See Walker, Ed. H., and Mong.)
Mongere, Charles. (See Beatty, H., and Mongere.)
Mongiardino, Joseph F., and W. J. Turner, London, England. Carburetor. 1,847,130; Mar. 1.
Mongillo, Peter. (See Grillo, T., and Mongillo.)
Monlesin, Elsie B., now by marriage Elsa B. Walker, Seattle, Wash. Illuminating apparatus for display purposes. 1,871,073; Aug. 9.
Monnier, Philip W. (See Ballem, Henry J., assignor.)
Monitor Controller Company. (See Whittingham, George H., assignor.)
Monk, Nora. (See Monk, Sidney J., assignor.)
Monk, Reginald H., and L. Firing, Montreal, Quebec, Canada. Production of titanates. 1,856,351; May 3.
Monk, Sidney J., assignor to Nora Monk, Washington, D. C. Illuminating means. 1,885,579; Nov. 1.
Monks, John H., Philadelphia, Pa. Window sash curtain and panel adjuster. 1,845,886; Feb. 16.
Monmouth Products Company, The. (See Salzman, George S., assignor.)
Monnell, Joseph, et al. (See Hewitt, William H., assignor.)
Mono Containers Limited. (See Crossby, William E. J., assignor.)
Mono Containers Limited. (See Royle, J. S., and Mellor, assignors.)
Monoghan, Frank J., Perth Amboy, N. J. Arch supporter. 1,877,525; Sept. 13.
Monogram Lens Corporation. (See Arbuckle, Samuel F., assignor.)
Monomelt Company, The. (See Johancen, T., and Kehoe, assignors.)
Monomelt Company, The. (See Orlander, Leonard G., assignor.)
Monosmith, Leroy B., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Producing metal working tools. 1,867,021; July 12.
Monowatt, Electric Corporation, The. (See Benander, George B., assignor.)
Monowatt, Electric Corporation, The. (See Clemence, Elliott, assignor.)
Monowatt Electric Corporation, The. (See Sadacca, Henry, assignor.)
Monro, Donald A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Fractionating system. 1,871,819; Aug. 16.
Monro, Randolph, Edgewood, Md. Respiratory valve. 1,853,373; Apr. 12.
Monroe Auto Equipment Company. (See Nickelsen, John M., assignor.)
Monroe Calculating Machine Company. (See Bricken, John, assignor.)
Monroe Calculating Machine Company. (See Britten, Edwin F., jr., assignor.)
Monroe Calculating Machine Company. (See Brown, Lee R., assignor.)
Monroe Calculating Machine Company. (See Brown, L. R., and Overbury, assignors.)
Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Monroe Calculating Machine Company. (See Chase, G. C., and Brown, assignors.)
Monroe Calculating Machine Company. (See Chase, G. C., and Schweitzer, assignors.)

Monroe Calculating Machine Company. (See Enders, Hugo, assignor.)
Monroe Calculating Machine Company. (See Enders, Hugo E., assignor.)
Monroe Calculating Machine Company. (See Lilly, Mark R., assignor.)
Monroe Calculating Machine Company. (See Walter, Edward C., assignor.)
Monroe, Charles H., Berkeley, Calif. Internal combustion engine. 1,849,149; Mar. 15.
Monroe, Charles H., Berkeley, Calif. Variable pitch propeller. 1,847,319; May 10.
Monroe, Frederick W., Atlantic City, N. J., assignor to M. Hutchinson, Philadelphia, Pa. Mortising machine. 1,885,752; Nov. 1.
Monroe, Harry E. (See Davis, O. O., and Monroe.)
Monroe, Horace, Scipio, Utah. Stovepipe fastener. 1,864,896; June 21.
Monroe, Kenneth C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Apparatus for metal plating. 1,859,958; Aug. 9.
Monroe, Leland L., Marceline, Mo. Changeable sign holder. 1,879,403; Sept. 27.
Monroe, Mayer G., assignor to Jantzen Knitting Mills, Portland, Oreg. Swimming suit. 1,886,416; Nov. 8.
Monroe, Stanley G., and F. Shepherd, Akron, Ohio. Fly swatter. 1,882,291; Oct. 11.
Monsanto Chemical Works. (See Carswell, Thomas S., assignor.)
Monsanto Chemical Works. (See George, Anthony, assignor.)
Monsanto Chemical Works. (See Livingston, J. W., and Luthy, assignors.)
Monsanto Chemical Works. (See Titherley, A. W., and Hudson, assignors.)
Monsch, Robert, Union City, N. J., and F. H. Hibberd, jr., Long Island City, N. Y. Duplex safety window. 1,886,568; Nov. 8.
Monson, Heimer W., Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Metal shipping container. 1,864,313; June 21.
Monson, John P., Ann Arbor, Mich. Oscillating sander. 1,881,839; Oct. 11.
Montague, Harlan H., Denver, Colo. Clay-working machine. 1,859,675; May 24.
Montalbano, Anthony, Los Angeles, Calif. Liquid dispensing cup. 1,841,664; Jan. 19.
Montan- und Industrialwerke, formals Joh. Dav. Starck, the Firm. (See Thum, Rudolf, assignor.)
Montanaro, Ettore, assignor of one-half to Societe Generale d'Entreprises au Maroc, Paris, France. Insulator. 1,861,316; May 31.
Montania, N. V., the Firm. (See Schaefer, Hanns, and Schaefer, assignors.)
Montanye, Carlyle N., Baltimore, Md. Calendar easel. Des. 86,624; Mar. 29.
Montbriand, Richard, assignor to P. A. Zlomke, Milwaukee, Wis. Sandpaper holder. 1,858,899; May 17.
Montcrief, Ralph. (See Fauser, Giacomo, assignor.)
Montecatini, Societa Generale Per L'Industrie Mineraria Ed Agricola. (See Fauser, Giacomo, assignor.)
Montee, Tracy D., Pasay, Philippine Islands. Refrigerating apparatus. 1,877,143; Sept. 13.
Monteith, Charles N., assignor to Boeing Airplane Company, Seattle, Wash. Tail wheel for aircraft. 1,856,778; May 3.
Monteith, Charles N., R. J. Minshall, and J. C. Sanders, assignors to Boeing Airplane Company, Seattle, Wash. Airplane. Des. 87,310; July 26.
Monteith, Charles N., and F. R. Canney, assignors to Boeing Airplane Company, Seattle, Wash. Transport airplane. Des. 87,440; July 26.
Monteleone, Rocco, Jersey City, N. J. Parachute mounting for airplanes. 1,853,874; Apr. 12.
Montelius, George A., Minneapolis, Minn. Measuring instrument. 1,856,779; May 3.
Montellano, Néstor, Buenos Aires, Argentina. Apparatus for killing insects. 1,885,854; Nov. 1.
Montén, Ragnar W., South Melbourne, Australia. Tie for bales. 1,850,027; Mar. 15.
Montenegro, Manuel A., Tampa, Fla. Head rest. 1,855,408; Apr. 26.
Montero, Juan C., Washington, D. C. Air heat generator. 1,875,752; Sept. 6.
Montgomery, Earle T., Franklin, Ohio, assignor of one-half to A. Spaeth Pine Company, Flint, Mich. Process and apparatus for forming ceramic bodies. 1,864,365; June 21.
Montgomery, Frank E., Los Angeles, Calif. Combined razor blade sharpener and ash tray. Des. 87,673; Aug. 30.
Montgomery, Fred H., et al. (See Hartman, Frank E., assignor.)
Montgomery, Gustavus A., Dallas, Tex. Torsion and coupling controlling device. 1,846,348; Feb. 23.
Montgomery, Gustavus A., Dallas, Tex. Torsion and coupling controlling device. 1,855,556; Apr. 26.
Montgomery, Gustavus A., Dallas, Tex. Tubular coupling. 1,889,866; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Tubular coupling. 1,889,867; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Double box rotary tool joint. 1,889,868; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Tube coupling. 1,889,869; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Interior shoulder single piece tool joint. 1,889,870; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Rotary drill stem, its tube and collar. 1,889,871; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Inserted joint rotary drill stem. 1,889,872; Dec. 6.
Montgomery, Gustavus A., Dallas, Tex. Well tube and rotary drill pipe. 1,889,873; Dec. 6.
Montgomery, H. A., Company, The, et al. (See Nill, Edward A., assignor.)
Montgomery, James M., Piqua, Ohio. Automatic measuring mechanism. 1,890,160; Dec. 6.
Montgomery, James W., Keele, Canal, Territory of Hawaii. Entrainment trap. 1,853,739; Apr. 12.
Montgomery, John A. (See Friend, R. O., and Montgomery.)
Montgomery, Lester. (See Messenger, Lewis P., assignor.)
Montgomery, Letty M., assignor to Karry Kart Incorporated, New York, N. Y. Baby carriage. Des. 86,043; Jan. 19.
Montgomery, Max A., Hudson, Ohio. Trussed structure. 1,874,572; Aug. 30.
Montgomery, Stonewall J., Cedar Vale, Kans. Pulling jack. 1,854,055; Apr. 12.
Montgomery, Stonewall J., Cedar Vale, Kans. Load binder. 1,885,128; Nov. 1.
Montgomery, Terryl B., Milwaukee, and P. M. Stivender, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 1,873,976; Aug. 30.
Montgomery Ward & Company. (See Knapp, Leland G., assignor.)
Montgomery Ward & Company. (See Malbach, John J., assignor.)
Montgomery, W. Ray, et al. (See Hartman, Frank E., assignor.)
Montrose-Oster, Louis-Eugéne-Widolt, Karlsbad, Czechoslovakia, assignor to Suddeutsche Eisenbahngesellschaft, Essen, Germany. Electric street-vehicle. 1,871,074; Aug. 9.
Monz, Herta. (See Monz, Mathey and H.)
Monz, Mathey and H., Brooklyn, N. Y. Collapsible pocket umbrella. 1,890,440; Dec. 6.
Moody, Axel W., Elgin, Ill. Safety brake. 1,879,630; Sept. 27.
Moody, Charles E., Lind, Wash. Rod weeder. 1,871,192; Aug. 9.
Moody, Christopher V. (See Wulff, R. G., and Moody.)
Moody, Dwight L. (See Bailey, R. S., Newby, and Moody.)
Moody, Frederick K., Chicago, Ill. Tire inflater. 1,879,464; Sept. 27.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,848,738; Mar. 8.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,848,739; Mar. 8.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,853,135; Apr. 12.
Moody, Lewis F., Philadelphia, Pa. Runner blading. 1,853,136; Apr. 12.
Moody, Lewis F., Philadelphia, Pa. Draft tube. 1,853,137; Apr. 12.
Moody, Lewis F., Philadelphia, Pa. Draft tube. 1,853,138; Apr. 12.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,853,139; Apr. 12.
Moody, Lewis F., Philadelphia, Pa. Draft tube. 1,859,215; May 17.
Moody, Lewis F., Philadelphia, Pa. Regulating system for hydraulic turbines. 1,872,165; Aug. 16.
Moody, Lewis F., Philadelphia, Pa. Hydraulic pump. 1,882,055; Oct. 11.
Moody, Maxey D. (See Albertson, William E., assignor.)
Moodyman, Edwin F., assignor of one-tenth to W. S. Hunt, Houston, Tex. Electric motor. 1,886,040; Nov. 1.
Mooers, Louis P., assignor to A. J. Perfler, Cleveland, Ohio. Power transmitting mechanism for motor vehicles. 1,845,518; Feb. 16.
Moone, Albert E. F., Chicago, Ill. Shingle mixing machine. 1,886,969; Nov. 8.
Moone, Albert E. F., Chicago, Ill., assignor to The Lehon Company. Shingle mixing machine. 1,886,970; Nov. 8.
Moomaw, George D., Syracuse, N. Y. Recuperator. 1,861,087; June 21.
Moon, Alva H., assignor to The American Rolling Mill Company, Middletown, Ohio. Package and method for the shipment of metal pieces. 1,873,780; Aug. 23.
Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Buffing machine. 1,862,277; June 7.
Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Apparatus for securing together the blades and handles of hollow handled knives. 1,864,846; June 28.
Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Apparatus for manufacture of hollow silverware. 1,879,908; Sept. 27.
Moone, Albert E. F., assignor to Orenda Corporation, Chicago, Ill. Saturator. 1,845,317; Feb. 16.

Moone, Albert E. F., assignor to The Lehon Company, Chicago, Ill. Printing and slitting roller. 1,860,047; May 24.

Mooney, Corinne, Memphis, Tenn. Mail box. Des. 86,799; Apr. 19.

Mooney, Fred L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe pressing machine. 1,881,840; Oct. 11.

Mooney, Richard, Henryetta, Okla. Vehicle wheel bolt. 1,865,496; June 28.

Moor, Cornelius, Calumet City, Ill. Gas burner. 1,877,357; Sept. 13.

Moor, Emanuel, Mont Pelerin, Switzerland, C. Bechstein, jr., Berlin, and H. J. Gravenstein, Charlottenburg, Germany. Keyboard instrument. 1,877,526; Sept. 13.

Moor, Herbert H. (See Strickland, R. K., and Moor.)

Moore, Addison A., Albemarle, N. C. Plating device for knitting machines. 1,846,892; Feb. 23.

Moore, Alexander, Okain's Bank, Banks Peninsula, New Zealand. Life belt. 1,888,283; Nov. 22.

Moore, Alfred H. (See Lane, J. L., and Moore.)

Moore, Ambrose C., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake shoe structure. 1,854,598; Apr. 19.

Moore, Arlington, Worcester, Mass. Paper container with nonbuckling flanged head and making same. 1,851,287; Mar. 29.

Moore, Arlington, New York, N. Y. Flanged reenforced paper article and making same. 1,870,062; Aug. 2.

Moore, Arlington, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation. Boosting system for internal combustion engine charges. 1,845,646; Feb. 2.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Combustion chamber construction. 1,845,982; Feb. 16.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Carburetor. 1,850,307; Mar. 22.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Carburetor. 1,860,329; May 24.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge supplying and mixing method and apparatus for internal combustion engines. 1,869,821; Aug. 2.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Auxiliary fuel supply means for internal combustion engines of low intake depression. 1,877,937; Sept. 20.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Pressure reducing or relief valve. 1,877,938; Sept. 20.

Moore, Bessie. (See Moore, Ethel C., assignor.)

Moore, Benson B., Washington, D. C. Artist's kit. 1,840,595; Jan. 12.

Moore Bros. (See De Wit, Leonard, assignor.)

Moore Brothers Company. (See De Wit, Leonard, assignor.)

Moore Brothers Company (See Dibble, Claude M., assignor.)

Moore Brothers Company. (See Dibble, C. M., and Hollowsy, assignors.)

Moore Brothers Company. (See Moore, Lewis, assignor.)

Moore, Bruce A., Ashland, Ky. Coupling. 1,863,870; June 21.

Moore, Carl E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Lifting grapple. 1,865,380; June 28.

Moore, Charles A., Edina, Minn. Conditioning and circulating air in buildings. 1,851,014; Mar. 29.

Moore, Charles A., Edina, Minn. Air conditioning apparatus for storage rooms. 1,858,023; May 10.

Moore, Charles A., Edina, Minn. Ventilating and air circulating device. 1,858,024; May 10.

Moore, Charles A., Edina, Minn. Insulated building. 1,860,782; May 31.

Moore, Charles A., Edina, Minn. Ventilating, refrigerating, and dehumidifying appliance. 1,861,709; June 7.

Moore, Charles A., Edina, Minn. Refrigerating and ventilating appliance. 1,861,711; June 7.

Moore, Charles A., Edina, Minn. Refrigerating, dehumidifying, and ventilating appliance. 1,861,813; June 7.

Moore, Charles A., Edina, Minn. Refrigerating and ventilating apparatus. 1,867,749; July 19.

Moore, Charles A., Edina, Minn. Refrigerator. 1,887,243; Nov. 8.

Moore, Charles G., Lakewood, and M. Zucker, assignors to The Glidden Company, Cleveland, Ohio. Synthetic resin and making. 1,867,583; July 19.

Moore, Charles G., Lakewood, and M. Zucker, assignors to The Glidden Company, Cleveland, Ohio. Synthetic resin and making the same. 1,867,584; July 19.

Moore, Charles H., et al. (See Smith, Larry L., assignor.)

Moore, Charles O. (See Morrow, Emmet H., assignor.)

Moore, Charles R. (See Hayford, W. S., and Moore.)

Moore, Charles W., Barberton, Ohio, assignor to Oliver United Filters Inc., San Francisco, Calif. Filter. 1,858,900; May 17.

Moore, Chester J., Chicago, Ill. Driving and steering mechanism for wheeled toys. 1,866,477; July 5.

Moore, Clarence W., Roslyn, Pa., assignor, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Fountain cuspidor. 1,839,246; Jan. 5.

Moore, Clarence W., Roslyn, Pa., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Fountain cuspidor. 1,862,029; June 7.

Moore Company, The. (See Wunderlich, William E., assignor.)

Moore, David P., Avon Park, Fla. Pile fabric knitting machine. 1,848,370; Mar. 8.

Moore, David P., Avon Park, Fla. Pile fabric knitting machine. 1,849,466; Mar. 15.

Moore, David P., Avon Park, Fla. Securing mortise and tenon joints. 1,850,764; Mar. 22.

Moore, David P., Avon Park, Fla. Finishing knitted pile fabrics. 1,889,902; Dec. 6.

Moore, David P., Avon Park, Fla., assignor to Max A. Schlesinger, New York, N. Y. Electrical sound track recorder for moving picture machines. 1,882,084; Oct. 11.

Moore, Donald H. (See Cox, Harry W., assignor.)

Moore Dry Kiln Company. (See Cobb, J. Forrest, assignor.)

Moore Dry Kiln Company of Oregon. (See Steel, Joseph L., assignor.)

Moore, Edgar D., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley head. 1,864,036; June 21.

Moore, Edmond E., and W. B. Carver, Indianapolis, Ind., assignors, by mesne assignments, to Abbott Laboratories, Chicago, Ill. Ephedrine salts and oil solutions thereof. 1,861,543; June 7.

Moore, Edmund B., Hempstead, assignor to Curtiss Aeroplane & Motor Company, Inc., New York, N. Y. Variable pitch propeller. 1,874,232; Aug. 30.

Moore, Edward P., Berkeley, Calif. Insect destroyer. 1,839,247; Jan. 5.

Moore, Edwin E., Charles L., McGranahan, and C. Warrender, Gary, Ind., assignors to American Sheet and Tin Plate Company. Resurfacing rolls. 1,884,104; Oct. 25.

Moore Enameling & Manufacturing Company. (See Moore, Walter B., assignor.)

Moore, Eric C., assignor to John C. Moore Corporation, Rochester, N. Y. Loose leaf binder. 1,849,243; Mar. 15.

Moore, Eugene C., jr. (See Blum, C., and Moore, jr.)

Moore, George, New York, N. Y. Liquid purification. 1,877,939; Sept. 20.

Moore, George F., Tampa, Fla., assignor to U. S. Phosphoric Products Corporation, New York, N. Y. Purifying phosphoric acid. 1,889,049; Dec. 6.

Moore, George L., Cleveland, Ohio, assignor to Aluminum Co. of America, Pittsburgh, Pa. Piston-sand core. 1,867,862; July 19.

Moore, George L., assignor to Alemite Corporation, Chicago, Ill. Measuring unit for lubricating systems. 1,881,841; Oct. 11.

Moore, George L., Chicago, Ill., assignor to Alemite Corporation. Measuring unit for lubricating systems. 1,881,842; Oct. 11.

Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,875,098; Aug. 30.

Moore, George L., and J. R. Steele, Oswego, N. Y. Rail anchor. 1,890,066; Dec. 6.

Moore, George S., Harrisburg, and W. H. Miller, Penbrook, Pa. Impelling device for cooling systems of internal combustion engine. 1,877,420; Sept. 13.

Moore, Giles S., Indianapolis, Ind. Safety razor. 1,875,480; Sept. 6.

Moore, Gladys, assignor to The Lamp Studio, Utica, N. Y. Doll. 1,868,427; July 19.

Moore, Harry L., assignor to Armour Fertilizer Works, Chicago, Ill. Manufacture of ammonium salts. 1,884,105; Oct. 25.

Moore, Hugh K., assignor to Brown Company, Berlin, N. H. Cement composition and producing same. 1,880,038; Sept. 27.

Moore Fabric Company. (See Moore, John V., assignor.)

Moore, Francis J., Minneapolis, Minn. Sheet metal cutting machine. 1,852,534; Apr. 5.

Moore, Francis J., Minneapolis, Minn. Roof flashing and jacket. 1,875,640; Sept. 6.

Moore, Frank R., assignor of one-fourth to H. W. Bladorn, Carlton, Oreg. Windshield warmer. 1,856,651; May 3.

Moore, Frank W. (See Harty, W. A., and Moore.)

Moore, Frederick R., Mittagong, New South Wales, Australia. Joinery marking gauge. 1,841,043; Jan. 12.

Moore, Frederick T., East Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Revolver. 1,860,112; May 24.

Moore, Frederick T., East Hartford, and C. Pfeiffer, assignors to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Locking mechanism for automatic firearms. 1,852,057; Apr. 5.

Moore, George A., Boston, Mass. Toy electric motor. 1,857,209; May 10.

Moore, George C., Company. (See Neidel, Oscar F., assignor.)

Moore, George N., Lime Rock, Conn. Dispensing device. 1,851,722; Mar. 29.

Moore, Harold J. H. (See Wilson, G., and Moore.)

Moore, Harold T., assignor to Tuthill Spring Company, Chicago, Ill. Road guard. 1,859,328; Jan. 5.

Moore, Harrington, Medford, and W. H. Grinnell, Danvers, Mass. Making pipe plugs. 1,851,127; Mar. 29.

Moore, Harry C., assignor to Armour Fertilizer Works, Chicago, Ill. Fertilizer manufacture. 1,849,987; Mar. 15.

Moore, Harry C., assignor to Armour Fertilizer Works, Chicago, Ill. Preparing fertilizer mixtures. 1,849,988: Mar. 15.

Moore, Harry C., assignor to Armour Fertilizer Works, Chicago, Ill. Manufacture of mixed fertilizers. 1,849,989; Mar. 15.

Moore, Harry W., Dayton, Ohio. Golf ball embosser. Des. 88,366; Nov. 22.

Moore, Harry W., Dayton, Ohio. Vegetable slicer. 1,891,997; Dec. 27.

Moore, Henry D., assignor to American Reenforced Paper Company, Attleboro, Mass. Reenforced paper and making the same. 1,849,260; Nov. 1.

Moore, Howard K., Wheeling, W. Va. Shipping package. 1,849,330; Mar. 15.

Moore, Irving S., Watertown, and J. R. Sibley, West Roxbury, Mass. Bumper. 1,855,253; Apr. 26.

Moore, J. L., et al. (See Pitcher, Elmer, assignor.)

Moore, James D. (See Campbell, James H., assignor.)

Moore, James E., Niles, Mich. Auxiliary vehicle windshield. 1,876,727; Sept. 13.

Moore, James W., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,873,620; Aug. 23.

Moore, James W., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,873,621; Aug. 23.

Moore, Jesse C., assignor to Columbia School Supply Company, Indianapolis, Ind. Universal folding chair. 1,864,750; June 28.

Moore, John, Detroit, Mich., assignor, by mesne assignments, to Andrew Ryan Hanger Co. Inc. Forming machine. 1,888,803; Nov. 22.

Moore, John, Latrobe, Pa. Toilet seat cover. 1,847,131; Mar. 1.

Moore, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Volume control combining system. 1,849,632; Mar. 15.

Moore, John C., Corporation. (See Moore, Eric C., assignor.)

Moore, John E., Chicago, Ill., and G. W. Chenick, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Internal engine distillation apparatus. 1,863,346; June 14.

Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Semi-soft collar and fabric for making same. 1,842,623; Jan. 26.

Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Semi-soft collar and fabric therefor. 1,842,729; Jan. 26.

Moore, John W., Grosse Pointe Village, Detroit, Mich. Liquid dispensing device. 1,845,319; Feb. 16.

Moore, John W., Jacksonville, Fla. Bottle. Des. 88,429; Nov. 29.

Moore, Joseph G. (See Sherwood, H. K. T., and Moore.)

Moore, Judson, New Orleans, La. Rotary pump. 1,879,405; Sept. 27.

Moore, Kenneth L. (See Moore, Willard A., and K. L.)

Moore and Kling, Inc. (See Kling, Howard P., assignor.)

Moore, Lawrence Hodgson, Calif. Mounting crematory niche frames. 1,846,432; Feb. 23.

Moore, Lee C., & Company. (See McEwen, John D., assignor.)

Moore, Lewis, assignor to Moore Brothers Company, Joliet, Ill. Kitchen range. - Des. 85,985; Jan. 12.

Moore, Loyal C., Sacramento, Calif. Fire fighting apparatus. 1,874,573; Aug. 30.

Moore, Milo S. (See Gray, C. W., Burdick, Moore, and Sandifur.)

Moore, Mortimer E., Highlands, N. J. Match container. 1,846,893; Feb. 23.

Moore, Morton K. (See Patterson, C. D., and Moore.)

Moore, Norman H., Enfield, N. J., assignor to The Texas Company, New York, N. Y. Treating hydrocarbons. 1,887,941; Nov. 15.

Moore, P. H., et al. (See Nickels, William W., assignor.)

Moore, Paul, et al. (See Hartzell, A., and Lathrop, assignors.)

Moore, Paul, et al., trustees. (See Wilcoxon, Frank, assignor.)

Moore, Paul B., and B. Lewis, Indianapolis, Ind., assignors to Martin-Parry Corporation, York, Pa. Windshield ventilator. 1,849,947; Mar. 15.

Moore, Paul B., and B. Lewis, Indianapolis, Ind., assignors to Martin-Parry Corporation, York, Pa. Automobile windshield hinge. 1,860,198; May 24.

Moore, Ralph S., El Paso, Tex., assignor to American Smelting & Refining Company, New York, N. Y. Feeder for pulverized material. 1,844,172; Feb. 9.

Moore, Ralph S., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Feeder for pulverized materials. 1,882,861; Oct. 18.

Moore, Ramsay H., assignor to Zelgeia Products Corporation, Dallas, Tex. Douche apparatus. 1,861,932; June 7.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,840,786; Jan. 12.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Automobile door latch. 1,843,368; Feb. 2.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Latch. 1,847,061; Mar. 1.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,854,803; Apr. 19.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,873,321; Aug. 16.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,875,880; Sept. 6.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,878,248; Sept. 20.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,878,881; Sept. 20.

Moore, Raymond G., and A. Claud-Mantle, assignors to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,840,785; Jan. 12.

Moore, Raymond G., and A. Claud-Mantle, assignors to The Bassick Company, Bridgeport, Conn. Anti-rattle dovetail for doors. 1,865,875; July 5.

Moore, Raymond G., and A. Claud-Mantle, assignors to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,865,876; July 5.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Latch. 1,888,238; Nov. 22.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Latch. 1,888,828; Nov. 22.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Self-adjusting antirattle dovetail for doors. 1,888,829; Nov. 22.

Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,888,830; Nov. 22.

Moore, Raymond H., Chicago, Ill. Material collecting and conveying system. 1,852,535; Apr. 5.

Moore, Richard C. (See Lockhart, J., and Moore.)

Moore, Richard C., assignor to The Coe Manufacturing Company, Painesville, Ohio. Lathe. 1,860,684; May 31.

Moore, Richard C., assignor to The Coe Manufacturing Company, Painesville, Ohio. Automatic unloader for driers. 1,869,210; July 26.

Moore, Richard C., assignor to The Coe Manufacturing Company, Painesville, Ohio. Veneer lathe. 1,877,013; Sept. 13.

Moore, Richard J., East St. Louis, Ill. Template. 1,846,138; Feb. 23.

Moore, Robert R. (See Moore, Vernon R. and R. R.)

Moore, Theodore T. (See Bridges, N., and Moore.)

Moore, Thomas F., Morris Plains, N. J. Well point attachment. 1,854,344; Apr. 19.

Moore, Thomas F., Morris Plains, N. J. Vacuum pump. 1,867,585; July 19.

Moore, Thomas F., Morris Plains, N. J. Hydraulic pumping apparatus. 1,890,125; Dec. 6.

Moore, Thomas F., Morris Plains, N. J. Float-controlled diaphragm valve for hydraulic pumping systems. 1,890,126; Dec. 6.

Moore, Thomas F., New York, N. Y. Display device. 1,879,760; Sept. 27.

Moore, Vernon R. and R. R., Garrison, Minn. Udder steaming device. 1,851,107; Mar. 29.

Moore, Wallace F., assignor to The American Hardware Corporation, New Britain, Conn. Doorcheck. 1,848,371; Mar. 8.

Moore, Wallace F., Meriden, assignor to The American Hardware Corporation, New Britain, Conn. Doorcheck. 1,848,574: Mar. 8.

Moore, Walter B., assignor to Moore Enameling & Manufacturing Company, West Lafayette, Ohio. Tenkettle or similar article. Des. 88,103; Oct. 25.

Moore, Walter L., Wellington, New Zealand. Device for securing papers and the like in folders and files. 1,839,988; Jan. 5.

Moore & White Company, The. (See White, Joseph A., assignor.)

Moore, Willard A. and K. L., Muncie, Ind. Pin. 1,878,880; Sept. 20.

Moore, William C., Detroit, Mich. Brake. 1,855,485; Apr. 26.

Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Metal coating apparatus. 1,881,089; Oct. 4.

Moore, William E., Pittsburgh, and G. L. Simpson, Coraopolis, assignors to Pittsburgh Research Corporation, Pittsburgh, Pa. Annealing furnace. 1,892,112; Dec. 27.

Moore, William F., Jackson Heights, assignor to The Texas Company, New York, N. Y. Distilling oils. 1,873,454; Aug. 23.

Moore, William G., London, England. Arc lamp electrode. 1,872,322; Aug. 16.

Moore, William J., Washington, D. C., assignor of one-half to J. Janney, Leesburg, Va. Handle for automobile doors and the like. Des. 87,311; July 5.

Moore, William R., jr., Hagerstown, Md., assignor to Deca-Dise Phonograph Company, Waynesboro, Pa. Automatic talking machine. 1,875,641; Sept. 6.

Moore, William R., jr., Hagerstown, Md., assignor to Deca-Dise Phonograph Company, Waynesboro, Pa. Loudspeaker. 1,876,466; Sept. 6.

Moorhead, Albert E., Oakland, Calif., assignor to Moorhead Development Co., Inc. Floor cleaning appliance. 1,854,214; Apr. 19.

Moorhead Development Co. (See Moorhead, Albert E., assignor.)

Moorhouse, Alfred. (See Vincent, J. G., and Moorhouse.)

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,840,521; Jan. 12.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Brake mechanism. 1,841,415; Jan. 19.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,841,416; Jan. 19.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,845,928; Feb. 16.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Hydraulic shock absorber. 1,851,679; Mar. 29.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Change speed lever. 1,852,979; Apr. 5.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,856,964; May 3.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Steering column setting. 1,856,130; June 28.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,857,774; Sept. 20.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,857,775; Sept. 20.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,878,166; Sept. 20.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,880,456; Oct. 4.

Moorhouse, William R., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing process. 1,868,987; July 26.

Moorman, Charles L., Chicago, Ill. Shock absorber. 1,847,354; Mar. 1.

Moorman Mfg. Co. (See Konantz, William A., assignor.)

Moorshead, Thomas C., London, assignor to The United Glass Bottle Manufacturers, Limited, Strand, England. Manufacture of glass bottles and similar articles. 1,875,099; Aug. 30.

Moosher, John, New York, N. Y. Lace. Des. 86,534; Mar. 15.

Moosherr, John, assignor to Liberty Lace and Netting Works, New York, N. Y. Lace. Des. 87,312; July 5.

Mootz, Herman H., et al. (See Shidler, Theodore W., assignor.)

Moraine Products Company. (See Koehring, Roland P., assignor.)

Moraine Products Company, The. (See Patch, Earl S., assignor.)

Moraine Products Company, The. (See Sherwood, Charles F., assignor.)

Moravitz, Albert F., by F. Witten and O. Schopp, Phoenix, Ariz. Water cooler. 1,863,249; June 14.

Morales, Chester D., Raymond, Wash. Heel protector for hose. 1,858,747; May 17.

Morales, Matias, Tampa, Fla. Sandwich holder. 1,869,609; Aug. 2.

Morali, Charles, assignor to Delman, Inc., New York N. Y. Shoe. Des. 86,260; Feb. 16.

Morali, Charles, assignor to Delman, Inc., New York N. Y. Shoe. Des. 86,261; Feb. 16.

Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 87,270; June 28.

Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 87,972; Oct. 18.

Moran, William C., Laurel Springs, N. J., assignor to Richle Bros. Testing Machine Company, Philadelphia, Pa. Pressure gauge. 1,841,044; Jan. 12.

Moran, Edward J., et al. (See Moran, Edward J., assignor.)

Moran, Edward J., assignor to Velvetex Corporation, La Porte, Ind. Manufacture of gassed or sponge rubber. 1,877,527; Sept. 13.

Moran, Edward J. Chicago, assignor, by mesne assignments, to W. Scott Robinson, Evanston, and E. J. Moran, Chicago, Ill., trustees. Producing gassed sheet rubber having a shaggy or hirsute texture. 1,884,106; Oct. 25.

Moran, James G., Martinez, Calif. Airplane refueling device. 1,848,372; Mar. 8.

Moran, John L., and A. J. Lee, Spokane, Wash., assignors of one-fourth to R. Malcom, Chicago, Ill., and one-fourth to F. E. P. Wilder, Spokane, Wash. Pneumatic tool retaining means. 1,865,439; July 5.

Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Receptacle. 1,845,509; Feb. 16.

Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lawn sprinkler. 1,873,622; Aug. 23.

Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight switch. 1,874,788; Aug. 30.

Moran, Joseph F., assignor to Scoville Manufacturing Company, Waterbury, Conn. Metal box. 1,884,107; Oct. 25.

Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flash light. 1,884,108; Oct. 25.

Moran, Joseph V., Brooklyn, N. Y. Baby chair. 1,859,150; May 17.

Moran, Michael J., Morristown, N. J. Gas engine valve. 1,873,012; Aug. 23.

Moran, Patrick J., Newark, N. J., assignor to Irving Rosner, New York, N. Y. Brassière. 1,865,381; June 28.

Moran, Patrick J., Newark, N. J., assignor to I. Rosner, New York, N. Y. Corset. 1,867,464; July 12.

Moran, Patrick J., Newark, N. J., assignor to Irving Rosner, New York, N. Y. Corselette. 1,882,292; Oct. 11.

Moran, Robert C., Woodbury, N. J., assignor to Vacuum Oil Company, New York, N. Y. Lubricating oil. 1,850,561; Mar. 22.

Moran, William C., Laurel Springs, N. J., assignor to Richle Bros. Testing Machine Company, Philadelphia, Pa. Testing machine. 1,885,855; Nov. 1.

Morand, Armand C., San Francisco, Calif. Child's play suit. Des. 87,017; May 24.

Morandi, Antonio, Munich, Germany. Clamping means. 1,890,042; Dec. 6.

Morante, Valeriano I., Pasadena, Calif. Grater. 1,851,481; Sept. 1.

Morasso, Salvador, Saladillo, Rosario de Santa Fe, assignor to Compania Swift de la Plata Sociedad Anonima, Buenos Aires, Argentina. Vacuum soldering machine. 1,887,062; Nov. 8.

Moravec, Richard Z. (See Engs, William.)

Morch, John, Altoona, Pa. Motor suspension. 1,876,312; Sept. 6.

Morden, Charles W., Portland, Oreg. Clothes drier. 1,861,871; June 7.

Moré, Arnold. (See Günzler, H., and Moré.)

More, Fred, Hobart, N. Y. Antigire device for automobile drivers. 1,871,481; Aug. 16.

More, Glenn, assignor to Blackstone Manufacturing Company, Jamestown, N. Y. Reversible swinging wringer mechanism. 1,853,251; Apr. 12.

Morel, Joseph, Ville St. Pierre, Quebec, Canada. Potato digger. 1,848,265; Mar. 8.

Moreau, Pierre L. A., Paris, France, assignor to M. H. Detrick Company, Chicago, Ill. Furnace arch construction. 1,879,406; Sept. 27.

More, Kinsel E., assignor to The Massey-Harris Co., Racine, Wis. Transmission mechanism for tractors and the like. 1,852,126; Apr. 5.

Morehead, George L., and C. M. Young, jr., Philadelphia, Pa., assignors to The Belt Company, Chicago, Ill. Trolley bucket. 1,884,109; Oct. 25.

Morehouse, Francis G., Greenwich, Conn., assignor to Radio Corporation of America. Recording paper. 1,850,600; Mar. 22.

Morehouse, Francis G., Greenwich, Conn., assignor to Radio Corporation of America. Electroplating of wax. 1,884,110; Oct. 25.

Morehouse, Harold E., assignor to Michigan Aero-Engine Corporation, Lansing, Mich. Tappet. 1,840,633; Jan. 12.

Morehouse, Terry B., Brooklyn, N. Y., assignor to Radio Corporation of America. Recording and reproduction of sound. 1,855,584; Apr. 26.

Morel, Cornelis H. (See Bol, C. Posthumus, Unk. and Morel.)

Moreland, Lester A. (See Thropp, P. D., and Moreland.)

Moreland Motor Truck Company. (See Moreland, Watt L., assignor.)

Moreland, Watt L., Los Angeles, assignor of one-half to Moreland Motor Truck Company, Burbank, Calif. Motor vehicle. 1,886,349; Nov. 1.

Morelock, Albert E., assignor to Draftogen Company, St. Louis, Mo. Furniture construction. 1,863,634; June 21.

Moreno, Froilan L., and R. G. Vera, Santiago, Chile. Resilient wheel. 1,851,640; Mar. 29.

Morenus, Robert F., Portland, Oreg. Compact. 1,879,407; Sept. 27.

Moreschini, Ronald, Pittsburg, Calif. Swaging bulbs on wire. 1,858,306; May 17.

Moreton, Henry H., Santa Monica, Calif. Apparatus for dehydrating oils. 1,881,218; Oct. 4.

Moreton, Henry H., Santa Monica, Calif., assignor of one-third to C. F. Enslisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Process of treatment of oils. 1,851,203; Mar. 29.

Moreton, Henry H., Santa Monica, Calif., assignor of one-third to C. F. Craig, Los Angeles, Calif. Process of treating oils. 1,851,204; Mar. 29.

Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Apparatus for distilling oils. 1,855,685; Apr. 26.

Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Material and neutralizing acids in oils. 1,861,711; June 7.

Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Compound for treatment of oils. 1,881,217; Oct. 4.

Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Compound for purifying oils. 1,885,619; Nov. 1.

Morey, Burrows, assignor to Larkin Company, Inc., Buffalo, N. Y. Cover fastener. 1,851,641; Mar. 29.

Morey, Carl, assignor to Hanchett Manufacturing Co., Big Rapids, Mich. Saw swage. 1,863,910; June 21.

Morey, Carl, Oneonta, and C. F. Schnuck, New Haven, assignors, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Roll grinding machine. 1,845,172; Feb. 16.

Morey, Frank E., assignor to Oscar Heineman Corporation, Chicago, Ill. Winding cone. 1,858,410; May 17.

Morey, Walter W., Bridgeport, N. J. Machine for cutting type spacers. 1,844,820; Feb. 9.

Morey, Worthie W., Columbus, Ohio. Shade supporting structure. 1,862,885; June 7.

Morf, Ernest, La Chaux-de-Fonds, assignor to the firm Meyer & Studeli S. A., Soleure, Switzerland. Manufacturing process of watch glasses made of transparent plastic material. 1,877,358; Sept. 13.

Morgan, Bee. (See Pope, J. H., and Morgan.)

Morgan, Bernard, assignor to E. Kautenberg Co., Inc., Freeport, Ill. Mop construction. 1,875,100; Aug. 30.

Morgan, Burton G., and E. O. Kirkriet, Tacoma, Wash. Fishhook sinker. 1,861,237; May 31.

Morgan, Charles A., Grand Rapids, Mich. Windshield warmer. 1,871,722; Aug. 16.

Morgan Construction Company. (See Dahlstrom, Frank P., assignor.)

Morgan Construction Company. (See Edwards, Victor E., assignor.)

Morgan Construction Company. (See George, Jerome R., assignor.)

Morgan Construction Company. (See Isley, George H., assignor.)

Morgan Construction Company. (See Morgan, Myles, assignor.)

Morgan Construction Company. (See Quinn, Edward J., assignor.)

Morgan Construction Company. (See Sheperdson, John W., assignor.)

Morgan Construction Company. (See Sheperdson, J. W., and Dahlstrom, assignors.)

Morgan Crucible Company, The. (See Speirs, Charles W., assignor.)

Morgan Crucible Company Limited, The. (See Doidge, Russell Merryn, assignor.)

Morgan, Davis W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil still condenser. 1,853,628; Apr. 12.

Morgan, Donald C., assignor to C. N. Van Cleave, Indianapolis, Ind. Coin controlled lock. 1,841,045; Jan. 12.

Morgan, Earle G., Elizabeth, N. J., assignor to Interstate Equipment Corporation, New York, N. Y. Car tripper. 1,884,111; Oct. 25.

Morgan, Edmund C., deceased, New York, by O. E. Morgan, executrix, New York, N. Y. Rail clamp for loading machines. 1,859,596; May 24.

Morgan, Edward R., and C. Zuelle, Flint, Mich. Connecting rod. 1,870,147; Aug. 2.

Morgan Engineering Company, The. (See Buck, Homer W., assignor.)

Morgan Engineering Company. (See Hively, Ossian, assignor.)

Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Leveling device. 1,875,642; Sept. 6.

Morgan, Henry B., Corbin, Ky. Device to facilitate the driving of rivets to position. 1,857,389; May 10.

Morgan, Henry C., and Smith, E. (See Morgan.)

Morgan, Henry W., Brighton, assignor to Morgan Machine Company, Inc., Rochester, N. Y. Mechanical movement. 1,842,749; Jan. 26.

Morgan, Horace H., assignor to Palmer Bee Company, Detroit, Mich. Conveyer. 1,884,112; Oct. 25.

Morgan, John D., Summit, N. J. Mobile and dirigible toy. 1,848,373; Mar. 8.

Morgan, John D., Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y. Reduction of phosphate rock. 1,861,236; May 31.

Morgan, John D., Montclair, N. J., assignor to Doherty Research Company, New York, N. Y. High temperature transfer material. 1,873,015; Aug. 23.

Morgan, John D., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Making high temperature insulating products. 1,873,014; Aug. 23.

Morgan, John H. (See Rosenfeld, M. L., and Morgan.)

Morgan, John H., Piedmont, assignor to Max L. Rosenfeld, San Francisco, Calif. Automobile no back safety stop. 1,877,014; Sept. 13.

Morgan, John L., Camden, N. J., assignor to Jesse Satenstein, New York, N. Y. Counter. 1,868,290; July 19.

Morgan, John L., Glendora, N. J., assignor to Jesse Satenstein, New York, N. Y. Cigar grading machine. 1,874,113; Aug. 30.

Morgan, John O., High Point, N. C. Coin or check control device. 1,873,408; Sept. 27.

Morgan, John S., Inglewood, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Brake rim construction. 1,874,574; Aug. 30.

Morgan Machine Company. (See Morgan, Henry W., assignor.)

Morgan, Merton W., assignor to Poole Engineering and Machine Company, Baltimore, Md. Vertical flexible coupling. 1,839,709; Jan. 5.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Treatment of metal rods. 1,844,135; Feb. 9.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Speed synchronization of intermittently-operated machines. 1,846,894; Feb. 23.

Morgan, Olive E., executrix. (See Morgan, Edmund C.)

Morgan, Philander D., Baton Rouge, La. Fish receptacle. 1,856,818; May 3.

Morgan, Philip. (See Holden, A. P., and Morgan.)

Morgan, Robert, West Hartford, Conn. Golf club shaft. 1,848,374; Mar. 8.

Morgan, Robert, West Hartford, Conn., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf club shaft. Des. 18,666; Nov. 22.

Morgan, Robert E., assignor to Baskill, Inc., New York, N. Y. Sales stimulator game. 1,892,113; Dec. 27.

Morgan, Robert L. (See Procunier, R. G., and Morgan.)

Morgan, Toney W., assignor of one-third to W. Boston and one-third to D. L. Goldberg, St. Louis, Mo. Collapsible demountable tire rim. 1,862,415; June 7.

Morgan, Willard L., Nutley, N. J., assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Soundproof and heat insulating glass. 1,848,190; Mar. 8.

Morgan, William J., Youngstown, Ohio. Adjustable recoil gun pad. 1,847,777; Mar. 1.

Morgan, William T. (See Kendlish, W. J., and Morgan.)

Morgan and Wright. (See Abbott, Adrian O., assignor.)

Morgan and Wright. (See Abbott, Adrian O., jr., assignor.)

Morgan & Wright. (See Battin, Harold T., assignor.)

Morgan & Wright. (See Dutton, P. C., and Hazell, assignors.)

Morgan & Wright. (See Eger, Ernst, assignor.)

Morgan & Wright. (See Eger, E., and Thacher, assignors.)

Morgan & Wright. (See Gibbons, Willis A., assignor.)

Morgan & Wright. (See Hardley, Arthur, assignor.)

Morgan & Wright. (See Keen, Alexis W., assignor.)

Morgan & Wright. (See McNeill, George K., assignor.)

Morgan & Wright. (See Petersen, Paul, assignor.)

Morgan & Wright. (See Smith, Clyde J., assignor.)

Morgan & Wright. (See Ternes, Raymond F., assignor.)

Morgan & Wright. (See Turnbull, Ira J., assignor.)

Morganstern, Nathan, and J. Tascher, Brooklyn, N. Y. Eye flickering means for toys and the like. 1,877,940; Sept. 20.

Morganstern, Oscar, assignor to Teletype Corporation, Chicago, Ill. Electromagnetic device. 1,892,358; Dec. 27.

Morgen, Ralph A. (See Raymond, G., and Morgen.)

Morgen, Ralph A., Kansas City, Mo. Treating dry cleaning fluid. 1,847,221; Mar. 1.

Morgenroth, Albert. (See Kielnow, W., Morgenroth, Reinhardt and Bruer.)

Morgenstern, Ronald V., Irvington, assignor to The Western Union Telegraph Company, New York, N. Y. Repeater system. 1,853,005; Apr. 5.

Morick, Joseph A., Kenilworth, assignor to Bisler Electric Corporation, Newark, N. J. Burner. 1,853,568; Apr. 12.

Morick, Joseph A., Kenilworth, and K. P. Swanson, Irvington, assignors to Bisler Electric Corporation, Newark, N. J. Grid winding machine. 1,874,575; Aug. 30.

Morier, Henry, Plainville, Conn. Safety transmission brake. 1,852,935; Apr. 5.

Morimura Bros. Inc. (See Buma, Yukio, assignor.)

Morimura Bros. Inc. (See Tomita, Urasaburo, assignor.)

Morin, Edward J., Wilbraham, Mass. Automobile tire or similar article. Des. 87,949; Oct. 11.

Morin, George G., Holyoke, Mass. Semiautomatic dipper trip and monkey-line winder. Re18,617; Oct. 11.

Morin, George G., Holyoke, Mass. Dipper trip mechanism for excavating machines. 1,848,643; Mar. 8.

Morin, Israel, Toronto, Ontario, Canada. Drinking fountain for poultry. 1,868,414; June 21.

Morin, Louis A., Westfield, Mass. Fuel burning apparatus. Re18,684; Dec. 6.

Morin, Louis A., Westfield, Mass. Fuel burning apparatus. 1,843,954; Feb. 9.

Morin, Louis H., New York, N. Y., assignor to United States Envelope Company, Springfield, Mass. Cup vending machine. 1,845,094; Feb. 16.

Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Collapsible drawer. 1,854,345; Apr. 19.

Morin, Louis H., New York, N. Y., assignor to Doehler Vending Machines, Inc. Dispensing machine. 1,856,780; May 3.

Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Remote control for radio tuning devices. 1,856,781; May 3.

Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Radiocabinet. 1,860,940; May 31.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co., Armchair. 1,860,941; May 31.
Morin, Louis H., New York, N. Y., assignor to West Disinfecting Company. Paper folding machine. 1,877,359; Sept. 13.
Morin, Louis H., Montreal, Quebec, Canada, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,875,874; Sept. 6.
Morin, Nathaniel, Montreal, Quebec, Canada. Garment attachment. 1,840,245; Jan. 5.
Morioka, Isao, Tokyo, Japan. Changing the ratio of width to height of an image. 1,853,072; Apr. 12.
Morisawa, Nobuo, Akashi, assignor to M. Takata, Himeji, Japan. Safety-razor. 1,844,589; Feb. 9.
Morison, David N., Carrington, Newcastle, New South Wales, Australia. Ore sintering machine. 1,880,146; Sept. 27.
Morison, James C. (See Gillis, R., and Morison.)
Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Spool holder. 1,884,805; Oct. 25.
Moritz, Charles J., Effingham, Ill. Road grader. 1,884,113; Oct. 25.
Moritz, Julius H. (See Bundy, J. A., Selzer, and Moritz.)
Moriya, Saburo M., Wilmington, Del. Match book. 1,849,432; Mar. 15.
Morkoyski, James, Clinton, Ill., assignor to International Harvester Company. Disk furrow opener. 1,868,539; July 26.
Morland and Impey Limited. (See Fitz Power, Richard, assignor.)
Morland & Impey Limited. (See Impey, Francis L., assignor.)
Morland and Impey Limited. (See Power, Richard F., assignor.)
Morley, Mac, West New York, N. J. Dress. Des. 86,399; Mar. 1.
Morley, Clarence H., Patchogue, N. Y. Mite trap. 1,850,199; Mar. 22.
Morley, Denys W., and F. C. Weller, Hong Kong, China. Free-wheel mechanism for automobile use and for like purposes. 1,880,457; Oct. 4.
Morley, Herbert, J. C. Buchanan, and D. T. Sickelsteel, assignors to Detroit Gear & Machine Company, Detroit, Mich. Antirattle spring assembly. 1,881,843; Oct. 11.
Morley, James P., Michigan City, assignor to Bastian-Morley Company, La Porte, Ind. Flue structure for heating apparatus. 1,859,743; May 24.
Morley, James P., and S. J. Lonergan, assignors to Bastian-Morley Company, La Porte, Ind. Fluid-tight joint for wrought metals. 1,884,114; Oct. 25.
Morley, James P., Michigan City, and S. J. Lonergan, assignors to Bastian-Morley Co., La Porte, Ind. Control mechanism. 1,856,502; May 3.
Morley, James P., Michigan City, and S. J. Lonergan, assignors to Bastian-Morley Company, La Porte, Ind. Boiler structure. 1,857,471; May 10.
Morley, Louis W., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Hinge. 1,871,126; Aug. 9.
Morley, Marvin, et al. (See Dubee, John A., assignor.)
Morley, Percival F., Toronto, Ontario, Canada. Flower and plant holder. 1,846,433; Feb. 23.
Morlok, Edward K., Collingswood, N. J. Cigarette extinguisher. 1,855,983; Apr. 26.
Moroney, Lawrence F., Lara, Victoria, Australia. Grain harvesting machine. 1,884,114; Oct. 25.
Morosini, Louis, and J. Arico, assignors of one-third to J. F. Matteo, New York, N. Y. Bottle stopper. 1,853,075; Apr. 12.
Morosz, William P. D., Chattanooga, Tenn., assignor to American Cement Paint Company, Rossville, Ga. Cement sign. 1,861,317; May 31.
Morral, Samuel E. (See Morral, William W. and S. E.)
Morral, Samuel E., Morral, Ohio. Clutch. 1,887,776; Nov. 15.
Morral, William W., Morral, Ohio. Corn butting and husking mechanism. 1,852,328; Apr. 5.
Morral, William W., Morral, Ohio. Corn butting machine. 1,884,663; June 28.
Morral, William W. and S. E., Morral, Ohio. Butt removing and husking mechanism for green corn. 1,873,455; Aug. 23.
Morral, William W. and S. E., Morral, Ohio. Corn husking machine. 1,888,466; Nov. 22.
Morrell, Alfred F., assignor to Crompton-Knowles Loom Works, Worcester, Mass. Filling stop motion. 1,868,716; July 26.
Morrell, Jacque C. (See Benner, H. P., and Morrell.)
Morrell, Jacque C. (See Egloff, G., and Morrell.)
Morrell, Jacque C., et al. (See King, Frank M., assignor.)
Morrell, Jacque C. (See Sims, W. F., and Morrell.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of adsorbent earths. 1,844,476; Feb. 9.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oils. 1,847,409; Mar. 1.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of petroleum oils. 1,853,920; Apr. 12.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of gasoline-like products of hydrocarbon oil conversion. 1,853,921; Apr. 12
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,854,417; Apr. 19.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of petroleum oils. 1,870,063; Aug. 2.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Obtaining resins or resin like bodies from cracked hydrocarbon products. 1,888,044; Nov. 15.
Morrell, Jacque C., and O. H. Fairchild, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for hydrocarbon oil conversion. 1,843,171; Feb. 2.
Morrell, Jacque C., and L. C. Huff, assignors to Universal Oil Products Company, Chicago, Ill. Preventing corrosion in oil cracking systems. 1,844,479; Feb. 9.
Morrell, Jacque C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,855,486; Apr. 26.
Morrell, Jacque C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon oils. 1,866,332; July 19.
Morrell, Jacque C., and V. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Method and apparatus for producing lampblack. 1,890,188; Dec. 6.
Morrell, Jacque C., and J. L. Essex, assignors to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon oil. 1,890,229; Dec. 6.
Morrell, Jacque C., and J. L. Essex, assignors to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon oil. 1,890,230; Dec. 6.
Morrell, Jacque C., and J. G. Alther, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbon oil. 1,892,437; Dec. 27.
Morrell, James A., St. Louis, Mo. Outlet box. 1,875,101; Aug. 30.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Automatic shoe machine. 1,887,140; Nov. 8.
Morrill, Byron F. (See Hambleton, M. W., and Morrill.)
Morrill, Elliott, Chicago, Ill. Treating oils and compositions therefor. 1,855,196; Apr. 19.
Morrill, Herbert B., Salem, Mass. Regulator. 1,841,665; Jan. 19.
Morrill, Lewis H., Fort Wayne, Ind., assignor to International Harvester Company. Valve tappet oiling mechanism. 1,864,314; June 21.
Morrill, Philip E., Los Angeles, and C. V. Brady, assignors to Bemis Bro. Bag Co., St. Louis, Mo. Tubing cloth for bags and the like. 1,860,892; May 31.
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Shaded pole motor. 1,850,765; Mar. 22.
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Shaded pole motor. 1,884,115; Oct. 25.
Morris, Adam L. (See Padgett, Thomas, assignor.)
Morris, Albert W., Philadelphia, Pa., assignor to G. E. Cobiens, New York, N. Y. Mechanism for and method of manufacturing soda straws. 1,880,458; Oct. 4.
Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Automatic casting machine. 1,856,352; May 3.
Morris, Alden R., Los Angeles, Calif. Swinging receptacle bracket. 1,848,430; Mar. 8.
Morris, Anthony W., Spokane, Wash. Beverage gas charging apparatus. 1,854,754; Apr. 19.
Morris, Arthur H., West Paterson, N. J. Battery connector. 1,847,972; Mar. 1.
Morris, Bert M., Los Angeles, Calif. Desk calendar stand. 1,885,129; Nov. 1.
Morris, Charles L., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Artificial tooth. 1,850,889; Mar. 22.
Morris, Charles L., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Glazing artificial teeth. 1,876,015; Sept. 6.
Morris, Clarence V., Neptune City, N. J. Return damp wash conveyer. 1,886,890; Nov. 29.
Morris & Company. (See Berman, Oscar A., assignor.)
Morris, Daniel, assignor of one-half to Allan W. Fisher, St. Petersburg, Fla. Self-lighting cigarette. 1,884,806; Oct. 25.
Morris, David M. (See Kriegbaum, G. M., and Morris.)
Morris, Eudor, administratrix. (See Morris, Hugh P.)
Morris, Frank C., Mersville, N. Y. Adjustable shade fixture. 1,855,360; Apr. 26.
Morris, Frank E., Philadelphia, Pa., assignor to Doughnut Machine Corporation, New York, N. Y. Sugared doughnuts and their manufacture. 1,880,459; Oct. 4.
Morris, Fred C., San Francisco, Calif. Steering column bushing. Re15,352; Feb. 16.
Morris, Gertrude, New York, N. Y. Textile fabric or the like. Des. 88,738; Dec. 20.
Morris, H. F., Corporation. (See Waters, Gilbert C., jr., assignor.)

Morris, Harold W., Walthem, Mass., assignor to Frederick Osann Company, New York, N. Y. Mechanism for securing bags or the like. 1,875,753; Sept. 6.

Morris, Harry, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Bag. 1,841,971; Jan. 19.

Morris, Harry (See Lassiter, J. R., and Morris.)

Morris, Harry P., assignor to K. F. Smith, Coronado, Calif. Air cleaner and air turbination inductor. 1,866,663; July 12.

Morris, Herbert S., et al. (See Wilson, John, assignor.)

Morris, Howard A. (See Aldrich, J. P., and Morris.)

Morris, Howard A., assignor to The Automat Molding & Folding Company, Toledo, Ohio. Carton for butter or the like. 1,851,981; Apr. 5.

Morris, Howard A., assignor to The Automat Molding & Folding Company, Toledo, Ohio. Machine for handling butter prints. 1,861,160; May 31.

Morris, Howard A., assignor to The Automat Molding & Folding Company, Toledo, Ohio. Article stacking mechanism. 1,881,844; Oct. 11.

Morris, Howard A., assignor to The Automat Molding & Folding Company, Toledo, Ohio. Machine for inserting slips into packages. 1,881,845; Oct. 11.

Morris, Howard L., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Switch means. Re18,507; June 28.

Morris, Howard L., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Operating mechanism. 1,874,576; Aug. 30.

Morris, Howard L., assignor to C. M. Yoder and H. O. Yoder, Lakewood, Ohio. Process of and apparatus for making pipes or cylinders. 1,879,409; Sept. 27.

Morris, Hubert C., Albany, Oreg. Log haul conveyer and feeding device. 1,842,419; Jan. 26.

Morris, Hugh P., deceased, assignor of one-half to S. Deutsch, Milwaukee, Wis.; E. Morris administratrix of Hugh P. Morris. Propeller. 1,862,235; June 7.

Morris, I. N., Corpus Christi. (See Kruse, Otto V., assignor.)

Morris, I. P., & De La Vergne, Incorporated. (See Brotherton, Clifford, assignor.)

Morris, I. P., & De La Vergne, Incorporated. (See Nonenbruch, Otto, assignor.)

Morris Industries Limited, et al. (See Kent, Raymond L., assignor.)

Morris, James J., Chicago, Ill. Friction clutch. 1,886,294; Nov. 1.

Morris, James Y., High Point, N. C. Necktie. 1,857,472; May 10.

Morris, John N., London, and M. D. Scott, Enfield, England. Magnetically operated apparatus. 1,891,568; Dec. 20.

Morris, John P., Laredo, Tex. Wall construction unit and wall formed therefrom. 1,887,777; Nov. 15.

Morris, Mann & Reilly, Inc. (See Morris, Harry, assignor.)

Morris, Melvin G., Tampa, Fla., assignor, by mesne assignments, to Claude Neon Lights, Inc., New York, N. Y. Lighting means for landing fields at airports. 1,860,685; May 31.

Morris, Melvin G., Tampa, Fla., assignor, by mesne assignments, to Claude Neon Lights, Inc., New York, N. Y. Luminescent sign. 1,878,230; Sept. 20.

Morris, Melvin G., Houston, Tex., assignor, by mesne assignments, to Claude Neon Lights, Inc., New York, N. Y. Mercury luminescent tube electrode. 1,890,402; Dec. 6.

Morris, Omer H. (See Hebb, J. A., and Morris.)

Morris, Rankin W. (See Brotherton, J. E., and Morris.)

Morris, Raymond G., et al. (See Morris, William R., assignor.)

Morris, Richard Gwinn, Mich. Combined rip and crosscut saw. 1,840,912; Jan. 12.

Morris, Robert H. (See Morris, William R., assignor.)

Morris, Ross, Zillah, Wash. Fruit feeding device. 1,886,295; Nov. 1.

Morris, Walter H., Ipswich, S. Dak. Automatic time controlled safe lock. 1,841,252; Jan. 12.

Morris, Warren A., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Carton for fragile objects. 1,865,268; June 28.

Morris, Warren A., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Machine for forming cartons. 1,880,460; Oct. 4.

Morris, Warren A., Wyoming, and C. L. Spangler, Cincinnati, assignors to The Paper Service Company, Lockland, Ohio. Art of inserting liners into containers. 1,879,410; Sept. 27.

Morris, William, Philadelphia, assignor to Keasbey & Mattison Company, Ambler, Pa. Talking picture screen. 1,877,941; Sept. 20.

Morris, William R., Cowley, England. Internal combustion engine. 1,847,017; Feb. 23.

Morris, William R., Twin Falls, Idaho. Water motor. 1,876,070; Sept. 6.

Morris, William R., assignor of one-half to R. H. Morris, and one-half to R. G. Morris, Boise, Idaho. Hydraulic power device. Re18,410; Apr. 5.

Morris, William R., assignor of one-half to R. H. Morris and one-half to R. G. Morris, Boise, Idaho. Hydraulic water motor. 1,851,680; Mar. 29.

Morrison, Alan R., Spokane, Wash. Burglar and fire alarm. 1,845,621; Feb. 16.

Morrison, Bartholomew J., assignor to The Coale Muffler & Safety Valve Company, Baltimore, Md. Locomotive safety valve. 1,857,514; May 10.

Morrison, Cornelius F., assignor of one-half to T. F. Vance, Jr., Pawtucket, R. I. Valve. 1,873,623; Aug. 23.

Morrison, Edward A., Orange, N. J. Level. 1,844,590; Feb. 9.

Morrison, Frederick C., Syracuse, N. Y. Method of and apparatus for reproducing sound waves and light waves. 1,842,420; Jan. 26.

Morrison, George, Poughkeepsie, N. Y. Coin controlled locking means for vending machines. 1,874,847; June 28.

Morrison, George, Poughkeepsie, N. Y. Vending machine. 1,876,510; Sept. 6.

Morrison, George, assignor to International Silver Company, Meriden, Conn. Holder for child's set comprising knife, fork, and spoon. Des. 66,891; May 3.

Morrison, George O. (See Skirrow, F. W., and Morrison.)

Morrison, George W. (See Policastro, C. M., and Morrison.)

Morrison, James, assignor to The Highland Body Manufacturing Company, Cincinnati, Ohio. Vehicle and mounting bodies on chassis. 1,861,712; June 7.

Morrison, James D., Reinbeck, Iowa. Well drill. 1,862,629; June 14.

Morrison, James J. (See Hoeftmann, A. O., McNamee, and Morrison.)

Morrison, John A., Warren, Ohio. Double lift single screw jack. 1,862,759; June 14.

Morrison, Laurence H., Gravesend, England. Apparatus for use in combination or in conjunction with a sextant adapted for use as an artificial horizon and direction indicator. 1,857,736; May 10.

Morrison, Louis. (See Goldner, Joseph H., assignor.)

Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company, a Typographical composing and casting machine. 1,860,900; May 31.

Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company, a Typographical composing and casting machine. 1,869,940; Aug. 2.

Morrison, Montford, Montclair, N. J. Manometer. 1,863,813; Oct. 18.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Revolving and stationary X-ray screen. 1,874,077; Aug. 30.

Morrison, Montford, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Lamp Company. Electron discharge tube. 1,842,624; Jan. 26.

Morrison, Montford, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Lamp Company. X-ray tube. 1,865,440; July 5.

Morrison, Montford, Chicago, Ill., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc. X-Ray apparatus. 1,870,996; Aug. 9.

Morrison, Ralph A., Marblehead, assignor, by mesne assignments, to E. C. Welch and R. A. Morrison, Swampscott, Mass. Vegetable and fruit slicer. 1,853,140; Apr. 12.

Morrison, Raymond L. (See Johnson, S. jr., Morrison, and Leukhardt.)

Morrison, Sidney A., Mason, Mich. Heat exchange device. 1,874,578; Aug. 30.

Morrison, Taylor (executor). (See Mayers, Joseph A.)

Morrison, Thomas S., Duluth, Minn. Creel. 1,845,929; Feb. 16.

Morrison, Vandolah, assignor to E. J. Conway, Cleveland, Ohio. Welding machine. 1,890,792; Dec. 13.

Morrison, Walter D., Chicago, Ill. Forming device. 1,846,349; Feb. 23.

Morrison, Walter D., Detroit, Mich. Forming device. 1,879,411; Sept. 27.

Morrison, Webster, Denver, Colo. Sign. 1,854,418; Apr. 19.

Morrison, William K., Chula Vista, Calif. Fence. 1,860,686; May 31.

Morriss, H. F., Corporation. (See Waters, Gilbert C., assignor.)

Morrow, Albert C., Dillon, Mont. Phlebotomy gun. 1,845,930; Feb. 16.

Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Domestic hot water heater. 1,862,630; June 14.

Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Liquid treating apparatus. 1,869,706; Aug. 2.

Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Pasteurizer. 1,869,766; Aug. 2.

Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Driving mechanism. 1,869,859; Aug. 2.

Morrow, E. Leister A., Sunnyside, Wash. Asparagus knife. 1,884,116; Oct. 25.

Morrow, Emmet H., assignor, by mesne assignments, to C. O. Moore, Chicago, Ill. Attachment for oil cans. Re18,526; July 12.

Morrow, Emmet H., assignor of one-half to J. C. Morrow, Chicago, Ill. High pressure oiler. 1,863,911; June 21.

Morrow, Frank C., Wellston, Ohio. Conveyer guide. 1,873,456; Aug. 23.

Morrow, George E., Enid, Okla. Window sash adjuster. 1,874,789; Aug. 30.

Morrow, John. (See Morrow, Emmet H., assignor.)
Morrow, John A., Chicago, Ill. Freight car. 1,847,132; Mar. 1.
Morrow, John E., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovery of cryolite. 1,871,723; Aug. 16.
Morrow, John E., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Production of sodium aluminum fluorides. 1,873,210; Aug. 23.
Morrow, Joseph H., Pleasantdale, assignor to Fuller Company, Catasauqua, Pa. Portable pump. 1,890,298; Dec. 6.
Morshach, Kurt, Berlin-Lichterfelde, assignor, by mesne assignments, to Projector G. m. b. H., Berlin, Germany. Moving picture projection apparatus. 1,891,683; Dec. 20.
Morschel, Heinrich. (See Meerwein, H., and Morschel.)
Morse, Albert W., Forest Hills, N. Y. Combination gas and oil burner. 1,847,031; Mar. 31.
Morse, Albert W., Forest Hills, N. Y. Combination gas and oil burner. 1,877,942; Sept. 20.
Morse, Arthur A., Baltimore, Md. Commodity package. 1,848,334; Mar. 8.
Morse, Ben H., Hillsdale, Mich. Burial vault. 1,845,845; Feb. 16.
Morse Boulger Destructor Co. (See Thompson, Samuel H., assignor.)
Morse Chain Company. (See Morse, Frank L., assignor.)
Morse Chain Company. (See Perry, David B., assignor.)
Morse, Charles, Boston, Mass., assignor, by mesne assignments, to General Electric Company. Building stand. 1,859,561; Nov. 29.
Morse, Charles W., and K. McKenzie, deceased, J. B. C. Knight, Anaconda, Mont., executor. Device for feeding lignite. 1,863,200; June 21.
Morse, Clark T., assignor to American Blower Corporation, Detroit, Mich. Fan housing construction. 1,873,161; Sept. 6.
Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Apparatus and method of air conditioning. 1,863,376; June 21.
Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Apparatus and method of air conditioning. 1,863,377; June 21.
Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Apparatus and method of air conditioning. 1,863,578; June 21.
Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Method and apparatus of air conditioning. 1,863,579; June 21.
Morse, Clyde S., De Kalb, Ill. Tire insert. 1,875,102; Aug. 30.
Morse, Frank L., Ithaca, N. Y. Cribbage board. 1,843,457; Feb. 2.
Morse, Frank L., Ithaca, N. Y. Door operating mechanism. 1,862,860; June 14.
Morse, Frank L., Ithaca, N. Y. Radio control device. 1,865,537; July 5.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Chain drive mechanism. 1,849,654; Mar. 15.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive-chain. 1,852,336; Apr. 5.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,868,334; July 19.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Link belt. 1,878,797; Sept. 20.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,878,892; Sept. 20.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,887,137; Nov. 8.
Morse, Frank L. and R. V., Ithaca, N. Y. Automatic door. 1,872,706; Aug. 23.
Morse, Fred D. (See Putnam, F. L., and Morse.)
Morse, Harry S., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Combined fruit cutting and can filling machine. 1,879,989; Sept. 27.
Morse, Herman E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Hose. Des. 88,666; Dec. 13.
Morse, Howard H., Portland, Oreg. Electric transformer. 1,849,576; Mar. 15.
Morse, Lulan S., Ocean Park, Calif. Tire pressure indicator. 1,849,730; Mar. 15.
Morse, Lulan S., Ocean Park, Calif. Tire pressure measuring tool. 1,860,588; May 31.
Morse, Lyman D., Butte City, Calif. Roller attached bulk-handling attachment for harvesters. 1,867,887; July 19.
Morse, Lyn H., and L. A. Lockhart, Natick, assignor to E. L. Chase, trustee, Dorchester, Mass. Gas valve. 1,881,846; Oct. 11.
Morse, Mason E., et al. (See Johnson, Frederick W., assignor.)
Morse, Normand W., assignor to Alemite Corporation, Chicago, Ill. Pneumatic lubricant compressor. 1,881,847; Oct. 11.
Morse, Normand W., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,881,848; Oct. 11.
Morse Products, Inc. (See Fried, Jerome A., and Schroder, assignors.)
Morse Products, Inc. (See White, Nelson, assignor.)
Morse, Ralph L., Springfield, Mass. Map. 1,875,389; Sept. 6.
Morse, Robert G. (See Adams, A. A., and Morse.)
Morse, Robert V. (See Morse, Frank L. and R. V.)
Morse, Roy W., Willow Grove, assignor to Autogiro Company of America, Philadelphia, Pa. Supporting means for aircraft sustaining rotors. 1,851,868; Mar. 29.
Morse, William E., Rapid City, S. Dak. Surgical instrument. 1,850,132; Mar. 22.
Morse, William E., Rapid City, S. Dak. Rotary motor. 1,871,462; Aug. 16.
Mortell, Edwin E. (See Hall, L. A., and Mortell.)
Mortell, J. W., Company. (See Hall, L. A., and Mortell, assignors.)
Mortensen, Cornelius, Louisville, Ky. Milk treating apparatus. 1,854,670; Apr. 19.
Mortensen, Cornelius, Louisville, Ky. Pasteurizer mixer. 1,888,008; Nov. 15.
Mortensen, Franz, Helsingfors, Finland. End or bottom bearing for quick revolving shafts or spindles. 1,866,478; July 5.
Mortensen, Leo H. (See Omholdt, Knute, assignor.)
Mortenson Engineering Co. (See Mortenson, Henry C., assignor.)
Mortenson, Henry C., Highland Park, assignor to Mortenson Engineering Co., Chicago, Ill. Retaining means for building materials. 1,850,961; Mar. 22.
Mortenson, Henry C., Highland Park, assignor to Mortenson Engineering Company, Chicago, Ill. Building material and retaining means therefor. 1,874,790; Aug. 30.
Mortenson, Olaf, and O. De Guire, Silverton, Oreg. Internal combustion engine. 1,841,046; Jan. 12.
Morterud, Einar, Orkdal, Norway. Steam intake sleeve for sulphite pulp digesters. 1,869,279; July 26.
Morterud, Einar, Tordetod, near Moss, Norway. Apparatus for digesting wood pulp. 1,882,391; Oct. 11.
Morteseu, Lu Vaughn L., Los Angeles, Calif. Control switch. 1,884,117; Oct. 25.
Mortimer, Charles G., Glen Ridge, assignor to Structural Gypsum Corporation, Linden, N. J. Block handling device. 1,887,211; Nov. 8.
Mortimer, Charles G., Glen Ridge, assignor to Structural Gypsum Corporation, Linden, N. J. Machine for making slabs. 1,891,626; Dec. 20.
Mortimer, Samuel E., assignor of twenty-five one-hundredths to C. M. Gross, Loreto, Ohio. Pneumatic improvement for solenoid hammers. 1,853,695; Apr. 12.
Morton, Alexander W., Balaclava, assignor to Charles C. Jackson, Melbourne, Australia. Reconditioning old rubber. 1,884,118; Oct. 25.
Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston packing. 1,851,108; Mar. 29.
Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Producing rings. 1,857,254; May 10.
Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,862,059; June 7.
Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Packing. 1,871,820; Aug. 16.
Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston rod packing. 1,879,855; Sept. 27.
Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,881,849; Oct. 11.
Morton, Allen W., and E. Stead, assignors to The American Hammered Piston Ring Company, Baltimore, Md. Rod packing. 1,879,986; Sept. 27.
Morton, Amsler, Company. (See Morton, William A., assignor.)
Morton, Benjamin A., New York, N. Y. Tower construction. 1,853,631; Apr. 12.
Morton, Benjamin A., New York, N. Y. Illuminatiug apparatus. 1,876,813; Sept. 6.
Morton, Charles R., et al. (See Pennington, Harold C., assignor.)
Morton, Craig V., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,847,724; Mar. 1.
Morton, Dudley J., New Haven, Conn. Compensating for foot abnormalities. 1,847,973; Mar. 1.
Morton, Edmund R. (See Stoller, H. M., and Morton.)
Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system. 1,847,191; Mar. 1.
Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control system. 1,867,373; July 12.
Morton, Edmund R., New York, N. Y., and H. M. Stoller, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Incandescent lamp. 1,864,547; June 28.
Morton, Eric A., Worcestershire, assignor to Courtaulds Limited, London, England. Process and apparatus in and relating to the manufacture and production of artificial threads, filaments, and the like. 1,885,755; Nov. 1.
Morton, Erle, D., et al. (See Treanor, John E., assignor.)
Morton, Francis B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition for fibrous materials. 1,842,978; Jan. 26.
Morton, Harold A., Akron, Ohio. Age resisting process for rubber and age resisting rubber compound. 1,847,974; Mar. 1.

Morton, Harold A., Akron, Ohio. Accelerating rubber vulcanization and compound therefor. 1,852,721; Apr. 5.

Morton, Harry U., assignor to Morton Manufacturing Company, Chicago, Ill. Car vestibule diaphragm. 1,881,850; Oct. 11.

Morton, Henry E., Muskegon Heights, Mich. Flesh removing machine. 1,854,522; Apr. 19.

Morton, Henry E., Muskegon Heights, Mich. Bracing means for shaper tables. 1,882,158; Oct. 11.

Morton, Henry E., Muskegon Heights, Mich. Draw-cut shaper table. 1,889,930; Dec. 6.

Morton, James, West Lothian, Scotland. Manufacture of plain or patterned tufted or pile fabrics. 1,850,984; Mar. 22.

Morton, James, Cramond Bridge, West Lothian, Scotland. Manufacture of fabrics. 1,856,782; May 3.

Morton, James, Cramond Bridge, West Lothian, Scotland, and P. H. Aldroyd, Radcliffe, near Manchester, England; said Aldroyd assignor to said Morton. Loom for weaving tufted fabrics. 1,856,783; May 3.

Morton, Lowden P., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Erecting tanks. 1,839,578; Jan. 5.

Morton Manufacturing Company. (See Morton, Harry U., assignor.)

Morton, Robert C., Baltimore, Md. Grate bar. 1,874,579; Aug. 30.

Morton, Robert L., Long Beach, Calif. Liquid delivery apparatus. 1,841,839; Jan. 19.

Morton, Rolla A., Long Beach, Calif. Traction truck for vehicles. 1,894,062; July 5.

Morton Salt Company. (See Hochwalt, C. A., and Wallauszig, assignors.)

Morton, Sterling, assignor to Teletype Corporation, Chicago, Ill. Selecting mechanism. 1,864,088; June 21.

Morton, Sterling, assignor to Teletype Corporation, Chicago, Ill. Keyboard mechanism for telegraph apparatus. 1,884,807; Oct. 25.

Morton, William A., et al. (See Eckert, Fritz, assignor.)

Morton, William A., assignor to Amsler Morton Company, Pittsburgh, Pa. Producer gas recuperator furnace. 1,844,293; Feb. 9.

Morton, William A., assignor to Amsler Morton Company, Pittsburgh, Pa. Muffle furnace leer. 1,870,262; Aug. 9.

Morton, William A., assignor to Amco, Incorporated, Pittsburgh, Pa. Recuperator for industrial furnaces. 1,881,304; Oct. 4.

Morton, William A., Dormont, and P. L. Geer, Pittsburgh, assignors to Amco, Incorporated, Pittsburgh, Pa. Glass impression machine. 1,852,968; Mar. 22.

Morton, William A., Pittsburgh, and E. W. Paxton, Washington; said Paxton assignor to Highland Western Glass Company, Washington, Pa. Leer. 1,880,268; Oct. 4.

Morton, William A., Pittsburgh, and P. L. Geer, Bellevue, assignors to Amco, Incorporated, Pittsburgh, Pa. Ware transferring mechanism. 1,890,883; Dec. 13.

Morton, William B., and L. F. Beisner, Beatrice, Nebr. Display equipment. 1,818,453; May 3.

Mosaic Tile Company, The. (See Robison, David V., assignor.)

Mosby, Alfred D., assignor to Construction Machinery Company, Waterloo, Iowa. Measuring apparatus. 1,888,239; Nov. 22.

Mosby, Denis H., H. C. Olpin, and G. H. Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America. Nitration of arylsulphonyl derivatives of aromatic amines. 1,883,393; Oct. 18.

Moschel, Herman. (See Jones, F. D., and Moschel.)

Moschel, Herman, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay press. 1,851,018; Mar. 29.

Moschel, Wilhelm. (See Pistor, G., Suchy, Staib, and Moschel.)

Moscinski, John, assignor to Multi-Color Press Corporation, Paterson, N. J. Printing press. 1,852,211; Apr. 5.

Moscovitch, Beny, Regina, Saskatchewan, Canada. Water heater. 1,850,028; Mar. 15.

Moscowitz, Abraham, Jersey City, N. J. Detergents. 1,847,437; Mar. 1.

Moscrop, John M., Otsego, assignor to Stauffer Chemical Company, San Francisco, Calif. Cap for carboy casing. 1,885,534; Nov. 1.

Mose, Josef F., San Diego, Calif. Can wrapping and key placing machine. 1,843,458; Feb. 2.

Mosel, Joseph H., Lakewood, assignor to The Jaeger Machine Company, Columbus, Ohio. Truck. 1,875,103; Aug. 30.

Mosel, Joseph H., Lakewood, and J. H. Sangerr, Cleveland, assignors, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Tower. 1,854,755; Apr. 19.

Moseley, Thomas H. (See Droege, Charles E., assignor.)

Moseley, Tomlinson I., assignor to Pacific Hair Goods Company, San Francisco, Calif. Electrical hair waver. 1,875,882; Sept. 6.

Moseley, Tomlinson I., assignor to Duart Manufacturing Co. Ltd., formerly Pacific Hair Goods Company, Ltd., San Francisco, Calif. Hair waving apparatus and method. 1,877,191; Sept. 13.

Moseley, Tomlinson I., assignor to Duart Manufacturing Co., Ltd., San Francisco, Calif. Hair waving device. 1,888,284; Nov. 22.

Moser, Alex., College Point, N. Y. Slicing device. 1,846,136; Feb. 23.

Moser, Franz R., and J. Greutert, Amsterdam, Netherlands, assignors, by mesne assignments, to Shell Development Company, San Francisco, Calif. Treatment of petroleum acid sludges. 1,862,060; June 7.

Moser, Jakob O. (See Rosat, C., Moser, and Reymond.)

Moser, Wilhelm, Berlin, Germany, assignor, by mesne assignments, to Radio Corporation of America. Cooled radiofrequency apparatus. 1,857,029; May 3.

Moser, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. System for keying transmitters. 1,882,962; Oct. 18.

Moser, Wilhelm, Riehen, near Basel, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of a dyestuff of the anthraquinone series. 1,859,151; May 17.

Moser, Wilhelm, Riehen, near Basel, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of a dyestuff of the anthraquinone series. 1,859,255; May 17.

Moses, Edmund Q. (See Joyce, Edward C., assignor.)

Moses, Edwin P. (See Kiefer, Paul W., assignor.)

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Separation of minerals by flotation. 1,863,760; June 21.

Moses, Herbert B., assignor to I. H. Moses, Washington, D. C. Engine and the like and method of operation. 1,880,209; Oct. 4.

Moses, Herbert B., San Francisco, Calif., assignor to I. H. Moses. Lubricating system. 1,886,067; Nov. 1.

Moses, Irma H. (See Moses, Herbert B., assignor.)

Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Inc., Oakville, Conn. Overall loop. 1,890,692; Dec. 13.

Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Inc., Oakville, Conn. Slide buckle. 1,892,516; Dec. 27.

Mosher, Elery E. (See Nicks, J. H., and Mosher.)

Mosher, Ira S., Detroit, Mich. Internal combustion engine. 1,884,119; Oct. 25.

Mosher, Ira S., East Orange, N. J., assignor, by mesne assignments, to Joe Lowe Corporation, Brooklyn, N. Y. Doughnut machine. 1,855,922; Apr. 26.

Mosher, Ira S., Chicago, Ill., assignor, by mesne assignments, to Joe Lowe Corporation, Brooklyn, N. Y. Dough cutter. 1,856,042; May 3.

Mosher, James F., Mishawaka, and G. N. Van Derhoef, South Bend, assignors to Dodge Manufacturing Corporation, Mishawaka, Ind. Clutch. 1,883,394; Oct. 18.

Mosher, John A., Pomona, Calif. Air cleaner. 1,884,808; Oct. 25.

Moskowitz, Meyer. (See Ebert, C., Newkirk, and Moskowitz.)

Mosince Paper Mills Company. (See Stone, N. S., and Burns, assignors.)

Moskow, Isadore, St. Louis, Mo. Cutting tool for shoe nails. 1,845,434; Feb. 16.

Moskowitz, Meyer. (See Ebert, C., Newkirk, and Moskowitz.)

Mosler Safe Company, The. (See Bartels, Edwin J. and C., assignors.)

Mosler Safe Company, The. (See Bates, Charles J., jr., assignor.)

Mosler Safe Company, The. (See Campbell, Acheson M., assignor.)

Mosler Safe Company, The. (See Jendrek, Frank J., assignor.)

Mosley, Jesse E., Galveston, Tex. Combination square. 1,841,972; Jan. 19.

Mosmann, John, North Bergen, N. J. Trimming for dresses and the like. 1,856,572; Nov. 8.

Moss, Benjamin L., assignor to L. Moss, Chicago, Ill. Fuse plug. 1,848,792; Mar. 8.

Moss, Charles McL., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multifrequency circuit breaker control system and protective system. 1,871,724; Aug. 16.

Moss, Cruse W., Kent, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 86,800; Apr. 19.

Moss, H. P., Detroit, Mich. Combined radiator guard, bumper support and tow hook for trucks. 1,866,265; July 5.

Moss, Lee R., and C. D. Collins, San Diego, Calif. Automobile radiator cap ornament. 1,853,987; Apr. 12.

Moss, Leopold. (See Moss, Benjamin L., assignor.)

Moss, Robert A., H. B. Biddell, and T. A. Petty, High Point, N. C. Folding top for rumble seats. 1,852,467; Apr. 5.

Moss, Samuel A., Alameda, and J. Geddes, Sacramento, Calif. Producing from natural gravel deposits a gravel aggregate for use in concrete. 1,864,926; June 28.

Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Motor driven fluid pump. 1,886,714; Nov. 8.

Moss-Still, Inc. (See Guhl, Maclyn, assignor.)

Moss-Still, Inc. (See Lukas, Julia, assignor.)

Moss-Still, Inc. (See Pulitzer, Gustav M., assignor.)

Moss-Still, Inc. (See Schweizer, Jack, assignor.)

Moss, Thomas R., Dyersburg, Tenn. Ash tray. 1,888,009; Nov. 15.

Moss, Victor J., Brooklyn, N. Y. Heat insulating structure. 1,856,881; May 3.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Solvents for derivatives of cellulose and compositions produced thereby. 1,844,365; Feb. 9.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y., Synthetic resin and making the same. 1,848,644; Mar. 8.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Synthetic resin and making the same. 1,849,107; Mar. 15.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Coating composition and film produced thereby. 1,849,108; Mar. 15.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Laminated glass and preparing the same. 1,849,504; Mar. 15.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Coating and product thereof. 1,857,161; May 10.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Coated article and preparing the same. 1,860,687; May 31.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Laminated glass and making same. 1,871,725; Aug. 16.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Synthetic resin and making same. 1,873,849; Aug. 23.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Synthetic resin and making the same. 1,880,356; Oct. 4.

Moss, William H., and B. White, Cumberland, Md., assignors to Celanese Corporation of America. Synthetic resin and making the same. 1,880,596; Oct. 4.

Moss, William H., and B. White, Cumberland, Md., assignors to Celanese Corporation of America. Synthetic resin and making the same. 1,883,396; Oct. 18.

Moss, William H., and B. White, Cumberland, Md., assignors to Celanese Corporation of America. Synthetic resin and making the same. 1,883,397; Oct. 18.

Moss, William H., and B. White, Cumberland, Md., assignors to Celanese Corporation of America. Synthetic resin and making the same. 1,840,596; Jan. 12.

Moss, William H., and B. White, Cumberland, Md., assignors to Celanese Corporation of America. Synthetic resin and making the same. 1,840,597; Jan. 12.

Moss, William H., and H. Crutchfield, Cumberland, Md., assignors to Celanese Corporation of America. Laminated glass and making the same. 1,870,018; Aug. 2.

Moss, William H. and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Synthetic resin and making same. 1,873,848; Aug. 23.

Moss, William H., and B. White, Cumberland, Md., assignors to Celanese Corporation of America. Plastifier for cellulose derivatives and resin compositions. 1,881,327; Oct. 4.

Moss, William H., and K. H. Crutchfield, Cumberland, Md., assignors to Celanese Corporation of America. Laminated glass and method of the same. 1,884,809; Oct. 25.

Mossay & Company. (See Mossay, Paul A. H., assignor.)

Mossay, Paul A. H., Ipswich, assignor to Mossay & Company, Limited, London, England. Crane. 1,840,522; Jan. 12.

Mossberg, Frank, and A. Jensen, assignors to Mossberg Pressed Steel Corporation, Attleboro, Mass. Skid. 1,875,104; Aug. 30.

Mossberg Pressed Steel Corporation. (See Mossberg, F., and Jensen, assignors.)

Mosser, Edward B., Philadelphia, Pa., assignor to Lehigh Silk Hosiery Mills, Inc., New York, N. Y. Stocking. 1,852,352; Apr. 12.

Mosser, Edward B., Philadelphia, Pa., assignor to Lehigh Silk Hosiery Mills, Inc., New York, N. Y. Stocking. Des. 85,654; Mar. 29.

Mosser, Edward B., Philadelphia, Pa., assignor to Lehigh Silk Hosiery Mills, Inc., New York, N. Y. Des. 87,276; June 28.

Mossbart, Donald J. (See Cody, C. S., Davis, and Mossbart.)

Mossinghoff, Bernard H., St. Louis, Mo., assignor, by mesne assignments, to Progressive Motor Devices Corporation, Chicago, Ill. Automobile pedal selector. 1,847,096; Mar. 1.

Mossman, Howard W. (See Hawkins, R. A., and Mossman.)

Most, August F. (See Gold, M., Most, and Fogel.)

Most, Lucifer J., Kearny, N. J., assignor of one-half to R. W. Wilson, New York county, N. Y. Container. 1,865,639; July 5.

Mosteller, Karl L., Mount Airy, Pa. Tube cap. 1,888,010; Nov. 15.

Mot-Acs, Inc. (See Rundlett, Carl W., assignor.)

Motor, Horace, London, England. Agricultural implement. 1,867,521; July 12.

Motherwell, Joseph W., Melrose, assignor to The Ashton Valve Company, Cambridge, Mass. Pressure gauge. 1,848,489; Mar. 8.

Motive Devices, Inc. (See Dusevoir, Julius.)

Motley, Lewis, Staines, England. Liquid fuel burning apparatus. 1,887,458; Nov. 8.

Moto Meter Gauge & Equipment Corporation. (See Cheney, Moses E., assignor.)

Moto Meter Gauge & Equipment Corporation. (See Hurley, Roy T., assignor.)

Moto Meter Gauge & Equipment Corporation. (See Jardine, Charles, assignor.)

Moto Meter Gauge & Equipment Corporation. (See Padesky, John R., assignor.)

Moto Meter Gauge & Equipment Corporation. (See Schupp, Alfred B., assignor.)

Moto-Mower Company, The. (See Blydenburgh, Harold L., assignor.)

Motor Development Corporation. (See Vang, Alfred, assignor.)

Motor Devices, Inc. (See Trail, Herbert H., assignor.)

Motor Devices, Inc. (See Williams, William J., assignor.)

Motorenfabrik Deutz, Aktiengesellschaft. (See Heldelberg, Victor, assignor.)

Motorenfabrik Deutz Aktiengesellschaft. (See Lummen, Hans, assignor.)

Motorenfabrik Deutz, Aktiengesellschaft. (See Modersohn, Fritz, assignor.)

Motorenfabrik Deutz, Aktiengesellschaft. (See Welche, Georg, assignor.)

Motor Improvements, Inc. (See Arnold, George A., assignor.)

Motor Improvements, Inc. (See Liddell, Robert P. F., assignor.)

Motor Jack Corporation. (See Gutmann, John, jr., assignor.)

Motor Products Corporation. (See Elfes, Harold L., assignor.)

Motor Products Corporation. (See Kellogg, Homer G., assignor.)

Motor Products Corporation. (See Pritchard, William S., assignor.)

Motor Saver Corporation, The. (See Bartholomew, Gilbert A., assignor.)

Motor Terminals Company. (See Bates, A. H., and McBean, assignors.)

Motor Terminals Company. (See Fitch, Benjamin F., assignor.)

Motor Terminals Company. (See Fitch, B. F., and Teare, assignors.)

Motor Wheel Corporation. (See Hunt, J. Harold, assignor.)

Motor Wheel Corporation. (See McGiveron, Hugh E., assignor.)

Motor Wheel Corporation. (See Nelson, Emil A., assignor.)

Motor Wheel Corporation. (See Piatt, Howard I., assignor.)

Motor Wheel Corporation. (See Valjean, Ben, assignor.)

Motor Wheel Corporation. (See Wilson, Moses W. H., assignor.)

Motors Metal Manufacturing Company et al. (See Matthaei, F. C., and Shanahan, assignors.)

Motorscope Corporation of America. (See Harris, William L., assignor.)

Motsinger, Armand V., Edgewood Arsenal, Md. Laboratory stirrer. 1,841,756; Jan. 19.

Motsinger, Newell H., Marion, Ind. Lawn mower. 1,889,931; Dec. 6.

Mott, Arthur H., jr., Detroit, Mich. Circuit closer. 1,856,056; Apr. 12.

Mott, Chester, Denver, Colo., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc. Welding rod for producing hard welds. 1,841,624; Jan. 19.

Mott, Chester, Denver, Colo., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc. Method of and apparatus for determining the fluid contents of cylinders. 1,856,079; May 3.

Mott, Chester, Denver, Colo., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc. Filling tanks with compressed gas. 1,871,076; Aug. 9.

Mott, Chester, and G. G. Spencer, Denver, Colo., assignors, by mesne assignments, to Union Carbide and Carbon Laboratories, Inc., New York, N. Y. Preventing popping of torches. 1,865,033; June 28.

Mott, Chester, and G. G. Spencer, Denver, Colo., assignors, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc. Apparatus for measuring the contents of gas containers. 1,871,075; Aug. 9.

Mott, Chester, Huntington Park, Calif., and G. G. Spencer, Denver, Colo., assignors to Union Carbide and Carbon Research Laboratories, Inc. Torch. 1,879,631; Sept. 27.

Mott, Samuel B., Noblesville, assignor to Indiana Condensed Milk Company, Indianapolis, Ind. Package conveying apparatus. 1,860,718; May 31.

Mott, Samuel B., Noblesville, assignor to Indiana Condenser Milk Company, Indianapolis, Ind. Conveyer for changing groups of articles into single file. 1,870,375; Aug. 9.

Mott-Smith, Lewis M., Houston, Tex. Electrokinetometer. 1,887,739; Nov. 15.

Mottashed, John C. and A. W. Payne, assignors to Hudson Motor Car Company, Detroit, Mich. Time study recorder. 1,858,457; May 17.

Motte, Charles M., Paris, France. Hydraulically propelled lifeboat. 1,891,828; Dec. 20.

Motter, Elmer E., Pleasant Ridge, Mich. Parachute and installation thereof. 1,856,397; May 3.

Mottler, Walter F., El Campo, Tex. Hay rake. 1,875,849; Sept. 6.

Motto, Anthony J., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Printer concentrator system. 1,877,943; Sept. 20.

Mougey, Harry C., assignor to General Motors Research Corporation, Detroit, Mich. Cleaning metal. 1,872,091; Aug. 16.

Mougey, Harry, and C. R. Short, assignors to General Motors Research Corporation, Detroit, Mich. Cooling device. 1,865,877; July 5.

Mould, James A., Milwaukee, Wis., assignor to Gas Tool Patents Corporation, Chicago, Ill. Timer. 1,868,754; July 26.

Moulding, Thomas G., assignor to A C Spark Plug Company, Flint, Mich. Temperature indicator. 1,847,438; Mar. 1.

Moulding, Thomas G., assignor to A C Spark Plug Company, Flint, Mich. Pressure gage mechanism mounting. 1,847,439; Mar. 1.

Moulding, Thomas G., assignor to United Air Cleaner Corporation, Chicago, Ill. Air cleaner. 1,871,337; Aug. 9.

Moulet, Jean L. L. A. A., Boulogne-sur-Seine, assignor to Martin, Moulet & Cie., Gullins, France. Cock. 1,849,802; Mar. 15.

Moultrop, Willey H., San Francisco, Calif. Method of and apparatus for transporting pulverized substances. 1,859,562; Nov. 29.

Moulton, Arthur J., Islip, N. Y. Theater. 1,868,068; July 19.

Moulton, Forest R., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Method of and apparatus for motion picture projection. 1,868,843; May 31.

Moulton, John C., et al. (See Proffatt, Charles P., assignor.)

Moulton, Lloyd W., assignor to Gaylord Bros., Inc., Syracuse, N. Y. Printing machine. 1,881,090; Oct. 4.

Moulton, Lloyd W., Syracuse, N. Y. Centrifugal gang-casting machine. 1,885,405; Nov. 1.

Moulton, Samuel F., et al. (See Proffatt, Charles P., assignor.)

Moulton, Warren I., assignor of one-fourth to Alfred A. McDavitt, and one-fourth to Cornelius E. McLaughlin, Boston, Mass. Automobile window screen. 1,866,983; July 12.

Mount, William D., Lynchburg, Va. Dehydrator. 1,868,755; July 26.

Mountford, John E., jr. (See Miller, C. R., and Mountford.)

Mountjoy, Irvine C., Albany, and E. Whiteley, Berkeley, Calif. Spray pistol. 1,841,173; Feb. 9.

Mount Vernon-Woodberry Mills, Inc. (See Hoffacker, Ira C., assignor.)

Mountz, Ray C., Altoona, Pa. Four wheel brake mechanism. 1,866,479; July 5.

Mountz, Ray C., Altoona, Pa. Four wheel brake mechanism. 1,866,480; July 5.

Mourantseff, Ilia E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Space current device. 1,839,886; Jan. 5.

Mourantseff, Ilia E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Triode vacuum tube. 1,839,926; Jan. 5.

Mourantseff, Ilia E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multiunit tube. 1,853,632; Apr. 12.

Mousette, Oliver J., jr., Richmond Hill, N. Y. Washing machine. 1,881,851; Oct. 11.

Mouton, Paul, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 87,973; Oct. 18.

Mouton, Paul, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,000; Oct. 18.

Mouton, Paul, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,430; Nov. 29.

Mouton, Paul, Paris, France, assignor to Cheney Brothers, New York, N. Y. Textile fabric. Des. 88,431; Nov. 29.

Mowat, Oliver M., Youngstown, Ohio. Apparatus for serving tube finishing machines. 1,871,077; Aug. 9.

Mowry, George H. (See Saunders, C. F., and Mowry.)

Mowers, Jay A. (See Armstrong, W. O., and Mowers.)

Mowery, Leroy D. (See Hauserman, E. F., Mowery, and Bohnsack.)

Mowlds, Kenneth S., Hillcrest, and W. Seguine, jr., Newport, assignors, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Manufacture of sunfast and inert lithopone. 1,885,940; Nov. 1.

Moxey, John G., Philadelphia, Pa. Measuring and dispensing device. 1,873,624; Aug. 23.

Moxie Company, The. (See Stephens, Herbert, assignor.)

Moxley, Norman E., Ellicott City, Md. Automatic variable speed transmissions. 1,884,595; Oct. 25.

Moxley, William M., Marceline, Mo. Automatic controlling means for automobiles. 1,843,399; Feb. 2.

Moyen, John G., L. G. Maechtlen, and H. A. Duvall, assignors to Diamond Electrical Manufacturing Company, Inc., Los Angeles, Calif. Thermostatic switch. 1,852,468; Apr. 5.

Moyer, Charles L., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Rotary sole laying machine. 1,846,350; Feb. 23.

Moyer, Orville H., Danbury, Nebr. Tractor lug. 1,846,137; Feb. 23.

Moyer, William W., West Collingswood, N. J. Traveling lawn sprinkler for irrigating extensive surfaces. 1,885,620; Nov. 1.

Moyes, William R., assignor to Union Tool Chest Company, Inc., Rochester, N. Y. Receptacle with tray. 1,880,461; Oct. 4.

Moynan, Frederick K. O., Kingston on Soar, near Derby, England. Steam drier or dust extractor from gases. 1,867,465; July 12.

Mozni, Julius, Detroit, Mich. Wheel for airplanes. 1,844,100; Feb. 9.

Mrochem, Jacob. (See Mochalle, P., and Mrochem.)

Mross, Edward R., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Adjustable support for food mixers. 1,862,826; June 14.

Mross, Edward R., Racine, Wis., assignor to Hamilton Beach Manufacturing Company. Base for food mixer supports. 1,864,120; Oct. 25.

Mucher, John J., assignor to The Clarostat Manufacturing Company, Inc., Brooklyn, N. Y. Ballast resistance. 1,840,168; Jan. 5.

Müchler, Fritz, Mettmann, Germany. Hose clip. 1,849,948; Mar. 15.

Muchnic, Henry B., Atchison, Kans. Self-centering coupler carrier. 1,886,417; Nov. 8.

Muchnic, Henry E., assignor to Locomotive Finished Material Company, Atchison, Kans. Bearing and constructing same. 1,845,970; Jan. 26.

Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Door latch. 1,885,418; Nov. 1.

Muchnick, Arthur J., Elizabeth, N. J., assignor of one-half to B. Epstein, Brooklyn, N. Y. Clock display advertising unit. Des. 87,166; June 14.

Muckleston, Hugh B. (See Barbet, H. G., and Muckleston.)

Mudd, Frank X., Oak Park, Ill. Stock car. 1,877,944; Sept. 20.

Mudd, Garrett W., Chicago, Ill. Filling machine. 1,868,244; July 19.

Mudd, Garrett W., assignor, by mesne assignments, to Chicago Curled Hair Company, Chicago, Ill. Machine for forming channels in pads. 1,854,481; Apr. 19.

Mudd, Garrett W., assignor, by mesne assignments, to Chicago Curled Hair Company, Chicago, Ill. Producing an upholstery pad. 1,889,997; Dec. 6.

Mudd, Ora C., Edwardsville, Ill. Mechanical movement. 1,867,981; July 19.

Mudd, Rolla E., Chicago, Ill. Fitting and coupling element for lubricating devices. 1,848,538; Mar. 8.

Muehler, Lowell E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer for use at high temperatures. 1,857,515; May 10.

Muehlstein, Francis J., St. Paul, Minn. Duck call. 1,853,527; Apr. 26.

Mueller, Albert, Columbus, Nebr. Loose ear corn and vegetable harvesting device. 1,859,980; May 24.

Mueller, Albert B., Chicago, Ill., assignor, by mesne assignments, to Gardner-Denver Company, as trustee. Camera back and negative frame. 1,882,293; Oct. 11.

Mueller, Arthur A. (See Soete, William F., assignor.)

Mueller, Arthur E., Kansas City, Mo. Reducing apparatus. 1,887,942; Nov. 15.

Mueller Brass Co. (See Lindquist, David E., assignor.)

Mueller Brass Co. (See Rader, Harold K., assignor.)

Mueller Brass Co. (See Robinson, W. M., Lindquist, Rader, and Young, assignors.)

Mueller Brass Co. (See Robinson, W. M., and Rader, assignors.)

Mueller, Charles E., Cedar Rapids, Iowa. Device for destroying mites on fowls. 1,861,353; May 31.

Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Presser foot for sewing machines. 1,843,832; Feb. 2.

Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Top feeding mechanism. 1,857,602; May 10.

Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 1,860,901; May 31.

Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 1,860,902; May 31.

Mueller Co. (See Hawkins, Orville J., assignor.)

Mueller Co. (See Mueller, Frank H., assignor.)

Mueller Co. (See Mueller, R. H., and Albert, assignors.)

Mueller Co. (See Mueller, R. H., and Reedy, assignors.)

Mueller Co. (See Reedy, Emmett M., assignor.)

Mueller Co. (See Simpson, J. W., and Mueller, assignors.)

Mueller-Cunradi, Martin, and K. Pieroh, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of aldol. 1,881,853; Oct. 11.

Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and B. Ottens, Neuroessen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of highly concentrated paraffin wax. 1,881,861; Oct. 11.

Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and F. Eggert, Mannheim, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort - on - the - Main, Germany. Polymerization products of butylenes. 1,889,952; Dec. 6.

Mueller, Edmund M., Welcome, Minn. Refuse container. 1,867,676; July 19.

Mueller, Edward, Alma, Wis. Corn planter. 1,878,883; Sept. 20.

Mueller, Emil L., Rutherford, N. J. Slug holding form for printing machines. 1,854,215; Apr. 19.

Mueller, Emil L., Rutherford, N. J. Quick-change electroholder for printing machines. 1,865,478; July 5.

Mueller, Emil L., Rutherford, N. J. Safety device for printing presses and the like. 1,865,479; July 5.

Mueller, Emil M., and Amor to C. F. Goerz America Optical Company, New York, N. Y. Sighting device. 1,879,412; Sept. 27.

Mueller, Frank H. (See Simpson, J. W., and Mueller.)

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Gas meter hanger. 1,868,217; July 19.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Meter hanger. 1,891,193; Dec. 13.

Mueller, Frederick O., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,881,852; Oct. 11.

Mueller, Henry. (See Goss, E. L., and Mueller.)

Mueller, Herman C., Milwaukee, Wis. Amplifying circuit. 1,845,720; Feb. 16.

Mueller, Herman C., Milwaukee, Wis. Fluid gun. 1,880,354; Oct. 4.

Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Exhaust valve mechanism. 1,886,212; Nov. 1.

Mueller, John, Cleveland, Ohio. Guard for safety zones. 1,870,639; Aug. 9.

Mueller, Moritz L., Seattle, Wash., assignor to General Dry Kiln Company, Portland, Oreg. Lumber drying kiln. 1,840,523; Jan. 12.

Mueller, Otto, Detroit, Mich. Aircraft course calculator. 1,853,720; Feb. 16.

Mueller, Robert A. (See Gray, E., and Mueller.)

Mueller, Robert H., and C. B. Albert, assignors to Mueller Co., Decatur, Ill. Faucet. 1,872,787; Aug. 23.

Mueller, Robert H., and E. M. Reedy, assignors to Mueller Co., Decatur, Ill. Forming stem guides. 1,852,022; Apr. 5.

Mueller, Theodore E., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Pedestal. Des. 86,625; Mar. 29.

Mueller, Theodore E., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Sink. Des. 87,850; Sept. 27.

Mueller, Theophil W., Edwardsville, Ill. Parcel carrier for baby carriages. 1,875,107; Aug. 30.

Mueller, Werner. (See Holzach, K., Krzikalla, and Mueller.)

Mueller, Werner. (See Krzikalla, H., Holzach, and Mueller.)

Mueller-Stoll, Adolph, Sebewaing, Mich. Attachment plug receptacle. 1,861,223; May 31.

Muench, Eduard. (See Schumann, C., Muench, and Christ.)

Muench-Kreuzer Candle Co. (See Muench, Norbert C. H., assignor.)

Muench-Kreuzer Candle Co. Inc. (See Muench, Norbert, C. H., assignor.)

Muench, Norbert C. H., assignor to Muench-Kreuzer Candle Co. Inc., Syracuse, N. Y. Hanging lamp. Des. 87,935; Oct. 11.

Muench, Norbert C. H., assignor to Muench-Kreuzer Candle Co. Inc., Syracuse, N. Y. Base for hanging lamps. Des. 87,936; Oct. 11.

Muench, Norbert C. H., assignor to Muench-Kreuzer Candle Co. Inc., Syracuse, N. Y. Vase for candle lamps. Des. 87,974; Oct. 18.

Muench, Otto, Jacksonville, Fla. Aircraft. 1,850,890; Mar. 22.

Muench, Walter, Brooklyn, N. Y. Loud-speaker. 1,888,769; Nov. 22.

Muffett, Robert B., Ridgefield, Wash. Automobile attachment. 1,936,977; June 14.

Muffly, Glenn, Scarsdale, N. Y., assignor to Copeland Products, Inc. Expansion chamber for refrigerating mechanism. Re18,633; Oct. 18.

Muffly, Glenn, assignor to Copeland Products, Incorporated, Detroit, Mich. Refrigerating system. 1,842,995; Jan. 26.

Muffly, Glenn, assignor to Copeland Products, Inc., Detroit, Mich. Refrigerating mechanism. 1,878,798; Sept. 20.

Muffly, Glenn, Detroit, Mich., assignor to Copeland Products, Inc., Refrigerating system. 1,880,969; Oct. 4.

Mugdan, Martin. (See Meingast, R., and Mugdan.)

Muggleton, Gerald D., P. S. Brallier, H. C. Van Galder, and R. F. Webber, assignors to Niagara Smelting Corporation, Niagara Falls, N. Y. Method of and apparatus for mineral chlorination. 1,875,105; Aug. 30.

Muhlelsen, Henry W., assignor of one-half to R. M. Martin, Los Angeles, Calif. Animal trap. 1,864,664; June 28.

Muhlenbruch, Fred, Bronx, N. Y. Sprocket chain. 1,866,318; July 5.

Muhlfeld, John E. (See Havemeyer, H. O., jr., and Muhlfeld.)

Muhlfeld, John E., Scarsdale, N. Y. Lagging for boiler furnaces. 1,840,050; Jan. 5.

Muhlfeld, John E., Scarsdale, N. Y. Baffle wall. 1,857,320; May 10.

Muhlfeld, John E., Scarsdale, N. Y., and J. Gutteridge, Pittsburg, Kans. Duplex compound draft gear. 1,864,272; June 21.

Muhlhauser, Jacob, and D. G. Adams, assignors to Adams Grease Gun Corporation, New York, N. Y. High pressure coupler. 1,871,421; Aug. 9.

Mühlig, Ludwik, Bielsko, Poland. Screw. 1,872,166; Aug. 16.

Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Instrument for the implantation of radon seeds. 1,853,584; Apr. 12.

Muir, Robert J., Mosman, near Sydney, New South Wales, Australia. Lawn mower sharpener. 1,888,285; Nov. 22.

Muir, Wellington W., Lockport, N. Y. Radiator core for automobile cooling systems. 1,848,375; Mar. 8.

Muir, Wellington W., Lockport, N. Y. Radiator core for automobile cooling systems. 1,850,211; Mar. 22.

Muir, Wellington W., Lockport, N. Y. Radiator core for automobile cooling systems. 1,864,751; June 28.

Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator support. 1,860,783; May 31.

Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator core for automobile cooling systems. 1,878,511; Sept. 20.

Mulder, Johannes G. W. (See Oosterbuis, E., and Mulder.)

Mulder, Johannes G. W., Lockport, N. Y., assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifying installation. 1,852,893; Apr. 5.

Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Radio Corporation of America. Discharge tube having an indirectly heated cathode. 1,875,106; Aug. 30.

Mulder, Johannes G. W., Lockport, N. Y., assignor to N. V. Philips' Gloeilampen-Fabrieken, Eindhoven, Netherlands. Electric discharge tube. 1,882,671; Oct. 18.

Mulder, Peter J. (See Hoek, J., and Mulder.)

Muldoon, Ambrose, et al. (See Borowsky, Peter, assignor.)

Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Electric light socket. Des. 87,277; June 28.

Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Combined clock case and support therefor. 87,313; July 5.

Muldoon, Bernard F., Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Electric plug with make and break device. 1,856,260; May 3.

Muldoon, Bernard F., Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Flash light. 1,857,390; May 10.

Muldoon, Bernard F., Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Electric plug. 1,884,121; Oct. 25.

Muldoon, Michael, et al. (See Borowsky, Peter, assignor.)

Muldoon, Thomas, et al. (See Borowsky, Peter, assignor.)

Mulhern, William A., assignor to Curtis Lighting, Inc., Detroit, Mich. Lubricant seal. 1,872,788; Aug. 23.

Mulholland, David E., Burlington, N. J., assignor of one-third to W. S. Mulholland, Camden, N. J., one-third to F. C. Langenberg, Edgewater Park, N. J., and one-third to himself. Polishing machine. 1,847,416; Mar. 1.

Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 1,840,463; Jan. 12.

Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Annealing glassware. 1,846,566; Feb. 23.

Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer. 1,859,931; May 24.

Mulholland, Vergil, and W. T. Honiss, West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Heat regulator for leers. 1,866,366; July 5.

Mulholland, Walter S., et al. (See Mulholland, David E., assignor.)

Mulhollen, Harold S., Los Angeles, Calif. Traffic alarm for highways. 1,890,092; Dec. 6.

Mulka, Friedrich, Berlin-Siemensstadt, Germany. Controlling means for automatic lathes. 1,853,074; Apr. 12.

Mulkern, Joseph. (See Marrone, C., and Mulkern.)

Mullan, Edward F., Bala, Pa. Production of negatives without photography. 1,851,359; Mar. 29.

Mullan, Harry D., Milwaukee, Wis. Spark plug cleaner. 1,867,324; July 12.

Mullaney, Dudley A., Schenectady, N. Y., assignor to General Electric Company. Base for electric discharge devices. 1,847,886; Mar. 1.

Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Drying gases. 1,847,845; Mar. 1.

Mullen, George W., Flushing, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package and sealing. 1,863,025; June 14.

Mullen, George W., Flushing, Long Island, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Preserving. 1,881,855; Oct. 11.

Mullen, Helen M., administratrix. (See Mullen, William.)
Mullen, James F., jr., Chicago, Ill. Rail cleaner. 1,878,728 ; Sept. 13.
Mullen, James H., Jersey City, N. J. Windshield wiper. 1,888,326 ; Nov. 22.
Mullen, Mary H., Brigantine, N. J. Bottle. Des. 87,674 ; Aug. 30.
Mullen, William, deceased, New Bedford, Mass. ; II. M. Mullen, administratrix. Adjustable rake. 1,842,109 ; Jan. 19.
Mullendore, Harvey, assignor to Perfection Biscuit Company, Fort Wayne, Ind. Packaging machine. 1,881,859 ; Oct. 11.
Müller, Adolf M., Chemnitz in Sachsen, Germany. Needle operating mechanism. 1,867,087 ; July 12.
Muller, Alfred C., Chico, Calif. Dental guard. 1,875,108 ; Aug. 30.
Müller, Carl V. L. (See Zweifel, H., and Müller.)
Müller, Carl W., Dresden-Weisser Hirsch, assignor to the Firm "Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co., Dresden, Germany. Production of box or container with neck inserts. 1,842,189 ; Jan. 19.
Müller, Carl W., Dresden-Weisser Hirsch, Germany. Adhesive applying device for cigarette machines, in which the adhesive is forced out of reservoirs into distributing nozzles. 1,843,040 ; Jan. 26.
Muller, Carl W., Dresden-Weisser Hirsch, Germany. Tube-like container for cigars. 1,886,115 ; Nov. 1.
Muller, Clement, Modesto, Calif. Stationery rack. 1,868,756 ; July 26
Müller-Cunradi, Martin. (See Krauch, C., and Müller-Cunradi.)
Müller-Cunradi, Martin. (See Luther, M., and Müller-Cunradi.)
Müller-Cunradi, Martin. (See Pier, M., and Müller-Cunradi.)
Müller, Erich, Spandau, near Berlin, Germany. Pipe stopping apparatus. 1,849,824 ; Mar. 15.
Muller, Frans G. D., assignor to The Staytite Company, Houston, Tex., Valve casing. Des. 86,467 ; Mar. 8.
Muller, Fred W., Baltimore, Md. Steam heating apparatus. 1,874,203 ; Aug. 30.
Muller, George W., Vienna, Va., assignor to The Rail Joint Company, New York, N. Y. Spring plate holder for railroad road bed construction. 1,852,469 ; Apr. 5.
Muller, George W., Vienna, Va., assignor to The Rail Joint Company, New York, N. Y. Spring plate holder for railroad road bed construction. 1,852,532 ; May 3.
Müller, Gustav, Berlin-Steglitz, and C. Weinmann, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Apparatus for feeding wires. 1,867,418 ; July 12.
Müller, Gustav W. (See Fleckenstein, F., and Müller.)
Müller, Hans W., Charlottenburg, Germany, assignor to General Electric Company. Control system. 1,846,895 ; Feb. 23.
Muller, Hans-Hans. (See Schranz, K., and Muller.)
Müller, Heinrich, Nuremberg, Germany. Wheeled toy. 1,875,109 ; Aug. 30.
Muller, Henry, Lakewood, N. J. Counterbalanced file cabinet. 1,854,756 ; Apr. 19.
Müller, Herman, Philadelphia, Pa. Relief valve. 1,864,810 ; Oct. 25.
Müller, Herman, Philadelphia, Pa. Relief valve. 1,885,000 ; Oct. 25.
Muller, Jacques, La Garenne Colombes, France. Lubricating pump. 1,872,782 ; Aug. 23.
Müller, Jakob. (See Stocker, R., and Müller.)
Muller, Johann C. (See Stelzer, Franz H. B., assignor.) preventing deposit for gas meters. 1,847,015 ; Feb. 23.
Muller, John H., Brooklyn, assignor to The Consolidated Gas Company of New York, New York, N. Y. Fraud
Müller, Joseph, Berlin. Valve. 1,879,418 ; Sept. 27.
Müller, Karl, and P. Arnold, Scheibenberg, Germany. Steam cooking apparatus and closure therefor. 1,844,997 ; Feb. 16.
Müller, Karl, Stuttgart, and E. Hutzenlaub, Zuffenhausen, assignors to Firma Paul Lechler, Stuttgart, Germany. Apparatus for the preparation of emulsions. 1,842,877 ; Jan. 26.
Müller-Keuth, Wilhelm, Hanover, assignor to Firm Eisenwerk Wülfel, Hanover-Wülfel, Germany. Flexible elastic coupling. 1,869,232 ; Dec. 27.
Muller, Max, Leipzig-Reudnitz, assignor to the Firm Adolf Bleichert & Co., A.-G. Leipzig, Germany. Car for passenger conveyors. 1,863,570 ; Apr. 19.
Muller, Oscar, Hempstead, N. Y. Spring suspension for vehicles. 1,864,089 ; June 21.
Müller, Paul, Neu-Altschwil, near Basel, assignor to the Firm : J. G. Geigy S. A., Basel, Switzerland. Manufacture of tanning substances. 1,841,840 ; Jan. 19.
Müller, Paul, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Drive mechanism for the rolls of rolling mills. 1,864,090 ; June 21.
Müller, Richard, Mannheim, and L. Holzer, assignors to the Firm C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Recovery of purine bases. 1,848,740 ; Mar. 8.
Muller, Richard, Mannheim, and F. Voeller, Heidelberg, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Production of anhydrides of the lower fatty acid series. 1,859,786 ; May 24.
Müller, Richard K. (See Kraenzlein, G., and Müller.)
Müller, Richard K. (See Kränzlein, G., Müller, and Berlin.)
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Automatic inking device for printing ribbons. 1,841,139 ; Jan. 12.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding machine. 1,843,648 ; Feb. 2.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,844,070 ; Feb. 9.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Automatic bookkeeping machine. 1,854,216 ; Apr. 19.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Accounting machine. 1,864,273 ; June 21.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Accounting machine. 1,881,856 ; Oct. 11.
Müller, Rudolf, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New acid wool dyestuffs of the anthraquinone series and making same. 1,859,070 ; Oct. 4.
Müller, Ulrich, Kiel, assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschrankter Haftung, Berlin, Germany. Accelerating the action of breathing cartridges filled with peroxide. 1,852,786 ; Apr. 5.
Müller, Werner. (See Reddelien, G., and Müller.)
Müller, Wilhelm. (See Zu Löwenstein, K. P., and Müller.)
Müller, Wilhelm, and J. M. Mitchell, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of chemically pure phosphoric acid. 1,873,387 ; Aug. 23.
Mullgardt, Alexander S., assignor to Boeing Airplane Company, Seattle, Wash. Air flowing governing means. 1,843,666 ; Jan. 26.
Mulligan, Patrick J., Glenolden, Pa., assignor to Scott Paper Company. Manufacture of paper rolls. 1,860,115 ; July 19.
Mullin, Andrew B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mold separator. 1,880,462 ; Oct. 4.
Mullin, Andrew B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire remover. 1,880,463 ; Oct. 4.
Mullineaux, Charles G. (See Antisell, F. L., and Mullineaux.)
Mullins Manufacturing Corporation. (See Engel, Edward, assignor.)
Mullins Manufacturing Corporation. (See Horvath, Geza M., assignor.)
Mullins, William H., South Boston, Va. Show window. 1,880,147 ; Sept. 27.
Mulrey, John E., Trenton, N. J. Sewing chest. 1,858,105 ; May 10.
Multi-Color Press Corporation. (See Moscini, John, assignor.)
Multi-Color Sign Company, The. (See Heinz, Elmer A., assignor.)
Multigraph Company. (See Chisholm, Clifton, assignor.)
Multigraph Company. (See Demming, William J., assignor.)
Multigraph Company. (See Osborn, Henry C., assignor.)
Multiple Valve & Manufacturing Company, The. (See Aufuldish, John B., assignor.)
Multiplex Faucet Company. (See Jackson, Charles G., assignor.)
Multiplex Gasfernzunder-Gesellschaft m. b. H., The Firm. (See Hanyzer, B., and Behm, assignors.)
Multipost Company. (See Gay, Azel, assignor.)
Multipost Co. (See Gaselin, W. and Gay, assignors.)
Multiwheel Road Machine Company. (See Wright, Thomas P., assignor.)
Mulvaney, Lewis J., New York, N. Y. Golf teeing machine. 1,863,140 ; June 14.
Mulvany, Harry A., Berkeley, Calif. Method and apparatus for controlling electric circuits. 1,864,049 ; June 21.
Mulvey, Lester W., Lynn, Mass. Game. 1,882,294 ; Oct. 11.
Mumma, Mercides V. (See McCown, D. R., and Mumma.)
Munce, Marshall, Richmond, Va. Refrigeration apparatus. 1,875,254 ; Aug. 30.
Münch, Carl, Mittelbiberach, Germany, assignor, by mesne assignments, to The Champion Coated Paper Company, Hamilton, Ohio. Process and apparatus for applying solutions. 1,847,065 ; Feb. 23.
Munch, Gustave E., Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Holding device for reflecting elements. 1,882,438 ; Oct. 11.
Muncie Gear Company. (See Peck, William W., assignor.)
Munday, A. F. (See Shoenberg, Milton H., assignor.)
Munday, Horace D., Schenectady, N. Y. Brush holder device for truing commutators. 1,844,174 ; Feb. 9.
Munday, Richard B., assignor to Rinehart-Whelan Company, Dayton, Ohio. Fitting. 1,843,487 ; Feb. 2.
Munday, Richard B., Dayton, assignor, by mesne assignments, to The Cincinnati Ball Crank Co., Cincinnati, Ohio. Liquid dispensing container. 1,865,269 ; June 28.
Munday, Richard B., Dayton, assignor, by mesne assignments, to The Cincinnati Ball Crank Co., Cincinnati, Ohio. Fluid measure. 1,887,276 ; Nov. 8.

Munden, Isaac W., Tampa, Fla. Wheel aligning gauge. 1,850,212; Mar. 22.
Mundo Products, Inc. (See Stamer, Frank R., assignor.)
Mundorf Heating Systems Company. (See Mundorf, James J., assignor.)
Mundorf, James J., assignor to Mundorf Heating Systems Company, Sharon, Pa. Automatic controlling means for heating systems. 1,879,706; Sept. 27.
Mundorf, James J., assignor to The Mundorf Heating Systems Company, Sharon, Pa. Radiator casing. 1,891,169; Dec. 13.
Munzer, J. Fred. (See Ames, E. E., and Munger.)
Munzer, Reuben C., Birmingham, Ala. Fishhook releaser. 1,851,370; Mar. 29.
Municipal Sanitary Service Corporation. (See Raisch, William, assignor.)
Municipal Street Sign Co. (See Sprung, Abraham, assignor.)
Munitex Corporation. (See Stocker, Ernst, assignor.)
Munk, Max M., Washington, D. C. Aircraft propeller. 1,864,848; June 28.
Munk, Max M., Washington, D. C. Impulse fan. 1,870,842; Aug. 9.
Mun-Kee Products Corporation. (See Hunter, Warren N., assignor.)
Munkel, Adolph E., Columbus, Ohio. Heating apparatus. 1,877,421; Sept. 13.
Munkwitz, Richard C. (See Zern, L. D., and Munkwitz.)
Munn, Charles G., assignor to Reynolds Spring Company, Jackson, Mich. Spring construction. 1,866,664; July 12.
Munn, Elvin R., Humansville, assignor of one-eighth to O. Cary Dunnegan, Mo. Rotary engine. 1,841,841; Jan. 19.
Munny Manufacturing Company, The. (See Bollman, Roland E., assignor.)
Munoz, Gonzalo C. (See Watson, D. M., and Munoz.)
Munoz, Gonzalo C., assignor to The American Pulley Company, Philadelphia, Pa. Pile shoe. 1,879,414; Sept. 27.
Munro, Alexander C., Britannia Beach, British Columbia, Canada. Ball forming machine. 1,890,693; Dec. 13.
Munro, Alexander L., assignor to Smith Engineering Works, Milwaukee, Wis. Vibratory screen. Re18,530; July 5.
Munro, Alexander L., assignor to Smith Engineering Works, Milwaukee, Wis. Gravel washer. 1,861,578; June 7.
Munro, Harold W., Providence, R. I. Toothbrush holder. 1,847,253; Mar. 1.
Munro, Jean. (See Oliver, Vincent, assignor.)
Munro, Thomas, Philadelphia, Pa. Spring suspension of vehicles. 1,859,104; May 17.
Munro, Thomas, Philadelphia, Pa. Spring suspension of vehicles. 1,859,105; May 17.
Munroe, Thomas, Dayton, Ohio. Combination card and detachable pencil. 1,877,019; Sept. 13.
Munroe, Treadway B., assignor to The Celotex Company, Chicago, Ill. Wallboard and joint made therewith. 1,841,757; Jan. 19.
Munroe, Treadway B., assignor to The Celotex Company, Chicago, Ill. Wallboard and joint made therewith. 1,881,420; Oct. 4.
Munroe, Treadway B., and E. C. Lathrop, assignors to The Celotex Company, Chicago, Ill. Preparation and preservation of fiber. 1,854,557; Apr. 19.
Munroe, Treadway B., and E. C. Lathrop, assignors to The Celotex Company, Chicago, Ill. Protective treatment of fiber products. 1,880,971; Oct. 4.
Munroe, Treadway B., and E. C. Lathrop, assignors to The Celotex Company, Chicago, Ill. Treatment of fiber products. 1,880,972; Oct. 4.
Munroe, Treadway B., and F. A. Irvine, assignors to The Celotex Company, Chicago, Ill. Fiber derivative. 1,881,419; Oct. 4.
Munsingwear Corporation, The. (See Martz, Nicholas L., assignor.)
Munson, Arthur J., Plainfield, N. J., assignor to The Wood Newspaper Machinery Corporation, New York, N. Y. Fountain construction for printing presses. 1,888,240; Nov. 22.
Munson, Harry, Wantagh, assignor to Van Kannel Revolving Door Company, New York, N. Y. Brake for revolving doors. 1,849,913; Feb. 16.
Munson, John M. (See Becker, L. A., and Munson.)
Munson, John M., Lakewood, Ohio. Composite bag. 1,868,069; July 19.
Munson, Lawrence J., San Francisco, Calif. Removable gunstock for pistols. 1,877,016; Sept. 13.
Munters, Carl G. (See von Platen, B. C., and Munters.)
Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Absorption refrigerating apparatus. 1,841,293; Jan. 12.
Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,849,685; Mar. 15.
Munters, Carl G., assignor to Platen-Munters Refrigerating System Aktiebolag, Stockholm, Sweden. Refrigeration. 1,859,455; May 24.
Munters, Carl G., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Fluid heat transfer system. 1,882,026; Oct. 11.
Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. Re18,665; Nov. 22.
Munters, Carl G., and E. M. Bäckström, assignors to Platen-Munters Refrigerating System Aktiebolag, Stockholm, Sweden. Refrigeration. 1,864,608; June 28.
Muntner, Joseph M. (See Hull, G. D., Neitz, Muntner, Buettner, and Birbaum.)
Munz, Elmer G., Detroit, Mich. Automatic control for irrigating systems. 1,867,022; July 12.
Munz, Ernest Z., Springfield, Ohio. Spraying device. 1,873,625; Aug. 23.
Münz, Ferdinand. (See Keller, K. and Münz.)
Münz, Ferdinand, and K. Keller, Frankfort-on-the-Main-Fechenheim, and Fritz Günther, Ludwigshafen-on-the-Rhine, assignors, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wetting, cleansing, and emulsifying agent and making same. 1,857,022; May 17.
Münze, Carl, Spandau-Elswerder, Germany, assignor, by mesne assignments, to Keyes Container Corporation, Boston, Mass. Apparatus for the manufacture of hollow bodies from fiber pulp. 1,845,804; Feb. 16.
Münzel, Heinrich. (See Lommel, W., and Münzel.)
Münzer, Erich, Berlin, Germany, assignor to Firma Tasma-Additionsmaschinen G. m. b. H., Berlin, Germany. Calculating machine. 1,851,401; Mar. 29.
Münzinger, Frederick, Berlin, Germany. Long distance conduit for conveying fluid at high pressure. 1,850,133; Mar. 22.
Murad, Walter, Burlingame, assignor to Paramount Electric Mfg. Co., San Francisco, Calif. Switch. 1,845,510; Feb. 16.
Murch, Wilfred M., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of halogen derivatives of benzanthrone. 1,851,019; Mar. 29.
Murch, Wilfred M., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Pyranthrone vat dye and making same. 1,884,122; Oct. 25.
Murchison, Sidnor L. (See Hall, James L., assignor.)
Murck, Knud, Forest Hills, N. Y., assignor to Charles Bruning Company, Inc. Machine for developing sensitized paper. 1,856,926; May 3.
Murck, Knud, Forest Hills, N. Y., assignor to Charles Bruning Company, Inc. Negative tracing cloth and making same. 1,857,763; May 10.
Murck, Knud, Forest Hills, N. Y., assignor to Charles Bruning Company, Inc. Blueprinting machine. 1,861,607; June 7.
Murck, Knud, Forest Hills, N. Y., assignor to Charles Bruning Company, Inc. Sensitized paper developing apparatus. 1,891,722; Dec. 20.
Murdoch, Charles P., Lansdale, Pa. Closure or cap for collapsible tubes. 1,850,103; Sept. 27.
Murdock, Ashby G., Petersburg, Va. Corner bracket. 1,887,459; Nov. 8.
Murdock, Charles M., Maywood, Calif. Tuning collet shifter. 1,873,636; Aug. 23.
Murdock, Clifford J., Mayer, Ariz. Toy gun. 1,890,403; Dec. 6.
Murdock, George J., Newark, N. J. Position indicator for micrometer calipers and gauges. 1,890,404; Dec. 6.
Murdock, Harold R., assignor to The Champion Fibre Company, Canton, N. C. Extracting water-soluble substances from raw fibrous materials containing the same and for simultaneously forming the fibrous materials into a web, and a system of apparatus therefor. 1,861,933; June 7.
Murdock, William A. (See Kuehne, W., and Murdock.)
Murdock, William J., assignor of one-half to G. D. Walthall, Clinton, Ind. Bucket. 1,849,954; Mar. 15.
Murff, Mabel M., Lawton, Okla. Roasting pan. 1,874,791; Aug. 30.
Muris, Franz. (See Zitscher, A., and Muris.)
Murka, Vernon, Dayton, Ohio. Crutch. 1,870,921; Aug. 9.
Murkham, Leonard W., and D. T. Bennett, London, England. Electrodynamic sound reproducing device. 1,846,351; Feb. 23.
Murnane, Cornelius, Melbourne, Victoria, assignor of one-half to Thompson Engineering & Pipe Company Limited, Castelmaine, Victoria, Australia. Farm tractor. 1,873,458; Aug. 23.
Muros, Joseph, Astoria, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,850,240; Mar. 22.
Muros, Joseph, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,847,887; Mar. 1.
Muros, Joseph, New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,859,106; May 17.
Muros, Joseph, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety-razor. 1,882,295; Oct. 11.
Muros, Joseph, New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,890,333; Dec. 6.
Muros, Joseph, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,890,334; Dec. 6.

Muros, Joseph. New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety Razor. 1,891,627; Dec. 20.

Murphey, Floyd M., assignor, by mesne assignments, of one-half to Lennwee Textiles, Inc., Adrian, Mich. Tufting machine. 1,892,161; Dec. 27.

Murphree, James M., Troy, Ala. Top spinner. 1,890,043; Dec. 6.

Murphy, A. B. (See Smith, Bennie H., assignor.)

Murphy, Alfred J., New York, N. Y. Display cabinet for rugs and other textile fabrics. 1,891,454; Sept. 20.

Murphy, Alphonsus F. and W. Jones, Zanesville, assignors to The American Rolling Mill Company, Middletown, Ohio. Treating silicon steel. 1,873,659; Aug. 23.

Murphy, Daniel S., Galveston, Tex. Signal. 1,864,752; June 28.

Murphy, Daniel H., West Hartford, Conn., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical cable. 1,863,347; June 14.

Murphy, David F., and S. Schneider, Oakland, Calif. Rotary dinnerbell. 1,877,017; Sept. 13.

Murphy, Edward A. (See Chapman, W. H., Pounder, and Murphy.)

Murphy, Edward A. (See Twiss, D. F., and Murphy.)

Murphy, Edward A. (See Twiss, D. F., Purkis, and Murphy.)

Murphy, Edward A., Wylde Green, and A. Niven, Birmingham, assignors to Dunlop Rubber Company Limited, Birmingham, England. Making articles from organic substances. 1,849,249; Mar. 8.

Murphy, Edward A., Wylde Green, R. G. James, Birmingham, and D. F. Twiss, Wylde Green, assignors to Dunlop Rubber Company Limited, Birmingham, England. Manufacture of rubber articles. 1,886,351; Nov. 1.

Murphy, Edward A., and D. F. Twiss, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited. Process and device for the direct production of filaments and threads. 1,889,102; Nov. 29.

Murphy, Edward J., Framingham, Mass. Calking tool. 1,848,083; Mar. 1.

Murphy, Edward J., Framingham, Mass. Plumb bob hanger. 1,874,057; Aug. 30.

Murphy, Edwin R., Oakland, Ill. Hydraulic transmission. 1,888,881; Nov. 22.

Murphy, Francis, New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,667; Dec. 13.

Murphy, Francis L., Harrison, N. Y. Perpetual calendar. 1,871,755; Aug. 16.

Murphy, Frank J., Floral Park, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Circuit breaker. 1,839,329; Jan. 5.

Murphy, Frank J., Danbury, Conn. Machine for treating furs. 1,882,439; Oct. 11.

Murphy, George F., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,849,848; Mar. 15.

Murphy, George F., Philadelphia, Pa. Pipe coupling. 1,852,212; Apr. 5.

Murphy, Howard B., Watsonville, Calif. Cultivator. 1,861,544; June 7.

Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,847,357; Mar. 1.

Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,881,857; Oct. 11.

Murphy, Hoyt M., Hermleigh, Tex. Terracing and ditching machine. 1,881,271; July 26.

Murphy, James F., assignor of one-half to J. W. Gleason, Lansing, Mich. Rack and gear jack. 1,850,513; Mar. 22.

Murphy, James J., Terryville, Conn., assignor to Eagle Lock Co., New York, N. Y. Lock. 1,842,559; Jan. 26.

Murphy, John B., Cottonwood, Ala. Elevator safety appliance. 1,886,213; Nov. 1.

Murphy, John S., Monterey Park, Calif. Method and apparatus for extinguishing gas and oil well fires. 1,857,783; May 10.

Murphy, Levi J., and E. L. Stauffer, Spokane, Wash. Foldable extension counter shelf. 1,890,743; Dec. 13.

Murphy, Melick E., and C. B. Murphy, assignors to Sterling Photo Manufacturing Co., Beaver Falls, Pa. Film-developing tank. 1,866,521; July 5.

Murphy, P., Company. (See Bonsall, Charles D.) assignor.)

Murphy, P. H., Company. (See Gilpin, Garth G., assignor.)

Murphy, P. H., Company. (See Murphy, Walter P., assignor.)

Murphy, P. H., Company. (See Small, Arthur E., assignor.)

Murphy, Paul B., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,862,578; June 14.

Murphy, Ralph, and E. S. Marks, assignors, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Crank case ventilating means for internal combustion engines. 1,869,575; Aug. 2.

Murphy, Richard E., Pittsburgh, Pa., assignor to Sullivan Machinery Company. Drilling mechanism. 1,848,376; Mar. 8.

Murphy, Roger N., Rome, assignor to General Cable Corporation, New York, N. Y. Cable laying plow. 1,886,510; Nov. 8.

Murphy, Thomas W., Camden, N. J., and W. Czarnecki, Eddington, assignors to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Fluid control device. 1,841,140; Jan. 12.

Murphy, Thomas W., Camden, N. J., and W. Czarnecki, Eldington, assignors to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Quenching system. 1,848,645; Mar. 8.

Murphy Wall Bed Co. (See Murphy, William L., assignor.)

Murphy, Walter M., Motors Company. (See Bresee, La Mar, assignor.)

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway tank car. 1,841,417; Jan. 19.

Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,846,812; Feb. 23.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Grab iron for railway cars. 1,850,353; Mar. 22.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Wall for railway cars. 1,853,169; Apr. 12.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,853,170; Apr. 12.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,859,312; May 24.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Tank for railway cars. 1,859,338; May 24.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,859,339; May 24.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,868,335; July 19.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,877,422; Sept. 13.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,877,423; Sept. 13.

Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Hopper car construction. 1,888,327; Nov. 22.

Murphy, William H., et al. (See Dieckmann, Max, assignor.)

Murphy, William L., New York, N. Y., assignor to Murphy Wall Bed Co., San Francisco, Calif. Bed. 1,852,623; Apr. 5.

Murrall, Florance, Mayfield, N. Y. Apron. Des. 87,675; Aug. 30.

Murray Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Drying photographic plates or films. 1,849,244; Mar. 15.

Murray, Alexander, c/o Timuru, New Zealand. Peg top. 1,841,198; Jan. 12.

Murray, Bertha R. (See White, John C., assignor.)

Murray Body Corporation. (See Meesta, Marvin W., assignor.)

Murray, Charles R., assignor to Barnhart Bros. & Spindler, Chicago, Ill. Printing type. 1,853,019; Apr. 5.

Murray, Christopher W. Tonawanda, assignor to Niagara Falls Smelting & Refining Corporation, Buffalo, N. Y. Contact device. 1,890,822; Dec. 13.

Murray Company, The. (See Behle, Joseph, assignor.)

Murray Company, The. (See Behle, J., and Hodde, assignors.)

Murray Company, The. (See Hancock, William L., assignor.)

Murray Company, The. (See Hancock, William L., and Woodford, assignors.)

Murray Corporation of America, The. (See Anderson, Roy F., assignor.)

Murray Corporation of America, The. (See Graebner, O. R., and Vehko, assignors.)

Murray Corporation of America, The. (See Northup, Amos E., assignor.)

Murray Corporation of America, The. (See Vehko, James, assignor.)

Murray Corporation of America, The. (See Westrope, Fred J., assignor.)

Murray Corporation of America, The. (See Widman, Charles H., assignor.)

Murray, D. J., Manufacturing Company. (See Bassler, Edwin M., assignor.)

Murray, Donald, Pittsburgh, Pa. Suspension chair. 1,839,579; Jan. 5.

Murray, Duncan C. (See Jones, T., Barker, and Murray.)

Murray, Edward H., Freeport, N. Y. Golf game. 1,862,093; June 7.

Murray, Henry L., Auckland, assignor to The Te Aroha Dairy Company Limited, Te Aroha, New Zealand. Method of and apparatus for deodorizing and dehydrating fluids. 1,864,849; June 28.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,314; Nov. 15.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,315; Nov. 15.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,316; Nov. 15.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,317; Nov. 15.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,318; Nov. 15.

Murray, Herman S., Woodmere, assignor to W. Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,385; Nov. 22.

Murray, Herman S., Woodmere, assignor to W. Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,386; Nov. 22.

Murray, Herman S., Woodmere, assignor to W. Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,387; Nov. 22.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,432; Nov. 29.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,433; Nov. 29.

Murray, Herman S., Woodmere, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,434; Nov. 29.

Murray, Herman S., Woodmere, N. Y., assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,668; Dec. 13.

Murray, Howard J., New York, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Power transmission mechanism. 1,949,722; Mar. 13.

Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Cone type synchronizer for axially movable clutches. 1,853,988; Apr. 12.

Murray, John. (See Cantor, Jacob J., assignor.)

Murray, John D., San Francisco, assignor, by mesne assignments, to G. M. Co., Oakland, Calif. Spraying apparatus and method. 1,855,457; Apr. 26.

Murray, John F., et al., executors. (See Murray, Thomas E., assignor.)

Murray, John F., executor. (See Murray, T. E., and Baker.)

Murray, John F., et al., executors. (See Phelps, George H.)

Murray, John F., Brooklyn, N. Y., assignor to Metropolitan Device Corporation. Conduit forming apparatus and process. 1,887,244; Nov. 8.

Murray, John J., Yonkers, N. Y. Display device. 1,858,337; May 17.

Murray, Joseph B., et al., executors. (See Murray, Thomas E., assignor.)

Murray, Joseph B., executor. (See Murray, T. E., and Baker.)

Murray, Joseph B., assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Seal. 1,878,991; Sept. 20.

Murray, Louis W. (See Seabury, R. L., and Murray.)

Murray Man Management Corporation. (See Murray, Thomas E., assignor.)

Murray Management Corporation. (See Phelps, G. H., and Bennett, assignors.)

Murray, Michael E. (See Berg, Charles C., assignor.)

Murray, Norris F., Hinsdale, Ill., assignor to Michigan Wire Goods Company, Niles, Mich. Wire scoop. 1,878,046; Aug. 9.

Murray Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)

Murray, Paxton P., Montebello, Calif. Automatic joint breaker. 1,839,330; Jan. 5.

Murray, Paxton P., Montebello, Calif. Automatic joint breaker. 1,856,593; May 3.

Murray Radiator Corporation. (See Phelps, George H., assignor.)

Murray, Robert C., assignor to Economics Laboratory, Inc., St. Paul, Minn. Making sodium resinate. 1,881,858; Oct. 11.

Murray, Roy S., et al. (See Shontz, Harry W., assignor.)

Murray, Thomas E. (See Phelps, George H., assignor.)

Murray, Thomas E., Brooklyn, N. Y., assignor to Murray Management Corporation, Radiator. 1,840,598; Jan. 12.

Murray, Thomas E., deceased, Brooklyn N. Y., J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Corporation. Heat conducting tube. 1,844,407; Feb. 9.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Device Corporation. Floor or wall structure and method of building. 1,845,700; Feb. 16.

Murray, Thomas E., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,850,287; Mar. 22.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Hydraulic system for handling ashes and the like. 1,854,907; Apr. 19.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Device Corporation. Electric conductor. 1,856,109; May 3.

Murray, Thomas E., deceased, Brooklyn, N. Y., by J. F. Murray, J. B. Murray, and T. E. Murray, jr., Brooklyn, N. Y., executors, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,861,446; June 7.

Murray, Thomas E., deceased, Brooklyn, N. Y., by J. F. Murray, J. B. Murray, and T. E. Murray, jr., Brooklyn, N. Y., executors, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,861,448; June 7.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler. 1,862,167; June 7.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Hollow fitting. 1,863,269; Oct. 4.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Corporation. Circuit controlling mechanism. 1,885,535; Nov. 1.

Murray, Thomas E., deceased, Brooklyn, N. Y., by J. F. Murray, J. B. Murray, and T. E. Murray, jr., executors, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,885,536; Nov. 1.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler. 1,886,214; Nov. 1.

Murray, Thomas E., deceased; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Storage device. 1,887,245; Nov. 8.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Radiator and the like. 1,890,620; Dec. 13.

Murray, Thomas E., deceased, Brooklyn, and R. Baker, East Rockaway, N. Y.; said Baker assignor to said Murray; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors of said T. E. Murray, deceased, assignors to Metropolitan Device Corporation. Electric gallery and related parts. 1,867,706; July 19.

Murray, Thomas E., jr., et al., executors. (See Murray, Thomas E.)

Murray, Thomas E., jr., executor. (See Murray, T. E., and Baker.)

Murray, Thomas E., jr., et al., executors. (See Phelps, George H.)

Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation. Fused circuit breaker and method. 1,843,239; Feb. 2.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,845,435; Feb. 16.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Manufacture of vehicle frames. 1,846,567; Feb. 23.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation. Fuse mechanism. 1,850,213; Mar. 22.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,861,447; June 7.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Production of radiators. 1,886,715; Nov. 8.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Manufacture of radiators. 1,886,830; Nov. 8.

Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Making axle housings. 1,887,494; Nov. 15.

Murray, Thomas E., jr., Brooklyn, and F. C. Reynolds, New York, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator inclosure. 1,885,537; Nov. 1.

Murray, Thomas F., jr., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing ethyl cyclopentanone carboxylate. 1,880,464; Oct. 4.

Murray Thomas F., jr., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing benzyl aniline. 1,880,465; Oct. 4.

Murray, Wallace J. (See Davis, H. S., and Murray.)

Murray, William J., St. Paul, Minn. Refrigerator barrel. 1,847,254 : Mar. 1.

Murray, William S. (See Gray, D., Bailey, and Murray.)

Murray, William S., Utica, assignor to Oneida Community, Limited, Oneida, N. Y. Recovery of Indium. 1,839,800 ; Jan. 5.

Murray, William S., Utica, assignor to Oneida Community, Limited, Oneida, N. Y. Obtaining indium and zinc from ores containing the same. 1,847,622 ; Mar. 1.

Murray, William S., Utica, assignor to Oneida Community, Limited, Oneida, N. Y. Method of and apparatus for pressing materials into molds. 1,886,831 ; Nov. 8.

Murrill, Paul I., East Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Fatty oil composition. 1,852,787 ; Apr. 5.

Murrill, Paul I., East Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Mineral oil composition. 1,852,788 ; Apr. 5.

Murrill, Paul I., East Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Soap manufacture. 1,852,820 ; Apr. 5.

Murrill, Paul I., East Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Vulcanizing rubber. 1,884,123 ; Oct. 25.

Murrill, Paul I., East Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Vulcanizing rubber. 1,884,124 ; Oct. 25.

Murrow, William R., assignor to Mitchell & Murrow, Independence, Kans. Oil well torpedo. 1,884,125 ; Oct. 25.

Mursch, John, Teaneck, N. J., assignor to J. Gatti, New York, N. Y. Producing moldable compound. 1,869,400 ; Aug. 2.

Mursch, John, Teaneck, N. J., assignor to J. Gatti, New York, N. Y. Producing sheeted compounds. 1,869,491 ; Aug. 2.

Murton, Crawford B., Chicago Heights, assignor to Inland Steel Company, Chicago, Ill. Making metal bar and fence posts. 1,847,226 ; Mar. 23.

Murton, Trevoe G. (See Guy, Frederick M., assignor.)

Murufas, Menelaus, Los Angeles, Calif. Advertising device. 1,848,646 ; Mar. 8.

Muscarella, Samuel, Nunda, N. Y. Machine for cementing leather taps on shoes. 1,856,965 ; May 3.

Museheck, George E., assignor to Museheck Shoe Company, Dansville, N. Y. Footwear. 1,850,977 ; Mar. 22.

Museheck Shoe Company. (See Museheck, George E., assignor.)

Musgrave, Joseph L., London, England. Electromagnetic double control valve. 1,882,392 : Oct. 11.

Musham, Harry A., assignor to H. C. Heaton, Chicago, Ill. Hydraulic brake. 1,847,355 ; Mar. 1.

Musher, Sidney, Washington, D. C. Food product. 1,841,842 ; Jan. 19.

Musher, Sidney, et al. (See Taube, Gustav, assignor.)

Muslar, Nelson. (See Graves, Samuel A.)

Musolf, Herbert G., Long Beach, Calif. Pump. 1,864,609 ; June 28.

Muss, Wilhelm, Hanover, Germany. Heavier-than-air aircraft. 1,859,107 ; May 17.

Musselman, Alfred J. (See Sibha, G. J., and Musswaik.)

Musselman, Alvin J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Insulating hub for protecting tires. 1,841,396 ; Jan. 12.

Musselman, Alvin J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making pneumatic wheels. 1,875,390. Sept. 6.

Musselman, Alvin J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making pneumatic tire wheels. 1,875,643 ; Sept. 6.

Musselman, Alvin J., Chicago, Ill., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making tires. 1,846,269 ; Feb. 23.

Musselman, Alvin J., Ellyn, Ill., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Balloon tire and wheel. 1,876,068 ; Sept. 6.

Musselman, Alvin J., Tonawanda Falls, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic wheel. 1,877,360 ; Sept. 13.

Mussen, Thomas C., Toronto, Ontario, Canada. Vehicle wheel. Des. 86,327 ; Feb. 23.

Mussen, Thomas C., Toronto, Ontario, Canada. Vehicle wheel. 1,841,947 ; Jan. 12.

Musser, William H., Chicago, Ill., assignor, by mesne assignments, to Pullman Car & Manufacturing Corporation. Railway car truck. 1,862,156 ; June 7.

Musser, William H., Chicago, and J. R. Rudolph, Homewood, Ill., assignors, by mesne assignments, to Pullman Car & Manufacturing Corporation. Welded bopper car. 1,859,261 ; May 17.

Musso, Alfred, East Orange, N. J., assignor of one-half to W. P. Deppe, New York, N. Y. Retort furnace. 1,841,625 ; Jan. 19.

Musso, Alfred, East Orange, N. J., assignor of one-half to W. P. Deppe, New York, N. Y. Retort furnace. 1,841,626 ; Jan. 19.

Mustad, O., & Son. (See Southwell, Frank, assignor.)

Mustad, O., & Son. (See Topp, Mathias, assignor.)

Mustard, Fred, et al. (See Tumulty, C. L. and F. H.)

Mustin, Ernest. (See Herwig, V., and Mustin.)

Musto-Keenan Company. (See Mills, Dudley M., assignor.)

Mustonen, Henry T., Little Neck, N. Y. Pneumatic lift apparatus. 1,877,683 ; Sept. 13.

Muszynski, Antoni, Easthampton, Mass. Oil tank pedestal. Des. 88,669 ; Dec. 13.

Mutchler, Arthur W., and A. L. Leopold, Brooklyn, assignors to Julius Kayser & Co., New York, N. Y. Stocking and knitting same. 1,890,299 ; Dec. 6.

Muter Company, The. (See Cole, Albert IL, assignor.)

Muter Company, The. (See McWeeny, John L., assignor.)

Mutersbaugh, Gordon H., Rocky River, Milton Zucker, H. D. Heiser, Lakewood, and W. A. Shope, Cleveland, assignors to the Glidden Company, Cleveland, Ohio. Nitrocellulose lacquer. 1,856,653 ; Mar. 3.

Muth, Clifford F. (See Balbiku, I. A., and Muth.)

Muth, Clifford F., Cincinnati, Ohio. Machine for and method of embedding reenforcing wire in wax beehive foundations. 1,849,331 ; Mar. 15.

Muth, Emil, Saarbrucken, Germany. Apparatus for conveying goods in bales, sacks or the like. 1,879,944 ; Sept. 27.

Muth, Friedrich, Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Indophenol azine compounds. 1,867,863 : July 19.

Muth, Friedrich, Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Thioxanthenindophenols of the carbazole type. 1,885,037 ; Oct. 25.

Muth, Friedrich, and A. Schmelzer, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 1-amino-carbazole. 1,878,168 ; Sept. 20.

Muther, Lorenz F. (See Spry, William M., assignor.)

Mutrux, Marcel, and R. Calliet, Vevey, Switzerland. Valve operating means. 1,879,415 : Sept. 27.

Mutschel, Oscar J., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 1,858,900 ; May 24.

Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Co., Inc., Long Island City, N. Y. Vacuum tube discharge device. Re18,694 ; Dec. 29.

Mutscheller, Arthur, New York, assignor to Wappler Electric Company, Inc., Long Island City, N. Y. Methods of and apparatus for controlling the direction of X-rays. 1,865,441 ; July 5.

Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. Electric system for energizing cutting electrodes. 1,873,009 ; Nov. 29.

Mutscheller, Arthur, New York, N. Y., and C. J. Larsen, East Orange, N. J., assignors to Wappler Electric Company, Inc., Long Island City, N. Y. Cystoscopic X-ray table. 1,871,005 ; Aug. 9.

Mutschler, Albert, assignor to A & H G Mutschler Inc., Rochester, N. Y. Feeding apparatus. 1,859,372 ; May 24.

Mutschler, Henry G., Rochester, N. Y., and H. Whittaker, Montreal, Quebec, Canada. Movable poster display apparatus. 1,879,416 ; Sept. 27.

Mutschler, Hugo, Lindelfingen, Germany, assignor to International Time Recording Company of New York, Endicott, N. Y. Time recorder. 1,882,863 ; Oct. 18.

Mutschler Inc., A & H G. (See Mutschler, Albert, assignor.)

Mutter, Karl, Triptis, Germany. Loom. 1,889,076 ; Nov. 29.

Mutton Hollow Fire Brick Company. (See Ryan, J. F., and Stegmayer, assignors.)

Mutual Engineering Corporation. (See Palmquist, Carl E., assignor.)

Muzzioli, Gaetano, Milan, Italy. Process for printing inscriptions and drawings intended to be placed upon wood, fabric and other absorbent materials. 1,879,417 ; Sept. 27.

Muzzipapa, Rosario. (See De Rienzo, F., and Muzzipapa.)

Muzzy, Chester J., and W. J. Gannon, Baker, Oreg. Valve rope lock inserter. 1,851,681 ; Mar. 29.

Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Automobile liquid level indicator. 1,858,411 ; May 17.

Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Combined vacuum tank and pressure pump. 1,860,688 ; May 31.

Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Liquid-sealed pumping system. 1,868,998 ; July 26.

Muzzy, William H., Evanston, Ill., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid level indicator for automobiles. 1,876,730 ; Sept. 13.

Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel pump. 1,881,860 ; Oct. 11.

Myatt, Samuel L., St. Louis, Mo. Adjustable floor board and foot rest. 1,879,418 ; Sept. 27.

Myer, Aaron, New Holland, Pa. Baling press. 1,850,134 ; Mar. 22.

Myer, Percy L., Ozone Park, assignor to The Western Union Telegraph Company, New York, N. Y. Automatic timing control for manually operated transmitters for ticker or step-by-step telegraph systems. 1,855,153 ; Apr. 19.

Myers, Albert J., assignor to The Koppers Company, Pittsburgh, Pa. Rotary grizzly. 1,891,772 ; Dec. 20.

Myers, Alexander M., Wilkinsburg, Pa., assignor, by mesne assignments, to General Cable Corporation. Terminal. 1,878,169 ; Sept. 20.

Myers, Archibald C. T., Purley, assignor to J. Stone & Company Limited, Deptford, England. Locking arrangement for electric light bulbs. 1,881,091 ; Oct. 4.

Myers, Cecil H., assignor to The Gabriel Kari-Keen Company, Sioux City, Iowa. Combination trunk and luggage carrier. 1,859,746; May 24.

Myers, Charles B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,884,126; Oct. 25.

Myers, Charles F., Oklahoma City, Okla. Weatherstrip for bottoms of doors and inswinging windows. 1,845,320; Feb. 16.

Myers, Charles F., and W. H. Reisner, assignors to The W. H. Reisner Manufacturing Company, Hagerstown, Md. Live bait trap net. 1,888,138; Nov. 15.

Myers, Chester E., et al. (See Freuler, Arthur L., assignor.)

Myers, Don D., Toledo, Ohio, assignor to Hall & McChesney, Inc., Syracuse, N. Y. Prong making machine. 1,859,229; May 17.

Myers, Edward E. (See Mitchell, G. W., Shisler, and Myers.)

Myers, Eugene V., et al. (See Ludlow, Israel, assignor.)

Myers, Eugene V., East Orange, N. J. Picture. 1,858,786; May 17.

Myers, Frank L., Baltimore, Md. Locomotive stoker. 1,840,913; Jan. 12.

Myers, Frank W., assignor to The Electric Alarm Co., Inc., Denver, Colo. Electric alarm device. 1,844,331; Feb. 9.

Myers, Gilbert, Boise, Idaho. Toy. 1,874,792; Aug. 30.

Myers, Guy M., Clarendon, Va., assignor to The Standard Stoker Company, Incorporated. Stoker support. 1,851,642; Mar. 29.

Myers, Harold L., Morristown, N. J. Toy house. 1,867,249; July 12.

Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Combined floor scrubbing, brushing, polishing, and abrading machine. Des. 87,851; Sept. 27.

Myers, Harvey D. (See Driest, C., and Myers.)

Myers, Herman, Rochester, Minn. Side draft reducing device for tenders and other agricultural implements. 1,852,470; Apr. 5.

Myers, Herman A., Whittier, Calif. Tool holder. 1,872,790; Aug. 23.

Myers, Howard C., assignor of one-half to I. L. Lewis, Oneida, N. Y. Fountain washing device. 1,858,055; May 10.

Myers, Hubert A., Toledo, Ohio. Fountain pen. 1,864,050; June 21.

Myers, Hubert A., Toledo, Ohio. Universal joint. 1,868,540; July 26.

Myers, James E., Whitefish Bay, Wis. Humidifier and heater. 1,850,573; Oct. 4.

Myers, John E., Long Beach, Calif. Humidifier for internal combustion engines. 1,852,852; Apr. 5.

Myers, John W., Quincy, Ill. Machine for soldering wafer thermostats. 1,860,048; May 24.

Myers, Joseph W., Jackson, Mich. Process and apparatus for preparing negatives for printing. 1,841,048; Jan. 12.

Myers, Joseph W., Jackson, Mich. Marking negative films. 1,841,049; Jan. 12.

Myers, L. A., Jr. Inc. (See Myers, William L., assignor.)

Myers, Latimer D. (See Peirce, J. O., and Myers.)

Myers, Lawrence Chicago, Ill. Battery testing instruments. 1,867,656; July 15.

Myers, Leo, Kirkwood, Mo. Machine for applying collars to bottles. 1,873,110; Aug. 30.

Myers, Lewis C. (See Handley, G. F., and Myers.)

Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,875,255; Aug. 30.

Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter cabinet. 1,887,165; Nov. 8.

Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,890,547; Dec. 13.

Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Manifolding attachment. 1,891,569; Dec. 20.

Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,892,071; Dec. 27.

Myers, Louis, assignor to Pyco, Incorporated, Chicago, Ill. Coin-controlled mechanism. 1,851,643; Mar. 29.

Myers, Nelson H. (See Stevens, H. D., and Myers.)

Myers, Nelson H., and F. Goodall, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Continuous strip forming and covering machine. 1,850,062; Mar. 15.

Myers, Oran, Sacramento, Calif. Tongs or pliers. 1,870,133; Aug. 2.

Myers, Philip L., and G. L. Baker, Newark, Del., dedicated, by mesne assignments, to the People of the United States of America. Extracting pectin from pectin materials. 1,892,536; Dec. 27.

Myers, Robert L., San Diego, Calif. Circulation control apparatus for the low pressure side of refrigerating system. 1,847,255; Mar. 1.

Myers, Robert L., San Diego, Calif. Float valve housing for refrigerating plants. 1,859,932; May 24.

Myers, Rolland D., Edgewood Arsenal, Md. Apparatus for drying hexachloroethane. 1,890,654; Dec. 13.

Myers, Solomon B., Pittsburgh, Pa., assignor, by mesne assignments, to Federal-American Cement Tile Company, Chicago, Ill. Roofing tile. 1,855,029; Apr. 19.

Myers, Thomas G., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Storage tank construction. 1,864,927; June 28.

Myers, Thomas G., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Starting condenser type motors. 1,886,895; Nov. 8.

Myers, Walter. (See Allen, R. B., and Myers.)

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-cutting device for fabric-pile forming machines. 1,844,435; Feb. 9.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,844,902; Feb. 9.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Zigzag stitch sewing machine. 1,845,327; Mar. 15.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guide for strw-braid sewing machines. 1,849,333; Mar. 15.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine thread lubricating device. 1,856,882; May 3.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling device for sewing machines. 1,884,127; Oct. 25.

Myers, Walter E., Providence, R. I. Time control mechanism. 1,844,971; Feb. 16.

Myers, Willard G., Bronxville, assignor to Leander Development Corporation, New York, N. Y. Heat indicator for automobiles. 1,876,076; May 31.

Myers, William L., assignor to L. A. Myers, jr. Inc., Newark, N. J. Buckle frame. Des. 85,986; Jan. 12.

Myers, William L., assignor to L. A. Myers, jr. Inc., Newark, N. J. Securing ornaments to wearing apparel. 1,863,580; June 21.

Myerson, Simon, Cambridge, Mass. Artificial tooth and backing therefor. 1,849,686; Mar. 15.

Myerson, Simon, Brookline, Mass. Dental anchorage. 1,884,128; Oct. 25.

Myerson, Simon, Brookline, and E. A. Jones, Medford, assignors to The Ideal-Tooth Incorporated, Cambridge, Mass. Artificial teeth. 1,879,419; Sept. 27.

Myhre, Harry S. (See Woolson, O. L., and Myhres.)

Mykleby, Olaf, Aberdeen, S. Dak. Portable battery cell puller. 1,853,448; Apr. 12.

Mylar, Wesley J., Oakland, Calif. Lock for containers. 1,857,654; May 10.

Mylon Corporation. (See Milson, John R., assignor.)

Myracle, Hobart M., assignor to American Iron and Machine Works Company, Oklahoma City, Okla. Pipe cutter. 1,868,757; July 26.

Myron, William F., San Francisco, Calif. Infant's bed. 1,839,580; Jan. 5.

N. D. Q. Specialty Corporation et al. (See Krieg, Anthony W., assignor.)

N. D. Q. Specialty Corporation, et al. (See Preston, J. E., and Sokolow, assignors.)

N. U. Heat Company. (See Zornes, Roy C., assignor.)

N. V. Chemische Fabrick L. van der Grinten. (See van der Grinten, Lodewijk P. F. and K. J. J., assignors.)

N. V. Kuchenmeisters, Internationale Maatschappij Voor Sprekende Films. (See Berglund, Sven A. Son, assignor.)

N. V. Maatschappij tot Beheer en Exploitatie van Octrooien. (See Genenger, Richard, assignor.)

N. V. Montania. (See Schaefer, Hanns, assignor.)

N. V. Nederlandsche Instrumenten-Compagnie. (See Steinle, Adolf, assignor.)

N. V. Nederlandsche Instrumenten-Compagnie. (See van den Bergh, Samuel J., assignor.)

N. V. Nederlandsche Industrieele Maatschappij. (See van der Willigen, Paul C., assignor.)

N. V. Norit-Vereeniging Verkoop Centrale. (See Mommaerts, Henry D., assignor.)

N. V. Philips', Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)

N. V. Philips', Gloeilampenfabrieken. (See Dijkstorhuis, Pooko R., assignor.)

N. V. Philips', Gloeilampenfabrieken. (See Hertz, Gustav L., assignor.)

N. V. Philips', Gloeilampenfabrieken. (See Holst, G., and Van der Pol, assignors.)

N. V. Philips' Gloeilampenfabrieken. (See Schouwstra, Pieter, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See van Arkel, A. E., de Boer, and Koopman, assignors.)

N. V. Philips' Gloeilampenfabrieken. (See van der Pol, Balthasar, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See van Gessel, Johannes A., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Voorhoeve, Nicolaas, A. J., assignor.)

Naab, George F. (See Brown, G. R., and Naab.)

Naab, George F., and G. R. Brown, assignors to The North American Manufacturing Company, Cleveland, Ohio. Proportional valve. 1,885,130; Nov. 1.

Naacke, Richard. (See Von Tothfalussy, L., and Naacke.)

Naamlooze Vennootschap Anton Jurgens Margarinefabrieken. (See Van Loon, Christiaan, assignor.)

Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Al. Jan, assignor.)
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Flanders, George S., and ap Rhys Pryce, assignors.)
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Loebel, Albert, assignor.)
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Stratman, Alphons G. H., assignor.)
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Van Dijck, W. J. D., and Radier, assignors.)
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See van Peski, Adrianus J., assignor.)
Naamlooze Vennootschap Elser-Apparaten-Fabrieken Systeem Coq. (See Hidde Nijland, Hendrik A., assignor.)
Naamlooze Vennootschap Electrochemische Industrie. (See Gelissen, Henri C. J. H., assignor.)
Naamlooze Vennootschap Gebrs. van den Bergh's Industrie en Handelmaatschappij. (See van den Berg, Jacob, assignor.)
Naamlooze Vennootschap: Glasfabriek "Leerdam", voorheen Jeekel, Mijnssen & Co. (See Janzen, Jetze Willem, assignor.)
Naamlooze Vennootschap Handelmaatschappij Cablon (Cablon Corporation). (See Höchstädter, Martin, assignor.)
Naamlooze Vennootschap Hollandsche Industrie en Handelmaatschappij. (See Johenning, Franz, assignor.)
Naamlooze Vennootschap International Octrooibureau. (See Schoonenberg, Pancras, assignor.)
Naamlooze Vennootschap Internationale Oxygenium Maatschappij Vivadent. (See Van Lee, Gerrit, assignor.)
Naamlooze Vennootschap: J. A. Carp's Garenfabrieken. (See Zahn, Cornelis W., assignor.)
Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen. (See De Iongh, Johan H., assignor.)
Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen. (See van Berkel, Johannes, assignor.)
Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen. (See van Berkel, Johannes C., assignor.)
Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens van Berkel's Patent en van Andere Werktuigen. (See Van Duyn, Adrinaus, assignor.)
Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens van Berkel's Patent en van andere Werktuigen. (See Van Weenen, Franciscus L., assignor.)
Naamlooze Vennootschap Noury & Van der Lande's Handelmaatschappij. (See van der Lee, Gerritt, assignor.)
Naamlooze Vennootschap Oliefabriek Alkmaar. (See Loesch, Carl F., assignor.)
Naamlooze Vennootschap Philips' Gloeilampenfabrieken. (See Holst, Gilles, assignor.)
Naamlooze Vennootschap Splendor Gloeilampenfabriek Splendor Lampworks. (See Winter, Ernst, assignor.)
Naamlooze Vennootschap Vereenigde Nederlandsche Rubberfabrieken. (See Wilhelmi, Dirk F., assignor.)
Naatz, Charles H., St. Johnsbury, Vt. Milk weight gauge and feeding guide. 1,865,034; June 28.
Naber, Claude D., assignor of one-half to N. Haas, Hamburg, N. Y. Brake pedal holding device. 1,861,023; May 31.
Nabors, William C., Mansfield, La. Trailer. 1,863,348; June 14.
Nabors, William C., Mansfield, La. Load carrying vehicle. 1,868,020; July 19.
Nabors, William C., Mansfield, La. Vehicle trailer. 1,868,021; July 19.
Nabors, William C., Mansfield, La. Vehicle coupling. 1,892,072; Dec. 27.
Nacey, Harry M., Chicago, Ill. Flow and pressure indicating means. 1,881,862; Oct. 11.
Nachies, Harry, Canton, Ohio. Fountain vibrator. 1,889,487; Nov. 29.
Nachod & United States Signal Company. (See Stolp, Samuel S., assignor.)
Nachod & United States Signal Co. (See Stolp, S. S., and Richterkessing, assignors.)
Nachod & United States Signal Company, The. (See Wagner, Le Roy R., assignor.)
Nachtigall, Richard J., assignor of one-half to A. Pecsi, Philadelphia, Pa. Self-sharpening and balancing shears or scissors. 1,885,754; Nov. 1.
Nachtsheim, Peter, New York, N. Y. Aeroplane. 1,891,650; Dec. 20.
Nachmsohn, Irving. (See Golden, H. H., and Nachumsohn.)
Nachumsohn, Irving, Chicago, Ill. Signal. 1,859,676; May 24.
Nachumsohn, Irving, Chicago, Ill. Electron discharge device. 1,859,677; May 24.
Nachumsohn, Irving, Chicago, Ill. Electron discharge device. 1,859,678; May 24.
Nachumsohn, Irving, Chicago, Ill. Vacuum tube and treating thereof. 1,859,679; May 24.
Nachumsohn, Irving, assignor to Teletype Corporation, Chicago, Ill. Remote control selective mechanism. 1,863,411; June 14.
Nadeau, Paul. (See Rouleau, A., and Nadeau.)
Nadel, Louis, assignor to Pierce Steel Pile Corporation, New York, N. Y. Method and apparatus for forming piles. 1,884,129; Oct. 25.
Nadoolman, Fred, Brooklyn, N. Y. Dispenser. 1,859,108; May 17.
Naef, Otto. Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Condenser bushing. 1,873,977; Aug. 23.
Naeher, Paul, assignor to B. F. Gump Company, Chicago, Ill. Barrel packer. 1,846,806; Feb. 23.
Naeher, Paul, assignor to B. F. Gump Co., Chicago, Ill. Automatic delivery mechanism. 1,868,844; July 26.
Naes, Raymond B. (See Boenker, B. D., and Hutchinson, assignors.)
Naeser, Gerhard, assignor to Kaiser-Wilhelm Institute für Eisenforschung, Dusseldorf, Germany. Measuring the temperatures of incandescent bodies. 1,865,878; July 5.
Naftzicer, Joseph F., Pullman, Wash. Grain cleaner. 1,852,361; Apr. 5.
Naftal, Wesley, and M. Ensler, assignors to Mantlbar Corporation, New York, N. Y. Convertible fireplace structure. 1,889,103; Nov. 29.
Nafziger Corporation, The. (See Nafziger, Ralph L., assignor.)
Nafziger Corporation, The. (See Sticelber, Merlin A., assignor.)
Nafziger, Ralph L. (See Johns, Luther, assignor.)
Nafziger, Ralph L., assignor to The Nafziger Corporation, Kansas City, Mo. Electric switch device. 1,891,998; Dec. 27.
Nagai, Tero, Los Angeles, Calif. Flower-holding brooch. 1,851,205; Mar. 29.
Nagai, Torazo, Los Angeles, Calif. Game table. 1,875,198; Aug. 30.
Nagamatsu, Ikugoro, Las Vegas, Nev. Steering wheel brake. 1,870,525; Aug. 9.
Nagamine, Tokijiro, Tokiirimachi, Uyeda, Japan. Covering for motorcar tires. 1,858,065; May 17.
Nagel, Carl, assignor to Librawerk m. b. H., Gliesmarode, Germany. Automatic weighing machine. 1,883,855; Oct. 18.
Nagel, Charles E., New York, N. Y., assignor to Shake Proof Lock Washer Co., Chicago, Ill. Drive screw. 1,891,895; Dec. 20.
Nagel Electric Company. (See Adams, Clark M., assignor.)
Nagel, Frank, deceased; M. Nagel, executrix, assignor to The Crescent Manufacturing Company, Fremont, Ohio. Razor blade. Des. 85,987; Jan. 12.
Nagel, George E., Columbus, Ohio. Reinforced concrete cribbing. 1,843,081; Jan. 26.
Nagel, George E., Columbus, Ohio. Gang mold for fence post construction. 1,875,256; Aug. 30.
Nagel, Mary, executrix. (See Nagel, Frank.)
Nagel, Rudolph, Miami, Okla. Adjustable barber chair seat. 1,891,999; Dec. 27.
Nagel, Wilhelm. (See Pannerbieter, T., and Nagel.)
Nägele, Karl F., Berlin-Neukolln, Germany. Device for automatically arranging the elements of sliding clasp fasteners. 1,890,300; Dec. 6.
Nagelmann, Clemens B., Santa Barbara, Calif. Suturing and ligating instrument. 1,856,721; May 3.
Nagle, Clyde, and R. W. Niver, Elmira, N. Y. Leer stacker. 1,869,767; Aug. 2.
Nagle, Clyde, Elmira, N. Y., and C. B. Hoopes, Three Rivers, Tex. Apparatus for feeding glass charges. 1,879,420; Sept. 27.
Nagle, M. T., et al. (See Pitcher, Elmer, assignor.)
Nagle, Ronald F., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Centrifugal relay. 1,842,560; Jan. 26.
Nagle, Walter G., assignor to Baker Nagle Company, Belleville, Ill. Stove. 1,891,761; Oct. 11.
Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,860,618; May 31.
Nagole, Inc. (See Snell, Samuel A., assignor.)
Nagy, Joseph, Philadelphia, Pa. Piston ring. 1,854,482; Apr. 19.
Nagy, Peter M., assignor to Transue & Williams Steel Forging Corporation, Alliance, Ohio. Pipe coupling. 1,858,106; May 10.
Nahm, Eugene A., Chicago, Ill. Slot machine and attachment therefor. 1,844,863; Feb. 9.
Nahrwold, William, Fort Wayne, Ind. Folding chair. 1,859,628; May 24.
Naiman, Julius M., and H. Leggett, Blackwell, Okla.; said Leggett assignor to said Naiman. Oxygenation of saturated aliphatic hydrocarbons. 1,878,170; Sept. 20.
Naimaster, Frederick, London, England. Mouthpiece for tobacco pipes, cigar or cigarette holders, or other articles to be held by the teeth. 1,865,780; July 5.
Nairn, John S., Detroit, Mich. Amusement device. 1,881,863; Oct. 11.
Najarian, Garabed, New Haven, Conn. Wire drawing machine. 1,865,781; July 5.
Najarian, Herand K. (See Weaton, G. F., and Najarian.)
Najarian, Herand K., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Sintering machine pallet and grate bar. 1,889,052; Nov. 29.

Nakahara, Sadayoshi, New York, N. Y. Desk set fountain pen sleeve. 1,868,505; July 26.
Nakashima, Kisuburo, Koishikawa-Ku, Tokyo-Shi, Japan. Pipe point. 1,854,855; Apr. 19.
Nakatani, Kakichi, and M. Takeshita, Los Angeles, Calif. Ship propulsion. 1,849,731; Mar. 15.
Nakken Patents Corporation. (See Nakken, Theodorus H., assignor.)
Nakken, Theodorus H., Brooklyn, N. Y., assignor to Nakken Patents Corporation, Monitor method of recording sound on film. 1,850,467; Mar. 22.
Nakken, Theodorus H., Brooklyn, N. Y., assignor to Nakken Patents Corporation, Pick-up apparatus for magnetic films. 1,882,336; Oct. 11.
Nakken, Theodorus H., Brooklyn, N. Y., assignor to Nakken Patents Corporation, Transforming light impulses into current impulses. 1,889,758; Dec. 6.
Nakken, Theodorus H., Forest Hills, N. Y., assignor to Nakken Patents Corporation, Recording glow lamp. 1,888,328; Nov. 22.
Nalle, Charles R., Philadelphia, Pa. Adjustable caster. 1,877,967; Sept. 20.
Nande Corporation. (See Everett, Edward A., assignor.)
Nanfeldt Corporation. (See Bergstrom, William A., assignor.)
Nanfeldt, Ernest, New Haven, Conn., assignor to Respro, Inc., Cranston, R. I. Circular loom. 1,872,168; Aug. 16.
Nanfeldt, William, assignor to World Bestos Corporation, Paterson, N. J. Yarn and making the same. 1,851,441; Mar. 29.
Nanfeldt, William, assignor to World Bestos Corporation, Paterson, N. J. Friction fabric and making the same. 1,892,760; June 14.
Nankivell, Frank J., Worcester, Mass., assignor to Clark W. Parker and C. M. Chapman, New York, N. Y. Combined pencil case and lighter. 1,859,881; May 24.
Nanna, Frank S., assignor to Thinshell Candies, Inc., Chicago, Ill. Plate for making wafers. 1,875,482; Sept. 6.
Nanna, Solino F., Chicago, Ill. Auto signal lamp. Des. 86,135; Feb. 9.
Nanna, Solino F., Milwaukee, Wis. Auto signal control. 1,842,644; Jan. 19.
Nantia, Jean. (See Castella, R., and Nantua.)
Nanz, Robert W., Owensboro, Ky. Alarm. 1,852,754; Apr. 5.
Naoum, Fhokion, Cologne, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours & Co., Wilmington, Del. Explosive. 1,865,382; June 28.
Napier Company, The. (See Schaefer, Otto C., assignor.)
Napier, D., & Son Limited. (See Hutchinson, Robert H., assignor.)
Napier, D., & Son Limited. (See Wilkinson, George S., assignor.)
Naplerala, Frank. (See Satkowski, E., and Napierala.)
Napoli, Nicholas J., Fort Lee, N. J. Collar fastener. 1,839,793; Jan. 5.
Napolitan, Lewis, Flushing, N. Y. Hair waving apparatus. 1,854,523; Apr. 19.
Nappanee Lumber and Manufacturing Company. (See Uline, Walter C., assignor.)
Narahara, Teruo, Setagaya, Japan. Calculator. 1,880,148; Sept. 27.
Narath, Albert, Berlin, Germany, assignor to General Electric Company. Sound recording and reproducing. 1,846,672; Feb. 9.
Narbo, Lauritz M., Madison, Wis. Dispensing device. 1,891,315; Dec. 20.
Nardin, Celestin E., Ozone Park, N. Y. Internal combustion motor. 1,890,884; Dec. 13.
Nardini, Anthony M., Philadelphia, Pa. Rail bond. 1,865,717; July 5.
Nardone, Romeo M., Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 1,864,256; June 21.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 1,878,421; Sept. 20.
Nardoni, Albert, assignor of one-half to G. Pusateri, Chicago Heights, Ill. Curtain bracket. 1,867,089; July 12.
Narzi, Emil J., sr., Passaic, N. J. Powder puff. Des. 85,988; Jan. 12.
Narrow Fabric Company. (See Huber, Otto E., assignor.)
Narrow Fabric Company. (See Maurer, Clarence D., assignor.)
Naruse, Tomisaburo, Uchiyamashita-Cho, Kojimachi-Ku, Tokyo, Japan. Frosting the inner surface of a glass bulb. 1,875,819; Sept. 6.
Nash, A., Company. (See Meader, Roy, assignor.)
Nash, Alexander Q., deceased, G. W. Stevenson, administrator, assignor to Circular Concrete Container Corporation, Cincinnati, Ohio. Combination clamp and driftpin. 1,840,169; Jan. 5.
Nash, Arthur Douglas, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Tumbler. Des. 88,252; Nov. 8.
Nash, Arthur Douglas, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Pitcher. Des. 88,253; Nov. 8.
Nash, Arthur E., assignor to Alcorn Combustion Company, Philadelphia, Pa. Furnace wall structure. 1,870,783; Aug. 9.
Nash, Arthur E., Philadelphia, and J. S. Alcorn, Cynwyd, assignors to Alcorn Combustion Company, Philadelphia, Pa. Radiation combustion chamber. 1,870,640; Aug. 9.
Nash, Arthur E., Philadelphia, and J. S. Alcorn, Cynwyd, assignors to Alcorn Combustion Company, Philadelphia, Pa. Heating apparatus and method. 1,888,804; Nov. 22.
Nash, Arthur W. (See Collins, Timothy, assignor.)
Nash, Ben, Short Hills, N. J., assignor to Lambert Pharmacal Company, Wilmington, Del. Flask. Des. 87,478; Aug. 2.
Nash, Ben, Short Hills, N. J., assignor to Revere Rubber Company, Providence, R. I. Color matching apparatus. 1,871,078; Aug. 9.
Nash, Charles J., Chicago, Ill., and Jumidt, F. J., jr., and Nash.)
Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft rigging for railway cars. 1,861,505; June 7.
Nash, Charles J., and L. T. Canfield, assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Buffer for railway cars. 1,864,315; June 21.
Nash, Clarence A., Newark, N. J., assignor to Bakelite Corporation, New York, N. Y. Valve disk composition. 1,886,179; Nov. 15.
Nash Engineering Company. (See Adams, Harold E., assignor.)
Nash Engineering Company. (See Nash, Harold L., assignor.)
Nash, Harold L., assignor to Nash Engineering Company, South Norwalk, Conn. Compressor. 1,844,436; Feb. 9.
Nash Motor Company, The. (See Gunn, Earl G., assignor.)
Nash Motors Company, The. (See Gunn, Earl G., assignor.)
Nash, Robert J., Birmingham, England. Bracket for games and the manufacture thereof. 1,877,018; Sept. 13.
Nash, Roy W., Kenmore, assignor to Du Pont Rayon Company, New York, N. Y. Rayon spinning machine. 1,897,025; July 12.
Nash, Simeon, Columbus, Ohio. Rotary engine. 1,879,422; Sept. 27.
Nash, Walter H., Arlington, Calif. Handle securing means for baskets and the like. 1,881,864; Oct. 11.
Nashua Gummed & Coated Paper Company. (See Gautier, T. R., and Nichols, Ignors.)
Nashua Manufacturing Company. (See McIlroy, Ronald C., assignor.)
Nashua Sure-Hold Company. (See Wilson, Edward W., assignor.)
Nasmith, John I., Erith, England, assignor to Vickers-Armstrongs Limited, Westminster, England. Cutting and creasing presses for paper, cardboard or the like. 1,891,391; Dec. 20.
Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 1,866,901; July 12.
Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine for textile fibers. 1,892,217; Dec. 27.
Nason, Charles H., Jr., New York, N. Y., assignor to Jenkins Television Corporation, Jersey City, N. J. Electro-optical apparatus and method. 1,859,597; May 24.
Nasson, Max. (See Stumm, F., and Nasson.)
Nassif, Louis, Wheeling, W. Va. Shoe polishing device. 1,875,820; Sept. 6.
Nast, Karl, Stuttgart, Germany. Rail joint. 1,887,063; Nov. 8.
Nast, Paul H., Michigan City, Ind., assignor to Sullivan Machinery Company. Transport truck. 1,862,938; June 14.
Nastrom, Bror, Holdrege, Nebr. Power take-off device. 1,868,513; Nov. 29.
Nastrom, Nels, Elk Mountain, Wyo. Egg breaker. 1,870,741; Aug. 9.
Nathan, Albert F. (See De Leeuw, Adolph L., assignor.)
Nathan, Ellis, assignor to Pennsylvania Pump and Compressor Company, Easton, Pa. Unloader valve for compressors. 1,887,858; Nov. 15.
Nathan, Emil. (See Hessenbruch, George S., assignor.)
Nathan, George, Buffalo, N. Y. Opener for jars and bottles. 1,877,019; Sept. 13.
Nathan, Max, and A. Gross, New York, N. Y. Mourning ring. 87,538; Aug. 9.
Nathan, Tracy D., Okron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Drive ring and making the same. 1,850,684; Mar. 22.
Nathansohn, Alexander, Berlin-Wilmersdorf, Germany. Highly polymerizing cellulose acetate and the product thereof. 1,891,829; Dec. 20.
Nathorst, Harry J. H. (See Grönwall, E. A. A., and Nathorst.)
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Acme Company, The. (See Hogg, W. J., and Neumann, assignors.)
National Acme Company, The. (See Paterson, D. S., and Petsche, assignors.)
National Acme Company, The. (See Petsche, G. B., and Drissner, assignors.)
National Acme Company, The. (See Weed, Chester A., assignor.)
National Aluminate Corporation, The. (See Evans, Wilson, assignor.)

National Aniline & Chemical Co. (See Bailey, George C., assignor.)
National Aniline & Chemical Co. (See Crowell, Joyce H., assignor.)
National Aniline & Chemical Company. (See Davis, Archibald H., jr., assignor.)
National Aniline & Chemical Company. (See Ellzey, Esco F., assignor.)
National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
National Aniline & Chemical Co. (See Foster, Harold B., assignor.)
National Aniline & Chemical Co. (See Geller, L. W., assignor.)
National Aniline & Chemical Co. (See Grob, Armin R., assignor.)
National Aniline & Chemical Company. (See Helfaer, Bertram M., assignor.)
National Aniline & Chemical Company. (See Hess, R. W., and Cunningham, assignors.)
National Aniline and Chemical Company. (See Jewett, Joseph E., assignor.)
National Aniline & Chemical Co. (See Jewett, J. E., Heritage, and Riegler, assignors.)
National Aniline & Chemical Company. (See Kyrides, Lucas P., assignor.)
National Aniline & Chemical Company. (See Leaper, Joseph M. F., assignor.)
National Aniline & Chemical Company. (See Leaper, J. M. F., and Hess, assignors.)
National Aniline & Chemical Co. (See Livingston, John W., assignor.)
National Aniline & Chemical Company. (See Lyford, Chauncey A., assignor.)
National Aniline & Chemical Company. (See Minnis, Wesley, assignor.)
National Aniline & Chemical Company. (See Moorhouse, William R., assignor.)
National Aniline & Chemical Company. (See Murch, Wilfred M., assignor.)
National Aniline & Chemical Company. (See Ogilvie, James, assignor.)
National Aniline & Chemical Company. (See Ogilvie, J., and Hess, assignors.)
National Aniline & Chemical Company. (See Pietzsch, Kurt F., assignor.)
National Aniline & Chemical Co. (See Piguet, L. A., and Hunt, assignors.)
National Aniline & Chemical Company. (See Punnett, Ellis L., assignor.)
National Aniline & Chemical Company. (See Rogers, D. G., Ogilvie, and Crowell, assignors.)
National Aniline & Chemical Company. (See Schmittnagel, Johan)
National Aniline and Chemical Co. (See Spalding, William L., assignor.)
National Aniline & Chemical Co. (See Stowell, Harold T., assignor.)
National Aniline & Chemical Co. (See Wait, Justin F., assignor.)
National Aniline & Chemical Co. (See Wait, J. F., and Field, assignors.)
National Aniline & Chemical Co. Inc. (See Geller, Leon W., assignor.)
National Aniline & Chemical Co. Inc. (See Wendler, Adolph F., assignor.)
National Auto Tag Seal Corporation. (See Kiger, Luther J., assignor.)
National Automatic Container Corporation. (See Boerg, B., Zuhlke, and Kugeman, assignors.)
National Automatic Container Corporation. (See de Mazirolf, George, assignor.)
National Automatic Doughnut Machine Company. (See Roehl, Frank E., assignor.)
National Automatic Doughnut Machine Company. (See Roehl, F. M., and Toews, assignors.)
National Automatic Tool Company, The. (See Galloway, Robert M., and Meloy, assignors.)
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Automotive Fibres, Inc. (See Brintnall, Frank W., assignor.)
National Bearing Metals Corporation. (See Vigne, Albert, assignor.)
National Biscuit Company. (See Davidson, Bruce J., assignor.)
National Biscuit Company. (See Fogg, Herbert T., assignor.)
National Biscuit Company. (See Hauge, Oscar, assignor.)
National Biscuit Company. (See Turnbull, Werd W., assignor.)
National Blank Book Company. (See Schade, Frank S., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Brake & Electric Co. (See Aikman, Burton S., assignor.)
National Brake Service, Inc. (See Bendix, Vincent, assignor.)
National Brass Company. (See Licktelg, Albert F., assignor.)
National Brass Company. (See Solliday, Foster K., assignor.)
National Brass Company. (See Solliday, F. K., and De Ridder, assignors.)
National Brass Company. (See Ter Meer, Herman, assignor.)
National Brass Manufacturing Company. (See Wray, Charles F., assignor.)
National Bread Wrapping Machine Company. (See Sévigné, Henri A., assigner.)
National Brick Company. (See Therrien, Arthur J., assignor.)
National Brief Case Manufacturing Co. (See Plotkin, Joseph H., assignor.)
National Carbon Company. (See Bowditch, Frederick T., assignor.)
National Carbon Company. (See Briggs, Arthur J., assignor.)
National Carbon Company. (See Chaney, Newcomb K., assignor.)
National Carbon Company. (See Dorcas, Merrill J., assignor.)
National Carbon Co. (See Farrar, M. G., and Bentley.)
National Carbon Company. (See Heise, George W., assignor.)
National Carbon Company. (See Heise, G. W. and Schumacher, assignors.)
National Carbon Co. (See Huntley, Alton K., assignor.)
National Carbon Company. (See Jones, Homer W., assignor.)
National Carbon Company. (See Jones, H. W., and Graubner, assignors.)
National Carbon Company. (See Ornes, Stephen W., assignor.)
National Carbon Company. (See Voorhees, Lee J., assignor.)
National Carbon Company. (See Williford, Edward A., assignor.)
National Cash Register Company, The. (See Arnold, Charles H., assignor.)
National Cash Register Company, The. (See Berger, Friedrich, W. F., assignor.)
National Cash Register Company, The. (See Brand, Samuel, assignor.)
National Cash Register Company, The. (See Frank, John F., assignor.)
National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)
National Cash Register Company, The. (See Green, Charles W., assignor.)
National Cash Register Company, The. (See Kreider, Walter J., assignor.)
National Cash Register Company. (See Kropff, Wilhelm, assignor.)
National Cash Register Company, The. (See Lee, Charles L., assignor.)
National Cash Register Company, The. (See Robertson, William H., assignor.)
National Cash Register Company, The. (See Sburlino, Pascal, assignor.)
National Cash Register Company, The. (See Sheeler, Harry E., assignor.)
National Cash Register Company, The. (See Shipley, Berula M., assignor.)
National Cash Register Company, The. (See Shipley, B. M., and Holt, assignors.)
National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
National Casket Company, The. (See Dunican, George F., assignor.)
National Cellulose Corporation. (See Medoff, William, assignor.)
National City Bank of New York, The, executor. (See Tanner, Harry L., deceased.)
National Colortype Company, The. (See Bone, Evan P., assignor.)
National Company. (See Eyrick, Philip A., assignor.)
National Cornstalk Processes, Inc. (See Sweeney, Orland R., assignor.)
National Electric Products Corporation. (See Calderwood, Hugh A., assignor.)
National Electric Products Corporation. (See Clayton, Martin M., assignor.)
National Electric Products Corporation. (See Connor, Robert A., assignor.)
National Electric Products Corporation. (See Frederickson, Otto A., assignor.)
National Electric Products Corporation. (See Fullman, James M. G., assignor.)
National Electric Products Corporation. (See Fullman, J. M. G., and Rittelmann, assignors.)
National Electric Products Corporation. (See Lutz, George A., assignor.)
National Electric Products Corporation. (See Mair, John E., assignor.)
National Electric Products Corporation. (See Mali, Frank F., assignor.)
National Electric Products Corporation. (See Roseman, Oscar E., assignor.)
National Electric Products Corporation. (See Staples, Horace A., assignor.)
National Electric Products Corporation. (See Wanamaker, George L., assignor.)

National Electrical Supply Company. (See Burger, Clarence W., assignor.)
National Electrical Supply Company. (See Graham, Edwin C., assignor.)
National Electrical Supply Company. (See Mirick, Carlos B., assignor.)
National Enameling & Stamping Company. (See Marter, Richard G., assignor.)
National Enameling & Stamping Company, The. (See Sladky, A. C. and J., assignors.)
National Enameling & Stamping Company. (See Sladky, Joseph and A. C., assignors.)
National Enameling & Stamping Co. (See Sladky, and A. C., assignors.)
National Engineering Company. (See Christensen, Alfred C., assignor.)
National Equipment Company. (See Baum, Howard C., assignor.)
National Equipment Company. (See Bausman, A. L., and Baum, assignors.)
National Equipment Company. (See Bausman, A. L., and Rapisarda, assignors.)
National Fireproofing Corporation. (See Babb, Edwin, assignor.)
National Fireproofing Corporation. (See Christie, Llewellyn M., assignor.)
National Fireproofing Corporation. (See Nelson, Elmer A., assignor.)
National Fireproofing Corporation. (See Shipley, Roy A., assignor.)
National Fireworks, Inc. (See Clark, G. J. J., and Jones, assignors.)
National Fireworks, Inc. (See Jones, Ernest B., assignor.)
National Folding Box Company. (See Gaffney, John J., assignor.)
National Folding Box Company. (See Reichel, Ferdinand, assignor.)
National Foods Limited. (See McGroarty, William J., assignor.)
National Governor Corporation. (See Singer, Frederick O., assignor.)
National Gunite Contracting Co. (See Crom, John M., assignor.)
National Gypsum Company. (See Shaw, Harris W., assignor.)
National Gypsum Company. (See Turner, John J., assignor.)
National-Helfrich Potteries Company. (See Weaver, Harry F., assignor.)
National India Rubber Company. (See Binmore, T. V., and Rice, assignors.)
National India Rubber Company. (See Ford, Robert J., assignor.)
National India Rubber Company. (See Heilhecker, Eugene C., assignor.)
National India Rubber Company. (See Huestis, Thomas B., assignor.)
National India Rubber Company. (See Watkins, Parke H., assignor.)
National Kellastone Company. (See Techmer, Ewald F., assignor.)
National Kellastone Company, The. (See Wires, John A., assignor.)
National Laundry Machinery Company. (See Faulkner, Harold C., assignor.)
National Laundry Machinery Company. (See Reeps, Charles O., assignor.)
National Lead Company. (See Corson, Michael G., assignor.)
National Lead Company. (See Newnam, William E., assignor.)
National Lead Company. (See Newnam, W. E., and McCallum, assignors.)
National Lime Association. (See Underwood, J. E., and Cabell, assignors.)
National Lock Co. (See North, Edwin W., assignor.)
National Lock Washer Company. (See Berge, Joseph, assignor.)
National Lock Washer Company, The. (See Brown, William B., assignor.)
National Lock Washer Company, The. (See Cairncross, R. L., and Masters, assignors.)
National Lock Washer Company, The. (See Golden, Robert F., assignor.)
National Lock Washer Company, The. (See Loutrel, Cyrus H., assignor.)
National Lock Washer Company. (See McCrudden, Frederick R., assignor.)
National Lock Washer Company, The. (See Masters, Irvin W., assignor.)
National Machine Products Company. (See Stoll, Albert, assignor.)
National Machinery Company, The. (See Clouse, William L., assignor.)
National Machinery Co. (See Friedman, John H., assignor.)
National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)
National Malleable and Steel Castings Company. (See Bossert, Edward, assignor.)
National Malleable and Steel Castings Company. (See Brooks, C. K., and Spence.)
National Malleable and Steel Castings Company. (See Buckius, Albert O., assignor.)
National Malleable & Steel Castings Company. (See Krakau, Harry T., assignor.)
National Malleable and Steel Castings Company. (See Schmidt, Ernest H., assignor.)
National Malleable and Steel Castings Company. (See Schmidt, E. H., and Spence, assignors.)
National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)
National Malleable and Steel Castings Company. (See Willison, John, assignor.)
National Malleable and Steel Castings Company. (See Wittner, Russell J., assignor.)
National Malleable and Steel Castings Company. (See Woody, W. L., and Thompson, assignors.)
National Manicuring Machine Co. (See Stevenson, H. J., and Kessler, assignors.)
National Manufacturing Company. (See Bittorf, Louis A., assignor.)
National Marking Machine Company, The. (See Constable, Charles E., assignor.)
National Marking Machine Co., The. (See Peters, Edward F., assignor.)
National Metal and Chemical Bank Limited. (See Stephens, F. G. C., Anderson, and Cash, assignors.)
National Meter Company. (See Kelley, Robert S., assignor.)
National Net & Twine Co. Ins. (See Barbour, John E., assignor.)
National Oil Drill Corporation. (See Le Compte, E. J., and Harrison, assignors.)
National Oil Products Company. (See Wolfson, J., and Potter, assignors.)
National Paper Box Co. (See Newton, Edwin H., assignor.)
National Paper Can Company. (See Brooks, Lewis C., assignor.)
National Paper Company, The. (See Plante, Gordon V., assignor.)
National Paper Napkin Mfg. Company. (See Redd, William R., assignor.)
National Paper Process Company. (See Hurley, Albert B., assignor.)
National Paper Prooucts Company. (See Stanton, Frederick L., assignor.)
National Parking Garages, Incorporated. (See Aitken, William J., assignor.)
National Pavements, Incorporated. (See Black, James E., assignor.)
National Pigment & Chemical Company. (See Harth, Philip E., assignor.)
National Pigments & Chemical Company. (See Harth, Philip E., assignor.)
National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
National Pneumatic Company. (See Forman, Paris R., assignor.)
National Pneumatic Company. (See McWhirter, John S., assignor.)
National Pneumatic Company. (See Rowntree, Harold, assignor.)
National Police Signal Company. (See Bauer, Gustav F. C., assignor.)
National Postage Machines Co. Ltd. (See Coffman, Samuel M., assignor.)
National Pumps Corporation. (See Bradley, Eric H., assignor.)
National Radiator Corporation. (See Landvoight, Thomas E., assignor.)
National Radiator Corporation. (See Novotney, Thomas A., assignor.)
National Radiator Corporation. (See Olson, Claude A., assignor.)
National Radiator Corporation. (See Teague, Walter D., assignor.)
National Radiator Corporation. (See Wentworth, Robert S., assignor.)
National Refrigeration Corporation. (See Dennison, French E., assignor.)
National Register Company, The. (See Mess, Arthur G., assignor.)
National Regulator Co. (See Larson, John M., assignor.)
National Ring Traveler Co. (See Wentworth, P. C., and Avery, assignors.)
National Rubber Machinery Company. (See Coggin, Ony assignor.)
National Rubber Machinery Company. (See De Mattia, Barthold, assignor.)
National Rubber Machinery Company. (See De Mattia, Irvin W., assignor.)
National Rubber Machinery Company. (See De Mattia, Peter, assignor.)
National Rubber Machinery Company. (See Grove, F. H., and Heston, assignors.)
National Rubber Machinery Company, The. (See Heston, Allen L., assignor.)
National Rubber Machinery Company, The. (See Heston, A. L., Shook, and Evens, assignors.)
National Rubber Machinery Company. (See Iverson, Cato, assignor.)
National Rubber Machinery Company. (See Kuhlke, Otto J., assignor.)

National Rubber Machinery Company, The. (See Sethman, Retus W., assignor.)
National Rubber Machinery Company. (See Shook, Florain J., assignor.)
National Rubber Machinery Company. (See Shook, F. J., and Heston, assignors.)
National Rubber Machinery Company. (See Williams, Thomas H., assignor.)
National Safety Appliance Company. (See Folker, Howard S., assignor.)
National Safety Devices Company. (See Woodring, Alberto I., assignor.)
National Sales Machine Company. (See Fry, Benjamin L., assignor.)
National Selected Morticians of Washington, D. C., The. (See Jones, Hilton L., assignor.)
National Sewing Machine Company. (See Dawson, J. W., and Garrigan, assignors.)
National-Standard Company. (See Pierce, Robert C., assignor.)
National Supply Company, The. (See Archer, Merton T., assignor.)
National Supply Company. (See Berry, Herbert C., assignor.)
National Supply Company. (See Bush, John C., assignor.)
National Supply Company, The, et al. (See Faulkner, David S., assignor.)
National Supply Company, The. (See Faulkner, D. S., and Zerbe, assignors.)
National Supply Company, The. (See Goeser, Edwin W., assignor.)
National Supply Company, The. (See Leman, Arthur L., assignor.)
National Supply Company, The. (See Mahan, Joseph R., assignor.)
National Supply Company, The. (See Rice, Allen E., assignor.)
National Supply Company, The. (See Rice, A. E., and Zerbe, assignors.)
National Supply Company, The. (See Spalding, John D., assignor.)
National Supply Company, The. (See Timbs, Edward, assignor.)
National Supply Company, The. (See Timbs, E., and Peck, assignors.)
National Supply Company, The. (See Young, Forrest J., assignor.)
National Supply Company, The. (See Zerbe, L. E., and Faulkner, assignors.)
National Supply Company of Delaware, The. (See Faulkner, David S., assignor.)
National Supply Company of Delaware. (See Faulkner, D. S., and Timbs, assignors.)
National Supply Company of Delaware, The. (See Grau, W. G., and Ulloy, assignors.)
National Supply Company of Delaware, The. (See Morgan, John S., assignor.)
National Supply Company of Delaware, The. (See Spalding, John D., assignor.)
National Supply Company of Delaware, The. (See Young, Forrest J., assignor.)
National Supply Company of Delaware, The. (See Young, F. J., and Long, assignors.)
National Supply Company of Delaware, The. (See Youngken, Ben N., assignor.)
National Supply and Service Corporation. (See Johnson, John A., assignor.)
National Tag Manufacturing Corporation, The. (See Kuhns, John P., assignor.)
National Tag Manufacturing Corporation. (See Laencher, F. W., and Graeber, assignors.)
National Tool Company, The. (See Simmons, Oliver G., assignor.)
National Tool & Machine Co. (See Mass, Henry W., assignor.)
National Trust Company. (See Stevenson, John L., assignor.)
National Tube Company. (See Boyd, Peter, assignor.)
National Tube Company. (See Dunn, Jerry J., assignor.)
National Tube Company. (See Mahla, Walter T., assignor.)
National Tube Company. (See Mazurie, J. V., and Olson, assignors.)
National Tube Company. (See Offutt, John W., assignor.)
National Tube Company. (See Rosenkranz, M., and Webb, assignors.)
National Tube Company. (See Shelton, James T., assignor.)
National Tube Company. (See Telfer, Andrew, assignor.)
National Water Main Cleaning Co. (See Frank, William A., assignor.)
National Welding Equipment Company. (See Hammon, George L., assignor.)
National Wood Products Company. (See Nielsen, Herman C., assignor.)
Nattkiel, Harry, assignor, by mesne assignments, of one-half to H. Engelke, New York, N. Y. Adjustable container for safety razors. 1,869,860; Aug. 2.
Nattkiel, Harry, and H. Engelke, New York, N. Y. Hair waver. 1,851,053; Mar. 29.
Natlis, Octave C. (See Hively, H. D., and Natlis.)
Natlis, Octave C., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting machine. 1,881,220; Oct. 4.
Natural-Color, Inc. (See Waide, Merrill, assignor.)
Natures Rival Co. (See Roth, Isidor, assignor.)
Nau, Henry A., New York, N. Y. Turnstile. 1,844,784; Feb. 9.
Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
Naugatuck Chemical Company, The. (See Cadwell, S. M., and Meuser, assignors.)
Naugatuck Chemical Company, The, et al. (See Carns, E. B., and Grimes, assignors.)
Naugatuck Chemical Company, The. (See Gerke, Roscoe H., assignor.)
Naugatuck Chemical Company, The. (See Gibbons, Willis A., assignor.)
Naugatuck Chemical Company, The. (See Hazell, Eardley, assignor.)
Naugatuck Chemical Company, The. (See Howland, Louis H., assignor.)
Naugatuck Chemical Company, The. (See Jargstorff, George W., assignor.)
Naugatuck Chemical Company, The. (See Maximoff, Alexander T., assignor.)
Naugatuck Chemical Company, The. (See McGavack, John, assignor.)
Naugatuck Chemical Company, The. (See Messer, William E., assignor.)
Naugatuck Chemical Company, The. (See Nikiton, Alexander A., assignor.)
Naugatuck Chemical Company, The. (See Ostromislenky, I., and Gibbons, assignors.)
Naugatuck Chemical Company. (See Seaman, Robert G., assignor.)
Naugatuck Chemical Company, The. (See Smith, Omar H., assignor.)
Naugatuck Chemical Company, The. (See Smith, O. H., and Jarstorff, assignors.)
Naugatuck Chemical Company, The. (See Strickhouser, Sherman I., assignor.)
Naugatuck Chemical Company, The. (See Teague, Merwyn C., assignor.)
Naugatuck Chemical Company, The. (See Teague, M. C., and Brewster, assignors.)
Naugatuck Chemical Company, The. (See ten Horst, William P., assignor.)
Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors to Naugle & Townsend, Inc. Making blooms, slabs, and billets. 1,882,516; Oct. 11.
Naugle, John J. (See Ehrhart, E. N., and Wickenden, assignors.)
Naugle, John J. (See Wadsworth, D. V., and Wickenden, assignors.)
Naugle, John J. (See Wickenden, L., and Okell, assignors.)
Naugle, John J., Brooklyn, N. Y. Treating liquids. 1,860,944; May 31.
Naugle, John J., Rye, N. Y. Apparatus for heating and treating subdivided carbonaceous material and the like. 1,867,750; July 19.
Naugle & Townsend, Inc. (See Naugle, H. M., and Townsend, assignors.)
Naumann, Max, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of metal carbonyls. 1,841,973; Jan. 19.
Naunton, William J. S. (See Bunbury, H. M., Davies, and Naunton.)
Naunton, William J. S. (See Bunbury, H. M., Naunton, and Sexton.)
Naunton, William J. S. (See Hailwood, A. J., Naunton, and Shepherdson.)
Naunton, William J. S., and J. B. Payman, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Morpholine derivatives of thiuram tetrasulphide and making the same. 1,867,982; July 19.
Nau-Touron, Albert, Le Vesinet, France. Ring type spinning machine. 1,847,682; Mar. 1.
Nau-Touron, Albert, Le Vesinet, France. Ring type spinning machine. 1,881,252; Oct. 4.
Navarro de Requesens, Alphonse, New York, N. Y. Hair straightening device. 1,889,691; Nov. 29.
Navarro, Richard A., assignor of one-third to P. Jones and one-third to J. Boulin, Houston, Tex. Motor vehicle attachment. 1,853,449; Apr. 12.
Naye, Alfred E., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Water cooler. 1,854,995; Apr. 19.
Naye, Leon L., Chicago, Ill. Card table. 1,846,746; Feb. 23.
Navellier, Louis E. (See Rossi, Joseph P., assignor.)
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,863,608; June 21.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Improving halogen derivatives of N-dihydro-1.2.2'.1'-anthraquinoneazine. 1,877,020; Sept. 13.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing with vat dyestuffs sensitive to calcium compounds. 1,877,945; Sept. 20.

Nawiasky, Paul, and A. Ehrhardt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of brown vat dyestuffs of the diazine benzanthrone series. 1,855,306; Apr. 26.

Nawiasky, Paul, Ludwigshafen-on-the-Rhine, and H. Wolff, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Method for the production of vat dyestuffs and the product thereof 1,867,090; July 12.

Nawiasky, Paul, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuff of the anthraquinone series. 1,871,821; Aug. 16.

Nawiasky, Paul, Ludwigshafen-on-the-Rhine, and F. Kačer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing diphthloylnaphthalene compounds and a new product obtainable thereby. 1,874,580; Aug. 30.

Nawiasky, Paul, Ludwigshafen-on-the-Rhine, E. Honold, Frankfort-on-the-Main-Fechenheim, and H. Wolff, Mannheim, Germany, assignors to General Aniline Works Inc., New York, N. Y. Vat dyestuffs of the diphthaloylcarbazole series. 1,891,664; Dec. 20.

Naylor, Carl G., assignor to Naylor Pipe Company, Chicago, Ill. Closure device. 1,851,974; Jan. 19.

Naylor, Carl G., assignor to Naylor Pipe Company, Chicago, Ill. Apparatus for forming pipe and the like. 1,875,483; Sept. 6.

Naylor, Howard W., Morris, N. Y. Production and packaging of teat dilators. 1,849,015; Mar. 8.

Naylor, Joseph F., assignor of one-half to T. & T. Vicars Limited, Eardestone, England. Speed control gear for machinery. 1,858,167; May 10.

Naylor Pipe Company. (See Naylor, Carl G., assignor.)

Naylor, Walter E., assignor to Brigidare Corporation, Dayton, Ohio, Refrigerating apparatus. 1,887,563; Nov. 15.

Neal, Elmer E., New Haven, Conn., assignor to Peerless Handcuff Company, Springfield, Mass. Handcuff. 1,845,511; Feb. 16.

Neal, Elmer E., New Haven, Conn., assignor to Peerless Handcuff Co., Springfield, Mass. Handcuff. 1,851,206; Mar. 29.

Neal, Elmer E., New Haven, Conn., assignor to Peerless Handcuff Company, Springfield, Mass. Lock mechanism. 1,851,207; Mar. 29.

Neal, Elmer E., New Haven, assignor to Peerless Handcuff Company, Springfield, Mass. Lock mechanism. 1,855,686; Apr. 26.

Neal, Elmer E., New Haven, assignor to Peerless Handcuff Company, Springfield, Mass. Lock mechanism. 1,855,687; Apr. 26.

Neal, Franklin G. (See Ladd, Frank C., assignor.)

Neal, Franklin G. (See Welcker, Rudolph, assignor.)

Neal, Theophilus E., Prairie View, Tex. Automatic blowoff. 1,855,466; Nov. 1.

Neal, Thomas J., Joliet, Ill. Rotary snowplow. 1,881,805; Oct. 11.

Neal, W. B. (See Carpenter, John W., assignor.)

Neale, Herbert, Vancouver, British Columbia, Canada. Storage battery plate. 1,839,979; Jan. 5.

Neale, Herbert S., Pittsburgh, Pa. Wall paper cleaner. 1,859,747; May 24.

Neale, John, London, England. System of sound recording and reproduction. 1,879,423; Sept. 27.

Neale, John, St. John's Wood, London, England. System of railway control and signalling. 1,880,149; Sept. 27.

Neale, Lincoln C., Flemington, Australia. Manufacture of printer's ink. 1,865,035; June 28.

Neaman, Harry I., et al. (See Carney, Daniel E., assignor.)

Ne-Arga Corporation. (See Erdmann, Hans M., assignor.)

Ne-Arga Corporation. (See Spaeth, Charles, assignor.)

Neate, Reginald W., Kingston-on-Thames, England. Brake for trailer vehicles. 1,861,131; May 31.

Neate, Reginald W., Kingston-on-Thames, England. Bowden cable, flexible shaft, and the like. 1,876,731; Sept. 13.

Neave, Andrew A., assignor to Treadwell Engineering Company, Easton, Pa. Flexible coupling. 1,870,343; Aug. 9.

Nebel, Charles N., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminating circuit for two-way signaling systems. 1,856,654; May 3.

Nebel, Ernst O., Jenkintown, Pa. Method and apparatus for producing fancy knit fabric. 1,852,936; Apr. 5.

Nebel, Ernst O., Philadelphia, Pa. Knitting. 1,862,416; June 7.

Nebel, Ernst O., Hatboro, Pa. Knitting. 1,862,417; June 7.

Nebel, Ernst O., Jenkintown, Pa. Equalizing device for knitting machines. 1,885,539; Nov. 1.

Nebel, Ernst O., Philadelphia, Pa. Full fashion knitting machine. 1,892,359; Dec. 27.

Nebel, Kurt W., and B. Schubert, Chicago, Ill. Metal cutting shear. 1,842,943; Jan. 26.

Nebel, Miguel E., Paris, France. Dismountable toy furniture. 1,854,663; Apr. 19.

Nebich, Rudi, Chemnitz, Germany. Flat hosiery knitting machine. 1,867,737; May 19.

Nedbor, Samuel, Dorchester, Mass. Hose nozzle. 1,855,888; Apr. 26.

Nederlandsche, N. V. Instrumenten-Compagnie. (See van den Bergh, Samuel J., assignor.)

Nederlandsche Technische Handel Maatschappij "Giro". (See Anschütz-Kaempfe, Hermann, assignor.)

Neebe, Lawrence L., Woodbury, N. J. Safety device for coupler pockets. 1,862,418; June 7.

Neebe, Lawrence L., Woodbury, N. J. Footplate for locomotives. 1,867,466; July 12.

Neebee, Lawrence L., Woodbury, N. J. Crosstie for locomotives. 1,867,467; July 12.

Needham, Charles E., assignor to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Journal for pulverizing mill rollers. 1,891,355; Dec. 20.

Needham, John T., North Plainfield, N. J., assignor, by mesne assignments, to Pneumatic Tube Supply Co. of Delaware, Pneumatic dispatch tube apparatus. 1,853,344; Oct. 18.

Needham, Russell E. (See Porter, P. W., and Needham.)

Neel, Clyde N., Thomasville, Ga. Razor blade sharpener. 1,852,667; Apr. 5.

Neeley, George S., Hartford, assignor of one-half to G. Watkins, Alton, Ill. Preventing scaling and corrosion of metal units. 1,891,004; Dec. 13.

Neeley, George S., Hartford, assignor of one-half to G. Watkins, Alton, Ill. Preventing scaling, corrosion or like action in metallic bodies. 1,891,005; Dec. 13.

Neelmeier, Wilhelm. (See Glietenberg, E., Neelmeier, and Haller.)

Neelmeier, Wilhelm. (See Rimele E., Glietenberg, and Neelmeier.)

Neelmeier, Wilhelm, and W. Meiser, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxy-1', 8'-naphthoylenenaphthimidazoles. 1,867,091; July 12.

Neelmeier, Wilhelm, and O. Goll, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Carbazole-2,7-disulphonic acid. 1,867,864; July 19.

Neelmeier, Wilhelm, Leverkusen-on-the-Rhine, and W. Lambert, Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aromatic monoaroyl diamines. 1,874,881; Aug. 30.

Neelmeier, Wilhelm, and T. Necken, Lever-Kusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the safranine series and making them. 1,878,531; Sept. 20.

Neelmeier, Wilhelm, and E. Glietenberg, Leverkusen, near Cologne, Germany, assignors to General Aniline Works Inc., New York, N. Y. Water soluble diazo compounds. 1,879,424; Sept. 27.

Neelmeier, Wilhelm, and O. Goll, Leverkusen, I. G. Werk., Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxycarbazole sulphonic acid. 1,879,425; Sept. 27.

Neelmeier, Wilhelm, Leverkusen-on-the-Rhine, and E. van Hulle, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing anthrone-2:1-disulphonic acid. 1,889,371; Nov. 29.

Neely, Eugene M., Swissvale, Pa. Blast furnace test rod. 1,858,605; May 10.

Neely, Frank R., assignor to A. H. Ballitet Corporation, Allentown, Pa. Lining and hinge reenforcement for cigar boxes. 1,851,142; Mar. 29.

Neely, Frank R., assignor to A. H. Ballitet Corporation, Allentown, Pa. Inside label and corner flap. 1,859,523; May 24.

Neely Nut and Bolt Company. (See White, Arch S., assignor.)

Neely, Raymond J., assignor to Cherry-Burrell Corporation, Little Falls, N. Y. Mounting for truck tanks. 1,848,191; Mar. 8.

Neely, William J., assignor to The W. T. Rawleigh Company, Freeport, Ill. Toothbrush trimming machine. 1,873,660; Aug. 23.

Neenah Foundry Company. (See Keating, James P., assignor.)

Neep, George H., assignor to Switchgear & Cowans, Limited, Manchester, England. Electric switch gear. 1,856,110; May 3.

Neerup, Einar, Oak Park, Ill. Signal system. 1,860,049; May 24.

Neese, William A., assignor of one-half to J. W. Harting, Hartland, Wis. Operating mechanism for doors. 1,891,051; Dec. 13.

Neff, Abner R., Long Beach, Calif. Submarine. 1,870,263; Aug. 9.

Neff, Harry A., Bellaire, assignor to The Belmont Casket Manufacturing Company, Columbus, Ohio. Casket. 1,890,093; Dec. 6.

Neff, Johannes, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Cigarette packing machine. 1,854,950; Apr. 19.

Neff, Johannes, assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. A. Müller & Co., Dresden, Germany. Apparatus for inserting cigarettes or other goods in packets. 1,856,286; May 3.

Neff, Johannes, assignor to Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for removing articles from a pile. 1,862,386; June 7.

Neff, Johannes, assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for distributing cigarettes from a container. 1,858,331; May 10, 22.

Neff, Johannes, assignor to the Firm Universelle Cigaretten-Maschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for packeting goods. 1,858,332; Nov. 22.

Netzger, Adolf, Vienna, Austria. Hair curling process. 1,861,186; June 7.

Negrini, Bruno, Bologna, Italy. Machine for the manufacture of curled bendings at the longitudinal edges of metallic strips. 1,861,767; June 7.

Neher, Frank H. (See Levin, H. L., and Neher.)

Neher, Van A. (See Drumgold, Leland J., assignor.)

Nehin, Harry E. (See Westbrook, E., assignor, and Evans.)

Nehls, Charles H., assignor to Oakes Products Corporation, North Chicago, Ill. Bolt lock. 1,851,866; Oct. 11.

Nehlsen, Hermann. (See Schmid-Burgk, W., and Nehlsen.)

Neidel, Oscar F., assignor to George C. Moore Company, Westerly, R. I. Elastic fabric. 1,849,025; Mar. 8.

Neider, F. A., Company, The. (See Manson, Roy C., assignor.)

Neidich, Samuel A. (See Mendel, William, assignor.)

Neidich, Samuel A., Edgewater Park, N. J. Forming tubes of celluloid and the like. 1,866,168; July 5.

Neidich, Samuel A., Edgewater Park, N. J. Desk set. 1,854,130; Oct. 25.

Neidich, Samuel A., Edgewater Park, N. J. Making tubes of celluloid and the like. 1,888,045; Nov. 15.

Neidich, Samuel A., Edgewater Park, N. J. Tray. 1,851,040; Nov. 1.

Neidich, Samuel A., Edgewater Park, N. J., assignor to Sanite Corporation, Burlington, N. J. Manufacture of tapered tubes of celluloid and the like. 1,884,131; Oct. 25.

Neidich, Samuel A., Edgewater Park, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Viscose sponge apparatus. 1,884,511; Oct. 25.

Neidich Viscose Corporation. (See Mendel, William, assignor.)

Neidow, Leo T., Chicago, Ill. Swivel joint. 1,851,723; Mar. 29.

Neighbors, Charles C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material, making the same, and articles made therefrom. 1,866,123; July 5.

Neighbour, Leonard W., assignor to Deere & Company, Moline, Ill. Manure spreader. 1,843,431; Feb. 2.

Neikirk, John O., assignor to Rodger Ballast Car Co., Chicago, Ill. Car construction. 1,848,901; Mar. 8.

Neil, Arthur L., Brooklyn, N. Y. Radio aerial. 1,845,512; Feb. 16.

Neilan Co. (See Annin, Douglas H., assignor.)

Neiler, Richard W. W., Holman, Chicago, Ill. Display device. 1,879,761; Sept. 27.

Neill, Burton J., Oakland, Calif. Grand piano action. 1,884,812; Oct. 25.

Neill, Charles W., Syracuse, N. Y. Sectional cruiser. 1,891,602; Dec. 20.

Neill, John M., Newburgh, N. Y. Glass heater. 1,882,337; Oct. 4.

Neils, Frederick W., et al., executors. (See Neils, William D.)

Neils, Raymond E., et al., executors. (See Neils, William D., assignor.)

Neils, William D., deceased, Davenport, Iowa, R. E. Neils and F. W. Neils, executors, assignors to G. E. N. Neils Perry, F. W. Neils, and R. E. Neils. 1,840,170; Jan. 5.

Neilsen, Karl K., assignor to Alcor Manufacturing Company, Chicago, Ill. Candle socket. 1,855,889; Apr. 26.

Neilson, John B. (See Meisel, C. A., and Neilson.)

Neilson, Mary D., Minneapolis, Minn. Undergarments for women such as slips, pajamas, blouses, and the like. 1,891,773; Dec. 20.

Neilson, Mary D., Minneapolis, Minn. Bloomers for women. 1,891,774; Dec. 20.

Neilson, Mary D., Minneapolis, Minn. Women's vest. 1,891,775; Dec. 20.

Neiman, Howard S., Brooklyn, N. Y. Loose powder container. 1,866,576; July 12.

Nein, William C. (See Varley, T. W., and Nein.)

Nein, William C., and T. W. Varley, New York, N. Y. Alternating current motor. 1,866,507; July 5.

Neir, Earl R., Wilmette, and S. E. Witt, Geneva, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,861,224; May 31.

Neir, Earl R., Wilmette, and S. E. Witt, Geneva, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,886,296; Nov. 1.

Neithold, Carl A.-G. (See Gutermuth, Friedrich, assignor.)

Neitz, John J. (See Full, G. D., Neitz, Muntner, Buettner, and Birbaum.)

Neitzel, Franz. (See Bodmer, E., and Neitzel.)

Nejedly, Peter M. (See Bronander, W. B., Nejedly, and Thiel.)

Nekiutin, Constantine N., Ferguson, assignor to The Universal Match Corporation, St. Louis, Mo. Dispensing machine. 1,888,047; Nov. 15.

Nekoosa-Edwards Paper Company. (See Mollen, Martin J., assignor.)

Nekoosa-Edwards Paper Company. (See Wells, Sidney D., assignor.)

Nekuda, Raymond F., Kansas City, Mo. Game. 1,873,211; Aug. 23.

Neldner, Edward E. Milwaukee, Wis. Mop wringer. 1,871,003; Aug. 16.

Nelessen, Anton. (See Nelessen, John and A.)

Nelessen, John and A., Wrightstown, Wis. Tandem subsoil plow. 1,857,859; May 10.

Nell, Bernhardt, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Joining pipe ends. 1,886,275; Nov. 1.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Registration of valve chests and bushings. 1,839,581; Jan. 5.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Feed controlling apparatus. 1,845,803; Feb. 16.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Blowing arrangement for drills. 1,845,806; Feb. 16.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Blowing device for lugged drill steels. 1,846,568; Feb. 23.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,854,856; Apr. 19.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,855,723; Apr. 26.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rock drill mounting. 1,859,748; May 24.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Stoping drill. 1,860,945; May 31.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Stoping machine. 1,860,946; May 31.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Drill chuck. 1,862,761; June 14.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Back head construction for rock drills. 1,868,670; July 26.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,871,726; Aug. 16.

Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company. Slip rotation apparatus. 1,871,728; Aug. 16.

Neller, Albert H., assignor to The Louden Machinery Company, Fairfield, Iowa. Overhead carrier. 1,889,610; Nov. 29.

Nellis, Carl P., assignor to The Inland Manufacturing Company, Dayton, Ohio. Laminated steering wheel rim. 1,840,634; Jan. 12.

Nelms, Homer L., Albany, and J. A. Glenn, Nenands, N. Y. Camera. 1,842,561; Jan. 26.

Nelson, Abe C., Caddon, Colo. Moldboard. 1,851,862; Mar. 29.

Nelson, Adolf H., San Francisco, Calif. Can positioning and feeding machine. 1,889,896; Nov. 8.

Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. Re18,384; Mar. 15.

Nelson, Adolph L., Indianapolis, Ind., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,881,237; Oct. 4.

Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,847,662; Mar. 1.

Nelson, Albert C., Flushing, N. Y., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc. Tilt table. 1,874,582; Aug. 30.

Nelson, Albin E. and W. Bahr, Deer River, Minn. Vacuum lifter. 1,839,694; Jan. 5.

Nelson, Alfred M., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Attaching annular elements to supporting structures. 1,851,867; Oct. 11.

Nelson, Alfred O., Marshalltown, Iowa. Adjustable roof scaffold support. 1,864,457; June 21.

Nelson, Andrew C., Portland, Oreg. Suction producing device. 1,868,755; July 26.

Nelson, Andy P., Hurley, S. Dak. Automatic door. 1,863,497; June 14.

Nelson, Arthur C., Alexandria, Minn. Pump. 1,848,647; Mar. 8.

Nelson, Arthur C., Alexandria, Minn. Stationary piston pump. 1,848,648; Mar. 8.

Nelson, Arvid R., assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Display rack or shelf. 1,852,471; Apr. 5.

Nelson, B. F., Manufacturing Company, The. (See Pratt, Henry T., assignor.)

Nelson, Ben S., Oak Park, Ill. Attaching device. 1,850,725; Mar. 22.

Nelson, Benjamin F., Larchmont, assignor to The Best Foods, Inc., New York, N. Y. Bottle. Des. 86,177; Feb. 16.

Nelson, Bernard S., assignor to A. M. Lockett & Company, Ltd., New Orleans, La. Booster for exhaust steam. 1,871,502; Sept. 6.

Nelson, Bert J. (See Coles, W. H., and Nelson.)

Nelson Brothers Company. (See Nelson, Harry B., assignor.)

Nelson, Charles E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magazining device. 1,841,568; Oct. 11.

Nelson, Charles S., Sandpoint, Idaho. Motor vehicle chassis. 1,886,573; Nov. 8.

Nelson, Christian S., Brooklyn, N. Y., assignor to C. Loring, Boston, Mass. Mop. 1,872,791; Aug. 23.

Nelson, Charles W., assignor to Paper Patents Company, Neenah, Wis. Filter for paper making. 1,839,249; Jan. 5.

Nelson, Christian, Oceanside, Calif. Suspender hook. 1,879,817; Sept. 27.

Nelson, Christian B., Chicago, Ill. Gauge. 1,867,922; July 19.

Nelson, Christine, San Francisco, Calif. Clothes hanging device. 1,861,282; May 31.

Nelson, Clarence E., Terrace, Minn. Platform canvas attachment. 1,869,757; Aug. 2.

Nelson, Crescent F., New Dorp, assignor to The Western Union Telegraph Company, New York, N. Y. Operating a channel of differential cable code over a channel of a multiplex circuit. 1,864,494; June 21.

Nelson, Dan, Norman, Okla. Cotton picking machine. 1,844,785; Feb. 9.

Nelson, David J., Hamburg, assignor to Martin & Schwartz, Inc., Buffalo, N. Y. Fluid dispenser. 1,857,969; May 10.

Nelson, Edwin F., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,888,048; Nov. 15.

Nelson, Elmer A., Dormont, assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Floor construction. 1,887,875; Nov. 15.

Nelson, Emil A., Detroit, Mich. Tire rim. 1,861,238; May 31.

Nelson, Emil A., Detroit, Mich. Making cap nuts. 1,867,229; July 12.

Nelson, Emil A., Detroit, Mich. Rim construction. 1,880,974; Oct. 4.

Nelson, Emil A., Detroit, Mich. Manual brake control. 1,886,259; Nov. 29.

Nelson, Emil A., St. Clair Shores, Mich. Wheel and wrench therefor. 1,887,378; Nov. 8.

Nelson, Emil A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Securing demountable wheel parts. 1,843,985; Feb. 9.

Nelson, Emil A., Detroit, Mich., assignor to Motor Wheel Corporation. Wire wheel. 1,887,513; Nov. 15.

Nelson, Eric H., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger baffle construction. 1,848,741; Mar. 8.

Nelson, Erik S., San Francisco, Calif. Multihelix. 1,844,786; Feb. 9.

Nelson, Frank G., Jr., Morgantown, W. Va. Glass working apparatus. 1,842,279; Jan. 19.

Nelson, Franklin C., Roselle Park, N. J., assignor to Standard Oil Development Company. Liquid spraying device. 1,843,579; Feb. 2.

Nelson, Franklin C., Elizabeth, N. J., assignor to Stanco, Incorporated. Multiple siphon tube for sprayers. 1,851,588; Mar. 29.

Nelson, Franklin C., Elizabeth, N. J., assignor to Standard Oil Development Company. Sprayer. 1,865,203; June 28.

Nelson, Franklin C., Roselle, N. J., assignor to Standard Oil Development Company. Spray device. 1,870,822; Aug. 9.

Nelson, Fred O., and C. A. Fogel, Pittsburgh, Pa. Merchandise display fixture. 1,846,976; Feb. 23.

Nelson, Gustavus E., Springfield, Ill. Artificial bait. Re18,359; Feb. 23.

Nelson, Hans A., Ajo, Ariz. Ore bin structure. 1,839,301; May 31.

Nelson, Hans A., Exira, Iowa. Bearing member assembly. 1,861,239; May 31.

Nelson, Harold, New Windsor, Ill. Adjustable wrench. 1,848,707; Mar. 8.

Nelson, Harry B., assignor to Nelson Brothers Company, Saginaw, Mich. Pump assembly for internal combustion engines. 1,891,392; Dec. 20.

Nelson, Harry E., deceased, by F. E. Hill, administrator, Newton, Iowa. Washing machine casing. Des. 86,735; Apr. 12.

Nelson, Henry F., La Fayette, Ind. Toy gun. Des. 87,124; June 7.

Nelson, Henry M. (See Nelson, Nels H., and H. M.)

Nelson, Herman, Corporation, The. (See Belling, Earl H., assignor.)

Nelson, Herman, Corporation, The. (See Nelson, Richard H., assignor.)

Nelson, Herman, Corporation, The. (See Shurtleff, Wilfred, assignor.)

Nelson, Horatio D., et al. (See Wood, Sidney C., assignor.)

Nelson, Horatio D., Jersey City, N. J. Antiglare shield. 1,837,284; May 10.

Nelson, Ira I., Boston, Mass. Valve for hot water systems. 1,861,506; June 7.

Nelson, Ira P., Montpelier, Ind. Lifter device and emergency wheel. 1,846,448; Feb. 23.

Nelson, Ira S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rolling mill engine. 1,881,869; Oct. 11.

Nelson, Jabez C., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Utility table. 1,873,902; Aug. 23.

Nelson, Jabez C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Extractor basket for washing machines. 1,887,211; Nov. 8.

Nelson, James. (See Bain, R. D., and Nelson.)

Nelson, John, Chicago, assignor of one-half to B. Granberg, Rockford, Ill. Clutch. 1,889,998; Dec. 6.

Nelson, John H., Madison, Wis. Adhesive tape dispensing machine. 1,887,460; Nov. 8.

Nelson, John J., North Milwaukee, Wis. Reading board. 1,851,320; Mar. 29.

Nelson, John N., Rochester, N. Y., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,867,865; July 19.

Nelson, John Y. (See Krag, F. K., and Nelson.)

Nelson, John Y., Maywood, assignor of one-half to F. K. Krag, Chicago, and one-half to J. L. Bennet, Decatur, Ill. Knife construction for bread slicing machines. 1,841,144; Jan. 12.

Nelson, Louis E. (See Olson, J. M., and Nelson.)

Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Remote control system. 1,845,321; Feb. 16.

Nelson, Martin, L., Park Ridge, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Multioffice telephone system. 1,855,724; Apr. 26.

Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Timing device. 1,868,989; July 26.

Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Remote control system. 1,888,329; Nov. 22.

Nelson, Morris. (See Eustis, Robert I., assignor.)

Nelson, N. P., Iron Works, Inc. (See James, Frederic W., assignor.)

Nelson, Nels H., Minneapolis, Minn. Vehicle signal. Des. 86,965; May 17.

Nelson, Nels H., assignor to Merchants Association, Inc., Dayton, Ohio. Printing press. 1,885,131; Nov. 1.

Nelson, Nels H., and H. M., Minneapolis, Minn. Automobile signaling device. 1,837,210; May 10.

Nelson, Ole A., Clarendon, Va., assignor, by mesne assignments, to H. W. Kaylor, Hagerstown, Md. Composition for building blocks and making the composition. 1,850,845; Mar. 22.

Nelson, Ole G., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Attaching device. 1,889,738; Nov. 29.

Nelson, Orval E., Crosby, Tex. Twin pressure valve. 1,891,570; Dec. 20.

Nelson, Oscar F., Prentice, Wis. Fur stretcher. 1,892,624; Dec. 27.

Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator. 1,882,085; Oct. 11.

Nelson, Robert E., Pasadena, Calif. Fuel injection device. 1,860,784; May 31.

Nelson, Robert W. (See Jones, J. F., and Nelson.)

Nelson, Roy A., assignor to Chicago Railway Equipment Company, Chicago, Ill. Door guard. 1,849,951; Mar. 15.

Nelson, Roy A., assignor to Chicago Railway Equipment Company, Chicago, Ill. Steel door construction. 1,887,819; Nov. 15.

Nelson, Royal G. (See Blood, H. E., and Nelson.)

Nelson, Royden. (See Croxford, George, assignor.)

Nelson, Rudolph S., Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio. Evaporator for refrigerating systems. 1,854,436; Apr. 19.

Nelson, Stanley F. (See Bascom, H. M., and Nelson.)

Nelson, Stanley F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Annunciator system. 1,889,053; Nov. 29.

Nelson, Steven C., Finley, N. Dak. Grain tank. 1,861,283; May 31.

Nelson, Theodore J., and C. H. Gerlofson, Chicago, Ill. Seat. 1,874,333; Aug. 30.

Nelson, Thomas. (See 4,136, G. R., and Nelson.)

Nelson, Thomas, Junction City, Oreg. Side gauge pin for platen presses. 1,849,585; Mar. 15.

Nelson, Victor E., assignor to Universal Oil Seal Company, Pontiac, Mich. Packing ring. 1,852,472; Apr. 5.

Nelson, Virginia P., New York, N. Y. Collapsible canopy support. 1,877,192; Sept. 13.

Nelson, Waldo F., Salt Lake City, Utah. Framing light shutter lifter. 1,870,463; Aug. 9.

Nelson, Walter C., assignor to Eastman Kodak Company, Rochester, N. Y. Toning bath for photographic prints. 1,849,245; Mar. 15.

Nelson, Walter H. (See Leigh, Fred A., assignor.)

Nelson, Walter O., Oslo, Minn., and S. O. Brune, Winnipeg, Manitoba, Canada. Weeding machine. 1,841,906; Jan. 19.

Nelson, William, Minneapolis, Minn., assignor to Burnett Walker, New York, N. Y. Wheel structure. 1,846,064; Feb. 23.

Nelson, William, Minneapolis, Minn., assignor to Burnett Walker, New York, N. Y. Radiator cap. 1,884,132; Oct. 25.

Nelson, William K., assignor to Universal Gypsum & Lime Co., Chicago, Ill. Composition construction or insulating material. 1,863,990; June 21.

Nelson, William K., assignor to Universal Gypsum & Lime Co., Chicago, Ill. Method of and apparatus for making gypsum board. 1,868,671; July 26.

Nelson, William K., assignor to Insulex Corporation, Chicago, Ill. Composition construction or heat insulating material. 1,871,199; Aug. 9.

Nelson, William K., assignor to Universal Gypsum & Lime Co., Chicago, Ill. Apparatus for making heat and sound insulating products. 1,875,644; Sept. 6.

Nelson, William K., assignor to Universal Gypsum & Lime Co., Chicago, Ill. Heat and sound insulating block. 1,876,071; Sept. 6.

Nelson, William M. (See Sylvester, William W., assignor.)

Nelson, William W., Brookline, Mass. Valve for wind musical instruments. 1,887,657; Nov. 15.

Nemec, Fred A., Whittier, Calif. Fluid control device. 1,857,321; May 10.

Nemeth, Paul, Lansing, N. Y. Spark indicating device for combustion motors. 1,856,883; May 3.

Németh, Steve. (See Moldovan, George.)

Nenninger, Lester F. (See Einstein, S., and Nenninger.)

Nenninger, Lester F. (See Einstein, S., Nenninger, and Hans.)

Nenninger, Lester F. (See Ernst, H., and Nenninger.)

Nenninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,848,911; Jan. 5.

Nenninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,857,182; May 10.

Nenninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Transmission and control mechanism. 1,859,242; May 17.

Nenninger, Lester F., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,874,583; Aug. 30.

Nenninger, Lester F., Cincinnati, Ohio, assignor, by mesne assiguments, to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,881,870; Oct. 11.

Neon, Claude, Electrical Products Corporation. (See Fitzbugh, George D., assignor.)

Neon, Claude, Electrical Products Corporation. (See Ilgis, B. C., Northcott, and Erickson, assignors.)

Neon, Claude, Electrical Products Corporation. (See van Wyck, C. and Hdye, assignors.)

Neon, Claude, Electrical Products Corporation, Ltd. (See Harris, John W., assignor.)

Neon, Claude, General Advertising Limited. (See Lamy, Georges, assignor.)

Neon, Claude, Lights, Inc. (See Beck, Leo L., assignor.)

Neon, Claude, Lights, Inc. (See Claude, Georges, assignor.)

Neon, Claude, Lights, Inc. (See Morris, Melvin G., assignor.)

Neon, Claude, Lights, Inc. (See Noble, Aubrey E., assignor.)

Neon, Claude, Lights, Inc. (See Smalley, Robert C., assignor.)

Neon Electric Sign Co. (See Helgenberg, Henry, assignor.)

Neorr, Harry M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Valve. 1,872,792; Aug. 23.

Ne Page, Justus F., assignor to Ne Page McKenny Co., Seattle, Wash. Metal lamp post. 1,878,799; Sept. 20.

Ne Page, Justus F., assignor to Ne Page McKenny Co., Seattle, Wash. Metal lamp post. 1,882,228; Oct. 11.

Ne Page, Justus F., assignor to Ne Page McKenny Company, Seattle, Wash. Air compressor plant. 1,889,451; Nov. 29.

Ne Page McKenny Co. (See Ne Page, Justus F., assignor.)

Neptune Engineering Company. (See Svendsen, R. T., and Chandler, assignors.)

Neptune Meter Company. (See Marden, William L., assignor.)

Neracher, William A., et al. (See Borden, Bradford T., assignor.)

Neracher, William A. (See Borden, B. T., and Neracher.)

Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Apparatus for heat removal by mercury. 1,866,367; July 5.

Nerby, Edgar A., Wauwatosa, Wis. Animal trap. 1,881,871; Oct. 11.

Nereim, Roy O., Highland Park, Ill. Combined set of toilet accessory containers and holder therefor. Des. 88,167; Nov. 1.

Neresheimer, Heinrich. (See Lüttringhaus, A., Neresheimer, Eichholz, Boehner, and Schneider.)

Neresheimer, Heinrich. (See Lauettringhaus, A., Neresheimer, and Schneider.)

Neresheimer, Heinrich, and Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of new vat dyestuff of the anthraquinone acridine series. 1,844,016; Feb. 9.

Neresheimer, Heinrich, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the pyrazolanthrone series. 1,846,239; Feb. 23.

Neresheimer, Heinrich, Ludwigshafen-on-the-Rhine, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors, to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone-acridone series and making same. 1,850,662; Mar. 22.

Neresheimer, Heinrich, Ludwigshafen-on-the-Rhine, and W. Eichholz, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of new vat dyestuffs. 1,857,584; May 10.

Neresheimer, Heinrich, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen derivatives of the anthraquinoneazine series and making same. 1,877,946; Sept. 20.

Neresheimer, Heinrich, Ludwigshafen-on-the-Rhine, E. Honold, Frankfort-on-the-Main-Fechenheim, and G. Böhner, Friedrichsfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone acridine series. 1,877,947; Sept. 20.

Neresheimer, Heinrich, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the N-dihydro 1,2,2',1'-anthraquinoneazine series and making same. 1,877,948; Sept. 20.

Nerger, Hans J., New York, N. Y. Textile fabric or the like. Des. 88,815; Dec. 27.

Nerger, Hans J., New York, N. Y. Textile fabric or the like. Des. 88,816; Dec. 27.

Nerger, Hans J., New York, N. Y. Textile fabric or the like. Des. 88,817; Dec. 27.

Nerlich, August, Beyenburg-on-the-Wupper, Germany. Projectile for toy firearms. 1,880,330; Oct. 4.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Ophthalmic mounting. Des. 86,328; Feb. 23.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Nose bridge for spectacles. Des. 87,125; June 7.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Ophthalmic mounting. Des. 87,441; July 26.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Pair of spectacles. Des. 87,442; July 26.

Nerney, George E., Attleboro, Mass., assignor to Bay State Optical Company. Eyeglass construction. 1,840,787; Jan. 12.

Nerney, George E., Attleboro, Mass., assignor to Bay State Optical Company. Eyeglass construction. 1,845,761; Feb. 16.

Nerney, George E., Attleboro, Mass., assignor to Bay State Optical Company. Temple bar construction. 1,845,807; Feb. 16.

Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Selective heating control. 1,848,966; Mar. 8.

Nero, Arvid H., West Hartford, assignor to Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Faceplate. 1,858,107; May 10.

Nero, Arvid H., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Locking means for separable electric fittings. 1,874,334; Aug. 30.

Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Combined switch and circuit breaker. 1,883,814; Oct. 18.

Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Switch handle. 1,884,135; Oct. 25.

Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Combined yoke and terminal. 1,888,882; Nov. 22.

Nesbit, Arthur F., Wilkinsburg, Pa. Method of and apparatus for cleaning gases. 1,888,606; Nov. 22.

Nesbitt Fruit Products, Inc. (See Wagner, Paul G., assignor.)

Nesbitt, Harold H., Belair, assignor to Hartford Engineering and Machine Company, Aberdeen, Md. Mechanical refrigeration. 1,874,204; Aug. 30.

Nesbitt, John J., Inc. (See Ewald, Warren, assignor.)

Nesbitt, John J., Inc. (See Ewald, W., and Henshall, assignors.)

Nesbitt, John J., Inc. (See Henshall, Percival P., assignor.)

Nesbitt, John J., Inc. (See Henshall, P. P., and Ewald, assignors.)

Nesbitt, John J., Inc. (See Werft, E. L., Ewald, and Henshall, assignors.)

Nese, John, Niagara Falls, N. Y. Ash sifter. 1,859,373; May 24.

Ness, George B., Seattle, Wash. Necktie crease remover. 1,871,222; Aug. 9.

Nest, Richard E., Tacoma Park, Md. Dispensing apparatus for lubricating oils. 1,884,134; Oct. 25.

Nester, Howard W., assignor to Parker Wire Goods Company, Worcester, Mass. Road chair. 1,863,581; June 21.

Nester, Samuel K. (See Weckbaugh, Joseph V., assignor.)

Nester, Samuel K. (See Weckbaugh, J. V., and Nester.)

Nester, Samuel K., Geneva, N. Y., assignor by mesne assignments, to Frederick John, Edwin China, and Burt, Boulton & Haywood, Limited, London, England. Disintegrating mill. 1,871,127; Aug. 9.

Nester, William A., East St. Louis, Ill., assignor to Obear-Nester Glass Company, St. Louis, Mo. Prescription bottle. Des. 87,975; Oct. 18.

Nestle and Anglo-Swiss Condensed Milk Company. (See Raymond, Max, assignor.)

Nestle-Lemur Company, The. (See Comerford, Grace, assignor.)

Nestle-Lemur Company, The. (See Cox, John W., assignor.)

Nestle-Le Mur Company, The. (See Lewis, Wilbur S., assignor.)

Nestle-LeMur Company, The. (See Metz, John, assignor.)

Nestler, Richard, Lahr, Germany. Drawing table. 1,859,456; May 24.

Nestle's Food Company. (See Scott, Austin A., assignor.)

Nestle's Food Co., The. (See Sneed, Robert E., assignor.)

Nestor, Thomas J., Bergenfield, N. J., assignor of A. Reich and C. Reich, Brooklyn, N. Y. Handle for shopping bags and making. 1,856,353; May 3.

Neth, Clemens, Malone, and Dr. Duty, Milwaukee, Wis. Purse holder for table. 1,884,135; Oct. 25.

Nettel, Jiří, Prague, Czechoslovakia. Hydraulic change-speed electric motor. 1,860,266; July 5.

Nettenstrom, David, assignor of one-half to H. C. Wanner, Chicago, Ill. Universal coupling. 1,853,171; Apr. 12.

Nettleton, A. E., Company. (See Cook, Henry W., assignor.)

Nettleton, Lewis L., Edgewood, Pa. Valve for controlling fluid pressure. 1,887,322; Nov. 8.

Nettleton, Lewis L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,858,901; May 17.

Nettleton, Lewis L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signalling apparatus and method. 1,869,020; July 26.

Nettleton, Lewis L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling apparatus. 1,873,883; Sept. 6.

Neubauer, Ferdinand, Brooklyn, assignor to twenty-four and one-half per cent to Arthur Neubauer and twenty-four and one-half per cent to J. Pazourek, Cleveland, Ohio. Bottle or jar cap. 1,859,710; May 24.

Neuberg, William F., New York, N. Y. Airplane. 1,847,222; Mar. 1.

Neuber, Friedrich, T. Neuber, née Drehmann, and L. M. Hermann, Hamburg, Germany. Cooking plate. 1,886,297; Nov. 1.

Neuber, Therese, née Drehmann. (See Neuber, Friedrich and T., and Hermann.)

Neuberger Chemical Corporation. (See Clark, John W., assignor.)

Neubert, Oskar, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Medicinal bougie, ball, and the like and making same. 1,858,108; May 10.

Neuberth, George H., Newark, N. J., assignor, by mesne assignments, to Tube Reducing Corporation, Wilmington, Del. Method of and apparatus for working metals. Reissue 18,329; Jan. 12.

Neuberth, George E., Newark, N. J., assignor, by mesne assignments, to Tube Reducing Corporation, Wilmington, Del. Metal tube. 1,842,280; Jan. 19.

Neuerburgsche Verwaltungsgesellschaft. (See Behrlenz, Joseph, assignor.)

Neuerburg'sche Verwaltungsgesellschaft G. m. b. H. (See Lied, Fritz, assignee.)

Neuerburg'sche Verwaltungsgesellschaft m. b. H. (See Schunemann, Heinrich, assignor.)

Neufang, Henry J., assignor to Boggs Plow Company, Inc., Atlanta, N. Y. Plow. 1,843,780; Feb. 2.

Neufang, Henry J., assignor to Boggs Plow Company, Inc., Atlanta, N. Y. Lever. 1,861,507; June 7.

Neufeldt & Kuhnke Betriebsgesellschaft m. b. H., The Firm. (See Hausrath, H., and Saacke, assignors.)

Neugass, Miriam N., New York, N. Y. Statuette or similar article. Des. 87,314; July 5.

Neugebauer, Wilhelm. (See Schmidt, M. P., and Neugebauer.)

Neugebauer, Wilhelm, assignor to Kalle & Co. Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Preparing proteinases free from peptidases. 1,892,247; Dec. 27.

Neuhaus, Fritz, Berlin-Tegel, Germany. Steel vessel and producing the same. 1,860,292; May 24.

Neuhaus, Richard, assignor to Nukem Products Corporation, Buffalo, N. Y. Making tanks. 1,847,192; Mar. 1.

Neuhausen, Sebastian P., Lombard, Ill. Window construction. 1,854,419; Apr. 19.

Neuhauss, Heinrich, Dusseldorf, Germany. Making and patching furnace walls and linings. 1,876,734; Sept. 13.

Neuhauss, Heinrich, Dusseldorf, Germany, assignor to The Ajax Metal Company, Philadelphia, Pa. Recuperator or regenerator use of gases from high frequency furnaces. 1,839,927; Jan. 5.

Neuhauss, Heinrich, Dusseldorf, Germany, assignor to The Ajax Metal Company, Philadelphia, Pa. Inductive heating. 1,845,322; Feb. 16.

Neuhauss, Heinrich, Dusseldorf, Germany, assignor to The Ajax Metal Company. Philadelphia, Pa. Sintering refractories from molten magnesite or other materials. 1,856,851; May 3.

Neuhauss, Heinrich, Dusseldorf, Germany, assignor to The Ajax Metal Company, Philadelphia, Pa. Induction electric furnace. 1,859,680; May 24.

Neuhauss, Heinrich, Dusseldorf, Germany, assignor of one-half to Guillaum H. Clamer, Atlantic City, N. J. Metallurgical apparatus. 1,876,732; Sept. 13.

Neuhauss, Heinrich, Dusseldorf, Germany, assignor to The Ajax Metal Company, Philadelphia, Pa. Sintering mechanism. 1,876,733; Sept. 13.

Neuhold, Walter, Berlin, Germany. Cable impregnating apparatus. 1,866,418; July 5.

Neuhut, Emil, and Friedrich Petrowitz, Vienna, Austria; said Petrowitz assignor to said Neuhut. Luminous sign. 1,847,534; Mar. 1.

Neuland, Alfons H., Irvington, N. J., assignor, by mesne assignments, to Electrogear Corporation. Motor vehicle power and transmission apparatus. 1,890,015; Dec. 6.

Neumann, Joseph A., Jersey City, N. J., assignor to International Cigar Machinery Company. Cigar package. 1,892,285; Dec. 27.

Neuman, J. J., New York, N. Y. Conveyer. 1,855,767; Apr. 26.

Neuman, Jacob J. (See Dienst, A., and Neuman.)

Neuman, Joseph, Elizabeth, N. J. Mattress. 1,860,293; May 24.

Neumann, Frank, Washington, D. C. Balance. 1,870,344; Aug. 9.

Neumann, Frederick. (See Hogg, W. J., and Neumann.)

Neumann, Frederick F., West Hartford, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 1,851,919; Mar. 29.

Neumann, Hans, Berlin-Siemensstadt, and H. Kuhlewein, Berlin-Mariendelde, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Magnetic alloy of high permeability. 1,857,970; May 10.

Neumann, Paul A., Chicago, Ill. Suction promoting accessory for automobiles. 1,858,412; May 17.

Neumann, Wilhelm, Lautawerk, Germany. Producing aluminum and aluminum alloys. 1,881,873; Oct. 11.

Neumeier, Moritz, Hartenyn-Im Labechschen, and H. Weidmann, and G. Roesner, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of ferro-phosphorus low in or practically free from silicon. 1,882,517; Oct. 11.

Neumeister, Anton W. (See Neimeister, Earl L. and A. W.)

Neumeister, Earl L. and A. W., Milo, N. Dak. Hay cutter and distributor. 1,867,168; July 12.

Neumiller, Harry J., assignor to Humitube Mfg. Co., Peoria, Ill. Device for inflating containers. 1,877,940; Sept. 20.

Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Hub cap. 1,845,323; Feb. 16.

Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Electrical contact for lamps. 1,885,467; Nov. 1.

Neunherz, Herbert W. (See Johnson, A. S., and Neunherz.)

Neurath, Werner, Vienna, Austria. Transmission gear. 1,858,934; May 17.

Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Micrometer adjusting device for clocks and similar mechanisms. 1,860,153; May 24.

Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Electric switch. 1,869,610; Aug. 2.

Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Electrical switch mechanism. 1,882,229; Oct. 11.

Neuss, Oskar. (See Goldschmidt, H., and Neuss.)

Neusiis, William, Yorkville, Ill. Fire escape. 1,860,294; May 24.

Neuteboom, Boudewyn B. (See Thomas, H. T., and Neuteboom.)

Neuwirth, Herman, New York, N. Y. Flash gun. 1,853,172; Apr. 12.

Neuwirth, Herman, New York, N. Y. Portable supporting device. 1,853,761; June 21.

Neuwirth, Herman, New York, N. Y. Combination sun watch dial and compass. 1,887,064; Nov. 8.

Neuwirth, Herman, Brooklyn, N. Y. Swivel mounting. 1,854,951; Apr. 19.

Neval, Henry, Attleboro, Mass. Pipe construction. 1,851,054; Mar. 29.

Neverburn Cooker Co. (See Mills, Lewis H., assignor.)

Neverfale Parachute Corporation, The. (See Schwabek, George G., assignor.)

Neverman, August W., Green Bay, Wis. Electric gas tank lock. 1,872,082; Aug. 16.

Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,881,221; Oct. 4.

Neville Company, The. (See Schwalm, Bruce F., assignor.)

Neville, Harvey A., Bethlehem, Pa., assignor to E. J. McIlraith, Chicago, Ill. Removing carbon monoxide from exhaust gases. 1,867,329; July 12.

Neville, Herbert, Cheam, and E. W. Cotter, London, assignors to J. Stone & Company Limited, Deptford, England. Sliding window. 1,862,236; June 7.

Nevills, John J., Oakland, assignor to Libby, McNeill & Libby, San Francisco, Calif. Cooker. 1,868,022; July 19.

Nevin, Donald A., Waynesboro, Pa. Card indexing device. 1,874,835; Aug. 30.

Nevin, Edward L., Escondido, Calif. Combined dump truck and road drag. 1,885,468; Nov. 1.

Nevin, Mendel, Brooklyn, N. Y. Hypodermic syringe. 1,858,265; Jan. 5.

Nevin, Mendel, Brooklyn, N. Y. Hypodermic syringe and the like. 1,840,788; Jan. 12.

Nevins, Charles A., Whitestone, and J. Wright, Bronx, assignors to Doherty Research Company, New York, N. Y. Piston valve and actuating mechanism. 1,846,747; Feb. 23.

Nevins-Church Press, The. (See Driver, Frederick H., assignor.)

Nevins Church Press. (See Locke, Edwin A., jr., assignor.)

New, Gustave A., assignor to The American Gypsum Co., Fort Clinton, Ohio. Heat insulating and acoustic plaster. 1,839,857; Jan. 5.

Newark Parafine & Parchment Paper Co. (See Elsner, William J., assignor.)

Newark Rivet Works. (See Heilmann, William A., assignor.)

Newark Warehouse Company. (See Campbell, N. G., and Yates, assignors.)

Newbaker, Edward J., Windber, Pa., assignor to Berwind-White Coal Mining Company. Apparatus for mining. 1,845,407; Feb. 16.

Newbaker, Edward J., assignor to The Berwind-White Coal Mining Company, Windber, Pa. Miner's tool for punching and shearing coal. 1,858,518; May 17.

Newbauer, Oscar E., Rochester, N. Y. Hack saw. 1,841,627; Jan. 19.

New Brick Corporation. (See Fried, William B., assignor.)

New Brick Corporation. (See Krauss, Joseph, assignor.)

New British Machine Company, The. (See Brown, Robert S., assignor.)

New British Machine Company, The. (See Costello, William F., assignor.)

Newby, May, assignor to Clarence Towner and Company, Denver, Colo. Comb for finger waving. 1,852,302; Apr. 5.

Newby, Neal D. (See Bailey, R. S., Newby, and Moody.)

Newcastle, Edward, San Francisco, Calif. Freight car ladder. 1,852,430; Apr. 5.

New Castle Refractories Company. (See Dressler, Philip d'Huc, assignor.)

New Castle Refractories Company. (See Fear, Harry E., assignor.)

New Castle Refractories Company. (See Rowland, Roger W., assignor.)

New Castle Refractories Company. (See Vincent, Laurence A., assignor.)

Newcomb, Clyde R., Orchards, Wash. Silent gear shift for automobile engines. 1,870,134; Aug. 2.

Newcomb-David Company. (See Ludwig, John E., assignor.)

Newcomb, Edward C., assignor to The Studebaker Corporation, South Bend, Ind. Internal combustion engine. 1,874,585; Aug. 30.

Newcomb, Leroy. (See Eisenschmid, W., and Newcomb.)

Newcomb, Louis C., Walworth, Wis., assignor of one-half to H. U. Krebser, Elgin, Ill. Food server. 1,881,873; Oct. 11.

Newcomer, Edward F., Miami, Fla. Indicator. 1,857,255; May 10.

Newcomer, Ernest J., assignor to The Floorola Corporation, York, Pa. Brush holder. 1,863,091; June 21.

New Departure Manufacturing Company, The. (See Bannger, John H., assignor.)

New Departure Manufacturing Company. (See Delavalcrow, Thomas C., assignor.)

New Departure Manufacturing Company, The. (See Hughes, Frederick G., assignor.)

New Departure Manufacturing Company, The. (See Hughes, F. G., and Simmons, assignors.)

New Departure Manufacturing Company, The. (See Stevens, Clarence C., assignor.)

New Departure Manufacturing Company, The. (See Vuilleumier, Albert, assignor.)

New Diamond Point Pen Co. (See Kolber, Aaron, assignor.)

Newell, Harold R., and W. L. Millar, Lambton, Ontario, Canada, assignors to Washburn Company, Worcester, Mass. Window screen. 1,881,874; Oct. 11.

Newell, Lester H., Sharon, Pa. Dispensing holder for paste tubes. 1,884,136; Oct. 25.

Newell Mfg. Co., The. (See Jenkinson, George B., assignor.)

Newell, Robert E., Irwin, Pa. Regulator. 1,868,116; July 19.

Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Valve control. 1,844,071; Feb. 9.

New England Butt Company. (See Littlefield, Arlon, assignor.)

New England Fibre Blanket Company. (See Ellis, Frank E., assignor.)

New England Fuel and Transportation Company. (See Boynton, Robert M., assignor.)

New England Lace Mills, Inc. (See Boysen, George D., assignor.)

New England Lace Mills, Inc. (See Edson, Bert, assignor.)

New England Mica Co. (See Boughton, Willis A., assignor.)

New England Mico Co. (See Cooper, Edward, assignor.)

New England Spun Silk Corporation. (See Wyss, Julius, assignor.)

Newhall, Henry B., Corporation. (See Brown, Harry C., assignor.)

Newhall, Henry B., Corporation. (See Hescock, Ethan, assignor.)

Newhall, Henry B., Corporation. (See Hubener, William A., assignor.)

Newhall, Henry B., Corporation. (See Karitzky, John, assignor.)

Newhall, Henry B., Corporation. (See Pleister, Henry W., assignor.)

Newhall, Henry B., Corporation. (See Tulloch, David, assignor.)

New Haven Clock Company, The. (See Langbein, Jacob F., assignor.)

New Haven Clock Co., The. (See Porter, Wilson E., assignor.)

New Haven Clock Co., The. (See Whitehead, R. H., and Porter.)

New Haven Sand Blast Company, The. (See Billings, C. E., and Sammis, assignors.)

New Haven Sand Blast Company, The. (See Sammis, Donald S., assignor.)

New Home Washing Machine Co. (See Paquette, Donat N., assignor.)

Newhouse, George A., Yorktown, Ind. Cultivating implement. 1,890,221; Dec. 13.

Newhouse, Marrietta, et al. (See Smith, Clarence K., assignor.)

Newhouse, Ray C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cooler. 1,854,757; Apr. 19.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Comminuting body. 1,860,393; May 31.

Newhouse, S. O., et al. (See Smith, Clarence K., assignor.)

Newhouse, Walter F., Benton Harbor, Mich. Eccentric cam drive. 1,859,457; May 24.

Newhouse, Walter F., Benton Harbor, Mich. Feed dog. 1,863,879; July 5.

Newhouse, Walter F., assignor to Saranac Machine Company, Benton Harbor, Mich. Machinery for making receptacles. 1,848,431; Mar. 8.

Newhouse, Walter F., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Stapling machine. 1,853,633; Apr. 12.

Newhouse, Walter F., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Carton stapling machine. 1,886,971; Nov. 8.

New Idea Potato Machinery Co. (See Paulson, Martin A., assignor.)

New Idea Spreader Co., The. (See Oppenheim, Theodore H., assignor.)

New Idea Spreader Company, The. (See Synck, Henry, assignor.)

Newill, Edward B., assignor to General Motors Radio Corporation, Dayton, Ohio. Electrical apparatus. 1,844,519; Feb. 9.

Newill, Edward B., assignor to General Motors Radio Corporation, Dayton, Ohio. Cone type speaker. 1,844,787; Feb. 9.

Newill, Edward B., assignor to General Motors Radio Corporation, Dayton, Ohio. Electrical apparatus. 1,885,621; Nov. 1.

New Jersey Machine Corporation. (See Fleischer, Paul Werner, assignor.)

New Jersey Machine Corporation. (See Fleischer, P. W., and Feybusch, assignors.)

New Jersey Optical Company. (See Durgin, Edgar R., assignor.)

New Jersey State Agricultural Experiment Station. (See Blake, Maurice A., assignor.)

New Jersey Wire Stitching Machine Co. (See Zeruneith, Rudolf E., assignor.)

New Jersey Zinc Company, The. (See Anderson, E. A., and Werley, assignors.)

New Jersey Zinc Company, The. (See Bunce, Earl H., assignor.)

New Jersey Zinc Company. (See Flynn, Edmund J., assignor.)

New Jersey Zinc Company, The. (See Mahler, G. T., and Handwerk, assignors.)

New Jersey Zinc Company, The. (See Peirce, Willis M., assignor.)

New Jersey Zinc Company. (See Peirce, W. M., and Anderson, assignors.)

Newkirk, Burt L., and L. P. Grobel, Schenectady, N. Y., assignors to General Electric Company. Shaft packing. 1,876,520; Sept. 6.

Newkirk, Edgar D. (See Snyder, F. H. and Newkirk.)
Newkirk, William B. (See Ebert, C., Newkirk, and Moskowitz.)
Newkirk, William B., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of hydrous dextrose from high purity solutions. 1,890,913; Dec. 13.
Newkirk, William P., Montebello, Calif. Dressing table. Des. 86,736; Apr. 12.
Newland, Amos P. (See Hungerford, D. D., and F. S., and Newland.)
Newman, Alfred, Tompkinsville, assignor to Pacific Coast Borax Company, New York, N. Y. Preparing boric acid. 1,868,391; Nov. 22.
Newman, Charles. (See Schults, W. C., and Holzer, assignors.)
Newman, Charles, New York, N. Y., and E. G. Appleton, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Adjustable bracket support. 1,839,250; Jan. 5.
Newman, Charles, New York, N. Y., and E. G. Appleton, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Electric outlet receptacle. 1,840,734; Jan. 12.
Newman, David F. (Payne, A. C., and Newman.)
Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Device for synchronizing ticker tape puller. 1,847,663; Mar. 1.
Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,868,759; July 26.
Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection system. 1,891,439; Dec. 20.
Newman, Edward J., assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Guard for service pitchers and making same. 1,870,377; Aug. 9.
Newman, Edwin B. S., Washington, D. C. Ice tray. 1,868,070; July 19.
Newman, Ephraim A., Baltimore, Md. Optical instrument. 1,884,317; Oct. 25.
Newman, Fred R., St. Louis, Mo. Dehairing machine. 1,855,361; Apr. 26.
Newman, George W. (See Eldredge, F. R., Newman, and Phillips.)
Newman, Herman, Garwood, Idaho. Saw gauge. 1,861,508; June 7.
Newman, I., & Sons, Inc. (See Kispert, Joseph J., assignor.)
Newman, James M. (See Elkins, Arthur B., assignor.)
Newman, James V., Waco, Tex. Display case. 1,844,332; Feb. 9.
Newman, John G., Darlinghurst, New South Wales, Australia. Manufacture of matches. 1,850,468; Mar. 22.
Newman, John M. (See Harwood, P. B., and Newman.)
Newman, Mildred C., administratrix. (See Eldredge, F. R., Newman, and Phillips.)
Newman, Philip S., Los Angeles, Calif. Toothbrush. 1,840,246; Jan. 5.
Newman, Samuel P., assignor to Landis Machine Company, Waynesboro, Pa. Cutter and cutter holder for taps. 1,874,586; Aug. 30.
Newman, Thomas J., Canton, Ohio. Electric switch. 1,887,420; Nov. 8.
Newman, Thomas J., Canton, Ohio. Testing device. 1,887,421; Nov. 8.
Newman, W. J. Company. (See Gault, John J., assignor.)
Newman, William J., Chicago, Ill. Drilling apparatus. 1,848,192; Mar. 8.
Newmann, John, Brooklyn, N. Y. Crank connection for radial motors. 1,871,729; Aug. 16.
Newmark, H. J., et al. (See Kryzanowsky, Constant J.)
New Martinsville Glass Mfg. Co. (See Clarke, Ira M., assignor.)
Newnier, Joseph, Stratford, Wis. Cooler. 1,884,138; Oct. 25.
Newnam, William E., Collinsville, Ill., assignor to National Lead Company, St. Louis, Mo. Bag house. 1,886,215; Nov. 1.
Newnam, William E., and J. McCallum, Collinsville, Ill., assignors to National Lead Company, New York, N. Y. White lead pigment and making same. 1,847,358; Mar. 1.
Newport Industries, Inc. (See Gubelmann, I., and Henke, assignors.)
Newport Industries, Inc. (See Gubelmann, I., Henke, and Lee, assignors.)
Newport Industries, Inc. (See Henke, Clyde O., assignor.)
Newport Industries, Inc. (See Henke, C. O., and Etzel, assignors.)
Newport Industries, Inc. (See McCune, Samuel W., jr., assignor.)
Newport Industries, Incorporated. (See Oliver, A. F., and Palmer, assignors.)
Newport Industries, Inc. (See Palmer, R. C., and Oliver, assignors.)
Newport Industries, Inc. (See Van Romaine, E., Weiland, Powers, and Palmer, assignors.)
Newport, John L. (See Marshall, F. C., and Newport.)
Newport News Shipbuilding and Dry Dock Company. (See Grant, William F., assignor.)
Newport News Shipbuilding and Dry Dock Company. (See Terry, Roger V., assignor.)
New Process Metals Corporation. (See Miller, Henry, assignor.)
Newschaffer, Rudolph, Jackson Heights, N. Y. Timing mechanism for internal-combustion engines. 1,861,545; June 7.
Newspaper Boys of America, Incorporated. (See Knepper, Charles E., assignor.)
Newspaper Stuffing Machine Company, The. (See Halvorsen, Severin, assignor.)
News Projection Corporation. (See Eitzen, August D., assignor.)
News Projection Corporation. (See Proctor, Barton A., assignor.)
New Standard Corporation. (See Rollman, Michael A., assignor.)
New State Ice Company. (See Leiper, Hugh N., assignor.)
News Syndicate Co. Inc. (See Barnhart, John W., assignor.)
Newton, Albert E., assignor to Premier Electric Heaters Limited, Birmingham, England. Electrically heated utensil. 1,879,426; Sept. 27.
Newton, Carl D. (See Long, Millard E., assignor.)
Newton, Caven L., et al. (See Bolt, Ernest A., assignor.)
Newton, Earl W., Evanston, Ill. Tumbler or similar article. Des. 86,626; Mar. 29.
Newton, Earl W., Evanston, Ill. Bowl or similar article. Des. 86,627; Mar. 29.
Newton, Earl W., Evanston, Ill. Goblet or similar article. Des. 86,628; Mar. 29.
Newton, Earle R. (See Curtis, C. G., and Newton.)
Newton, Edwin B., Akron, Ohio, assignor to American Anode, Inc., New York, N. Y. Purifying aqueous dispersions. 1,862,061; June 7.
Newton, Edwin H., assignor to National Paper Box Co., Kansas City, Mo. Display carton. 1,853,219; Apr. 12.
Newton, Frank E., Hartford, Conn. Screw shaving and slotting machine. 1,877,632; Sept. 13.
Newton, Geoffrey. (See Smith, C. P., and Newton.)
Newton, George W., assignor to Jewell Bros. Products Company, Chicago, Ill. Display stand or similar article. Des. 86,041; Jan. 19.
Newton, Harry W., Milwaukee, Wis., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Bowl classifier. 1,881,875; Oct. 11.
Newton, John M., Sioux Falls, S. Dak. Storage battery holder. 1,873,460; Aug. 23.
Newton, Ralph L., Kansas City, Mo. Automatic pumping mechanism. 1,862,195; June 7.
Newton, Robert C., Needham Heights, and S. O. Dodge, Medford, assignors to Guaranteed Parts, Inc., Allston, Mass. Electric heater mechanism for looms. 1,862,762; June 14.
Newton, Robert I., assignor to Southwestern Shore Company, Shore, 1,849,377; Mar. 15.
Newton, Roy C., assignor to Swift and Company, Chicago, Ill. Neutralizing fatty-acids in oils and fats. 1,885,281; Nov. 1.
Newton, Roy C., and W. D. Richardson, assignors to Swift & Company, Chicago, Ill. Stabilizing fats and oils. 1,890,585; Dec. 13.
Newton Steel Company, The. (See Fenton, Ray M., assignor.)
Newton, Thomas H., and S. Polinsky, assignors to Deflance Button Machine Company, New York, N. Y. Tufting button or the like. 1,845,762; Feb. 16.
Newton, William J. (See Wesley, J. J., and Newton.)
New York Air Brake Company, The. (See Baldwin, Wayne A., assignor.)
New York Air Brake Company, The. (See Bickel, Henry F., assignor.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Air Brake Company, The. (See Cartin, James D., assignor.)
New York Air Brake Company, The. (See Hyanes, Bert, assignor.)
New York Air Brake Company, The. (See Safford, L. A., and Tyler, assignors.)
New York Air Brake Company, The. (See Sudduth, Henry N., assignor.)
New York Blower Company. (See Mathis, Eugene, assignor.)
New York Brick Handling Corporation. (See Fuller, C. E. assignor, and Wallace.)
New-York Hamburger & Gummi-Waren Compagnie, The. (See Desenis, M., and Nielsen, assignors.)
New York Rubber Corporation. (See Anderson, Axel V., assignor.)
Ney, Adolphe H., New York, N. Y., deceased; Edna M. Ney, executrix. Flotation of ores. 1,847,664; Mar. 1.
Ney, Edna M., executrix. (See Ney, Adolphe H., assignor.)
Ney Manufacturing Company, The. (See Hibbs, E. G., and Miller, assignors.)
Neyer, Huzo. (See Mayer, Rene, assignor.)
Niagara Blower Company. (See Bulkeley, Claude A., assignor.)
Niagara Electro Chemical Company, The. (See Baum, Gustav, assignor.)
Niagara Falls Smelting and Refining Corporation. (See Ellis, George, assignor.)
Niagara Falls Smelting & Refining Corporation. (See Murray, Christopher W., assignor.)
Niagara Lithograph Company. (See Taylor, John A., assignor.)
Niagara Machine & Tool Works. (See Hahnemann, Paul R., assignor.)

Niagara Machine and Tool Works. (See Lindgren, Bror J., assignor.)

Niagara Smelting Corporation. (See Muggleton, G. D., Brallier, Van Calder, and Webber, assignors.)

Niagara Sprayer and Chemical Co. (See Helenbolt, George S., assignor.)

Niagara Sprayer & Chemical Co. Inc. (See Evans, Charles H., assignor.)

Niagara Sprayer Company. (See Knapp, E., and Allgrunn, assignors.)

Niagara Sprayer Company. (See Tower, M. L., Dye, and McDonough, assignors.)

Nibbe, Gruhrel W., Elbow Lake, Minn. Vehicle. 1,840,599 ; Jan. 12.

Nibbe, George W., assignor to Inland Steel Company, Chicago, Ill. Tie plate. 1,853,166 ; Apr. 12.

Nibbs, Ernest, New London, assignor to Electric Boat Company, Groton, Conn. Disconnecting gear. 1,881,876 ; Oct. 11.

Nice Ball Bearing Company. (See English, John M., assignor.)

Nicenger, William N., Hellwood, Pa. Miner's firing cable reel. 1,844,673 ; Feb. 9.

Nichol, Corrington A. (See Wolfe, H. M., and Nichol.)

Nichol Manufacturing Company. (See Nichol, Orr T., assignor.)

Nichol, Orr T., Omaha, Nebr., assignor to Nichol Manufacturing Company. Tractor guide. 1,849,123 ; Jan. 5.

Nichol, Orr T., assignor to Nichol Manufacturing Company, Omaha, Nebr. Wheel cleaner for tractors. 1,861,437 ; June 7.

Nicholas, Charles E., Los Angeles, Calif. Electric switch. 1,892,073 ; Dec. 27.

Nicholas, Charles W., assignor to Union Metal Products Company, Chicago, Ill. Diaphragm buffer mechanism. 1,885,469 ; Nov. 1.

Nicholas, Eldridge H., New Haven, Conn. Folding stool. 1,846,607 ; Feb. 23.

Nicholas, George, assignor to Rhinelander Paper Company, Rhinelander, Wis. Paper machine. 1,865,270 ; June 28.

Nicholas, Grant S., jr. (See Boyer, Frederick G. L., assignor.)

Nicholas, James S., Akron, Ohio. Game board or similar article. Des. 86,178 ; Feb. 9.

Nicholas, Matthew, A. Koller, C. Ledel, and C. Hussey, Pasadena, Calif. Protective device for banks. 1,873,217 ; Aug. 27.

Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container support. 1,857,161 ; May 10.

Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container closure. 1,884,313 ; Oct. 25.

Nicholls, William H., Old Westbury, N. Y. Molding machine. 1,855,409 ; Apr. 26.

Nichols, Arthur W. H., Waltham, Mass. Grinding machine. 1,872,041 ; Aug. 16.

Nichols, Charles A., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for removing cores from core molds. 1,869,161 ; July 26.

Nichols, Charles R., et al. (See Nichols, Ralph M., assignor.)

Nichols, Charles R., Dallas, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Determining angle and direction of dip of geological formations. 1,891,628 ; Dec. 27.

Nichols, Charles R., and S. H. Williston, Dallas, Tex. Electrical prospecting. 1,841,376 ; Jan. 19.

Nichols, Charles R., and S. H. Williston, Dallas, Tex. Electrical prospecting. 1,841,975 : Jan. 19.

Nichols, Charles R. and S. H. Williston, Dallas, Tex. Electrical prospecting. 1,841,976 ; Jan. 19.

Nichols, Charles R., New York, N. Y., and S. H. Williston, New Haven, Conn. Electrical prospecting. 1,842,361 ; Jan. 19.

Nichols, Charles R., and S. H. Williston, Dallas, Tex. Electrical prospecting. 1,842,362 ; Jan. 19.

Nichols, Charles R., and S. H. Williston, Dallas, Tex. Electrical prospecting. 1,863,542 ; June 14.

Nichols Copper Company. (See Drapeau, Joseph E., jr., assignor.)

Nichols Copper Company. (See Lucas, James H., assignor.)

Nichols Engineering and Research Corporation. (See Baird, D., and Connolly, assignors.)

Nichols Engineering and Research Corporation. (See Brockway, George G., assignor.)

Nichols Engineering and Research Corporation. (See Fowler, Edward J., assignor.)

Nichols Engineering and Research Corporation. (See Hartley, Henry J., assignor.)

Nichols Engineering and Research Corporation. (See Hartley, H. J., and Baird, assignors.)

Nichols Engineering and Research Corporation. (See Hartley, H. J., Schilling, and Connolly, assignors.)

Nichols, Erwin H., San Antonio, Tex., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Back pack. 1,882,086 ; Oct. 11.

Nichols, Frank T. (See Nichols, Henry C., P. E., and F. T.)

Nichols, George B. (See Gardiner, N. E., and Nichols.)

Nichols, George E., assignor, by direct and mesne assignments, to The Wonder Shidder Company, Inc., Abbeville, Ala. Hauling device. 1,859,711 ; May 24.

Nichols, Harold E. (See Gautier, T. R., and Nichols.)

Nichols, Harold J., jr., and C. R. Wise, Roselle, N. J., assignors to Standard Oil Development Company. Regenerating solutions used in the purification of hydrocarbon gas. 1,869,435 ; Aug. 2.

Nichols, Harry J., Washington, D. C. Filler for projectiles. 1,848,193 : Mar. 8.

Nichols, Henry C., P. E., and F. T., Chickasha, Okla. Tire carrier. 1,881,222 ; Oct. 4.

Nichols, Henry C., P. E., and F. T., Chickasha, Okla. Tire carrier. 1,881,223 ; Oct. 4.

Nichols, Henry G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Outdoor switch box. 1,872,225 ; Aug. 16.

Nichols, Henry J., jr., and P. E. Kuhl, Roselle, N. J., assignor to Standard Oil Development Company. Apparatus for absorbing gas. 1,869,611 ; Aug. 2.

Nichols, Horace E., assignor to Clinical Development Laboratories, Inc., Detroit, Mich. Interference eliminator for electrocardiographic. 1,888,139 : Nov. 15.

Nichols, James A., Windsor, Ontario, Canada, assignor to The Harmony Company, Chicago, Ill. Musical instrument. 1,852,053 ; Apr. 5.

Nichols, James C., Elgin, Ill. Heater assembly. 1,843,295 : Feb. 2.

Nichols, John M., assignor to B. & N. Ring Manufacturing Company, St. Louis, Mo. Two-part piston ring. 1,878,171 ; Sept. 20.

Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformer or the like. 1,860,511 : May 31.

Nichols, Louis C., Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Temperature indicator. 1,862,763 ; June 14.

Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bushing assembly for transformers and the like. 1,873,978 ; Aug. 30.

Nichols, Malcolm P. (See Recker, A. C., and Nichols.)

Nichols, Malcolm P., trustee. (See Phillips, Ross M. G., assignor.)

Nichols, Percy E. (See Nichols, Henry C., P. E., and F. T.)

Nichols, Ralph M., assignor of one-half to C. R. Nichols and one-half to S. H. Williston, Dallas, Tex. Electrical prospecting. 1,841,977 ; Jan. 19.

Nichols, Thomas W., London, England. Rotary pump. 1,864,458 : June 21.

Nichols, William H. (See Nichols, Arthur A., and W. H.)

Nicholson, Albert H. and V., Columbus, Ohio. Plate or similar article of glassware. Des. 86,927 ; May 10.

Nicholson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Sound reproduction. 1,851,208 ; Mar. 29.

Nicholson, Alexander M., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Electrical oscillation generator. 1,864,368 ; June 21.

Nicholson, Carl M., Reading, and Ed. Anderson, Briarcliffe, assignors to Master Rule Mfg. Co., Inc., New York, N. Y. Hook rule. 1,882,865 ; Oct. 18.

Nicholson, Earle J., Syracuse, N. Y. Brake. 1,841,294 ; Jan. 12.

Nicholson, Frank H. (See Allison, L. R., and Nicholson.)

Nicholson, Frank H. (See Thompson, H. A., and Nicholson.)

Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train control system. 1,882,097 ; Oct. 11.

Nicholson, Frank H., Edgewood, and H. G. Blosser, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Contact device. 1,861,641 ; June 7.

Nicholson, Frank H., and H. A. Thompson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Signaling system. 1,864,367 ; June 21.

Nicholson, Fred A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Trimmer saw. 1,848,794 : Mar. 8.

Nicholson, George E., assignor to Vending Machine Corporation of America, Tulsa, Okla. Coin controlled locking means. 1,860,295 ; May 24.

Nicholson, Niels C., Seattle, Wash., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Can filling machine. 1,891,830 ; Dec. 20.

Nicholson, Robert C., Oroville, Calif. Watchcase back or analogous article. Des. 86,801 ; Apr. 19.

Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Windshield regulator. 1,845,539 ; Mar. 8.

Nicholson, Stanley W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Window regulator. 1,884,139 ; Oct. 25.

Nicholson, Vernon. (See Nicholson, Albert H. and V.)

Nickel, Casper C., et al. (See Hollinger, William M., assignor.)

Nickel, Gottfried, Long Beach, assignor of one-half to S. J. Ditzmann, Los Angeles, Calif. Sanitary container. 1,887,481 ; Nov. 8.

Nickels, William W., assignor of one-fourth to P. H. Moore, and one-fourth to W. G. Carter, Bristol, Va. Vehicle body. 1,849,732 ; Mar. 15.

Nickels, William W. assignor of one-half to W. A. Disbner, Bristol, Va. Automobile attachment. 1,859,787 ; May 24.

Nickelsen, John M., Ann Arbor, assignor to Monroe Auto Equipment Company, Monroe, Mich. Connecter for shock absorbers. 1,845,095; Feb. 16.
Nickelsen, John M., assignor to Monroe Auto Equipment Company, Monroe, Mich. Manufacturing connecters. 1,881,877; Oct. 11.
Nickerson, Effie O., Indianapolis, Ind. Making and packaging ice cream dough. 1,873,716; Aug. 23.
Nickerson, Franklin P., assignor to The W. S. Tyler Company, Cleveland, Ohio. Method of and apparatus for distributing materials. 1,882,044; Oct. 18.
Nickerson George W., Cotuit, Mass. Puller. Re18,701; Dec. 20.
Nickerson, George W., Cotuit, Mass. Puller. 1,877,684; Sept. 13.
Nickerson, Hugh N., Cleveland, Ohio. Making masking devices. 1,843,432; Feb. 2.
Nickerson, William E., assignor to Gillette Safety Razor Company, Boston, Mass. Blade sharpening machine. 1,876,314; Sept. 6.
Nickerson, William H., jr., Newton, Mass. License plate holder for motor vehicles. 1,886,352; Nov. 1.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Resistor. 1,847,888; Mar. 1.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator. 1,870,064; Aug. 2.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. 1,884,140; Oct. 25.
Nickles, Clair A., Ponca City, Okla. Bearing babbitting device. 1,889,999; Dec. 6.
Nickles, Ernest J., Ponca City, Okla., and C. A. Rasmussen, Long Beach, Calif. Apparatus for cutting pipe in a well. 1,848,540; Mar. 8.
Nicklos, John C. (See Griswold, E. H., and Nicklos.)
Nicks, W. H., and E. E. Mosher, Refugio, Tex. Blowout preventer attachment. 1,891,685; Dec. 20.
Nicks, Joe H., and E. E. Mosher, Corpus Christi, Tex. Blowout preventer attachment. 1,891,686; Dec. 20.
Nicodemo, Felix, assignor to Indestructible Alloy Company, Inc., New York, N. Y. Noncorrosive metal and article made therefrom. 1,859,749; May 24.
Nicodemus, Otto. (See Ernst, O., and Nicodemus.)
Nicodemus, Otto, Hochst-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing organic bases. 1,882,518; Oct. 11.
Nicodemus, Otto, and W. Schmidt, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing secondary and tertiary basic amines from primary aliphatic bases. 1,857,655; May 10.
Nicolai, Charles A. (See Ferguson, J. E., and Nicolai.)
Nicolai, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of phosphoric acid esters of aliphatic alcohols. 1,844,408; Feb. 9.
Nicolai, Fritz, Ludwigshafen-on-the-Rhine, and C. Schoenburg, and G. V. Der Bruck, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of phosphoric esters. 1,869,768; Aug. 2.
Nicolazzo, Mario, et al. (See Foti, Charles, assignor.)
Nicolazzo, Paolino, et al. (See Foti, Charles, assignor.)
Nicolet, Nicholas E., New York, N. Y. Scoring device. 1,851,751; May 31.
Nicolich, Giuseppe, assignor of fifteen per cent to F. Hamilton and of five per cent to B. Cutti, New York, N. Y. Exhaust silencer for internal combustion engines. 1,885,062; Oct. 25.
Nicoline, Costanzo, Chewelah, assignor of one-fourth to M. Brice, Spokane, Wash. Device for dispensing measured quantities of powdered material. 1,844,200; Feb. 9.
Nicols, William L., Tuscumbia, Ala. Preformed step. 1,861,751; June 7.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Scanning system for television. Re18,372; Mar. 1.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Alternating current television. 1,539,696; Jan. 5.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Cathode for thermionic devices. 1,840,789; Jan. 12.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Stress responsive. 1,849,490; Mar. 15.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Binaural public address system. 1,852,624; Apr. 5.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. System and apparatus for the electrical production of images. 1,863,278; June 14.
Nicolson, Alexander M., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Multiple piezo-electric transformer. 1,863,345; June 14.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. High frequency synchroscope. 1,864,753; June 28.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Stereovision. 1,866,169; July 5.
Nicolson, Alexander M., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Production of oscillations from piezo electric crystals. 1,866,267; July 5.
Nicosia, David A., and H. Sippel, Chicago, Ill. Push rod system for tuning radio circuits. 1,850,846; Mar. 22.
Nicosia, David A., and H. Sippel, Chicago, Ill. Radio circuit and apparatus. 1,865,036; June 28.
Nicralumin Company, The. (See Hybinette, Noak V., assignor.)
Niddy, Ralph E., Greentown, Ohio. Safety device for airplane pilots. 1,881,878; Oct. 11.
Niedergesass, Berthold F., Lynn, Mass., assignor to General Electric Company. Producing clear vitreous silica. 1,869,163; July 26.
Niederreither, Hans, Munich, assignor to Lawaczeck Gesellschaft mit beschrankter Haftung, Berlin, Germany. Decomposer, particularly for the electrolysis of water under pressure. 1,865,946; July 5.
Niegmann, George F., Hartford, Wash., assignor to Lima Locomotive Works, Incorporated, New York, N. Y. Locomotive. 1,870,019; Aug. 2.
Niehaus, Richard, New York, N. Y. Feeder. 1,843,459; Feb. 2.
Niejadlik, John, Glendale, N. Y. Window sash lock. 1,852,213; Apr. 5.
Nielsen, Andreas. (See Deseniss, M., and Nielsen.)
Nielsen, Bertram, Seattle, Wash. Milk and cream can cover. 1,867,677; July 12.
Nielsen, Christian, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Hammer mill. 1,869,129; Nov. 30.
Nielsen, Emanuel, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Brush construction. 1,844,915; Feb. 9.
Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Pneumatic cleaner. 1,847,696; Mar. 1.
Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Motor speed regulator. 1,871,274; Aug. 9.
Nielsen, Hans B., assignor to T. A. Edison, Incorporated, West Orange, N. J. Damping device. 1,855,585; Apr. 26.
Nielsen, Harald, Bromley, and B. Laing, of Petty, France, Westminster, England. Distillation of carbonaceous materials. 1,886,262; Nov. 1.
Nielsen, Harald, Muswell Hill, and B. Laing, Matfield, England. Distilling solid carbonizable material. 1,886,350; Nov. 1.
Nielsen, Heinrich V., Cardiff, Wales, assignor, by direct and mesne assignments, to The Hygiene Manufactures and Supplies Company, Limited, London County, England. Machine for filling bottles and other vessels. 1,878,445; Sept. 20.
Nielsen, Helga, Jamaica, N. Y. Dish drier and heater. 1,847,256; Mar. 1.
Nielsen, Herman, Frederiksberg by Copenhagen, Denmark. Mechanical hammer. 1,852,668; Apr. 5.
Nielsen, Herman C., Howard City, assignor to National Wood Products Company, Detroit, Mich. Mastic composition. 1,841,667; Jan. 19.
Nielsen, Herman C., Memphis, Tenn., assignor to National Wood Products Company, Detroit, Mich. Mastic and composition for impregnating wood. 1,886,716; Nov. 8.
Nielsen, Jack, St. Paul, Nebr. Direction signalling device. 1,854,620; Apr. 19.
Nielsen, Jens B. (See Craig, C. J., and Nielsen.)
Nielsen, Jens P. (See Richer, Joseph R., assignor.)
Nielson, Jens P., et al., trustees. (See Richer, Joseph R., assignor.)
Nielsen, Jens P. T., Lake Benton, Minn. Method of and machine for causing fecundation of plants. 1,866,219; July 5.
Nielsen, Kai C. (See Jepsen, H. J., and Nielsen.)
Nielsen, Karl K., assignor to Alcor Manufacturing Company, Chicago, Ill. Sanding sander. Re18,536; July 19.
Nielsen, Niels, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Conversion of pulverous material into a nodulized state. 1,892,074; Dec. 27.
Nielsen, Niels P., Custer Township, Whatcom County, Wash. Hen-house dropping-board cleaner. 1,879,818; Sept. 27.
Nielsen, Otto H., Chicago, Ill. Golf ball washer. 1,889,809; Dec. 6.
Nielson, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Suction cleaner and attachment therefor. 1,882,441; Oct. 11.
Nieman, Albert, Franklin, Ohio. Snow scraper. 1,841,133; Jan. 12.
Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Friction clutch. 1,856,125; May 3.
Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Tension controlling device. 1,875,111; Aug. 30.
Niemann, Simon. (See Gramsa, Joseph G., assignor.)
Niemann, Frederick A., and K. F. Ziehm, assignors to Felt & Tarrant Mfg. Co., Chicago, Ill. Device for distribution of accounts. 1,884,814; Oct. 25.
Niemann, Georg. (See Schmidt, O., and Niemann.)
Niemann, Georg. (See Schmidt, O., Niemann, and Meyer.)
Niemann, Jesse L., Columbus, Ohio. Electrode electric welding device. 1,860,262; May 24.
Niemann, William F., Los Angeles, Calif. Pipe cleaning machine. 1,849,201; Mar. 15.

Niemi, Matti, Seattle, Wash. Aeroplane launching device. 1,861,934; June 7.
Nier, Ernst R., Beierfeld in Sachsen, Germany. Target-practice apparatus. 1,848,795; Mar. 8.
Nigg, Vera L., Merrill, Iowa. Folding crib. 1,855,307; Apr. 26.
Nightingale, Harry, Union City, N. J., assignor to Todd Drydock Engineering & Repair Corporation, New York, N. Y. Liquid fuel burner and variable supply means therefor. 1,873,781; Aug. 23.
Nightingale, Harry, Union City, and H. Meachem, Teaneck, N. J., assignors to Todd Drydock Engineering & Repair Corporation, New York, N. Y. Delay action valve. 1,874,793; Aug. 30.
Nigra, Ferdinand, Los Angeles, Calif. Screw extractor. 1,875,484; Sept. 6.
Nigro, Angelo C. (See Nigro, Michel and A. C.)
Nigro, Michel, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Spring-winding machine. 1,857,860; May 10.
Nigro, Michel, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Attachment for machines for coiling metal. 1,863,064; June 14.
Nigro, Michel, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Spring cutting and hooking machine. 1,873,626; Aug. 23.
Nigro, Michel, and A. C. Nigro, assignors to Sleeper & Hartley, Inc., Worcester, Mass. Wire knotting machine. 1,873,461; Aug. 23.
Nijland, Johannes Hendrik, Zeist, Netherlands. Automatic electric switching device. 1,840,969; Jan. 12.
Nikinow, John P., New York, N. Y. Liquid level indicator. 1,859,861; May 24.
Nikitin, Alexander A., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of latex. 1,859,175; Oct. 4.
Nikonow, John P., New York, N. Y. Tail lamp. 1,847,134; Mar. 1.
Nils, Nickolas J., Chillicothe, Ohio. Paper press. 1,844,294; Feb. 9.
Niles, Eliot W., Bloomfield, N. J., and W. H. Edwards, Bayside, N. Y., assignors to American Telephone and Telegraph Company. Frequency converter. 1,871,904; Aug. 16.
Niles, Harold F. (See Niles, Louis W., and H. F.)
Niles, Louis W., Oak Park, and H. F. Niles, River Forest, Ill. Oil draining valve. 1,891,287; Dec. 20.
Niles Steel Products Company, The. (See Thomas, Wayne B., assignor.)
Nill, Edward A., assignor to The Panoleum Company, Cleveland, Ohio. Abrasive composition. 1,844,175; Feb. 9.
Nill, Edward A., assignor, by mesne assignments, of twenty five per cent to W. Strack, thirty-three and one third per cent to C. Strack, and fifty per cent, one-third to The H. A. Montgomery Company, Detroit, Mich. Lubricating composition. 1,853,571; Apr. 12.
Nilson, Eric, and Sven Malm, Milwaukee, and E. O. Holmberg, Wauwatosa, assignors to A. O. Smith Corporation, Milwaukee, Wis. Flash welding machine. 1,872,793; Aug. 23.
Nilson, Everett C., Worcester, Mass., assignor of forty per cent to R. G. Nilson, San Francisco, Calif., and twenty per cent to C. Nilson, Worcester, Mass. Acoustic diaphragm. 1,859,629; May 24.
Nilson, Lars G., Hoboken, N. J. Fluid dynamometer. 1,854,952; Apr. 19.
Nilson, Leonard D., Wayzata, Minn. Lifting jack. 1,880,150; Sept. 27.
Nilson, Leonard D., assignor to Tronic-Aire, Incorporated, Minneapolis, Minn. Temperature indicator. 1,879,428; Sept. 27.
Nilson, Nils. (See Nilson, Everett C., assignor.)
Nilson, Ralph G. (See Nilson, Everett C., assignor.)
Nilsson, Anton L. V., Tularosa, N. Mex. Plastic-forming composition. 1,841,547; Jan. 19.
Nilsson, August A., Sodertalje, Sweden. Carburetor. 1,847,571; Mar. 1.
Nilsson, August L., Sodertalje, Sweden. Carburetor. 1,878,641; Sept. 20.
Nilsson, Johan A., assignor to Svenska Bindaernsfabrikens Aktiebolag, Malmo, Sweden. Twine-holder for self-binding harvesters. 1,858,378; July 19.
Nilsson, John G. (See Tryon, H. R., and Nilsson.)
Nilsson, Nils E., Asnabruk, Sweden. Liquid filtering apparatus. 1,863,992; June 21.
Nilsson, Nils E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electrical signaling and operating circuit. 1,886,216; Nov. 1.
Nilsson, Oscar F., and J. Reichach, assignors to L. E. Waterman Company, New York, N. Y. Device for facilitating the filling of fountain pens. 1,853,316; Apr. 12.
Nimick, Francis B., Coraopolis, assignor to Colonial Steel Company, Pittsburgh, Pa. Making ground rods. 1,891,943; Dec. 27.
Nimmo, Walter R. (See Brownsdon, H. W., and Nimmo.)
Nimmo, Walter R. (See Brownsdon, H. W., Nimmo, and Pollitt.)
Nineteen Hundred Corporation. (See Behan, Thomas W., assignor.)
Nipper, Ira S. (See Eccleston, R. C., and Nippes.)
Nips Patent Corporation. (See Henderson, Edward E., assignor.)
Nisbet, George B. (See Shanafelt, D. M., Nisbet, and Shonkwiler.)
Nishihara, Harukichi, Waimanalo, Oahu, Hawaii. Automobile brake. 1,881,288; Oct. 4.
Nissen, Jerry N., Seattle, Wash. Automatic flow control and measuring weir. 1,854,858; Apr. 19.
Nissen, Peter N., Hoddesdon, England. Roof for portable buildings. 1,861,062; May 31.
Nitardy, Ferdinand W., Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y. Bottle. Des. 86,629; Mar. 29.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Bottle. Des. 87,401; July 19.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Protection of autoxidizable materials. 1,879,762; Sept. 27.
Nitardy, Ferdinand W., Brooklyn, N. Y., W. G. Christiansen, Bloomfield, and K. Van Winkle, Passaic, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Manufacture of ether. 1,855,255; Apr. 26.
Nitardy, Ferdinand W., Brooklyn, N. Y., W. G. Christiansen, Glen Ridge, N. J., and S. E. Harris, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Halogenated dihydroxy diphenyl. 1,892,000; Dec. 27.
Nitrate Agency Signal Co. (See Jergen, W. V., and Shute, assignors.)
Nitesco, Marcel, Vienna, Austria, assignor to J. Lagarrigue, Paris, France. Heating apparatus with heat-storage body. 1,887,779; Nov. 15.
Nittel, Frederick W., assignor to M. S. Co., Attleboro, Mass. Connecter for bracelets. 1,860,315; May 24.
Nitzschke, Oswin. (See Noack, E., and Nitzschke.)
Nitzschke, Oswin, Leverkusen-on-the-Rhine, E. Noack, Wiesdorf-on-the-Rhine, and L. Schlecht, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of hydrogen peroxide. 1,847,492; Mar. 1.
Niven, Alfred. (See Murphy, E. A., and Niven.)
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve actuator. 1,844,101; Feb. 9.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,859,922; Apr. 12.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Cooling oil. 1,855,308; Apr. 26.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,874,336; Aug. 30.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,874,337; Aug. 30.
Niven, Archie M., Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Rocker box housing. 1,874,338; Aug. 30.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Means for cooling oil. 1,874,587; Aug. 30.
Niver, Raymond W. (See Nagle, C., and Niver.)
Nixon, Charles H., Detroit, Mich. Insect trap. 1,888,563; Nov. 22.
Nixon, Clarence R., assignor to The Baltimore Bottle Machine Company, Baltimore, Md. Machine and method of blowing glass bottles and the like. 1,850,470; Mar. 22.
Nixon, Clifton W. (See Larsen, L. H., and Nixon.)
Nixon, Jeddy D. (See Bowman, A. M., Graham, and Nixon.)
Nixon, Jeddy D. (See Carroll, Monroe W., assignor.)
Nixon, Jeddy D. (See Nixon, W. L., and Nixon.)
Nixon, Jeddy D., Houston, Tex. Pump valve mechanism. 1,873,782; Aug. 23.
Nixon, Jeddy D., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Packing anchor. 1,822,230; Oct. 11.
Nixon, Jeddy D., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Draw works. 1,848,432; Mar. 8.
Nixon, Jeddy D., assignor to American Engineering Corporation, Houston, Tex. Casing head and blow out preventer. 1,857,101; May 3.
Nixon, Moses C., Chicago, Ill. Propeller apparatus. 1,857,392; May 10.
Nixon Nitration Works. (See Nixon, Stanhope W., assignor.)
Nixon, Stanhope W., Pheonix, Ariz., assignor to Nixon Nitration Works, Nixon, N. J. Golf tee. Des. 86,262; Feb. 16.
Noack, Erich. (See Nitzschke, O., Noack, and Schlecht.)
Noack, Erich, Leverkusen-Wiesdorf-on-the-Rhine, and Friedrich Schubert, Cologne-Deutz-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Calcium boride. 1,858,413; May 17.
Noack, Erich, Wiesdorf-on-the-Rhine, and O. Nitzschke, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Execution of gas reactions. 1,890,793; Dec. 13.
Noack, Walter G., Baden, Switzerland. Steam generator. 1,890,468; Dec. 13.
Nobbe, Morris O., assignor to Krementz & Company, Newark, N. J. Collar fastener. 1,851,559; Mar. 29.
Nobbe, William E. (See Fraser, F., and Nobbe.)

Nobbe, William E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,841,548; Jan. 19.

Nobbs, George H., Watertown, Mass. Power tractor unit. 1,850,022; Sept. 27.

Noble, Alphonso, Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Duplex thermometer unit. 1,841,906; Jan. 19.

Noble, Aubrey E., Lynbrook, assignor to Claude Neon Lights, Inc., New York, N. Y. Inserting materials in envelopes. 1,877,714; Sept. 13.

Noble, Aubrey E., Lynbrook, assignor to Claude Neon Lights, Inc., New York, N. Y. Capsule. 1,877,726; Sept. 13.

Noble, Bert, San Diego, assignor to Roads Construction Company, Ltd., Los Angeles, Calif. Road paving machine. 1,840,970; Jan. 12.

Noble, Bert, San Diego, assignor to Roads Construction Company, Ltd., Los Angeles, Calif. Leveling device for hoppers. 1,848,351; Mar. 8.

Noble, Edward C., Houston, Tex. Coupling. 1,880,356; Oct. 4.

Noble, Ernest E., Sunderland, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle for steam and water drums. 1,878,172; Sept. 20.

Noble, Ernest E., Fulwell, Sunderland, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,881,879; Oct. 11.

Noble, F. H., & Company. (See Shields, John M., assignor.)

Noble & Harris. (See Harris, Henry H., assignor.)

Noble, Harry B. (See Osborne, Guy E., assignor.)

Noble, James G., New York, N. Y. Fastening device. 1,861,354; May 31.

Noble, Minnie E., Berkeley, Calif. Bather's sandal. Des. 85,305; Jan. 5.

Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Pitcher or similar article. Des. 86,802; Apr. 19.

Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar or similar article. Des. 86,928; May 10.

Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar or similar article. Des. 87,161; June 14.

Noble, Robert E. (See Iversen L., and Noble.)

Noble, Ronald B., Spokane, Wash. Windshield cleaner. 1,854,758; Apr. 19.

Noble, Warren, Detroit, Mich. Thermostat. 1,850,241; Mar. 22.

Noble, Warren, Detroit, Mich. Hydraulic valve actuating mechanism. 1,879,765; Sept. 13.

Noble, Warren, Detroit, Mich. Internal combustion engine. 1,880,270; Oct. 4.

Noble, Warren, Detroit, Mich. Coupling. 1,887,876; Nov. 15.

Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Range. 1,881,102; Oct. 11.

Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Heating element. 1,881,881; Oct. 11.

Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Electric control. 1,881,882; Oct. 11.

Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Wall plug and receptacle. 1,881,883; Oct. 11.

Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Thermostatic motor. 1,881,884; Oct. 11.

Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Brazing. 1,884,141; Oct. 25.

Noble, Warren, and C. J. Welcome, assignors to Electromaster, Inc., Detroit, Mich. Chromium plating process. 1,881,885; Oct. 11.

Noble, William H., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Magnetically operated compressor regulator. 1,881,092; Oct. 4.

Noblitt, Quirin G., and E. C. Booth, assignors to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Mounting for automobile heaters. 1,870,378; Aug. 9.

Noblitt, Quirin G., and E. C. Booth, assignors to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Adjustable deflector for automobile heaters. 1,872,794; Aug. 23.

Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)

Noblitt-Sparks Industries, Inc. (See Noblitt, Q. G., and Booth, assignors.)

Nobs, Jakob, Thun, Switzerland. Machine for sharpening mowing machine cutters. 1,886,717; Nov. 8.

Nobst, Georg, Mittweida, Germany. Jacquard apparatus for textile machines with movable implements for forming loops. 1,851,863; Mar. 29.

Nobst, Georg, and E. Ulbricht, Mittweida, Germany, assignors, by mesne assignments, to Scott & Williams Incorporated, New York, N. Y. Pattern forming mechanism for circular knitting machines. 1,852,256; Apr. 5.

Noburn Products Inc. (See Williams, Jacques E. B., assignor.)

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or article of analogous nature. Des. 86,787; Apr. 12.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or article of analogous nature. Des. 86,929; May 10.

Nocken, Theodor. (See Neelmeier, W., and Nocken.)

Nodine, Frank E., Meadville, Pa. Separable fastener and making same. 1,890,335; Dec. 6.

Nodine, Frank E., Meadville, Pa. Locking means. 1,890,336; Dec. 6.

No-Drip Company. (See Pipkin, James A., assignor.)

Noe, Harold C., East Orange, N. J., assignor to William R. Noe & Sons, Brooklyn, N. Y. Lamp shade. Des. 87,126; June 7.

Noe, William R., & Sons. (See Noe, Harold C., assignor.)

Noel, Henry M. (See Howard F. A., Lewis, and Noel.)

Noel, Joseph M., Cresson, Pa. Button spacer. 1,850,806; Mar. 22.

Noel, Phillip J., Bowling Green, Ky. Pistol holster. 1,887,789; Nov. 15.

Noel, Phillip Jordan, Bowling Green, Ky. Attachment for pistol holsters. 1,886,718; Nov. 8.

Noell, Elmer F., and E. E. Uhlel, assignors to The Printing Machinery Company, Cincinnati, Ohio. Printer's registering device. 1,851,288; Mar. 29.

Noell, Harry C., Weeping Water, Nebr. Wire stretcher. 1,869,113; July 26.

Noelting, William H. (See Brokaw, E. A., and Noelting.)

Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Self-lubricated caster socket and stem. 1,875,112; Aug. 30.

Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Heavy duty caster. 1,884,142; Oct. 25.

Noelting, William H., and E. A. Brokaw, assignors to Faultless Caster Company, Evansville, Ind. Brake caster. 1,863,349; June 14.

Noelting, William H., and W. M. Van Dusen, assignors to Faultless Caster Company, Evansville, Ind. Adjustable adapter frame for casters. 1,875,113; Aug. 30.

Noelting, William H., and W. M. Van Dusen, assignors to Faultless Caster Company, Evansville, Ind. Adjustable adapter for casters. 1,879,429; Sept. 27.

Noetzel, Gustav A., Waukesha, assignor to Essential Products Co., Milwaukee, Wis. Card table tray. 1,872,491; Aug. 16.

Noetzli, Fred A., Los Angeles, Calif. Dam. 1,852,431; Apr. 5.

Noetzli, Fred A., Los Angeles, Calif. Dam construction. 1,860,589; May 31.

Noetzli, Fred A., Los Angeles, Calif. Constructing dams. 1,860,590; May 31.

Noetzli, Fred A., Los Angeles County, Calif. Dam and method of constructing the same. 1,879,430; Sept. 27.

Noetzli, Fred A., Los Angeles County, Calif. Dam and constructing the same. 1,885,470; Nov. 1.

Noetzli, Fred A., Los Angeles, Calif., assignor to Ambursen Construction Company, Incorporated, New York, N. Y. Buttress type dam. 1,863,205; June 14.

Noffs, Fred W., Bellwood, Ill. Switch. 1,847,097; Mar. 1.

Noffs, Fred W., Bellwood, Ill. Electric lantern. 1,892,075; Dec. 27.

Noffsinger, Fred P., Greeley, Colo. Picking table. 1,877,522; Sept. 13.

Noffsinger, Fred P. and R. L., Greeley, Colo. Land leveler. 1,845,324; Feb. 16.

Noffsinger, Ralph L. (See Noffsinger, Fred P. and R. L.)

Nohavec, Fred R. (See Garner, H. H., Nohavec, and Hopkins.)

Nohl, Walter H., et al. (See Trettin, Louis F., assignor.)

Nohr, Allen, assignor of one-half to J. P. Ellis, Milwaukee, Wis. Steelliter. 1,884,627; Aug. 23.

Noisworthy, Frederick E., assignor of one-half to A. T. Marshall, Wyatt, Mo. Cotton cleaning machine. 1,884,815; Oct. 25.

Nolan, Dorothy M., Los Angeles, Calif. Novelty toy. Des. 87,168; June 14.

Nolan, Harold O., New York, N. Y., assignor of one-half to C. Ellis, Montclair, N. J. Tawing, dehydrating, and astringent products. 1,891,440; Dec. 20.

Nolan, Joseph A., Fort Pierce, Fla. Fish lure. 1,886,116; Nov. 1.

Nolan, Rudolph Z., Godfrey, Ill. Bale-tying mechanism. 1,889,372; Nov. 29.

Nolan, Stephen J., Mount Vernon, N. Y. Weatherstrip for Windows or doors. 1,883,815; Oct. 18.

Nolde and Horst Company, The. (See Gosch, William H., assignor.)

Nolde and Horst Company, The. (See Gosch, W. H., and Sherman, assignors.)

Nolet, Hendrik, assignor to Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Apparatus for treating cheeses with liquids. 1,870,922; Aug. 9.

Noll, Joseph C., assignor, by mesne assignments, to George R. Blakeslee, Cicero, Ill. Slicing machine. 1,873,903; Aug. 23.

Nöllenburg, Wilhelm, assignor of Malmedie & Co. Maschinenfabrik Aktien-gesellschaft, Dusseldorf, Germany. Machine for making indented taper pins. 1,858,414; May 17.

Noller, Carl R., assignor to Eastman Kodak Company, Rochester, N. Y. Making cellulose acetate with vaporized acetylating agents. 1,880,466; Oct. 4.

Nollesche Werke Kommandit Gesellschaft. (See Wollny, Karl, assignor.)

Nolte, Albert C. (See Schwab, Gustav, assignor.)

Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Combined fluid and electrical coupling for electric discharge devices. 1,888,833; Nov. 22.

Nolte, Karl, Dortmund, Germany. Sheet piling. 1,841,199; Jan. 12.

Nolte, Karl, Dortmund, Germany. Sheet piling. 1,841,759; Jan. 19.

Nolte, Karl, Dortmund, Germany. Joint for connecting sheet piling members. 1,851,864; Mar. 29.

Nolte, Karl, Dortmund, Germany. Sheet piling. 1,855,113; Apr. 19.

Noltein, George F., assignor to Superior Engine Company, Inc., Kendall, Ohio. Fuel pump. 1,850,083; Mar. 22.

Noma Electric Corporation. (See Block, Joseph, assignor.)

Noma Electric Corporation. (See Manson, Leon B., assignor.)

Noma Electric Corporation of New York. (See Lampl, Alfred, assignor.)

Noms, Peter A., Brooklyn, N. Y., assignor to The Permutit Company, New York, N. Y. Differential pressure gauge. 1,874,205; Aug. 30.

Nonnast, Hermann, Chicago, Ill. Combined cabinet and table. Des. 74,402; July 19.

Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Diestock. 1,852,186; Apr. 5.

Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Pipe threading machine. 1,859,882; May 24.

Nonnenbruch, Otto, Philadelphia, Pa., assignor to I. P. Norris & De La Vergne, Incorporated. Cylinder construction. 1,885,755; Nov. 1.

Non-Run Fabric and Machine Co. (See Graenz, Alfred, assignor.)

Noonan, George W., New York, N. Y. Folding table. 1,849,760; Mar. 15.

Noonan, John J., assignor to W. J. Fitzmaurice, St. Louis, Mo. Egg timing device. 1,876,072; Sept. 6.

Noonan, Thomas F., assignor to The Lattimer-Stevens Company, Columbus, Ohio. Bar meter connection. 1,860,293; May 24.

Noonan, Thomas F., assignor to Fred H. Rix, Chicago, Ill. Lock. 1,890,744; Dec. 13.

Norberg, Ernest L., San Francisco, Calif. Lavatory. 1,849,760; Mar. 15.

Norberg, Peter, Bernard Harbour, North West Territories, Canada. Seal trap. 1,848,541; Mar. 8.

Norbom, Ragnar S. (See Elliott, J. H., and Norbom.)

Norbury, Arthur S., Windsor, Ontario, Canada. Toy gun. 1,858,716; May 17.

Norcross, Thomas. (See Willshaw, H., and Norcross.)

Nord, John F. (See Karlström, F. J. R., and Nord.)

Nord, Swan E., and R. M. Millu, Seattle, Wash., assignors to Standard Oil Company of California, San Francisco, Calif. Liquid dispenser. Des. 68,918; Dec. 27.

Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Safety hoist brake. 1,841,449; Jan. 19.

Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Diesel engine. 1,857,256; May 10.

Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Engine governor. 1,864,850; June 28.

Nordberg Manufacturing Company. (See Butler, Robert S., assignor.)

Nordberg Manufacturing Company. (See Nordberg, Bruno V. E., assignor.)

Nordberg Manufacturing Company. (See Ruegg, Clement, assignor.)

Nordberg Manufacturing Company. (See Symons, Edgar D., assignor.)

Nordberg Manufacturing Company. (See Talboys, Henry H., assignor.)

Nordberg Manufacturing Company. (See Wintzer, Rudolf, assignor.)

Nordberg Manufacturing Company. (See Zoerb, H. M., and Buettner, assignors.)

Nordby, Birger, Oslo, Norway. Divan, sleeping chair, and the like. 1,852,669; Apr. 5.

Norddeutsche Tapetenfabrik Holscher & Breimer. (See Libert, Marcel, assignor.)

Nordell, Carl H., Chicago, Ill. Foldable curtain. 1,877,950; Sept. 20.

Nordenfelt, Lennart, Hofo-s, Sweden. Manufacture of hollow metal bars. 1,847,019; Feb. 23.

Norddeutsche Affinerie. (See Schopper, Walter, assignor.)

Nordhem, Eric. (See Alsaker, A., and Nordhem.)

Nordhem, Eric, assignor to The Delta-Star Electric Company, Chicago, Ill. Switch lock. 1,864,548; June 28.

Nordhem, Eric N., Chicago, Ill. High tension cut-out and the like. 1,857,227; May 10.

Nordhem, Eric N., Chicago, Ill. High tension cut-out and the like. 1,871,194; Aug. 9.

Nordhem, Eric N., Chicago, Ill. High tension cut-outs and the like. 1,877,574; Sept. 13.

Nordhem, Eric N., Chicago, Ill. High tension cut-out and the like. 1,889,213; Nov. 29.

Nordhem, Wiking B., Chicago, Ill. Vacuum cleaner. 1,839,582; Jan. 5.

Nordholt, John B. (See Sprink, I. W., and Nordholt.)

Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Stable selenium sulphide and its preparation. 1,860,154; May 24.

Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Chemical product. 1,860,320; May 24.

Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Stable selenium sulphide and its preparation. 1,860,336; May 24.

Nordmarken, Alfred G., Minneapolis, Minn., assignor to Hide-Away Screen Company. Window screen. 1,841,549; Jan. 19.

Nordmarken, Alfred G., Minneapolis, Minn. Window screen. 1,859,883; May 24.

Nordmeyer, Philip H., Glasgow, Mo. Animal trap. 1,852,473; Apr. 5.

Nordskog, Severin B. (See Northey, F. L., and Nordskog.)

Nordstrom, Gustaf E., and J. E. Millett, assignors to American Fibre Corporation, Gardner, Mass. Machine for making fiber reed. 1,862,387; June 7.

Nordstrom, Gustav E., assignor to American Fibre Corporation, Gardner, Mass. Reed loom. 1,868,717; July 26.

Nordstrom, Gustaf E., assignor to American Fibre Corporation, Gardner, Mass. Reed loom. 1,891,944; Dec. 27.

Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Wrench. 1,853,556; Apr. 26.

Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,863,380; June 14.

Nordstrom, Sven J., Piedmont, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,857,861; May 10.

Nordt, Charles E., W. J. Ahlquist and I. M. Emery, assignors to The Massillon Steel Casting Company, Massillon, Ohio. Apparatus for molding helical castings. 1,858,106; May 3.

Nordvall, Christina, Birch River, Manitoba, Canada. Garment hanger. 1,886,298; Nov. 1.

Noreck Co. (See Bergner, Charles C., assignor.)

Norgaard, Hal W., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Apparatus for filling containers with fruit and vegetables. 1,860,720; May 31.

Norge Corporation. (See Blood, Howard E., assignor.)

Norge Corporation. (See Blood, H. E., and Nelson, assignors.)

Norge Corporation. (See Hubacker, Earl F., assignor.)

Norge Corporation. (See Kohler, William, assignor.)

Norgren, Carl A., Denver, Colo. Valve. 1,877,528; Sept. 13.

Norley, Harry C., North Bay, assignor to Canadian Atlas Steels Limited, Welland, Ontario, Canada. Drill. 1,863,802; June 21.

Norley, Harry C., North Bay, assignor to Canadian Atlas Steels Limited, Welland, Ontario, Canada. Drill. 1,867,950; July 19.

Norley, Harry C., North Bay, Ontario, assignor to Canadian Atlas Steels Limited, Welland, Ontario, Canada. Drill. 1,870,135; Aug. 2.

Norling, John H., Torsaker, Sweden. Fire extinguisher for benzine tanks and the like. 1,843,882; Feb. 2.

Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Valve construction for pneumatic tools. 1,881,886; Oct. 11.

Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Drill steel retainer. 1,888,685; Nov. 22.

Norlipp Company, The. (See Ayotte, Joseph R., assignor.)

Norlipp Company of Chicago, The. (See Gauthier, A. L., Jr., and Mattocks, assignors.)

Norma-Hoffmann Bearings Corporation. (See Bott, George R., assignor.)

Norma-Hoffmann Bearings Corporation. (See Mitchell, Orville, assignor.)

Norma-Hoffmann Bearings Corporation. (See Smith, Charles H., assignor.)

Norman, Albert T., East Millinocket, assignor to Great Northern Paper Company, Millinocket, Me. Cleaning apparatus for the rolls of papermaking machines. 1,889,838; Dec. 6.

Norman, Carl A., Columbus, Ohio. Electromechanical wheel drive. 1,849,407; Jan. 12.

Norman, Edward R. (See Day, William W., assignor.)

Norman-Hoffman Bearings Corporation. (See Bott, George R., assignor.)

Norman, Joseph H. (See Kingston, T. H., and Norman.)

Norman, Otto D., Parkersburg, W. Va. Lubrication cooler for gas engines. 1,891,006; Dec. 13.

Norman, Seawell C., Goldsboro, N. C. Automatic veneer table. 1,891,687; Dec. 20.

Normandy, Willard D., Detroit, Mich., assignor to Lederer Manufacturing Company. Spreader and hanger for wardrobe bags. 1,886,574; Nov. 8.

Normann, Lars, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for removing material from articles. 1,881,887; Oct. 11.

Norotn, Ralph H. (See MacChesney, C. M., Norton, and Ott.)

Norquist, Glenn H. (See Norquist, Ralph A., and G. H.)

Norquist, Ralph A., and G. H. Norquist, Jamestown, N. Y. Window screen. 1,885,756; Nov. 1.

Norquist, Victor C., assignor, by mesne assignments, to Butler Aircraft Corporation, Kansas City, Mo. Aeroplane wing. 1,855,768; Apr. 26.
Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Closure for tank apertures. 1,854,538; July 5.
Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Tube punching apparatus. 1,854,143; Oct. 25.
Norquist, Victor C., assignor to Butler Manufactruing Company, Kansas City, Mo. Welding clamp for use in manufacturing welded tanks. 1,854,144; Oct. 25.
Norring, Howard D., Minneapolis, Minn. Doorstop plate. 1,852,854; Apr. 5.
Norris, Alfred E., assignor of thirty-five per cent to H. E. Clark, Seattle, Wash. Shoe heel. 1,854,057; Apr. 12.
Norris, Alfred E., Westfield, assignor to The Regina Corporation, Rahway, N. J. Floor machine. 1,877,951; Sept. 20.
Norris, Charles M., Holly, Colo. Exposure signal for camera shutters. 1,856,469; Dec. 22.
Norris, David W., Pasadena, Calif. Furnace. Des. 88,716; Dec. 20.
Norris, Eric D. T., Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Lightning or surge absorber. 1,887,461; Nov. 8.
Norris, George E., Columbus, Ohio. Vending machine. 1,853,097; Jan. 5.
Norris, Gerald C. (See Stevens, R. H., Norris, and Watson.)
Norris, Harry B., assignor to Detroit Lubricator Company, Detroit, Mich. Grease cup. 1,862,978; June 14.
Norris, James F. (See Jenkins, R. L., and Norris.)
Norris, Kenneth T., Los Angeles, Calif. Automobile license certificate holder. 1,850,471; Mar. 22.
Norris, Louise, Kansas City, Mo. Dyeing eyebrows and eyelashes. 1,888,883; Nov. 22.
Norris, Ralph L., Fort Wayne, Ind., assignor to General Electrical Company. Centrifugal switch. 1,844,674; Feb. 9.
Norris, William G., Seattle, Wash. Protective covering for safes. 1,843,619; Feb. 2.
Norristown Magnesia & Asbestos Company. (See Jenkins, Thomas, assignor.)
North Bro's M'fg Co. (See Fegley, T. J., and Leopold, assignor.)
North, Charles E., Montclair, N. J., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Heating milk. 1,872,795; Aug. 23.
North, Charles H., San Francisco, Calif. Vacuum switch. 1,859,598; May 24.
North, Clayton O., and W. Scott Nitro, W. Va., assignors to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber. 1,856,319; May 3.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Lock. 1,861,579; June 7.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Sliding door lock. 1,873,462; Aug. 23.
North, George H., La Crosse, Kans., assignor to Bear Manufacturing Company, Rock Island, Ill. Shim. 1,841,843; Jan. 19.
North, Harold D., Cleveland, Ohio. Motion picture screen. 1,891,607; Dec. 20.
North, Roy I., Hoosick Falls, N. Y. Ash or cigarette receptacle. 1,868,023; July 19.
North, Russell B., O. Hough, and R. R. Miller, assignors to William Mitchell Blair, Chicago, Ill. Hydraulic digger and loader. 1,863,696; June 21.
Northam Warren Corporation. (See Brekke, Marshall T., assignor.)
Northam Warren Corporation. (See Marshburn, Preston W., assignor.)
Northam Warren Corporation. (See Marshburn, P. W., and Brekke, assignors.)
North American Car Corporation. (See Brigham, Edmund D. jr., assignor.)
North American Car Corporation. (See Edgerton, Israel V., assignor.)
North American Chemical Company. (See Avery, Alfred H., assignor.)
North American Chemical Company. (See Thoma, Andrew, assignor.)
North American Lace Company. (See Adaire, William R., assignor.)
North American Lace Company. (See Boysen, George D., assignor.)
North American Manufacturing Company, The. (See Brown, R., and Nash, assignors.)
North American Manufacturing Company, The. (See Nash, G. F., and Brown, assignors.)
North American Service Company. (See Brumbaugh, Denford A., assignor.)
Northampton Textile Company. (See Leonhardt, Edna F., assignor.)
North Carolina Finishing Co., Inc. (See Robertson, Julian, assignor.)
North Carolina Granite Corporation, The. (See Martin, William S., assignor.)
North City Trust Company. (See Riley, George J., assignor.)
Northcott, John T., et al. (See Hyde, R. C., Northcott, and Erickson.)
Northcutt, Robert T., Cranford, N. J., assignor to General Packing Corporation, Cranford, N. J. Article of manufacture and preparing a syrup carrying pectin in suspension. 1,847,356; Mar. 1.
North East Appliance Corporation. (See Sullivan, Raymond H., assignor.)
Northern Conveyor & Mfg. Co. (See Whitnall, George R., assignor.)
Northern Engraving Company. (See Wittenberg, Edward H., assignor.)
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Northern Implement Manufacturing Company. (See Arenson, Nels, assignor.)
Northern Laboratories, Inc. (See Chatain, Henri G., assignor.)
Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)
Northern Studios, Inc., The. (See Schilling, Louis, assignor.)
Northey, Fred L., and S. B. Nordskog, Waterloo, Iowa. Refrigerator. Des. 87,937; Oct. 11.
Northey, John P. and R. V., Toronto, Ontario, Canada. Rail clip. 1,864,665; June 28.
Northey, Rodney V. (See Northey, John P. and R. V.)
Northey, Rodney V., Toronto, Ontario, Canada. Sound producing device. 1,844,226; Feb. 9.
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Northrop Aircraft Corporation. (See Northrop, John K., assignor.)
Northrop Aircraft Corporation. (See Northrop, J. K., and Clark, assignors.)
Northrop, Burdette K. (See Gray, D., and Northrop.)
Northrop, James Lee, Santa Ana, Calif. Machine for shredding date fruit. 1,859,458; May 24.
Northrop, John K., Glendale, assignor to Northrop Aircraft Corporation, Los Angeles, Calif. Airfoil. 1,877,022; Sept. 13.
Northrop, John K., Glendale, assignor to Northrop Aircraft Corporation, Los Angeles, Calif. Constructing airfoils. 1,877,023; Sept. 13.
Northrop, John K., Glendale, and O. B. Clark, Burbank, Calif., assignors to Northrop Aircraft Corporation, Los Angeles, Calif. Instrument board. 1,877,021; Sept. 13.
Northrup, Edwin F., near Princeton, N. J. Electric condenser. 1,878,173; Sept. 20.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,839,801; Jan. 5.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,839,802; Jan. 5.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,840,247; Jan. 5.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Inductor furnace for parallel operation. 1,849,099; Mar. 15.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Inductor type furnace. 1,852,315; Apr. 5.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Inductor type furnace. 1,852,316; Apr. 5.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Heater for crucible stock. 1,862,120; June 7.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Apparatus for interrupting alternating power circuits. 1,877,575; Sept. 13.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Inductor type furnace. 1,878,532; Sept. 20.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Induction electric furnace. 1,879,431; Sept. 27.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,881,888; Oct. 11.
Northrup, Elmer C., San Francisco, Calif. Box machine. 1,844,333; Feb. 9.
North Shore Coke & Chemical Company. (See Patton, Walter D., assignor.)
Northup, Amos E., Detroit, Mich., assignor to Reo Motor Car Company. Hood, radiator, and fender assemblage for automobiles. Des. 86,930; May 10.
Northup, Amos E., Detroit, Mich., assignor to The Murray Corporation of America. Rear sides and back panel formed with integral apron. 1,854,714; Apr. 19.
Northup, Amos E., Pleasant Ridge, Mich., assignor to Reo Motor Car Company. Radiator. Des. 86,931; May 10.
Northup, Franz S., Oakland, Calif. Animal trap. 1,851,371; Mar. 29.
Northup, George A., Poughkeepsie, N. Y. Label holder. 1,854,908; Apr. 19.
Northup, Maxwell C. (See McChesney, G. W., and Northup.)
Northup, Shirley A., Schenectady, N. Y. Ash tray. Des. 85,989; Jan. 12.
Northwest Engineering Corporation. (See Burke, Paul, assignor.)
Northwest Engineering Corporation. (See Holloway, John H., assignor.)

Northwest Engineering Corporation. (See Orloff, Arthur, assignor.)
Northwest Paper Company. (See Gortner, R. A., and Hoffman, assignors.)
Northwest Paper Company, The. (See Hoffman, W. F., and Gortner, assignors.)
Northwestern Barb Wire Company. (See Dillon, Paul W., assignor.)
Northwestern Metalware Company. (See Brandt, Henry E., assignor.)
Norton, Albert C., assignor to California Corrugated Culvert Co., Berkeley, Calif. 1,854,420; Apr. 19.
Norton, Albert C., assignor to California Corrugated Culvert Co., Berkeley, Calif. Flume. 1,878,289; Sept. 20.
Norton, Allen B., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, trustee. Piston. 1,853,450; Apr. 12.
Norton, Allen B., Cleveland, Ohio, assignor to Aluminum Company of America. Semipermanent mold and making the same. 1,871,422; Aug. 9.
Norton, Allen B., assignor, by mesne assignments, to Cleveland Trust Company, Cleveland, Ohio, as trustee. Piston. 1,891,441; Dec. 20.
Norton, Charles D., assignor to Hanley Company, Bradford, Pa. Car transfer device. 1,877,193; Sept. 13.
Norton, Charles L., Boston, Mass. Structural material. 1,871,780; Aug. 16.
Norton, Charles L., Boston, Mass. Concrete. 1,891,269; Dec. 20.
Norton, Charles L., Boston, Mass. Coloration of concrete articles. 1,891,479; Dec. 20.
Norton, Clifford. (See Graham, J. M., and Norton.)
Norton, Clifford, South Orange, N. J., assignor, by mesne assignments, to Otis Elevator Company. Door operator. 1,871,338; Aug. 9.
Norton, Clifford, South Orange, N. J., assignor, by mesne assignments, to Otis Elevator Company. Electric door mechanism. 1,871,433; Aug. 9.
Norton, Clifford, South Orange, N. J., assignor, by mesne assignments, to Otis Elevator Company. Pneumatic door operating mechanism. 1,887,212; Nov. 8.
Norton Company. (See Beidcn, A. G., and Whittles, assignors.)
Norton Company. (See Cole, Raymond A., assignor.)
Norton Company. (See Fraser, Warren F., assignor.)
Norton Company. (See Greenwood, Wallace W., assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton Company. (See Jeppson, G. N., and Larsson, assignors.)
Norton Company. (See Larsson, Thure, assignor.)
Norton Company. (See Player, S., and Indge, assignors.)
Norton Company. (See Silven, Herbert A., assignor.)
Norton Company. (See Smith, George H., assignor.)
Norton, Francis J., assignor to The Solvay Process Company, Syracuse, N. Y. Analytical method and apparatus therefor. 1,874,339; Aug. 30.
Norton, Sir James Farmer, & Company Limited. (See Norton, William J., assignor.)
Norton, John B. (See Weidler, Wicher, assignor.)
Norton, John S., assignor of one-third to W. F. Hollingsworth, San Francisco, Calif. Welder's hood. 1,839,803; Jan. 5.
Norton, John S., San Francisco, Calif. Welder's hood. 1,854,272; Apr. 19.
Norton, John S., assignor of one-half to W. F. Hollingsworth, San Francisco, Calif. Adjustable fastener. 1,868,718; July 26.
Norton, John S., assignor of one-half to W. F. Hollingsworth, San Francisco, Calif. Welder's hood. 1,877,024; Sept. 13.
Norton Laboratories, Inc. (See Rathbun, Merrill, assignor.)
Norton Lasier Company. (See Norton, Lewis C., assignor.)
Norton, Lewis C., assignor to Norton Lasier Company, Chicago, Ill. Holding device. 1,842,913; Jan. 26.
Norton, Lewis C., assignor to Norton Lasier Company, Chicago, Ill. Door closing and checking device. 1,886,897; Nov. 8.
Norton, Mary E., Corona, N. Y. Catamenial appliance. 1,866,220; July 5.
Norton, Mildred F. W., administratrix. (See Norton, William T.)
Norton, Ralph H. (See MacChesney, C. M., and Norton.)
Norton, Ralph H., assignor to Acme Steel Company, Chicago, Ill. Guiding means for rolling mills. 1,839,251; Jan. 5.
Norton, Ralph H., assignor to Acme Steel Company, Chicago, Ill. Rolling metal sheets and strips. 1,839,332; Jan. 5.
Norton, Ralph H., Chicago, and W. C. Fork, Homewood, assignors to Acme Steel Company, Chicago, Ill. Method of and apparatus for the rolling of metal strips and sheets. 1,839,333; Jan. 5.
Norton, Ralph H., Chicago, and W. C. Fork, Homewood, assignors to Acme Steel Company, Chicago, Ill. Folding device for rolling mills. 1,839,334; Jan. 5.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Automotive part. 1,843,620; Feb. 2.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Airplane part. 1,843,621; Feb. 2.
Norton, Raymond J., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Capacitor. 1,845,922; Feb. 2.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,845,940; Feb. 16.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake structure. 1,850,963; Mar. 22.
Norton, Raymond J., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydrobrake. 1,862,419; June 7.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,869,419; July 5.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake drum. 1,869,420; July 5.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake operator. 1,866,481; July 5.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake structure. 1,872,796; Aug. 23.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake part. 1,875,114; Aug. 30.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,875,645; Sept. 6.
Norton, Raymond J., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydroservo brake. 1,879,432; Sept. 27.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Friction facing. 1,879,433; Sept. 27.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake structure. 1,879,434; Sept. 27.
Norton, Raymond J., Washington, D. C., assignor to American Magnesium Metal Corporation, Pittsburgh, Pa. Light metal alloy. 1,880,467; Oct. 4.
Norton, Robert A. (See Seeger, A. O., and Norton.)
Norton, Samuel H., Meadville, Pa. Locking device for slide fasteners. 1,862,196; June 7.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Slide fastener. 1,842,045; Jan. 19.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Lock slider. 1,853,634; Apr. 12.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Fastener. 1,853,635; Apr. 12.
Norton, Samuel H., Meadville, Pa., assignor to The Hookless Fastener Company. Slide fastener. 1,867,580; July 19.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Rubber sealed fastener. 1,876,338; Sept. 6.
Norton, Sir James Farmer, & Company Limited. (See Bousbird, Arnold, assignor.)
Norton, Theodore, and M. E. Lange, Cleveland Heights, assignors to The Warner & Swasey Company, Cleveland, Ohio, Chuck. 1,847,307; Mar. 1.
Norton, William J., Salford, Manchester, assignor to Sir James Farmer Norton & Company Limited, Manchester, England. Dye jigger. 1,887,462; Nov. 8.
Norton, William T., deceased, Lakewood, Ohio.; M. F. W. Norton, administratrix. Vehicle. 1,845,678; Feb. 16.
Norum, Arnold, assignor of one-half to M. K. King, Seattle, Wash. Automatic clock. 1,852,474; Apr. 5.
Norviel Harry E., deceased, by Delco-Remy Corporation, Anderson, Ind., assignee. Ignition coil and lock switch. Re15,497; June 14.
Norviel, Harry E., deceased, by Delco-Remy Corporation, Anderson, Ind., assignee. Ignition apparatus. Re15,498; June 14.
Norviel, Harry E, Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Switch and coil unit. 1,844,788; Feb. 9.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,844,789; Feb. 9.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,853,075; Apr. 12.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,859,981; May 24.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Coincidental lock. 1,861,713; June 7.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Coincidental lock. 1,861,714; June 7.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,864,459; June 21.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch and coil unit. 1,864,460; June 21.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition device. 1,869,164; July 26.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,871,858; Aug. 16.

Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Coincidental lock. 1,871,905; Aug. 16.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,873,142; Aug. 23.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition device. 1,884,145; Oct. 25.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Electric switch. 1,884,147; Oct. 25.
Norviel, Harry E., Anderson, J. B. Dyer, Pendleton, Ind., and J. M. Kelly, Dayton, Ohio, assignors to Delco-Remy Corporation, Anderson, Ind. Voltage regulator. 1,844,790; Feb. 9.
Norviel, Harry E., and V. Ecoff, assignors to Delco-Remy Corporation, Anderson, Ind. Switch. 1,853,350; June 14.
Norviel, Harry E., and V. Ecoff, assignors to Delco-Remy Corporation, Anderson, Ind. Switch. 1,873,141; Aug. 23.
Norviel, Harry E., and W. E. Wikle, assignors to Delco-Remy Corporation, Anderson, Ind. Lighting switch. 1,884,146; Oct. 25.
Norviel, Harry E., and V. Ecoff, assignors to Delco-Remy Corporation, Anderson, Ind. Switch. 1,884,148; Oct. 25.
Norwalk Company. (See Parks, Albert F., assignor.)
Norwich Wire Works, Inc. (See Beardsley, Lester A., assignor.)
Norwich Wire Works, Inc. (See Greene, Holdridge G., assignor.)
Norwine, Andrew C. (See Björnson, B. G., Horton, and Norwine.)
Norwood, Ernest H., St. Petersburg, Fla. Refrigerator door. 1,850,514; Mar. 22.
Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,845,325; Feb. 16.
Norwood, Harry Y., West Rush, assignor to Taylor Instrument Companies, Rochester, N. Y. Recorder. 1,869,909; Aug. 2.
Norworth, Jack, New York, N. Y. Apparatus for scenic effect. 1,841,844; Jan. 19.
Nose, Toichi, Kamakura Machi, Kamakura Gun Kanagawa Ken, Japan. Accelerometer. 1,891,170; Dec. 13.
Noser, Charles P. (See Casey, H. T., and Noser.)
Noser, Emil V., St. Louis County, assignor, by mesne assignments, to Frank C. Webb, St. Louis, Mo. Transmission lock for motor vehicle. 1,881,889; Oct. 11.
No-Stud-Shirt & Collar Co. Limited. (See Packett, John A., assignor.)
Notarianni, Pasquale, Detroit, Mich. Wrench. 1,875,646; Sept. 6.
Nott, Frank S. (See Tillyer, E. D., Forshey, and Nott.)
Nourbourn, James W., administrator. (See Latham, Albert.)
Nourse, Rupert A. (See Schwartz, F. G., and Nourse.)
Nourse, Walter H., assignor to Electric Steel Foundry Company, Portland, Oreg. Cold shut for steel chains. 1,848,491; Mar. 8.
Nousl, Adam J., Superior, Wyo. Pan fastener for conveyer machinery. 1,877,025; Sept. 13.
Nowlain, Milton C., Bingham Canyon, Utah. Safety parachute for aeroplanes. 1,889,038; Nov. 29.
Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Composite friction block. 1,891,723; Dec. 20.
Novák, Josef, and R. Kesselring, Novy Bohumin, Czechoslovakia. Alloy. 1,876,467; Sept. 6.
Novak, Josef, and Roman Kesselring, Oderburg, Czechoslovakia. Prealloys. 1,890,548; Dec. 13.
Novaro, Augusto, Tacubaya, Mexico. Tuning apparatus. 1,840,207; Jan. 5.
Novelli, Vincenzo, Petersburg, Va. Instrument board. 1,848,377; Mar. 8.
Novick, Abraham. (See Young, M. S., and Novick.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Scoring mechanism for envelope machines and the like. 1,839,491; Jan. 5.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Scoring mechanism for use in envelope making machines. 1,839,492; Jan. 5.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Sheet feeding mechanism. 1,844,102; Feb. 9.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York N. Y. Gumming device. 1,848,138; Mar. 8.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Magazine for blank forming machinery. 1,852,722; Apr. 5.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 1,854,217; Apr. 19.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Side flap folding means for envelope machines. 1,855,842; Apr. 26.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Making window envelopes. 1,865,037; June 28.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Machine for forming perforated blanks. 1,865,947; July 5.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Folding mechanism. 1,886,832; Nov. 8.
Novick, Israel, Boston, Mass. Detachable serving stand for a chair. Des. 86,535; Mar. 15.
Novo Engine Company. (See Gillett, Glenn W., assignor.)
Novocol Chemical Mfg. Co. (See Goldberg, Samuel D., assignor.)
Novotney, Thomas A., assignor to National Radiator Corporation, Johnstown, Pa. Radiator. 1,850,601; Mar. 22.
Novotny, Emil E., Logan, assignor to J. S. Stokes, Spring Valley Farms, Pa. Synthetic resin and making the same. 1,849,109; Mar. 15.
Novotny, Emil E., and J. Romieux, Logan, assignors to J. S. Stokes, Huntingdon Valley, Pa. Synthetic resin and making same. 1,886,353; Nov. 1.
Novotny, John N., East Grand Forks, Minn. Vibrato stringed musical instrument. 1,888,140; Nov. 15.
Novotny, John W., Youngstown, Ohio. Cable splice. 1,839,698; Jan. 5.
Nowak, Alfred. (See Schneevoigt, A., and Nowak.)
Nowak, Alexander. (See Jackson, Clyde E., assignor.)
Nowak, John, Brooklyn, N. Y. Collapsible boat. 1,863,498; June 14.
Nowak, Karl Georg, Vienna, Austria. Eyeshade, goggles, and the like. 1,868,362; July 19.
Nowak, Walter H. (See Broman, C. E., and Nowak.)
Nowalk, Robert F., assignor to John Warren Watson Company, Philadelphia, Pa. Making friction equalizing materials. 1,845,056; Feb. 16.
Nowalk, Robert F., assignor to John Warren Watson Company, Philadelphia, Pa. Friction equalizing material and use thereof. 1,845,096; Feb. 16.
Nowell, Bailey, Venice, Calif. Center stock guide for printing presses. 1,869,708; Aug. 2.
Nowery, Elworth E. (See Schneider, G. B., and Nowery.)
Nowlin, Aubrey C., Beggs, assignor of four-tenths to A. C. Fleig, fourteen one-hundredths to J. G. Sales, Okmulgee County, Okla., and ten one-hundredth to Nathan B. Townsend. Nut opening and picking machine. 1,878,422; Sept. 20.
Nowlin, Aubrey C., Beggs, assignor of three-tenths to A. C. Fleig, Henryetta, and one-tenth to J. G. Sales, Okmulgee, Okla. Nut cracking machine. 1,878,423; Sept. 20.
Nown, William H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lubricating device for machines. 1,843,649; Feb. 2.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Electrical apparatus. 1,853,979; Apr. 12.
Noxon, Paul A. (See Fluharty, W. G., and Noxon.)
Noyes, Harry F., Chicago Heights, Ill., assignor to Victor Chemical Works. Handling phosphorous containing furnace gases. 1,875,755; Sept. 6.
Noyes, Mayhew E., Syracuse, N. Y. Adjustable window screen. 1,852,670; Apr. 5.
Noyes, Raymond E., Kansas City, Mo. Comb. 1,870,641; Aug. 9.
Nuber, Otto, Reutlingen, Germany. Manufacture of knit goods. 1,887,166; Nov. 8.
Nuberg, Matthys, assignor to American Seating Company, Grand Rapids, Mich. Chair back construction. 1,840,275; Jan. 5.
Nuckols, Claude C., Menands, assignor to Albany Corrugated Container Corp., Albany, N. Y. Display stand. 1,881,224; Oct. 4.
Nuebel, Gottlieb, Astoria, N. Y. Sink cabinet. 1,853,989; Apr. 12.
Nuebling, Emil L., Reading, Pa. Fire hydrant attachment. 1,885,372; Nov. 1.
Nugent, Christopher C., Winthrop, Mass. Combination wheel. 1,853,707; Apr. 12.
Nuhring, Charles, Cincinnati, Ohio. Hose reel. 1,890,823; Dec. 13.
Nulle Company. (See Marcus, D. A., and Ogier, assignors.)
Nukem Products Corporation. (See Neuhaus, Richard, assignor.)
Null, William W. (See Boland, J. E., and Vivian.)
Nullmeyer, Frank H., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Welding rod. 1,884,149; Oct. 25.
Numberg, John N., Lakewood, R. I. Harmonica device for playing two or more harmonicas. 1,884,150; Oct. 25.
Nunez, Frank M., San Francisco, Calif. Automatic door opener and closer. 1,868,149; July 19.
Nunnally Company, The. (See Clarke, Tresper, assignor.)
Nunnally, James C., Greer, S. C. Knock-off mechanism for slubbers and roving frames. 1,878,533; Sept. 20.
Nunnink, Bert H., Fort Wayne, Ind. Ice box candy rack. 1,865,582; July 5.
Nuss, Charles C., Washington, Pa. Automobile heating system. 1,883,726; June 21.
Nuss, George K. (See Ophuls, F., and Nuss.)
Nussbaum, Frank I. (See Jassen, B., and Nussbaum.)
Nusser, Eugene L., et al. (See Peter, Joseph, assignor.)
Nusser, Michael W., Detroit, Mich. Heel construction. 1,870,065; Aug. 2.
Nut Products Company, The. (See Cook, F. J., and Kelly, assignors.)
Nut Products Company, The. (See Kelly, William W., assignor.)
Nutt, Arthur, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Co., Inc. Lubrication system for inverted motors. 1,860,813; May 31.

Nutt, Arthur, Kenmore, and A. H. Leak, Hamburg, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Internal combustion engine. 1,860,814; May 31.

Nutt, Buell W., Lakewood, assignor to The Safety Equipment Service Company, Cleveland, Ohio. Combination protective goggles. 1,851,443; Mar. 29.

Nutt, Harry G., et al. (See Prizer, E. L. and J. A., assignors.)

Nutt, Willard, L. H. Kivett, and D. E. Scott, Graham, N. C. Device for regulating the draw-off motion on full fashioned hosiery knitting machines. 1,842,730 Jan. 26.

Nutt, William F., Newburgh, N. Y. Deodorant and cleansing powder. 1,865,945; July 5.

Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 1,849,247; Mar. 15.

Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of covered heels. 1,872,324; Aug. 16.

Nuttall, Thomas D., assignor to Bentley & Jackson Limited, Bury, England. Paper making machine. 1,859,338; May 24.

Nuttall, Tom, Farnsworth, near Bolton, and S. A. Shorter, Didsbury, said Shorter assignor to The British Cotton Industry Research Association, Manchester, England. Hopper bale opener, bopper feeder, and like apparatus for opening and cleaning cotton or like fibrous material. 1,856,287; May 3.

Nutter, Orda D., assignor to Acme Fishing Tool Company, Parkersburg, W. Va. Fishing tool. 1,839,493; Jan. 5.

Nutter, Orda D., assignor to Acme Fishing Tool Company, Parkersburg, W. Va. Fishing spear. 1,849,433; Mar. 15.

Nutter, William S., assignor to Goodall Worsted Company, Sanford, Me. Woven fabric. 1,845,721; Feb. 16.

Nutting, Howard S., and H. H. Rowley, assignors to The Dow Chemical Company, Midland, Mich. Decomposition of liquid hydrocarbons. 1,887,658; Nov. 15.

Nutting, Perley G. (See Adams, M. Howe, and Nutting.)

Nutting, Willard H., Oakland, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Container cover. 1,874,706; Aug. 30.

Nuzum, William J., Fairmont, W. Va. Adjustable curtain rod and shade window. 1,843,400; Feb. 2.

Nyberg, Filmore J., Julesburg, Colo. Switch box hanger. 1,852,286; Dec. 27.

Nyberg, Ingman. (See Gurton, W. S., Plint, and Nyberg.)

Nyberg, Olaf J. (See Wilkoff, A. E., and Nyberg.)

Nyberg, Olaf J., Youngstown, Ohio, assignor to Youngstown Steel Car Corporation. Producing pressed steel hatch frames. 1,816,316; Dec. 20.

Nyborg, Tage G., assignor of one-half to M. F. Higgins, Worcester, England. Conveyer. 1,843,042; Jan. 26.

Nyborg, Tage G., assignor of one-half to M. F. Higgins, Worcester, England. Belt conveyer. 1,850,891; Mar. 22.

Nyborg, Tage G., Worcester, assignor of one-half to M. F. Higgins, Worcester, Worchestershire, England. Shaker conveyer engine. 1,891,945; Dec. 27.

Nyborg, Tage G., and M. F. Higgins, Worcester, England. Belt drive. 1,877,194; Sept. 13.

Nycum, Homer C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,841,145; Jan. 12.

Nycum, Homer C., Wilkinsburg, and J. H. Ashbaugh, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,865,949; July 5.

Nycz, Louis, Binghamton, N. Y. Spring automobile tire. 1,848,867; Mar. 8.

Nydegger, Otto. (See Bettschart, Anton, and Nydegger.)

Nye, Alvin F., Rochester, assignor of one-half to William Keyel, Penfield, N. Y. Window screen reenforcement. 1,892,001; Dec. 27.

Nye, George F., Kearney, Nebr. Threshing machine. 1,884,151; Oct. 25.

Nye, George F., Kearney, Nebr. Centrifugal threshing and separating device. 1,884,152; Oct. 25.

Nye, George F., Kearney, Nebr. Centrifugal threshing and separating device. 1,884,153; Oct. 25.

Nye, Henry W., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. 1,859,839; May 24.

Nye, Odorless Incinerator Corporation. (See Abel, Harry E., assignor.)

Nye, Ralph D., Wheeling, W. Va., assignor, by mesne assignments, to Smith Engineering Works, Milwaukee, Wis. Crusher. 1,851,109; Mar. 29.

Nye, Ralph D., assignor to Wheeling Mold & Foundry Division of the Continental Roll & Steel Foundry Company, Wheeling, W. Va. Blooming mill manipulator. 1,851,920; Mar. 29.

Nye, Ralph D., assignor to Wheeling Mold & Foundry Division of the Continental Roll & Steel Foundry Company, Wheeling, W. Va. Manipulator for rolling mills. 1,851,921; Mar. 29.

Nye, Ralph D., assignor to Wheeling Mold & Foundry Division of the Continental Roll & Steel Foundry Company, Wheeling, W. Va. Manipulator for rolling mills. 1,857,063; May 3.

Nye, Ralph D., assignor to Wheeling Mold & Foundry Division of the Continental Roll & Steel Foundry Company, Wheeling, W. Va. Rolling mill. 1,880,468; Oct. 4.

Nye Tool & Machine Works. (See Lilleberg, Tideman M., assignor.)

Nygaard, Charles E., Philadelphia, Pa. Operation chart and indicator. 1,853,076; Apr. 12.

Nygaard, Oscar. (See Smith, A. E., and Nygaard.)

Nygaard, Oscar, Saugus, assignor to Berntz Furnace Appliance Company, Boston, Mass. Tuyère and supporting means therefor. 1,874,340; Aug. 30.

Nygard, Charles J., Elmhurst, N. Y. Spring device. 1,857,764; May 10.

Nyhagen, Barney R., New York, N. Y. Pocket billiard table. 1,854,273; Apr. 19.

Nyland, Edward R., assignor to General Motors Corporation, Detroit, Mich. Steering gear. 1,869,576; Aug. 2.

Nylund, John A., Portland, Oreg. Tapered feed roller. 1,875,257; Aug. 30.

Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Vacuum condenser. 1,842,797; Jan. 26.

Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,845,174; Feb. 16.

Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,850,271; Mar. 22.

Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Vacuum tube. 1,861,401; May 31.

Nyman, Alexander, East Orange, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y. Power factor controlling device. 1,845,173; Feb. 16.

Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Alternating current operated radio set. 1,850,270; Mar. 22.

Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Clamp for condensers. 1,861,024; May 31.

Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,865,640; July 5.

Nyman, Alexander, and G. V. Peck, assignors to Dubilier Condenser Corporation, New York, N. Y. Energizing filaments. 1,870,960; Aug. 9.

Nyman, Alexander, Dobbs Ferry, and W. Dubilier, New Rochelle, assignors to Dubilier Condenser Corporation, New York, N. Y. Condenser. 1,870,961; Aug. 9.

Nyrop, L. A. (See Bjornberg, Jan J. C., assignor.)

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Compensating for nonlinear distortion in transmission circuits. 1,858,307; May 17.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Compensating for nonlinear distortion in transmission circuits. 1,858,338; May 17.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Concentric shield for cables. 1,871,906; Aug. 16.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Constant current regulation. 1,887,599; Nov. 15.

Nystrom, Elmer E. (See Miller, Peter J. O., assignor.)

Nystrom, Gustaf H., Cleveland, Ohio. Automobile headlight lens. 1,842,878; Jan. 26.

Nystrom, Karl F., Milwaukee, Wis. Retainer valve fastening. 1,845,236; Feb. 16.

Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Sound reproducing device. 1,848,139; Mar. 8.

Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Needle receptacle. 1,854,759; Apr. 19.

Nystrom, Oscar P., and G. Jaarda, assignors to Holland Furnace Company, Holland, Mich. Furnace radiator. 1,869,709; Aug. 2.

O. K. Tool Company, The. (See Severson, Ole, assignor.)

O. K. Tool Company, The. (See Weddell, Ralph R., assignor.)

O. Y. Methods Ltd. (See Pyhälä, Evald, assignor.)

Oak, Lawrence C. (See Guldager, Walter E., assignor.)

Oak Rubber Company, The. (See Collette, Paul E., assignor.)

Oakden, Laurence N., Los Angeles, Calif. Detachable handle. 1,854,379; Apr. 19.

Oakes, Bernard F., Missoula, Mont. Football blocking dummy. 1,884,816; Oct. 25.

Oakes & Burger Co. (See Wolf, Frank F., assignor.)

Oakes, Charles W. (See Grojean, Per Lee B., assignor.)

Oakes, Lucian R., Tipton, Ind. Weed exterminator. 1,890,301; Dec. 6.

Oakes, Lucian R., assignor to The Oakes Manufacturing Company, Tipton, Ind. Poultry watering trough. 1,851,682; Mar. 29.

Oakes Manufacturing Company, The. (See Oakes, Lucian R., assignor.)

Oakes Manufacturing Co., The. (See Spencer, George A., assignor.)

Oakes Products Corporation. (See Ganz, William, assignor.)

Oakes Products Corporation. (See Hershey, Orville S., assignor.)
Oakes Products Corporation. (See Jandus, H. S., and Smith, assignors.)
Oakes Products Corporation. (See Jeffers, Clarence E., assignor.)
Oakes Products Corporation. (See Nehls, Charles H., assignor.)
Oakes Products Corporation. (See Root, Frank T., assignor.)
Oakes Products Corporation. (See Smith, Frederick A., assignor.)
Oakes Products Corporation. (See Van Sickel, Ernest J., assignor.)
Oakes, Robert H., Springfield, and J. R. Tindal, West Springfield, assignors to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,870,345; Aug. 9.
Oakite Products, Inc. (See Johnson, Le Baron B., assignor.)
Oakland Association of Credit Men. (See Strathaus, John, assignor.)
Oakland Foundry Company. (See Fickinger, Joseph, assignor.)
Oakley, Clifford H., assignor to Essex Rubber Company, Inc., Trenton, N. J. Composite rubber structure. 1,823,990; Apr. 12.
Oakley, Emily, Los Angeles, Calif. Rubber base for telephones and the like. 1,890,000; Dec. 6.
Oakley, John, assignor to Perkins Machine and Gear Company, Springfield, Mass. Rotary broaching machine.
Oakley, Laurence M., assignor to Essex Rubber Company, Inc., Trenton, N. J. Rubber sole for boots and shoes. 1,849,026; Mar. 8.
O'Bannon, Sterling A., Boise, Idaho. Selective card index. 1,876,961; Sept. 20.
Oaks, Albert J., South Fork, Pa., and W. E. Oaks, Steubenville, Ohio. Gate. 1,886,719; Nov. 8.
Oaks, Wallace E. (See Oaks, Albert J., and W. E.)
Oatley, Henry B., Great Neck, assignor to The Superheater Company, New York, N. Y. Baffling means for locomotive fire boxes. 1,881,225; Oct. 4.
O'Bannon, Walter A., Tulsa, Okla. Sucker rod fishing tool. 1,869,961; Aug. 2.
Obbard, Norman B., Sewickley, Pa. Tower. 1,859,152; May 17.
Obear-Nester Glass Company. (See Nester, William A., assignor.)
Obear-Nester Glass Company. (See Stuckey, Samuel G., assignor.)
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing acid phosphate. 1,865,383; June 28.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing mixed fertilizer. 1,867,866; July 19.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Preparing and ammoniating acid phosphate. 1,869,272; July 26.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing acid phosphate. 1,869,941; Aug. 2.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Production of phosphatic fertilizer. 1,871,195; Aug. 9.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing phosphatic fertilizers. 1,879,435; Sept. 27.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Ammoniation of phosphate fertilizers. 1,880,469; Oct. 4.
Ober, Beverly, and E. H. Wright, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Production of phosphatic fertilizer. 1,880,470; Oct. 4.
Oberdorfer, Henry D., assignor to Circle A Products Corporation, Newcastle, Ind. Bleacher construction. 1,873,115; Aug. 30.
Oberfell, George G. (See Frey, F. E., Guyer, and Oberfell.)
Oberfell, George G. (See Thomas, R. W., and Oberfell.)
Oberfell, George G., Bartlesville, Okla. Process and apparatus for storing and utilizing highly volatile liquids. 1,878,174; Sept. 20.
Oberfell, George G., and J. A. Guyer, assignors to Phillips Petroleum Company, Bartlesville, Okla. Pyrolytic conversion of normally gaseous aliphatic hydrocarbons. 1,847,257; Mar. 1.
Oberfell, George G., and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Process and apparatus for cracking hydrocarbon gases. 1,847,258; Mar. 1.
Oberfell, George G., J. A. Guyer, and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Pyrolytic conversion of normally gaseous aliphatic hydrocarbons. 1,847,259; Mar. 1.
Oberfield, Louis, Brooklyn, N. Y. Lock and key indicator. 1,843,355; Feb. 2.
Oberg, Anton J., and R. R. Stoefen, Los Angeles, Calif. Light projecting machine. 1,876,511; Sept. 6.
Obergfell, Herbert F., River Forest, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone desk stand. Des. 86,263; Feb. 16.
Obergfell, Herbert F., River Forest, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Electromagnetic device. 1,878,800; Sept. 20.
Oberhaensli, Friedrich, Bregenz-Lochau, Austria, assignor to "Omo" Aktiengesellschaft, Zurich, Switzerland. Internal combustion engine and operating the same. Re18,575; Aug. 23.
Oberhoffken, Alexander, assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 1,879,436; Sept. 27.
Oberhoffken, Alexander, assignor to Production Engineering Company, Detroit, Mich. Hydraulic feed mechanism. 1,888,091; Nov. 15.
Oberhuber, William F., Lansdowne, Pa. Switch latch. 1,842,562; Jan. 26.
Oberhuber, William F., Lansdowne, Pa. Disk for pipe joints. 1,859,523; May 24.
Oberhuber, William F., Lansdowne, Pa. Composite disk seal. 1,869,577; Aug. 2.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Company, Philadelphia, Pa. Slug for condenser tubes. 1,842,563; Jan. 26.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Corporation, Philadelphia, Pa. Slug for cleaning condenser tubes. 1,855,640; Apr. 26.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Company, Philadelphia, Pa. Gun for condenser cleaning slugs. 1,869,978; Aug. 2.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Company, Philadelphia, Pa. Slug for cleaning condenser tubes. 1,882,419; Nov. 8.
Oberle, Alfred, assignor of one-half to T. E. Scofield, Kansas City, Mo. Purifying petroleum hydrocarbons. 1,845,516; Feb. 2.
Oberle, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting hydrocarbon oils. 1,869,978; Aug. 2.
Oberle, Jacob F. (See Seaman, Harold L., assignor.)
Oberle, William, Bushton, Kans. Well fishing tool. 1,867,339; Sept. 6.
Oberlin, Max, Darmstadt, Germany. Production of normal levorotatory 1 - (para - aminophenyl) - 2 - methylamino - propanol-1. 1,849,660; July 5.
Oberlin, Max, Darmstadt, Germany. Production of 1-(para - amino - phenyl)-2-methylamino-propanol-1. 1,892,532; Dec. 27.
Obermoser, Karl, Baden-Baden, Germany. Electric motor starting clutch. 1,868,245; July 19.
Oberndorfer, Ira H., Brooklyn, N. Y. Pajamas. Des. 86,966; May 17.
Oberphos Company, The. (See Anderson, David L., assignor.)
Oberphos Company, The. (See Ober, B., and Wight, assignors.)
Oberphos Company. (See Waggaman, William H., assignor.)
Oberreich, Louie H., Indianapolis, Ind. Cushion rebound check. 1,841,668; Jan. 19.
Obert, Casin W., Mount Vernon, N. Y., assignor to The Linde Air Products Company. Nozzle mounting. 1,883,874; Dec. 6.
Oberti, James M., San Francisco, Calif. Brush head swinging device and control. 1,885,540; Nov. 1.
Oberto, Charles J., Oakland, Calif. Lamp. Des. 86,581; Mar. 22.
Obidine, Waldimire J., Los Angeles, Calif. Calculating device. 1,867,888; July 19.
Oblin, Raymond, Paris, assignor to Société Anonyme des Nouvelles Inventions Mecanique et Electriques, Meuilly-sur-Seine, France. Combination switch. 1,855,187; Apr. 19.
Oblinger, Daniel B., assignor to Union Mills Paper Manufacturing Company, New Hope, Pa. Process of producing paper. 1,864,852; June 28.
O'Brien, Arthur J., Pontiac, Mich., assignor to The Willys-Overland Company, Toledo, Ohio. Pneumatic hone. 1,850,847; Mar. 22.
O'Brien, Chester J., assignor, by mesne assignments, to Calumet Steel Company, Chicago, Ill. Collapsible structural unit. 1,883,816; Oct. 18.
O'Brien, Falconer, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Grille. 1,855,256; Apr. 26.
O'Brien, George W., Jersey City, N. J. Headlight. 1,871,551; Aug. 16.
O'Brien, James R., Chicago, Ill., assignor, by mesne assignments, to Rubber Products Corporated, Dover, Del. Road marker. 1,859,941; Nov. 1.
O'Brien, James Raymond, Chicago, Ill., assignor, by mesne assignments, to Rubber Products Corporation, Dover, Del. Road marker and placing the same in a pavement. 1,886,720; Nov. 8.
O'Brien, James Raymond, Chicago, Ill., assignor, by mesne assignments, to Rubber Products Corporation, Dover, Del. Road marker. 1,886,721; Nov. 8.
O'Brien, John H., Osage, Wyo. Excavating machine. 1,853,923; Apr. 12.
O'Brien, John J., Lakehurst, N. J. Engine release mechanism. 1,879,632; Sept. 27.
O'Brien, John O. (See Thornton, John E., assignor.)

O'Brien, John R., Newark, N. J. Practice golf sphere. 1,842,944; Jan. 26.
O'Brien, Joseph F. (See Fanarjian, John, assignor.)
O'Brien, Joseph F., New York, N. Y. Automobile door retainer. 1,839,583; Jan. 5.
O'Brien, Joseph, Baltimore, Md. Renewable thermounit. 1,839,488; Nov. 29.
O'Brien, Mary B., Chicago, Ill. Broiler. 1,862,420; June 7.
O'Brien, Richard H., Watertown, and J. A. Byrne, Allston, Mass. Curtain and blanket stretcher. 1,859,216; May 17.
O'Brien, Richard J., assignor to Waugh Equipment Company, Depew, N. Y. Truck center bolster cushion. 1,879,437; Sept. 27.
O'Brien, Roland L. (See Buckman, Henry H., assignor.)
O'Brien, Thomas, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Bacon treating. 1,852,357; Apr. 5.
O'Brien, William A., San Francisco, Calif. Combined game board and tray. Des. 86,932; May 10.
O'Brien, William A., Los Angeles, Calif. Card game scoring board. Des. 87,976; Oct. 18.
O'Brien, William A., San Francisco, Calif. Bridge table top. Des. 88,670; Dec. 13.
O'Bryan, William C., Seaside, assignor to D. M. Rogers, Pacific Grove, Calif. Revoluble step bearing. 1,864,461; June 21.
O'Brien, William J., Baltimore, Md., assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Composite pigment. 1,864,504; June 21.
Obst, Bruno A., Milwaukee, Wis. Windshield frame. 1,857,602; May 10.
Obstfeld, Abraham I., et al. (See Obstfeld, L., and Drypolcher, assignors.)
Obstfeld, Lou, et al. (See Obstfeld, L., and Drypolcher, assignors.)
Obstfeld, Lou, Brooklyn, and W. Drypolcher, Valley Stream, assignors, by mesne assignments, to said L. Obstfeld and A. L. Obstfeld, New York, N. Y. Stapling machine. 1,857,731; Nov. 15.
Obuchowski, Paul, Stamford, Conn. Automobile splash guard. 1,853,373; Apr. 12.
O'Byrne, Nathan W., Baldwin, Kans. Ellipsograph. 1,876,000; Sept. 6.
Oches, Fred W., St. Louis, Mo. assignor to Walker Manufacturing Company, Racine, Wis. Can opener device. 1,847,709; Mar. 1.
Ochiltree, Ned A., Peoria, Ill., assignor to Concrete Engineering Company, Omaha, Nebr. Fence post. 1,855,136; Apr. 19.
Ochiltree, Ned A., Peoria, Ill., assignor to Concrete Engineering Company, Omaha, Nebr. Tie wire. 1,861,450; June 7.
Ochinoff, Nicholas, San Francisco, Calif. Automatic switch for left-right turns of motor vehicle devices. 1,876,807; Sept. 6.
Ochs, Henry R., assignor to The Embalmers Supply Company, Westport, Conn. Tissue filler for corpses. 1,882,807; Oct. 18.
Ochse, William, San Antonio, Tex. Pick up attachment for telephone receivers. 1,842,190; Jan. 19.
Ochse, William, San Antonio, Tex. Portable sample case. 1,849,010; Aug. 4.
Ocker, William C., San Antonio, Tex. Fog training device for airplanes. 1,882,087; Oct. 11.
Ockman, Tobias. (See Dreyfus, H., Ellis, Ockman, and Olpin.)
O'Connell and Sweeney. (See Sweeney, J. R., and Roberts, assignor.)
O'Connell, Harry H. (See Henry, John J., assignor.)
O'Connell, Joseph, and H. H. Kerr, Kensington, Victoria, Australia. Driving and actuating mechanism of butter churns. 1,882,296; Oct. 11.
O'Connell, Walter E., New Orleans, La. Electric rat guard. 1,849,016; Mar. 8.
O'Conner, Richard J. (See O'Connor, Joseph V., assignor.)
O'Connor, Alexander T., Detroit, assignor of one-half to G. Yeoman, Birmingham, Mich. Automobile heater. 1,890,745; Dec. 13.
O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Hand brake. 1,845,513; Feb. 16.
O'Connor, Arthur F., assignor to Equipment Specialties Company, Chicago, Ill. Tank hand hole and cover. 1,861,225; May 31.
O'Connor, Arthur F., assignor to Equipment Specialties Company, Chicago, Ill. Handwheel and guard attachment. 1,861,226; May 31.
O'Connor, Frances M., executrix. (See O'Connor, William A.)
O'Connor, Frank J., Dwight, Ill. Advertising sign for a vehicle top. 1,885,282; Nov. 1.
O'Connor, George, and C. J. Hobart, assignors to Link-Belt Company, Chicago, Ill. Protected screw take up. 1,847,779; Mar. 1.
O'Connor, George K., Fairlawn, N. J., assignor to Smoot Engineering Corporation, New York, N. Y. Multiple quantity regulation. 1,877,576; Sept. 13.
O'Connor, George K., Fairlawn, N. J., assignor to Smoot Engineering Corporation, New York, N. Y. Multiple flow regulation. 1,886,575; Nov. 8.

O'Connor, James J., Chillicothe, assignor to The Mead Pulp and Papper Company, Dayton, Ohio. Paper manufacture. 1,868,291; July 19.
O'Connor, John B. (See Bales, J. E., and O'Connor.)
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Folding table. 1,879,945; Sept. 27.
O'Connor, John B., and J. B. Adler, assignors to Lyon Metal products, Incorporated, Aurora, Ill. Table construction. 1,851,053; Mar. 29.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,840,124; Jan. 5.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,840,125; Jan. 5.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler yoke connection. 1,842,914; Jan. 26.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,842,915; Jan. 26.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,849,694; Feb. 2.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,849,729; Feb. 2.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,847,440; Mar. 1.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,850,564; Mar. 22.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,851,590; Mar. 29.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,858,725; Apr. 26.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,855,726; Apr. 26.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,856,422; May 3.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,858,519; May 17.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,858,520; May 17.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car door construction. 1,859,712; May 24.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,860,113; May 24.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,860,548; May 31.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,860,549; May 31.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,861,664; June 7.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,862,764; June 14.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Anti-friction bearing. 1,862,765; June 14.
O'Connor John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,862,766; June 14.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,863,762; June 21.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 1,869,578; Aug. 2.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 1,869,579; Aug. 2.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,871,385; Aug. 9.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,871,423; Aug. 9.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,873,717; Aug. 23.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,873,718; Aug. 23.
O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Railway draft rigging. 1,874,058; Aug. 30.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,877,026; Sept. 13.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,877,027; Sept. 13.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Bulk freight container. 1,877,028; Sept. 13.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,877,029; Sept. 13.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,881,226; Oct. 4.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,884,154; Oct. 25.
O'Connor, Joseph V., assignor to R. J. O'Connor, Cuyahoga Falls, Ohio. Window construction. 1,882,088; Oct. 11.
O'Connor, Robert M., and R. T. Todd, Warren, Ohio. Type slug casting machine or the like. 1,868,363; July 19.
O'Connor, Thomas, Philadelphia, Pa. Rotary pulp screen. 1,877,030; Sept. 13.
O'Connor, Thomas, assignor to Ohmer Fare Register Company, Dayton, Ohio. Register interlocking mechanism. 1,875,116; Aug. 30.
O'Connor, Thomas, assignor to Ohmer Fare Register Company, Dayton, Ohio. Register. 1,875,117; Aug. 30.

O'Connor, William A., deceased, New York, N. Y.; E. M. O'Connor, executrix. Liquid atomizing device. 1,859,273; May 17.
O'Connor, William H., Newark, N. J. Pork skinning machine. 1,852,187; Apr. 5.
Odda, Smelteverk, A/S. (See Johnson, Erling, assignor.)
O'Day, Cortland N. (See Harnett, L. D., and O'Day.)
Odell, Carl L., executor. (See Odell, Carl H.)
O'Dell, Charles B., McMinnville, Oreg. Hydraulic tire press. 1,896,746; Dec. 13.
Odell, Carl H., Chicago, Ill., deceased, Carl L. Odell, executor. Thermal treatment applicator. 1,863,533; June 14.
Odell, Earl H., deceased, Chicago, Ill.; Carl L. Odell, executor. Vacuum cup. 1,863,534; June 14.
Odell, Leslie S., assignor to Building Products Limited, Montreal, Quebec, Canada. Wall board. 1,876,340; Sept. 6.
Odell, William W. (See Brown, R. L., and Odell.)
Odell, William W., San Francisco, Calif. Water gas generator. 1,855,309; Apr. 26.
Odell, William W., New York, N. Y., assignor to Columbia Engineering and Management Corporation, Cincinnati, Ohio. Making combustible gas. Re18,382; Mar. 8.
Odell, William W., assignor to Columbia Engineering & Management Corporation, New York, N. Y. Making combustible gas. 1,841,201; Jan. 12.
Oden, Willard H., Rayland, Ohio. Rumble seat top. 1,855,410; Apr. 26.
Odenbreit, Frank L., Long Beach, assignor to Control Equipment Corporation, Ltd., Pasadena, Calif. Cement shoe. 1,858,492; Mar. 8.
Odendahl, Henry A., Little Falls, N. J. Vaporizer. 1,891,171; Dec. 13.
Odgen, J. Edward, Company. (See McIntosh, Roy E., assignor.)
Odin, John K., assignor to Lesher, Whitman & Co., Inc., New York, N. Y. Curtain fixture for use in connection with curtain brackets. 1,859,884; May 24.
Odin Stove Manufacturing Company. (See Hoffstetter, Carl H., assignor.)
Odlum, William H. (See Peterson, E. H., and Odlum.)
Odlum, William H., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Wheel puller. 1,861,175; May 10.
O'Donnell, Edward C. (See Templeton, Herbert J., assignor.)
O'Donnell, John B., Sheldon, Iowa, assignor to Deere & Company, Moline, Ill. Wagon hitch. 1,882,868; Oct. 18.
O'Donnell, John R., Brooklyn, N. Y. Stair construction. 1,856,686; Nov. 22.
O'Donnel, Martin J. (See Dugan, Thomas J., assignor.)
O'Donnell, Michael T., Duluth, Minn. Display case. 1,861,015; June 7.
O'Donnell, Patrick J., New York, N. Y., assignor to Radio Corporation of America, Combined radio receiver and clock. Des. 87,403; July 19.
O'Donnell, Philip L., Cincinnati, Ohio. Air supply system. 1,867,867; July 19.
O'Donnell, Philip L., Norwood, Ohio, assignor to Parco Specialty Co., Lynn, Mass. Coated strip and process of coating strips. 1,840,052; Jan. 5.
O'Donnell, Philip L., Norwood, Ohio. Making shoes. 1,847,975; Mar. 1.
O'Donnell, Philip L., Norwood, Ohio, assignor to Parco Specialty Co., Lynn, Mass. Binding tape. 1,888,432; Nov. 22.
O'Donnell, Philip L., Cincinnati, Ohio, assignor to Parco Specialty Co., Lynn, Mass. Adhesive binding tape. 1,888,433; Nov. 22.
O'Donoghue, James F., Lowell, Mass., assignor to Boott Mills. Apparatus for bleaching fabric. 1,842,363; Jan. 19.
O'Donohoe Detachable Blade Drilling Bit Company. (See Le Bus, John E., assignor.)
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove casing. Des. 86,045; Jan. 19.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove casing. Des. 86,046; Jan. 19.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas range. Des. 86,136; Feb. 2.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove casing. Des. 87,169; June 14.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Burner unit for gas heating apparatus. 1,869,942; Aug. 2.
O'Dowd, Leslie J., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Textile package holder. 1,884,817; Oct. 25.
Odquist, Victor, Yonkers, assignor to American Can Company, New York, N. Y. Hinge and making it. 1,884,818; Oct. 25.
O'Dwyer, Philip, Detroit, Mich. Vehicle. 1,875,647; Sept. 6.
Oehler, Roman S., Cincinnati, Ohio. Detachable handle. 1,848,649; Mar. 8.
Oehme, Hermann, assignor to Chemische Fabrik Kalk Gesellschaft mit beschrankter Haftung, Cologne-Kalk, Germany. Producing concentrated gaseous hydrochloric acid. 1,855,984; Apr. 26.
Oehme, Hermann, assignor to Chemische Fabrik Kalk Gesellschaft mit beschrankter Haftung, Cologne-Kalk Germany. Production of zinc hydrocarbonate. 1,866,775; July 12.
Oehmichen, Etienne, Valentigney, France. Device for reducing the tension of the film in cinematographic apparatus. 1,873,463; Aug. 23.
Oehl, Ernest A., Grand Rapids, Mich. Chair. 1,885,471; Nov. 1.
Oehrle Brothers Company. (See Oehrle, Franklin W., assignor.)
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Attachment for narrow wave looms. 1,840,818; Jan. 12.
Oelberg, Clara, et al. (See Kill, Vincent P., assignor.)
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Wheel. 1,862,157; June 7.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 1,870,136; Aug. 2.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Engine truck. 1,872,797; Aug. 23.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Truck. 1,872,798; Aug. 23.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Roller bearing assembly. 1,882,231; Oct. 11.
Oenslager, George, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making rubber derivatives. 1,841,295; Jan. 12.
Oertel, Franz, Berlin-Charlottenberg, assignor to Westinghouse Electric & Manufacturing Company. Ring spinning machine. 1,862,030; June 7.
Oertli, Josua, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengeselschaft, Siemensstadt, near Berlin, Germany. Conveying apparatus, particularly for electroplating. 1,866,124; July 5.
Oesch, Henry, Pittsburgh, Pa. Race timing apparatus. 1,874,794; Aug. 30.
Oesterreichsche Brown-Boveri-Werke A. G. (See Latzko, J., and Plechl, assignors.)
Oesterreichsche Tabak Regie. (See Wenusch, Adolf, assignor.)
Oestnaes, Victor L., Westfield, and R. W. Luce, Mountainside, assignors to American Gas Accumulator Company, Elizabeth, N. J. Signal light reflector. 1,840,790; Jan. 12.
Oestnaes, Victor L., Westfield, R. W. Luce, Mountainside, and L. M. Merrill, Madison, assignors to American Gas-accumulator Company, Elizabeth, N. J. Inserting and securing objects in the open ends of holders. 1,884,155; Oct. 25.
Oetjen, John H. (See Krueger, R. H., and Oetjen.)
Oetjen, Rudolf. (See Yopal, J., and Oetjen.)
O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Stoper feed control. 1,856,010; May 3.
O'Farrell, Thomas, Laguna Beach, assignor to Sparklette Bottled Water Corporation, Los Angeles, Calif. Drinking water cooler. 1,867,868; July 19.
Ofeldt, Frank W., McKeesport, Pa. Heating and cleaning apparatus. 1,855,866; Apr. 26.
Ofensend, Chase F. (See Black, T. J., and Ofensend.)
Often, James H., assignor to The Garrard Engineering & Manufacturing Company Limited, Swindon, England. Centrifugal governor. 1,864,853; June 28.
Ofterbetcher, William L., Miami, Fla. Sack. 1,881,890; Oct. 11.
Offenhauser, William H., jr., New York, N. Y., assignor to Radio Corporation of America. Sound reproduction. 1,855,196; Apr. 26.
Officine Lombarde Apparecchi di Precisione O. L. A. P. Societe Anonima. (See Bussel, Ettore, assignor.)
Offley, Willoughby N., Charlottesville, Va. Tube for tooth-paste. 1,849,586; Mar. 15.
Offutt, James S., assignor to United States Gypsum Company, Chicago, Ill. Plaster-board manufacture. 1,871,731; Aug. 16.
Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Making seamless tubes. 1,888,607; Nov. 22.
Offutt, John W., Ellwood City, Pa. Bloom planer. 1,890,824; Dec. 13.
O'Flaherty, Edward J., Oil City, Pa. Tool chuck. 1,839,252; Jan. 5.
O'Flynn, Thomas. (See Brooks, H. L., and O'Flynn.)
Ofteibl, John, Chicago, Ill. Artificial snow. 1,890,127; Dec. 6.
Oftedal, Jakob. (See Anfinnsen, Arnfinn S.)
Oftedal, Sigmund A., Fargo, N. Dak. Sectional adjustable display sign. 1,857,789; May 10.
O'Gallagher, E., administrator. (See Peters, Edward F.)
Ogden, Daniel L., Woodbridge, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Recovering zinc compounds from ammoniacal solutions. 1,854,664; Apr. 19.
Ogden, Floyd H., Watertown, Mass., assignor, by mesne assignments, to Pepperell Manufacturing Company, Biddeford, Me. Tufting machine. 1,874,588; Aug. 30.
Ogden, J. Edward, Company. (See Prescott, Arthur T., assignor.)
Ogden, J. Edward, Company. (See Tomkinson, Charles C., assignor.)

Ogden, Jacob W. (See Wheeler, W. H., jr., and Ogden.)
Ogden, Jacob W. (See Wheeler, W. H., Ogden, and Rouan.)
Ogden, William D. (See Hopkins, R. Z., and Ogden.)
Ogg, Hattie R. (See Specht, Hattie R.)
Ogg, William A., Newton, Mass. Smelting zinc and the like. 1,892,114; Dec. 27.
Ogier, Walter W., jr. (See Marcus, D. A., and Ogier.)
Ogilvie, Edward L. (See Michaud, G. N., and Ogilvie.)
Ogilvie, Francis E., University, Va., assignor of one-half to William H. Sawyers, Hinton, W. Va. Parking device. 1,879,438; Sept. 27.
Ogilvie, James. (See Rogers, D. G., Ogilvie, and Crowell.)
Ogilvie, James, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Protection of N-dihydroanthraquinones. 1,847,332; Mar. 1.
Ogilvie, James, Buffalo, and D. G. Rogers, Hamburg, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Preparing leuco-1,4-dihydroxy-anthraquinones. 1,872,492; Aug. 16.
Ogilvy, Walter S., Elmhurst, assignor to Alco Products, Incorporated, New York, N. Y. Heat exchanger baffle. 1,884,156; Oct. 25.
Ogle Construction Co. (See Bledsoe, Carl F., assignor.)
Ogle, Elmer L., assignor to All-Steel-Equip Company, Aurora, Ill. Switch panel. 1,856,288; May 3.
Ogle, Forest W. (See Keown, John M., assignor.)
Ogles, Joseph E. (See Enderlin, W. J. F., and Ogles.)
Ogleshee, Floyd H., Wilmington, Ohio. Cultivator fender attachment. 1,847,493; Mar. 1.
Oglesby, Nicholas E., and D. Ehrenfeld, Edgewood, Md., assignors, by mesne assignments, to Federal Laboratories, Inc., Pittsburgh, Pa. Making a composition for producing irritating gas. 1,864,754; June 28.
Ogren, Carl F., assignor to Thermoid Rubber Company, Trenton, N. J. Brake lining. 1,891,186; Dec. 13.
Ogren, Carl F., assignor to Thermoid Rubber Company, Trenton, N. J. Brake lining. 1,892,625; Dec. 27.
Ogura, Zenpei, Tobata-Shi, Fukuoka-Ken, Japan. Refrigerator of cold brine shower system. 1,887,463; Nov. 15.
Ogurkowski, Georg, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Time switch. 1,888,687; Nov. 22.
O'Hagin, Bernard E. (See Gilson, R. M., and O'Hagan.)
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,846,686; Feb. 23.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,862,892; May 22.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor control apparatus. 1,850,893; Mar. 22.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote controlling apparatus. 1,855,310; Apr. 26.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,857,323; May 10.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,858,966; May 17.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor control apparatus. 1,884,157; Oct. 25.
O'Halloran, John A., Clinton, Iowa. Compressing and molding machine. 1,869,492; Aug. 2.
Ohanian, Horan, Watervliet, N. Y. Sign. 1,868,582; July 26.
O'Hara, Charles T., and W. A. Quirt, Bellingham, Wash.; said O'Hara assignor to said Quirt. Fishing-rod reel. 1,866,052; July 5.
O'Hare, Martin (See Johnson, H. O., and O'Hare.)
O'Hare, Martin, Donora, Pa. Bottling apparatus. 1,841,202; Jan. 12.
Ohio Art Company. (See Winzeler, Henry S., assignor.)
Ohio Boxboard Company, The. (See Gannon, I. J., and Linn, assignors.)
Ohio Boxboard Company, The. (See Yochheim, Edward G., assignor.)
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Birch, Leland W., assignor.)
Ohio Brass Company, The. (See Bovard, William P., assignor.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Kiley, Edward J., assignor.)
Ohio Brass Company, The. (See Kirk, Edward C., assignor.)
Ohio Brass Company, The. (See Klohs, Frank A., assignor.)
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Brass Company, The. (See McKenzie, Angus D., assignor.)
Ohio Brass Company, The. (See Moore, Edgar D., assignor.)
Ohio Brass Company, The. (See Perl, Leo C., assignor.)
Ohio Brass Company, The. (See Pipes, Pliny P., assignor.)
Ohio Brass Company, The. (See Tomlinson, Charles H., assignor.)
Ohio Electric Hammer Corporation, The. (See Trotter, Walter F., assignor.)
Ohio Ferro-Alloys Corporation. (See Ripberger, Alexander G., assignor.)
Ohio Ferro-Alloys Corporation. (See Ripberger, A. G., and Lincoln, assignors.)
Ohio Foundry & Manufacturing Company, The. (See McFadden, George H., assignor.)
Ohio Galvanizing & Manufacturing Co., The. (See Robinson, William R., assignor.)
Ohio Injector Company, The. (See Allen, Charles B., assignor.)
Ohio Injector Company, The. (See Edwards, Frank W., assignor.)
Ohio Oil Co., The. (See Cyphers, William D., assignor.)
Ohio Oil Company, The. (See Slough, Ralph M., assignor.)
Ohio Parts Company, The. (See Terrell, H. C., and Kerkhoff, assignors.)
Ohio Power Shovel Company. (See Rauch, John D., assignor.)
Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
Ohio Rubber Company, The. (See Bronson, B., and Marbach, assignors.)
Ohio Rubber Company, The. (See Cavanagh, Gerald F., assignor.)
Ohio Rubber Company, The. (See Fleming, J. R., and Winegar, assignors.)
Ohio Rubber Company, The. (See Flemming, Charles F., assignor.)
Ohio Rubber Company, The. (See Marbach, C. R., and Cavanagh, assignors.)
Ohio Rubber Company, The. (See Schultz, Howard W., assignor.)
Ohio Sanitary Engineering Corporation, The. (See Griesbach R., and Weiss, assignors.)
Ohio Sanitary Engineering Corporation, The. (See Travers, John F., assignor.)
Ohio Sanitary Engineering Corporation, The. (See Travers, J. T., Lewis, and Urbain, assignors.)
Ohio Steel Foundry Company, The. (See Burke, Ralph, assignor.)
Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
Ohio Steel Foundry Company, The. (See Stewart, Carlyle V., assignor.)
Ohio Steel Foundry Company, The. (See Ziegler, Frank K., assignor.)
Ohio Truss Company, The. (See McNulty, John, assignor.)
Ohio Truss Company, The. (See Pease, Isaac M., assignor.)
Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Piezo electric oscillator. 1,858,340; May 17.
Ohlendorf, Heinrich. (See Reddelien, G., and Ohlendorf.)
Ohlendorf, Heinrich, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Monoazo dye. 1,873,628; Aug. 23.
Ohler, Frank L., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Adjustable brake stand. 1,860,394; May 31.
Ohler, Frank L., and R. P. French, assignors to The Haughton Elevator & Machine Company, Toledo, Ohio. Elevator safety device. 1,875,118; Aug. 30.
Ohler, Johann F., Remscheid-Vieringhausen, Germany. Positively actuated grinding wheel feed for saw sharpening machines and the like. 1,850,331; Mar. 22.
Ohler, John H. (See Weld, L. M., Ohler, and Berkley.)
Ohlhues, Daniel N. (See Walker, E. L., and Ohlhues.)
Ohlig, Fritz, Gautzsch, near Leipzig, assignor to the Firm Preussse & Co. Aktien-Gesellschaft, Leipzig, Germany. Stitching machine. 1,841,146; Jan. 12.
Ohlson, Carl G., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Apparatus for handling and shearing metal strip. 1,856,111; May 3.
Ohlsson, Ernst. (See Isermann, M., and Ohlson.)
Ohm, Albert J. D., Oak Park, assignor to Beardsley Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. 1,864,145; June 21.
Ohm, Albert J. D., Oak Park, assignor to Beardsley Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. 1,870,652; Aug. 9.
Ohmer, Artur. (See Dorrer, A., Scheurer, and Ohmer.)
Ohmer Fare Register Company. (See Anstotz, Karl, assignor.)
Ohmer Fare Register Company. (See Buckley, Phillip F., assignor.)
Ohmer Fare Register Company. (See Gluck, Julius, assignor.)
Ohmer Fare Register Company. (See Gluck, J., and Karich, assignors.)
Ohmer Fare Register Company. (See Jackson, Kenneth, assignor.)
Ohmer Fare Register Company. (See Kunkelman, H. C., and Becker, assignors.)
Ohmer Fare Register Company. (See Long, Robert B., assignor.)

Ohmer Fare Register Company. (See O'Connor, Thomas, assignor.)
Ohmer Fare Register Company. (See Ohmer, H. B., and Carroll, assignors.)
Ohmer Fare Register Company. (See Ohmer, J. F., and Coil, assignors.)
Ohmer Fare Register Company. (See Ohmer, J. F., and Wheelbarger, assignors.)
Ohmer Fare Register Company. (See Orth, William G., assignor.)
Ohmer Fare Register Company. (See Palmer, Brian C., assignor.)
Ohmer Fare Register Company. (See Tingley, Bruce H., assignor.)
Ohmer Fare Register Company. (See Wheelbarger, Albert S., assignor.)
Ohmer Fare Register Company. (See Wheelbarger, A. S., and Coil, assignors.)
Ohmer Fare Register Company. (See Wheelbarger, A. S., and Keil, assignors.)
Ohmer, Henry B., and W. M. Carroll, assignors to Ohmer Fare Register Company, Dayton, Ohio. Recording device, 1,846,252; Feb. 23, 1932.
Ohmer, John F., and A. S. Wheelbarger, assignors to Ohmer Fare Register Company, Dayton, Ohio. Fare registering, recording, and ticket issuing machine. 1,853,741; Apr. 12.
Ohmer, John F., and G. C. Coil, assignors to Ohmer Fare Register Company, Dayton, Ohio. Ticket printing, issuing, and recording machine. 1,875,119; Aug. 30.
Ohmer, Wilfred I., Dayton, Ohio. Safety razor. 1,881,059; Oct. 4.
Ohnstrand, Enoch. (See Rand, J. H., jr., and Ohnstrand.)
Ohnstrand, Enoch, Kenmore, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Sliding top. 1,877,775; Sept. 20.
Ohr, Ludwig, Worms, Germany. Protective device for film projecting apparatus. 1,839,335; Jan. 5.
Oil Conservation Engineering Company, The. (See Tennent, Alpheus H., assignor.)
Oil Corporation of America. (See Darlington, Homer T., assignor.)
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Oil Engine Development Company. (See Cummons, Clessie L., assignor.)
Oildraulic Lift Company. (See Stukenborg, Louis C., assignor.)
Oilgear Company, The. (See Barrett, L. A., and Ferris, assignors.)
Oilgear Company, The. (See Ferris, John P., assignor.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Oilgear Company, The. (See Ferris, W. and J. P., and Crull, assignors.)
Oilgear Company, The. (See Ferris, W. and J. P., and Macomber, assignors.)
Oilgear Company, The. (See Ferris, W., and Fobian, assignors.)
Oilgear Company. (See Ferris, W., and Patrick, assignor.)
Oil Well Supply Company. (See Gallman, C. E., Harshaw, and Haire, assignors.)
Oil Well Supply Company. (See Greve, Edgar E., assignor.)
Oil Well Supply Company, et al. (See Keim, Lester H., assignor.)
Oil Well Supply Company. (See Mack, Patrick H., assignor.)
Oishei, Charles H., Detroit, Mich., assignor to Trico Products Corporation, Buffalo, N. Y. Rear view mirror. 1,840,248; Jan. 5.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle. Re18,594; Sept. 13.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Rear view mirror. 1,845,808; Feb. 16.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Truck mirror. 1,848,064; Mar. 1.
Oishei, John R. assignor to Trico Products Corporation, Buffalo, N. Y. All-metal rear view mirror. 1,862,094; June 7.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Mirror and making same. 1,862,095; June 7.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Rear view mirror. 1,862,096; June 7.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield heater. 1,882,559; Oct. 11.
Oishei, John R., and W. Paulus, assignors to Trico Products Corporation, Buffalo, N. Y. Rear view mirror. 1,844,675; Feb. 9.
Okabe, Kinjiro, Sendai, Japan, assignor to General Electric Company. Oscillation generator. 1,860,114; May 24.
Okabe, Yahei. (See Sugiyama, T., Ushiki, and Okabe.)
Okada, Yoshinobu, Ikegami-Cho, Japan. Belt conveyer scale or the like. 1,875,485; Sept. 6.
Okadee Company, The. (See Hollingshead, A. G., and Ploen, assignors.)
Okadee Company, The. (See Ploen, Curtis W., assignor.)
Okai, Luis S., Los Angeles, Calif. Basin flower holder. 1,868,802; July 26.
O'Kane, Walter C., et al. (See Hartzell, Albert, and Lathrop, assignors.)
O'Kane, Walter C., et al., trustees. (See Wilcoxon, Frank, assignor.)
Okazaki, Kojiro. (See Tatsumi, Y., Ikebe, and Okazaki.)
O'Keefe, Michael R., Tacoma, Wash. Collapsible tube closure. 1,866,984; July 12.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, Hyde Park, Mass. Electric switch having lockout mechanism. 1,845,514; Feb. 16.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and opening and closing circuits therefor. 1,862,158; June 7.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Thermal relay. 1,886,354; Nov. 1.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Thermoresponsive device. 1,886,355; Nov. 1.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Thermal relay and cut-out. 1,886,356; Nov. 1.
O'Keefe, Joseph F., Dumont, N. J. Handy chart and pencil. 1,885,541; Nov. 1.
Okell, Stanley A. W. (See Wickenden, L., and Okell.)
Okell, Stanley A. W., Crayford, N. J. Valve for steam radiators and the like. 1,868,541; July 26.
Okey, Ferry, assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale structure. 1,881,060; Oct. 4.
Oki, Shin-ichi, Senju Machi, Minami Adachi Gun, Tokyo Fu, assignor to Shimaburo Shibuya, Tokyo, Japan. Manila hemp bearing. 1,859,104; Nov. 20.
Okochi, Masatosi, Tokyo, and M. Okoshi, Tokyo Prefecture, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Machine for manufacturing twist drills. 1,891,831; Dec. 20.
Okochi, Masatosi, Shibuya-Ku, Tokyo, and K. Ebihara, Kohikhawa-Ku, Tokyo, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Manufacturing piston rings. 1,849,467; Mar. 15.
Okonite Company, The. (See Stevens, Donald R., assignor.)
Okonite-Callender Cable Company. (See Bennett, Charles E., assignor.)
Okonite-Callender Cable Company, The. (See Branthwaite, Isaac, assignor.)
Okonite-Callender Cable Company, The. (See Meyer, Fred C., assignor.)
Okonite-Callender Cable Company, The. (See Branthwaite, Isaac, assignor.)
Okonite Company, The. (See Bennett, Charles E., assignor.)
Okonite Company, The. (See Hendey, F., and Millwood, assignors.)
Okoshi, Mokoto. (See Okochi, M., and Okoshi.)
Okugawa, Toshiro, See Fuwa, K., and Okugawa.)
Okumura, Takeshi, Kamikyo Ku, Kyoto, Japan. Speed changing apparatus. 1,857,324; May 10.
Olum, Nathaniel N., New York, N. Y. Electric connecting device. 1,853,173; Apr. 12.
Olander, Leonard G., assignor to The Monomelt Company, Minneapolis, Minn. Casting machine with metal feeder. 1,863,993; June 21.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 1,853,696; Apr. 12.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,854,044; Apr. 19.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,854,805; Apr. 19.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,869,580; Aug. 2.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler and yoke connection. 1,882,869; Oct. 18.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,882,870; Oct. 18.
Olans, Rose, New York, N. Y. Clip. Des. 87,018; May 24.
Olcsvary, Louis, Republic, Pa. Automatic coupling for mine cars. 1,876,341; Sept. 6.
Oldberg, Albert L., assignor of one-half to Ausby H. Moles, Manchester, Ala. Method and apparatus for reforming worn mining chain lugs. 1,848,493; Mar. 8.
Old Ben Coal Corporation. (See Greene, F. C., and Lauckes, assignors.)
Oldberg Manufacturing Company. (See Oldberg, Virgil assignor.)
Oldberg Manufacturing Company. (See Oldberg, V., and Born, assignors.)
Oldberg Manufacturing Company. (See Spaulding, R. C., Oldberg, and Born, assignors.)
Oldberg, Virgil. (See Spaulding, R. C., Oldberg, and Born.)
Oldberg, Virgil, assignor to Oldberg Manufacturing Company, Detroit, Mich. Muffler. 1,878,424; Sept. 20.
Oldberg, Virgil, and A. C. Born, assignors to Oldberg Manufacturing Company, Detroit, Mich. Making mufflers. 1,877,195; Sept. 13.
Old Colony Envelope Company. (See Lockwood, Ray L., assignor.)
Old Colony Trust Company. (See Cheney, Thorndike F., assignor.)
Old Colony Trust Company. (See Hawadler, Jacques A. M., assignor.)
Old Colony Trust Company, executor. (See Lang, James S.)

Old Dominion Iron & Steel Works. (See Wheelwright, Thomas S., assignor.)

Old Dominion Marine Railway Corporation. (See Holland, Nathaniel G., assignor.)

Oldenburg, Alfred, Berlin, Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Electric tool. 1,866,368; July 5.

Older, Clifford, Wilmette, Ill. Concrete pipe reenforcement. 1,855,807; Apr. 26.

Older, Clifford, Wilmette, Ill. Expansion joint for pavements and the like. 1,856,722; May 3.

Older, Clifford, Wilmette, Ill. Joint for pavements or the like. 1,874,589; Aug. 30.

Older, Clifford, Wilmette, Ill. Pavement joint protector or traffic marker. 1,874,590; Aug. 30.

Older, Clifford, Wilmette, Ill. Expansion joint. 1,874,591; Aug. 30.

Oldfield, Lee, Chicago, Ill. Two stroke cycle internal combustion engine. 1,857,656; May 10.

Oldham, Edward Lee, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Sheathing driver. 1,847,135; Mar. 1.

Oldham, George, Denton, near Manchester, England. Bearing for felting rolls. 1,865,038; June 28.

Oldham, John M., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,859,630; May 24.

Oldham, John M., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Mattress filler or cushion unit. 1,888,357; Nov. 22.

Oldham, June, Tulsa, Okla. Animal racing apparatus. 1,847,676; Mar. 1.

Oldham, Samuel R. (See Hasse, F. C., and Oldham.)

Oldham, Samuel R. (See Mandeville, J. L., and Oldham.)

Oldham, Samuel R., and L. W. Young, Chicago, Ill., assignors to The Lowell Railroad Service Company. Welding torch. 1,891,442; Dec. 20.

Oldroyd, Francis H. (See Burton, J., and Oldroyd.)

Oldroyd, Gerald F., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Skip hoist. 1,870,962; Aug. 9.

Olds, Ambrose D., Wichita, Kans. Waffle iron. Des. 86,650; Mar. 29.

Olds, Ambrose D., Wichita, Kans. Waffle iron. Des. 86,681; Apr. 29.

Olds, Ambrose D., assignor to The Coleman Lamp & Stove Company, Wichita, Kans. Coffee maker. Des. 86,967; Mar. 17.

Olds, Ambrose D., Wichita, Kans., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Water cooler. 1,889,611; Nov. 29.

Olds, Howard A. (See Wells, Ira M., and Olds.)

Olds, Thomas J., Seattle, Wash. Can vent. 1,852,475; Apr. 5.

Old Town Company. (See Chapman, Ralph W., assignor.)

Olean Sales Corporation. (See Coahran, Jesse M., assignor.)

O'Leary, Martin M., Leechburg, Pa. Bulb attachment. 1,855,557; Apr. 26.

O'Leary, John S., Philadelphia, Pa. Needle guide for records. 1,859,153; May 17.

O'Leary, Lydia, Pelham, N. Y. Dermal cover preparation. 1,877,952; Sept. 20.

O'Leary, William J., Washington, D. C. Refrigerator. 1,889,214; Nov. 29.

O'Leary, William C., Washington, D. C. Vacuum wall receptacle. 1,890,659; Dec. 13.

Oles, Burdette S., assignor to Oles Envelope Corporation, Baltimore, Md. Envelope making machine. 1,879,990; Sept. 20.

Oles Envelope Corporation. (See Oles, Burdette S., assignor.)

Oleshaj, Julius, jr., Philadelphia, Pa. Safety device for vault or safe door locks. 1,857,971; May 10.

Olesen, Tage C., assignor to Stinson Aircraft Corporation, Northville, Mich. Motor mounting. 1,853,991; Apr. 12.

Oleson, Henry E., Dubuque, Iowa. Cord runner. 1,881,892; Oct. 11.

Oleston, A. M. (See Worden, James A., assignor.)

Olin, Franklin W., Alton, Ill., and R. G. Clyne, St. Louis, Mo., assignors to Western Cartridge Company, East Alton, Ill. Method and apparatus for inspecting cartridge shells. 1,875,120; Aug. 30.

Olin, George C., Chicago, Ill., assignor, by mesne assignments, to Servitor Manufacturing Company, Inc. Service attachment for furniture. 1,866,665; July 12.

Olin, John M., and A. G. Schuricht, Alton, assignors to Western Cartridge Company, East Alton, Ill. Gun barrel and finishing the same. 1,886,218; Nov. 1.

Olinger, Alvin P., Wichita, Kans., assignor to Killefer Manufacturing Company Los Angeles, Calif. Control for scrapers. 1,862,903; June 14.

Olinger, Ehemiel I., Pollock, Mo. Agricultural machine. 1,869,273; July 26.

Olinger, Jacob M., Springfield, Ohio. Burner. 1,847,846; Mar. 1.

Olinger, Thomas, Holland, Mich. Register appliance. 1,844,520; Feb. 9.

Olphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Pumping mechanism. 1,857,393; May 10.

Oliva, Florentino, assignor of one-half to Guillermo A. Alonso, Mexico, Mexico. Oil burner. 1,885,542; Nov. 1.

Olive, Theodore R. (See Butler, E. A., and Olive, assignors.)

Oliver, Anthony F. (See Palmer, R. C., and Oliver.)

Oliver, Anthony F., and R. C. Palmer, Pensacola, Fla., assignors, by mesne assignments, to Newport Industries, Inc. Purifying resins. 1,881,893; Oct. 11.

Oliver, Benjamin H., Oshoto, Wyo. Saw set. 1,857,563; May 10.

Oliver, Dan B., Lumberton, N. C. Hinge. 1,849,017; Mar. 8.

Oliver, Dew B., San Francisco, Calif. Compact. 1,853,697; Apr. 12.

Oliver, Doctor F., deceased, Oakland; L. F. Oliver, executrix, Oakland, Calif. Vehicle body. 1,861,546; June 7.

Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)

Oliver Farm Equipment Company. (See Altgelt, R. J., and Gerberding, assignors.)

Oliver Farm Equipment Company. (See Dewend, William D., assignor.)

Oliver Farm Equipment Company. (See Krieg, Alfred, assignor.)

Oliver Farm Equipment Company. (See McKenzie, Ralph E., assignor.)

Oliver Farm Equipment Company. (See Krieg, Alfred, assignor.)

Oliver, Fay, et al. (See Brigham, Lawrence M., assignor.)

Oliver, Guy C., Whittier, assignor of one-third to R. M. Combs, Whittier, and one-third to E. A. Spencer, Los Angeles, Calif. Core drill bit. 1,867,024; July 12.

Oliver Iron and Steel Corporation. (See Heim, Warren M., assignor.)

Oliver, J. E. (See Bradford, William G., assignor.)

Oliver, J. Russell, et al. (See Brosius, John, jr., assignor.)

Oliver, Leslie W., and W. G. Clare, assignors to Colour Photographs (British and Foreign) Limited, London, England. Printing process employed in color photography. 1,891,571; Dec. 20.

Oliver, Lillie F., executrix. (See Oliver, Doctor F.)

Oliver, Lott D., Houston, Tex. Brick making machine. 1,875,258; Aug. 30.

Oliver, Ruth, and G. R. Penn, assignors, by direct and mesne assignments, to Incorporated Paper Industries, New York, N. Y. Bottle neck ring and making same. 1,877,144; Sept. 13.

Oliver, Samuel J., East Orange, N. J. Upholstery and drapery fabric. Des. 88,168; Nov. 1.

Oliver United Filters Inc. (See Campbell, Robert C., assignor.)

Oliver United Filters Inc. (See Hillier, Gerald O., assignor.)

Oliver United Filters Inc. (See Moore, Charles W., assignor.)

Oliver, Vincent, Philadelphia, assignor to J. E. Munro, Carlisle, Pa. Method of and apparatus for cleaning band saws. 1,861,412; May 31.

Oliver, Wallace F. (See Loughead, M., and Oliver.)

Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Brake mechanism. 1,881,238; Oct. 4.

Olivetti, Camillo, Ivrea, Italy. Typewriter margimator. 1,871,661; Aug. 23.

Olivieri, Giovanni, Maspeth, N. Y. Clothesline support. 1,857,738; May 10.

Ollard, Eric A., London, and E. Y. Robinson, Manchester, England, assignors, by mesne assignments, to Associated Electrical Industries Limited. Vacuum electric tube. 1,871,276; Aug. 9.

Ollendorff, Franz, Berlin-Wilmersdorf, and E. Friedländer, Spandau, near Berlin, Germany, assignors to Westinghouse Electric & Manufacturing Company. Alternating current protective relay. 1,871,822; Aug. 16.

Ollendorff, Jackques, assignor to Anciens Etablissements R. Cornely & Co., Société Anonyme, Paris, France. Sewing machine. 1,859,870; May 31.

Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Fastening means. 1,841,760; Jan. 19.

Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Fuse plug panel and block. 1,856,423; May 3.

Olley, Raymond H. (See Pearson, J. T., and Olley.)

Olm, Oscar J., assignor to Quality Park Envelope Company, St. Paul, Minn. Envelope. 1,863,279; June 14.

Olmstead Corporation. (See Bluswanger, Richard M., assignor.)

Olmstead, Frederick A., Cleveland Heights, assignor to The Chain Products Company, Cleveland, Ohio. Antiskid device. 1,871,424; Aug. 9.

Olmstead, Harvey M., Denver, Colo. Portable threading device. 1,871,732; Aug. 16.

Olmsted, Ralph M., Wausau, Wis. Machine for refacing rocker arms. 1,854,558; Apr. 19.

Olney, Benjamin, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sound reproducing device. 1,753,174; Apr. 12.

Olney, George J., Westernville, N. Y. Vegetable cleaner and separator. 1,879,439; Sept. 27.

Olofson, Charles J., Fenton, Mich. Grinding mechanism. 1,839,253; Jan. 5.

Olpin, Albert R., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,881,891; Oct. 11.

Olpin, Henry C. (See Dreyfus, H., Ellis, Ockman, and Olpin.)

Olpin, Henry C. (See Ellis, G. H., and Olpin.)

Olpin, Henry C. See Ellis, G. H., Olpin, and Walker.)
Olpin, Henry C. (See Mosby, D. H., Olpin, and Ellis.)
Olschewski, Leo, Jersey City, N. J. Apparatus for teaching swimming. 1,867,627; July 19.
Olsen, Anders C., Mineola, N. Y. Metallic ceiling construction. 1,865,131; June 28.
Olsen, Carl E. (See Peterson, J. A., and Olsen.)
Olsen, Frank, Arverne, N. Y. Paint brush protector. 1,851,521; Mar. 29.
Olsen, George E., Green Bay, Wis. Cleaning fabrics. 1,851,015; Mar. 29.
Olsen, George O., Los Angeles, Calif. Manufacturing surfacing material. 1,843,369; Feb. 2.
Olsen, Gustav A. (See Albertson, Frans O.)
Olsen, Gustav A. (See Albertson, F. O., and Olsen.)
Olsen, Henry. (See Lloyd, L. T., and Olsen.)
Olsen, Henry E., assignor to W. G. Lloyd Company, Chicago, Ill. Binder. 1,862,982; July 19.
Olsen, Henry H., assignor to The Autofont Company, Detroit, Mich. Magazine cup dispenser. 1,881,894; Oct. 11.
Olsen, James. (See Stutsman, F. A., and Olsen.)
Olsen, James B. (See Meyer, D. C., and Olsen.)
Olsen, James C., jr., and L. Bottle, and F. W. Johns, Anderson, Ind. Stove. 1,848,796; Mar. 8.
Olsen, James C., jr., and H. L. Bottle, assignors to Anderson Stove Company, Anderson, Ind. Stove. 1,869,711; Aug. 2.
Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Punch. 1,867,360; Nov. 8.
Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Fastening for belts and the like. 1,857,361; Nov. 8.
Olsen, John K., assignor to Stewart-Warner Corporation, Chicago, Ill. Refrigerator casing. Des. 87,882; Oct. 4.
Olsen, John K., assignor to Stewart-Warner Corporation, Chicago, Ill. Refrigerator casing. Des. 87,883; Oct. 4.
Olsen, Lawrence S., Chicago, Ill. Marine propelling and steering mechanism. 1,866,482; July 5.
Olsen, Ludwig A., Brooklyn, N. Y. Polisher. 1,872,602; Aug. 16.
Olsen, Ludwig A., and S. J. Rooch, Brooklyn, N. Y. Lawn edge trimmer. 1,865,136; June 28.
Olsen, Morris, Revelstoke, British Columbia, Canada. Bake-oven ejector. 1,864,462; June 21.
Olsen, Neil S., Brooklyn, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for dephlegmation. 1,844,477; Feb. 9.
Olsen, Neil S., Brooklyn, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Vapor condensation. 1,857,394; May 10.
Olsen, Olaf E. (See Taylor, R. B., Henderson, and Olsen.)
Olsen, Oscar, Brooklyn, N. Y. Percolator dome. 1,875,648; Sept. 6.
Olsen, Oswald A. (See Marsilius, N. M., and Olsen.)
Olsen, Peter C., Perth Amboy, N. J., assignor to Federal Seaboard Terra Cotta Corporation, New York, N. Y. Hollow block structure. 1,877,953; Sept. 20.
Olsen, Peter C., Perth Amboy, N. J., assignor to Federal Seaboard Terra Cotta Corporation, New York, N. Y. Masonry joint. 1,891,724; Dec. 20.
Olsen, Reuben A., and H. H. Shadduck, Minneapolis, Minn. Hydraulically controlled variable speed pulley. 1,879,633; Sept. 27.
Olsen, Rolf L., Jamaica, N. Y. Automotive demountable wheel. 1,873,464; Aug. 23.
Olsen, Tinius, Testing Machine Company. (See Lundgren, Jacob, assignor.)
Olsen, Walter, and S. Rasmussen, Albert Lea, Minn. Carbureting device for lighting stoves. 1,886,420; Nov. 8.
Olson, Anton, assignor of one-half to M. M. Henrichs, Evanston, Ill. Setter-tool. 1,888,200; Nov. 15.
Olson, Arthur O. (See Kelley, Benjamin F., assignor.)
Olson, Bengt, Brooklyn, assignor to C. J. O'Neill, New York, N. Y. Oil pumping apparatus. 1,860,428; May 31.
Olson, Carl A., assignor by mesne assignments to Lisle Corporation, Clarinda, Iowa. Piston and connecting rod alligner. 1,842,421; Jan. 26.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,841,669; Jan. 19.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Machine for testing hobs, worms, and the like. 1,846,270; Feb. 23.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Locking device. 1,846,271; Feb. 23.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Grinding hobs. 1,846,272; Feb. 23.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,846,273; Feb. 23.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,850,242; Mar. 22.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob tester. 1,858,840; May 17.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer for countersunk screws. 1,865,132; June 28.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob grinding machine. 1,874,592; Aug. 30.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Electrical connecter. 1,874,593; Aug. 30.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Electrical connecter. 1,874,594; Aug. 30.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Self-locking screw. 1,874,595; Aug. 30.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,874,596; Aug. 30.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,874,597; Aug. 30.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,878,425; Sept. 20.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,882,089; Oct. 11.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Milling cutter. 1,883,158; Oct. 25.
Olson, Charles A., Geneva, assignor to Crane Co., Chicago, Ill. Combined humidifier and radiator cover. Des. 86,047; Jan. 19.
Olson, Charles A., Geneva, assignor to Crane Co., Chicago, Ill. Sectional boiler. 1,856,354; May 3.
Olson, Charles A., Geneva, assignor to Crane Co., Chicago, Ill. Boiler. 1,856,355; May 3.
Olson, Charles J., Muskegon, Mich. Floor surfacing machine. 1,857,564; May 10.
Olson, Charles J., Muskegon, Mich. Floor surfacer. 1,877,031; Sept. 13.
Olson, Claude A., Chicago, Ill., assignor to National Radiator Corporation, Johnstown, Pa. Condenser. 1,854,421; Apr. 19.
Olson, Elmer T., assignor to Benton-Olson Company, Minneapolis, Minn. Grease gun apparatus. 1,858,717; May 17.
Olson, George. (See Upper, Eugene L., assignor.)
Olson, Harry F., Bronx, N. Y., assignor to Radio Corporation of America. Apparatus for converting sound vibrations into electrical vibrations. 1,885,001; Oct. 25.
Olson, Harry F., New York, N. Y., assignor to Radio Corporation of America. System responsive to the energy flow of sound waves. 1,892,044; Dec. 27.
Olson, Harry F., Collingswood, and J. Weinberger, Haddonfield, N. J., assignors to Radio Corporation of America. Sound pick-up device. 1,892,645; Dec. 27.
Olson, Harry R., Minneapolis, Minn. Handle for mattresses. 1,875,121; Aug. 30.
Olson, Herbert O. (See Blood, H. L., and Olson.)
Olson, Ingeborg R., Brooklyn, N. Y., Valve. 1,862,545; June 14.
Olson, John. (See Flink, C. M., and Olson.)
Olson, John, administrator. (See Henckel, Ernest R.)
Olson, John A., Portland, Oreg. Rotary pump. 1,858,681; May 17.
Olson, John A., Cleveland, Ohio. Chuck operating device. 1,871,463; Aug. 16.
Olson, John B. (See Markey, G. T., Olson, and Young.)
Olson, John B. (See Marshall, R., and Olson.)
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Float controlled valve mechanism. 1,844,764; Feb. 2.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Post anchorage. 1,846,650; Feb. 23.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Manger structure. 1,871,598; Aug. 30.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Stop guard for stanchion frames. 1,874,599; Aug. 30.
Olson, John M., and L. E. Nelson, Fargo, N. Dak., assignors to Chamberlin Metal Weather Strip Company, Detroit, Mich. Metal threshold. 1,873,143; Aug. 23.
Olson, John O., Seattle, Wash. Spring hinge. 1,892,584; Dec. 27.
Olson, Louis, Enumclaw, Wash. Oil burner. 1,870,066; Aug. 2.
Olson, Louis W., Chesterton, and M. A. Kolb, Gary, Ind. Dust collector for cement mills. 1,844,591; Feb. 9.
Olson Manufacturing Company. (See Hanson, Casper, assignor.)
Olson, Olaf E., St. Paul, Minn. Bolt. 1,864,211; June 21.
Olson, Olof F. (See Mazurie, J. V., and Olson.)
Olson, Oscar, St. Joseph, Mich. Production of noiseless stops for doors or windows. 1,879,440; Sept. 27.
Olson, Oscar A., Benton, Iowa. Fish lure. 1,875,122; Aug. 30.
Olson, Raymond R., Long Beach, Calif. Watch cleaning machine. 1,879,441; Sept. 27.
Olson, Samuel, Oak Park, Ill. Counting conveyer. 1,881,897; Oct. 11.
Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Control device for pneumatic dispatch tube apparatus. 1,846,449; Feb. 23.
Olson, Samuel, Oak Park, assignor to Samuel Olson & Company Inc., Chicago, Ill. Selective unloader mechanism for elevators. 1,870,583; Aug. 9.
Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Conveyer switching system. 1,881,895; Oct. 11.
Olson, Samuel, Oak Park, Ill., assignor to Samuel Olson & Company, Inc., Chicago, Ill. Conveyer roll. 1,881,896; Oct. 11.

Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Restaurant service conveyer system. 1,881,898; Oct. 11.

Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Selective unloader mechanism for elevators. 1,881,899; Oct. 11.

Olson, Samuel, & Company. (See Olson, Samuel, assignor.)

Olson, Samuel, & Company Inc. (See Olson, Samuel, assignor.)

Olson, William E., Waterloo, Iowa. Door knocker. Des. 86,968; May 17.

Olson, William G. B., Kansas City, Kans. Hydrocarbon burner. mech. illus. 1,865,782; July 5.

Olsson, Bengt, Eltingville, assignor to C. J. O'Neill, New York, N. Y. Oil pumping apparatus. 1,858,682; May 17.

Olt, Leonard, assignor to Crown Cork & Seal Company, Baltimore, Md. Metal cap for closing paper containers. 1,871,917; Aug. 16.

O'Maley, Peter, assignor to F. & N. Lawn Motor Company, Richmond, Ind. Lawn mower. 1,854,859; Apr. 19.

O'Malley, John F., New York, N. Y. Stabilizing device for aircraft. 1,862,421; June 7.

O'Malley, John F., New York, N. Y. Supplemental adjustable wing for aircraft. 1,875,662; Aug. 23.

O'Malley, Louis J., Boston, Mass. Selective separation of ores. 1,891,776; Dec. 20.

Oman, Joseph D., St. Paul, and S. Bright, Minneapolis, Minn. Receptacle. 1,881,900; Oct. 11.

Omara, Edwin H. (See Readeker, W. C., and Omara.)

O'Meara, Thomas, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,885,622; Nov. 1.

Omegna, Arturo, Santiago, Chile. Hand rest. 1,869,910; Aug. 2.

Omer, Harry F., Kansas City, Kans., and M. R. Williams, Kansas City, Mo. Drive axle gearing. 1,888,884; Nov. 22.

Omes Holding Company Limited. (See Benedetto, Giuseppe, assignor.)

Omholdt, Knut, assignor of one-fourth to L. H. Mortensen, Iron Mountain, Mich. Vise. 1,857,001; May 3.

"Omo" Aktiengesellschaft. (See Oberhaensli, Friedrich, assignor.)

Omo, Frank J., New York, N. Y. Internal combustion engine. 1,844,478; Feb. 9.

Omo, Frank J., New York, N. Y. Internal combustion engine. 1,873,015; Aug. 23.

Omo, Frank J., Fort Worth, Tex. Air compressor. 1,873,016; Aug. 23.

Omohundro, Allen L., assignor to Frederick Stearns & Company, Detroit, Mich. Therapeutic agent. 1,890,860; Dec. 13.

Omurei, Fred Y., Honolulu, Hawaii. Apparatus for preparing powdered fish. 1,867,523; July 12.

Ondrasik, Joseph, Jr., Los Angeles, Calif. Wire gymnasium basket. 1,849,505; Mar. 15.

Oneida Community, Limited. (See Allen, G. N., and Kreps, assignors.)

Oneida Community, Limited. (See Allen, G. N., Parker, and Ressegger, assignors.)

Oneida Community, Limited. (See Bedford, E. B., and Parker, assignors.)

Oneida Community, Limited. (See Gray, Daniel, assignor.)

Oneida Community, Limited. (See Gray, D., Bailey, and Murray, assignors.)

Oneida Community, Limited. (See Gray, D., and Northrop, assignors.)

Oneida Community, Limited. (See Hatch, Karl, assignor.)

Oneida Community, Limited. (See Kimble, Ray T., assignor.)

Oneida Community, Limited. (See McCutcheon, Frank G., assignor.)

Oneida Community, Limited. (See Murray, William S., assignor.)

Oneida Community, Limited. (See Pardew, Arthur H., assignor.)

O'Neil, Arthur S., and A. G. Schuricht, Alton, assignors to Western Cartridge Company, East Alton, Ill. Explosive and making same. 1,849,355; Mar. 15.

O'Neil, Arthur S., and A. G. Schuricht, Alton, assignors to Western Cartridge Company, East Alton, Ill. Nitrocellulose explosive and making the same. 1,849,356; Mar. 15.

O'Neil, Arthur S., and A. G. Schuricht, Alton, assignors to Western Cartridge Company, East Alton, Ill. Blasting stick and making the same. 1,849,378; Mar. 15.

O'Neil, Charles M., Hopkins, Minn. Piston skirt expander. 1,850,214; Mar. 22.

O'Neil, Frank S., and E. L. McKinney, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Cotter. 1,843,955; Feb. 9.

O'Neil, James A., Lynn, Mass., assignor to General Electric Company, Refractor. 1,879,442; Sept. 27.

O'Neil, James R., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Automatic can testing machine. 1,865,384; June 28.

O'Neil, James R., San Francisco, Calif. Smoking set. 1,879,634; Sept. 27.

O'Neil, Leo S., Detroit, Mich. Multiple fuse. 1,850,685; Mar. 22.

O'Neil, Leo S., Detroit, Mich. Fuse plug. 1,886,299; Nov. 1.

O'Neil, Sadie, Seattle, Wash. Building. Des. 86,683; Apr. 5.

O'Neill, Charles J. (See Olsson, Bengt, assignor.)

O'Neill, Edward J., Syracuse, N. Y. Machine for making sanitary napkins. 1,845,436; Feb. 16.

O'Neill, Frank, Toledo, Ohio. Glass gathering. 1,852,329; Apr. 5.

O'Neill, Frank, jr., New York, assignor to The Fargo Corporation, Brooklyn, N. Y. Wire pull for bottle caps. 1,855,411; Apr. 26.

O'Neill, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,829,990; Jan. 5.

O'Neill, John W., Chicago, Ill. Radium emanator. 1,853,282; Apr. 12.

O'Neill, Walter J., New York, N. Y. Advertising apparatus. 1,866,170; July 5.

O'Neill, William, Frankford, Pa. Nonglare headlight lens. 1,861,580; June 7.

O'Neill, William J., River Forest, assignor to Mercil Plating Equipment Company, Chicago, Ill. Conveying mechanism. 1,879,819; Sept. 27.

O'Neill, William J., Denver, Colo., and W. E. Irvine, Salt Lake City, Utah. Journal bearings. 1,880,976; Oct. 4.

Onions, Herbert J., assignor to De Luxe Metal Furniture Company, Warren, Pa. Adjustable shelving. 1,880,179; Sept. 27.

Onishi, Heikichi, Keijo, Chosen, Japan. Supervisory signaling system for toll telephone service timing. 1,849,468; Mar. 15.

Onken, Heinrich, Oldenburg, Germany. Circuit testing instrument. 1,865,583; July 5.

Onsrud Machine Works, Inc. (See Onsrud, Oscar, assignor.)

Onsrud, Oscar, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Automatic shaper. 1,855,528; Apr. 26.

Onsrud, Oscar, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Clamp mounting for automatic shapers. 1,867,869; July 19.

Ontario Manufacturing Company. (See Moon, Charles R., assignor.)

Oosterhuis, Ekko. (See Holst, G., and Oosterhuis.)

Oosterhuis, Ekko, and J. M. Unk, Eindhoven, Netherlands, assignors to Radio Corporation of America. Grid-biasing unit fed by alternating current. 1,875,123; Aug. 30.

Oosterhuis, Ekko, and J. G. W. Mulder, assignors to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube. 1,882,032; Oct. 11.

Operadio Manufacturing Co. (See King, Laurence A., assignor.)

Operadio Manufacturing Co. (See King, L. A., and Shotwell, assignors.)

Opfermann, Erich. (See Heimann, Opfermann, Petersen, and Bayerl.)

Opfermann, Erich, Berlin-Charlottenburg, and W. Fischer, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Protective paper strips for daylight loading film rolls. 1,879,443; Sept. 27.

Ophuis, Fred, New York, N. Y., and G. K. Nuss, assignors to Duluth Refrigerator Corporation, Duluth, Minn. Ice rack for refrigerators. 1,864,212; June 21.

Opitz, Fred M., Milwaukee, Wis. Air conditioning device. Des. 86,969; May 17.

Oplinger, Floyd F., Perth Amboy, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Tin plating. 1,841,978; Jan. 19.

Oplinger, Kirk A., Pittsburgh, and W. O. Osbon, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Motion-picture apparatus. 1,873,016; Aug. 23.

Opp, Fred W., Costa Mesa, assignor of one-half to W. C. Collins, Santa Ana, Calif. Apparatus for ray treatment of vegetation. 1,876,737; Sept. 13.

Oppen, Erich, Hannover, Germany, assignor, by mesne assignments, to International Precipitation Company, Los Angeles, Calif. Production of a gaseous catalyst. 1,855,412; Apr. 26.

Oppenheim, René, assignor to Société Anonyme Le Carbone, Gennevilliers, France. Terminal for electric resistances. 1,842,191; Jan. 19.

Oppenheim, Theodore H., assignor to The New Idea Spreader Company, Coldwater, Ohio. Transplanter. 1,851,936; Mar. 29.

Oppenheim, Theodore H., assignor to The New Idea Spreader Co., Coldwater, Ohio. Manure spreader. 1,854,599; Apr. 19.

Oppenheim, Theodore H., assignor to The New Idea Spreader Company, Coldwater, Ohio. Farm wagon. 1,886,722; Nov. 8.

Oppenheimer Casing Company. (See Oppenheimer, Seymour, assignor.)

Oppenheimer, Seymour, assignor to Oppenheimer Casing Company, Chicago, Ill. Sausage casing. 1,871,464; Aug. 16.

Oppenheimer, William S., St. Petersburg, Fla. Detergent. 1,885,133; Nov. 1.

Oppenländer, Karl, Waiblingen, Germany. Collapsible dinner or tea wagon. 1,891,393; Dec. 20.

Oppy, Alwyn G., assignor to American Coal Cleaning Corporation, Welch, W. Va. Antigravity middling chute attachment for pneumatic coal cleaning tables. 1,888,933; Nov. 22.

Oppy, Maive A., assignor to Air Washers, Inc., Welch, W. Va. Separator. 1,846,897; Feb. 23.
Orum, Edwin, Dallas, Tex. Top. 1,858,639; May 17.
Orange-Brush Company. (See Bost, William D., assignor.)
Oranges, Antonio, New York, N. Y. Synchronous drive for sound records. 1,841,377; Jan. 19.
Orbis Products Trading Co. (See Wotherspoon, Robert, assignor.)
Orbon Stove Co. (See Herrenbruck, Herman, assignor.)
Orchestraphone Company. (See Cloud, Raymond T., assignor.)
Ord, John W., Cleveland, Ohio. Irrigation system. 1,890,337; Dec. 6.
Orear, Vincent M., assignor, by mesne assignments, to Ardee Patents Corporation Evansville, Ind. Forming ice cream cones. 1,859,046; May 17.
Oregon Textile Machines, Inc. (See McDougall, George F., assignor.)
Orelind, John R., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Vehicle tore-carriage. 1,846,651; Feb. 23.
Orem, Frederick S., Baltimore, Md. Air cleaner. 1,871,908; Aug. 16.
Oren, Fred B. (See Mautz, W. P., and Oren.)
Orenda Corporation. (See Moone, Albert E. F., assignor.)
Orenda Corporation. (See Oxhandler, Leopold, assignor.)
Orenda Corporation. (See Smith, Swan, assignor.)
Orenstine, Benson, A. L. Rothschlager, and H. Reinschrieber. Philadelphia, Pa. Combination lamp stand and beverage set. Des. 88,104; Oct. 25.
Orent, Jacob L., Brooklyn, N. Y. Garment. 1,884,159; Oct. 25.
Orford Soap Company, The. (See Hendrickson, Victor, assignor.)
Orford Soap Company, The. (See Snow, George E., assignor.)
Orgitano, Nick, Lebanon, Pa. Combined shoe sole channeling and rough cutting machine. 1,853,992; Apr. 12.
Oriental Compressol Co. Ltd., The. (See Tada, Rengo, assignor.)
O'Riley, William J., Pontiac, Mich. Baffling device. 1,842,625; Jan. 26.
Orkin, Ernest M., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,169; Nov. 1.
Orkin, Ernest M., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,170; Nov. 1.
Orkin, Ernest M., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,171; Nov. 1.
Orkin, Samuel, assignor to Calwiss Industries, Ltd., Beverly Hills, Calif. Prow construction for boats. 1,859,374; May 24.
Orkin Grube-Aktiebolag. (See Borchgrevink, Otto F., assignor.)
Orlando, Ernest. (See Bond, Percy C. and A. F., and Orlando.)
Orlick, John J., St. Louis, Mo. Sales service rack. 1,884,160; Oct. 25.
Orloff, Arthur, assignor to Northwest Engineering Corporation, Green Bay, Wis. Excavating apparatus. 1,852,258; Apr. 5.
Orlopp, Piatt M., Chicago, Ill. Mixing plastic or fluid substances. 1,885,757; Nov. 1.
Ormandy, William S., London, England. Recovery of acetone. 1,875,124; Aug. 30.
Ormondroyd, Jesse. (See Short, I., and Ormondroyd.)
Ornberg, Ivan, assignor to Hupp Motor Car Corporation, Detroit, Mich. Fender and hood construction for motor vehicles. 1,862,388; June 7.
Orne, Stephen W., Fostoria, Ohio, assignor to National Carbon Company, Inc. Arc lamp electrode. 1,867,524; July 12.
Orno-Ornfeldt, Eduard, Berlin-Charlottenburg, and M. Loew, Berlin, Germany. Improving South American maté. 1,881,227; Oct. 4.
O'Rourke, John F., New York, N. Y. Tunneling. 1,839,888; Jan. 5.
O'Rourke, John F., New York, N. Y. Tunnel or conduit lining. 1,889,563; Nov. 29.
O'Rourke, Tex, assignor, by mesne assignments, to Card Display, Inc., New York, N. Y. Display stand and card. 1,881,372; Oct. 4.
O'Rourke, Tex, assignor, by mesne assignments, to Card Display, Inc., New York, N. Y. Display device. 1,888,564; Nov. 22.
O'Rourke, Tex, assignor, by mesne assignments, to Card Display, Inc., New York, N. Y. Card display stand. 1,888,565; Nov. 22.
Orr, Adele M., et al. (See Orr, William V.)
Orr, Adele M., et al., executors. (See Orr, William V.)
Orr, Alfred B., Belleville, Ill. Liquid clarifier. 1,865,480; July 5.
Orr, Benjamin F. (See Brossard, J. A., Orr, and Spence.)
Orr, Harry T., Charlotte, N. C. Advertising display wheel. 1,854,599; Apr. 19.
Orr, Henry F. (See Walker, W. T., and Orr.)
Orr, Melville L., Cincinnati, Ohio. Safety paying teller's window. 1,875,649; Sept. 6.
Orr, Thomas H., Okmulgee, Okla. Transmission gear. 1,861,480; June 7.
Orr, Thomas H., Okmulgee, Okla. Workholder for boring machines. 1,887,379; Nov. 8.
Orr, William V., deceased, Cleveland Heights, Ohio; The Cleveland Trust Company and A. M. Orr, executors. Adjustable crank pin. 1,847,048; Feb. 23.
Orr, William V., deceased, Cleveland Heights, Ohio; The Cleveland Trust Company and A. M. Orr, executors. Centrifugal drier. 1,854,621; Apr. 19.
Orr, William V., deceased, Cleveland Heights, Ohio; The Cleveland Trust Company and A. M. Orr, executors. Variable speed gearing. 1,854,622; Apr. 19.
Orr, William V., deceased, Cleveland, Ohio; The Cleveland Trust Company and A. M. Orr, executors. Suction cleaner. 1,856,136; May 3.
Orr, William V., Cleveland Heights, Ohio; The Cleveland Trust Company and A. M. Orr, executors. Massage apparatus. 1,884,161; Oct. 25.
Orsett, Coy, Boston, Mass. Vehicle suspension. 1,887,718; Nov. 15.
Örström, Gustaf. (See Johnson, B. A. E., and Örström.)
Orstrom, Gustaf, Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Magazine for machines for making cigarettes and other staff-shaped articles. 1,851,922; Mar. 29.
Örström, Gustaf, Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Controlling device for cigarette packaging machines. 1,868,583; July 26.
Ortega, Carlos, New York, N. Y. Cooking plant for cafeteria. 1,873,143; Aug. 23.
Ortell, Frank, New York, N. Y. Scarf. Des. 88,478; Nov. 29.
Orth, Andrew J., assignor to Zola Banquetier Company, Inc., Cleveland, Ohio. Plate rack. 1,888,141; Nov. 15.
Orth, George W., Philadelphia, Pa. Building flashing. 1,877,425; Sept. 13.
Orth, Orwen W., and C. P. Griswold, Sedro Woolley, Wash. Animal trap. 1,843,141; Feb. 2.
Orth, William. (See Martin, C. A., and Orth.)
Orth, William G., assignor to Ohmer Fare Register Company, Dayton, Ohio. Taximeter. 1,853,875; Apr. 12.
Orthmann, August J., assignor to C. P. Vogel, Milwaukee, Wis. Leather and making the same. 1,865,783; July 5.
Orthner, Ludwig, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vulcanization accelerator. 1,869,862; Aug. 2.
Orthwine, Rudolf, New York, N. Y. Paper fastener. 1,860,155; May 24.
Orthwine, Rudolph, New York, N. Y. Partition base. 1,863,351; June 14.
Orthwine, Rudolph, New York, N. Y. Fastener. 1,863,381; June 14.
Orthwine, Rudolph, New York, N. Y. Display device. 1,874,705; Aug. 30.
Ortis, Julius, et al. (See Ralthasar, Karl, assignor.)
Orton, Albert W., Utica, assignor to American La France Foamite Corporation, New York, N. Y. Fire extinguisher. 1,854,218; Apr. 19.
Orton, Clarence L. (See Elder, Parham M., and Orton.)
Orton, Frank A., Cremorne, near Sydney, and R. C. Thorne, Mosman, near Sydney, New South Wales, Australia. Collapsible tent. 1,872,811; Apr. 19.
Ortt, Rowley K., Dixon, Ill. Hedge trimmer and the like. 1,877,032; Sept. 13.
Osad, Charles. (See Merdan, Alexander, assignor.)
Osann, Frederick, Company. (See Morris, Harold W., assignor.)
Osann, Frederick, Company. (See Osann, F., and Plumley, assignors.)
Osann, Frederick, Company. (See Plumley, Raymond L., assignor.)
Osann, Frederick, White Plains, and R. L. Plumley, Brooklyn, assignors to Frederick Osann Company, New York, N. Y. Portable sewing machine carrying case. 1,875,177; Aug. 30.
Osbon, William O. (See Oplinger, K. A., and Osbon.)
Osborg, Hans, Frankfort-on-the-Main, Germany. Lithium alloys and products resulting from the same. 1,869,493; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Composition containing lithium and silicon and producing same. 1,869,494; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Treating molten metals and alloys with compositions containing lithium and products resulting from such treatment. 1,869,495; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Treating metals. 1,869,496; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Treating molten ferrous metals and alloys with compositions containing "lithium-alkali" alloys and products resulting from such treatments. 1,869,497; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Treating molten copper and copper alloys with compositions containing "lithium-alkali" alloys and products resulting from such treatments. 1,869,498; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Treating molten nickel and nickel alloys with compositions containing "lithium-alkali" alloys and products resulting from such treatments. 1,869,499; Aug. 2.

Osborg, Hans, Frankfort-on-the-Main, Germany. Treating metals. 1,869,979; Aug. 2.
Osborg, Hans, Frankfort-on-the-Main, Germany. Treating molten metals and alloys with compositions containing lithium and products resulting from such treatment. 1,869,980; Aug. 2.
Osborn, Alexander C., Jr., Clarksburg, W. Va. Gas cupola furnace. 1,876,260; Sept. 6.
Osborn, Arthur E., Marion, Ind. Stationery portfolio. 1,859,949; May 24.
Osborn Brothers. (See Osborn, Harry W., assignor.)
Osborn, Chester J., Altamont, N. Y. Chart. 1,840,208; Jan. 5.
Osborn, George W., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Gauge cock. 1,887,213; Nov. 8.
Osborn, Harry W., Evanston, assignor to Osborn Brothers, Chicago, Ill. Hat size measuring device. 1,854,860; Apr. 19.
Osborn, Henry C., Cleveland, Ohio, assignor, by mesne assignments, to Multigraph Company, Wilmington, Del. Ribbon-feed for printing machines. 1,887,184; Nov. 8.
Osborn Manufacturing Company, The. (See Forker, James B., jr., assignor.)
Osborn Manufacturing Company. (See Oyster, Earl F., assignor.)
Osborn Manufacturing Company, The. (See Spikerman, Frank T., assignor.)
Osborn, Robert B., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aeroplane wing structure. 1,856,090; May 2.
Osborn, Robert B., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aerofoil operating mechanism. 1,869,211; July 26.
Osborn, Roy T., et al. (See King, George W., assignor.)
Osborn, Vern M., Los Angeles, Calif. Traffic signal device. 1,875,350; Sept. 6.
Osborn, William C. (See Stout, H. H., jr., and Osborn.)
Osborne, Fred H., Chicago, Ill., assignor, by mesne assignments, to Grigsby-Grunow Company. Refrigerator. 1,859,202; Nov. 1.
Osborne, George E. (See Daniell, George J., assignor.)
Osborne Guy S., Chauncey, assignor of one-tenth to H. B. Noble, Athens, Ohio. Photographic exposure meter. 1,858,340; May 17.
Osborne, Harold A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,872,325; Aug. 16.
Osborne, Harrison. (See Dudley, J. G., and Kreer, assignors.)
Osborne, John F., Upper Darby, Pa. Electric mold. 1,864,866; June 28.
Osborne, Lewis B., et al. (See Duber, John A., assignor.)
Osborne, Lonnie E. (See Marsden, W. H. R., and Osborne.)
Osborne, Lonnie E., deceased, Pittsburgh, Z. G. Osborne, Executrix, executrix, assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,850,766; Mar. 22.
Osborne Process, Inc. (See Osborne, William L., assignor.)
Osborne, Raymond S., Sewickley, Pa. Riveter. 1,847,889; Mar. 1.
Osborne, Raymond S., Sewickley, Pa. Electric welding apparatus. 1,847,890; Mar. 1.
Osborne, Raymond S. (See Jerabek, T. E., and Osborne.)
Osborne, Samuel C., Cleveland Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding mechanism. 1,840,735; Jan. 12.
Osborne, Samuel C., Cleveland Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Electrical relay. 1,877,480; Sept. 13.
Osborne, Virgil P., Fort Worth, Tex. Windshield. 1,846,434; Feb. 23.
Osborne, Willard B. (See Gould, W. S., and Osborne.)
Osborne, William L., assignor to Osborne Process, Inc., Los Angeles, Calif. Apparatus for cleaning lubricant cases of engines. 1,884,819; Oct. 25.
Osborne, William L., assignor to Osborne Process, Inc., Los Angeles, Calif. Cleaning lubricant containers. 1,884,820; Oct. 25.
Osborne, Zollie G., executrix. (See Marsden, W. H. R., and Osborne.)
Osborne, Zollie G., executrix. (See Osborne, Lonnie E.)
Osbourne, Alan, San Francisco, Calif. Method and apparatus for indicating and regulating the viscosity of materials. 1,888,431; Nov. 22.
Osbourne, Richard B., assignor to Phillips Mine & Mill Supply Company, Pittsburgh, Pa. Brake mounting. 1,851,644; Mar. 29.
Osbrink, Raymond H., Los Angeles, Calif. Traffic marker. Des. 87,019; May 24.
Osbrink, Raymond H., Los Angeles, Calif. Game board. Des. 87,938; Oct. 11.
Oser, Adam, and Laurent, Lyon, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Process for the manufacture of 1-phenyl-2,3-dimethyl-5-pyrazolone. 1,859,002; May 17.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,849,310; Mar. 15.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,875,351; Sept. 6.

Osgood, George H., Tacoma, Wash. Pressure bar for veneer machines. 1,845,515; Feb. 16.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hauling mechanism. 1,854,422; Apr. 19.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,884,821; Oct. 25.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Seam-pressing machine. 1,850,120; Mar. 22.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Seam pressing machine. 1,881,414; Oct. 4.
O'Shea, James, Detroit, Mich. Advertising and displaying machine. 1,842,422; Jan. 26.
Osinga, Thomas J., Chicago, Ill. Fascia plate installation; 1,867,230; July 12.
Osius, Frederick J., Miami, Fla. Electric cooker. Des. 86,400; Mar. 1.
Osius, Frederick J., Miami, Fla. Electric cooker. Des. 86,401; Mar. 1.
Osius, Frederick J., Miami, Fla. Electric cooker. Des. 86,402; Mar. 1.
Osius, Frederick J., Miami, Fla. Combination cooking and serving dish. Des. 86,970; May 17.
Osius, Frederick J., Miami, Fla. Combination cooking and serving dish. Des. 87,676; Aug. 30.
Osius, Frederick J., Miami, Fla. Combination cooking and serving dish. Des. 87,677; Aug. 30.
Osius, Frederick J., Miami, Fla. Electric cooker. Des. 87,731; Sept. 20.
Oskow, Louis, assignor of one-half to M. Kirschstein, Brooklyn, N. Y. Wheeled toy. 1,873,719; Aug. 13.
Osland, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Labeling machine. 1,849,643; Mar. 15.
Osland, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Label dating device. 1,855,487; Apr. 26.
Osland, John E., Hartford, Conn. Die maker's template holder. 1,886,300; Nov. 1.
Osman, Ralph T., assignor to Koehring Company, Milwaukee, Wis. Tractor. 1,865,133; June 28.
Osman, Ralph T., assignor to Koehring Company, Milwaukee, Wis. Tractor transmission brake and clutch control mechanism. 1,865,134; Oct. 24.
Osmer, James H. (See Halloran, R. A., Chappell, and Osmer.)
Osmer, James H., El Segundo, assignor to Standard Oil Company of California, San Francisco, Calif. Process for the treatment of hydrocarbon oils with aluminum chloride. 1,881,901; Oct. 11.
Osmer, James H., Berkeley, and P. L. Craise, El Segundo, assignors to Standard Oil Company of California, San Francisco, Calif. Method and apparatus for treating oils. 1,864,795; June 28.
Osmun, Horace E., H. W. Rubinstein, and E. R. Stoekle, assignors to Central Radio Laboratories, Milwaukee, Wis. Radioreceiver. 1,816,916; Jan. 26.
Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Static frequency changer. 1,860,050; May 24.
Osnos, Mendel, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generator. 1,860,050; May 24.
Osnos, Mendel, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency multiplication. 1,890,527; Dec. 13.
Ossanni, Johann, and H. Granet, Munich, and F. Hofmann, Munich-Talkirchen, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Compensating the reactance of inductive windings. 1,863,065; June 14.
Osse, Johanes A. F., Sheldon, Iowa. Gravity and force feed pump. 1,856,382; May 3.
Osse, Johanes A. F., Sheldon, Iowa. Device for spreading and enlarging motor pistons. 1,875,822; Sept. 6.
Ossenbeck, Anton. (See Hecht, G., Ossenbeck, and Tietze.)
Ossenbeck, Anton. (See Hentrich, W., Hardtman, and Ossenbeck.)
Ossenbeck, Anton. (See Hentrich, W., Ossenbeck, and Tietze.)
Ossenbeck, Anton. (See Hentrich, W., Tietze, Ossenbeck, and Backes.)
Ossenbeck, Anton, Cologne-Mulheim, E. Tietze, Cologne/Rhine, and G. Hecht, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Iodo methane sulphonic acid and homologues thereof. 1,842,626; Jan. 26.
Ossenbeck, Anton, Cologne-Mulheim-on-the-Rhine, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New water soluble diazo amino compounds. 1,867,088; July 12.
Ossenbeck, Anton, Cologne-Mulheim-on-the-Rhine, W. Hentrich, Wiesdorf-on-the-Rhine, and E. Tietze, Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphonated isatolc acid anhydride and making same. 1,887,820; Nov. 15.
Ossing, Stanley F., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable unloading machine. 1,874,600; Aug. 30.

Ost, Karl. (See Balle, G., and Ost.)
Ost, William R., Verona, and P. S. Lawrence, Dunellen, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Circumferential pipe cutting or welding apparatus. 1,879,444; Sept. 27.
Ostdiek, Clarence J. (See Ostdiek, Herman J. and C. J.)
Ostdiek, Herman J. and C. J., Minneapolis, Minn., assignors of one-tenth to M. E. Hanke. Mop. 1,849,150; Mar. 15.
Osteen, Belmont D., Columbus, Ga., assignor to Tom Huston Peanut Company, Bag seal. 1,889,001; Nov. 29.
Oster, Eugene, Norwood, Ohio. Refrigeration. 1,844,522; Feb. 9.
Oster, Jack, Greeley, Colo. Grain saving attachment for binders and harvesters. 1,868,428; July 19.
Oster, John, assignor to John Oster Mfg. Company, Racine, Wis. Unitary cutting assembly for hair clippers. 1,888,688; Nov. 22.
Oster, John and O. E. Lackner, assignors to John Oster Manufacturing Company, Racine, Wis. Hand operated hair clipper. 1,875,125; Aug. 30.
Oster, John, Mfg. Company. (See Oster, John, assignor.)
Oster, John, Manufacturing Company. (See Oster, John, and Lackner, assignors.)
Oster Manufacturing Company, The. (See Hyde, Ralph E., assignor.)
Osterberg, Eric. (See Pauly, Remigius, assignor.)
Osterberg, Karl E. R., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Device for inserting saw blades into saw frames. 1,868,845; July 26.
Osterberg, Pontus, San Jose, Calif. Electric motor support.
Osterdahl, Martin, Chicago, Ill., assignor of one-half to Gunnard Hultman, Fond du Lac, Wis. Scaffold attachment and safety device for ladders. 1,881,902; Oct. 11.
Osterheld, Clark M., Stoughton, Wis., assignor, by mesne assignments, to Waters-Genter Company, Minneapolis, Minn. Control device. 1,868,332; June 28.
Osterhoim, William C., assignor to Wilcox Products Corporation, Detroit, Mich. Forming valve tappets. 1,842,110; Jan. 19.
Ostermann, Walter, Oschersleben, Germany, assignor, by mesne assignments, to Travis Process Corporation, Jersey City, N. J. Colloid mill. 1,885,283; Nov. 1.
Ostermeier, Johannes, Altchgenenberg, Germany, assignor, by mesne assignments, to General Electric Company. Flash lamp. Re18,678; Dec. 6.
Ostern, David. (See Lucks-Ostern, E., Greenwald, and Ostern.)
Ostersetzer, Alfons, Klosterneuburg, and F. Riesenfeld, Vienna, Austria, assignors, by mesne assignments, to Pollopas Limited, Nottingham, England. Manufacture of phenol for maldehyde condensation products. 1,855,199; May 10.
Ostersetzer, Alphons. (See Pollak, F., and Ostersetzer, assignors.)
Osterstrom, Rudolph C. (See Watson, C. B., and Osterstrom.)
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Cracking hydrocarbon oils. 1,860,199; May 24.
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Treating hydrocarbons. 1,884,163; Oct. 25.
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Polymerizing unsaturated hydrocarbon oils. 1,891,106; Dec. 13.
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Polymerizing hydrocarbon oils. 1,891,107; Dec. 13.
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Oil purifying system. 1,891,109; Dec. 13.
Osterstrom, Rudolph C., Chicago, Ill., and R. T. Tucker, Muskogee, Okla., assignors to The Pure Oil Company, Chicago, Ill. Still. 1,873,783; Aug. 23.
Osterstrom, Rudolph C., and C. R. Wagner, assignors to The Pure Oil Company, Chicago, Ill. Treating cracked petroleum distillates. 1,891,108; Dec. 13.
Ostertag, Georg, assignor to the Firm "Durand & Huguenin S. A.", Basel, Switzerland. Mordant dyestuffs and process of making same. 1,849,650; Mar. 8.
Ostertag, Georg, assignor to the Firm Durand & Huguenin S. A., Basel, Switzerland. Mordant dyestuffs and making same. 1,849,787; Mar. 15.
Ostertag, Julius, Stuttgart, Germany. Water purification for locomotives. 1,883,856; Oct. 18.
Osthoff, Walter, Barmen, Germany. Burning heavy oils. 1,874,341; Aug. 30.
Ostler, Ernest S., Chicago, Ill., assignor, by mesne assignments, to Stromberg Electric Company. Ribbon feed mechanism. 1,848,494; Mar. 8.
Ostlind, Edward, Oakland, Calif. Counterboring tool. 1,840,736; Jan. 12.
Ostlind, Edward, Oakland, Calif. Depth gauge. 1,854,346; Apr. 19.
Ostline, John E., Berwyn, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Multioffice telephone system. Re18,688; Dec. 6.
Ostline, John E., Berwyn, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Measured service telephone system. 1,858,863; May 17.
Ostline, John E., Chicago, Ill., R. Taylor, Liverpool, and C. E. Beale, London, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,889,564; Nov. 29.
Ostline, John E., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,855,727; Apr. 26.
Ostline, John E., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,871,079; Aug. 9.
Ostrander, Arthur E., Jr., assignor to Houdry Process Corporation, New York, N. Y. Liquid-feeding means. 1,879,635; Sept. 27.
Ostrander, Charles L. (See Klauer, W. E., and Ostrander.)
Ostrander, John E., Scarsburg, N. Y. Ice creeper. 1,848,968; Mar. 8.
Ostro Products Corporation of America. (See Ostromislensky, Iwan, assignor.)
Ostro Research Laboratories, Inc. (See Ostromislensky, Iwan, assignor.)
Ostrom, Benjamin, Gardner, Mass. Cushion. 1,873,212; Aug. 23.
Ostrom, David S., Kansas City, Kans, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Comb banger straightening method and device. 1,870,584; Aug. 9.
Ostromislensky, Ivan, New York, N. Y., and W. A. Gibbons, Montclair, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Producing vitreous polymerized styrol from mixtures of styrol with materials. 1,855,413; Apr. 26.
Ostromislensky, Iwan, assignor to Ostro Products Corporation of America, New York, N. Y. Hydrazo compounds and method of preparation. 1,863,763; June 21.
Ostromislensky, Iwan, assignor to Ostro Research Laboratories, Inc., New York, N. Y. Purified phenylenediazo-bismeta-phenylene-diamene. 1,867,587; July 19.
O'Stroske, Frank J., deceased, Columbus, Ohio, H. O'Stroske, administratrix. Plug valve. 1,841,050; Jan. 12.
O'Stroske, Helen, administratrix. (See O'Stroske, Frank J.)
Ostruk, Paul, Yonkers, N. Y. Automobile top construction. 1,847,781; Mar. 1.
Ostwald, Fred A., Los Angeles, Calif. Dispenser for liquids. Des. 88,172; Nov. 1.
O'Sullivan, St. John, San Juan Capistrano, Calif. Sundial construction. Des. 88,171; Sept. 6.
Oswald, André. Paris, France, assignor, by mesne assignments, to Keller-Dorian Colorfilm Corporation, New York, N. Y. Projection of films for projection of colors. 1,855,198; Apr. 26.
Oswald, André, Paris, France, assignor, by mesne assignments, to Keller-Dorian Colorfilm Corporation, New York, N. Y. Reproducing films. 1,874,060; Aug. 30.
Oswald, Arthur A., East Orange, N. J., assignor, by mesne assignments, to American Telephone & Telegraph Company. System including space discharge device. Re18,501; June 21.
Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric discharge apparatus. 1,874,707; Aug. 30.
Oswald, Earl P., and F. X. Bonem; said Oswald assignor to G. B. Redmanship, Detroit, Mich. Fuel economizer for internal combustion engines. 1,855,923; Apr. 26.
Oswald, Louis J., Chicago, Ill. Floating deck for oil storage tanks. 1,890,189; Dec. 6.
Oswald, Louis C., assignor to Delco-Light Company, Dayton, Ohio. Carburetor. 1,891,238; Dec. 20.
Oswald, Marcel, Nanterre, assignor to Compagnie Lorraine de Charbonnages, l'Electricite, Paris, France. Arc lamp electrode. 1,862,422; June 7.
Oswalt, George L., Forest Park, Ill. Insulating building material. 1,862,702; June 14.
Oswego Falls Corporation. (See Swentor, August W., assignor.)
Oswego Falls Corporation. (See Wright, W. L., and Pierce, assignors.)
Oswell, Benjamin M., Los Angeles, Calif. Measuring and dispensing container. 1,859,109; May 17.
O'Toole, Edward, Gary, W. Va., Screening and concentrating apparatus. 1,888,636; Nov. 22.
Otero, Juan A., La Plata, Argentina. Luminous tube. 1,849,469; Mar. 15.
Othmer, Donald F. (See Clarke, H. T., and Othmer.)
Othmer, Donald F., assignor to Eastman Kodak Company, Rochester, N. Y. Removing tar from pyroligneous liquids. 1,866,719; July 12.
Othmer, Donald F., assignor to Eastman Kodak Company, Rochester, N. Y. Crystallising salts from solutions containing them. 1,879,445; Sept. 27.
Othmer, Donald F., assignor to Eastman Kodak Company, Rochester, N. Y. Composition for removing surface finishes. 1,884,164; Oct. 25.
Oths, Peter J., West Haven, Conn. Mail box. Des. 88,048; Jan. 19.
Otis, Albert N. (See Ipsen, C. L., and Otis.)
Otis Company. (See Hamill, Virginia, assignor.)
Otis Elevator Company. (See Andres, Charles M., assignor.)
Otis Elevator Company. (See Boedtcher, Franz A., assignor.)
Otis Elevator Company. (See Brady, Thomas, assignor.)

Otis Elevator Company. (See Dunn, Edward L., assignor.)
Otis Elevator Company. (See Graham, J. M., and Norton, assignors.)
Otis Elevator Company. (See Grosvenor, Graham B., assignor.)
Otis Elevator Company. (See Lucas, William B., assignor.)
Otis Elevator Company. (See Norton, Clifford, assignor.)
Otis Elevator Company. (See Palm, Blake, assignor.)
Otis Elevator Company. (See Prince, Arthur E., assignor.)
Otis Elevator Company. (See Sanford, Selden B., assignor.)
Otis Elevator Company. (See Werner, Herman C., assignor.)
Otis Elevator Company. (See Yearsley, Eugene W., assignor.)
Otis, Herbert C., Shreveport, La. Control head. 1,854,058; Apr. 12.
Otis, Herbert C., Shreveport, La. Tubing plug. 1,874,114; Aug. 30.
Otis, Herbert C., Shreveport, La. Temporary seal for well tubing. 1,884,165; Oct. 25.
Otis, Joseph E., jr., Winnetka, Ill., assignor to Alemite Corporation. Lubricating apparatus. 1,852,058; Apr. 5.
Otis Steel Company, The. (See Shanafelt, D. M., Nisbet and Shonkwiler, assignors.)
Otsuka, Eiichi, and K. Saegusa, Tokyo, Japan. Manufacturing peroxide active material for the alkaline storage batteries. 1,884,166; Oct. 25.
Otsuki, Kisaburo, Oakland, Calif. Reading desk 1,849,960; Mar. 15.
Ott, A., the Firm. (See Ott, L., and Adler, assignors.)
Ott, Alexander, Scranton, Pa. Electric filling feeler for looms. 1,872; Dec. 20.
Ott, Conrad L., and H. E. Balsiger, assignors to Landis Tool Company, Waynesboro, Pa. Spindle reciprocating mechanism. 1,844,791; Feb. 9.
Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Opaque projection apparatus. 1,848,378; Mar. 8.
Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Projection apparatus. 1,849,151; Mar. 15.
Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Adjusting mechanism for microscope stages and the like. 1,891,052; Dec. 13.
Ott, John E. (See Bird, A. L., and Ott.)
Ott, John E. (See MacChesney, C. M., Norton, and Ott.)
Ott, John E., assignor to Acme Steel Company, Chicago, Ill. Strap seal and forming the same. 1,891,239; Dec. 20.
Ott, John E., Chicago, Ill., and W. E. Close, Philadelphia, Pa., assignor to Acme Steel Company, Chicago, Ill. Paper roll and method therefor. 1,861,874; June 7.
Ott, John T. (See Garling, R. A., and Ott.)
Ott, Karl, and H. Schüssler, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of yellow iron oxide pigments. 1,840,326; Jan. 12.
Ott, Ludwig, Kempten, and H. Adler, Frankfort-on-the-Main, assignors to the Firm A. Ott, Kempton, Germany. Integrator. 1,886,576; Nov. 8.
Ott, Thomas C., Berkeley, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oil. 1,847,623; Mar. 1.
Ottawa River Paper Company. (See Broderick, George H., assignor.)
Ottawa River Paper Company, The. (See Richards, Ralph N., assignor.)
Ottawa Steel Products, Inc. (See Swanson, Harry J., assignor.)
Otte, Thomas, Tarentum, Pa. Compartment. 1,891,394; Dec. 20.
Otte, Werner F., New York, N. Y. Collapsible and portable traffic signal. 1,843,956; Feb. 9.
Otten, Benjamin, Wauwatosa, Wis., assignor to Milwaukee Stamping Company, Milwaukee, Wis. Bag frame. 1,866,483; July 5.
Otten Brothers Company. (See Otten, Elmer G., assignor.)
Otten, Elmer G., Detroit, Mich., assignor to Otten Brothers Company. Die cast. 1,889,261; Nov. 29.
Otten, Lawrence S., Cincinnati, Ohio. Necktie. 1,890,001; Dec. 6.
Otten, Wilhelm, Stuttgart, Germany. Gramophone. 1,862,800; June 14.
Ottenheimer, Helen L., Chicago, Ill. Device for holding baby in bed. 1,858,787; May 17.
Ottenheimer, Reubel E. (See Ahrens, Edwin J., assignor.)
Ottenheimer, Reuben E. (See Frederick, R. E., and Hill, assignors.)
Ottenheimer, Reuben E., Baltimore, Md. Ventilating hood for show case lights. 1,849,634; Mar. 15.
Ottenheimer, Reuben E., Baltimore, Md. Refrigerator. 1,877,685; Sept. 13.
Ottens, Berthold. (See Mueller-Cunradi, M., and Ottens.)
Ottenstein, Friedrich, Nuremberg, Germany. Track for toy railways. 1,840,914; Jan. 12.
Ottenstein, Friedrich, Nuremberg, Germany. Device for bending toy rails. 1,857,325; May 10.
Ottenstein, Friedrich, Nuremberg, Germany. Electric toy railway track. 1,868,584; July 26.
Ottenstein, Friedrich, Nuremberg, Germany. Electric toy railway. 1,870,526; Aug. 9.
port. 1,846,903; Feb. 23.
Otterson, Oscar, Butler, Pa. Pipe coupling. 1,888,539; Nov. 22.
Ousdahl, Adolph, Seattle, Wash., assignor to Automatic Coal Burner Co. Coal burning apparatus. 1,886,677; Nov. 8.
Otting, Herbert E., Westerville, assignor to M and R Dietetic Laboratories, Inc. Milk product. 1,882,028; Oct. 11.
Ottinger, Leon. (See Tournier, C. A., and Goodman, assignors.)
Ottinger, Nathan, New York, N. Y. Hand bag. Des. 86,049; Jan. 19.
Ottinger, Nathan, New York, N. Y. Hand bag. Des. 86,050; Jan. 19.
Ottinger, Nathan, New York, N. Y. Vanity case or analogous article. Des. 87,678; Aug. 30.
Ottinger, Nathan, New York, N. Y. Brief case, portfolio, or similar container. 1,861,974; June 7.
Ottinger, Nathan, New York, N. Y. Combined bill fold and coin purse. 1,865,881; July 5.
Ottinger, Nathan, New York, N. Y. Brief case or portfolio. 1,877,054; Sept. 20.
Ottinger, Nathan, New York, N. Y. Original package. 1,877,955; Sept. 20.
Otto, Albert T., & Sons. (See Ter Meer, Gustav, assignor.)
Otto, Albert T., & Sons, Inc. (See Spalding, John, assignor.)
Otto, Arthur J., assignor to Johnson Service Company, Milwaukee, Wis. Temperature regulation. 1,859,407; May 24.
Otto, August, Sandwich, Ill. Milk stirrer. 1,872,326; Aug. 16.
Otto, Carl, Essen-Bredeney, Germany. Apparatus for the regulation of pressure in the coking chambers of coke ovens. 1,847,093; Mar. 1.
Otto, Carl, Hellerup, Denmark. Regenerative coke oven. 1,858,229; May 10.
Otto, Carl, Bochum, Germany. Regenerative coke oven. 1,887,214; Nov. 8.
Otto, Curt, New York, N. Y. Vehicle tire pump. 1,859,284; Nov. 1.
Otto, Edward H., Detroit, Mich. Bake oven. 1,859,217; May 17.
Otto, Fritz, Dusseldorf, Germany. Flexible suspension for rope hoisting equipment and in particular for mine cage winding. 1,884,981; Oct. 25.
Otto, Henry S., et al. (See Acappli, Albert, assignor.)
Otto, Henry J., Moberly, Mo. Signaling whistle. 1,859,408; May 24.
Otto, Kurt W., Bad Pyrmont, Germany. Playing court. 1,862,423; June 7.
Otto, Michael. (See Hofmann, F., Otto, and Stegemann.)
Otto, Michael, Ludwigshafen-on-the-Rhine, and L. Bub, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of volatile fluorides. 1,865,204; June 28.
Otto, Theodore H., Brooklyn, N. Y. Display rack. 1,890,947; Dec. 13.
Otto, Wolfgang T., New York, N. Y. Building construction. 1,847,891; Mar. 1.
Otton, Edward, London, England. Cock or the like. 1,855,414; Apr. 26.
Otton, Edward, assignor to International Patents, Ltd., London, England. Sealing means for stop valves, cocks, faucets, and the like. 1,845,002; Feb. 16.
Otrosinka, Louis, assignor of one-half to Steven Juhasz, Tonawanda, N. Y. Rail fastener. 1,880,180; Sept. 27.
Ottumwa Box Loader Co. (See Phillips, Howard A., assignor.)
Otwell, Hiram C., San Francisco, Calif. Mounting for aircraft motors. 1,844,521; Feb. 9.
Otwell, Ralph B., Detroit, Mich. Pattern planting strip and mulch. 1,846,274; Feb. 23.
Ouisman, Stewart B., Los Angeles, and E. V. Crayne, Venice, Calif. Venetian blind control. 1,848,742; Mar. 8.
Oulton, Charles B., Attleboro, Mass., assignor to Plastic-Craft Novelty Company, Inc. Coaster. Des. 86,329; Feb. 23.
Oulton, Charles B., Attleboro, Mass., assignor to Plastic-Craft Novelty Company, Inc. Pencil sharpener. 1,887,422; Nov. 8.
Ourster, Howard B., Pittsburgh, Pa. Crown block pulley. 1,848,379; Mar. 8.
Outboard Motors Corporation. (See Arndt, Jack W., assignor.)
Outboard Motors Corporation. (See Evinrude, Ole, assignor.)
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Outing Manufacturing Company. (See Boynton, Charles T., assignor.)
Outing Manufacturing Company. (See Dewey, Clarence L., assignor.)
Outlaw, Alonzo C., Tonkawa, Okla. Fluid equalizer for boilers. 1,889,693; Nov. 29.
Outrite Fire Extinguisher Corporation, The. (See Gilleo, Acie J., assignor.)
Outserts, Inc. (See Brown, Robert R., assignor.)

Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Adjustable gasket. 1,839,336; Jan. 5.
Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,843,297; Feb. 2.
Oven, Frank J., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Gasket. 1,846,402; Feb. 23.
Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,846,402; Feb. 23.
Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,853,175; Apr. 12.
Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,862,703; June 14.
Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,864,854; June 28.
Crenshire, Chas. E., et al., trustees. (See Code, George A., assignor.)
Overacker, Horace E., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Signaling system. 1,868,614; July 26.
Overacker, Horace E., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radioreceiving system. 1,873,017; Aug. 23.
Overbury, Austin A., et al. (See Brown, L. R., and Overbury.)
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method and apparatus for manufacturing roofing. 1,841,296; Jan. 12.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing element. 1,842,564; Jan. 26.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Irregular strip shingle. 1,843,370; Feb. 2.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing tile. 1,868,803; July 26.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for making strip shingles. 1,872,903; Aug. 16.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for finishing roofing elements. 1,873,213; Aug. 23.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and machine for vertically coating continuous strips of roofing material. 1,890,018; Dec. 6.
Overdick, Fritz, Leverkusen/Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process for removing ammonia and hydrogen sulphide from gases. 1,868,861; July 26.
Overfold Company, The. (See Fulk, George L., assignor.)
Overhead Door Corporation. (See Dautrick, Owen L., assignor.)
Overholt, Alvin J. (See Ronk, A. T., and Overholt.)
Overholt, Harry E. (See Reichle, C., and Overholt.)
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising structure. 1,841,203; Jan. 12.
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising bulletin. 1,841,204; Jan. 12.
Overholtz, George D., Fair Oaks, assignor to McClintic Marshall Company, Pittsburgh, Pa. Lattice construction for outdoor advertising structures. 1,853,144; Apr. 12.
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising bulletin. 1,886,898; Nov. 8.
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising structure. 1,886,899; Nov. 8.
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising structure. 1,886,900; Nov. 8.
Overholtz, George D., Leetsdale, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Panel for outdoor advertising structures. 1,852,141; Apr. 12.
Overholtz, George D., Leetsdale, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Panel for outdoor advertising structure. 1,853,142; Apr. 12.
Overholtz, George D., Leetsdale, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Outdoor advertising structure. 1,853,143; Apr. 12.
Overholtz, George D., Leetsdale, Pa., assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Sheet metal joint. 1,856,107; May 3.
Overholtz, George D., Leetsdale, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Outdoor advertising structure. 1,878,884; Sept. 20.
Overing, George T., jr. (See Gumina, A. J., and Overing.)
Overly, Clarence B., assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Burner structure. 1,839,584; Jan. 5.
Overly, Elmer G., Greensburg, Pa. Envelope. 1,858,277; May 17.
Overman, George W. P., Norfolk, Va. Davit mechanism. 1,841,979; Jan. 19.
Overmeyer, John, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,435; Nov. 29.
Overmeyer, John, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,479; Nov. 29.
Overmeyer, John, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,717; Dec. 23.
Overmier, Emmons. (See Bates, S. E., and Overmier.)
Overmire, Wilfred J., Indianapolis, Ind. Locomotive tender tank gauge. 1,866,302; July 12.
Overstreet, Monte E., Cherokee, Okla. Headrest for collins. 1,841,845; Jan. 19.
Overton, Alan M. (See Fisher, H. C., Overton, and Keller.)
Overton, Alan M., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Box for refrigerated shipments and the like. 1,869,769; Aug. 2.
Overton, Alan M., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Carton and container. 1,878,290; Sept. 20.
Overton, George S., East Norwalk, assignor to The American Hat Co. Inc., Norwalk, Conn. Shipping device for hats. 1,891,334; Dec. 20.
Overton, Glen, Kalamazoo, Mich. Dry milk machine. 1,853,451; Apr. 12.
Overton, Glen, Allegan Township, Allegan County, Mich. Valve. 1,879,763; Sept. 27.
Overton, Vaidy C., Houston, Tex. Musical instrument. 1,890,861; Dec. 13.
Overton, William H., St. Louis, Mo. Percolator top. 1,866,723; Nov. 8.
Ovington Company. (See Ovington, Edward J., assignor.)
Ovington, Edward J., Auburndale, assignor to Ovington Company, Cambridge, Mass. Electric motor. 1,878,534; Sept. 20.
Ovitz, Frank K., assignor to Standard Oil Company, Whiting, Ind. Pyrolytic decomposition of hydrocarbons. 1,866,666; July 12.
Owatonna Tool Company. (See Kaplan, Reuben A., assignor.)
Owen, Alfred G. B., Sutton-Coldfield, and R. W. Downs, Rushall, Walsall, England. Vehicle wheel. 1,860,264; May 24.
Owen, Allen F. (See Rose, R. P., and Owen.)
Owen Automatic Spring Machinery Company, The. (See Owen, David T., assignor.)
Owen Bucket Company, The. (See Botten, Henry W., assignor.)
Owen, David T., Cleveland Heights, assignor to The Owen Automatic Spring Machinery Company, Cleveland, Ohio. Spring coiling machine. 1,843,240; Feb. 2.
Owen, David T., assignor to The Owen Automatic Spring Machinery Company, Cleveland, Ohio. Spring forming and assembling machine. 1,887,215; Nov. 8.
Owen-Dyneto Corporation. (See Doman, Albert E., assignor.)
Owen, Edward A., Carta Valley, Tex. Automatic valve coupling. 1,864,463; June 21.
Owen, Eric W. B., Wembley, assignor to Dunlop Rubber Company, Limited, Birmingham, England. Making rubber articles. 1,877,426; Sept. 13.
Owen, Henry A. (See Rockwell, S. F., and Owen.)
Owen, Henry A., Foxboro, assignor to Davis & Furber Machine Company, North Andover, Mass. Chase adjuster for spinning frames. 1,842,565; Jan. 26.
Owen, Henry A., Lawrence, assignor to Davis & Furber Machine Company, North Andover, Mass. Spool stand. 1,889,839; Dec 6.
Owen, Henry M., Norfolk, Va. Hot water circulating unit. 1,874,602; Aug. 30.
Owen, Ira J., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 1,845,057; Feb. 16.
Owen, Jack M., Long Beach, Calif. Oil well cementing plug. 1,851,289; Mar. 29.
Owen, Jonas L., and E. Eriksson, Norr-Edsbyn, Sweden. Rain guard for motor cycles or the like. 1,853,742; Apr. 12.
Owen, Matthew H., Detroit, Mich. Box car door. 1,882,029; Oct. 11.
Owen, Norris T., Rapid City, S. Dak. Apparatus for use in blood transfusion, intravenous medication and the like. 1,848,024; Mar. 1.
Owen, Orlando K., assignor to J. W. Davis Company, Terre Haute, Ind. Greenhouse operation system. 1,785,126; Aug. 30.
Owen, Pinkney, Frankewing, Tenn. Automatic trap nest. 1,859,154; May 17.
Owen, Raymond Y., St. Louis, Mo., assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Lamp globe. Des. 86,738; Apr. 12.
Owen, Raymond Y., St. Louis, Mo. Lighting fixture. Des. 88,819; Dec. 27.
Owen, Robert V., New York, N. Y. Calendar card exhibitor for clocks. 1,878,310; Sept. 20.
Owen, Seth, Port Angeles, Wash. Road working broom. 1,849,722; Mar. 15.
Owen, William. (See Burdett, C. F., and Owen.)

Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Flate Glass Company. Roller runway for sheet glass. 1,861,665; June 7.
Owen, William B., Las Vegas, Nev. Automobile signaling device. 1,864,464; June 21.
Owen, William H., Saratoga Springs, N. Y. Adjustable outlet box header. 1,856,356; May 3.
Owen, William L., Baton Rouge, La., and E. W. Herr, Freeport, assignors to Darco Sales Corporation, New York, N. Y. Promotion of fermentation. 1,881,093; Oct. 4.
Owens Bottle Company, The. (See Lott, Clyde R., assignor.)
Owens, Charles, Chattanooga, Tenn. Coal fractionating and oil refining process. 1,861,355; May 31.
Owens, Conrad D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating magnetic bodies. 1,853,924; Apr. 12.
Owens Development Corporation. (See Miller, John M., assignor.)
Owens Development Corporation. (See Owens, Freeman H., assignor.)
Owens, Frank R., Beaver Crossing, Nebr. Parachute. 1,859,155; May 17.
Owens, Frank R., assignor to Owens Parachute Corporation, Beaver Crossing, Nebr. Parachute. Re18,366; Mar. 1.
Owens, Freeman H., New York, N. Y. Printing apparatus. 1,843,172; Feb. 2.
Owens, Freeman H., New York, N. Y. Spring motor and control therefor. 1,843,928; Feb. 9.
Owens, Freeman H., New York, N. Y. Motion picture winding apparatus. 1,844,676; Feb. 9.
Owens, Freeman H., New York, N. Y. Combined framing and dissolving mechanism. 1,851,724; Mar. 29.
Owens, Freeman H., New York, N. Y. Combined camera and projecting apparatus. 1,856,583; May 3.
Owens, Freeman H., New York, N. Y. Motion picture and sound reproducing apparatus. 1,858,555; May 17.
Owens, Freeman H., New York, N. Y. Recording photographic sound records. 1,859,243; May 17.
Owens, Freeman H., New York, N. Y. Titling sound film records. 1,866,268; July 5.
Owens, Freeman H., New York, N. Y. Combined motion picture and sound camera. 1,874,603; Aug. 30.
Owens, Freeman H., New York, N. Y. Motion picture camera and film magazine. 1,881,903; Oct. 11.
Owens, Freeman H., New York, N. Y. Lap dissolver for motion picture cameras. 1,881,904; Oct. 11.
Owens, Freeman H., New York, N. Y. Combined motion picture and sound camera. 1,889,840; Dec. 6.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Apparatus for reproducing photographic sound records. 1,847,574; Mar. 1.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Apparatus for reproducing photographic sound records. 1,847,575; Mar. 1.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Multiple cell reproducing apparatus. 1,848,575; Mar. 8.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printing apparatus. 1,849,549; Mar. 15.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing apparatus. 1,851,444; Mar. 29.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Multiple continuous printer. 1,852,894; Apr. 5.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Combined motion picture projector and sound reproducing apparatus. 1,854,219; Apr. 19.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Light testing device. 1,854,715; Apr. 19.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing apparatus. 1,862,062; June 7.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Film magazine. 1,863,066; June 14.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Film magazine for motion picture cameras. 1,865,272; June 28.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing attachment for motion picture projectors. 1,877,033; Sept. 13.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printer. 1,884,167; Oct. 25.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Film guiding mechanism for sound recording and reproducing apparatus. 1,884,168; Oct. 25.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Photographic camera. 1,884,169; Oct. 25.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Photographic sound recording and reproducing apparatus. 1,884,170; Oct. 25.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing device. 1,884,171; Oct. 25.
Owens, George C. (See Smithson, C. F., and Owens.)
Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
Owens-Illinois Glass Company. (See Bragg, Thomas A., assignor.)
Owens-Illinois Glass Company. (See Cramer, Albert N., assignor.)
Owens-Illinois Glass Company. (See Flexon, Floyd, assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Owens-Illinois Glass Company. (See Hofmann, Victor E., assignor.)
Owens-Illinois Glass Company. (See Hoge, John R., assignor.)
Owens-Illinois Glass Company. (See Hoge, J. R., and Hindman, assignors.)
Owens-Illinois Glass Company. (See Hoge, J. R., and Soubier, assignors.)
Owens-Illinois Glass Company. (See Hutchinson, O. C. K. McLaughlin, and Soubier, assignors.)
Owens-Illinois Glass Company. (See Kadow, August, assignor.)
Owens-Illinois Glass Company. (See Kadow, A., and Allen, assignors.)
Owens-Illinois Glass Company. (See Kadow, A., and Schwenzfeier, assignors.)
Owens-Illinois Glass Company. (See Kadow, A., and Soubier, assignors.)
Owens-Illinois Glass Company. (See La France, Richard, assignor.)
Owens-Illinois Glass Company. (See McLaughlin, John E., assignor.)
Owens-Illinois Glass Company. (See Morin, Louis H., assignor.)
Owens-Illinois Glass Company. (See Rohrich, Harold A., assignor.)
Owens-Illinois Glass Co. (See Rule, John F., assignor.)
Owens-Illinois Glass Company. (See Schwenzfeier, C. W., and McLaughlin, assignors.)
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Owens-Illinois Glass Company. (See Soubier, L. D., and McLaughlin, assignors.)
Owens-Illinois Glass Company. (See Wade, Henry S., assignor.)
Owens, Jesse C., Los Angeles, Calif., assignor to Owens Manufacturing Co. Ltd. Flushing valve. 1,850,354; Mar. 22.
Owens, John H., Elgin, Ill. Pipe-handling tool. 1,887,889; Nov. 15.
Owens, John L. (See Owens, R. J. and J. L.)
Owens, Lee T., Tacoma, Wash. Blade holder. 1,869,075; July 26.
Owens Manufacturing Co. (See Owens, Jesse C., assignor.)
Owens Parachute Corporation. (See Owens, Frank R., assignor.)
Owens, Raymond B. (See Worrall, R. H., and Owens.)
Owens, Robert J. and J. L., Minneapolis, Minn. Elevator leg. 1,854,560; Apr. 19.
Owens, Robert J. and J. L., Minneapolis, Minn. Elevator leg. 1,854,561; Apr. 19.
Owens, Samuel H., Altoona, Pa. Lifting coupler for containers. 1,846,038; Feb. 23.
Owens, Thomas, Harrison, assignor to William Dixon, Incorporated, Newark, N. J. Combined brush and buffer device. 1,856,280; May 3.
Owens, Tom B. (See Hodgkin, Durbin C., assignor.)
Owens, William T. (See Hargreaves, George A., assignor.)
Owensboro Ditcher & Grader Co. (See Cundiff, Charles W., assignor.)
Owensboro Ditcher & Grader Co. (See Cundiff, C. W., and Steele, assignors.)
Ow-Eschingen, Max, Vienna, Austria. Metallizing. 1,890,645; Dec. 13.
Owston, Charles W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Soldering fins to tubes. 1,850,473; Mar. 22.
Ox Fibre Brush Company. (See Lipps, William D., assignor.)
Oxford Varnish Corporation. (See Casto, Lloyd V., assignor.)
Oxford Varnish Corporation. (See von Webern, G., and Hammant, assignors.)
Oxhandler, Leopold, assignor of one-half to Orenda Corporation, Chicago, Ill. Cushioning panel. 1,853,374; Apr. 12.
Oxweld Acetylene Company. (See Boley, Roy A., assignor.)
Oxweld Acetylene Company. (See Kehl, Robert J., assignor.)
Oxweld Acetylene Company. (See Mandeville, John L., assignor.)
Oxweld Acetylene Company. (See Mandeville, J. L., and Oldham, assignors.)
Oxweld Acetylene Company. (See Miller, Samuel W., assignor.)
Oxweld Acetylene Company. (See Miller, Wilber B., assignor.)
Oxweld Acetylene Company. (See Voorhees, Lee G., assignor.)
Oxweld Railroad Service Company, The. (See Hasse, F. C., and Oldham, assignors.)

Oxweld Railroad Service Company. (See Hunt, W. F., and Stelling, assignors.)
Oxweld Railroad Service Company, The. (See Oldham, S. R., and Young, assignors.)
Oxyammon Aktiengesellschaft. (See Cederberg, Ivar W., assignor.)
Oyen, Erling, Youngstown, Ohio. Machine for grinding cutters. 1,849,849; Mar. 15.
Oyen, Erling, Youngstown, Ohio. Boring tool for internal taper boring. 1,878,175; Sept. 20.
Oyster, Earl F., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Molding machine. 1,851,321; Mar. 29.
Oyster, Earl F., Cleveland Heights, assignor to Osborn Manufacturing Company, Cleveland, Ohio. Jolt squeeze stripper latch. 1,884,172; Oct. 25.
Oyston, William R., assignor to Continuous Gramophones Limited, London, England. Sound reproducing apparatus. 1,878,311; Sept. 20.
Oyston, William R., North Melbourne, Victoria, Australia, assignor to Continuous Gramophones Limited, London, England. Sound reproducing apparatus. 1,868,846; July 26.
Oyston, William R., Parkville, Victoria, Australia, assignor to Continuous Gramophones Limited, London, England. Needle changing device. 1,843,401; Feb. 2.
Oyston, William R., Parkville, Victoria, Australia, assignor to Continuous Gramophones Limited, London, England. Sound reproducing apparatus. 1,869,770; Aug. 2.
Oyston, William R., Parkville, Victoria, Australia, assignor to Continuous Gramophones Limited, London, England. Talking machines of the magazine player type. 1,892,626; Dec. 27.
Ozark Novelty Company. (See Bugg, Kenly C., assignor.)
Ozmun, Edward W., Minneapolis, Minn. Device to be worn on necktie or clothing. Des. 86,468; Mar. 8.
Ozmun, Kenneth L., assignor to Chicago Cardboard Company, Chicago, Ill. Display mounting. 1,884,173; Oct. 25.
Ozmun, Kenneth L., assignor to Chicago Cardboard Company, Chicago, Ill. Mounted board and making the same. 1,884,174; Oct. 25.
Ozone Pure Airiner Co. (See Haase, Arthur P., assignor.)
P. D. Auto Jack Mfg. Co. (See Bright, John W., assignor.)
P. & G. Patentverwertungs- & Finanzierungs-Aktiengesellschaft. (See Huber, Hans, assignor.)
P & M Company, The. (See Armstrong, Victor C., assignor.)
P & M Company, The. (See Preston, Frederick A., assignor.)
P & M Company, The. (See Warr, Harold G., assignor.)
P. O. B. Manufacturing Co., Inc. (See Glascock, Harry, assignor.)
P-W Device Corporation. (See Bartel, Englebert A., assignor.)
Paalen, Gustav R. (See Berthold, Hans, assignor.)
Paalman Furniture Company. (See Paalman, John H., assignor.)
Paalman, John H., assignor to Paalman Furniture Company, Grand Rapids, Mich. Combined book table and rack. 1,852,408; Dec. 27.
Paas, Clemens L., Spring Lake, Mich. Doorlock. 1,885,942; Nov. 1.
Pabst Corporation. (See Frederiksen, Felix M., assignor.)
Pabst Corporation. (See Hauck, Frederick G., assignor.)
Pabst Corporation. (See Stoll, Julius E., assignor.)
Pabst, William F. (See Stenzel, Arthur E., assignor.)
Pabst, William R., Berkeley, Calif. Garment hanger. 1,879,946; Sept. 27.
Pace, Raymond W., and T. A. Baller, Lexington, Ky. Awning lateral arm mounting. 1,845,931; Feb. 16.
Pacent Electric Company. (See Goudy, Carl F., assignor.)
Pacent Electric Company. (See Greibach, Emil H., assignor.)
Pacher, Josef V., Brooklyn, and L. J. Zahn, Long Island City, assignors to International Postal Supply Company, Brooklyn, N. Y. Combined mail-sealing, post-marking, metering and addressing machine. 1,884,175; Oct. 25.
Pacific Alkali Company. (See Rosenstein, L., and Bell, assignors.)
Pacific Can Co. (See Krueger, Frank, assignor.)
Pacific Can Co. (See Krueger, F., and Douglass, assignors.)
Pacific Car and Foundry Company. (See Chriswell, Frederick W., assignor.)
Pacific Clay Products. (See McClintock, W., and Lacy, assignors.)
Pacific Clay Products. (See McClintock, W., and Pearne, assignors.)
Pacific Coast Borax Company. (See Newman, Alfred, assignor.)
Pacific Copper and Brass Works, Incorporated. (See Travis, Bertram C., assignor.)
Pacific Electric Manufacturing Corporation. (See Rea, James C., assignor.)
Pacific Flush-Tank Comptany. (See Downes, J. R., and Miller, assignors.)
Pacific Foundry Company. (See Connolly, George E., assignor.)
Pacific Gas Radiator Company. (See Hartfield, August J., assignor.)
Pacific Hair Goods Company, Ltd. (See Moseley, Tomlinson L.)
Pacific Hair Goods Company. (See Moseley, Tomlinson I., assignor.)
Pacific Lumber Company, The. (See Carson, Francis L., assignor.)
Pacific Lumber Company. (See Darling, Elton R., assignor.)
Pacific Lumber Company, The. (See Rosener, L. S., Smith, and Chaffee, assignors.)
Pacific Machinery Company. (See Duncan, Arthur L., assignor.)
Pacific Marine Supply Company. (See Andrews, Phillip R., assignor.)
Pacific Pipe and Supply Company. (See Gray, Andrew T., assignor.)
Pacific Pitting Machine Company. (See Bem, Joseph P., assignor.)
Pacific Pump Works. (See Bigelow, G. E., and Weis, assignors.)
Pacific Pump Works. (See Weis, Arthur R., assignor.)
Pacific R. & H. Chemical Corporation, The. (See Walker, Mark, assignor.)
Pacini, August J., Chicago, Ill., assignor to Sun-A-Sured, Inc., Antiricketic substances and the production thereof. 1,850,977; Oct. 4.
Pacini, August J., Chicago, Ill., assignor to Sun-A-Sured, Inc., Synthesizing and transmuting antiricketic substances and the like. 1,880,978; Oct. 4.
Pack, Harry, Johnson County, Kans. Portable display rack. Des. 86,803; Apr. 19.
Package Improvement Co. (See Ware, Richard P., assignor.)
Package Machinery Company. (See Cornock, Edward F., assignor.)
Package Machinery Company. (See Oakes, R. H., and Thrall, assignors.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Package Machinery Company. (See Smith, E. L., and Fuller, assignors.)
Package Machinery Company. (See Smith, E. L., Langhammer, and Bodolay, assignors.)
Packard, Calvin P. (See Macrae, J. N., and Packard.)
Packard, Everett T., assignor to Avon Sole Company, Avon, Mass. Rubber sole and heel. 1,840,450; Feb. 23.
Packard, Frank E., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. Des. 87,020; May 24.
Packard, Horace N., Ossining, N. Y., assignor, by mesne assignments, to Cutler-Hammer, Inc. Pressure regulating apparatus for elastic fluids. 1,852,330; Apr. 5.
Packard, Jesse R. (See Packard, S. M. and J. R., and Shuck.)
Packard Motor Car Company. (See Bamblett, Frederick, assignor.)
Packard Motor Car Company. (See Barden, Earl M., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Dresser, Lewis W., assignor.)
Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
Packard Motor Car Company. (See Goodlin, Fred C., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packard Motor Car Company. (See Gubitz, Werner H. A., assignor.)
Packard Motor Car Company. (See Gunn, Earl G., assignor.)
Packard Motor Car Company. (See Hammerl, Jacob, assignor.)
Packard Motor Car Company. (See Harbison, William C., assignor.)
Packard Motor Car Company. (See Hutchinson, Roland V., assignor.)
Packard Motor Car Company. (See Kline, Arthur L., assignor.)
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Packard Motor Car Company. (See Krebs, Henry, assignor.)
Packard Motor Car Company. (See Lee, Roger K., assignor.)
Packard Motor Car Company. (See Marks, James H., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Packard Motor Car Company. (See Roberts, Louis L., assignor.)
Packard Motor Car Company. (See Stougaard, Roy A., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Packard Motor Car Company. (See Vincent, J. G., and Moorhouse, assignors.)
Packard Motor Car Company. (See Wiegman, Clarence H., assignor.)

Packard Motor Car Company. (See Woolson, Lionel M., assignor.)

Packard, Stanley M. and J. R., Southgate, and W. L. Shuck, Los Angeles, Calif. Internal combustion motor. 1,853,278; May 17.

Packard, Wilson H., Erie, Pa. Curtain hanger. 1,865,039; June 28.

Packer, C. I., Tool & Die Company, The. (See Packer, Clifford I., assignor.)

Packer, Clifford I., assignor to The C. I. Packer Tool & Die Company, Meriden, Conn. Workholding chuck. 1,846,895; Feb. 23.

Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Trolley pole socket. 1,848,140; Mar. 8.

Packer, James M., Colorado Springs, Colo. Airplane window construction. 1,853,317; Apr. 12.

Packer, Oswald F., assignor to Stearns-Stafford Roller Bearing Company, Lawrence, Mich. Roller bearing journal box. 1,846,977; Feb. 23.

Packer, Willard N., San Pedro, assignor to J. Grant, Los Angeles, Calif. Expansive undercreamer. 1,839,771; Jan. 5.

Packers Specialty Company. (See Allen, C. H., and Robbeloth, assignors.)

Packett, John A., Hove, assignor to The No-Stud-Shirt & Collar Co. Limited, Brighton, England. Attaching detachable collars to shirts. 1,873,145; Aug. 23.

Packmat Corporation. (See Reuter, Francis J., assignor.)

Packwood, G. H., Manufacturing Company. (See Packwood, George H., jr., assignor.)

Packwood, George H., jr., assignor to G. H. Packwood Manufacturing Company, St. Louis, Mo. Dispenser. 1,852,871; June 21.

Pacz, Aladar, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of aluminum-silicon alloys. 1,848,767; Mar. 8.

Pacz, Aladar, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Modifying aluminum alloys containing silicon. 1,848,798; Mar. 8.

Pacz, Aladar, Cleveland, Ohio, assignor of one-half to Aluminum Company of America, Pittsburgh, Pa., and one-half to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Aluminum alloy casting and making the same. 1,860,947; May 31.

Paddock, Levi S., assignor to Swift & Company, Chicago, Ill. Meat stamping ink. 1,868,071; July 19.

Paddor, William. (See Abt, Louis, assignor.)

Padelford, Lester E. (See Le Sauvage, G. R., and Padelford.)

Padelford, Lester E., and L. J. Kukowitz, assignors to The Republic Metalware Company, Buffalo, N. Y. Waste receptacle. 1,891,651; Dec. 20.

Paden, Charles G., Millerstown, Pa. Lime slaking apparatus. 1,855,688; Apr. 26.

Paden, William B., Saginaw, Mich. Sales adder and recorder. 1,848,080; Mar. 1.

Paden, William L., Saginaw, Mich. Combined cash register and adding machine. 1,871,002; Aug. 9.

Padesky, John R., La Crosse, Wis., assignor to Moto Meter Gauge & Equipment Corporation, New York, N. Y. Instrument panel board. 1,871,552; Aug. 16.

Padgett, Joseph E., and C. D. Peterson, assignors to Spicer Manufacturing Corporation, Toledo, Ohio. Extension transmission gearing. 1,859,788; May 24.

Padgett, Joseph E., and C. D. Peterson, assignors to Spicer Manufacturing Corporation, Toledo, Ohio. Transmission gearing. 1,887,943; Nov. 15.

Padgett, Joseph L., Jacksonville, Fla. Skate. 1,869,612; Aug. 2.

Padgett, Thomas, assignor of forty per cent to A. L. Morris, East Palestine, Ohio. Truck for sanding slippery roads. 1,848,542; Mar. 8.

Padmore, Bertram R., Montrose Heights, Blawnox, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 1,845,175; Feb. 16.

Padmore, Bertram R., Newport, Victoria, Australia, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Relay mechanism. 1,863,694; June 21.

Paessler, Gottfried, Danzig, Free City of Danzig. Garment press. 1,854,163; Apr. 12.

Paff, James N. (See Smith, Frederick P., assignor.)

Paff, Walter J., assignor to R. E. Helmstine, Dayton, Ohio. Base for a telephone instrument. Des. 87,591; Aug. 16.

Paganello, Nunzio, Brooklyn, N. Y. Figurette. 1,884,982; Oct. 25.

Paganello, Nunzio, Brooklyn, N. Y. Doll structure. 1,892,360; Dec. 27.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Mutable pattern drum for knitting machines. 1,846,690; Feb. 23.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Yarn furnishing means for knitting machines. 1,853,020; Apr. 5.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Circular knitting machine. 1,853,519; Apr. 12.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Circular knitting machine. 1,853,520; Apr. 12.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Yarn cutter and clamp for knitting machines and operating same. 1,860,265; May 24.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Chain control for splicing attachments. 1,874,342; Aug. 30.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Pattern mechanism for knitting machines. 1,891,270; Dec. 20.

Page, Albert E. and F. R., Brooklyn, assignors to Scott & Williams, Inc., New York, N. Y. Circular knitting machine. 1,841,205; Jan. 12.

Page, Austin W. (See Leety, H. E., Eckert, and Page.)

Page, Dwight C., assignor to The Heald Machine Company, Worcester, Mass. Gear holding and centralizing device. 1,882,871; Oct. 18.

Page, Dwight C., and G. D. Scott, assignors to The Heald Machine Company, Worcester, Mass. Chuck. 1,881,905; Oct. 11.

Page, Eugene E., Gary, Ind. Burglar trap. 1,857,395; May 10.

Page, Everett W., River Forest, assignor to General Electric X-Ray Corporation, Chicago, Ill. Film holder. 1,876,431; Sept. 6.

Page, Frank C. B., assignor to E. W. Bliss Company, Brooklyn, N. Y. Clutch-driven power press. 1,848,194; Mar. 8.

Page, Frank R. (See Page, A. E. and F. R.)

Page, Frank R., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Process and machine for producing knitted fabric. 1,865,385; June 28.

Page, Frederick H., assignor to Handley Page Limited, London, England. Controlling aeroplanes. 1,861,318; May 31.

Page, George A., jr. (See Henrichsen, K., and Page.)

Page, George A., jr. (See Sloan, M., and Page.)

Page, George A., jr., Freeport, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Oil tank. 1,874,605; Aug. 30.

Page, Grover, New Albany, Ind. Artificial bait. 1,849,434; Mar. 15.

Page & Hill Co. (See Farnam, Julian P., assignor.)

Page, Harold D., Depew, N. Y., assignor to Waugh Equipment Company, Chicago, Ill. Cushioning means for draft gears. 1,845,032; Feb. 16.

Page, Herbert E., Syracuse, N. Y. Garment or ironing press. 1,887,719; Nov. 15.

Page, Howard L., Chicago, Ill. Producing an electroconductive sound wave record. 1,840,791; Jan. 12.

Page, John E., Sydney, Australia, assignor, by mesne assignments, to The Guardian Trust Company, Cleveland, Ohio, trustee for Gibson Patent Containers, Ltd. Paper-board box. 1,870,688; Aug. 9.

Page, John W., Chicago, Ill. Spreader. 1,850,767; Mar. 22.

Page, John W., Chicago, Ill. Bucket construction. 1,852,671; Apr. 5.

Page, John W., Chicago, Ill. Bucket. 1,868,246; July 19.

Page, John W., Chicago, Ill. Tooth point construction. 1,868,247; July 19.

Page, John W., Chicago, Ill. Self-propelled apparatus. 1,879,446; Sept. 27.

Page, John W., Chicago, Ill. Bucket lip. 1,879,447; Sept. 27.

Page, John W., Chicago, Ill. Spreader. 1,879,448; Sept. 27.

Page, Marshall H., assignor to Line-O-Graph Company, Kansas City, Mo. Advertising device. Re18,512; July 5.

Page, Milton H., Cohoes, N. Y. Sound reproducing device. 1,880,980; Oct. 4.

Page, Milton H., Cohoes, N. Y., assignor to Radio Corporation of America. Film pass. 1,892,218; Dec. 27.

Page, Ralph E. (See Daly, G. F., and Page.)

Page, Ralph E., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Quick paper insertion device. 1,839,409; Jan. 5.

Page, Ralph E., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Paper feeding device for tabulating machines. 1,861,975; June 7.

Page, Robert M., Washington, D. C. Relaxation circuit oscillator. 1,869,500; Aug. 2.

Page, Robert W., Glen Ridge and F. W. Hill, South Orange, N. J. Tile. 1,881,966; Oct. 11.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 86,137; Feb. 2.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 86,739; Apr. 12.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 86,892; May 3.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,232; June 21.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,233; June 21.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,234; June 21.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,235; June 21.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,315; July 5.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,316; July 5.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 87,479; Aug. 2.
Page, Samuel H., Stratford, assignor to The American Fabrics Co., Bridgeport, Conn. Lace. Des. 87,679; Aug. 30.
Page, Schuyler C., Rochester, N. Y. Igniter. 1,857,862; May 10.
Page, Walter. (See Brooks, William H., assignor.)
Page, William, Philadelphia, Pa. Fluid operative control. 1,844,072; Feb. 9.
Pagel, Clarence J., and B. L. Kulick, Buffalo, N. Y., assignors to H. G. Hartsch, Washington, D. C. Antenna. 1,884,176; Oct. 25.
Pagel, Ernest C., Chicago, and H. C. Porter, La Grange Park, assignors to Signode Steel Strapping Company, Chicago, Ill. Cutting and forming device. 1,887,732; Nov. 15.
Pagel, Herbert F., assignor to The Turner Brass Works, Sycamore, Ill. Plumber's hand torch. 1,849,110; Mar. 15.
Pagendarm, John F., Oakland, assignor to American Woodlite Corporation, San Francisco, Calif. Connecter for electric conductors. 1,862,197; June 7.
Paget, Edith B., Los Angeles Calif. Mounting. 1,845,327; Feb. 16.
Paget, Harold F., assignor to Haines Hosiery Mills Inc., Philadelphia, Pa. Latch hook welt bit and latch opening tool therefor. 1,850,472; Mar. 22.
Paget, Harold F., assignor to Haines Hosiery Mills Inc., Philadelphia, Pa. Yarn carrier stop control mechanism for knitting machines. 1,851,209; Mar. 29.
Paget, Harold F., assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Yarn carrier stop block control mechanism for knitting machines. 1,851,373; Oct. 4.
Paget, Harold F., assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Welt closing mechanism for full fashioned knitting machines. 1,882,960; Oct. 11.
Pagin, John B., South Bend, Ind. Fishing lure. Des. 87,680; Aug. 30.
Pagon, William W., Baltimore, Md. Airship. 1,877,956; Sept. 20.
Pahl, August, and H. Heimann, Berlin, Germany. Surface carburetor. 1,857,565; May 10.
Pahl, Friedrich, Dusseldorf-Rath, Germany. Manufacturing rubber hose. 1,878,885; Sept. 20.
Pahlke, Elmer W. (See Smith, James W., assignor.)
Paidin, Emil J., Co. (See Emmert, John R., assignor.)
Paillin, George, Manchester, England, assignor to General Electric Company. Electric switchgear. 1,860,156; May 24.
Paine, Robert C., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,859,853; May 24.
Paine and Williams Company, The. (See Vrooman, William S., assignor.)
Painesville Metallic Binding Company, The. (See Hudson, William S., assignor.)
Painter, Laurence O., assignor to Program Service Company, St. Paul, Minn. Intensity controlling system for receivers. 1,887,065; Nov. 8.
Painter, Lawrence O., and H. L. Johnson, assignors to Program Service Company, St. Paul, Minn. System for transmitting sound-carrying and field currents to remotely located dynamic loud speakers. 1,877,034; Sept. 13.
Painter, Maud W., Cleveland, Ohio. Chair. Des. 87,852; Sept. 27.
Painter, William A., Detroit, Mich. Mop cleaning device. 1,852,216; Apr. 5.
Pairo, John T., Greenville, N. C. Animal trap. 1,850,834; Mar. 22.
Paisley, Dean H., Cambridge, Nebr. Potato sacker. 1,862,424; June 7.
Paisseau, Jean, Paris, France. Process for the manufacture of pearl essence. 1,865,703; July 5.
Paladin, Arthur, Albany, N. Y. Taxidermist's body form. 1,844,592; Feb. 9.
Paladini, A., & Company. (See Beneduce, Pasquale, assignor.)
Palagonia, Joseph R., Glendale, N. Y. Compressed air parachute. 1,854,996; Apr. 19.
Palais, Harry, Boston, Mass. Making toys and the like and article product. 1,859,889; Jan. 5.
Palanjian, Henry, assignor of one-half to Mihran Serijanian, New York, N. Y. Cigarette package container. 1,846,275; Feb. 23.
Palazzo, Fortunato. (See Palazzo, Francesco C. and F.)
Palazzo, Francesco C., Florence, Italy. Producing calcium phosphates rich in phosphoric acid soluble in water. 1,891,007; Dec. 13.
Palazzo, Francesco C. and F., Florence, Italy. Producing mixtures of mono-calcium and di-calcium phosphates. 1,851,210; Mar. 29.
Palenske, Frederick C., St. Joseph, Mich. Rubber cushion and insulating strip for refrigerator doors. 1,888,358; Nov. 22.
Palicki, Robert C., Toledo, Ohio. Display device. 1,889,002; Nov. 29.
Palisca, Matthew, Philadelphia, Pa. Liquid fuel valve for internal combustion engines. 1,856,852; May 3.
Palkin, Samuel, Washington, D. C., and H. R. Watkins, Somerset, Md. Preservation of ether. 1,849,635; Mar. 15.
Pallotta, Sandy, Youngstown, Ohio. Airplane. 1,871,909; Aug. 16.
Palm, Blake, Washington, D. C., assignor to Otis Elevator Company, New York, N. Y. Elevator construction. 1,861,063; May 31.
Palm, Herman, et al. (See Mattson, Julius, assignor.)
Palm, Hermann, Neukochen, near Unterkochen, Germany. Pattern rolls for applying coloured designs on paper, board, or the like. 1,882,090; Oct. 11.
Palm, John V. O. (See Hopkins, B. F., and Palm.)
Palm, Robert, Fairfield, Ala. Operating mechanism for removing pit covers and the like. 1,879,881; Sept. 27.
Palm, Victor H., Butler, Pa. Fluid motor. 1,845,176; Feb. 16.
Palm, Victor H., Butler, Pa. Internal combustion engine. 1,845,177; Feb. 16.
Palm, Victor H., Butler, Pa. Envelope. 1,874,796; Aug. 30.
Palme, Josef F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,879,449; Sept. 27.
Palmer, A. Judson, Keansburg, N. J. Recording device. Des. 86,684; Apr. 5.
Palmer, Albert J., Woodsboro, Tex. Controlling valve for oil wells. 1,844,792; Feb. 9.
Palmer, Alden J., assignor to Republic Fireproofing Company, Inc., New York, N. Y. Building construction. 1,863,543; June 14.
Palmer, Arthur E. (See Tracy, J. J., and Palmer.)
Palmer Bee Company. (See Morgan, Horace H., assignor.)
Palmer, Brin C., West New York, N. J., assignor to Ohmer Fare Register Company, Dayton, Ohio. Taximeter. 1,846,393; Feb. 23.
Palmer Bros. Engines, Inc. (See Ulrich, Julius M. assignor.)
Palmer, Bruce, U. S. Army, Fort Riley, Kans. Armored vehicle. 1,865,882; July 5.
Palmer, Cassius C., New York, N. Y. Refrigerating apparatus. 1,863,535; June 21.
Palmer, Charles A. (See Eisenbauer, Edward, jr., assignor.)
Palmer, Charles H., assignor to The Palmer Match Company, Akron, Ohio. Safety match container. 1,885,856; Nov. 1.
Palmer, Charles R., and C. P. Mitchell, Cincinnati, Ohio, said Mitchell assignor to said Palmer. Thermometer. 1,875,757; Sept. 6.
Palmer, Charles W., Evanston, Ill., assignor, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Unsymmetrical arseno-benzene compound. 1,867,231; July 12.
Palmer, Chester U., New York, N. Y. Aircraft. 1,872,170; Aug. 16.
Palmer, Clarence. (See McIlwraith, J. W., McKenzie, and Palmer.)
Palmer, Clarence A., assignor to The Burt Manufacturing Company, Akron, Ohio. Ventilator. 1,879,450; Sept. 27.
Palmer, Clarence A., and E. Lenke, assignors to The Burt Manufacturing Company, Akron, Ohio. Method of and apparatus for filtering oil. 1,879,451; Sept. 27.
Palmer, Deward B., Aurora, Ill. Insulator. 1,877,035; Sept. 13.
Palmer, Frank R., assignor to The Carpenter Steel Company, Reading, Pa. Free machining corrosion resisting steel. 1,846,140; Feb. 23.
Palmer, Frederick, assignor to Triangle Conduit Company, Inc., Brooklyn, N. Y. Electric cable. 1,852,127; Apr. 5.
Palmer, George D., jr. (See Lloyd, S. J., and Palmer.)
Palmer, Gilbert H., Ardmore, Okla. Package. 1,846,748; Feb. 23.
Palmer, Harry L. (See FitzGerald, A. S., and Palmer.)
Palmer, Harry L., Scotia, N. Y., assignor to General Electric Company. Electrical control circuits. 1,847,893; Mar. 1.
Palmer, Henry K., Los Angeles, Calif. Sign frame. 1,840,915; Jan. 12.
Palmer, Horace Fitz W., Bennettsville, S. C. Attachment for can covers. 1,869,712; Aug. 2.
Palmer, James A., Taunton, Mass., assignor to Taunton Pearl Works, Inc. Necktie holder. 1,869,165; July 26.
Palmer, John F., Milwaukee, Wis., assignor to Bohrick Chemical Corporation, Los Angeles, Calif. Liquid dispensing faucet. 1,880,271; Oct. 4.
Palmer, Joseph V. (See Peterson, Walter E., assignor.)
Palmer Match Company, The. (See Palmer, Charles H., assignor.)
Palmer, O'Neal S. (See Ward, G. E., and Palmer.)
Palmer, Oscar C., Phoenix, Ariz. Radiator construction. 1,863,026; June 14.
Palmer, Ray E., Elmira, N. Y. Road resurfacing apparatus. 1,877,577; Sept. 13.

Palmer, Robert C. (See Oliver, A. F., and Palmer.)
Palmer, Robert C. (See Van Romaine, E., Welland, Powers, and Palmer.)
Palmer, Robert C., and A. F. Oliver, Pensacola, Fla. High melting-point rosin and preparing the same. 1,851,907; Oct. 11.
Palmer, Robert T. (See Anderson, S. M., and Palmer.)
Palmer, Roy. (See Hallum, C. A., and Palmer.)
Palmer, Roy D., Oakmont, and R. L. Jeffers, Parnassus, assignors to Aluminum Company of America, Pittsburgh, Pa. Drawplate. 1,870,419; Aug. 9.
Palmer, Roy T. (See Sendelbach, J., and Palmer.)
Palmer, Samuel J., San Mateo, Calif. Collar. 1,839,337; Jan. 5.
Palmer, Sidney L., San Francisco, Calif., assignor to American Smelting and Refining Company, New York, N. Y. Fusible metal. 1,852,872; Oct. 18.
Palmer, Townsend, Middletown, Conn. Hammock fabric. Des. 86,051; Jan. 19.
Palmer, Townsend, Middletown, Conn. Hammock fabric. Des. 86,052; Jan. 19.
Palmer, Vance C., Sioux City, Iowa. Child's dressing chair. Des. 87,077; May 31.
Palmer, Walter E., Dansville, N. Y. Tree-digger blade. 1,840,126; Jan. 5.
Palmgren, Nils G. (See Larsson, K., and Palmgren.)
Palmieri, John, Weehawken, N. Y. Submarine salvage apparatus. 1,890,405; Dec. 6.
Palmiter, Daniel A. (See Schacht, J. H., and Palmiter.)
Palmquist, Carl E., Olean, N. Y., assignor to Mutual Engineering Corporation, Fastener for automobile truck doors. 1,865,205; June 28.
Palotee, John J., Youngstown, Ohio. Pliers, etc. 1,879,452; Sept. 27.
Palser, Fred H., Rochester, N. Y., assignor to Weber Machine Corporation. Apparatus for reproducing sound film records. 1,851,636; Mar. 15.
Palubiak, John, St. Louis, Mo. Outside nest for canary bird cages. 1,874,708; Aug. 30.
Paluefi, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Protective arrangement. 1,865,273; June 28.
Palumbo, Frank J., Weirton, W. Va. Table. 1,840,249; Jan. 5.
Pam-Pa Company of America, Inc., The. (See de Fauzon, Arturo G., assignor.)
Pan-Ross Laboratories, Inc. (See Parsons, J., and Stover, assignors.)
Pan American Petroleum & Transport Company. (See Martin, A. R., Kelly, and Repath, assignors.)
Panco Rubber Company. (See Berenstein, Frank, assignor.)
Panco Rubber Company. (See Klein, Myer S., assignor.)
Pancoast, Donald E., Cleveland, Ohio. Electric welding apparatus. 1,863,933; June 21.
Pancoast, George E., Sea Bright, N. J. Web pasting mechanism. 1,866,117; July 19.
Panelyte Corporation. (See Crossman, George J., assignor.)
Panes Isidore, New York, N. Y. Stay for corsets and other articles. 1,845,809; Feb. 16.
Pangborn Corporation. (See Dorfan, Morton I., assignor.)
Pangborn Corporation. (See Hull, Foster J., assignor.)
Pangborn Corporation. (See Rosenberger, William A., assignor.)
Pangborn, Redmond H., Tacoma, Wash. Conveyer flight. 1,853,688; Mar. 22.
Pangratz, George L., and J. C. Harb, Akron, Ohio. Combined advertising medium and score card. 1,859,982; May 24.
Panier, Antoine E., assignor to Societe Anonyme de Machines-Outils et Appareils Divers "La Samoa," Paris, France. Automatic liquid measuring and delivering apparatus. 1,851,289; Oct. 4.
Panish, Erwin J., Bridgeport, Conn. Preventing excessive vibrations of speed responsive devices. 1,850,807; Mar. 22.
Panish, Erwin J., Bridgeport, Conn. Valve control. 1,856,927; May 3.
Panitzsch, Martin, Forest Park, Ill. Push pin. 1,872,171; Aug. 16.
Pankhurst, Charles T., Ionia, Mich. Optical lens. 1,886,724; Nov. 8.
Pannier Brothers Stamp Company. (See Pannier, William J., jr., and O. M.)
Pannier Brothers Stamp Company. (See Pannier, William J., jr., and O. M., and Mon, assignors.)
Pannier, Oscar M. (See Pannier, William J., jr., and O. M., and Mon.)
Pannier, William J., jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Embossing sheet metal. 1,850,876; May 3.
Pannier, William J., jr., Pittsburgh, O. M. Pannier, Kilbuck Township, Allegheny County, and J. F. Mon, Elliott Borough, Pittsburgh, assignors to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamping machine. 1,860,115; May 24.
Panoleum Company, The. (See Nill, Edward A., assignor.)
Panski, Adolphe, Paris, France. Apparatus for extracting fats at low temperature. 1,867,326; July 12.
Pantenburg, Vitalis, Hesse Nassau, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for the regeneration of adsorption material. 1,863,803; June 21.
Pantex Pressing Machine, Inc. (See Beede, Herbert G., assignor.)
Panther, Joseph, jr., Tacoma, Wash. Fire fighting apparatus. 1,880,272; Oct. 4.
Panther Rubber Manufacturing Company. (See Kelley, Frank J., assignor.)
Pantone Corporation. (See Trist, Arthur R., assignor.)
Panzegrau, Norman O. (See Baker, D. B., and Panzegrau.)
Panzenhiter, Theodor, Berlin-Charlottenburg, and W. Nagel, Berlin, Germany, assignors to Westinghouse Electric & Manufacturing Company, New York, N. Y. Transmission system switch. Re18,553; Aug. 2.
Paoli, Arthur, Ironwood, Mich. Banana protector. 1,847,494; Mar. 1.
Paoloni, Carlo. (See Carughi, A., and Paoloni.)
Paone, Vincenzo, Utica, N. Y. Oil can. 1,885,472; Nov. 1.
Papac, Nicholas G., Watsonville, Calif. Apple slicing machine. 1,881,908; Oct. 11.
Papaefthemeou, Demetrios, New York, N. Y. Taximeter flag control system. 1,878,596; Sept. 20.
Papalia, Michelangelo, Rome, Italy. Device for automatic telegraphic transmission. 1,848,799; Mar. 8.
Papé, Chester H., Portland, Oreg. Pouring spout. 1,881,228; Oct. 4.
Pape, Edward W., St. Louis, Mo. Adjustable extension broiler. 1,852,087; Apr. 5.
Pape, Herman G., New York, N. Y. Sound instrument. 1,854,716; Apr. 19.
Papendick, Inc. (See Schneider, Edward J., assignor.)
Papercraft Corporation. (See Christie, Robert A., assignor.)
Paper Patents Company. (See Biederman, Frank A., assignor.)
Paper Patents Company. (See John, Hans, assignor.)
Paper Patents Company. (See Nelson, Charles W., assignor.)
Paper Patents Company. (See Smith, Bernard F., assignor.)
Paper Service Company, The. (See Morris, W. A., and Spangler, assignors.)
Paper & Textile Machinery Company, The. (See Farnsworth, Hiland R., assignor.)
Paper & Textile Machinery Co., The. (See Millspaugh, William H., assignor.)
Paper and Textile Machinery Company, The. (See Russell, Andrew N., assignor.)
Papp, Louis R., Cleveland, Ohio. Parachute attachment for aeroplanes. 1,890,190; Dec. 6.
Pappalion, George D., Danielson, Conn. Film hanger. 1,877,036; Sept. 13.
Pappert, Emanuel, New York, N. Y. Optical mounting. 1,887,846; Nov. 15.
Papyrus, A. G. (See Büchner, Carl, assignor.)
Paque, Edward J., assignor to The Pollak Steel Company, Cincinnati, Ohio. Winged channel post and clip. 1,850,338; Dec. 6.
Paquette, Donat N., assignor to New Home Washing Machine Co., Dracut, Mass. Set tub washing machine outlet and packing box. 1,853,993; Apr. 12.
Paquette, Edgar E. and R. J., Woodstock, Ontario, Canada, assignors to Scott & Williams, Incorporated, New York, N. Y. Knitting mechanism. 1,848,969; Mar. 8.
Paquette, Exilias E., Woodstock, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Splicing attachment for circular knitting machines. 1,848,970; Mar. 8.
Paquette, Nathan W. (See Parker, K. S., Tefft, and Paquette.)
Paquette, Roland J. (See Paquette, Edgar E. and R. J.)
Paradis, Henry A., and W. C. Anderson, Chicopee Falls, Mass. Protective device for the terminals of storage batteries. 1,858,748; May 17.
Paradis, Joseph P. (See Chouinard, M., and Paradis.)
Paradise, Bertrand, Brooklyn, N. Y. Apparatus for inking endless ribbons. 1,874,059; Aug. 30.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Harvester. 1,853,177; Apr. 12.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Grease gun. 1,858,025; May 10.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Cutter bar. 1,869,981; Aug. 2.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Agricultural implement. 1,872,042; Aug. 16.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Wear plate for harvester knife bars. 1,872,172; Aug. 16.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Combine. 1,889,565; Nov. 29.
Paradise, Louis A., and E. F. Huddle, assignors to Deere & Company, Moline, Ill. Combined harvester and thresher. 1,846,691; Feb. 23.
Paradise, Louis A., and W. T. Coultas, assignors to Deere & Company, Moline, Ill. Corn picking machine. 1,853,176; Apr. 12.
Paradise, Louis A., and E. F. Huddle, assignors to Deere & Company, Moline, Ill. Grain storage tank for threshers. 1,862,159; June 7.

Paradise, Louis A., and E. F. Huddle, assignors to Deere & Company, Moline, Ill. Grain storage tank for threshers. 1,869,581; Aug. 2.
Paradise, Louis A., and W. J. Coultas, assignors to Deere & Company, Moline, Ill. Corn harvester. 1,870,420; Aug. 9.
Paradise, Louis A., and W. J. Coultas, assignors to Deere & Company, Moline, Ill. Corn picker. 1,877,957; Sept. 20.
Paradon Company, The. (See Fulton, William H., assignor.)
Paraffine Companies, Inc., The. (See Finley, Dozier, assignor.)
Paraffine Companies, Inc., The. (See Greig, William R., assignor.)
Paraffine Companies, Inc., The. (See Lowe, William H., assignor.)
Paraffine Companies, Inc., The. (See Nutting, Willard H., assignor.)
Paraffine Companies, Inc., The. (See Rosener, Leland S., assignor.)
Paragon Revolute Corporation. (See Sullivan, Warren L., assignor.)
Paramount Electric Mfg. Co. (See Murad, Walter, assignor.)
Paramount Famous Lasky Corporation et al. (See del Riccio, Lorenzo, assignor.)
Paramount Publix Corporation. (See Barkelew, James T., assignor.)
Paramount Publix Corporation. (See Edouart, Alexander F., assignor.)
Paramount Publix Corporation. (See Garbutt, Frank E., and Ingman, assignors.)
Paramount Publix Corporation. (See Ingman, T. M., Garbutt, and Barkelew, assignors.)
Paramount Publix Corporation. (See La Grande, Frank, assignor.)
Paramount Publix Corporation. (See Rudolph, W. F., Hunt, and Cunningham, assignors.)
Paramount Publix Corporation. (See Twining, S., and Ingman, assignors.)
Paramount Textile Machinery Co. (See La Montagne, P. F., and Prosser, assignors.)
Paramount Textile Machinery Co. (See Prosser, T. W., Wahlbeck, and Mitteistadt, assignors.)
Paramount Textile Machinery Co. (See Randall, Edison E., assignor.)
Paratex Corporation, The. (See Robertson, James B. and G., assignors.)
Parco Specialty Co. (See Evans, Harold A., assignor.)
Parco Specialty Co. (See Hansen, Sinius M., assignor.)
Parco Specialty Co. (See O'Donnell, Philip L., assignor.)
Pardee, Frank, Jr. (See Pardee, F. and F., Jr.)
Pardee, Frank, jr., Hazelton, Pa. Combined car dumping and coal lowering apparatus. 1,836,117; Nov. 1.
Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Discharge chute. 1,839,494; Jan. 5.
Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Combined lowering and withdrawal chute. 1,861,976; June 7.
Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Separator. 1,863,027; June 14.
Pardee, Frank, jr., assignor to Anthracite Separator Company, Hazleton, Pa. Loading chute. 1,863,028; June 14.
Pardee, Frank, jr., assignor to Anthracite Separator Company, Hazleton, Pa. Apparatus for lowering coal and the like. 1,866,720; July 12.
Pardee, Frank, jr., assignor to Anthracite Separator Company, Hazleton, Pa. Bag loading chute. 1,874,343; Aug. 30.
Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Flexible lowering apparatus. 1,886,901; Nov. 8.
Pardee, Frank, and F. Pardee, jr., assignors to Anthracite Separator Company, Hazleton, Pa. Coal drier. 1,880,273; Oct. 4.
Pardee, Harvey S. (See Blackhall, J. R., and Pardee.)
Pardee, Harvey S., Ravinia, Ill., assignor to D. G. Haynes, St. Louis, Mo. Power apparatus. 1,847,260; Mar. 1.
Pardee, Harvey S., Ravinia, assignor to J. R. Blackhall, Highwood, Ill. Pressure system. 1,853,925; Apr. 12.
Pardee, Harvey S., Ravinia, assignor to J. R. Blackhall, Highwood, Ill. Control system. 1,881,909; Oct. 11.
Pardee, Harvey S., Ravinia, assignor to John R. Blackhall, Highwood, Ill. Brake. 1,882,873; Oct. 18.
Pardee, Harvey S., Ravinia, and B. Kirk, Chicago, Ill., assignors to Auto Radiator Manufacturing Company, Chicago, Ill. Combined radiator shell and deflector. Des. 86,971; May 17.
Pardee, Lloyd W., Lakewood, assignor to The Scott and Fetzer Company, Cleveland, Ohio. Electric suction cleaner. 1,843,901; Feb. 2.
Pardee, Robert J., Cleveland Heights, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Briquetting machine. 1,849,027; Mar. 8.
Pardee, Robert J., Cleveland Heights, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Hydraulic connection for presses. 1,870,527; Aug. 9.
Pardew, Arthur H., Sherrill, assignor to Oneida Community, Limited, Oneida, N. Y. Soldering apparatus. 1,890,362; Dec. 6.
Pardieck, Myron A., et al. (See Dahl, Conrad, assignor.)
Pardoe, William S., Philadelphia, Pa. Venturi meter. 1,850,030; Mar. 15.
Paré, Victor T., Long Beach, Ind. Electrical apparatus. 1,872,799; Aug. 23.
Pareira, Fred. (See Troendly, H. P., and Pareira.)
Pareira, Fred, assignor to Health Developing Apparatus Co. Inc., New York, N. Y. Rowing machine. 1,866,860; July 12.
Parel, James I., Cherokee, Iowa. Nozzle tip and spreader for locomotives. 1,858,690; Nov. 22.
Parent, Emile J., Hartford, assignor to The Whitlock Coil Pipe Company, West Hartford, Conn. Heat exchanger. 1,852,268; Apr. 5.
Parent, Emile J., Hartford, assignor to The Whitlock Coil Pipe Company, West Hartford, Conn. Heat exchanger. 1,879,943; Sept. 27.
Parent, Emile J., Hartford, assignor to The Whitlock Coil Pipe Company, West Hartford, Conn. Water heating system. 1,890,265; Dec. 6.
Parent, Joseph A., East Grand Forks, Minn. Potato digger. 1,857,212; May 10.
Parent, Louis E., Claremont, N. H., assignor to Claremont Waste Manufacturing Company. Rotary cutter. 1,861,064; May 31.
Parenza, Ermanno. (See De Bobrovsky, T. N., and Parenzan.)
Parfett, Frank, assignor of one-half to M. Zang, London, England. Apparatus for delivering articles. 1,853,926; Apr. 12.
Parham, Edwin A., Jackson, Mich. Automatic variable pitch propeller. 1,841,497; Jan. 12.
Parham, Sidney F., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Continuous two-table forming machine. 1,868,248; July 19.
Parham, Sidney F., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Continuous two-table forming machine. 1,868,249; July 19.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Match-strip feeding mechanisms. 1,886,495; Nov. 8.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Pneumatic-control means for paper feeding and folding mechanisms. 1,886,496; Nov. 8.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Machine for packing matches. 1,886,941; Nov. 8.
Parietti, Jose D., Paysandu, Uruguay. Apparatus for the transfusion of blood. 1,863,994; June 21.
Paris, Hugh P., and Paris, Ross County, assignor to Paris Transit Mixer Company, Seattle, Wash. Baffle plate arrangement and design for concrete mixers. 1,890,002; Dec. 6.
Paris, Jean, Cincinnati, Ohio. Dough molding machine. 1,882,160; Oct. 11.
Paris, Robert Edward, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Perforated card controlled machine. 1,864,051; June 21.
Paris, Thomas, Los Angeles, Calif. Exercising device. 1,854,059; Apr. 12.
Paris Transit Mixer Company. (See Paris, Hugh P., assignor.)
Parish, Richard L. (See Kionka, Carl P., assignor.)
Parisian Novelty Company. (See Komorous, Joseph, assignor.)
Park, Alfred E., et al. (See Wenner, Ira R., assignor.)
Park, Allan J., Lakewood, Ohio. Connecter for batteries and similar devices. 1,861,451; June 7.
Park, Carl P., Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Spool. 1,874,606; Aug. 30.
Park, Carl P., Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Multiple bit boring machine with reciprocating heads. 1,874,607; Aug. 30.
Park, Carl P., Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Multiple bit boring machine. 1,874,608; Aug. 30.
Park, Charles R., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Forming rubber strips from latex. 1,866,820; July 12.
Park, Chong S., deceased, by Mong Y. Chung, Sacramento, Calif., administrator. Automobile signal casing. Des. 87,127; June 7.
Park, Gene J., New York, N. Y. Airship propeller. 1,863,582; June 21.
Park, Gene J., and G. Antol, New York, N. Y. Airplane wing. 1,871,465; Aug. 16.
Park, James R. (See d'Leny, W. C., and Park.)
Park, Philip R., Buffalo, N. Y., assignor to Philip R. Park, Inc., San Pedro, Calif. Marine plant product and making the same. 1,875,352; Sept. 6.
Park, Philip R., Inc. (See Park, Philip R., assignor.)
Park, Phocian S., Houston, Tex. Refreshment tray. 1,888,726; Nov. 22.
Park & Tilford. (See Joseph, Mae, assignor.)
Park, Wallace S. (See Gentry, H. L., and Park.)
Parke, Charles S. (See Harshaw, W. J., and Parke.)
Parke, Davis & Co. (See Colton, Arthur, assignor.)
Parke, Davis & Company. (See Hamilton, Cliff S., assignor.)
Parke, Davis & Company. (See Hanson, Adolph M., assignor.)

Parke, Davis & Company. (See Palmer, Charles S., assignor.)
Parke, Davis & Company. (See Wilkie, Warren, assignor.)
Parke, Davis & Company. (See Wilkie, W., and Leverenz, assignors.)
Parke, Henry C. (See McCombs, W. A., and Parke.)
Parker, A. C. (See Henderson, Nelson H., assignor.)
Parker, A. G., & Company Limited. (See Hale, Alfred T. C., assignor.)
Parker, Albert E., Philadelphia, Pa. Needle straightening clamp. 1,830,979; Oct. 4.
Parker, Albert F., Halton, near Leeds, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England. Stop motion mechanism for drawing frames used in the treatment of fibrous substances. 1,892,116; Dec. 27.
Parker, Alexander, Etna, Calif. Water elevator. 1,868,219; July 19.
Parker, Alice B., Venice, Calif. Lingerie clasp. 1,865,040; June 28.
Parker, Allen, Waterloo, N. Y. Aeroplane safety wing construction. 1,862,939; June 14.
Parker, Arthur C., Elkhart, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner apparatus control mechanism. 1,877,037; Sept. 13.
Parker, Arthur H. (See Sebell, Harry, assignor.)
Parker, Arthur L., Cleveland, Ohio. Tank flange coupling. 1,874,102; Nov. 8.
Parker, Arthur L., Brookline, Pa., assignor to The Dictatype Shorthand Machine Company, Inc. Keyboard for multiple impression typewriters. 1,843,929; Feb. 9.
Parker, Arthur R., Bridgeport, Conn., J. A. MacCormack, Bloomfield, N. J., and R. J. S. Pigott, New York, N. Y. Burning fluid fuel. 1,846,978; Feb. 23.
Parker, Arthur R., Bridgeport, Conn., J. A. MacCormack, Bloomfield, and R. J. S. Pigott, Upper Montclair, N. J. Apparatus for burning fluid fuel. 1,847,020; Feb. 23.
Parker, Benjamin F. (See Parker, Cecil T. and B. F.)
Parker, Bernhardt, New York, N. Y. Garbage utilization and disposal plant. 1,850,832; Mar. 22.
Parker, Cecil C., Buffalo, N. Y. Method of incinerating. 1,877,580; Sept. 13.
Parker, Cecil J., Govans, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Making bottle caps. 1,869,219; May 17.
Parker, Cecil T. and B. F., Yakima, Wash. Fruit picking knife. 1,891,688; Dec. 20.
Parker, Charles A., Knoxville, Tenn. Clock. 1,851,982; Apr. 5.
Parker, Charles, Company, The. (See Parker, Charles S., assignor.)
Parker, Charles, Company, The. (See Turner, Lewis L., assignor.)
Parker, Charles H., Codsall, assignor to Low Temperature Carbonisation Limited, London, England. Retort for the distillation of coal and other solid carbonaceous substances. 1,860,591; May 31.
Parker, Charles S., assignor to The Charles Parker Company, Meriden, Conn. Shelf bracket. 1,877,196; Sept. 13.
Parker, Clara B., executrix. (See Parker, George D.)
Parker, Clara B., executrix. (See Twomley, Herbert E.)
Parker, Clara B., executrix. (See Whipple, C. E., and Ross.)
Parker, Clark W., et al. (See Nankivell, Frank J., assignor.)
Parker, Clark W., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Lubricating apparatus. 1,881,094; Oct. 4.
Parker, Cyrus J., deceased; Mary E. Parker, executrix, assignor to Parker Firearm Manufacturing Company, Portland, Oreg. Round tuyère for furnaces. 1,858,683; May 17.
Parker, Cyrus J., deceased, C. T. Burg, and A. O. Dady Portland, Oreg.; said Burg and said Dady assignors to said Parker; M. E. Parker, executrix. Coal burner. 1,844,042; Feb. 9.
Parker, Edward E., Pittsburgh, Pa. Wagon. 1,849,018; Mar. 8.
Parker, Elbert A. (See Millis, C. T., jr., and Parker.)
Parker, Elmer E., Grand Rapids, Mich. Brake shoe reliner. 1,869,343; July 26.
Parker, Elwell, Electric Company, The. (See Cochran, Clyde E., assignor.)
Parker, Eugene L., Mount Pleasant, Tenn. Process for determining the quantity of potassium in fertilizers. 1,868,364; July 19.
Parker, Frank C., Norristown, Pa. Focusing device. 1,854,665; Apr. 19.
Parker, Fred B., assignor to W. S. Dickey Clay Manufacturing Company, Kansas City, Mo. Coping tile. 1,884,522; Oct. 25.
Parker, George. (See Buttress, Joseph A., assignor.)
Parker, George. (See Twomley, Herbert E.)
Parker, George D. (See Twomley, Herbert E., assignor.)
Parker, George D., Estate of. (See Whipple, C. E., and Ross, assignors.)
Parker, George D., deceased, Riverside, Calif., by C. B. Parker, executrix. Apparatus for wire binding boxes. 1,875,259; Aug. 30.
Parker, George D., deceased, Riverside, by C. B. Parker, executrix, assignor of one-half to J. M. Loaver, jr., Oakland, Calif. Bundle binding and tying machine. 1,875,260; Aug. 30.
Parker, George D., deceased, Riverside, Calif.; Clara B. Parker, executrix. Machine for making crates. 1,890,586; Dec. 13.
Parker, George E., Fonda, N. Y. Combination window awning and ventilator. 1,862,967; June 14.
Parker, Guy E. (See Seaholm, E. W., Parker, and Stahlbuth.)
Parker, Harry E., and S. M. Stewart, Quincy, Mass., assignors to Bethlehem Steel Company. Electric welding system. 1,864,610; June 28.
Parker, Harry T., Oakland, Calif., assignor to The Stanley Works, New Britain, Conn. Mortising machine. 1,846,749; Feb. 23.
Parker, Harry T., assignor to The Stanley Works, New Britain, Conn. Mortising tool. 1,879,454; Sept. 27.
Parker, Henry C., assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical measuring instrument. 1,840,635; Jan. 12.
Parker, Henry C., Maywood, N. J., assignor to Bergen Building Block Company. Tamper control mechanism. 1,868,072; July 19.
Parker, Henry C., and W. N. Greer, assignors to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for obtaining ion concentration effects. 1,846,354; Feb. 23.
Parker, Henry W., Toronto, assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Cathode for thermionic tubes. 1,852,023; Apr. 5.
Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Thermionic tube. 1,881,910; Oct. 11.
Parker, Henry W., assignor to Rogers Radio Tubes Limited, Toronto, Ontario, Canada. Thermionic tube. 1,889,105; Nov. 29.
Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Thermionic tube. 1,889,106; Nov. 29.
Parker, Herschel C., Los Angeles, Calif. Extracting gold. Solutions. 1,889,489; Nov. 29.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Pipe trimming apparatus. 1,841,550; Jan. 19.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Method of and apparatus for compressing and truing fiber tubes. 1,849,111; Mar. 15.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Coupling fiber conduits. 1,853,698; Apr. 12.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Multiple conduit and tie element therefor. 1,864,611; June 28.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Method of and apparatus for paper making. 1,867,588; July 19.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Core for textiles. 1,881,911; Oct. 11.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Method of and apparatus for making multiply paper. 1,881,912; Oct. 11.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Laying multiple conduit and coupling for same. 1,881,913; Oct. 11.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Multiple cylinder paper making machine. 1,881,914; Oct. 11.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Coupling for fiber pipe. 1,881,915; Oct. 11.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Forming fibrous bell-mouth tube ends. 1,881,916; Oct. 11.
Parker, Hubbard G., Burlingame, assignor to Standard Stations, Inc., San Francisco, Calif. Pedestal desk. Des. 88,820; Dec. 27.
Parker, Hugh B., Jacksonville, Fla. Carburetor. 1,857,030; May 3.
Parker, Humphrey F. (See House, B. E., and Parker.)
Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake adjuster. 1,862,278; June 7.
Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,391; Sept. 6.
Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,392; Sept. 6.
Parker, Ira J., Coffeyville, Kans. Pump. 1,870,137; Aug. 2.
Parker, James D., Kansas City, Kans. Suction and exhaust fan. 1,856,398; May 3.
Parker, James J., Absecon, N. J. Tappet valve. 1,875,758; Sept. 6.
Parker, James R., Russellville, Ark. Milk cap dispenser. 1,889,875; Dec. 6.
Parker, James W., Ann Arbor Township, Washtenaw County, Mich. and J. E. Black, Rumson, N. J.; said Black assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,878,176; Sept. 20.
Parker, John S., Cleveland, Ohio. Chain block. 1,878,312; Sept. 20.
Parker, John W., Detroit, Mich. Bearing. 1,886,219; Nov. 1.
Parker, Joseph O. (See Albritton, Dez, assignor.)

Parker, Kenneth S., I. D. Tefft, and W. Paquette, assignors to The Parker Pen Company, Janesville, Wis. Desk set mounting. 1,853,876; Apr. 12.
Parker, Leslie O., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Contact plug for combination lamps. 1,871,910; Aug. 16.
Parker, Mary E., executrix. (See Parker, Cyrus J.)
Parker, Mary E., executrix. (See Parker, C. J., Burg, and Dady.)
Parker, Mary G. (See Allen, G. N., Parker, and Kessegger.)
Parker, Mary G. (See Bedford, E. B., and Parker.)
Parker, Oliver L., Greeley, Colo. Toy football game. 1,870,138; Aug. 2.
Parker, Orrel A., assignor to The Parker Wheel Company, Cleveland, Ohio. Automobile wheel. 1,850,357; Oct. 4.
Parker, Orville J. (See Edwards, H., Parker, and Arnot.)
Parker Pen Company, The. (See Fuerst, Edwin W., assignor.)
Parker Pen Company, The. (See Guyot, Walter E., assignor.)
Parker Pen Company, The. (See Parker K. S., and Paquette, assignors.)
Parker Pen Company, The. (See Platt, J. B., and Tefft, assignors.)
Parker Pen Company, The. (See Tefft, Ivan D., assignor.)
Parker-Regan Corporation. (See Regan, George P., assignor.)
Parker, Richard B., Skaneateles, assignor to S. E. Darby, trustee, New York, N. Y. Apparatus for extracting the volatile constituents from carbonaceous materials. 1,842,886; Jan. 26.
Parker, Richard B., Skaneateles, N. Y., assignor to S. E. Darby, Palisade, N. J., trustee. Grate structure for retorts and the like. 1,852,433; Apr. 5.
Parker, Russell C., Janesville, Wis. Fountain pen. Des. 87,792; Sept. 20.
Parker Rust Proof Company. (See Allen, William H., assignor.)
Parker Rust-Proof Company. (See Darsey, Van M., assignor.)
Parker Rust-Proof Company. (See Green, M., and Jones, assignors.)
Parker Rust-Proof Company. (See Jones, Elmer M., assignor.)
Parker Rust-Proof Company. (See Tanner, Robert R., assignor.)
Parker Rust Proof Company. (See Tanner, R. R., and Darsey, assignors.)
Parker Rust-Proof Company. (See Thompson, J. S., and Tanner, assignors.)
Parker, Ruth F., Minneapolis, Minn. Anaesthetic inhaler. 1,866,667; July 12.
Parker, Thomas Hurst, Lincoln, England. Sound reproducing mechanism. 1,868,296; July 19.
Parker, Thomas P., Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Miter for sheet metal corner beads. 1,841,670; Jan. 19.
Parker, Walter H., Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid dispensing apparatus. 1,846,899; Feb. 23.
Parker, Walter H., Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid level indicating means. 1,861,715; June 7.
Parker, Walter H., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pumping apparatus. 1,871,123; Aug. 9.
Parker, Wayeard D., Bay Village, assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,865,784; July 5.
Parker, Willard H., Fairfield, Iowa, and A. P. Cannon, Keithsburg, Ill. Adjustable garment support. 1,858,595; May 17.
Parker, William, Oak Park, assignor to Grigsby-Grunow Company, Chicago, Ill. Wire working apparatus. 1,853,877; Apr. 12.
Parker, William, Oak Park, assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,885,758; Nov. 1.
Parker, William G., Lakeland, Fla. Cooling the head of one having a permanent wave. 1,871,553; Aug. 16.
Parker, William S., assignor to Parson Knitting Company, Rockford, Ill. Dust puff. 1,865,785; July 5.
Parker Wire Goods Company. (See Nester, Howard W., assignor.)
Parker Wire Goods Company. (See Ribb, Carl H., assignor.)
Parker Wheel Company, The. (See Parker, Orrel A., assignor.)
Parkersburg Rig & Reel Company, The. (See Schwemlein, William, assignor.)
Parkes, William N., Brooklyn, assignor to The Singer Manufacturing Company, New York, N. Y. Sewing machine. 1,884,177; Oct. 25.
Parkes, William N., Brooklyn, assignor to The Singer Manufacturing Company, New York, N. Y. Sewing machine. 1,884,178; Oct. 25.
Parkhill, Mortimer S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device for internal combustion engines. 1,856,584; May 3.
Parkhurst, Charles E. (See Pervier, William A., assignor.)
Parkhurst, Frederic A. (See Elliot, W. S., and Parkhurst.)
Parkhurst, Frederic A., Bethesda, Md., assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Wilmington, Del. Making toothbrush handles. 1,839,699; Jan. 5.
Parkhurst, Frederic A., Bethesda, Md., assignor to The Fibrloid Corporation, Indian Orchard, Mass. Machine for extruding plastics. 1,844,972; Feb. 16.
Parkhurst, Frederic A., Bethesda, Md., assignor to The Fibrloid Corporation, Indian Orchard, Mass. Apparatus for forming sheet material. 1,881,917; Oct. 11.
Parkhurst, Lester L., Little Rock, Iowa. Circuit maker and breaker for sale alarms. 1,861,547; June 7.
Parkhurst Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Micrometer caliper. 1,846,226; Jan. 5.
Parkhurst Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Measuring machine. 1,845,437; Feb. 16.
Parkhurst, Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co. Providence, R. I. Clamp block. 1,845,438; Feb. 16.
Parkhurst, Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Measuring machine. 1,857,088; May 3.
Parkin, John G., New York, N. Y. Electrical appliance. 1,862,096; June 7.
Parkin, Joseph W., sr., Philadelphia, Pa. Carburetor. 1,849,720; Mar. 15.
Parkin, Winfred T., assignor to Theodore W. Foster & Brother Co., Providence, R. I. Vanity case. 1,875,127; Aug. 30.
Parkinson, John J., Chicago, Ill. Hot water supply device. 1,856,504; May 3.
Parkinson, Ralph D. (See Cope, E. T., Parkinson, and Price.)
Parkman, Walter M., Jackson, assignor of twenty-three one hundredths to S. S. Watson, Lexington, Miss. Apparatus for separating a plurality of condensates of the hydrocarbon constituents of natural gas. 1,875,199; Aug. 30.
Park Place Discount Co. (See Rochestie, B. B., and Jaeger assignors.)
Parks, Albert F., assignor to Norwalk Company, Inc., South Norwalk, Conn. Fluid compressor regulating valve. 1,884,179; Oct. 25.
Parks, Charles W., Wilmington, Los Angeles, Calif. Preparing clay products. 1,848,743; Mar. 8.
Parks-Cramer Company. (See Lytton, Cullen L., assignee.)
Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Traversing-means for winding machines. 1,882,280; Oct. 11.
Parks, Dennis, St. Louis, Mo. Leather grading machine. 1,875,584; Sept. 6.
Parks, Fred E., Grand Rapids, Mich. Internal combustion engine. 1,848,384; Mar. 8.
Parks, Merritt G., Gary, Ind. Machine for forming and applying plastic gaskets to jar caps. 1,884,823; Oct. 25.
Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Heating and ventilating system. 1,870,026; Aug. 2.
Parks, Ralph C., and M. C. Eldredge, Chicago, Ill. Cutting or marking tool. 1,870,585; Aug. 9.
Parks, Robert F., Compton, Calif. Elevating and rotating device. 1,891,832; Dec. 20.
Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
Parkyn, W. B. (See Andresen, George, assignor.)
Parlante, Frank, Brooklyn, N. Y. Shoe. 1,864,506; June 21.
Parlato, Peter, New York, N. Y. Lamp torchère with luminous reflector. Des. 87,128; June 7.
Parmelee, Alfred E. (See Calcott, W. S., and Parmelee.)
Parnell, Leopold, Jersey City, N. J. Stereoscope. 1,850,153; Mar. 22.
Parr, Alfred, Lewisham, London, England. Machine or device for applying labels to cylindrical articles. 1,881,125; Oct. 4.
Parr, George T., St. Paul, Minn. Ice cream container. 1,850,356; Mar. 22.
Parr, George T., St. Paul, Minn. Machine for making pie shaped receptacles. 1,874,608; Aug. 30.
Parr, Harry L., Yonkers, N. Y., assignor, by mesne assignments, to Automotive Accessories Company, Detroit, Mich. Method and apparatus for removing sediment from automobile cooling systems. 1,887,781; Nov. 15.
Parr, Samuel W., and T. E. Layng, assignors, by mesne assignments, to Urbana Coke Corporation, Urbana, Ill. Apparatus for coking coal. 1,874,344; Aug. 30.
Parr, Thomas C., Shaker Heights, Ohio. Composition of matter. 1,889,842; Dec. 6.
Parr, Webster A., Alameda, assignor to W. A. Parr, Alameda, D. C. Baker, Oakland, C. G. Johnson, Alameda, and J. E. Baker, Oakland, Calif. Automatic hamburger forming and frying machine. 1,881,126; Oct. 4.
Parrella, Joseph A., Washington, D. C. Key pouch. 1,848,971; Mar. 8.
Parrella, Joseph M. (See De Minno, A. M., and Parrella.)

Parrish, Benjamin E., Cody, Wyo., and W. N. Black, Tuxpan, Mexico, assignors of one-half to J. H. Reynolds, Houston, Tex. Grief steam. 1,847,455; Sept. 27.

Parrish, Cecil C., Donora, Pa. Tiltable vessel. 1,847,782; Mar. 1.

Parrish, James R., Nashville, Tenn. Drafting penwiper. 1,848,381; Mar. 8.

Parrish, Lee M., and F. G. Kelbsch, Redfield, S. Dak. Locomotor. 1,868,945; July 26.

Parrish, Richard, assignor of one-third to H. W. Levin, one-third to W. C. Bennett, Detroit, and one-third to J. A. Bedford, Royal Oak, Mich. Cable connection. 1,845 679; Feb. 16.

Parrish, Wilbur G., Chicago, Ill. Vending machine. 1,848,285; Jan. 19.

Parrott, Warley L., East Orange, N. J., assignor to Westinghouse Lamp Company, Manufacturing noninductive helical filaments. 1,853,442; July 5.

Parrott, Whipple O., Chicago, Ill. Play device. 1,874,345; Aug. 30.

Parshall, Ralph L., Fort Collins, Colo., dedicated by assignment to the Government and people of the United States of America. Vortex sand trap and deflector riffle. 1,858,231; May 10.

Parson, Charles E. (See McMaster, A. J., and Parson.)

Parson, Harold A., Fawn Lake, Alberta, Canada. Railway crossing signal and guard. 1,885,759; Nov. 1.

Parson, Ralph M. (See Burkart, W., and Parsons, assignors.)

Parson, Walter. (See Weimer, A. W., and Smith.)

Parsons, Charles Algernon. (See Cook, S. S., Bennett, and Parsons.)

Parsons, Charles A., deceased, Newcastle-on-the-Tyne, by K. Parsons, Kirkwhelpington, V. Thompson, Newcastle-on-Tyne, and F. G. H. Bedford, Wylam-on-Tyne, England, legal representatives. Gland suitable for turbine shafts. 1,847,147; Mar 31.

Parsons, Charles A., deceased, and J. Rosen, Newcastle-on-Tyne, England; said Rosen assignor to said Parsons; Katharine Parsons, V. Thompson, and F. G. H. Bedford, legal representatives. Brush gear for dynamo-electric machines. 1,839,890; Jan. 5.

Parsons, Charles A., deceased, S. S. Cook, and L. M. Douglas; said Cook and Douglas assignors to said Parsons; K. Parsons, V. Thompson, and F. G. H. Bedford, legal representatives, Heaton Mesnes, Newcastle-on-Tyne, England. Steam turbine and valves therefor. 1,855,362; Apr. 26.

Parsons, Charles A., deceased, A. Q. Carnegie, and F. W. Gardner, Newcastle-on-Tyne, England; said Carnegie and said Gardner assignors to said Parsons; K. Parsons, V. Thompson, and F. G. H. Bedford, legal representatives. Elastic fluid turbine. 1,862,579; June 14.

Parsons, Charles A., A. Q. Carnegie, and F. W. Gardner, Newcastle-on-Tyne, England; said Carnegie and said Gardner, assignors to said Parsons; K. Parsons, V. Thompson, and F. G. H. Bedford, legal representatives of C. A. Parsons, deceased. Steam turbine. 1,862,827; June 14.

Parsons, Charles A., deceased, and H. M. Duncan, Newcastle-on-Tyne, England; said Duncan assignor to said Parsons, K. Parsons, V. Thompson, and F. G. H. Bedford, legal representatives. Casting of ingots. 1,865,041; June 28.

Parsons, Clinton H., assignor to Swift & Company, Chicago, Ill. Preparing a meat cheese loaf. 1,847,223; Mar. 1.

Parsons, Clinton H., assignor to Swift & Company, Chicago, Ill. New food product. 1,852,259; Apr. 5.

Parsons, Clinton H., assignor, by mesne assignments, to Industrial Corporation, Chicago, Ill. Egg separator. 1,868,336; July 19.

Parsons Company, The. (See Vaughn, George A., assignor.)

Parsons, Edward T., Upper Montclair, N. J., assignor to Thomson Machine Company, Belleville, N. J. Flour duster. 1,856,585; May 3.

Parsons, F. (See Berg, F., and Howard H., assignor.)

Parsons, Frank B., Plainville, Conn. Antiskid chain. 1,878,291; Sept. 20.

Parsons, Fred A. (See Hill, John W., assignor.)

Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool structure. 1,833 ; Nov. 10.

Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 1,891,636; Dec. 20.

Parsons, Frederick W., sr., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Engine. 1,890,914; Dec. 13.

Parsons, Ian H., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing photographic developers. 1,864,091; June 21.

Parsons, Jay C., Chicago, Ill., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,871,911; Aug. 16.

Parsons, John, Coventry, England. Preventing wear of socks and stockings. 1,864,465; June 21.

Parsons, John, Montclair, N. J., and J. H. Stover, Mt. Kisco, N. Y., assignors to Pan-Ross Laboratories, Inc., Belleville, N. J. Fuse composition. 1,875,932; Sept. 6.

Parsons, John S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Alternating current distribution system. 1,870,784; Aug. 9.

Parsons, John S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. System of alternating-current distribution. 1,883,237; Oct. 18.

Parsons, Katharine, et al. (See Parsons, C. A., and Rosen.)

Parsons, Katherine, executrix. (See Cook, S. S., Bennett, and Parsons.)

Parsons, Katharine, et al., legal representatives. (See Parsons, Charles A.)

Parsons, Katharine, et al., legal representatives. (See Parsons, C. A., Carnegie, and Gardner.)

Parsons, Katharine, et al., legal representatives. (See Parsons, C. A., and Duncan.)

Parsons, Katharine, et al., representatives. (See Parsons, L. M., Cook, and Douglas.)

Parsons, Leslie E., Lorenzo, Nebr. Goggles. 1,843,833; Feb. 2.

Parsons, Lillian B., assignor of one-half to J. L. Valley, Pickens, S. C. Writing instrument. 1,879,456; Sept. 27.

Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Albany, N. Y. Treadle-switch. 1,856,497; Nov. 8.

Parsons, Wallace E., Waterville, and E. H. Boody, assignors, by mesne assignments, to Fidelity Trust Company, Portland, Me. Packaging. 1,871,805; Aug. 16.

Parten, Gustave A., Minneapolis, Minn. Carving machine of multiple type. 1,844,323; Feb. 9.

Partiot, Maurice, Paterson, N. J. Fabric printing machine. 1,845,553; Feb. 16.

Partiot, Maurice, Paterson, N. J. Hinged box and method of assembly. 1,877,038; Sept. 13.

Partiot, Maurice, Paterson, N. J. Hinged box and method of assembly. 1,877,039; Sept. 13.

Partition Machinery, Inc. (See Jensen, Walter E., assignor.)

Partlow Corporation, The. (See Partlow, Howard W., assignor.)

Partlow, Howard W., Utica, assignor to The Partlow Corporation, New Hartford, N. Y. Temperature control. 1,861,509; June 7.

Partlow, James P., Columbiana, and H. L. Powell, Canfield, Ohio. Game table. Des. 87,977; Oct. 18.

Parton, Agnes, Rye, N. Y. Animal-like pull-toy. 1,849,533; Mar. 15.

Partridge, Frank H., et al. (See Salmon, Benjamin J., assignor.)

Partridge, John H., jr., Lakeview, Oreg. Automobile safety signal. 1,854,347; Apr. 19.

Partridge, Nellie H., Chicago, Ill. Humidifier and the like. 1,842,489; Jan. 26.

Partyka, Kazimierz. (See Bazylewicz-Kniazykowski, E., and Partyka.)

Parva Products Company. (See Troendly, Harry P., assignor.)

Parva Products Company. (See White, Birdora H., assignor.)

Parvin, Edward G., Roselle, assignor to Zobell Electric Motor Corporation, Garwood, N. J. Alternating current motor. 1,851,591; Mar. 29.

Pascale, Pasquale, New York, N. Y., assignor to Dri-Steam Valve Corporation, a corporation for separating liquids from saturated fluids. 1,869,771; Aug. 2.

Pascetti, Frank, Detroit, Mich. Riding toy. 1,877,040; Sept. 13.

Paschall, Jacques C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,872,173; Aug. 16.

Paschall, Jacques C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing plate and method of making. 1,872,174; Aug. 16.

Paschall, Frederick G., Brooklyn, N. Y. Radio grid leak. 1,891,053; Dec. 13.

Paschen, Paul, and G. Mohr, Nuremberg, Germany, assignors to Westinghouse Electric and Manufacturing Company. Time switch. 1,851,592; Mar. 29.

Paschke, Charles H., Buffalo, N. Y., assignor to F. A. Paschke, Sweetwater, Idaho. Fuel burner. 1,874,346; Aug. 30.

Paschke, Frederick A. (See Paschke, Charles H., assignor.)

Pasco, Michael, Sacramento, Calif. Spark plug. 1,857,739; May 10.

Pascoe, Harold B., and A. Martin, Brooklyn, N. Y. Screen hanger or bracket. 1,850,687; Mar. 22.

Pascoe, William, Norway, Mich. Wrench. 1,869,526; Aug. 2.

Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 86,853; Apr. 26.

Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 86,854; Apr. 26.

Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 86,855; Apr. 26.

Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 86,856; Apr. 26.

Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 86,857; Apr. 26.

Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 86,858; Apr. 26.

Pasholk, Pete, Rothschild, Wis. Rotary disk valve. 1,878,535; Sept. 20.

Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Speed controlling mechanism. 1,857,790; May 10.

Pasley, Albert V., Rhea, Ark. Toy aeroplane. 1,868,429; July 19.

Pasman, Abram N., assignor to Scovill Manufacturing Company, Waterbury, Conn. Ball cock. 1,889,566; Nov. 29.

Pass & Seymour, Inc. (See Despard, Victor R., assignor.)

Pass & Seymour, Inc. (See Henry, Gerald J., assignor.)

Pass & Seymour, Inc. (See Russell, Mark N., assignor.)

Pass & Seymour, Inc. (See Watkin, Bertram L., assignor.)

Passanante, Charles G., Jersey City, N. J. Folding table. 1,823,694; Nov. 29.

Passek, George C., Philadelphia, Pa. Radio finder. 1,849,379; Mar. 15.

Passellume, Giovanni, Portland, Oreg. Shoe sole chanceling machine. 1,859,459; May 24.

Pasteris, Edmund E., Weymouth, Mass. Spark plug. 1,849,367; Mar. 15.

Pasternack, Richard, assignor to Charles Pfizer & Company, Brooklyn, N. Y. Dentifrice. 1,861,189; May 31.

Pasternack, Richard, Brooklyn, and W. R. Giles, Richmond Hills, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Production of d-glucono-δ-lactone. 1,862,511; June 7.

Pasternack, Richard, and R. W. Burnham, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Cheese and processing same. 1,890,948; Dec. 13.

Pastor, Thomas, Waterbury, Conn. Stop watch. 1,851,593; Mar. 29.

Pastora, Jerry J., et al. (See Butler, Thomas H., assignor.)

Pat, Louis, Chicago, Ill. Window fastener. 1,868,949; July 26.

Pat, Louis, Chicago, Ill. Necktie holder. 1,868,950; July 26.

Pat, Louis, Chicago, Ill. Exercising device. 1,885,473; Nov. 1.

Pat, Louis, Chicago, Ill. Automobile bumper. 1,885,474; Nov. 1.

Patart, Georges, Paris, France. Synthesizing and separating higher alcohols. 1,859,244; May 17.

Patart, Georges L. B., Paris, France. Separation of the several components of gaseous mixtures. 1,843,043; Jan. 26.

Patch, Allen J., Ripon, Wis. Support for receptacles. 1,841,498; Jan. 19.

Patch, Earl S., assignor to The Moraine Products Company, Dayton, Ohio. Operating piston for liquid meters. 1,877,216; Sept. 13.

Patch, Earl S., assignor to Moraine Products Company, Dayton, Ohio. Engine cooling system. 1,873,146; Aug. 23.

Patchen, Arthur D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tie for mattresses, cushions, etc. 1,858,254; Nov. 8.

Patchen, Robert H. (See Larson, H. W., and Patchen.)

Pate, Sophie, New York, N. Y. Textile fabric or the like. Des. 88,254; Nov. 8.

Pate, Sophie, New York, N. Y. Textile fabric or the like. Des. 88,436; Nov. 29.

Patean, Michel Seize, France, assignor to General Electric Company. Speed responsive means. 1,863,412; June 14.

Patent and Licensing Corporation, The. (See Beckman, Bernard C., assignor.)

Patent and Licensing Corporation, The. (See Brydle, Fenton R., assignor.)

Patent and Licensing Corporation, The. (See Cumfer, Donald A., assignor.)

Patent and Licensing Corporation, The. (See Donahue, Elbert S., assignor.)

Patent and Licensing Corporation. (See Heppes, George P., assignor.)

Patent and Licensing Corporation, The. (See Heppes, Otto A., assignor.)

Patent and Licensing Corporation, The. (See Levin, Harold L., assignor.)

Patent and Licensing Corporation, The. (See Levin, H. L., and Neher, assignors.)

Patent and Licensing Corporation, The. (See Loebel, Zanvil C., assignor.)

Patent and Licensing Corporation, The. (See MacDonald, Charles R., assignor.)

Patent and Licensing Corporation, The. (See McCarthy, John A., assignor.)

Patent and Licensing Corporation, The. (See Overbury, Frederick C., assignor.)

Patent and Licensing Corporation, The. (See Reade, Ralph W., assignor.)

Patent and Licensing Corporation, The. (See Snyder, Gilbert J., assignor.)

Patent and Licensing Corporation, The. (See Walton, Samuel F., assignor.)

Patent and Licensing Corporation, The. (See Wettlaufer, Jules L., assignor.)

Patent and Licensing Corporation, The. (See Wood, Henry F., assignor.)

Patent and Licensing Corporation, The. (See Wood, Henry R., assignor.)

Patentaktiebolaget Grondal-Ramen. (See Haglund, Gustaf, assignor.)

Patentaktiebolaget Grondal-Ramen. (See Lenander, Nils E., assignor.)

Patentaktiebolaget Grondal-Ramen. (See Lenander, N. E., and Ryen, assignors.)

Patent Button Company, The. (See Carley, Leonard R., assignor.)

Patent Button Company, The. (See Carley, L. R., and Abel, assignors.)

Patent Button Company, The. (See Purinton, Forrest G., assignor.)

Patent Development Co. (See Pecker, Joseph S., assignor.)

Patent Finance and Holding Company. (See Blackman, Alexander, assignor.)

Patent Improvement Corporation. (See De Cesare, Matteo, assignor.)

Patent Novelty Company. (See Reimer, George H., assignor.)

Patent Purchasing Company. (See Tryon, William A., assignor.)

Patent-Treuhand-Gesellschaft Fuer Elektrische Gluehlampen m. b. H. (See Ledig, Willy, assignor.)

Patents Incorporated. (See Swan, Harry, assignor.)

Patents & Royalties Corporation. (See Turney, Harry L., assignor.)

Patentverwertunge A. G. "Alpina" S. A. pour l'Exploitation de Brevets "Alpina" Patents Exploitation Cy. "Alpina" Ltd. (See Pfluick, Hermann, assignor.)

Patentverwertungs A. G. "Alpina", S. A. Pour l'Exploitation de Brevets "Alpina" Patents Exploitation Cy. "Alpina" Ltd. (See Ledig, Willy, assignor.)

Pater, Carl J., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Saturating apparatus and method of saturating. 1,862,111; Jan. 19.

Paternayan, Harry M., New York, N. Y. Loom. 1,860,474; May 31.

Paterniti, Salvatore, Detroit, Mich. Smoke precipitating apparatus. 1,869,772; Aug. 2.

Paterson, Dugald S., and G. B. Petsche, assignors to The National Acme Company, Cleveland, Ohio. Screen separating means. 1,848,141; Mar. 8.

Paterson, John C. (See Baker, G. R., and Paterson.)

Paterson, John C., and G. D. Wilson, Willesden, London, England, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Mechanism for discharging biscuits or the like from conveyers. 1,871,276; Aug. 9.

Paterson, John H., Westminster, London, assignor to Imperial Chemical Industries Limited, Westminster, England. Electrode for use in arc welding. 1,888,286; Nov. 22.

Paterson, May H. (See Paterson, William and M. H.)

Paterson Parchment Paper Co., The. (See Dufford, John R., assignor.)

Paterson Reed and Harness Company. (See Robertson, Robert K., assignor.)

Paterson, William and M. H., Oakland, Calif. Motor traction plow. 1,858,749; May 17.

Pathe Cinema, Anciens Etablissements Pathe Freres. (See Merle, André, assignor.)

Pathe Exchange, Inc. (See Adatte, Albert L., assignor.)

"Patiag" Patentverwertungs- und Industrie-Aktiengesellschaft. (See Schmidt, Rudolf, assignor.)

Patinot, Philippe, Brooklyn, N. Y., assignor to Display Price Corporation. Interchangeable character or symbol and holder therefor. 1,869,314; July 26.

Paton, Clyde R., assignor to The Studebaker Corporation, South Bend, Ind. Motor support. 1,855,769; Apr. 26.

Paton, Clyde R., assignor to Packard Motor Car Company, Detroit, Mich. Automobile construction. 1,867,708; July 19.

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,867,709; July 19.

Paton, Clyde R., Birmingham, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Automobile construction. 1,867,752; July 19.

Paton, Clyde R., Birmingham, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Automobile construction. 1,867,753; July 19.

Paton, Clyde R., assignor to The Studebaker Corporation, South Bend, Ind. Motor vehicle. 1,874,609; Aug. 30.

Paton, Clyde R., and W. S. James, assignors to The Studebaker Corporation, South Bend, Ind. Clutch. 1,881,127; Oct. 4.

Paton, Roy W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Internal combustion engine. 1,872,800; Aug. 23.

Patou, Jean, Paris, France. Atomizer. 1,877,252; Sept. 13.

Patriarche, Valance H., Winnipeg, Manitoba, Canada. Variable pitch propeller. 1,844,227; Feb. 9.

Patrick, Harry E., deceased, Ocoee, and I. W. Kureth, Orlando, Fla., assignors of one-third to W. F. Anderson, Wisconsin Rapids, Wis.; L. M. Patrick, executrix of said H. E. Patrick. Transformer-converter. 1,867,754; July 19.

Patrick, Henry F. (See Ferris, W., and Patrick.)

Patrick, Joseph C. (See Mnookin, Nathan M., assignor.)

Patrick, Joseph C., assignor of one-half to N. M. Mnookin, Kansas City, Mo. Rubber composition. 1,854,423; Apr. 19.

Patrick, Joseph C., Trenton, N. J. Making plastic substances and products obtained thereby. 1,890,191; Dec. 9.

Patrick, Joseph C., and N. M. Mnookin, Kansas City, Mo. Vulcanizable compounds and vulcanized products derived therefrom. 1,890,251; Dec. 6.

Patrick, Lena M., executrix. (See Patrick, H. E., and Kureth.)

Patrick, Walter A., and E. H. Barclay, assignors to The Silica Gel Corporation, Baltimore, Md. Preparing tungsten oxide gel. 1,848,266; Mar. 8.

Patrol Valve Company, The. (See Doen, Loran F., assignor.)

Patrol Valve Company, The. (See Evans, Vincent J., assignor.)

Patrol Valve Company, The. (See Te Pas, Edmund J., assignor.)

Patten, Charles H., Cranston, R. I., assignor to General Chain Company. Foldable bracelet buckle. 1,881,918; Oct. 11.

Patten, Ernest L., New Haven, Conn., assignor to The Goodyear's India Rubber Glove Mfg. Co., Naugatuck, N. H. Stripping machine. 1,872,327; Aug. 16.

Patten, James C. (See Thompson, M. M., and Patten.)

Patten, Maxwell L., executrix. (See Thompson, M. M., and Patten.)

Patten, Raymond E., Oak Park, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric toaster. Des. 86,804; Apr. 19.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Coffee maker or similar article. Des. 87,078; May 31.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Coffee maker or similar article. Des. 87,236; June 21.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Coffee maker or similar article. Des. 87,237; June 21.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Coffee maker or similar article. Des. 87,939; Oct. 11.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Coffee maker or similar article. Des. 87,940; Oct. 11.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Creamer or similar article. Des. 88,437; Nov. 29.

Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Sugar bowl or similar article. Des. 88,438; Nov. 29.

Patterson, Alfred B., Tulsa, Okla. Steel building construction. 1,871,913; Aug. 16.

Patterson, Alfred B., assignor to Patterson Steel Company, Tulsa, Okla. Building construction. 1,857,326; May 10.

Patterson, Charles H., Enumclaw. Wash. Colt and calf weaner. 1,844,176; Feb. 9.

Patterson, Clarence D., Jacksonville, Fla., and M. K. Moore, Charleston, S. C., said Patterson assignor to said Moore. Fire door apparatus. 1,884,824; Oct. 25.

Patterson, Clarence L., assignor to The International Manufacturing Company, Cincinnati, Ohio. Lamp control device. 1,861,752; June 7.

Patterson, Edgar W., Los Angeles, Calif. Oil saver. 1,866,903; July 12.

Patterson, Edgar W., Los Angeles, Calif., assignor, by mesne assignments, to Clayton Severns and J. N. Hicks, Oil saver. 1,869,076; July 26.

Patterson, Edgar W., Alhambra, Calif., assignor, by mesne assignments, to L. B. Stiles. Pump. 1,842,628; Jan. 26.

Patterson, Franklin M., Pitman, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Blow-off valve. 1,843,930; Feb. 9.

Patterson, Fred L., Duncan, Okla. Holder for collapsible tubes as an article of manufacture. 1,854,483; Apr. 19.

Patterson, Frederick L., Bradford, Pa. Pan lifter. 1,846,527; Feb. 23.

Patterson, Gordon D. (See Lawers, W. W., and Patterson.)

Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,885,025; Oct. 25.

Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,885,026; Oct. 25.

Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating Composition. 1,885,027; Oct. 25.

Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized composition. 1,889,130; Nov. 29.

Patterson, Harvey L., assignor to T. G. Boman, Grand Rapids, Mich. Anchoring device. 1,846,750; Feb. 23.

Patterson, Harvey L., Grand Rapids, and H. J. Quaife, Wyoming Township, Kent County, Mich. Pipe drawing and holding device. 1,856,966; May 3.

Patterson, Henry M., Richmond, Va. Cooking apparatus. 1,864,928; June 28.

Patterson, Herbert E. (See Freeman, B. W., Herschel, and Patterson.)

Patterson, James O., Lower Merion Township, Montgomery County, Pa. Implement for loosening bottle stoppers. 1,866,125; July 5.

Patterson, John B., Corry, Pa. Bleacher rest member. 1,852,128; Apr. 5.

Patterson, John H., Corry, Pa. Lighting fixture. 1,889,288; Nov. 29.

Patterson, John L., Richmond, Va. Terry-woven fabrics. 1,860,751; Feb. 23.

Patterson, Julius W., Bucyrus, Ohio. Scoop structure. 1,873,018; Aug. 23.

Patterson, Leonard, et al. (See Pinckard, William P., assignor.)

Patterson, Morehead, New York, N. Y., assignor to American Machine & Foundry Company. Cigarette package. 1,846,900; Feb. 23.

Patterson, Morehead, New York, N. Y., assignor to American Machine & Foundry Company. Inclined feed for cigarette machines. 1,885,943; Nov. 1.

Patterson, Robert. (See Andren, L., and Patterson.)

Patterson Steel Company. (See Patterson, Alfred B., assignor.)

Patterson, Thomas A., Lakewood, Ohio. Rubber basin. 1,842,192; Jan. 19.

Patterson, Thomas S., Malaga, N. J., and P. G. Pritz, Germantown, assignors of one-third to J. J. Pritz, Philadelphia, Pa. Beverage mixer and dispenser. 1,861,227; May 31.

Patterson, Ward S., Cranford, N. J., and C. Pierce, Alamorgordo, N. Mex., assignors to International Combustion Engineering Corporation, New York, N. Y. Air heater. 1,875,128; Aug. 30.

Patterson, William G., assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 1,889,759; Dec. 6.

Patterson, William K., Lakewood, assignor to Willard Storage Battery Company, Cleveland, Ohio. Testing storage batteries. 1,877,041; Sept. 13.

Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 1,862,051; June 7.

Pattison, Roscoe C., assignor to Quenchery Company, Rochester, N. Y. Service station. Des. 86,264; Feb. 16.

Patton, Arthur L., Denver, Colo. Thermostat. 1,881,919; Oct. 11.

Patton, James F., Cleveland, Ohio. Method of and mechanism for tapping articles. 1,882,874; Oct. 18.

Patton, Walter D., assignor to North Shore Coke & Chemical Company, Waukegan, Ill. Apparatus for treatment of ammonia still waste. 1,873,629; Aug. 23.

Patton, William W., et al. (See Gillin, Theobald M., assignor.)

Paub, Charles T. (See Meikle, D. G., and Paugh.)

Paul, Amasa C. (See Horton, Elsie H., assignor.)

Paul, Charles F., St. Louis, Mo. Sash trimming machine. 1,847,411; Mar. 1.

Paul, Edwin F., Manchester, Kans. Brooder attachment. 1,871,554; Aug. 16.

Paul, Floyd O., Yoakum, Pa. Portable power driven tool and power converting attachment therefor. 1,864,549; June 28.

Paul, Samuel, Pittsburgh, Pa. Steam generator. 1,885,374; Nov. 1.

Paul, Stephen, assignor to Paul Threadless Bolt Company, Lansing, Mich. Tie rod fastening. Re18,342; Jan. 26.

Paul, Sydney, assignor to Superior Body Company, Lima, Ohio. Window control means. 1,840,485; Jan. 12.

Paul, Talbert W., assignor to Deere & Company, Moline Ill. Draft device for mowers. 1,865,786; July 5.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Mower. 1,877,578; Sept. 13.

Paul, Thomas M., St. Joseph, Mo. Current shut-off mechanism. 1,868,365; July 19.

Paul Threadless Bolt Company. (See Paul, Stephen, assignor.)

Paul, William L., Berkeley, Calif., assignor to Deere and Company Moline, Ill. Power-actuated lifting mechanism for implements. 1,845,178; Feb. 16.

Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Plow. 1,846,652; Feb. 23.

Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Draft attachment. 1,852,537; Apr. 5.

Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Draft attachment. 1,877,579; Sept. 13.

Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,877,958; Sept. 20.

Paulding, John I., Inc. (See Bettencourt, Theodore R., assignor.)

Paulding, John I., Inc. (See Johnson, Frank E., assignor.)

Paulding, John I., Inc. (See Johnson, Gustaf A. and F. E., assignors.)

Paulding, John I., Inc. (See Wack, Henry K., assignor.)

Pauli, Erwin J., Brooklyn, N. Y. Vehicle window. 1,858,109; May 10.

Paulsen, Alex, Lake, assignor, by mesne assignments, to Harnischfeger Corporation, Milwaukee, Wis. Article handling apparatus. 1,840,327; Jan. 12.

Paulsen, Carl St. Louis, Mo. Three wheeled wagon or coaster. 1,890,656; Dec. 13.

Paulsen, Carley H., Hingham, Mass. Fastening means for wall and ceiling boards. 1,879,457; Sept. 27.

Paulsen, Charles. (See Tate, George A., assignor.)

Paulsen, William R., Pittsburgh, Pa. Regulator. 1,870,264; Aug. 9.

Paulson, Christian. (See Haegele, O. P., and Paulson.)

Paulson, Christian, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging material. 1,854,760; Apr. 19.

Paulson, Christian, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for determining indications of measuring instruments and controlling apparatus thereby. 1,859,047; May 24.

Paulson, Ernest H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Circuit closer for shuttle binders. 1,852,026; Apr. 5.

Paulson, Martin A., assignor to New Idea Potato Machinery Co., Rice Lake, Wis. Potato and onion grader. 1,881,539; Oct. 4.

Paulson, Walter H. (See Lathrop, H. D., and Paulson.)

Paulson, Walter H. (See McEwan, C. F., and Paulson.)

Paulson, Walter H., assignor to H. D. Lathrop, Chicago, Ill. Valve operating device. 1,844,593; Feb. 9.

Paulson, Walter H., assignor to H. D. Lathrop, Chicago, Ill. Milk handling device. 1,846,136; Feb. 16.

Paulson, Walter H., assignor to H. D. Lathrop, Chicago, Ill. Chain. 1,861,642; June 7.

Paulton, Joseph S., Chicago, Ill. Locking device. 1,878,886; Sept. 20.

Paulus, Charles L., Dayton, Ohio. Parachute flare. 1,851,172; Dec. 15.

Paulus, William. (See Oishei, John R., and Paulus.)

Paulus, William, Buffalo, N. Y. Windshield cleaner motor. Des. 81,021; May 24.

Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Horn construction. 1,868,250; July 19.

Pauly Jail Building Company. (See Tracy, Michael J., assignor.)

Pauly, Peter. (See Netz and Pauly.)

Pauly, Remigius, assignor of one-half to Eric Osterberg, Chicago, Ill. Dish washing machine. 1,884,180; Oct. 25.

Pauly, Remigius, assignor of one-half to Eric Osterberg, Chicago, Ill. Dish washing machine. 1,884,181; Oct. 25.

Pauly, Robert C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Neckband former. 1,844,975; Feb. 16.

Pauly, Robert C., assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Press cloth. 1,847,087; Mar. 10.

Paund, Arthur B., Chicago, Ill. Door buck anchor. 1,847,977; Mar. 1.

Pavel, Ferdinand, jr., New York, N. Y. Tomato juice cocktail glass. Des. 86,053; Jan. 19.

Pavel, John, et al. (See Loga, Alexander, assignor.)

Pavelec, William, New Brunswick, N. J., and J. A. Baker, Elyria, Ohio, assignors to American Incubators, Inc., New Brunswick, N. J. Brooder. 1,854,311; Apr. 19.

Pavelka, Joseph, St. Louis, Mo. Toaster. 1,884,825; Oct. 25.

Pavia, Luizi, Allentown, Pa. Automatic loom shuttle. 1,840,464; Jan. 12.

Pavitt, Frederick J., Brighton, England. No-volt tripping mechanism for electrical switches. 1,874,797; Aug. 30.

Pavlas, Joseph, Chicago, Ill. Wire dispenser. 1,848,744; Mar. 8.

Pavlecka, Jan, Wyandotte, Mich. Resilient wheel. 1,848,745; Mar. 8.

Pavlecka, Jan, Wyandotte, Mich. Manufacture of fans. 1,861,625; May 31.

Pavlecka, Jan, Wyandotte, Mich. Induction system for internal combustion engines. 1,889,262; Nov. 29.

Pavlecka, John, and V. H. Pavlecka, Detroit, Mich. Airplane. Des. 87,079; May 31.

Pavlecka, V. H. (See Pavlecka, John.)

Pavlik, Roy D., Kenilworth, Ill. Signaling device and stop mechanism for ditching machines. 1,850,412; Mar. 22.

Pavlov, Michel, Paris, France. Apparatus for hydraulic massage. 1,855,114; Apr. 19.

Pavone, Peter D. B., Bridgeport, Conn. Sand screen. 1,861,711; July 5.

Pawlicek, Leo. Modling, near Vienna, Austria, assignor to Rabl & Grun, Vienna, Austria. Frame for hand bags and like containers. 1,861,835; Dec. 20.

Pawlikowski, Rudolf, Goerlitz, Germany. Internal combustion engine. 1,849,380; Mar. 15.

Pawling, George F., Philadelphia, assignor, by mesne assignments, to S. B. Pawling, Glenside, Pa. Building construction. 1,839,496; Jan. 5.

Pawling, George F., Philadelphia, assignor, by mesne assignments, to S. B. Pawling, Glenside, Pa. Method of and apparatus for pouring gypsum or like material. 1,847,261; Mar. 1.

Pawling, Sarah B. (See Pawling, George F., assignor.)

Pawsat, Ewald P., Maysville, Ky., assignor to Wald Manufacturing Company. Twine holder. 1,888,865; Nov. 22.

Pax, Jacob G., New Weston, Ohio. Harvester. 1,862,101; June 7.

Paxson, Claude M., Tipton, Okla. Automobile speedometer. 1,885,134; Nov. 1.

Paxson, Willard M., Dowagiac, assignor of one-half to D. H. Miles, Cassopolis, Mich. Rake cleaner. 1,866,269; July 5.

Paxson, Willard M., Dowagiac, assignor of one-half to D. H. Miles, Cassopolis, Mich. Rake cleaner. 1,887,659; Nov. 15.

Paxton, Clyde E., assignor of one-fifth to N. J. Rice, St. Joseph, Mo. Parking mirror for motor vehicles. 1,844,437; Feb. 9.

Paxton, Clyde E., assignor of one-fifth to N. J. Rice, St. Joseph, Mo. Parking mirror for motor vehicles. 1,844,438; Feb. 9.

Paxton, Elisha W. (See Morton, W. A., and Paxton.)

Paxton, Elisha W., and A. W. Schmid, assignors to Highland-Western Glass Company, Washington, Pa. Insulated leer roller. 1,853,879; Apr. 12.

Paxton, Hale. (See Green, Max D., assignor.)

Paxton, Hale, Sanger, Calif. Box lidding machine. 1,858,556; May 17.

Paxton, Hale, Sanger, Calif. Shook carriage for box making machines. 1,867,951; July 19.

Paxton, Henry D., assignor to Highland-Western Glass Company, Washington, Pa. Glass annealing leer. 1,853,878; Apr. 12.

Paxton-Mitchell Company. (See Gehrman, Otto C., assignor.)

Paxton, Robert, Philadelphia, and L. S. Walle, Lansdowne, Pa., assignors to General Electric Company. Switch operating mechanism. 1,848,902; Mar. 8.

Payberg, Andrew, Belmont, assignor to Viking Manufacturing Company, Inc., Cambridge, Mass. Display card. 1,888,406; Nov. 22.

Payman, Joseph B. (See Gibson, W., and Payman.)

Payman, Joseph B. (See Naunton, W. J. S., and Payman.)

Payman, Joseph B., and H. A. Piggott, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of compounds of the morpholine series and the products. 1,859,527; May 24.

Payne, Arthur C., Kew Gardens, and D. F. Newman, Freeport, assignors to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,881,128; Oct. 4.

Payne, Arthur W. (See Mottashed, J. C., and Payne.)

Payne, Burt H., Westfield, assignor to Stulz-Sickles Company, Newark, N. J. Alloy. 1,876,738; Sept. 13.

Payne, Daniel D., Leominster, Mass., assignor to Du Pont Viscoloid Company, Wilmington, Del. Production of plastic sheets and the product thereof. 1,886,972; Nov. 8.

Payne, Daniel R., New York, N. Y. Pull match packet. 1,861,356; May 31.

Payne, Edwin M., Southall, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electromagnetic vibratory device. 1,850,848; Mar. 22.

Payne, Frank E., Aberdeen, S. Dak. Ball and socket joint. 1,855,558; Apr. 26.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Bushing packing. 1,891,725; Dec. 20.

Payne, Lambert M., Detroit, Mich. Thermostat construction. 1,849,152; Mar. 15.

Payne, Lawrence V., and H. G. Conrade, Birmingham, England. Apparatus for delivering measured quantities of liquid by volume from bottles or similar vessels. 1,862,801; June 14.

Payne, Marshall J., assignor to The Payne Valve Corporation, Staunton, Va. Tire valve. 1,861,936; June 7.

Payne, Mathew, Yonkers, N. Y. Hypodermic syringe nozzle. Des. 85,955; Jan. 5.

Payne, Norval C., Detroit, Mich. Clamp. 1,882,297; Oct. 11.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft end controller for weft replenishing looms. 1,842,731; Jan. 26.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion with unit construction. 1,852,024; Apr. 5.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical weft detector having delayed action. 1,852,059; Apr. 5.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric warp stop motion. 1,852,217; Apr. 5.

Payne, Oscar V., Worcester, Mass., assignor to Auto-Ordnance Corporation, New York, N. Y. Gun. 1,860,157; May 24.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism. 1,863,872; June 21.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yarn spool. 1,868,719; July 26.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion contact bar and drop wire. 1,873,019; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,873,020; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,873,147; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Separator for electrical warp stop motions. 1,873,214; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Knock-off for electrical warp stop motions. 1,873,465; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drop wire. 1,873,466; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,873,467; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector and bobbin thrower. 1,873,468; Aug. 23.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread parter for weft replenishing looms. 1,893,929; Oct. 11.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for shuttles. 1,881,921; Oct. 11.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle for thread cutters. 1,881,922; Oct. 11.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter and clamp for shuttles. 1,881,923; Oct. 11.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for weft parters. 1,881,924; Oct. 11.

Payne, Philip Irvington, and M. Iversen, Brooklyn, N. Y., assignors to T. A. Edison, Incorporated, West Orange, N. J. Apparatus for use in the production of storage-battery electrode elements. 1,866,172; July 5.

Payne, Raymond J., Isanti, Minn. Speed boat racing tank. 1,886,220; Nov. 1.

Payne, Samuel T., Buffalo, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Fuselage construction. 1,874,610; Aug. 30.

Payne Tube Corporation, The. (See Payne, Marshall J., assignor.)

Payne, William L., Columbus, Ohio, assignor to Fox Company, Philadelphia, Pa. Toy gun. 1,888,689; Nov. 22.

Payne, W. W. (See Alexander, Jesse, assignor.)

Paynter, Catherine, et al. (See McCraken, Peter B., assignor.)

Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Dispensing device. 1,859,886; May 24.

Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Refrigerating apparatus. 1,859,887; May 24.

Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Heat-insulating receptacle. 1,866,126; July 5.

Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Refrigerating device. 1,875,129; Aug. 30.

Payson, Aurin E. and M. P. Wetmore, Norwich, Conn. Double-walled receptacle. 1,880,358; Oct. 4.

Payson, Samuel E., assignor to Hamilton-Wade Company, Brockton, Mass. Welt strip. Des. 86,403; Mar. 1.

Paytner, Horace Maplewood, N. J., assignor to American Can Company, New York, N. Y. Electrical switch for line control of can machinery. 1,859,495; Jan. 5.

Paytner, Henry Beaver, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Lumber trimming machine. 1,881,954; Oct. 11.

Pazourek, Joseph, et al. (See Neubauer, Ferdinand, assignor.)

Peabody Engineering Corporation. (See Gerquest, Arthur S., assignor.)

Peabody Engineering Corporation. (See Harmon, Robert R., assignor.)

Peabody Engineering Corporation. (See Kirtland, F. D., Brooks, Brierly, and Bush, assignors.)

Peabody Engineering Corporation. (See Leask, J. P., and Dyer, assignors.)

Peabody Engineering Corporation. (See Leask, J. P., and Warner, assignors.)

Peabody Engineering Corporation. (See London, William J. A., assignor.)

Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)

Peabody Engineering Corporation. (See Warner, Samuel T., assignor.)

Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Method and apparatus for the control of burning liquid fuel. 1,855,559; Apr. 26.

Peabody, James A., Evanston, Ill. Lock for spring switches. 1,847,894; Mar. 1.

Peabody Seating Company, The. (See Ronk, A. T., and Overholt, assignors.)

Peacock, Charles T., Arriba, Colo. Combined lister and dam forming device. 1,892,002; Dec. 27.

Peacock, Ernest, Bahia Blanca, Argentina, assignor to International Harvester Company. Grain saver for bagging platforms. 1,846,451; Feb. 23.

Peacock Laboratories, Inc. (See Peacock, William, jr., assignor.)

Peacock, William, jr., assignor to Peacock Laboratories, Inc., Philadelphia, Pa. Copper plating. 1,890,094; Dec. 6.

Peake, Arthur M. (See Bennett, W. G., and Peake.)

Peake, Charles W., et al. (See Wood, Jesse N., assignor.)

Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Toy pistol. 1,853,830; Apr. 12.

Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Toy pistol. 1,853,831; Apr. 12.

Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Toy pistol. 1,853,832; Apr. 12.

Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Wheeled toy. 1,853,833; Apr. 12.

Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Toy firearms. 1,853,834; Apr. 12.

Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Toy pistol. 1,872,093; Aug. 16.

Peaker, Dean J., and F. H. Longfellow, Macksburg, Ohio. Check protector. 1,855,161; Apr. 26.

Pealer, Robert B. assignor to The Borden Company, Warren, Ohio. Pipe cutter. 1,849,381; Mar. 15.

Pealer, Robert B., assignor to The Borden Company, Warren, Ohio. Die stock. 1,883,397; Oct. 18.

Pearce, Edwin S. (See Grisbaum, L. D., Dwyer, and Pearce.)

Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Conditioning waste. Re18,599; Sept. 13.

Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Waste reclamation apparatus. 1,876,739; Sept. 13.

Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Renovating waste. 1,877,754; Sept. 13.

Pearce, Edwin S., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Renovating journal box packing. 1,877,755; Sept. 13.

Pearce, Edwin S., R. W. Letterer, and E. C. Karibo, Indianapolis, Ind. Cut-off controlling mechanism for and operating locomotives. 1,868,024; July 19.

Pearce, Edwin S., and E. C. Karibo, Indianapolis, Ind. Pressure impulse dampener. 1,891,008; Dec. 13.

Pearce, Harry A., El Paso, Tex. Electrically heated branding iron. 1,871,553; Aug. 16.

Pearce, Herbert, Altrincham, England, assignor to General Electric Company. Electric circuit breaker. 1,841,147; Jan. 12.

Pearce, James W. (See Dean, James H., assignor.)

Pearce, James W., Philadelphia, Pa. Retaining clip. 1,847,360; Mar. 1.

Pearce, James W., Philadelphia, Pa. Ribbed lath. 1,891,240; Dec. 20.

Pearce, Louis M., and W. L. Church, Houston, Tex. Drill. 1,882,828; Aug. 16.

Pearce, Louis M., and W. L. Church, Houston, Tex. Drill. 1,884,182; Oct. 25.

Pearce, Oscar W., Los Angeles, Calif. Oil thief. 1,887,859; Nov. 15.

Pearce, Owen A., Liverpool, and L. M. Simpson, Stanks, near Leeds, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,888,964; Nov. 22.

Pearce, Sidney, Minneapolis, Minn. Box forming and gluing machine. 1,877,043; Sept. 13.

Pearce, Sidney, assignor to J. N. Collins Company, Minneapolis, Minn. Machine for and method of banding packages. 1,877,042; Sept. 13.

Pearce, Solomon, Elizabeth, Ill. Hay rack. 1,873,469; Aug. 23.

Pearce, Walter A. (See Peter, L. H., and Pearce.)

Pearce, Walter H., Churchville, assignor to The Brown Instrument Company, Philadelphia, Pa. One piece metal fountain pen. 1,887,184; Nov. 8.

Pearce, William L., Houston, Tex. Drill bit. 1,876,740; Sept. 13.

Pearce, W. L. (See Church, Walter L., assignor.)

Peard, Oliver L., S. M. Peard, Croyden, and A. F. Harrison, Epsom, England. Electric heater for use with automobiles. Re18,454; May 3.

Peard, Stanley M. (See Peard, Oliver L. and S. M., and Harrison.)

Pearl, Azariah Y., assignor to Laboratoires Exvipe-Pearl, Inc., Windsor, Vt. Ornamental coating and making same. 1,844,479; Feb. 9.

Pearl, William E., Brooklyn, N. Y. Spray device. 1,883,135; Nov. 1.

Pearlman, Victor S., assignor to The Viebridge Lamp Company, Chicago, Ill. Combined card table lamp and tray. Des. 88,568; Dec. 8.

Pearmain, William J., assignor to The Twin Disc Clutch Company, Racine, Wis. Clutch. 1,869,982; Aug. 2.

Pearne, Frank Y. (See McClintock, W., and Pearne.)

Pearne, Frank Y., Alhambra, and W. McClintock, Los Angeles, Calif. Hydraulic clay molding machine. 1,881,061; Oct. 4.

Pears, Harry W. K., assignor to Dubarry Perfumery Company Limited, Hove, England. Container or holder for sticks of shaving soap and cosmetics. 1,851,322; Mar. 29.

Pearse, Edmund, Lynsford, England, assignor to Sperry Gyroscope Company Inc., Brooklyn, N. Y. Searchlight. 1,855,867; Apr. 26.

Pearson, Albert, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for drying parts. 1,871,330; Aug. 9.

Pearson, Anton, Silverhill, Ala. Potato picker. 1,876,150; Sept. 6.

Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Mower guard. 1,846,452; Feb. 23.

Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Divider board for harvesters. 1,846,453; Feb. 23.

Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Mower. 1,854,806; Apr. 19.

Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Sweep rake. 1,859,156; May 17.

Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Mowing machine. 1,859,157; May 17.

Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Self-dump rake. 1,888,468; Nov. 22.

Pearson, Charles E., and E. I. Davis, St. Paul, Minn. Furnace heat circulator. 1,875,393; Sept. 6.

Pearson, Frederick A., Great Barrington, Mass. Gear shifting mechanism. 1,849,435; Mar. 15.

Pearson, Frederick A., Great Barrington, Mass. Translucency measuring apparatus. 1,849,881; Mar. 15.

Pearson, Frederick A., Great Barrington, Mass. Gear shifting mechanism. 1,849,882; Mar. 15.

Pearson, Frederick A., Great Barrington, Mass. Method and apparatus for electrical measurement. 1,864,092; June 21.

Pearson, George A., et al. (See Dickson, George F., assignor.)

Pearson, George E., and H. E. Petrilli, Boston, Mass. Road surfacing equipment. 1,864,612; June 28.

Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Fluid operated tool. 1,852,724; Apr. 5.

Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Fluid operated tool. 1,856,784; May 3.

Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Drill sharpener. 1,887,038; Nov. 22.

Pearson, Gustav C., L. E. Croft, and I. S. Carpenter, assignors to Garder-Denver Company, Denver, Colo. Drill sharpener. 1,852,727; Sept. 27.

Pearson, Henry C., Pasadena, Calif. Ball and projector therefor. 1,862,904; June 14.

Pearson, Herbert P., New York, N. Y., assignor to Stanco, Incorporated. Sizing paper. 1,842,112; Jan. 19.

Pearson, Howard B., San Francisco, Calif. Brake. 1,859,391; Nov. 22.

Pearson, Jarl, assignor of one-half to H. F. Lucas, Ontario, Calif. Can filling machine. 1,880,471; Oct. 4.

Pearson, John T., assignor to Crouse-Hinds Company, Syracuse, N. Y. Grounding device or connecter. 1,860,116; May 24.

Pearson, John T., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Conduit outlet box and grounding device. 1,839,254; Jan. 5.

Pearson, Joseph C. Media. Pa. Headlight glare shield. 1,888,142; Nov. 15.

Pearson, Lee R., Ranger, Tex. Mouse trap. 1,868,847; July 26.

Pearson, Oscar A., Oak Park, assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Machine for cutting magnetic circuit lamina. 1,841,909; Jan. 19

Pearson, Oscar A., Oak Park, assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Tension device for coil winding machines and the like. 1,884,183; Oct. 25.

Pearson, Oscar A., Oak Park, assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Machine for winding coils. 1,884,184; Oct. 25.

Pearson, Paul E. (See Dodge, M. L., and Pearson.)

Pearson, Paul E. (See Troyer, N., and Pearson.)

Pearson, Paul S. Seattle, Wash., assignor to Continental Can Company, Inc. Salter. 1,892,627; Dec. 27.

Pearson, Ragnar, Chicago, Ill. Fastening snap lock for pocketbooks. 1,854,717; Apr. 19.

Pearson, Raymond. (See Stukes, Horace A.)

Pearson, Robert D. (See Bradshaw, Herbert W., assignor.)

Pearson, Robert D. (See Schofield, J. C., and Johnson.)

Pearson, Robert D., et al. (See Sweet, Alvin H., assignor.)

Pearson, Robert S., and J. B. Peel, Lockport, N. Y. Brake release. 1,868,251; July 19.

Pearson, W. L., et al. (See Adams, Alexander S., assignor.)

Pearson, William S., Wilmette, Ill. Lamp shade. 1,843,781; Feb. 2.

Peart, Barle C., Lowell, Mass. Heel stainer. 1,853,994; Apr. 12.

Pease, C. F. Company. (See Brunk, Harold J., assignor.)

Pease, C. F., Company. (See Lord, T., and Brunk, assignors.)

Pease, Frederick J., Wauwatosa, Wis. Combined thermostat and hygrostat instrument. 1,868,721; July 12.

Pease, Frederick J., and H. H., Wauwatosa, assignors to Cium Manufacturing Company, Milwaukee, Wis. Sash pulley. 1,868,761; July 26.

Pease, Harlow H. (See Pease, Frederick J., and H. H.)

Pease, Harry, Barnsdall, Okla., assignor to The Gray Processes Corporation, Newark, N. J. Refining hydrocarbon distillates. 1,858,110; May 10.

Pease, Isaac M., Cincinnati, Ohio, assignor to The Ohio Truss Company. Truss pad. 1,887,660; Nov. 15.

Peaslee, Willetts, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Steady rest mechanism. 1,875,486; Sept. 6.

Peat, James B. (See Dixon, L. A., and Peat.)

Peacock, John, Norwalk, Calif. Drill bit. 1,851,261; Mar. 29.

Pechan, Ignatz, and J. Schier, Vienna, Austria, assignors to Actiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz opticky ustav, Latiskava Czechoslovakia. Aiming telescope. 1,889,151; Nov. 29.

Pechan, Ignaz. (See Raaber, Petschenig, Pechan, and Elchwalder.)

Pechy, William, Elizabeth, N. J., assignor to American Can Company, New York, N. Y. Key assembling machine. 1,886,973; Nov. 8.

Peck, Arthur E., Los Angeles, Calif. Dental wax cutting and adapting instrument. 1,857,396; May 10.

Peck, Cecil C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding mechanism. 1,840,601; Jan. 12.

Peck, Cecil C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding mechanism. 1,840,737; Jan. 12.

Peck, Cecil C., and T. E. Jerabek, assignors to The Lincoln Electric Company, Cleveland, Ohio. Method of and apparatus for arc welding. 1,840,600; Jan. 12.

Peck, Cecil C., Lakewood, and M. R. Peck, East Cleveland, assignors to The Lincoln Electric Company, Cleveland, Ohio. Electric welding mechanism. 1,884,826; Oct. 25.

Peck, Gordon V. (See Nyman, A., and Peck.)

Peck, Gordon V., Bloomfield, N. J. Mechanical movement. 1,865,704; July 5.

Peck, Herbert A., Glenside, assignor to American Engineering Company, Philadelphia, Pa. Electrically-operated windlass and hoist. 1,856,784; May 3.

Peck, Irving H., assignor to The Sterling Pin Company, Derby, Conn. Hairpin. 1,867,169; July 12.

Peck, Irving K., assignor to Associated Engineers Company, Chicago, Ill. Gas vent. 1,884,523; Feb. 9.

Peck, John S., Scarsdale, and E. V. Barrett, White Plains, N. Y. Light weight building materials. 1,856,929; May 3.

Peck, Lawrence E., and J. H. Lambert, Ely, Nev. Illuminated advertising calendar. 1,877,044; Sept. 13.

Peck, Lester E. (See Hall, E., and Peck. 23.

Peck, Lionel S., Macedonia, assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Reducing bushing. 1,875,130; Aug. 30.

Peck, Okey H., Richwood, W. Va. Tourist house. 1,861,548; June 7.

Peck, William H., Scarsdale, assignor to Colorcraft Corporation, New York, N. Y. Printing multicolor films. 1,840,524; Jan. 12.

Peck, William W., assignor to Muncie Gear Company, Muncie, Ind. Outboard motor. 1,843,089; Jan. 26.

Pecker, Joseph S., Philadelphia, Pa. Machine for repairing knitted fabrics. 1,846,901; Feb. 23.

Pecker, Joseph S., Philadelphia, Pa., assignor to Patent Development Co. Machine for repairing knitted fabrics. 1,843,623; Feb. 2.

Pecker, Joseph S., Philadelphia, Pa., assignor to Patent Development Co. Machine for repairing knitted fabrics. 1,843,624; Feb. 2.

Pecker, Joseph S., Philadelphia, Pa., assignor to Patent Development Co. Machine for repairing knitted fabrics. 1,845,516; Feb. 16.

Pecker, Joseph S., assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 1,892,003; Dec. 27.

Peckham, Charles F., deceased, Providence, R. I.; Isabelle R. Peckham, executrix. Differential valve. 1,866,319; July 5.

Peckham, Isabelle R., executrix. (See Peckham, Charles F.)

Peckinpaugh, Ernest H., Chattanooga, Tenn. Artificial bait. 1,876,342; Sept. 6.

Pecsi, Andrew. (See Nachtigall, Richard J., assignor.)

Ped. Incorporated. (See Ljungström, Fredrik, assignor.)

Peddrick, Charles H., Jr., Gloversville, N. Y., and P. W. Lewis, Baltimore, Md., assignors to United Feldspar Corporation, New York, N. Y. Preparation of feldspathic flux for porcelain. 1,855,115; Apr. 19.

Pedersen, Axel, assignor to Maddison Corporation, Madison, Wis. Pressure fluid tool. 1,864,027; June 21.

Pedersen, Carl E., San Francisco, Calif., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Map rod. 1,878,177; Sept. 20.

Pedersen, George N., Chicago, Ill. Attachment for bags for golf clubs. 1,849,803; Mar. 15.

Pedersen, Ingvald O., Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing apparatus. 1,854,454; Apr. 19.

Pedersen, Ingvald O., and E. G. Stahle, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing machine. 1,860,117; May 24.

Pedersen, John A., Brooklyn, N. Y., assignor to John A. Roebling's Sons Company, Trenton, N. J. Cable cutting and skinning tool. 1,885,944; Nov. 1.

Pedersen, John D., Jackson, Wyo. Rifle. 1,866,722; July 12.

Pedersen, Louise, Barrington, Ill. Eye shield. 1,886,725; Nov. 8.

Pederson, Christian H., Pittsburgh, Pa. Auto tire. 1,876,016; Sept. 6.
Pederson, John F., assignor to Ditto, Incorporated, Chicago, Ill. Moistener. 1,852,331; Apr. 5.
Pederson, John P., assignor to Ditto, Incorporated, Chicago, Ill. Gearing for hektograph machines. 1,869,436; Aug. 2.
Pedrazzi, Eugene T., Petaluma, Calif. Tube tester. 1,875,145; aug. 23.
Pedrazzo, Emil, West New York, N. J. Washing machine. 1,886,578; Nov. 8.
Pedrick, Ernest D., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector controlling means. 1,877,624; Sept. 13.
Peebles, David D., Eureka, Calif. Separating apparatus. 1,850,333; Mar. 22.
Peebles, Frank B., assignor to Gilford-Wood Company, Hoosac, N. Y. Slack adjuster. 1,848,972; Mar. 8.
Peebles, Frank W. L., St. Louis, and C. W. Baker, Lake Charles Park, Mo. Jack-and-parking mechanism for automotive vehicles. 1,888,049; Nov. 15.
Peebles, Thomas A., Mount Lebanon, assignor to J. M. Hopwood, Dormont, Pa. Combustion control. Re18,479; May 24.
Peek, Clifford F., Chesterton, and C. A. Ball, Valparaiso, Ind. Sheet pack opener. 1,849,883; Mar. 15.
Peek, Frank W., jr., Pittsfield, Mass., assignor to General Electric Company. Operation of series connected vacuum valves. 1,867,419; July 12.
Peek, Robert L., jr., Elizabeth, and C. L. Hippenstead, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable armor. 1,873,470; Aug. 23.
Peek, Robert L., Toronto, and C. A. Knittel, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, New York, N. Y. Refining nickel bearing matte. 1,887,260; Nov. 8.
Peek, Wm. Thomas. (See Walker, George W., assignor.)
Peek, William T., and L. P. Eubanks, Atlanta, Ga. Washing and sanding machine. 1,881,129; Oct. 4.
Peel, Jesse B. (See Pearson, R. S., and Peel.)
Peeler, Phoebe. (See Peeler, William R. and P.)
Peeler, William R. and P., Elsinore, Calif. Combined garden and lawn implement. 1,848,651; Mar. 8.
Peelle Company, The. (See Allen, Arthur A., assignor.)
Peelle Company, The. (See Peelle, Robert S., assignor.)
Peelle Company, The. (See Saurer, Paul R., assignor.)
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for counterbalanced elevator doors. 1,864,367; June 28.
Peelle, Robert S., Hollis, assignor to The Peelle Company, New York, N. Y. Door operator. 1,872,043; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for counterbalanced elevator doors. 1,872,175; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for elevator gates. 1,872,176; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for canopy type doors. 1,872,177; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Electrical interlock. 1,872,329; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Lower fixture for elevator door operators. 1,872,330; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for bi-part slideup doors. 1,872,331; Aug. 16.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for counterbalanced elevator doors. 1,872,332; Aug. 16.
Peelle, Willis J., Chicago, Ill. Jar capping mechanism. 1,854,424; Apr. 19.
Peelle, Willis J., Chicago, Ill. Gasket forming machine. 1,868,990; July 26.
Peerless Bread Machine Company, The. (See Lauterbur, Frank X. and C. J., and Mitchell, assignors.)
Peerless Handcuff Co. (See Neal, Elmer E., assignor.)
Peerless Handcuff Company. (See Wesson, H., and Pomeroy, assignors.)
Peerless Heater Company, The. (See Aldrich, Herbert B., assignor.)
Peerless Ice Machine Company. (See Kritzer, Richard W., assignor.)
Peerless Novelty Co. (See Standberry, Warren H., assignor.)
Peerless Products Company. (See Treleven, Edward V., assignor.)
Peerless Pump Company. (See Wintroath, John A., assignor.)
Peerless Roll Leaf Company et al. (See Wickwire, Arthur M., jr., assignor.)
Peerless Springs, Incorporated. (See Hetherington, Oliver, assignor.)
Peerless Springs, Incorporated. (See Kiwi, Walter. assignor.)
Peet, Gerald D., Montclair, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Sterilizing apparatus. 1,888,959; Nov. 22.
Peetz, Frederick W., Webster Groves, Mo. Cap. 1,856,967; May 3.
Peetz, Frederick W., Webster Groves, and G. L. Strebler, St. Louis, Mo.; said Strebler assignor to said Peetz. Plaiting machine. 1,849,019; Mar. 8.
Peffer, Afrid B., assignor to Imperial Machine Company, Philadelphia, Pa. Pan cleaning machine. 1,887,138; Nov. 8.
Peffer, Harry C., R. L. Harrison, and D. E. Ross, assignors to Rostone, Incorporated, La Fayette, Ind. Structural material and making same. 1,852,672; Apr. 6.
Peffer, Harry C., R. L. Harrison, and D. E. Ross, assignors to Rostone, Incorporated, La Fayette, Ind. Structural material and making the same. 1,877,939; Sept. 20.
Peffer, Harry C., and P. W. Jones, assignors to Rostone, Incorporated, Lafayette, Ind. Structural material and making the same. 1,877,960; Sept. 20.
Pegiar, Don C., Chattanooga, Tenn. Grave marker. 1,862,968; June 14.
Pegiar, Don C., assignor to Vacuum Dyeing Machine Corporation, Chattanooga, Tenn. Dyeing machine. 1,874,798; Aug. 30.
Pehrson, Sven J., assignor to The Colson Company, Elyria, Ohio. Detachable carrier for hand trucks. 1,862,546; June 14.
Pehrson, Sven Johan, assignor to The Colson Company, Elyria, Ohio. Piano truck. 1,887,067; Nov. 8.
Peiffer, Alfred M., and H. C. Roeder, Schuylkill Haven, Pa. Automatic automobile stop for railway crossings. 1,848,903; Mar. 8.
Peik, Louis D., Mishawaka, Ind. Sand blast machine. 1,872,178; Aug. 16.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Abrasive blasting system. 1,859,161; Nov. 29.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Multiple blast nozzle. 1,859,162; Nov. 29.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Sand blast system. 1,859,160; Nov. 29.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Tumbling mill. 1,882,442; Oct. 25.
Peik, Louis D., Misbawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Tumbling mill. 1,882,443; Oct. 11.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Suction gathering cup. 1,845,810; Feb. 16.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,852,218; Apr. 5.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and machine for forming glass tubing from pressed glass blanks. 1,857,257; May 10.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for forming glass tubing from glass billets. 1,857,791; May 10.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass severing apparatus. 1,862,979; June 14.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Gathering pool. 1,864,495; June 21.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass gathering and forming machine. 1,871,556; Aug. 16.
Peiler, Karl E., West Hartford, Conn., assignor, by mesne assignments, to Hartford-Empire Company. Method of and apparatus for feeding molten glass. 1,873,021; Aug. 23.
Peiler, Karl E., West Hartford, Conn., assignor, by mesne assignments, to Hartford-Empire Company. Method of and apparatus for feeding molten glass. 1,873,022; Aug. 23.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding and melting glass batch. 1,874,799; Aug. 30.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Automatic dip regulator for suction gathering receptacles and the like. 1,878,597; Sept. 20.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Supply pool level regulator. 1,878,598; Sept. 20.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Transfer mechanism for rotary glassware forming machines. 1,882,091; Oct. 11.
Peiler, Karl E., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass feeding method and apparatus. 1,888,963; Nov. 22.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Heat insulated refractory for molten glass containers. 1,891,604; Dec. 20
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Suction gathering forming machine. 1,891,896; Dec. 20.

Peiler, Karl E., West Hartford and W. T. Barker, jr., assignors to Hartford-Empire Company, Hartford, Conn. Glass feeder apparatus. 1,878,536; Sept. 20.

Peiper, Abram S., Philadelphia, Pa. Permanently securing linoleum to normally damp concrete surfaces. 1,887,847; Nov. 15.

Peirce, Charles L., jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Secondary rack. 1,883,818; Oct. 18.

Peirce, Charles L., jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Lock washer. 1,885,761; Nov. 1.

Peirce, Daniel N., Bryn Athyn, Pa. Expansion device for attachment to masonry or tile. 1,850,768; Mar. 22.

Peirce, John R., New York, N. Y. Coffee brewing device. 1,871,023; Aug. 2.

Peirce, John R., New York, N. Y. Coffee brewing device. 1,887,848; Nov. 15.

Peirce, John R., New York, N. Y. Coffee making device. 1,887,849; Nov. 15.

Peirce, John R., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Tabulating machine. 1,843,986; Feb. 16.

Peirce, John R., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Record analyzing and posting machine. 1,862,032; June 7.

Peirce, John R., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Combination time punch. 1,867,021; July 12.

Peirce, John R., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Printing mechanism. 1,869,244; Aug. 16.

Peirce, John R., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Accounting and posting machine. 1,882,444; Oct. 11.

Peirce, Ralph S., Hinsdale, Ill. Attaching device. 1,848,142; Mar. 8.

Peirce, Thomas J. H., Providence, R. I., assignor to Lewis R. Smith, receiver of The Apco Mossberg Corporation. Attachment for headlights. 1,891,553; Dec. 27.

Peirce, William B., Edgeworth, Sewickley, assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Metal working machinery and method. 1,848,835; Mar. 8.

Peirce, Willis M., and E. A. Anderson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc base die-casting alloy. 1,852,434; Apr. 5.

Peirce, Willis M., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Wrought zinc product. 1,888,567; Nov. 22.

Peisler, Alfred, Remscheid-Haddenbach, Germany. File. 1,884,185; Oct. 25.

Peissner, Alfons. (See Zapf, G., and Peissner.)

Peissner, Alfons, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,871,081; Aug. 9.

Pekin Wagon Company. (See John, William, assignor.)

Pelc, Joseph J., Chicago, Ill. Production of beryllium and beryllium compounds and isolation of beryllium salts. 1,867,755; July 19.

Pelican Well Tool and Supply Company. (See Stewart, Mark G., assignor.)

Pelland, Raymond L. (See Metcalf, I. R., and Pelland.)

Pellerin, Eric, M. Hector, and P. J. Carpentier, Vincennes, France. Apparatus for indicating the mean speed of a vehicle. 1,889,876; Dec. 6.

Pellischek, Paul, Vienna, Austria, assignor to Firm Maatschappij tot Exploitering van Apparaten en Octrooien "Berjo" te's Gravenhage, The Hague, Netherlands. Weighing scale. 1,851,110; Mar. 29.

Pellissier, George B., Holyoke, Mass. Brake for motor vehicles. 1,865,042; June 28.

Peloquin, Paul, Brooklyn, N. Y. Combined door lock and opener. 1,859,040; May 17.

Pelouch, James J., Newburgh Heights, and P. I. Schultz, Cleveland Heights, Ohio, assignors to The United States Air Compressor Company, Cleveland, Ohio. Grease gun handle. Des. 86,179; Feb. 9.

Pelterie, Robert Esnault, Paris, France. Packing device. 1,868,199; July 19.

Peltier, Frank D., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 1,844,677; Feb. 9.

Peltier, Frank D., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigeration. 1,891,357; Dec. 20.

Peltier, Frank D., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Support for power driven units. 1,879,458; Sept. 27.

Peltier, Frank D., Bridgeport, Conn., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Evaporator unit. 1,874,115; Aug. 30.

Peltier, Frank D., and C. E. Ploeger, Evansville, Ind., assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 1,884,186; Oct. 25.

Peltier, Frank D., and C. E. Ploeger, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Refrigeration. 1,884,187; Oct. 25.

Peltier Glass Company, The. (See Peltier, Sellers H., assignor.)

Peltier, Sellers H., assignor to The Peltier Glass Company, Ottawa, Ill. Device for making vitreous like objects. 1,865,787; July 5.

Pelton, Earl D., Dixon, Ill. Binding post. 1,845,517; Feb. 23.

Pelton, Earl L. (See Strosacker, C. J., Kennedy, and Pelton.)

Pelton, Earl L. (See Strosacker, C. J., and Pelton.)

Pelton, Ernest W., assignor to The Stanley Works, New Britain, Conn. Anchor plate. 1,879,459; Sept. 27.

Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Dogging mechanism. 1,850,941; Mar. 22.

Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Sawmill dogging means. 1,852,864; Apr. 5.

Pelton, George M., deceased; H. W. Knox executor, assignor to The Filer & Stowell Company, Milwaukee, Wis. Dogging and tapering mechanism. 1,853,775; Apr. 12.

Pelton, Geraldine B., Fort Wayne, Ind. Woman's garter. 1,842,996; Jan. 26.

Pelton Water Wheel Company, The. (See Foulds, Charles V., assignor.)

Pelton Water Wheel Company, The. (See Hutchinson, Ely C., assignor.)

Peltz, Georg. Lautawerk/Lausitz, Germany. Device for joining carbon electrodes. 1,850,515; Mar. 22.

Peltz, Gordon M., Elmhurst, N. Y., and C. A. Jackson, Ridgewood, N. Y., assignors to Automatic Coal Burner Company, Seattle, Wash. Mechanical overload release. 1,853,335; Apr. 12.

Pelzer, Edward J. (See Kehder, Henry E., assignor.)

Pelzer, Harold H., Astoria, assignor to Standard Automatic Candy Corporation, New York, N. Y. Vending cabinet. Des. 87,353; July 12.

Pelzer, Harry L. (See Herthel, E. C., and Pelzer.)

Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,845,554; Feb. 16.

Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,865,206; June 28.

Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking and coking hydrocarbons. 1,873,024; Aug. 23.

Pemberthy Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Lubrication of tools. 1,845 933; Feb. 16.

Pemberton, Arthur H., et al. (See Brand, John J. F., assignor.)

Pemberton, Harold, Seattle, Wash., and F. I. Doane, Berkeley, Calif. Vanity case. 1,875,650; Sept. 6.

Pemberton, Uz C., Tampa, Fla. Surface riding bait or lure. 1,846,355; Feb. 23.

Pemberton, Uz C., and J. B. Johnson, Tampa, Fla. Artificial bait. 1,859,041; May 24.

Pemberton, Uz C., and J. B. Johnson, Tampa, Fla. Artificial bait. 1,869,713; May 24.

Pemetzrieder, Georg, Berlin-Templehof, Germany. Apparatus for casting metals and metalloids. 1,876,261; Sept. 6.

Pemetzrieder, Georg, Berlin-Templehof, Germany. Alloy with copper as primary metal. 1,876,262; Sept. 6.

Penault, Louis. (See Saives, Léon, assignor.)

Penberthy Injector Company. (See Yoder, Howard D., assignor.)

Pence, Ira W., Cleveland, assignor to L. W. Merriam, Parma, Ohio. Sewer pipe cleaning tool. 1,860,395; May 31.

Pence, Jackson H., Altoona, Pa. Receptacle or container. 1,848,652; Mar. 8.

Pence, Rosco O., Sterling, Kans. Brooder stove and hover. 1,840,847; Jan. 12.

Pence, Rosco O., Sterling, Kans. Check valve damper for brooder stoves. 1,845,337; Feb. 16.

Pencil Mechanism Corporation. (See Barberon, Pierre, assignor.)

Pencil Mechanism Corporation. (See Woelm, Alfred, assignor.)

Pender, Lorenzo D., assignor to L. D. Pender, jr., Tarboro, N. C. Fertilizer and lime spreader. 1,840,602; Jan. 12.

Pender, Lorenzo D., jr. (See Pender, Lorenzo D., assignor.)

Pen Desk Set Company. (See Blackman, Horace L., assignor.)

Pen Desk Set Company. (See Ferrier, Alexander I., assignor.)

Pen Desk Set Company. (See Guyot, Walter, assignor.)

Pendleton, Charles B., assignor to Citizens National Trust & Savings Bank, Los Angeles, Calif. Automatic fluid pressure displacement pump. 1,872,804; Aug. 23.

Pendleton, Eldridge M., Vicksburg, Miss. Automobile lunch table. 1,891,834; Dec. 20.

Pendleton, Frank R. (See Hird, John B., jr., assignor.)

Pendleton, Ralph I., Sunnydale, Calif. Well pump. 1,846,435; Feb. 23.

Pendry, William R., Cleveland, Ohio. Automatic control mechanism. 1,865,333; June 28.

Peneff, Georg. (See Schmidt, A., and Peneff.)
Penfold, Albert E., Birmingham, Ala., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Tennis ball and the like. 1,865,481; July 5.
Pengilly, Joseph H., Los Angeles, Calif., and W. F. Wilson, Houston, Tex., assignors to Diamond Electrical Manufacturing Co., Los Angeles, Calif. Switchboard. 1,846,653; Feb. 23.
Pengilly, Lewis, San Francisco, Calif. Cigarette lighter and dispenser. 1,854,380; Apr. 19.
Penick, Arthur J. and K. T., Houston, Tex. Safety valve. 1,858,207; May 17.
Penick & Ford Ltd. (See Vanderbilt, Joseph B., assignor.)
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Penka, William J., Cimlin, Kans. Grease gun filler. 1,867,468; July 12.
Penkoski, Stanley, New York, N. Y. Two-in-one chisel. 1,877,666; Sept. 13.
Penley Brothers Company. (See Penley, Lester H., assignor.)
Penley, Lester H., Portland, assignor to Penley Brothers Company, Paris, Maine. Clothespin. Des. 86,404; Mar. 1.
Penman, Robert, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Calking machine. 1,849,723; Mar. 15.
Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Lubricant pressure actuated control device. 1,855,452; Apr. 12.
Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure. 1,862,631; June 14.
Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Room thermostat. 1,867,756; July 19.
Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Motor actuated furnace control. 1,881,955; Oct. 11.
Penn, Charles, deceased, assignor to The American Tobacco Company, New York, N. Y. Cigarette package. Re18,529; July 19.
Penn Electric Switch Co. (See Henning, Malcolm E., assignor.)
Penn Electric Switch Co. (See Penn, Albert, assignor.)
Penn Electric Switch Co. (See Stem, Russell W., assignor.)
Penn, George R. (See Oliver, R., and Penn.)
Penn Mutual Life Insurance Company. (See Ainsworth, assignor.)
Penn Metal Company. (See Baker, Herbert K., assignor.)
Penn, Norman L. (See Phelps, A. W., and Penn.)
Penn, Walter Shelsley, England, assignor to Roadless Traction, Limited, Hounslow, Middlesex, England. Joints of chain or like members. 1,865,334; June 28.
Pennefather, Alfred A. E., Timaru, New Zealand. Sleeve locking hook. 1,886,726; Nov. 8.
Penner, Carl B., Starbuck, Wash. Power truck attachment for tractors. 1,844,524; Feb. 9.
Penner, Ernest B., Seattle, Wash. Log-boom securing device. 1,843,625; Feb. 2.
Penney, Gaylord W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sealing gland for rotatable shafts. 1,840,127; Jan. 5.
Penney, Harold D. (See Chaplin, Edwin D., assignor.)
Penney, J. C., Company. (See Guthrie, John, assignor.)
Penney, J. C., Company. (See Rader, Robert J., assignor.)
Penning, Cornelius J. H., Victorias, Negros Occidental, Philippine Islands. Internal combustion engine of the oppositely-moving piston type. 1,890,794; Dec. 13.
Pennington, Claude, San Diego, Calif., assignor to Koehring Company, Milwaukee, Wis. Accelerator for power shovels. 1,877,427; Sept. 13.
Pennington, Harold C., East Orange, N. J., assignor to J. B. Colson, New York, N. Y., and C. R. Morton, Summit, N. J. Electric steam radiator. 1,866,221; July 5.
Pennington, Harry, San Antonio, Tex. Well drilling apparatus. 1,892,317; Dec. 27.
Pennington, Mary E., New York, N. Y. Conditioning system for cold storage rooms. 1,882,030; Oct. 11.
Pennington, Mary E., assignor to The Borden Company, New York, N. Y. Scale for determining the color of egg meat. 1,868,542; July 26.
Pennington, William P. (See Cannon, William R.)
Pennock, Edward M., assignor to G. H. Tennant Company, Minneapolis, Minn. Crate corners and rail bottom. 1,890,161; Dec. 6.
Pennsylvania Carpet Corporation. (See Gero, Victor, assignor.)
Pennsylvania Crusher Company. (See Battey, William A., assignor.)
Pennsylvania Crusher Company. (See Borton, George W., assignor.)
Pennsylvania Crusher Company. (See Hartshorn, Stanley D., assignor.)
Pennsylvania Crusher Company. (See Keiper, Edwin H., assignor.)
Pennsylvania Gasoline Drill Company. (See Schmidt, Lionel A., assignor.)
Pennsylvania Globe Company. (See Shaw, A. B., and LeGorre, assignors.)
Pennsylvania Novelty Company. (See Townsend, William S., assignor.)
Pennsylvania Pump and Compressor Company. (See Nathan, Ellis, assignor.)
Pennsylvania Pump & Compressor Company. (See Noble, William H., assignor.)
Pennsylvania Rubber Company. (See Humphrey, Walter L., assignor.)
Pennsylvania Salt Manufacturing Company. (See Ioannou, John P.)
Pennsylvania Salt Manufacturing Company, The. (See Pritchard, David A., assignor.)
Pennsylvania State College, The. (See Lorand, Eugene J., assignor.)
Pennsylvania State College, The. (See Sinden, James W., assignor.)
Pennsylvania Wire Glass Company. (See Shuman, Arno, assignor.)
Penny, J. C., Company. (See Wieland, George G., assignor.)
Penobscot Chemical Fibre Company. (See Hooper, Henry L., assignor.)
Penote, Augustus J., Shaker Heights, Ohio. Swinging conveyer trencher. 1,842,193; Jan. 19.
Penote, Augustus J., Shaker Heights, Ohio. Excess pressure relieving device. 1,889,810; Dec. 6.
Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Fluid lift for use in wells. 1,844,261; Feb. 9.
Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Hydraulic pump for use in the bottom of wells. 1,845,179; Feb. 16.
Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Head flowing fluid lift. 1,845,180; Feb. 16.
Penrod, John, assignor of one-half to R. D. Thompson Okmulgee, Okla. Head flowing fluid lift. 1,845,181; Feb. 16.
Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Fluid lift for wells. 1,845,182; Feb. 16.
Penrose, Clara A., assignor of one-half to P. O. Penrose, London, England. Convertible furniture. 1,881,095; Oct. 4.
Penrose, Philip O. (See Penrose, Clara A., assignor.)
Pensrum, Sylvanus, Washington, Mo. Circuit breaker for motor vehicles. 1,867,278; July 12.
Penteado, Armando A., Paris, France. Recording and reproducing phonographic diaphragm device. 1,848,973; Mar. 8.
Penteado, Armando A., Paris, France. Stretching device particularly applicable to thin phonographic disks. 1,852,289; Nov. 29.
Pentland, Peter, Weehawken, N. J. Building construction. 1,875,131; Aug. 30.
Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New York, N. Y. Hose coupling. 1,839,338; Jan. 5.
Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New York, N. Y. Hydraulic brake. 1,881,240; Oct. 4.
Pentz Motor Brake Corporation. (See Pentz, Albert D., assignor.)
Penuel, Cecil E. (See Bickelhaupt, C. O., and Penuel, assignors.)
Peo, Ralph F., Kenmore, assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,852,753; Apr. 5.
Peo, Ralph F., Kenmore, assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,881,956; Oct. 11.
Peo, Ralph F., Kenmore, assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,881,957; Oct. 11.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Joint. 1,881,958; Oct. 11.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Coupling for relatively movable members. 1,881,959; Oct. 11.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Sway preventing device. 1,881,960; Oct. 11.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,884,188; Oct. 25.
People of the United States of America. (See Myers, F. B., and Baker, assignors.)
People of the United States of America, The. (See Robinson, Reginald H., assignor.)
Perazzoli, Henry, Philadelphia, Pa. Milling machine. 1,874,424; Nov. 8.
Perazzoli, Henry, Philadelphia, Pa. Railway track grinder. 1,891,173; Dec. 13.
Perazzoli, Henry, Philadelphia, Pa. Railway track grinder. 1,891,174; Dec. 13.
Pereau, Paris, Exeter, Calif. Disappearing grave marker. 1,886,136; Nov. 4.
Pereira, Leonard, New York, N. Y. Combination writing pad and flash light. 1,889,373; Nov. 29.
People and the Government of the United States of America. The. (See Groggins, Philip H., assignor.)
People of the United States, The. (See Johnson, S. P., and Williams, assignors.)
People of the United States of America, The. (See McBirney, Stanley W.)
People of the United States of America. (See Perrott, G. S., and Holderer, assignors.)

Peoples, Robert, assignor to Durant Manufacturing Company, Milwaukee, Wis. Mixer controlling device. 1,850,849; Mar. 22.

Peperkorn, Heinrich, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe, Germany. Two pressure boiler installation. 1,849,588; Mar. 15.

Pepler, Thomas, assignor to B. G. Rohret, Iowa City, Iowa. Bed table. 1,862,237; June 7.

Pepper, Jesse J., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Hose nozzle for dispensing apparatus. 1,850,063; Mar. 15.

Pepper, Jesse J., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Electrical switch. 1,864,369; June 21.

Pepper, David, Philadelphia, Pa. Forming battery plates. 1,860,051; May 24.

Pepperdine, Ben, Chicago, Ill. Making tool handles. 1,858,885; Nov. 22.

Pepperell Manufacturing Company. (See Ogden, Floyd H., assignor.)

Percival, C. L., & Co. (See Percival, Worth H., assignor.)

Percival, John G. (See Henderson, B. W., and Percival.)

Percival, Worth H., assignor to C. L. Percival & Co., Des Moines, Iowa. Freezer cooler. 1,840,738; Jan. 12.

Percival, Worth H., assignor to C. L. Percival & Co., Des Moines, Iowa. Refrigerator cooling structure. 1,861,876; June 7.

Percy, William W., Seattle, Wash. Reducing iron oxide ore to its metallic form. 1,863,804; June 21.

Perdue, Wynter, Chicago, Ill., assignor to Ramapo Ajax Corporation, New York, N. Y. Frog. 1,862,547; June 14.

Pereda, Manuel, Buenos Aires, Argentina. Flexible tires for vehicles. 1,861,390; June 7.

Peregoy, Frederick N., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Bottle. Des. 87,233; Apr. 26.

Pereira, Antonio. (See Silva, Francisco, assignor.)

Pereles, Alvin A., assignor to Pereles Bros. Inc., Milwaukee, Wis. Headpiece. 1,859,313; May 24.

Pereles Bros. Inc. (See Pereles, Alvin A., assignor.)

Pereles Bros. Inc. (See Sharf, Arthur E., assignor.)

Perey, John F. (See Kennedy, E. J., and Perey.)

Perey Manufacturing Company. (See Kennedy, E. J., and Perey, assignors.)

Perez, Fernando, Rome, Italy. Microscope for examining pictures with rasant lateral lighting. 1,873,149; Aug. 23.

Perez, Louis P., Philadelphia, Pa. Cigarette and match container. 1,859,789; Dec. 6.

Perfect Circle Company, The. (See Bramberry, Harry M., assignor.)

Perfect Circle Company, The. (See Teetor, Charles N., assignor.)

Perfect Circle Company, The. (See Teetor, Herman, assignor.)

Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)

Perfection Biscuit Company. (See Mullendore, Harvey, assignor.)

Perfection Burial Vault Company. (See Wegner, Clarence J., assignor.)

Perfection Steel Body Company. (See Bordeaux, Ephriam P., assignor.)

Perfection Steel Body Co. (See Cohen, Ralph, assignor.)

Perfection Steel Body Co., The. (See Knecht, Arthur E., assignor.)

Perfection Steel Body Co. (See Wegner, Clarence J., assignor.)

Perfection Stove Company. (See Chadwick, Lee S., assignor.)

Perfection Stove Company. (See Chadwick, L. S., and Resek, assignors.)

Perfection Stove Company. (See Chadwick, L. S., Resek, and Dahlstrom, assignors.)

Perfection Stove Company. (See Chadwick, L. S., Resek, and Kessler, assignors.)

Perfection Stove Company. (See Dahlstrom, John A., assignor.)

Perfection Stove Company. (See Keith, D. F., assignor.)

Perfection Stove Company. (See Resek, Marc, assignor.)

Perfex Corporation. (See MacLeod, Daniel T., assignor.)

Perfler, Arthur J. (See Mooers, Louis P., assignor.)

Perilhou, Etienne, assignor to Societe Huiles, Goudrons & Derives, Lens, France. Extracting phenols from phenolic tar oils. 1,861,357; May 31.

Perin, Donald W., Brookline, Mass., assignor to American Freight Service, Inc., New York, N. Y. Removable container. 1,862,632; June 14.

Perkett, Louis F., Traverse City, Mich. Humidifier. 1,871,277; Aug. 9.

Perkins, Albert G., Buffalo, N. Y. Seaming tool for pipe joints. 1,839,255; Jan. 5.

Perkins, Albert G., Buffalo, N. Y. Apparatus for coating pipes. 1,839,891; Jan. 5.

Perkins, Albert G., Buffalo, N. Y. Pipe joint and making same. 1,886,421; Nov. 8.

Perkins, Albert G., Buffalo, N. Y. Track for pipe joint sealing tools. 1,889,790; Dec. 6.

Perkins, B. F., & Son, Inc. (See Lade, Archibald, assignor.)

Perkins, B. F., and Son, Inc. (See Senna, Samuel N., assignor.)

Perkins, Baker Company. (See Heuwing, Gerhard, assignor.)

Perkins, Barney Y., B. T. Welborn, and R. W. Starke, assignors to Butters Manufacturing Company, Atlanta, Ga. Sound record groove finder. 1,844,137; Feb. 9.

Perkins Cementing, Inc. (See Wickersham, Newton W., assignor.)

Perkins, Charles A., Fresno, Calif. Liquid dispenser. 1,851,290; Mar. 29.

Perkins, Edward, Rhodes, Aegean Sea. Ship's hatch. 1,877,361; Sept. 13.

Perkins, Frank P., assignor to Michael Yundt Company, Waukesha, Wis. Loader for bottle cleaning machinery. 1,861,961; Oct. 11.

Perkins, George B., Pasadena, Calif. Cooking device. 1,892,117; Dec. 27.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 86,054; Jan. 19.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 86,536; Mar. 15.

Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. Des. 86,972; May 17.

Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. Des. 87,756; Sept. 13.

Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. Des. 87,793; Sept. 20.

Perkins, Harry F. (See Deacon, W. T., and Perkins.)

Perkins, Ivan M. (See Funsten, S. R., and Perkins.)

Perkins, Jacob B., Cleveland, Ohio. Method of and apparatus for agitating. 1,854,761; Apr. 19.

Perkins, James C., et al. (See Croslen, Roy C., assignor.)

Perkins, Julian L., West Springfield, Mass. Speed reduction mechanism. 1,859,462; May 24.

Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine tub holder. 1,847,065; Mar. 1.

Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Mangle or wringer construction. 1,875,467; Sept. 6.

Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Agitator drive for washing machines or the like. 1,877,581; Sept. 13.

Perkins, Karl D. (See Karr, A. D., and Perkins.)

Perkins, Kenneth, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric lamp socket. 1,852,365; Apr. 5.

Perkins, Lee, Belmont, Mass. Liquid indicator. 1,878,801; Sept. 20.

Perkins, Lewis B. (See Hughes, J. M., Carter, and Perkins.)

Perkins, Louis E., Brooklyn, N. Y. Combination marine lamp and mooring bit. 1,852,260; Apr. 5.

Perkins Machine & Gear Company. (See Croft, Hiram D., assignor.)

Perkins Machine and Gear Company. (See Oakley, John, assignor.)

Perkins Machine & Gear Company. (See Perkins, J. L., and Croft, assignors.)

Perkins, Nathan W., East Orange, assignor to Ellis Adding Typewriter Company, Newark, N. J. Multiple accumulator calculating machine. 1,874,709; Aug. 30.

Perkins, Nathan W., East Orange, assignor to Ellis Adding Typewriter Company, Newark, N. J. Combined calculating and printing and perforating machine. 1,884,189; Oct. 25.

Perkins, Otis E., Portland, Oreg. Dehydrating classifier for sand and gravel plants. 1,839,804; Jan. 5.

Perkins, Ralph P. (See Britton, E. C., and Perkins.)

Perkins, Ralph P., and P. S. Petrie, assignors to The Dow Chemical Company, Midland, Mich. Production of primary aromatic amines of the benzene series by hydrogenation of their corresponding azo ethers. 1,890,430; Dec. 6

Perkins, Robert L. (See Moses, F. G., Hess, and Perkins.)

Perkins, Rody P., Baltimore, Md. Closure. 1,878,599; Sept. 20.

Perkins, Roy O., sr., San Antonio, Tex. Dental articulator. 1,848,267; Mar. 8.

Perkins, Samuel J. (See Kelley, K., and Perkins.)

Perkins, Wallace W. (See Asire, H. W., Perkins, and Martin.)

Perklomen Trunk & Bag Company. (See Cramer, J., and Shertz, assignors.)

Perks, George W., assignor of one-half to John R. Gammeter, Akron, Ohio. Expansion joint or coupling. 1,869,021; July 26.

Perks, George W. (See Baker, G. R., Epps, and Perks.)

Perky, Scott H., Batavia, N. Y. Making cereal food product. 1,839,928; Jan. 5.

Perl, Leo C., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,865,718; July 5.

Perlman, Edward, Chicago, Ill. Filtering device. 1,872,802; Aug. 23.

Perlman, Joseph J., and N. H. Perlman, assignors to Handy Button Machine Co., Chicago, Ill. Tufting button. 1,881,962; Oct. 11.

Perlman, Nathan H. (See Perlman, Joseph J. and N. H.)

Perlmutter, Harry, Brooklyn, N. Y. Baby carriage structure. 1,884,190; Oct. 25.

Pericff, Joseph, Brooklyn, N. Y. Adjustable top for tables. 1,884,191; Oct. 25.

Permutit Company, The. (See Behrman, Abraham S., assignor.)

Permutit Company, The. (See De Ville, Edward J., assignor.)

Permutit Company, The. (See Green, Walter H., assignor.)

Permutit Company, The. (See Harwood, S. G., and Griswold, assignors.)

Permutit Company, The. (See Horvath, Anthony G., assignor.)

Permutit Company, The. (See Kriegsheim, Heinrich, assignor.)

Permutit Company, The. (See Liebknecht, Otto, assignor.)

Permutit Company, The. (See McConnell, Alfred F., assignor.)

Permutit Company, The. (See Nome, Peter A., assignor.)

Permutit Company, The. (See Stickney, Charles, assignor.)

Pernek, Thomas, sr., Hartford, Conn. Safety pocket knife. 1,869,158; May 17.

Perony, Jean A., assignor to Societe d'Outillage Mecanique et d'Usinage d'Artillerie, Saint-Ouen, France. Arrangement of auxiliary brushes for road sweeping machines. 1,867,697; Nov. 15.

Perotti, Antero, et al. (See Foti, Charles, assignor.)

Perpetual Self Winding Watch Corporation. (See Frey, Emil, assignor.)

Perpetual Self Winding Watch Company of America, Inc. (See Reiner, Max, assignor.)

Perpetual Self Winding Watch Corporation. (See Reiner, Max, assignor.)

Perrault, Joseph E., Watertown, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Mold. 1,860,429; May 31.

Perrenot, Albert, New York, N. Y. Tire grooving tool. 1,854,312; Apr. 19.

Perret, Gaston, Paris, France. Device for tensioning crimped lace in the course of weaving. 1,860,592; May 31.

Perrett, Albert, Mount Lebanon Branch, Pa. Leveling device for mill rolls. 1,840,171; Jan. 5.

Perrett, Albert, Pittsburgh, Pa. Coiler for hot rod mills. 1,859,159; May 17.

Perrigo, L., Company. (See Tripp, Harold D., assignor.)

Perrin, James E., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,853,636; Apr. 12.

Perrin, James E., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,881,763; Oct. 11.

Perron, Leon, Brooklyn, N. Y. Invalid chair and cabinet. 1,887,323; Nov. 8.

Perron, Marcel J. (See Miguet, P. L. J., and Perron.)

Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake operating mechanism. 1,856,424; May 3.

Perrot, Henri, Paris, France, and G. Calvignac, Mannheim, Germany, assignors, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake shoe. 1,876,621; Sept. 6.

Perrot, Henri, Paris, France, and G. Calvignac, Mannheim, Baden, Germany, assignors, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake. 1,875,709; Sept. 6.

Perrott, George S., Pittsburgh, Pa., and G. B. Holderer, Scarsdale, N. Y., assignors, by mesne assignments, to the People of the United States of America. Explosive. 1,866,816; July 31.

Perrott, Laurence F., Revere, Mass., assignor to General Electric Company. Rectifying apparatus. 1,889,612; Nov. 29.

Perrotti, Francesco, Milan, Italy. Electric switch. 1,886,153; Nov. 1.

Perroux, Georges E. M., and V. Corelli; said Perroux assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. High frequency amplifier. 1,872,334; Aug. 16.

Perry, Clarence N., Edgewater, Colo. Electric safety clothes wringer. 1,886,727; Nov. 8.

Perry, Claude B., San Jose, Calif. Pipe threading device. 1,863,067; June 14.

Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,863,606; June 21.

Perry, Donald B. (See Perry, G. S., Wyllie, and Perry.)

Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Telegraph communication system. 1,856,224; May 3.

Perry, Edmund S., Athelney, England. Inkstand. 1,842,763; Jan. 26.

Perry, Emanuel J., New Bedford, Mass., assignor to The American Laundry Machinery Company, Norwood, Ohio. Washing machine. 1,840,172; Jan. 5.

Perry, Emanuel J., New Bedford, Mass., assignor to The American Laundry Machinery Company, Norwood, Ohio. Washing machine. 1,840,209; Jan. 5.

Perry, Emanuel J., New Bedford, Mass., assignor, by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Washing machine. 1,840,328; Jan. 12.

Perry, Emanuel J., New Bedford, Mass., assignor, by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Automatic washing machine. 1,849,952; Mar. 15.

Perry, Emanuel J., New Bedford, Mass., assignor, by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Washing machine. 1,856,168; May 3.

Perry, Emanuel J., New Bedford, Mass., assignor, by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Control system and mechanism. 1,865,584; July 5.

Perry, Ernest J. (See Tomkinson, G., and Perry.)

Perry, Francis W., assignor, by mesne assignments, to Edwin L. Wiegand, Pittsburgh, Pa. Lift for automotive vehicles. 1,884,192; Oct. 25.

Perry, Francis W., and E. L. Wiegand, assignors, by mesne assignments, to E. L. Wiegand, Pittsburgh, Pa. Power lift. 1,846,436; Feb. 23.

Perry, Frank B. (See Henrikson, Arthur G., assignor.)

Perry, Franklin W., Lynnfield Center, Mass. Poultry feeder. 1,862,349; June 7.

Perry, Goldie E. N., et al. (See Nelis, William D., assignor.)

Perry, Henry H. (See Lohrke, J. L., and Perry.)

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Doorstep and the like. 1,884,827; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,828; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,829; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,830; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,831; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,832; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,833; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door pillar and the like. 1,884,834; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,835; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,836; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,837; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,838; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door bumper and the like. 1,884,839; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Doorstep and the like. 1,884,997; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door pillar and the like. 1,884,998; Oct. 25.

Perry, Ira D., Chicago, assignor to E. L. Meyer, Rockford, Ill. Door pillar and the like. 1,886,974; Nov. 8.

Perry, James E., Carrollton, Tex. Drinking vessel. 1,879,820; Sept. 27.

Perry, John E., Youngstown, Ohio, and G. Ramsey, Brooklyn, N. Y. Apparatus and method of continuous casting of steel. 1,841,297; Jan. 12.

Perry, John E., Youngstown, Ohio, and G. Ramsey, Brooklyn, N. Y. Method and apparatus for continuous casting of steel billets. 1,865,443; July 5.

Perry, John, jr., Seekonk, Mass., assignor to H & B American Machine Co., Pawtucket, R. I. Reversible spindle drive for spinning and twisting machines. 1,851,937; Mar. 29.

Perry, John W., Wheeling, W. Va. Sheet metal pack conveyer. 1,857,566; May 10.

Perry, Joseph A., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Production of hydrogen. 1,848,654; Mar. 8.

Perry, Kenneth M., Montreal, Quebec, assignor to G. C. Riley, Montreal, Canada. Rock drill. 1,865,585; July 5.

Perry, Leslie L., and A. M. Rossman, Wilmette, assignors to Sargent & Lundy, Incorporated, Chicago, Ill. Generating and distributing current flow. 1,892,533; Dec. 27.

Perry, Lindon A., Worth, Ill., assignor to Chicago Pottery Company, Wilmington, Del. Mold for making vitreous china articles. 1,852,332; Apr. 5.

Perry, Raymond G., Ottawa, Ontario, Canada. Landing gear for aircraft. 1,844,295; Feb. 9.

Perry, Stanley, assignor to Automatic Burner Corporation, Chicago, Ill. Oil burner. 1,891,835; Dec. 20.

Perry, Walter M. (See Sperry, E. A., and Perry.)

Perry, Walter M., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Low rail joint recorder. 1,884,193; Oct. 25.

Perryman Electric Co., Inc. (See Schwerin, Paul, assignor.)

Perser Corporation, The. (See Draper, Ernest E., assignor.)

Perser Corporation, The. (See Sas, Elmer, assignor.)

Pershall, Ralph H., assignor to Sanicut Manufacturing Company, Bremerton, Wash. Dispenser of various substances, such as liquids, powders, granulates. 1,884,840; Oct. 25.

Persiel, H., Hornau-in-Taunus, G. Balle and K. Sponsel, Hochst-on-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial product from cellulose derivatives and preparing the same. 1,885,475; Nov. 1.

Persiel, H., Hornau in Taunus, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing artificial materials and coatings of all kinds. 1,848,268; Mar. 8.

Persinger, Bernard E., Washburn, N. Dak. Barrel lifter. 1,841,253; Jan. 12.

Person, Earl E., Leominster, Mass., assignor to Du Pont Viscoloid Company, Wilmington, Del. Brush bristling machine. 1,846,141; Feb. 23.

Person, Earl E., Leominster, Mass., assignor to Du Pont Viscoloid Company, Wilmington, Del. Edge shaping machine. 1,863,251; June 14.

Persons, Ernest L., North Attleboro, assignor to Mason Box Company, Attleboro, Mass. Box top or similar article. Des. 86,330; Feb. 23.

Persons, Ernest L., Chicago, Ill., assignor to David J. Molloy Company. Feeding attachment for bookbinder presses. 1,863,165; June 14.

Persons, Laurence M., St. Louis, Mo. Draft control means. 1,846,653; Mar. 8.

Persons, Laurence M., St. Louis, Mo. Vapor motor. 1,856,586; May 3.

Persons, Laurence M., St. Louis, Mo. Electric switch. 1,874,116; Aug. 30.

Persons, Laurence M., St. Louis, Mo. Thermostat. 1,874,117; Aug. 30.

Persons, Laurence M., assignor to Emerson Electric Manufacturing Co., St. Louis, Mo. Fan. 1,856,587; May 3.

Persons, Laurence M., assignor to Emerson Electric Manufacturing Co., St. Louis, Mo. Fan and means for directing the air current therethrough. 1,861,608; June 7.

Persons, Laurence M., assignor to Emerson Electric Manufacturing Co., St. Louis, Mo. Centrifugal clutch for motors. 1,862,382; June 14.

Persons, Laurence M., assignor to Emerson Electric Manufacturing Co., St. Louis, Mo. Fan. 1,866,127; July 5.

Persons, Laurence M., Chicago, Ill. Damper control for heating furnaces. 1,865,641; July 5.

Persons, Laurence M., Chicago, Ill. Vapor motor. 1,881,964; Oct. 11.

Persons, Laurence M., assignor to Emerson Electric Manufacturing Co., St. Louis, Mo. Fan. 1,889,567; Nov. 29.

Persons, Lawrence M., Quincy, Ill. Electric valve control. 1,855,415; Apr. 29.

Persons, Lawrence M., Quincy, Ill. Water supply regulator. 1,874,611; Aug. 30.

Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pump. 1,843,371; Feb. 2.

Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Conductor clip. 1,865,207; June 28.

Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Regulator. 1,874,710; Aug. 30.

Persons, Lawrence M., St. Louis, Mo., assignor to Cook Electric Company, Chicago, Ill. Heat motor. 1,885,285; Nov. 1.

Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Electric draft controller. 1,889,613; Nov. 29.

Persons, Lawrence M., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Fan. 1,847,666; Mar. 1.

Persons, Lawrence M., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Humidifier. 1,888,434; Nov. 22.

Persson, Anders, Lidingo, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Valve. 1,856,505; May 3.

Persson, Lars G., New York, N. Y., assignor to A. B. See Elevator Company, Inc. Elevator car guide. 1,872,803; Aug. 23.

Pertot, Frank, Brooklyn, N. Y. Hat form. 1,863,123; June 14.

Pertwee, Herbert A., Great Yarmouth, England. Disintegrating solid materials. 1,851,683; Mar. 29.

Perusick, John A., Butte, Mont. Drill. 1,887,698; Nov. 15.

Peruzzini, Carlo, Milan, Italy. Weighing machine. 1,870,379; Aug. 9.

Pervier, William A., Watertown, assignor to C. E. Parkhurst, Somerville, Mass. Mixing apparatus. 1,857,863; May 10.

Pescara, Raul, P., Barcelona, Spain. Safety contact device for automobiles. 1,878,313; Sept. 20.

Peshette, James L., Peru, N. Y. Tire spreading machine. 1,866,518; July 5.

Pesola, Nillo, Fitchburg, Mass. Fender tool. 1,846,905; Feb. 23.

Pesola, Nillo, Fitchburg, Mass. Electric fender tool. 1,858,169; May 10.

Pestalozza, Ugo, assignor to Societa Italiana Pirelli, Milan, Italy. Manufacture of rubber articles. Re18,437; Apr. 26.

Pestarini, Joseph M., St. Quen, France, assignor to General Electric Company. Engine-generator set for vehicles. 1,843,730; Feb. 2.

Pestel, Arthur, New York, N. Y. Eraser holder. 1,884,841; Oct. 25.

Pete, Sarah S., Pittsburgh, Pa. Mechanical toy. 1,839,256; Jan. 5.

Peter, Adolf, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Meter calibrating apparatus. 1,890,884; Dec. 13.

Peter, Albin, assignor to the Firm of Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of 1-aminoanthraquinone-2-sulphonic acid. 1,871,466; Aug. 16.

Peter, Albin, assignor to the Firm of Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of new condensation products of the anthraquinone series. 1,891,317; Dec. 20.

Peter, Andrew H. (See Stokes, W. E., and Peter.)

Peter, Edward C., and Fred C. Schuknecht, Algonquin, and R. D. Schnoor, assignors to American Ironing Machine Company, Chicago, Ill. Ironing machine. 1,877,687; Sept. 13.

Peter, Erich. (See Helfthaler, T., and Peter.)

Peter, Henry A., Philadelphia, Pa., assignor to Pioneer Suspender Company, Garter. Des. 87,404; July 19.

Peter, Joseph, Lyons, assignor of thirty per cent to E. L. Nusser and thirty per cent to R. A. Kopp, Chicago, Ill. Vacuum pump. 1,879,947; Sept. 27.

Peter, Kurt, New York, N. Y. Game. 1,869,388; Aug. 2.

Peter, Leslie H., and R. S. Abbott, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Electrically operated apparatus for railway signaling and the like. 1,842,046; Jan. 19.

Peter, Leslie H., and W. A. Pearce, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Interlocking signaling. 1,850,039; Mar. 22.

Peter, William J., assignor to Aqua Systems Incorporated, New York, N. Y. Hydraulic system for storing and dispensing water-insoluble liquids heavier than water. 1,845,622; Feb. 16.

Peterkin, Albert G., jr., Bryn Mawr, Pa., and L. B. Smith, Moorestown, N. J., assignors to The Atlantic Refining Company, Philadelphia, Pa. Wax sweating. 1,841,846; Jan. 19.

Peternella, Jago, New York, N. Y. Life preserver. 1,840,637; Mar. 15.

Peters, Adolph. (See Scisinger, Harry A., assignor.)

Peters, Alfred. (See Reddelein, G., Matzdorf, and Peters.)

Peters Cartridge Company, The. (See Jacobs, George H., assignor.)

Peters, Charles L., assignor to Siemens Brothers & Company, Limited, London, England. Telephone system. 1,845,983; Feb. 16.

Peters, Clifford W., Huntington, W. Va. Dolly. 1,853,318; Apr. 12.

Peters, Dick C. (See Peters, Edward C. and D. C.)

Peters, Douglas Z., Ida Grove, Iowa. Jewelry display device. 1,872,804; Aug. 23.

Peters, Edward C. and D. C., Graftham, Petworth, England, assignors of Nut. 1,870,940; Aug. 9.

Peters, Edward F., deceased; E. O'Gallagher, administrator, assignor to The National Marking Machine Co., Cincinnati, Ohio. Convertible shipping and storage chest. 1,889,760; Dec. 6.

Peters, Emil H., Wilkinsburg, and H. H. Fenton, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electric power device. 1,851,725; Mar. 29.

Peters, Frank B., Minneapolis, Minn. Bullet-resisting cabinet. 1,875,488; Sept. 6.

Peters, Frank B., Minneapolis, Minn. Automatic storm sash operator. 1,879,460; Sept. 27.

Peters, Frederick W., Cleveland, Ohio. Universal joint. 1,881,326; Oct. 4.

Peters, Frederick W., assignor to Almetal Universal Joint Company, Cleveland, Ohio. Flexible connection. 1,861,753; June 7.

Peters, Frederick W., assignor to The Almetal Universal Joint Company, Cleveland, Ohio. Connecting rotatable members. 1,861,814; June 7.

Peters, Garrett H., assignor to Hercules Powder Company, Wilmington, Del. Safety glass. 1,882,298; Oct. 11.

Peters, Hans, assignor to Knorr-Bremse Aktiengesellschaft Lichtenberg, Berlin, Germany. Duplex pump. 1,873,864; May 10.

Peters, Henry, Clifton, assignor to Universal Patents Holding Co., Weehawken, N. J. Stocking. 1,858,596; May 17.

Peters, Henry W., Boston, Mass. Finger ring. 1,855,066; Apr. 19.

Peters, Henry W., Boston, Mass. Making jewelry. 1,878,314; Sept. 20.

Peters, Henry W., Boston, Mass. Article of jewelry. 1,881,291; Oct. 4.

Peters, Herman J. (See Brown, G., Roach, and Peters.)

Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Interior collar can. 1,842,459; Jan. 26.

Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Compound lining machine. 1,848,382; Mar. 8.

Peters, John F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pipe-welding system. 1,862,316; June 7.

Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Slitter. 1,866,941; July 12.

Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Can body maker. 1,875,353; Sept. 6.

Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can body soldering apparatus. 1,884,842; Oct. 25.

Peters, Joseph F., assignor of one-tenth to J. J. Planeta, New York, N. Y. Snow melting apparatus. 1,857,603; May 10.

Peters, Joseph F., jr. (See Lease, A. A., and Peters.)

Peters, Leo R. (See Severin, C., and Peters.)

Peters, Louis D., Jackson, Ohio. Adjustable mill screen. 1,847,193; Mar. 1.

Peters, Mark W., Glen Ridge, N. J., assignor to Eagle Pencil Company, New York, N. Y. Fountain pen holder. Des. 86,469; Mar. 8.

Peters, Mark W., Glen Ridge, N. J., assignor to Eagle Pencil Company, New York, N. Y. Pencil. Des. 86,740; Apr. 12.

Peters, Mark W., Glen Ridge, N. J., assignor to Eagle Pencil Company, New York, N. Y. Fountain pen. Des. 86,741; Apr. 12.

Peters, Mathias, Duisburg, Germany, assignor to Wellman Seaver Rolling Mill Company, Ltd., London, England. Process and apparatus for the manufacture of metal tubes and other tubular articles. Re18,418; Apr. 12.

Peters, Mathias, Duesseldorf, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Push bench mandrel guide. 1,889,320; Nov. 29.

Peters, Nicholas J., et al. (See Teaver, Joe L., assignor.)

Peters, Oskar E., Chemnitz, Germany. Reel. 1,839,339; Jan. 5.

Peters, Ralph H. (See Ree, Peter O., assignor.)

Peters, William R., Chicago, Ill. Finger nail clip. 1,841,847; Jan. 19.

Petersen, Axel C. G. (See Poulsen, A., and Petersen.)

Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Cigar lighter. 1,851,402; Mar. 29.

Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Mixer connecter. 1,868,985; July 12.

Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton N. J. Table tap. 1,889,695; Nov. 29.

Petersen, William, Chicago, Ill. Combination vacuum cleaner and floor waxing machine. 1,891,175; Dec. 13.

Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radio control device. Des. 88,105; Oct. 25.

Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Engine-shutter apparatus. 1,873,733; Aug. 16.

Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter units. 1,871,914; Aug. 16.

Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter unit. 1,876,017; Sept. 6.

Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter. 1,884,194; Oct. 25.

Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Shutter unit. 1,884,195; Oct. 25.

Petersen, Elliott I., Enfield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Method of and apparatus for weaving knotted pile fabrics. 1,849,534; Mar. 15.

Petersen, Elliott I., Enfield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. 1,850,988; Mar. 22.

Petersen, Elliott I., Enfield, assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Label. 1,885,031; Oct. 25.

Petersen, Elliott I., Enfield, assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Label. 1,885,032; Oct. 25.

Petersen, Elliott I., Enfield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Label. 1,885,033; Oct. 25.

Petersen, Elliott I., Enfield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Label for floor coverings. 1,885,034; Oct. 25.

Petersen, George, assignor to R. E. Petersen, Milwaukee, Wis. Sewer flusher. 1,848,269; Mar. 8.

Petersen, Henry, Mount Auburn, Iowa. Cultivator. 1,841,206; Jan. 12.

Petersen, Irnfried. (See Heimann, H., Opfermann, Petersen, and Bayerl.)

Petersen, Irnfried. (See Heimann, H., Petersen, Bayerl, and Seefried.)

Petersen, John D., Detroit, Mich. Making radiator cores. 1,872,494; Aug. 16.

Petersen, Nicolaus. (See Zetsche, J., Petersen, and Sinclair-Ross.)

Petersen Oven Company, The. (See Hoppe, Friedrich A., assignor.)

Petersen Oven Company, The. (See Rancke, Albert H., assignor.)

Petersen, Peter C., assignor to Viking Pump Company, Cedar Falls, Iowa. Rotary pump. 1,877,688; Sept. 13.

Petersen, Peter P., Carbondale, Okla. Slide trombone. 1,879,401; Sept. 27.

Petersen, Peter F., Carbondale, Okla. Musical instrument valve. 1,879,462; Sept. 27.

Petersen, Rosa E. (See Petersen, George, assignor.)

Petersen, Samuel, et al. (See Cavert, Edward N., assignor.)

Petersén, Wilhelm H., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric induction relay with two auxiliary phase windings counteracting each other. 1,848,270; Mar. 8.

Petersen, William E., St. Paul, Minn. Reagent for volumetric determination of fat. 1,841,672; Jan. 19.

Petersime, Ray M., Gettysburg, Ohio. Incubator. 1,884,843; Oct. 25.

Peterson, Adolphe C., Washington, D. C., assignor, by mesne assignments, to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Fuel injection engine. Re18,429; Apr. 19.

Peterson, Adolphe C., Minneapolis, Minn. Supercharging dual cycle engine. 1,841,148; Jan. 12.

Peterson, Adolphe C., Minneapolis, Minn., Supercharging multipower system. 1,841,149; Jan. 12.

Peterson, Adolphe C., Minneapolis, Minn. Multipowered aeroplane. 1,845,556; Feb. 16.

Peterson, Adolphe C., Minneapolis, Minn. Manually selective variable transmission means. 1,859,461; May 24.

Peterson, Adolphe C., Minneapolis, Minn. Dirigible construction. 1,862,606; June 14.

Peterson, Adolphe C., Minneapolis, Minn. Launching means. 1,869,212; July 26.

Peterson, Adolphe C., Minneapolis, Minn. Aeroplane wing device. 1,879,821; Sept. 27.

Peterson, Adolphe C., Minneapolis, Minn. Air braking means. 1,886,301; Nov. 1.

Peterson, Albert, Washburn, N. Dak. Traffic signal switch. 1,856,588; May 3.

Peterson, Andrew, and Ray A. Cornell, assignors to Foley Manufacturing Company, Minneapolis, Minn. Saw set. 1,851,773; Mar. 29.

Peterson, Arthur W., Albert City, Iowa. Clothesline. 1,844,228; Feb. 9.

Peterson, Arvid, assignor to De Laval Steam Turbine Company, Trenton, N. J. Rotary pump. 1,860,817; May 31.

Peterson, Axel A., Benson, Minn. Manure loader. 1,850,593; May 31.

Peterson, Axel M., Onamia, Minn. Portable heater. 1,887,782; Nov. 15.

Peterson, Bert L., Wooster, Ohio. Drilling tool joint. 1,855,363; Apr. 26.

Peterson, Bert L., Wooster, Ohio. Drill tool joint. 1,879,556; Sept. 27.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Warping apparatus. 1,872,179; Aug. 16.

Peterson, Carl E. (See Padgett, J. E., and Peterson.)

Peterson, Carl E. (See Anderson, Carl E., and Peterson, assignors.)

Peterson, Carl H., Worcester, Mass., assignor to The American Steel Wire Company of New Jersey. Apparatus for and method of manufacturing springs. 1,869,501; Aug. 2.

Peterson, Carolyn M., Evanston, Ill. Toy. Des. 86,405; Mar. 1.

Peterson, Carolyn M., Evanston, Ill. Toy. Des. 86,406; Mar. 1.

Peterson, Charles A., assignor to The Peterson Nut Company, Cleveland, Ohio. Display device for confections and the like. 1,850,643; Aug. 9.

Peterson, Charles F., Scotia, N. Y., assignor to General Electric Company. Making laminated insulation explosion chamber members. 1,860,158; May 24.

Peterson, Christen J., Chicago, Ill. Uniform flow valve. 1,850,850; Mar. 22.

Peterson, Clarence N., Polk, Nebr. Tray for brooders. 1,850,215; Mar. 22.

Peterson, Clifford E., Ogden, Utah. Can opener and sealer. 1,849,589; Mar. 15.

Peterson, Edward H. (See McNaught, N. F., and Peterson.)

Peterson, Edward H. (See Odlum, W. H., and Peterson.)

Peterson, Edward H., and W. H. Odlum, assignors to Duro Metal Products Company, Chicago, Ill. Brake lining tool. 1,872,493; Aug. 16.

Peterson, Edward S., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,889,107; Nov. 29.

Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company. Press. 1,884,196; Oct. 25.

Peterson, Emil A., assignor to Valley Iron Works Company, Appleton, Wis. Jordan engine. 1,890,622; Dec. 13.

Peterson, Emil A., and W. J. McGinnis, assignors to Valley Iron Works Company, Appleton, Wis. Cylinder paper machine. 1,856,081; May 3.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic wave-amplifying repeater. 1,884,844; Oct. 25.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic amplifier. 1,884,845; Oct. 25.

Peterson, Everett P., et al. (See Volk, Francis M., assignor.)

Peterson, Ezra M., Ogden, Utah. Apparatus for making frozen confections. 1,881,965; Oct. 11.

Peterson, Frank W., et al. (See Huber, Paul J., assignor.)

Peterson, George C., Co. (See Stille, Laurence C., assignor.)

Peterson, George H., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Timing circuit for telephone calls. 1,853,077; Apr. 12.

Peterson, Gust C., Jamestown, N. Y. Mirror supporting and adjusting device. 1,892,219; Dec. 27.

Peterson, Harold W., Long Beach, assignor to W. H. Davis, San Francisco, Calif. Hair drying apparatus. 1,889,338; Nov. 29.

Peterson, Gustaf A. (See Kendall, G. H., Clem, Peterson, and Vedder.)

Peterson, Hans J., Hattiesburg, Miss., and J. C. Peterson, Manhattan, Kans. Self-instructor and tester. 1,884,197; Oct. 25.

Peterson, Harold O. (See Beverage, H. H., and Peterson.)

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Side band selector receiver. 1,849,884; Mar. 15.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Transmission line. 1,860,052; May 24.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Elimination of fading by diversity factor. 1,863,695; June 21.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Screen grid tube. 1,873,026; Aug. 23.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Shielding for high frequency apparatus. 1,875,132; Aug. 30.

Peterson, Henry E., Des Moines, Iowa. Combination clear holder, dispenser, and ash tray. Des. 86,407; Mar. 1.

Peterson, Henry F., Grapeview, Wash. Grape press. 1,854,298; Feb. 2.

Peterson, Holly C., Toledo, Ohio. Christmas tree holder. 1,873,471; Aug. 23.

Peterson, John J., Eveleth, Minn. Cable terminal shield. 1,869,863; Aug. 2.

Peterson, Husted. (See Royer, Harry O., assignor.)

Peterson, Ira J., West Hartford, Conn. Electrical connecting device. 1,880,151; Sept. 27.

Peterson, John A., Hingham Center, Mass. Auxiliary storage tank and condenser for motor vehicle cooling systems. 1,873,632; Aug. 23.

Peterson, John C. (See Peterson, Hans J., and J. C.)

Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Controlling speed of and expanding cloth. 1,845,003; Feb. 16.

Peterson, John H., assignor of thirty-five per cent to E. G. Green, Silver City, Iowa. Brake mechanism. 1,888,092; Nov. 15.

Peterson, John H., Silver City, Iowa. Hydraulic brake. 1,888,093; Nov. 15.

Peterson, John N., Milwaukie, Oreg. Tool holder. 1,864,466; June 21.

Peterson, John T., Chicago, Ill. Air compressor. 1,872,805; Aug. 23.

Peterson, John W., assignor to Bendix Brake Company, South Bend, Ind. Manufacture of brake shoes. 1,864,929; June 28.

Peterson, Joseph A., and C. E. Olsen, Houston, Tex. Tongs. 1,857,397; May 10.

Peterson, Joseph A., and C. E. Olsen, Houston, Tex. Tong. 1,867,889; July 19.

Peterson, Julius, assignor to Deere & Company, Moline, Ill. Frog for lister plows. 1,869,463; May 24.

Peterson, Julius C., Chicago, Ill. Internal combustion engine. 1,859,474; May 24.

Peterson, Julius C., Chicago, Ill. Internal combustion engine. 1,872,180; Aug. 16.

Peterson, Lauritz, assignor to James H. Rhodes & Company, Chicago, Ill. Machine for making metal wool. 1,859,048; May 17.

Peterson, Magnus F., et al. (See Lascelles, W. J., Peterson, Scott, and Wilson.)

Peterson Nut Company, The. (See Peterson, Charles A., assignor.)

Peterson, Otto, assignor to The Russ Manufacturing Company, Cleveland, Ohio. Sirup pump. 1,874,612; Aug. 30.

Peterson, Otto W., Oakland, H. Keesling, San Mateo, and P. I. Kurtz, Oakland, Calif. Concrete flume structure and building same. 1,856,589; May 3.

Peterson, Pontus, Richmond Hill, N. Y., assignor to International Cigar Machinery Company. Bunch concentrator atomizing cleaner. 1,888,805; Nov. 22.

Peterson, Robert E., assignor, by mesne assignments, to Electric Steam Generators, Inc., New York, N. Y. Toilet seat sterilizer. 1,877,689; Sept. 13.

Peterson, Rolland E. (See Buccicone, D., and Peterson.)

Peterson, Roy E., assignor to The S. H. Hotchkiss Company, Norwalk, Conn. Desk stapling machine. 1,852,060; Apr. 5.

Peterson, Rudolph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Damping means for gear wheels. 1,852,538; Apr. 5.

Peterson, Rudolph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Damping means for gear wheels. 1,852,789; Apr. 5.

Peterson, Sigurd R., Detroit, Mich. Parachute trap. 1,844,504; Feb. 9.

Peterson, Victor H., Belmont, Mass. Variable speed mechanism for drills. 1,842,194; Jan. 19.

Peterson, Walter E., Inglewood, assignor of one-third to J. V. Palmer, Hermosa Beach, Calif. Tank cleaning device. 1,857,766; May 10.

Peterson, Walter K. (See Benjamin, B. R., and Peterson.)

Peterson, William B., Hannibal, Mo. Gate. 1,875,489; Sept. 6.

Peterson, William H., and E. B. Fred, Madison, Wis., assignors to Wisconsin Alumni Research Foundation. Production of lactic and acetic acids. 1,856,425; May 3.

Peterson, William R. (See Dorrington, N. E., and Peterson.)

Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Closing device for bag filling machines. 1,864,550; June 28.

Petit, Louis, Paris, France. Machine for continuous printing from tracings and the like. 1,876,741; Sept. 13.

Petit, William H., and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Combined studio camera casing and support therefor. Des. 85,990; Jan. 12.

Petit, William H., and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Rotary camera back. 1,885,286; Nov. 1.

Petitdidier, Robert, and F. V. Feynier, assignors to Etablissements Petitdidier (Ancienne Maison Jolly-Belin), St. Denis, France. Color printing process for textile fabrics. 1,847,697; Mar. 1.

Petitdidier, Robert, and F. V. Feynier, assignors to Etablissements Petitdidier (Ancienne Maison Jolly-Belin), St. Denis, France. Dyeing and printing of fabrics containing cotton fibers preliminarily immunized, which are combined with other fibers. 1,847,698; Mar. 1.

Petranovich, George, Clawson, Mich. Moistener. 1,891,110; Dec. 13.

Petre, Alexander P., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,891,716; June 2.

Petree, William B., San Francisco, Calif. Paper hanger's straight-edge. 1,847,412; Mar. 1.

Petrelli, Joseph V., New Rochelle, N. Y. Reverse gear. 1,839,991; Jan. 5.

Petrelli, Joseph V., New Rochelle, N. Y. Change speed or reverse gearing. 1,839,992; Jan. 5.

Petrequin, Frederic J., St. Genevieve, Mo. Apparatus for treating gases. 1,879,463; Sept. 27.

Petri, Gunther H., Boston, Mass. Forming machine for plastic material. 1,845,097; Feb. 16.

Petrick, James C. (See Petrick, John J. and J. C.)

Petrick, John J. and J. C., Plainfield, Wis. Paper sack holder. 1,852,895; Apr. 5.

Petrie, Peter S. (See Perkins, R. P., and Petrie.)

Petrik, Josef, Prague-Vinohrady, Czechoslovakia. Vacuum thermoelectric battery. 1,848,655; Mar. 8.

Petrilli, Harry E. (See Pearson, G. E., and Petrilli.)

Petrin, Dominique, Montague City, Mass. Locking plate for fish rods. 1,863,943; May 31.

Petro, John B., Waterbury, Conn. Rolling window screen. 1,843,731; Feb. 2.

Petroff, Grigori, Moscow, Union of Socialist Soviet Republics. Treating products obtained from plastic masses. 1,865,586; July 5.

Petroleum Chemical Corporation. (See Brooks, Benjamin T., assignor.)

Petroleum Chemical Corporation. (See Davis, Harold S., assignor.)

Petroleum Chemical Corporation. (See Davis, H. S., and Murray, assignors.)

Petroleum Conversion Corp. (See Beardsley, Edwin W., assignor.)

Petroleum Conversion Corporation. (See Beardsley, E. W., and Colony, assignors.)

Petroleum Conversion Corporation. (See Beardsley, E. W., and Sachs, assignors.)

Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)

Petroleum Derivatives Incorporated. (See Ryder, James C., assignor.)

Petroleum Engineering, Inc. (See Van Acker, Frank, assignor.)

Petroleum Heat & Power Company. (See Fesler, Milton A., assignor.)

Petroleum Heat and Power Company. (See Hammers, Morgan J., assignor.)

Petroleum Heat and Power Company. (See Macrae, James N., assignor.)

Petroleum Heat and Power Company. (See Macrae, J. N., and Packard, assignors.)

Petroleum Heat and Power Company. (See Macrae, J. N., and Thoresen, assignors.)

Petroleum Heat and Power Company. (See Whaley, Ralph S., assignor.)

Petroleum Iron Works Company, The. (See Freitag, T. R., and Mardersteck, assignors.)

Petroleum Rectifying Company. (See Fisher, Harmon F., assignor.)

Petroleum Rectifying Company. (See Van Loenen, William F., assignor.)

Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)

Petroleum Rectifying Company of California. (See Worthington, J. T., and Fisher, assignors.)

Petro-Sol Corporation. (See Prussin, Adolph A., assignor.)

Petrovic, Frank, assignor to E. J. Brach & Sons, Chicago, Ill. Candy ornaments. 1,852,885; Apr. 5.

Petrowitz, Friedrich. (See Neuhut, E., and Petrowitz.)

Petsche, Gustav B. (See Paterson, D. S., and Petsche.)

Petsche, Gustav B., and A. E. Drissner, assignors to The National Acme Company, Cleveland, Ohio. Adjustable port for centrifuges. 1,854,313; Apr. 19.

Petschenig, Karl. (See Raaber, H., Petschenig, Pechan, and Elchwalder.)

Petschenig, Karl, Vienna, Austria, assignor to the Firm: Aktiengesellschaft C. P. Goerz Optische Anstalt, Akcova Spolecnost K. P. Goerz opticky ústav, Bratislava, Czechoslovak Republic. Apparatus for mechanically solving rectangular triangles. 1,869,502; Aug. 2.

Petskeno, Charles H., assignor to The J. J. Fay & Egan Company, Cincinnati, Ohio. Coupling for sander drum shafts. 1,865,950; July 5.

Petters, Limited. (See Bruce, R. A., Hill, and Ratcliffe, assignors.)

Petters Limited. (See Hill, Geoffrey T. R., assignor.)

Pettersen, Charles O., New York, N. Y. Spectacles. 1,854,060; Apr. 12.

Pettibone, Walter W., Birmingham, Ala. Furnace water screen. 1,848,801; Mar. 8.

Pettibone, Walter W., Birmingham, Ala. Feeder for pulverizers and the like. 1,856,426; May 3.

Pettie, William F., Alton, England. Record for gramophones and the like and manufacturing same. 1,862,969; June 14.

Pettigrew, Ernest S., Gadsen, Ala. Fireplace fixture. 1,858,967; May 17.

Pettis, Clifton D., New York, N. Y. Casting mold. 1,866,599; July 12.

Pettit, Ernest N., jr., Little Rock, Ark. Shape retaining device for neckties. 1,855,476; Nov. 1.

Pettit, George A., New Orleans, La. Moss gatherer. 1,860,594; May 31.

Pettit, Karl D., Princeton, N. J., C. P. Wicks, Stamford, Conn., and J. W. Hajek, Ridgefield, N. J., assignors to American Cyanamid Corporation, New York, N. Y. Beverage dispensing apparatus. 1,874,060; Aug. 30.

Petty, Dabney E., and G. S. San Antonio, Tex. Reconcentrator. 1,864,213; June 21.

Petty, Fred J., assignor to Ball Brothers Company, Muncie, Ind. Glass jar. Des. 87,681; Aug. 30.

Petty, John E., et al. (See Meyer, David F., assignor.)

Petty, Olive S. (See Petty, Dabney E., and O. S.)

Petty, Olive S., San Antonio, Tex. Instrument for detecting vibrations. 1,864,214; June 21.

Petty, Thomas A. (See Moss, R. A., Riddell, and Petty.)

Petzold, Adolf. (See Laska, L., Zitscher, Christ, and Petzold.)

Pevear, Chase K., New York, N. Y. Crane. 1,877,582; Sept. 13.

Peverley, Ralph S., Chester, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 1,860,367; May 31.

Pevey Dairy Company. (See Copp, Ralph, assignor.)

Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Oil filter. 1,839,892; Jan. 5.

Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Distilling oil. 1,879,948; Sept. 27.

Pew, Preston F., assignor to General Water Purification Corporation, Chicago, Ill. Operation indicator. 1,839,993; Jan. 5.

Pew, Thomas C., assignor to Hoover Steel Ball Company, Ann Arbor, Mich. Grinding machine. 1,886,579; Nov. 8.

Pew, Thomas C., assignor to Hoover Steel Ball Company, Ann Arbor, Mich. Machine for feeding tapered rollers. 1,876,315; Sept. 6.

Peyer, Julius, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of gall acids. 1,861,319; May 31.

Peyinghaus, Walter, Ezge, near Volmarstein, Germany. Axle bearing. 1,848,026; Mar. 1.

Peyinghaus, Walter, Ezge, near Volmarstein, Germany. Axle bearing. 1,858,935; May 17.

Peyinghaus, Walter, Bezirk Hagen, Germany. Two-part axle bearing block or casing for railway vehicles. 1,865,335; June 28.

Peyinghaus, Walter, Ezge, Germany, assignor to Isothermas Corporation of America, New York, N. Y. Oil check ring for journal boxes. 1,865,951; July 5.

Peyinghaus, Walter, Ezge, Germany. Journal bearing. 1,892,628; Dec. 27.

Peyser, Irving, and R. Richter, Brooklyn, N. Y. Lift rod band bag lock. 1,852,061; Apr. 5.

Pezzella, Rocco, Washington, D. C. Hair wrapping instrument. 1,877,776; Sept. 20.

Pfaff, Henry C., assignor to Pfaff and Kendall, Newark, N. J. Making columns. 1,877,583; Sept. 13.

Pfaff and Kendall. (See Pfaff, Henry C., assignor.)

Pfaff and Kendall. (See Sutpben, Robert M., assignor.)

Pfaller, John B. (See Riehle, R. R., and Pfaller.)

Pfalzgraf, Ross M., Lynn, Mass., assignor to General Electric Company. Laminated core structure. 1,850,726; Mar. 22.

Pfandler Co., The. (See Phteplace, Walter D., assignor.)

Pfannenmüller, Hans. (See Keinath, G., and Pfannenmüller.)

Pfannenstiehl, Harry, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motion picture apparatus. 1,848,143; Mar. 8.

Pfannenstiehl, Harry, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Driving mechanism. 1,868,366; July 19.

Pfannenstiehl, Harry, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture system. 1,891,241; Dec. 20.

Pfannenstiel, Adolf, Berlin-Lichterande, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of a vanillin and 3-ethoxy-4-hydroxybenzaldehyde. 1,873,639; Aug. 23.

Pfanstiehl Chemical Company. (See Black, Robert S., assignor.)

Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve control system. 1,839,257; Jan. 5.

Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve. 1,860,619; May 31.

Pfaudler Co., The. (See Jacobsen, Jens N., assignor.)

Pfaudler Co., The. (See Smith, Harold E., assignor.)

Pfaudler Co., The. (See Gould, Ulysses G., assignor.)

Pfaundler, Conrad. (See Mittasch, A., Wietzel, and Pfaundler.)

Pfaundler, Conrad. (See Wietzel, R., and Pfaundler.)

Pfauser, Edward M., assignor to The Blackhawk Manufacturing Company, Milwaukee, Wis. Socket wrench. 1,873,472; Aug. 23.

Pfauser, Edward M., assignor to Blackhawk Manufacturing Company, Milwaukee, Wis. Hydraulic jack. 1,873,473; Aug. 23.

Pfauser, Edward M., assignor to Blackhawk Manufacturing Company, Milwaukee, Wis. Socket wrench. 1,874,029; Oct. 4.

Pfeffer, Felix, New York, N. Y. Brush and comb cleaner. 1,849,733; Mar. 15.

Pfeffer, Henry W., Narberth, Pa., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich. Induced draft apparatus. 1,852,519; Oct. 11.

Pfefferle, George H., assignor to S. B. Dresser Manufacturing Company, Bradford, Pa. Packing for pipe sections with respect to the couplings therefor. 1,889,133; Nov. 29.

Pfeifenring, Oscar, Berlin, Germany. Support for raisedly standing and stepping. 1,843,493; Feb. 2.

Pfeiffer, César, Asnieres, France, assignor to Fuller Company. Compressor and vacuum pump. 1,890,003; Dec. 6.

Pfeiffer, Christian. (See Moore, F. T., and Pfeiffer.)

Pfeiffer, Conrad L., jr., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch. 1,866,128; July 5.

Pfeiffer, Edward, New York, N. Y. Figurette. Des. 87,592; Aug. 16.

Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,868,367; July 19.

Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,869,613; Aug. 2.

Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company. Method of and apparatus for making tubing. 1,892,629; Dec. 27.

Pfeiffer, Fred B. (See Alexander, H. S., Pfeiffer, and White.)

Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Apparatus for building tire carcasses. 1,887,187; Nov. 8.

Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Building tire carcasses. 1,887,362; Nov. 8.

Pfeiffer, Gustavus A., New York, N. Y. Duplex face powder box. 1,850,500; Mar. 22.

Pfeiffer, Harry B., Denver, Colo. Device for automatically feeding and cutting off a supply of lubricating oil or other liquid. 1,886,729; Nov. 8.

Pfeiffer, Karl. (See McCain, G. L., and Pfeiffer.)

Pfeiffer, Karl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Valve spring. 1,840,128; Jan. 5.

Pfeiffer, Karl, Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Brake testing machine. 1,872,495; Aug. 16.

Pfeiffer, Max, Schwenningen-on-the-Neckar, Germany. Apparatus for applying paint. 1,890,192; Dec. 6.

Pfeiffer, Richard O., Newark, N. J. Electric lighting fixture. 1,846,813; Feb. 23.

Pfeiffer, William C. (See Stern, M. C., and Pfeiffer.)

Pfeiffner, Richard O., Newark, N. J. Electric lighting fixture. 1,856,590; May 3.

Pfeil, John C., assignor of one-half to V. F. Scott, Johnstown, Pa. Fire preventing device for moving picture machines. 1,886,948; Nov. 1.

Pfeil, Roy C. (See Bloss, R. R., and Pfeil.)

Pfeil, Victor A., Buffalo, N. Y. Musical instrument. 1,861,717; June 7.

Pfening, Fred D., Company, The. (See Pfening, Frederic D. and H., jr., assignors.)

Pfening, Frederic D. and H., jr., assignors to The Freo D. Pfening Company, Columbus, Ohio. Liquid measuring and dispensing apparatus. 1,876,512; Sept. 6.
Pfening, Henry, jr. (See Pfening, Frederic D. and H., jr.)
Pfiffner, Emil Fribourg, Switzerland, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Line protecting and message transmitting system. 1,865,952; July 5.
Pfiffner, Emil, Fribourg, Switzerland, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Producing films or the like, particularly for use in electric condensers. 1,873,474; Aug. 23.
Pfingst, C. J., Louisville, Ky. Smoker's article. 1,883,819; Oct. 18.
Pfingsten, August, Rock Rapids, Iowa. Bread box. 1,876,742; Sept. 13.
Pfister, Al., et al. (See Alcala, Pablo, assignor.)
Pfister, Arnold, Clifton, N. J. Manufacture of vegetable gum solutions. 1,874,681; Aug. 30.
Pfister, William A. (See Price, E., and Pfister.)
Pfizer, Charles, & Company. (See Bernbauer, K., and Schulhof, assignors.)
Pfizer, Charles, & Company. (See Pasternack, Richard, assignor.)
Pfizer, Charles, & Company. (See Pasternack, R., and Burnham, assignors.)
Pfizer, Charles, & Company. (See Pasternack, R., and Gilroy, assignors.)
Pfizer, Charles, & Company. (See Smith, John L., assignor.)
Pfluger, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway car. 1,842,423; Jan. 26.
Pflueger, Harry M., St. Louis, Mo., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Railway car structure 1,858,846; Oct. 25.
Pflueger, Charles F., Webster Groves, Mo. Gumming mechanism for envelope-making machines. 1,873,850; Aug. 23.
Pflueger, Charles F., Webster Groves, Mo. Envelope-making machine. 1,886,728; Nov. 8.
Pfleger, George T., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Inclosed convertible motor. 1,852,476; Apr. 5.
Pflimlin, Jules, Mulhouse, France. Spinning frame and the like. 1,869,797; July 26.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing rod. 1,844,044; Feb. 9.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing tackle. 1,858,276; May 10.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,858,277; May 10.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,871,386; Aug. 9.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Wooden bait and manufacturing same. 1,871,387; Aug. 9.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Special package. 1,871,388; Aug. 9.
Pflueger, Charles T., and W. L. Adams, Akron, Ohio. Salt water reel. Re18,580; Aug. 23.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,587; Mar. 15.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,588; Mar. 15.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,589; Mar. 15.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,616; Mar. 29.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,632; Mar. 29.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,633; Mar. 29.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Gasoline dispensing unit. Des. 86,634; Mar. 29.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Service station. Des. 88,173; Nov. 1.
Pflueger, Timothy L., assignor to Standard Stations, Inc., San Francisco, Calif. Building. Des. 88,255; Nov. 8.
Pflueger, Carl, and N. Guerin. (See Hauge, E., and Pflueger.)
Pflüger, Rudolf, Hamburg, Germany. Great circle ruling device. 1,849,202; Mar. 15.
Pfohl, Arthur, and N. Guerin, Connersville, Ind. Fender adjusting means. 1,860,200; May 24.
Pforiner, Arthur, assignor to Ideal Permanent Wave Products, Inc., Rosedale, Long Island, N. Y. Hair curling apparatus. 1,887,452; Nov. 8.
Pfous, Frank, Coshocton, Ohio. Display stand. 1,865,386; June 28.
Pfouts, Joan S., administratrix. (See Pfouts, Leroy S.)
Pfouts, Leroy S., deceased, by J. S. Pfouts, administratrix, assignor to The H. M. Miller Industries Company, Canton, Ohio. Freezing apparatus. 1,855,770; Apr. 26.
Pfretzschner, Adolf, Pasing, near Munich, Germany. Apparatus for stunning animals to be slaughteed. 1,857,655; May 10.
Pfricmer William J., Belvidere, N. J. Piano hammer forming machine. 1,879,464; Sept. 27.
Pfueller, Bruno E., assignor of one-half to E. Louis Kotzenn, Reading, Pa. Full fashioned knitting machine. 1,857,102; May 3.
Pfund, August H., Baltimore, Md. Paint testing instrument. 1,875,133; Aug. 30.
Pfund, August H., Baltimore, Md. Hardness testing apparatus and method. 1,875,134; Aug. 30.
Phair, Robert A., Allenhill, Iowa. Cap stretching and re-shaping implement. 1,875,178; Aug. 30.
Pharis Tire & Rubber Company, The. (See Reichard, Harold D., assignor.)
Phelan, Louis A. M. (See Taylor, Charles, assignor.)
Phelan, Louis A. M., Chicago, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. Re18,361; Feb. 23.
Phelan, Louis A. M., Beloit, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric switch. 1,847,034; Feb. 23.
Phelan, Louis A. M., Beloit, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric switch. 1,847,037; Feb. 23.
Phelan, Louis A. M., Beloit, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Magnetically operated valve. 1,883,240; Oct. 18.
Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Connecting means for electrical switches. 1,847,036; Feb. 23.
Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Actuator for controlling devices. 1,852,337; Apr. 5.
Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric flasher. 1,859,934; May 24.
Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical switch. 1,883,241; Oct. 18.
Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical switch. 1,883,244; Oct. 18.
Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical apparatus. 1,847,033; Feb. 23.
Phelan, Merton D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,882,031; Oct. 11.
Phelan, William E., Kansas City, Kans. Aerofoil section. 1,875,651; Sept. 6.
Phelps, Albert W., Los Angeles, Calif. Box-maker's batchet or hammer. 1,840,525; Jan. 12.
Phelps, Albert W., Los Angeles, Calif. Sizing apparatus. 1,878,315; Sept. 20.
Phelps, Alva W. (See Holmes, J. Q., and Phelps.)
Phelps, Alva W. (See Shippy, L. C., and Phelps.)
Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Tool for manufacturing armatures. 1,840,759; Jan. 12.
Phelps, Alva W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Manufacture of brush rigging. 1,856,723; May 3.
Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for making apertured pieces from strips of material. 1,856,724; May 3.
Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Stopping device for automatic lathes and the like. 1,869,114; July 26.
Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for contracting a ring about a body. 1,871,915; Aug. 16.
Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Grinding apparatus. 1,881,966; Oct. 11.
Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Press. 1,884,198; Oct. 25.
Phelps, Alva W., and J. Q. Holmes, assignors to Delco-Remy Corporation, Anderson, Ind. Apparatus for removing surplus insulation from armature cores. 1,853,078; Apr. 12.

Phelps, Alva W., and N. L. Penn, assignors to Delco-Remy Corporation, Anderson, Ind. Assembling apparatus. 1,863,314; June 14.

Phelps, Alva W., and C. J. Keller, assignors to Delco-Remy Corporation, Anderson, Ind. Assembling apparatus. 1,873,150; Aug. 23.

Phelps, Anne F. (See Strand, A., and Hawley, assignors.)

Phelps, Arthur F., assignor to West Virginia Armature Co., Bluefield, W. Va. Locomotive journal box. 1,859,160; May 17.

Phelps, Arthur F., assignor to West Virginia Armature Co., Bluefield, W. Va. Locomotive journal box. 1,859,161; May 17.

Phelps, Arthur F., assignor to West Virginia Armature Co., Bluefield, W. Va. Locomotive journal box. 1,859,162; May 17.

Phelps, Arthur F., assignor to West Virginia Armature Co., Bluefield, W. Va. Locomotive journal box. 1,890,825; Dec. 13.

Phelps, Barton P., Topeka, Kans. Method and apparatus for utilizing heat from blown off boiler products. 1,857,865; May 10.

Phelps, Barton P., Topeka, Kans. Boiler washing blow-off connection. 1,869,389; Aug. 2.

Phelps, Clyde H. (See Howe, Frank W., assignor.)

Phelps, Clyde H., Mount Vernon, N. Y., assignor to Riess Manufacturing Company, Kokomo, Ind. Device for testing wheel alignments. 1,877,045; Sept. 13.

Phelps, Clyde H., Mount Vernon, N. Y., assignor to Riess Manufacturing Company, Kokomo, Ind. Caster gauge target. 1,891,573; Dec. 20.

Phelps, Clyde H., Binghamton, N. Y., assignor, by mesne assignments, to The Remy Manufacturing Company, Kokomo, Ind. Tool for measuring camber of wheels aud caster and king-pin tilt. 1,889,490; Nov. 29.

Phelps Dodge Corporation. (See Legrand, Charles, assignor.)

Phelps, Donald J., assignor to Phelps Radio Corporation, Chicago, Ill. Radio cabinet. Des. 86,923; May 10.

Phelps, Edward Al., assignor to Terre Haute Advertising Company, Terre Haute, Ind. Thermometer. 1,868,911; July 26.

Phelps, Edwin S., Montclair, N. J. Protector-guard for stylus of recording mechanisms. 1,859,163; May 17.

Phelps, Erastus R., Chicago, Ill., assignor to American Lithophanie Company, Inc., New York, N. Y. Advertising device. 1,891,009; Dec. 13.

Phelps, George H., Warehouse Point, Conn. Radiator. 1,841,979; Jan. 19.

Phelps, George H., Warehouse Point, Conn., assignor to Murray Radiator Corporation, Brooklyn, N. Y. Making radiators. 1,845,228; Feb. 23.

Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Corporation. Heat exchanger for refrigerating machines and the like. 1,868,408; Feb. 23.

Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Company. Welding apparatus and method. 1,848,271; Mar. 8.

Phelps, George H., Warehouse Point, Conn., assignor to T. E. Murray, deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. Murray, executors, assignors, by mesne assignments, to Metropolitan Engineering Company. Making welded joints of radiators and other structures. 1,854,029; Apr. 19.

Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Company. Refrigerating machine. 1,859,840; May 24.

Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Company. Welding. 1,867,028; July 12.

Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Company. Radiator and making the same. 1,872,044; Aug. 16.

Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,880,274; Oct. 4.

Phelps, George H., Warehouse Point, Conn., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Heat interchanger. 1,886,498; Nov. 8.

Phelps, George H., Warehouse Point, Conn., and I. T. Bennett, assignors to Murray Management Corporation, Brooklyn, N. Y. Radiator. 1,841,380; Jan. 19.

Phelps, Henry E., Tuckahoe, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,868,585; July 26.

Phelps, Joseph, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,884,199; Oct. 25.

Phelps Radio Corporation. (See Phelps, Donald J., assignor.)

Phenice, William V., assignor to Midwest-Fulton Machine Company, Dayton, Ohio. Beater roll. 1,862,495; June 7.

Phenix, Leroy C., Los Angeles, Calif. Demountable chair. 1,848,656; Mar. 8.

Phetepiace, Walter D., assignor to The Pfandler Co., Rochester, N. Y. Thin metal tank and making the same. 1,859,632; May 24.

Philad Company, The. (See Decker, George, assignor.)

Philad Company, The. (See Mayer, Josef, assignor.)

Philadelphia Drying Machinery Company. (See Allsop, Thomas, assignor.)

Philadelphia Drying Machinery Company, The. (See Dennis, John W., assignor.)

Philadelphia Drying Machinery Company, The. (See Reumann, C. H., and Wiggleswortb, assignors.)

Philadelphia Drying Machinery Company, The. (See Sloan, W. V., and Wiggleswortb, assignors.)

Philadelphia Ice Cream Cone Machinery Company. (See Berzon, Louis, assignor.)

Philadelphia Ice Cream Cone Machinery Company. (See Brezin, Joseph, assignor.)

Philadelphia Lawn Mower Company Inc. (See Hessenbruch, Herman M., assignor.)

Philadelphia Metal Drying Form Company. (See Guggenheim, Paul, assignor.)

Philadelphia & Reading Coal & Iron Company, The. (See Maloney, Andrew J., assignor.)

Philadelphia & Reading Coal and Iron Company, The. (See Richards, Laurence H., assignor.)

Philadelphia Rubber Works Company, The. (See Winkelmann, Herbert A., assignor.)

Philadelphia Storage Battery Company. (See Combs, Edward L., assignor.)

Philadelphia Storage Battery Company. (See Grimditch, W. H., and Earnshaw, assignors.)

Philadelphia Storage Battery Company. (See Holland, Walter E., assignor.)

Philadelphia Storage Battery Company. (See Hyatt, Clinton R., assignor.)

Philadelphia Storage Battery Company. (See McKellip, Spencer W., assignor.)

Philadelphia Storage Battery Company. (See Timmons, John S., assignor.)

Philip Carey Manufacturing Company, The. (See Fischer, Albert C., assignor.)

Philip, Franz, Bronx, N. Y. Automatic device for operating machine stoppers. 1,850,084; Mar. 22.

Philipp, Herbert, assignor to Solvay Process Company, Syracuse, N. Y. Chlorinating liquids. 1,884,200; Oct. 25.

Philippe, Louis, New York, N. Y. Dye composition. 1,889,491; Nov. 29.

Philippi, Carl A., New York, N. Y., assignor to International Folding Box Co. Inc., North Bergen, N. J. Display stand or similar article. Des. 87,170; June 14.

Philippi, Carl A., New York, N. Y., assignor to International Folding Box Co. Inc., North Bergen, N. J. Display stand or similar article. Des. 87,171; June 14.

Philips and Davies, Inc. (See Philips, Erwin B. assignor.)

Philips and Davis, Inc. (See Philips, Erwin B., assignor.)

Philips, Erwin B., assignor to Philips and Davis, Inc., Kenton, Ohio. Sluice gate. 1,862,389; June 7.

Philips, Erwin B., assignor to Philips and Davies, Inc., Kenton, Ohio. Sluice gate. 1,866,817; July 12.

Philips' Gloeilampenfabrieken, N. V. (See Dijksterhuis, Popko R., assignor.)

Philips, Harlow D., assignor to Eastman Kodak Company, Rochester, N. Y. Presetting dial for photographic printing machines. 1,861,937; June 7.

Philips, Harold F., Belmont, Mass. Piston and skirt expanding ring therefor. 1,869,166; July 26.

Philips, Herman B., New York, N. Y. Automobile transmission. 1,864,613; June 28.

Philips, Martin. (See Bentz, Henry K., assignor.)

Philips, N. V., Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)

Philips', N. V., Gloeilampenfabrieken. (See Oosterhuis, E., and Mulder, assignors.)

Philips', N. V., Gloellampenfabrieken. (See Sweegers, Theodorus A. J., assignor.)

Philips', N. V. Gloeilampenfabrieken. (See Voorhoeve, Nicolaas A. J., assignor.)

Philipsen, Michael, Vedbaek, Denmark. Medical thermometer. 1,858,718; May 17.

Philipson, Annie G. (See Watson, P. R., and Philipson.)

Phillippe, Elmer W., assignor to The Royal Vault Manufacturing Company, Ottumwa, Iowa. Burial vault latch. 1,884,201; Oct. 25.

Phillippi, Dale M., assignor to The Kay & Ess Co., Dayton, Ohio. Enamel imitation leather finish. 1,878,316; Sept. 20.

Phillips, Arthur B., Lynbrook, N. Y. Tessellate puzzle. 1,869,864; Aug. 2.

Phillips, Bernard, New York, N. Y. Clothes washing device. 1,864,467; June 21.

Phillips, Clayton L., Hamden, and H. E. Sprague, assignors to Sargent Company, New Haven, Conn. Hold open and closing mechanism for double doors. 1,867,589; July 19.

Phillips, David, Daytona Beach, Fla. Astronomical device. 1,848,974; Mar. 8.

Phillips, David J. P., London, England, assignor of one-half to James B. Crockett, Cambridge, Mass. Production of rubber sheets. 1,876,432; Sept. 6.

Phillips, Edmund M., Lynn, Mass., assignor to General Electric Company. Spring retainer for shaft packings and the like. 1,855,890; Apr. 26.

Phillips, Edward A., assignor to The India Rubber Gutta Percha and Telegraph Company Limited, London, England. Manufacture of hollow articles of rubber. 1,857,972; May 10.

Phillips, Everett, Leesburg, Va. Invalid bed. 1,856,785; May 3.
Phillips, Frank F., Ironton, Ohio. Automobile door lock and post. 1,869,274; July 26.
Phillips, George S., Kaitoke, and M. J. Jackson, Greytown, New Zealand. Docking device. 1,849,687; Mar. 15.
Phillips, Harold F., Belmont, Mass. Piston and skirt expanding ring therefor. Re18,653; Nov. 15.
Phillips, Harry, Greenwich, Conn. Leveling cushion for radio cabinets. Re18,647; Nov. 8.
Phillips, Harry A., Evanston, Ill. Refrigeration apparatus. 1,884,202; Oct. 25.
Phillips, Howard A., assignor to Ottumwa Box Car Loader Co., Ottumwa, Iowa. Portable box car loader. 1,855,227; Apr. 26.
Phillips, James H. (See White, William C., assignor.)
Phillips, John B. (See Eldredge, F. R., Newman, and Phillips.)
Phillips, John E., Chicago, Ill., assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 87,480; Aug. 2.
Phillips, John E., Chicago, Ill., assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 87,481; Aug. 2.
Phillips, John E., and A. G. Thackeray, Worcester, England. Mold for casting printers' furniture. 1,859,110; May 17.
Phillips, John H., Jackson, Mich. Flexible conduit structure. 1,870,021; Aug. 2.
Phillips, John W., Bridgeport, Conn. Necktie holder. 1,844,927; Feb. 9.
Phillips, Leland A., Rochester, N. Y. Humidor. 1,880,275; Oct. 4.
Phillips, Lonnie F., Township 51, Clay County, Mo. Truck tank mounting. 1,856,399; May 3.
Phillips, Louis A., Dayton, Ohio, assignor to The Cooling Tower Co., Inc., New York, N. Y. Sprinkler distributor. 1,877,046; Sept. 13.
Phillips, Marguerite P., Lansing, Mich. Sanitary toilet seat protector. 1,863,499; June 14.
Phillips, Matthew J., et al. (See Edwards, James H., assignor.)
Phillips, Milton E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Junction box for underfloor systems. 1,839,258; Jan. 5.
Phillips Mine & Mill Supply Company. (See Osbourne, Richard B., assignor.)
Phillips, Nary H., assignor to J. H. Wise, St. Louis, Mo. Gun port. 1,890,232; Dec. 6.
Phillips, Oron N., Reynolds, Ill. Fuel supply system. 1,849,590; Mar. 15.
Phillips Peoli Co., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Wiring terminal construction. 1,857,398; May 10.
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Phillips Petroleum Company. (See Frey, F. E., and Guyer, assignors.)
Phillips Petroleum Company. (See Frey, F. E., and Oberfell, assignors.)
Phillips Petroleum Company. (See Gregory, Lon S., assignor.)
Phillips Petroleum Company. (See Guyer, J. A., and Frey, assignors.)
Phillips Petroleum Company. (See Hoover, Charles W., assignor.)
Phillips Petroleum Company. (See Hubbell, Alfred W., assignor.)
Phillips Petroleum Company. (See Oberfell, G. G., and Frey, assignors.)
Phillips Petroleum Company. (See Oberfell, G. G., and Guyer, assignors.)
Phillips Petroleum Company. (See Oberfell, G. G., Guyer, and Frey, assignors.)
Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)
Phillips Petroleum Company. (See Thomas, R. W., and Oberfell, assignors.)
Phillips, Rae W. (See Keeler, R. B., and Phillips.)
Phillips, Ralph A., Torrance, Calif. Fish unscrewing tool. 1,885,623; Nov. 1.
Phillips, Ray, Detroit, Mich. Phonographic street announcer of vehicles. 1,845,763; Feb. 16.
Phillips, Reginald E. (See Hall, E. S., Blue, and Phillips.)
Phillips, Reginald J. S. (See Johnstone, R. G., and Phillips.)
Phillips, Robert S., assignor to American Hair & Felt Company, Chicago, Ill. Apparatus for engraving plates and other objects. 1,857,285; May 10.
Phillips, Ross M. G., West Haven, assignor to M. P. Nichols, trustee, New Haven, Conn. Automatic circuit-breaking apparatus. 1,890,233; Dec. 6.
Phillips, Walter E., Cleveland Heights, Ohio, assignor to Cleveland Metal Hose Company, Roseville, N. J. Tool. 1,889,152; Nov. 29.
Phillips, Walter S., La Grange, Ga. Continuous coating ice box. 1,854,425; Apr. 19.
Phillips, William F. (See Collins, James F., assignor.)
Phillips, William M., Birmingham, and G. M. Cole, assignors to General Motors Corporation, Detroit, Mich. Coating surfaces of iron or steel. 1,856,261; May 3.
Phillips, William R., sr., Atlanta, Ga. Wrench. 1,875,490; Sept. 6.
Philpott, John E. (See Logan, M. C., and Philpott.)
Philpott, La Verne R. (See Elsey, H. M., and Philpott.)
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Check writing machine. 1,843,732; Feb. 2.
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Company, Orange, N. J. Paper feeding device. 1,879,465; Sept. 27.
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Printing press. 1,886,730; Nov. 8.
Phinney, Edward D., Mount Vernon, assignor of one-half to Paul Kolisch, New York, N. Y. Translating sound. 1,865,705; July 5.
Phinney, Elisha A., South Attleboro, Mass., assignor to Geo. H. Fuller & Son Company, Pawtucket, R. I. Brooch or clasp. 1,852,188; Apr. 5.
Phipps, John T., Huntington Park, assignor, by mesne assignments, to Globe Oil Tools Company, Los Angeles, Calif. Roller bit. 1,867,628; July 19.
Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Manufacturing Company, Cincinnati, Ohio. Fire extinguisher. 1,851,056; Mar. 29.
Phister, Albert B. and B. H., Fort Thomas, Ky., assignors to The Phister Manufacturing Company, Cincinnati, Ohio. Fire extinguishing apparatus. 1,878,537; Sept. 20.
Phister, Benjamin H. (See Phister, Albert B. and B. H.)
Phister Manufacturing Company, The. (See Phister, Albert B., assignor.)
Phister Manufacturing Company, The. (See Phister, Albert B. and B. H., assignors.)
Phoenix, Ernest T., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Embossed pile fabric. 1,849,550; Mar. 15.
Phoenix Glass Company, The. (See McCreary, Thomas W., assignor.)
Phoenix Glass Company, The. (See Stewart, Andrew H., assignor.)
Phoenix-Hermetic Company. (See Crabbe, Lindsay T., assignor.)
Phoenix Hosiery Company. (See Byrd, Arthur E., assignor.)
Phoenix Metal Cap Co. (See Crabbe, Lindsay T., assignor.)
Phonodisc Corporation. (See Ebeling, Charles W., assignor.)
Phonograph Company, The. (See Seabolt, Frank J., assignor.)
Photogrammetrie G. m. b. H. (See Aschenbrenner, Claus, assignor.)
Photoline Limited. (See Dutton, Arthur, assignor.)
Photomaton, Inc. (See Boynton, Earl S., assignor.)
Photomaton, Ind. (See Daniels, M. H., and Slack, assignors.)
Photomovette, Inc. (See Semel, Samuel I., assignor.)
Photostat Corporation. (See Caps, Arthur W., assignor.)
Photostat Corporation. (See Greene, John S., assignor.)
Photostat Corporation. (See Greene, John S., assignor.)
Physioc, Lewis Y. (See Whitson, D. A., Physioc, and Brush.)
Pignert, Umberto, San Francisco, Calif. Permutation lock. 1,857,399; May 10.
Piatt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Fuel control for heaters. 1,852,261; Apr. 5.
Piatt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Emergency float control for oil heaters. 1,855,557; May 17.
Piatt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Emergency control for oil burners. 1,857,514; Nov. 15.
Piazza, Louis C., Western Springs, assignor to Soundex Corporation, Chicago, Ill. Method of and means for making slabs. 1,877,011; Sept. 13.
Piazze, Thomas E., Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Phonograph. 1,881,967; Oct. 11.
Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 86,408; Mar. 1.
Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 86,470; Mar. 8.
Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 86,540; Mar. 15.
Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Tumbler or similar article. Des. 86,106; Oct. 25.
Picard, Charles, Joinville Le Point, assignor to l'Air Liquide, Societe Anonyme pour l'Etude l'Exploitation des Procedes Georges Claude, Paris, France. Apparatus for conserving and vaporizing liquefied gases. 1,878,317; Sept. 20.
Picard, Georges. (See McConkey, T. C., and Picard.)
Picard, Hugh F. K. (See Sulman, H. L., and Picard.)
Picard, Jacques, and A. Tournadre, Paris, France. Thermostat apparatus. 1,846,752; Feb. 23.
Picard, Stanislas, assignor to B. B. & R. Knight Corporation, Providence, R. I. Indicating attachment for sewing machines. 1,864,370; June 21.
Picco, Alfredo, Turin, Italy. Spring cushion inclosing shock absorbing means. 1,844,043; Feb. 9.

Picco, John, New York, N. Y. Aeroplane. 1,861,977; June 7.

Pick-Barth, Albert, Company. (See Johannes, Hubert G., assignor.)

Pick-Barth, Albert, Company. (See Sehlbach, Albert E., assignor.)

Pick, Ernö, Budapest, Hungary, assignor to Picklin Baustoff G. m. b. H., Berlin, Germany. Production of wall protective means. 1,857,466; Nov. 8.

Pickard, Frank C., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 1,892,361; Dec. 27.

Pickard, Fred, assignor to Joseph Pickard's Sons Co., Philadelphia, Pa. Making pile wires. 1,885,137; Nov. 1.

Pickard, Greenleaf W., Newton Center, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,841,628; Jan. 19.

Pickard, Greenleaf W., Newton Center, Mass., assignor, by mesne assignments, to General Electric Company. Universally adjustable radio apparatus for aircraft. 1,858,568; Nov. 29.

Pickard, Greenleaf W., Newton Center, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser and making the same. 1,892,362; Dec. 27.

Pickard, Harold, H., and N., Blackpool, England. Amusement device. 1,883,837; Oct. 18.

Pickard, Harry. (See Pickard, Harold, H., and N.)

Picard, John B., Toledo, Ohio. Power pump. 1,890,826; Dec. 13.

Pickard, Joseph A. (See Garland, C. S., Beachem, and Pickard.)

Pickard, Joseph A., Acton, F. Rogers, and W. Mitchell, London, assignors to Metaflters (1929) Limited, Hounslow, England. Filter or strainer. 1,849,042; Mar. 8.

Pickard, Norman. (See Pickard, Harold H. and N.)

Pickard's Sons, Joseph Co. (See Pickard, Fred, assignor.)

Pickel, Fred, and W. von Poelgeest, North Bergen, N. J. Window sash construction. 1,842,629; Jan. 26.

Pickel, Fred, and W. von Poelgeest, North Bergen, N. J. Window sash construction. 1,847,895; Mar. 1.

Picken, William J. (See Round, H. J., and Picken.)

Pickens, Joseph C. (See Simmons, Orvall G., assignor.)

Pickens, Russell A., Fair Lawn, N. J., assignor to Servel Inc., New York, N. Y. Cabinet. Des. 87,539; Aug. 9.

Pickens, Russell A., Fair Lawn, N. J., assignor to Servel Inc., New York, N. Y. Combination drinking water and room cooler. 1,848,195; Mar. 8.

Picker, Charles, Albany, N. Y. Cigarette case. 1,851,057; Mar. 29.

Picker, Sidney I., New York, N. Y. Tray. Des. 87,540; Aug. 9.

Picker, Sidney I., New York, N. Y. Tray. Des. 87,541; Aug. 9.

Pickering, James W., Rutherford, N. J. Deck of playing cards. Des. 87,295; May 31.

Pickering, Percy, Birmingham, England. Device for cutting sheets of tough or hard material. 1,890,234; Dec. 6.

Pickett, Benjamin F. (See Wilson, J. D., and Pickett.)

Pickett, Edwin, assignor to Blodgett Nut Company, Fayetteville, Ark. Nut-cracking machine. 1,848,495; Mar. 8.

Pickett, Glen V. (See Rentz, Frank B., assignor.)

Pickett, John H. (See Martlin, Robert F., assignor.)

Pickett, Ocren G., Whittier, and G. E. Marlatt, Pasadena, Calif. Typographical assembling machine. 1,840,408; Jan. 12.

Pickford, James, Oldham, England. Guard for carding engines. 1,879,764; Sept. 27.

Pickhard, George H., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Method of and machine for making spiral tubing. 1,884,203; Oct. 25.

Pickin, Rowland O., Los Angeles, Calif. Pipe cutting tool. 1,889,321; Nov. 29.

Pickup, George B., New Haven, Conn. Lock nut. 1,891,358; Dec. 20.

Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cook stove. Des. 87,884; Oct. 4.

Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cook stove. Des. 87,885; Oct. 4.

Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Electric heating unit. 1,844,673; Feb. 9.

Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid fuel stove. 1,855,771; Apr. 26.

Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cook stove. 1,862,767; June 14.

Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cook stove. 1,868,991; July 26.

Picollo, Mario, Turin, Italy. Security device against robbery of safes. 1,860,785; May 31.

Pictola Camera Co. Ltd. (See Seeling, Charles R., assignor.)

Picton, Norman, Stevenston, Scotland, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making nitrocellulose. 1,872,181; Aug. 16.

Pidcock Kevin J. (See West, F. B., Pidcock, and Donkin.)

Pidgeon, Harry W., Chicago, Ill. Jew's harp. 1,857,400; May 10.

Piehler, Karl, Leipzig, Germany. Concrete mixing machine. 1,842,879; Jan. 26.

Piekenbrock, Anthony E., assignor to E. B. Piekenbrock & Sons Company, Dubuque, Iowa. Shoe. 1,845,934; Feb. 16.

Piekenbrock, E. B., & Sons Company. (See Piekenbrock, Anthony E., assignor.)

Piney, Joseph J. (See Coffey, J. M., France, and Pieney.)

Pielhau, Wilhelm, Kraghammer, Germany. Track winch. 1,880,473; Oct. 4.

Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nurnberg, A. G., Augsburg, Germany. Fuel valve. 1,871,940; Aug. 9.

Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Internal combustion engine. 1,887,661; Nov. 15.

Pielstick, Gustav, assignor to Maschinenfabrik Augsburg Nürnberg A. G., Augsburg, Germany. Piston cooling for combustion power engines. 1,889,492; Nov. 29.

Pieper, Alphonse F., et al. (See Meitzler, Charles R., assignor.)

Pieper, Alphonse F. (See Pieper, Oscar H., and A. F.)

Pieper, Alphonse F., Rochester, N. Y. Dental unit. Re18,460; May 10.

Pieper, Alphonse F., Rochester, N. Y. Lamp body. Des. 85,439; Nov. 29.

Pieper, Alphonse F., Rochester, N. Y. Dental apparatus. 1,858,056; May 10.

Pieper, Alphonse F., Rochester, N. Y. Light bracket. 1,864,756; June 28.

Pieper, Ernest J. (See Smith, D. F., Pieper and Vogt.)

Pieper, Ernest J., assignor to Armstrong Cork Company, Lancaster, Pa. Resinous condensation products and making. 1,845,330; Feb. 16.

Pieper, Ernest J., assignor to Armstrong Cork Company, Lancaster, Pa. Resinous product and making. 1,847,783; Mar. 1.

Pieper, Henri, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Societe Anonyme, Liege, Belgium. Control device for vehicle doors. 1,868,468; June 21.

Pieper, Oscar H., et al. (See Meitzler, Charles R., assignor.)

Pieper, Oscar H., Rochester, N. Y. Heated dental instrument. 1,850,851; Mar. 22.

Pieper, Oscar H., Rochester, N. Y. Dental spray. 1,857,566; May 10.

Pieper, Oscar H., and A. F., Rochester, N. Y. Unitary dental apparatus. 1,840,636; Jan. 12.

Pipkorn, Arthur, Brooklyn, N. Y. Transmission of power. 1,849,695; Feb. 2.

Piepmeyer & Co., Kommanditgesellschaft. (See Stammreich, Hans, assignor.)

Pier, Mathias. (See Krauch, C., and Pier.)

Pier, Mathias. (See Krauch, C., Pier, and Hochschwender.)

Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Catalytic gas reactions. 1,845,058; Feb. 16.

Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Production of viscous oils and hydrocarbon products of low boiling point. 1,863,670; June 21.

Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Production of valuable hydrocarbons from carbonaceous materials, tars, mineral oils, and the like. 1,890,437; Dec. 6.

Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Conversion of carbonaceous materials into fuels of relatively low boiling point range. 1,890,438; Dec. 6.

Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous materials. 1,890,439; Dec. 6.

Pier, Mathias, Heidelberg, R. Wietzel, and K. Winkler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing oxykenated organic compounds. 1,841,910; Jan. 19.

Pier, Mathias, Heidelberg, and W. Simon, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Liquid and other hydrocarbons and derivatives thereof by the destructive hydrogenation of carbonaceous materials. 1,845,439; Feb. 16.

Pier, Mathias, Heidelberg, and W. Simon, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Liquid and other hydrocarbons and derivatives thereof by the destructive hydrogenation of carbonaceous materials. 1,845,555; Feb. 16.

Pier, Mathias, Heidelberg, W. Pungs, and R. Wietzel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of liquid hydrocarbons. 1,851,726; Mar. 29.

Pier, Mathias, Heidelberg, and K. Winkler and K. Wissel, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous materials. 1,859,314; May 24.

Pier, Mathias, Heidelberg, and M. Müller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing motor fuels by destructive hydrogenation of carbonaceous material. 1,863,669; June 21.

Pier, Mathias, Heidelberg, and K. Wissel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of nonknocking motor fuels. 1,864,496; June 21.

Pier, Mathias, Heidelberg, and M. Müller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing motor fuel by destructive hydrogenation of carbonaceous materials. 1,864,855; June 28.

Pier, Mathias, Heidelberg, E. Hochschwender, Ludwigshafen-on-the-Rhine, and K. Wenzel, Mannheim, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Separation from solid residues, of oils obtained in the destructive hydrogenation of carbonaceous materials. 1,864,856; June 28.

Pier, Mathias, Heidelberg, and K. Wissel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dehydrating moist fuel. 1,881,968; Oct. 11.

Pier, Mathias, Heidelberg, and K. Wissel, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Recovery of refined products from distillable carbonaceous materials. 1,881,969; Oct. 11.

Pierce, Amy S., Los Angeles, Calif. Inflation indicator for tires. 1,870,742; Aug. 9.

Pierce-Arrow Motor Car Company, The. (See Chanter, Arthur J., assignor.)

Pierce-Arrow Motor Car Company, The. (See Hughes, James B., assignor.)

Pierce, Burt N. (See Thompson, V. W., and Pierce.)

Pierce, Burt N., assignor to Emerol Manufacturing Co., New York, N. Y. Spark feed timing device for internal combustion engines. Des. 86,471; Mar. 8.

Pierce, Conway. (See Patterson, W. S., and Pierce.)

Pierce Development Company. (See Hoffman, Benjamin P., and A. M., assignors.)

Pierce, Earl W., Newcastle, Ind., assignor to Chrysler Corporation, Detroit, Mich. Tempering device. 1,852,625; Apr. 5.

Pierce, Edward E., Exeter, R. I. Attaching together a windshield cleaner arm and blade. 1,874,118; Aug. 30.

Pierce, Fred E., Niagara Falls, N. Y. Cooking utensil. 1,863,413; June 14.

Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe sole. 1,872,604; Aug. 16.

Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe sole. 1,873,904; Aug. 23.

Pierce, George L., and K. Karlson, Brooklyn, assignors to A. G. Spalding & Bros., New York, N. Y. Sport shoe and cleat structure. 1,851,053; Mar. 29.

Pierce, George W., et al. (See Tumulty, C. L. and F. H.)

Pierce, George W., Cambridge, Mass. Motor-generator set. 1,843,290; Feb. 2.

Pierce, George W., Cambridge, Mass. Magnetostrictive vibrator. 1,882,393; Oct. 11.

Pierce, George W., Cambridge, Mass. Magnetostrictive vibrator. 1,882,394; Oct. 11.

Pierce, George W., Cambridge, Mass. Frequency indicator. 1,882,395; Oct. 11.

Pierce, George W., Cambridge, Mass. Magnetostrictive transformer. 1,882,396; Oct. 11.

Pierce, George W., Cambridge, Mass. Magnetostrictive vibrator. 1,882,397; Oct. 11.

Pierce, George W., Cambridge, Mass. Magnetostrictive vibrator. 1,882,398; Oct. 11.

Pierce, George W., Cambridge, Mass. Magnetostrictive vibrator. 1,882,399; Oct. 11.

Pierce, George W., Cambridge, Mass. Loud speaker. 1,882,401; Oct. 11.

Pierce, George W., Cambridge, Mass. Acoustic electric energy converter. 1,859,153; Nov. 29.

Pierce, George W., Cambridge, Mass., and S. A. Bucking-ham, Chevy Chase, Md. Vibratory device. 1,882,400; Oct. 11.

Pierce, Glen O., Detroit, Mich. Piano instruction device. 1,889,418; Nov. 29.

Pierce, Glen S., and E. S. Chittum, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Device for utilizing waste heat. 1,863,352; June 14.

Pierce, Harold S., and R. T. Sweeney, Indianapolis, Ind., assignors to Safety Building Company, Chicago, Ill. Blasting cartridge. 1,857,792; May 10.

Pierce, Harry, Brooklyn, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Power operating and guarding machine. 1,855,075; Apr. 12.

Pierce, Harry C., Rutherford, N. J., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,858,841; May 17.

Pierce, James B., jr., assignor to Barium Reduction Corporation, Charleston, W. Va. Dehydrating glauber salt. 1,886,580; Nov. 8.

Pierce, James B., jr. and R. L. Curnes, assignors to Barium Reduction Corporation, Charleston, W. Va. Preventing scum and efflorescence on brick and clay ware. 1,878,887; Sept. 20.

Pierce, John, Southbury, Conn. Tag. 1,841,911; Jan. 19.

Pierce, Lee D. (See Wright, W. L., and Pierce.)

Pierce, Leroy R., Keystone, Okla. Wire line shock absorber. 1,882,161; Oct. 11.

Pierce, Lonnie J., and F. L. Bishop, assignors to American Window Glass Company, Pittsburgh, Pa. Glass drawing apparatus. 1,864,930; June 28.

Pierce, Louis H., Cleveland, Ohio. Lunch stand. Des. 85,956; Jan. 5.

Pierce, Loyd S. (See Jones, W. C., and Pimm, assignors.)

Pierce, Maurice C., Madison, Wis. Automatic collapsing wheel elevating device. 1,871,129; Aug. 9.

Pierce, Maurice R., Lakehurst, N. J. Photogoniometer. 1,839,893; Jan. 5.

Pierce, Maurice R., Lakehurst, N. J. Apparatus for solving problems in astronomic navigation and spherical trigonometry. 1,841,912; Jan. 19.

Pierce, Maurice R., Lakehurst, N. J. Altitude reading recorder. 1,842,837; Jan. 26.

Pierce, Oscar C., Oakland, Calif. Illusory display device. Des. 86,805; Apr. 19.

Pierce, Ralph E., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Signal monitoring device. 1,871,916; Aug. 16.

Pierce, Raymond C., Chicago, Ill., assignor to General American Tank Car Corporation. Outlet valve. 1,863,252; June 14.

Pierce, Raymond C., assignor to General American Tank Car Corporation, Chicago, Ill. Refrigerator car ice bunker. 1,885,624; Nov. 1.

Pierce, Raymond T., Millburn, N. J., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,870,865; Aug. 9.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Article made of wire and making the same. 1,879,466; Sept. 27.

Pierce, Robert H. H. (See Youngman, R. H., and Pierce.)

Pierce, Robert M. (See Hunter, C. R., and Pierce.)

Pierce, Roy E. (See Hayman, W. C., and Pierce.)

Pierce, Silas A., Swansea, assignor to Draper Corporation, Hopedale, Mass. Shedding mechanism for looms. 1,857,774; May 10.

Pierce Steel Pile Corporation. (See Nadel, Louis, assignor.)

Pierce, Stephen C., jr. (See Larmour, H. M., and Pierce.)

Pierce, William T., Reading, Pa. Locking mechanism for doors. 1,840,819; Jan. 12.

Pierey, Carl A. (See Hayman, W. C., and Piercy.)

Pieretti, George, assignor to Delray Corporation, San Francisco, Calif. Ravoli former and cutter. 1,843,626; Feb. 2.

Pieroh, Kurt. (See Mueller-Cunradi, M., and Pierob.)

Pierose, Nicholas P., Los Angeles, Calif. Roof construction. 1,870,963; Aug. 9.

Pierotti, Angelo, jr., Western Australia, Australia. Internal combustion engine. 1,870,139; Aug. 2.

Pierre, Claude D., Dallas, Tex. Dough kneader. 1,845,329; Feb. 16.

Pierrès, René E. M., Paris, France. Building structure. 1,879,467; Sept. 27.

Pierron, Jacques, Vaux-sur-Seine, France. Projector. 1,889,696; Nov. 29.

Piersall, Charles E., Midwest, assignor of one-half to C. J. Carter, Natrona County, Wyo. Automobile brake. 1,855,067; Apr. 19.

Piersall, Napoleon B., Newark, N. J. Attachment for faucets. 1,867,525; July 12.

Piersimoni, Giovanni, Akron, Ohio. Incandescent lamp. 1,848,904; Mar. 8.

Piersimoni, Giovanni, Akron, Ohio. Incandescant lamp. 1,863,500; June 14.

Piersol, Robert J., assignor to United States Chromium Corporation, Pittsburgh, Pa. Electroplating. 1,870,743; Aug. 9.

Pierson, Charles A., assignor to The Standard Electric Stove Co., Toledo, Ohio. Electric cook stove. Des. 87,239; June 21.

Pierson, Frank, Chicago, Ill. Massage machine. 1,856,591; May 3.

Pierson, Henry C. (See Johnson, E. M., and Pierson.)

Pierson, Hilding L. (See Helsel, R. H., and Pierson.)

Pierson, Moses E., Charlotte, N. C. Pneumatic means for operating inspecting forms. 1,887,783; Nov. 15.

Pierson, Paul M., Ossining, N. Y. Hybrid tea rose. Pl. Pt. 33; Oct. 11.

Pierson, Torvald N. (See Hale, S. H., Worthington, and Pierson.)

Pierson, Torvald N., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Separate deck cover. 1,844,262; Feb. 9.

Pierson, Torvald N., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Steering truck for harvesters. 1,853,221; Apr. 12.

Pierson, Torvald N., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Grain pan and cutterbar brace. 1,853,776; Apr. 12.

Pierson, Torvald N., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Grain divider extension. 1,882,875; Oct. 18.

Pierson, Wallace R., Cromwell, Conn. Hybrid tea rose. Pl. Pt. 25; Aug. 30.

Pierson, Willett C., East Orange, N. J., assignor to Leagum Corporation of Delaware, New York, N. Y. Thermoplastic molding composition and process of making the same. 1,846,356; Feb. 23.

Pierson, William D., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Wire spooling machine. 1,874,206; Aug. 30.
Pierson, Winfred M., La Grande, Oreg. Storing of airplanes. 1,870,744; Aug. 9.
Pietenpol, William B. and F. C. Walz, Boulder, Colo. Terminal for storage batteries. 1,852,366; Apr. 5.
Pieters, Julien, Paris, France. Liquid seal closure device for vertical distillation retorts. 1,842,281; Jan. 19.
Piette, Olivier, assignor to Union Chimique Belge, Société Anonyme, Brussels, Belgium. Apparatus for dry cooling coke. 1,891,836; Dec. 20.
Piette, Pierre M. A., Paris, France. Apparatus for detecting and measuring vibrations. 1,870,140; Aug. 2.
Pietzsch, Kurt F. (See Jaeger, A. O., and Pietzsch.)
Pietzsch, Richard, Philadelphia, Pa., by mesne assignments, to National Aniline & Chemical Company, Inc., New York, N. Y. Filter. 1,864,757; June 28.
Pietzsch, Richard H., Philadelphia, Pa. Microtome. 1,865,539; July 5.
Pietzsch, Joseph, St. Louis, Mo. Foot measuring device. 1,873,663; Aug. 23.
Pigache, Pierre M. A., Paris, France. Decohering solid substances. 1,854,061; Apr. 12.
Pigeolet, René, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Société Anonyme, Liege, Belgium. Servo-motors. 1,941,629; Jan. 19.
Piggott, Henry A. (See Payman, J. B., and Piggott.)
Pignanelli, Luigi, Tacoma, Wash. Shoe. Re18,461; May 10.
Pignanelli, Luigi, Tacoma, Wash. Shoe. 1,844,017; Feb. 9.
Pigott, Reginald J. S. (See Parker, A. R., MacCormack, and Pigott.)
Piguet, Fréderic, Le Brassus, Switzerland. Timepiece winding mechanism. 1,843,440; Feb. 16.
Piguet, Leon A., Hamburg, and R. L. Hunt, Buffalo, assignors to National Aniline & Chemical Co., Inc., New York, N. Y. Salting out amino-Beckid from an aqueous solution of the same. 1,848,747; Mar. 8.
Pilspanen, Vaino, Helsinki, Finland, assignor to Koehring Company, Milwaukee, Wis. Concrete mixer. 1,863,029; June 14.
Pijakowski, Wladyslaw, Chicago, Ill. Swimming device. 1,879,468; Sept. 27.
Pike, Frederick J., Buffalo, N. Y. Automobile. Des. 86,742; Apr. 12.
Pike, Frederick J., Buffalo, N. Y. Automobile. Des. 87,081; May 17.
Pike, Frederick J., Buffalo, N. Y. Automobile. Des. 88,107; Oct. 25.
Pike, Harry W. (See Gottschall, C. R., and Pike.)
Pike, Robert D., Piedmont, Calif. Manufacture of monopotassium phosphate. 1,878,426; Sept. 20.
Pike, Robert D., Piedmont, assignor to Kalif Corporation, Emeryville, Calif. Apparatus for centrifugal casting of dual metal bushings. 1,870,866; Aug. 9.
Pike, Robert D., Diablo; R. Cummings, Berkeley, and L. V. Steck, Oakland, Calif.; said Cummings and said Steck assignors to said Pike. Manufacture of chloride of potassium and carbonates of sodium and potassium. Re18,393; May 22.
Pike, Robert D., Diablo, B. P. Little, Oakland, and E. W. Carroll, San Francisco, Calif., assignors to Kalif Corporation. Nonoxidizing heating furnace. 1,843,386; Feb. 2.
Pike, Robert D., Diablo, and E. W. Carroll, San Francisco, assignors to Kalif Corporation, Emeryville, Calif. Casting dual metal bearings. 1,870,867; Aug. 9.
Piker, Louis M., Hamilton, assignor to Sidney Piker, St. Bernard, Ohio. Metal container. 1,873,720; Aug. 23.
Piker, Sidney. (See Piker, Louis M., assignor.)
Pikul, Joseph, Troy, N. Y., assignor to The Reece Button Hole Machine Company, Boston, Mass. Stitched buttonhole. 1,887,954; Nov. 15.
Pikulski, Frank E., Jeannette, Pa. Igniting device for cigars and cigarettes. 1,864,470; June 21.
Pilates, Joseph H., New York, N. Y. Chair. 1,874,613; Aug. 30.
Pilates, Joseph H., New York, N. Y. Bed or couch. 1,876,745; Sept. 13.
Pilatsky, Israel, Brooklyn, assignor to Eddy-Form Brassiere Co., Inc., New York, N. Y. Seam for garments. 1,843,494; Feb. 2.
Pilblad, Sven A., Boston, Mass. Gem setting. 1,885,544; Nov. 1.
Pilcher, Allen C., and L. C. Pilcher, Louisville, Ky., assignors, by direct and mesne assignments, to The Russ Manufacturing Company, Cleveland, Ohio. Sirup pump. 1,874,614; Aug. 30.
Pilcher, Arthur C., Pittsburgh, Pa. Fire hydrant. 1,882,290; Oct. 11.
Pilcher, John A., Roanoke, Va., and W. E. Wine, Toledo, Ohio. Railway car. 1,856,400; May 3.
Pilcher, Lawrence C. (See Pilcher, Allen C. and L. C.)
Pilet, John H., San Francisco, Calif. Propeller. 1,857,327; May 10.
Pilgrim Steam Laundry Company, The. (See Krueger, August F., assignor.)
Pilj, Carl, Los Angeles, Calif. Floor screed support. 1,852,673; Apr. 5.

Pilkington Brothers Limited. (See Gaskell, Joseph, assignor.)
Pilkington Brothers Limited. (See Griffin, James H., assignor.)
Pilkington Brothers Limited. (See Le Mare, Ernest B., assignor.)
Pilkington Brothers Limited. (See Smith, Harry, assignor.)
Pilkington Brothers Limited, et al. (See von Reis, Lambert, assignor.)
Pilkington Brothers Limited. (See Waldron, Frederic B., assignor.)
Pilkington Brothers Limited. (See Waldron, F. B., and Griffin, assignors.)
Pilkington Brothers Limited. (See Williamson, Robert C., assignor.)
Pilkington, Edward, Altoona, Pa. Flowerpot drainer. 1,854,204; Oct. 25.
Pilkington, William, Beckley, W. Va. Surveying instrument. 1,888,011; Nov. 15.
Pillard, Marcel, assignor to L'Helice Metallique, Brevets Paulhan-Pillard, Societe Anonyme, Marseilles, France. Air screw with automatically variable pitch. 1,872,337; Aug. 16.
Pillard, Marcel, assignor to L'Helice Metallique, Brevets Paulhan-Pillard, Societe Anonyme, Marseille, France. Making hollow metallic air screws. 1,890,747; Dec. 13.
Pillen, Joseph B., Cincinnati, Ohio. Automatic tuning device for radioreceivers. 1,877,691; Sept. 13.
Piller, Franz, jr., Munich, Germany. Making multicolor copying screens. 1,848,802; Mar. 8.
Pilling, Frank E., Long Beach, Calif. Carburetor. 1,858,057; May 10.
Pilling, John E., Providence, R. I. Preparing chains for soldering and a composition of matter used in such preparations. 1,881,970; Oct. 11.
Pilling, Norman B., Elizabeth, N. J., assignor to The International Nickel Company, Inc. Nonmagnetic iron-nickel-copper alloy. 1,853,575; Apr. 12.
Pilling, Norman B., Plainfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 1,838,415; May 17.
Pilling, Norman B., Wilkensburg, and R. E. Bedworth, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Producing a temperature-sensitive element. 1,865,206; June 28.
Pilsbury, Edwin S., St. Louis, Mo. Electric motor and operating same. 1,847,441; Mar. 1.
Pilny, Alex, Zurich, Switzerland. Three color film for cinematographic purposes. 1,874,619; Aug. 30.
Pilon, Hector P., assignor to Société Anonyme Etablissements Gaiffe-Gallot & Pilon, Paris, France. Process and device for producing the rupture or the distortion of a liquid stream, and application of the same. 1,843,495; Feb. 2.
Pilot Laboratory, Inc. (See Rollhaus, P. E., and Stoddard, assignors.)
Pilot Radio and Tube Corporation. (See Benjamin, James L., assignor.)
Pilot Radio and Tube Corporation. (See Shapiro, Sam A., assignor.)
Pilson, Sam, Benton, Ill. Mechanical arm. 1,885,138; Nov. 1.
Pimm, Charles C., et al. (See Kingston, T. H., and Norman, assignors.)
Pimm, John C. (See Jones, W. C., and Pimm.)
Pinaud Incorporated. (See Michelin, Marcel M., assignor.)
Pinaud, Inc. (See Quinn, John J., assignor.)
Pinaud, John A., Atlantic Highlands, N. J. Wind motor. 1,876,018; Sept. 6.
Pinaud, John A., Atlantic Highlands, N. J. Propeller. 1,880,104; Sept. 27.
Pinckard, Paul M., Birmingham, Ala. By-product coke oven. 1,888,012; Nov. 15.
Pinckard, William P., South Chicago, assignor of one-half to L. Patterson, G. Adams, and P. A. Gose, Chicago, Ill. Automatic trailer train steering mechanism. 1,857,740; May 10.
Pincus, Walter, et al. (See Bogia, Louis F., assignor.)
Pinder, Thomas F., Merion, Pa. Method and apparatus for preventing offsetting in printing. 1,842,195; Jan. 19.
Pinder, Thomas F., Merion, Pa. Printing process. 1,842,196; Jan. 19.
Pinder, Thomas F., Merion, Pa. Printing. 1,878,318; Sept. 20.
Pinder, Thomas F., Merion, Pa. Apparatus for preventing offsetting in printing machines. 1,878,319; Sept. 20.
Pine, Harry E., assignor to W. J. Cameron, Chicago, Ill. Optical instrument. 1,880,276; Oct. 4.
Pine, William B., Okmulgee, Okla. Process and apparatus for treating argillaceous material. 1,860,475; May 31.
Pine, William B., Okmulgee, Okla. Feeder for argillaceous materials. 1,892,583; Dec. 27.
Pineau, Auguste, assignor to A C Spark Plug Company, Flint, Mich. Tip for flexible drive shafts. 1,864,507; June 21.
Pineo, John H., Brookline, Mass. Fastening device for doors. 1,850,602; Mar. 22.
Pines Winterfront Company. (See Bargar, Frederick C., assignor.)
Pines Winterfront Company. (See Collier, William H., assignor.)

Pines Winterfront Company. (See Crawford, Howard H., assignor.)

Pines Winterfront Company. (See Edwards, James H., assignor.)

Pines Winterfront Company. (See Goldfisher, Fred, assignor.)

Pines Winterfront Company. (See McCaleb, Albert G., assignor.)

Pines Winterfront Company. (See Petersen, Edgar G., assignor.)

Pingen, Henry M., Toledo, Ohio. Assembling the stems and associated parts of incandescent electric lamps, 1,866,904; July 12.

Pingree, Wilson H., Blairstown, Iowa. Oil heater, 1,866,986; June 13.

Pink, Berry, Passaic, N. J., assignor to The Rosenthal Company, New York, N. Y. Compartment bag for marbles or the like, 1,873,640; Aug. 16.

Pink, Clarence E., Cambridge, Md. Connecter for wire fabrics, 1,868,958; July 19.

Pink, Clarence E., Cambridge, Md. Wire fabric, 1,880,474; Oct. 4.

Pink, Clarence E., Cambridge, Md. Reenforcement for conveyer belts, 1,887,425; Nov. 8.

Pink, Edward F., Cambridge, Md. Woven wire belt, 1,845,935; Feb. 16.

Pink, Edward F., Cambridge, Md. Wire fabric, 1,880,475; Oct. 4.

Pink, Leonhard, Berlin, assignor to H. Meffert, Hamburg, Germany. Quinine preparation, 1,865,953; July 5.

Pinkerton, Sherwood M., jr., assignor to The Pinkerton Tobacco Company, Toledo, Ohio. Multiplex bag and forming the same, 1,880,277; Oct. 4.

Pinkerton Tobacco Company, The. (See Pinkerton, Sherwood M., jr., assignor.)

Pinkham, Henry P., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Gas and liquid separating apparatus, 1,844,135; Feb. 9.

Pinkham, Henry P., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Liquid and gas separator for electric switches, 1,844,139; Feb. 9.

Pinkham, Henry P., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Manually operated electric switch and switch mechanism, 1,845,518; Feb. 16.

Pinkosh, Michael, Minneapolis, Minn. Camera with convex lens, 1,879,949; Sept. 27.

Pinney, Harry H., Cleveland, Ohio. Sign, 1,850,180; Mar. 22.

Pinney, Harry H., Cleveland, Ohio. Sign, 1,851,323; Mar. 29.

Pino, Paul T., Baton Rouge, La. Toy, 1,839,700; Jan. 5.

Pinto, Edward H., assignor to Pinto Bostock, Limited, London, England. Attachment for wardrobes and similar articles of furniture, 1,843,627; Feb. 2.

Pioch, Walter, Dresden, Germany. Means for hanging up hats, 1,858,965; May 17.

Pioch, William F., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Applying brake linings, 1,859,991; May 24.

Piombo, Sebastino, San Francisco, Calif. Automobile hood bracket lamp, 1,858,232; May 10.

Pioneer Heat Regulator Company. (See Dicke, Allen A., assignor.)

Pioneer Heat Regulator Corporation. (See Dicke, Oscar H., assignor.)

Pioneer Instrument Company. (See Carbonara, Victor E., assignor.)

Pioneer Instrument Company. (See Colvin, C. H., and Turrington, assignors.)

Pioneer Instrument Company. (See Luckey, George P., assignor.)

Pioneer Instrument Company. (See Urfer, Adolf, assignor.)

Pioneer Manufacturing Company. (See Welbourne, Harry E., assignor.)

Pioneer Suspender Company. (See Cahn, Tillman, assignor.)

Pioneer Suspender Company. (See Duffy, James T., jr., assignor.)

Pioneer Suspender Company. (See Lavenson, Jay, assignor.)

Pioneer Suspender Company. (See Peter, Henry A., assignor.)

Piovarchy, John, Uniontown, Pa. Battery holder for mine lamps, 1,879,469; Sept. 27.

Piper, Almond W., Newport, Me. Valved closure for liquid containers, 1,839,585; Jan. 5.

Piper, Emil. (See Pitcher, Elmer, assignor.)

Piper, Frederick, Portland, Oreg. Toilet bowl, 1,857,328; May 10.

Piper, William E., New Canaan, Conn., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Filter blowback, 1,870,381; Aug. 9.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric control system and motor starter, 1,853,222; Apr. 12.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond, 1,860,786; May 31.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond, 1,860,787; May 31.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrical connecter, 1,865,720; July 5.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond and method of bonding, 1,865,721; July 5.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond, 1,865,722; July 5.

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond, 1,865,723; July 5.

Pipher, Alvin E. (See Pipher, William E. A. and A. E.)

Pipher, William E. A. and A. E., Parkers Landing, Pa. Oil agitator, 1,867,092; July 12.

Pipkin, James A., assignor to No-Drip Company, Dallas, Tex. Drip-catching attachment for bottles, 1,891,892; Dec. 20.

Pippin, Carl W. (See Sill, W. F., and Pippin.)

Pippin, Clyde A., assignor to T. C. Dube, Chicago, Ill. Pipe-swaging tool, 1,846,437; Feb. 23.

Pippin, John W., Corpus Christi, Tex. Pump plunger and standing valve, 1,864,469; June 21.

Pippy, George P., East Orange, N. J., assignor to American Throttle Company Inc., New York, N. Y. Throttle, 1,863,068; June 14.

Piqua Granite and Marble Company, The. (See Hauk, Paul, assignor.)

Piqueres, Achille, New York, N. Y. Motion transmitting mechanism, 1,844,595; Feb. 9.

Piraino, Calogero. (See Piraino, Filippo, assignor.)

Piraino, Filippo, assignor of one-half to C. Piraino, Trenton, N. J. Photographing equipment, 1,853,995; Apr. 12.

Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Electric discharge device, 1,861,643; June 7.

Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Electric discharge lamp, 1,879,470; Sept. 27.

Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Gaseous electric discharge device, 1,879,472; Sept. 27.

Pirani, Marcello, Berlin-Wilmersdorf, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device, 1,844,367; Feb. 9.

Pirani, Marcello, Berlin-Wilmersdorf; K. Becker, Berlin-Steglitz, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device, 1,861,581; June 7.

Pirani, Marcello, Berlin-Wilmersdorf, H. Ewest, Berlin, and A. Rüttenauer, Berlin-Charlottenberg, Germany, assignors to General Electric Company. Gaseous electric discharge device, 1,879,471; Sept. 27.

Pirinoli, Guglielmo, assignor to Fiat Associetà Anonima, Turin, Italy. Throttle and ignition control, 1,849,992; Mar. 15.

Pirinoli, Guglielmo, assignor to Fiat Società Anonima, Turin, Italy. Driving mechanism for the auxiliary apparatus of internal combustion engines, 1,881,292; Oct. 4.

Pirinoli, Guglielmo, assignor to Fiat Società Anonima, Turin, Italy. Reducing gear for co-axial shafts, 1,882,033; Oct. 11.

Pirinoli, Guglielmo, assignor to Fiat Società Anonima, Turin, Italy. Lubricating device for internal combustion engines with inverted cylinders, 1,889,290; Nov. 29.

Pirinoli, Guglielmo, assignor to Fiat Società Anonima, Turin, Italy. Friction clutch, 1,889,291; Nov. 29.

Pirlot, Frédéric, Ixelles, Belgium. Vibrating sifting screen, 1,891,574; Dec. 20.

Pirola, Louis, assignor to The Harrington & King Perforating Company, Chicago, Ill. Grille panel. Des. 86,472; Mar. 8.

Pirola, Louis, assignor to The Harrington & King Perforating Company, Chicago, Ill. Grille panel. Des. 87,542; Aug. 9.

Pisani, Marino, Piombino, Italy. Benzine filter, 1,847,978; Mar. 1.

Pisciotta, Antony, Elmhurst, N. Y. Five-cornered buckwheat coal grate, 1,853,574; Apr. 12.

Piston Ring Company, The. (See Johnson, Charles E., assignor.)

Piston Ring Company, The. (See Malpas, Ellis G., assignor.)

Pistor, Adolph P., Newark, N. J. Pipe-line covering, 1,867,984; July 19.

Pistor, Gustav, Leipzig, R. Suchy, K. Staib, and W. Moschel, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation, Producing magnesium metal by electrolysis, 1,875,760; Sept. 6.

Pitcairn Aircraft, Inc. (See Clayton, Walter C., assignor.)

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft, 1,884,847; Oct. 25.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft device, 1,884,848; Oct. 25.

Pitcairn, Harold F., Bryn Athyn, Pa., and J. de la Cierva, Madrid, Spain, assignors to Autogiro Company of America, Philadelphia, Pa. Aircraft, 1,884,849; Oct. 25.

Pitcher, Elmer, et al. (See Pitcher, Elmer, assignor.)

Pitcher, Elmer, Minneapolis, Minn., assignor to E. Piper, Davenport, N. Dak. Quack grass digger. 1,850,357; Mar. 22.

Pitcher, Elmer, Minneapolis, assignor, by mesne assignments, to M. T. Nagle, St. Paul, J. R. Schoffman, St. James, Minn., C. H. Miller, Portland, Oreg., E. Pitcher, Minneapolis, Minn., J. L. Moore, Wimbledon, N. Dak., A. Running, St. James, Minn., and M. Henderson, Crosby, N. Dak. Snowplow. 1,864,215; June 21.

Pitcher, Elmer, St. Paul, Minn., assignor, by mesne assignments, to himself, M. T. Nagle, St. Paul, J. R. Schoffman, St. James, Minn., C. H. Miller, Portland, Oreg., J. L. Moore, Wimbledon, N. Dak., A. Running, St. James, Minn., and M. Anderson, Crosby, N. Dak. Snowplow. 1,866,837; July 12.

Pitcher, Elmer C., Hayward, Calif. Tie wire fastener and key. 1,871,196; Aug. 9.

Pither, Archibald S., et al. (See Martin, Otto J. T. G. R., assignor.)

Pitkin, George P., Bergenfield, N. J., and C. W. Hooper, Jamaica, assignors to H. A. Metz Laboratories Inc., New York, N. Y. Spinal anæsthetic solution. 1,888,934; Nov. 22.

Pitkin, Arthur F., Schenectady, N. Y. Stay bolt. 1,874,347; Aug. 30.

Pitman, Arthur L. (See Harris, C. R., and Pitman.)

Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Elliott-Fisher Company. Combined typewriting and computing machine. 1,869,582; Aug. 2.

Pitman, Henry L., Westfield, N. J., and A. G. F. Kurowski, Brooklyn, assignors to Auto Shift Corporation, New York, N. Y. Automatic gear shifting mechanism. 1,851,059; Mar. 29.

Pitman, Ida S., et al., trustees. (See Code, George A., assignor.)

Pitman, Louis K., New York, N. Y. Surgical instrument. 1,891,054; Dec. 13.

Pitney-Bowes Postage Meter Co. (See Wheeler, W. H., jr., and Ogden, assignors.)

Pitney-Bowes Postage Meter Co. (See Wheeler, jr., W. H., Ogden, and Rouan, assignors.)

Pitrella, Frank, Seneca Falls, N. Y. Windshield heating device. 1,870,923; Aug. 9.

Pitt, Dale L. (See Asselstine, William J., assignor.)

Pittenger, William A. (See Withrow, Ira L., assignor.)

Pitter Trust. (See Pitter, Walter C., assignor.)

Pitter, Walter C., Epping, Essex, England, assignor to The Pitter Trust, Chicago, Ill. Clutch mechanism. 1,870,644; Aug. 9.

Pitter, Walter C., Epping, Essex, England, assignor to The Pitter Trust, Chicago, Ill. Rotary clutch mechanism. 1,870,645; Aug. 9.

Pitter, Walter C., Epping, Essex, England, assignor to The Pitter Trust, Chicago, Ill. Spring clutch device. 1,870,646; Aug. 9.

Pitter, Walter C., Epping, England, assignor to The Pitter Trust, Chicago, Ill. Intermittent clutch. 1,873,633; Aug. 23.

Pittlick, Hermann, Sodingen, Germany, assignor to the Firm Patentverwertungs A.-G. "Alpina" S. A. pour l'Exploitation de Brevets "Alpina" Patents Exploitation Cy. "Alpina" Ltd., Basel, Switzerland. Seal. 1,839,340; Jan. 5.

Pittman, Harry C., Richmond, Ind. Motor protector and speed accelerator. 1,875,652; Sept. 6.

Pittman, Maggie, Kosciusko, Miss. Blouse. Des. 87,354; July 12.

Pittman, Reinhart W., New York, N. Y. Motion picture apparatus. 1,860,949; May 31.

Pittman, Vincent Y., Glendale, Calif. Concrete unit for wall construction. 1,891,837; Dec. 20.

Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc. Connection between springs and frames. 1,861,240; May 31.

Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc. Spring filled mattress. 1,865,043; June 28.

Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc., Rome, N. Y. Mattress. 1,882,876; Oct. 18.

Pittroff, Andreas, Dresden-Blasewitz, Germany. Lacing-shoe or boot. 1,876,263; Sept. 6.

Pitts, Silvas A., Columbus, Ohio. Shelter for domestic animals. 1,879,473; Sept. 27.

Pitts, Frederick B., Oklahoma City, Okla., T. Garlinger, East Orange, and T. C. Smith, Westfield, N. J., assignors to American Telephone and Telegraph Company. Cable-laying apparatus. 1,863,671; June 21.

Pitts, Frederick W., assignor to Michigan Steel Corporation, Detroit, Mich. Treating steel. 1,886,581; Nov. 8.

Pittsburg Boiler and Machine Company, The. (See Waterman, Clifford W., assignor.)

Pittsburg Utilities. (See Sperling, Eva, assignor.)

Pittsburg Water Heater Company. (See Kolts, John H., assignor.)

Pittsburgh Asphalt Vault Company. (See Shafer, William B., assignor.)

Pittsburgh Coal Company. (See Taber, William P., assignor.)

Pittsburgh Crucible Steel Company. (See Ferm, John F., assignor.)

Pittsburgh-Des Moines Steel Company. (See Lunt, Gordon R., assignor.)

Pittsburgh Equitable Meter Company. (See Armstrong, James R., assignor.)

Pittsburgh Equitable Meter Company. (See Chrisman, Horace, assignor.)

Pittsburgh Equitable Meter Company. (See Clark, Earle A., assignor.)

Pittsburgh Equitable Meter Company. (See Dowins, Richard G., assignor.)

Pittsburgh Equitable Meter Company. (See Holmes, Abram G., assignor.)

Pittsburgh Equitable Meter Company. (See MacLean, Allen D., assignor.)

Pittsburgh Equitable Meter Company. (See Parker, Walter H., assignor.)

Pittsburgh Equitable Meter Company. (See Reid, James F., assignor.)

Pittsburgh Equitable Meter Company. (See Seibert, N. J., and Kreidler, assignors.)

Pittsburgh Equitable Meter Company. (See Weymouth, Harry G., assignor.)

Pittsburgh Equitable Meter Company. (See Weymouth, H. G., and Chrisman, assignors.)

Pittsburgh Equitable Meter Company. (See Weymouth, H. G., and Kreidler, assignors.)

Pittsburgh Forgings Company. (See Mitchell, Ralph A., assignor.)

Pittsburgh Plate Glass Company. (See Arberry, Percy E., assignor.)

Pittsburgh Plate Glass Company. (See Burdett, C. F., and Owen, assignors.)

Pittsburgh Plate Glass Company. (See Clause, Robert L., assignor.)

Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)

Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)

Pittsburgh Plate Glass Company, The. (See Frost, Clinton E., assignor.)

Pittsburgh Plate Glass Company. (See Halbach, Howard L., assignor.)

Pittsburgh Plate Glass Co. (See Harrington, Alfred L., assignor.)

Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)

Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)

Pittsburgh Plate Glass Company. (See Koupal, Walter G., assignor.)

Pittsburgh Plate Glass Company. (See Linder, Cyril S., assignor.)

Pittsburgh Plate Glass Company. (See Lynn, George, assignor.)

Pittsburgh Plate Glass Company. (See Lynn, G., Allen, and Beecher, assignors.)

Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)

Pittsburgh Plate Glass Company. (See McLeod, John D., assignor.)

Pittsburgh Plate Glass Company. (See Means, Dwight R., assignor.)

Pittsburgh Plate Glass Company. (See Mertes, August, assignor.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Plate Glass Company. (See Poundstone, William W., assignor.)

Pittsburgh Plate Glass Company. (See Raleigh, Walter P., assignor.)

Pittsburgh Plate Glass Company. (See Raleigh, W. P., and Dickey, assignors.)

Pittsburgh Plate Glass Company. (See Schneider, Frederick W., assignor.)

Pittsburgh Plate Glass Company. (See Showers, Lee, assignor.)

Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)

Pittsburgh Plate Glass Company. (See Spinasse, Arthur E., assignor.)

Pittsburgh Plate Glass Company. (See Swartzlander, Thomas H., assignor.)

Pittsburgh Reflector Company. (See Hoeveler, John A., assignor.)

Pittsburgh Research Corporation. (See Moore, William E., assignor.)

Pittsburgh Research Corporation. (See Moore, W. E., and Simpson, assignors.)

Pittsburgh Screw and Bolt Corporation. (See Dicks, Thomas A., assignor.)

Pittsburgh Screw & Bolt Corporation. (See Peirce, William B., assignor.)

Pittsburgh Screw and Bolt Corporation. (See Shurm, Peter J., assignor.)

Pittsburgh Screw & Bolt Corporation. (See Smith, George S., assignor.)

Pittsburgh Steel Company. (See Benedict, Edward L., assignor.)

Pittsburgh Steel Products Company. (See Jamison, John K., assignor.)

Pittsburgh Stoker Company. (See Waechter, Charles A., assignor.)

Pittsburgh Taximeter Company, et al. (See Eisenschmid, W., and Newcomb, assignors.)

Pittson, Nikolais D., Hanna, Alberta, Canada. Calf feeder. 1,891,575; Dec. 20.

Pivoto, Felix L., Beaumont, Tex. Casing head. 1,867,093; July 12.
Pivoto, Felix L., Beaumont, Tex. Drill bit. 1,878,292; Sept. 20.
Place, Alfred W. (See Gebert, H. L., and Place.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Joint. 1,842,282; Jan. 19.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Automobile roof or similar construction. 1,842,283; Jan. 19.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener socket. 1,842,284; Jan. 19.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Picture, sign, mirror, and the like. 1,842,285; Jan. 19.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing snap fastener. 1,887,426; Nov. 8.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Edging for trim panels. 1,889,903; Dec. 6.
Placek, Adolph, New Orleans, La. Utilization of distillery slops jointly with wood sawdust or other vegetable waste or carbonaceous materials. 1,856,357; May 3.
Placek, Adolph, New Orleans, La. Producing ethyl alcohol from wood or other cellulose containing materials. 1,885,935; Nov. 22.
Placette, Joseph G. (See Repschleger, W. E., Armistead, Talbot, and Placette.)
Plachy, James, assignor to Proof Machine and Brass Foundry Company, Cleveland, Ohio. Battery connecter. 1,847,021; Feb. 23.
Plaisted, Henry, Baltimore, Md. Water motor machine. 1,867,094; July 12.
Pla Costa, Jose Miguel, Buenos Aires, Argentina. Monthly almanac and the like. 1,868,430; July 19.
Planche, Rene De Villefranche-Sur-Saone, France. Variable rheostat. 1,885,373; Nov. 1.
Planer, Paul. (See Geyling, R., and Planer.)
Planer, Paul, Berlin, Austria. Projecting bright backgrounds by oblique projections. 1,869,275; July 26.
Plank, Lester G. (See Burns, R. C., and Plank.)
Plank, Ray. (See De Long, D. F., and Plank.)
Plank, Ray, assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,857,047; May 10.
Plank, Ray, assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,857,048; Apr. 5.
Plank, Walter E., San Francisco, Calif. Steering mechanism stabilizer. 1,868,912; July 26.
Plant Appliance Company. (See Bergen, Reuben S., assignor.)
Plant Rubber & Asbestos Works. (See Stadtfeld, Jacob A., assignor.)
Plant Rubber & Asbestos Works, Inc. (See Stadtfeld, Jacob A., assignor.)
Plant, Thomas G., Huntonboro, N. H. Machine for seeding golf links, lawns, and the like. 1,853,079; Apr. 12.
Plante, Gordon V., assignor to The National Paper Company, Atlanta, Ga. Paper tube forming machine. 1,857,002; May 3.
Planters Manufacturing Co. (See Hargroves, Willis W., jr., assignor.)
Planters Manufacturing Co. (See Williams, Charles E., assignor.)
Plantes, John J. (See Peters, John R., assignor.)
Plantin, Bernard L. P., Bruxelles, Belgium, assignor to Societe Hardoll, Anciens Etablissements Hirriveau & Dolimier et René Porte & Cie Réunis, Levallois-Perret, Seine, France. Mechanism for fluid distribution sys tems. 1,884,883; Oct. 25.
Plantinga, Peter, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Control mechanism for grinding machines. 1,873,151; Aug. 23.
Plantinga, Peter, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Splash guard mechanism for grinding machines. 1,873,152; Aug. 23.
Plass, Robert H., Upper Montclair, N. J. Fur breaking machine. 1,863,727; June 21.
Plass, Robert H., Upper Montclair, assignor to The Chapal-Donner Corporation, Newark, N. J. Fur cutting machine. 1,842,566; Jan. 26.
Plass, Robert H., Upper Montclair, assignor to The Chapal-Donner Corporation, Newark, N. J. Fur cutting machine. 1,842,567; Jan. 26.
Plass, Robert H., Upper Montclair, assignor to The Chapal-Donner Corporation, Newark, N. J. Fur cutting machine. 1,842,568; Jan. 26.
Plass, Robert H., Upper Montclair, assignor to The Chapal-Donner Corporation, Newark, N. J. Fur cutting machine. 1,842,569; Jan. 26.
Plass, Robert H., Upper Montclair, assignor to The Chapal-Donner Corporation, Newark, N. J. Fur cutting machine. 1,873,027; Aug. 23.
Plass, Zelma C. (See Lemke, N. K., and Plass.)
Plastic-Craft Novelty Company. (See Oulton, Charles B., assignor.)
Plastix Corporation. (See Meigs, Joseph V., assignor.)
Platakis, Peter, Minneapolis, Minn. Mechanical toy. 1,870,586; Aug. 9.
Platau, Ferdinand. (See MacIntosh, Neil M., assignor.)
Plate, Robert T., Detroit, Mich. Hair curler. 1,886,731; Nov. 8.
Plate-Munters Refrigerating System Aktiebolag. (See Munters, Carl G., assignor.)
Plate-Munters Refrigerating System Aktiebolag. (See Munters, C. G., and Bäckström, assignors.)
Plath, Frederick A. (See Kolle, J. W., and Plath.)
Plato, Gerhardt, Chicago, Ill. Internal combustion engine. 1,842,997; Jan. 26.
Platt Brothers and Company Limited. (See Wilkinson, Henry, assignor.)
Platt, Harry E., Ottumwa, Iowa. Automatic pressure gauge. 1,887,821; Nov. 15.
Platt, Herbert. (See Dreyfus, C., Miles, and Platt.)
Platt, Herbert. (See Dreyfus, C., and Platt.)
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Treating fabrics and product thereof. 1,857,163; May 10.
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Textile material and making same. 1,861,026; May 31.
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Sizing of dyed yarn. 1,870,868; Aug. 9.
Platt, Herbert, W. Whitehead, and F. J. Williams, Cumberland, Md., assignors to Celanese Corporation of America. Tinting liquid. 1,840,290; Jan. 5.
Platt, Herbert, and W. Whitehead, Cumberland, Md., and F. J. Williams, Metuchen, N. J., assignors to Celanese Corporation of America. Applying tinting liquid and product thereof. 1,869,291; Jan. 5.
Platt, James B., Baltimore, Md., assignor to Stone Straw Corporation, Washington, D. C. Cut-off mechanism for tube machines. 1,863,194; June 14.
Platt, John W., Waterville, Conn. Gas valve locking attachment. 1,877,529; Sept. 13.
Platt, Joseph B., New York, N. Y., and I. D. Tefft, assignors to The Parker Pen Company, Janesville, Wis. Fountain pen and pencil clip. Des. 88,821; Dec. 27.
Platt, M., Inc. (See Sorrick, Elmer, assignor.)
Platt, Newell C., Springfield, Mass., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,860,950; May 31.
Platter, Louis. (See Madsen, N. P., and Jensen, assignors.)
Platter, Orval R., et al. (See Corcoran, Laurence M., assignor.)
Plattring, Adolf, assignor to the Firm Stern-Verschlusse, G. m. b. H., Berlin, Germany. Bottle. 1,841,980; Jan. 19.
Platz, Karl. (See Daimler, K., and Platz.)
Platzer, George E., Schenectady, N. Y., assignor to General Electric Company, a device for dynamo electric machines. 1,840,129; Jan. 5.
Platzer, Karl, Innsbruck, Tyrol, Austria. Stand attachment for fountain pens. 1,879,034; Aug. 30.
Plaut, Antoine P., assignor of one-half to Marvel Carbureter Company, Flint, Mich. Intake manifold for internal combustion engines. 1,844,045; Feb. 9.
Plaut, Antoine P., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,882,877; Oct. 18.
Player, Edward, Astley, England, assignor, by mesne assignments, to Magnetium Development Corporation. Casting light metals in sand molds. 1,876,073; Sept. 6.
Player, Sydney, and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Lapping machine. 1,843,300; Feb. 2.
Player, Sydney, and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Cam lapping machine. 1,843,301; Feb. 2.
Playskool Institute, Inc. (See Wetzel, Harry C., assignor.)
Pleasant, Carl. (See Sutton, Clifford, assignor.)
Pleasant, Herman E. (See Pleasant, M. C., and Pleasant.)
Pleasants, Henry, jr., West Chester, Pa. Sheet unit. 1,840,916; Jan. 12.
Pleńkiński, Józef, Warsaw, Poland. Process and apparatus for undisturbed radio communication. 1,858,936; May 17.
Plechl, Otto. (See Latzko, J., and Plechl.)
Plechl, Otto, Pfaffstatten, near Vienna, and J. Latzko, Vienna, Austria, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Supervisory control panel. 1,879,007; Sept. 27.
Pledger, Ernest A. (See Marsh, Claude E., assignor.)
Pledger, Martin L., assignor to Egan Cotton Mills, Atlanta, Ga. Knitting needle. 1,866,222; July 5.
Pledger, Milton. (See Minor, Edward L., assignor.)
Pleiss, Walter H., assignor to Handy Things Manufacturing Company, Ludington, Mich. Fixture support. 1,852,202; Apr. 5.
Pleister, Henry W., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Spring toggle. 1,849,804; Mar. 15.
Pleister, Henry W., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Bolt anchor having a collapsible head. 1,857,686; Sept. 20.
Pleister, Henry W., Westfield, and J. Karitzky, assignors to H. B. Newhall Corporation, Garwood, N. J. Bolt anchor. 1,852,089; Apr. 5.
Plenge, Edwin H., Memphis, Mo. Game apparatus. 1,868,762; July 26.
Plesch, Johann, Berlin, Germany. Blood pressure tourniquet. 1,857,567; May 10.

Pletzke, Edward J., and J. J. Sharpe, Detroit, Mich. Toothbrush. 1,844,596; Feb. 9.
Plexico, Robert S., Muncie, Ind. Transmission gearing. 1,872,338; Aug. 16.
Plimmer, Alfred G., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,891,777; Dec. 20.
Plimpton, Bentley A., assignor to Locke Insulator Corporation, Baltimore, Md. Pole top bracket. 1,865,134; June 28.
Plint, Joseph. (See Gurton, W. S., Plint, and Nyberg.)
Ploeger, Clyde E. (See Peltier, F. D., and Ploeger.)
Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Shaft seal for compressors. 1,841,298; Jan. 12.
Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 1,854,997; Apr. 19.
Ploen, Curtis W. (See Hollingshead, A. G., and Ploen.)
Ploen, Curtis W., assignor to The Okadee Company, Chicago, Ill. Automatic means for blowing up engines. 1,904,265; Oct. 25.
Ploner, Friedrich, Innsbruck, Austria. Apparatus for casting horoscopes. 1,880,476; Oct. 4.
Ploss, Frederick W., Philadelphia, Pa. Hanger. 1,867,469; July 12.
Ploss, Othmar C., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Separating partition for wire conveyor belts. 1,846,222; Feb. 23.
Plotkin, Joseph H., assignor to National Brief Case Manufacturing Co., Chicago, Ill. Traveling case. 1,871,197; Aug. 9.
Plotts, Roland, Carlyle, Ill. Well pumping apparatus. 1,842,885; Jan. 26.
Plotts, Roland, Carlyle, Ill. Well pumping apparatus. 1,842,686; Jan. 26.
Plowick, Frank G., Detroit, Mich. Battery tag holder. 1,896,335; Dec. 20.
Plum, Johannes, Washington, D. C., assignor to Fantail Boat Corporation, New York, N. Y. Speed boat. 1,871,335; Aug. 30.
Plumb, Walter. (See Coyle, J., and Plumb.)
Plumley, Raymond L. (See Osann, F., and Plumley.)
Plumley, Raymond L., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Sewing machine light arrangement. 1,879,708; Sept. 27.
Plumley, Raymond L., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Overseaming sewing machine. 1,891,605; Dec. 20.
Plummer, Harvey S., Fairview Village, Worcester Township, Montgomery County, Pa. Insect trap. 1,855,985; Apr. 26.
Plummer, William B., assignor to Standard Oil Company (Indiana), Chicago, Ill. Reconditioning alloy steel. 1,884,206; Oct. 25.
Plunkett, James W. (See Rauch, G. C., and Plunkett.)
Plunkett, John W., and R. R. Roberts, Orange, Mass. Stop device for automobiles. 1,883,820; Oct. 18.
Plykrome Corporation, The. (See Johnson, Wallace C., assignor.)
Plyler, Rush Vaun, Saratoga, Tex. Portable shackle line pick-up device. 1,882,878; Oct. 18.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,845,984; Feb. 16.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,853,927; Apr. 12.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,882,879; Oct. 18.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,882,880; Oct. 18.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,882,881; Oct. 18.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Tilting receptacle. 1,890,587; Dec. 13.
Plym, Francis J., assignor to Kawneer Company, Niles, Mich. Bulkhead construction. 1,891,187; Dec. 13.
Plymouth Cordage Company. (See Brewster, Ellis W., assignor.)
Plympton, Donald. (See Plympton, William B., D., and R. A.)
Plympton, Ralph A. (See Plympton, William B., D., and R. A.)
Plympton, William B., D., and R. A., Ellwood City, Pa. Air cooling and circulating device. 1,881,374; Oct. 4.
Pneu-Hydro Road Machinery Company. (See Price Harvey B., assignor.)
Pneuman, James I., Oneida, assignor to Triumph Trap Company, Inc., New York, N. Y. Game trap. 1,862,580; June 14.
Pneumatic Scale Corporation, Limited. (See Doble, Ralph N., assignor.)
Pneumatic Scale Corporation, Limited. (See English, Analdo M., assignor.)
Pneumatic Scale Corporation, Limited. (See Field, Samuel B., assignor.)
Pneumatic Scale Corporation, Limited. (See Gustafson, Henry A., assignor.)
Pneumatic Scale Corporation, Limited. (See Joplin, William A., assignor.)
Pneumatic Scale Corporation, Ltd. (See Robrig, Paul, assignor.)
Pneumatic Tire Inflating Devices Corporation. (See White, Ellis E., assignor.)
Pneumatic Tube Supply Co. of Delaware. (See Needham, John T., assignor.)
Pockrandt, Ernest, Minden, Nebr. Incubator tray. 1,889,493; Nov. 29.
Pocock, Merton A., et al. (See Sager, Lee R., assignor.)
Pocock, Merton A., Minneapolis, Minn. Operation chart and indicator. 1,853,080; Apr. 12.
Pocock, Richard J., Milford, Conn. Beach boat. 1,852,025; Apr. 5.
Pocoroba, Giuseppe, Newark, N. J. Identifying bullets. 1,881,324; Nov. 8.
Podd, Ernest A., Houston, Tex. Spreader clamp. 1,875,136; Aug. 30.
Podel, Abraham, Bronx, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealing machine. 1,841,051; Jan. 12.
Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package. 1,858,864; May 17.
Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Package assembling machine. 1,866,360; July 5.
Podel, Abraham, assignor to Anchor Cap & Closure Corporation, New York, N. Y. Sealed package. 1,869,167; July 26.
Podell, Louis N., Milwaukee, Wis. Teething device. Des. 87,240; June 21.
Podlysky, Dmytro, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Yarn holder. 1,843,748; Feb. 2.
Podmore, Arthur, London, England, assignor to American Machine & Foundry Company. Tobacco-feed belt for cigarette machines. 1,864,758; June 28.
Podszus, Emil, Berlin-Friedrichshagen, Germany. Sound reproducing apparatus. 1,868,640; July 26.
Poe, Fred M., Sufern, N. Y., assignor to the American Brake Shoe and Foundry Company, Wilmington, Del. Casting mold. 1,855,529; Apr. 26.
Poe, Fred M., Suffern, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Mold facing. 1,882,882; Oct. 18.
Poepel, Emil O. H., Chicago, Ill. Can opener. 1,842,047; Jan. 19.
Poeppelmeier, Frank H., assignor to The Set-O-Type Company, Dayton, Ohio. Type for automatic typesetting machines. 1,856,725; May 3.
Poeppelmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Tabulator for typographic machines. 1,884,850; Oct. 25.
Poeppelmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Marginal gauge for typesetting machines. 1,884,851; Oct. 25.
Poeppelmeier, Vincent E., Dayton, Ohio. Justifying device. 1,847,847; Mar. 1.
Poesse, Walter H., assignor to The Domestic Electric Company, Cleveland, Ohio. Motor bearing oiler. 1,843,628; Feb. 2.
Poeter, E., & Co. (See Baum, Charles, assignor.)
Poeter, E., & Co. (See Baum, Edward, assignor.)
Poeter, Edward, assignor to E. Poeter & Co., Irvington, N. J. Latch device for hand bags. 1,859,769; May 24.
Poeter, Edward, Irvington, N. J., assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device. 1,864,551; June 28.
Poetsch, Chester M., Chicago, Ill. Game scoring device. 1,867,170; July 12.
Poffenberger, Noland. (See Grebe, J. J., and Poffenberger.)
Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Juice extractor. Des. 86,265; Feb. 16.
Pogue, Charles N., St. Boniface, Manitoba, Canada. Route indicator. 1,858,013; May 10.
Pogue, Robert B., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,847,067; Mar. 1.
Pogue, Robert B., Chicago, Ill., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,872,806; Aug. 23.
Pogue, Robert B., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,882,883; Oct. 18.
Pogue, Robert B., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,882,884; Oct. 18.
Pogue, Stephen H., Pine Bluff, Ark. Advertising sign. 1,843,833; Feb. 2.
Pohl, Charles J., assignor to M. P. Hannin, Los Angeles, Calif. Packing device for use in casing heads, or the like. 1,872,192; Aug. 16.
Pohl, Ernest F., assignor to Automatic Fire Extinguisher & Alarm Co., St. Louis, Mo. Combined automatic fire extinguisher and alarm. 1,869,503; Aug. 2.
Pohl, Friedrich H. M., assignor to Co-Operative Embroidery Company, Woodcliff, N. J. Embroidered textile fabric or similar article. Des. 87,794; Sept. 20.
Pohl, Karl, et al. (See Stolfa, H., and Zwerina.)
Pohlhausen, Karl, Berlin-Halensee, Germany, assignor to Westinghouse Electric & Manufacturing Company. Transmission line device. 1,872,605; Aug. 16.

Pohlhausen, Karl, Berlin-Halensee, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron tube. 1,886,264; Nov. 1.

Pointon, John E. (See Barber, L. S., and Pointon.)

Pointon, John E., Peterborough, England, assignor to Baker Perkins Company Incorporated, New York, N. Y. Baking oven. 1,858,937; May 17.

Point-O-Purchase Company. (See Easterday, Homer, assignor.)

Poirier, Georges, St. Symphorien, France. Reverse gear for cars. 1,891,576; Dec. 20.

Poirier, Lionel, and V. Varin, Chicopee Falls, Mass. Blueing holder. 1,881,293; Oct. 4.

Poix, G. M., Inc. (See Yerkes, Gabrielle M. P., assignor.)

Pokorny, Ernst, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treating calcium molybdate. 1,873,475; Aug. 23.

Pokorny, Ernst, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of tungsten metal. 1,877,961; Sept. 20.

Polaire, Zero, Salem, Mass. Trap. 1,865,044; June 28.

Polakes, Bruce S., Westville, Ill. Tire chain. 1,871,198; Aug. 9.

Poland, Meyer D., Wilmington, Del. Finger ring. Des. 86,138; Feb. 2.

Poland, Meyer D., Wilmington, Del. Finger ring. Des. 86,139; Feb. 2.

Poland, Sprigg, Winter Park, Fla. Bending pliers. 1,886,732; Nov. 8.

Polar Wind Corporation. (See Webber, George R., assignor.)

Polgreen, Geoffrey R. (See Marris, G. C., Polgreen, and Williams.)

Polhemus, Charles B., San Jose, Calif. Barbecue grate. 1,856,319; Apr. 12.

Poliakoff, Jacques, New York, N. Y., and W. C. Roe, Dormont, Pa.; said Roe assignor to said Poliakoff. Advertising device. 1,880,210; Oct. 4.

Poliearius, Charles M., Philadelphia, and G. W. Morrison, Upper Darby, assignors to Abbotts Dairies, Inc., Philadelphia, Pa. Manufacturing pre-portioned molds of edible substances and the resulting products. 1,890,044; Dec. 6.

Polikoff, Emanuel, Minneapolis, Minn. Combination article of furniture. 1,863,253; June 14.

Polin, Herbert S., San Francisco, Calif., assignor to Polin, Inc., New York, N. Y. Electro-chemical current interrupter. 1,863,253; June 14.

Polin, Herbert S., San Francisco, Calif., assignor to Polin, Inc., New York, N. Y. Forming an amalgam and product thereof. 1,863,254; June 14.

Polin, Inc. (See Polin, Herbert S., assignor.)

Polinkowsky, Lipa. (See Deakin, G., and Polinkowsky.)

Polinkowsky, Lipa, deceased, Antwerp, Belgium, by E. Frum, administrator, and O. C. Frum, assignors to Semiautomatic Company, Incorporated, New York, N. Y. Semiautomatic rural telephone system. 1,848,196; Mar. 8.

Polinsky, Samuel. (See Newton, T. H., and Polinsky.)

Polis, Max. (See Eckstein, R., and Polis.)

Polis, Max, et al. (See Schulz, H. E., and Gehring, assignors.)

Polk, Dolly M. (See Polk, Lester L. and D. M.)

Polk, Edward B., Sacramento, Calif. Skid and lift truck means for handling materials. 1,840,971; Jan. 12.

Polk, Lester L. and D. M., New Orleans, La. Hose drier. 1,841,450; Jan. 19.

Polk, William J., Madison, Wis. Cigarette server. 1,859,104; May 17.

Polkinghorn, Frank A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Holder for crystal resonators. 1,882,885; Oct. 18.

Poll, Louis, Hamilton, Mich. Planting machine. 1,888,143; Nov. 15.

Pollack, Daniel. (See Kasdan, N., Landwehr, and Pollack.)

Pollack, Joseph O., Chicago, Ill. Pressure indicator for mechanical devices. 1,845,098; Feb. 16.

Pollack, Joseph O., Chicago, Ill. Press. 1,857,286; May 10.

Pollack, Walter. (See Young, A. M., and Pollack.)

Pollak, Felix, Vienna, Austria. Manufacture of spun glass. 1,875,491; Sept. 6.

Pollak, Fritz, and A. Ostersetzer, Vienna, Austria, assignors, by mesne assignments, to Pollopas Limited, Nottingham, England. Condensation product and making same. 1,854,600; Apr. 19.

Pollak Steel Company. (See Paque, Edward J., assignor.)

Pollard, Bernard J., Detroit, Mich. Protecting aircraft. 1,854,220; Apr. 19.

Pollard, E. B. Company Limited. (See Pollard, Harold E., assignor.)

Pollard, Harold E., assignor to E. Pollard & Company Limited, London, England. Awning. 1,890,406; Dec. 6.

Pollard, Hugh E., assignor to Arrow Tools, Inc., Chicago, Ill. Power operated reciprocating tool device. 1,882,520; Oct. 11.

Pollard, John D., Chicago, Ill. Trigger mechanism. 1,839,586; Jan. 5.

Pollel, Harold O., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding tubular connections to pressure vessels. 1,847,361; Mar. 1.

Pollel, Harold O., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric welding of pressure vessels. 1,873,905; Aug. 23.

Pollitt, George P. (See Brownsdon, H. W., Nimmo, and Pollitt.)

Pollitzer, Franz, Grossheselohe, near Munich, Germany. Process for the separation of mixtures of gases. 1,853,743; Apr. 12.

Pollitzer, Franz, Grossheselohe, near Munich, and H. Kahle, Hollriegelskreuth, near Munich, Germany. Apparatus for the separation of gas mixtures. 1,865,135; June 28.

Pollitzer, Franz, Grossheselohe, near Munich, and S. Stark, Grunwald, near Munich, Germany. Separation of oxygen, nitrogen, and argon from air. 1,880,981; Oct. 4.

Pollmiller, Fred A., Fort Madison, Iowa. Adjustable temple for spectacles. 1,841,052; Jan. 12.

Pollock, Frank S., assignor to Atlas Powder Company, Wilmington, Del. Plant marker. 1,875,137; Aug. 30.

Pollock, Julius, Cleveland Heights, assignor to The Republic Brass Company, Cleveland, Ohio. Faucet. 1,884,207; Oct. 25.

Pollock, Porter, and C. A. Wills, assignors to The William B. Pollock Company, Youngstown, Ohio. Car structure. 1,839,701; Jan. 5.

Pollock, Ralph C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Dehydrating emulsified oils. 1,847,413; Mar. 1.

Pollock, Ralph C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Decolorizing and neutralizing oils. 1,847,442; Mar. 1.

Pollock, Ralph C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Revivifying clays. 1,847,624; Mar. 1.

Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbon oils. 1,844,480; Feb. 9.

Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for converting hydrocarbons. 1,887,039; Nov. 8.

Pollock, Sheldon L., New York, N. Y. Pocket check protector or similar article. Des. 87,405; July 19.

Pollock, William. (See Crawford, H. M., and Pollock.)

Pollock, William B., Company, The. (See Pollock, P., and Wills, assignors.)

Pollopas Limited. (See Ostersetzer, A., and Riesenfeld, assignors.)

Pollopas Limited. (See Pollak, F., and Ostersetzer, assignors.)

Polsen, Samuel D., Bridgeport, Conn. Vending machine. 1,843,836; Mar. 8.

Polsky, Michael, Brooklyn, N. Y. Undergarment. 1,867,327; July 12.

Polston, Mardell D., Oviedo, Fla. Internal combustion engine. 1,881,294; Oct. 4.

Polushkin, Eugene P., New York, N. Y. Bearing surface. 1,884,208; Oct. 25.

Polushkin, Eugene P., New York, N. Y. Screen. 1,885,762; Nov. 1.

Polydorff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Process of and apparatus for standardizing magnetic cores. 1,887,380; Nov. 8.

Polymet Manufacturing Corporation. (See Baum, Harry, assignor.)

Polyslus, G., Aktiengesellschaft. (See Bruhn, Bruno, assignor.)

Polzer, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Tacker. 1,890,694; Dec. 13.

Pölzguss, Franz, assignor to the Firm Deutsche Edelstahlwerke A.-G., Bochum, Germany. Steel alloy. 1,877,962; Sept. 20.

Pomerantz, Herman. (See Silverman, M., and Pomerantz.)

Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)

Pomeranz, Jacob J., Brooklyn, and V. Tanasso, Harrison, N. Y. Joint for the eye-wires of ophthalmic mountings. 1,891,176; Dec. 13.

Pomeranz, Jacob J., Brooklyn, and V. Tanasso, Harrison, N. Y. Box stud and nose guard for ophthalmic mountings. 1,891,177; Dec. 13.

Pomerantz, Samuel L., Brooklyn, N. Y. Loose powder sifter box. Des. 87,449; Aug. 2.

Pomeroy, Edward S. (See Wesson, H., and Pomeroy.)

Pomeroy, James A. G., Fresno, Calif. Fountain pen. 1,849,311; Mar. 15.

Pomosin Werke G. m. b. H. (See Ripa, Rudolf, assignor.)

Ponce, Lucien G., Parnassus, assignor to Allegheny Steel Company, Brackenridge, Pa. Pipe thread protector. 1,885,375; Nov. 1.

Poncet, Albert, Champier, France. Automatic shuttle changing mechanism for a loom weaving with one or several shuttles. 1,891,441; Dec. 20.

Pond, Charles H. (See Tillyer, E. D., and Pond.)

Pond, Harold J., and W. Thielen, assignors to Advance Machine Company, Inc., Minneapolis, Minn. Brush attachment device for scrubbing machines. 1,875,138; Aug. 30.

Pond, Leander N., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Apparatus for rolling glass sheets. 1,886,302; Nov. 1.

Ponder, Ephraim D., Gainesville, Fla. Multiple vacuum action pipe organ. 1,843,403; Feb. 2.

Pongratz, Emmerich V., Oppau, and H. Zorn, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of oils from industrial residues. 1,859,932; Dec. 6.

Poniatowski, Joseph, Huntington Park, Calif. Airplane propeller. 1,864,316; June 21.

Pons, Onesime H., Valdese, N. C. Stocking inspecting device. 1,852,674; Apr. 5.

Ponselle, Robert A., New York, N. Y. Floor cleaning machine. 1,855,728; Apr. 26.

Ponselle, Robert A., New York, N. Y. Portable polishing device. 1,867,629; July 19.

Ponselle, Robert A., New York, N. Y. Sanding drum. 1,836,977; Dec. 8.

Ponsonby, Amos A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Storage battery locomotive. 1,847,443; Mar. 1.

Ponsonby, Amos A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Storage battery locomotive. 1,851,727; Mar. 29.

Ponstingl, Frank, Milwaukee, Wis. Toy building brick. 1,863,995; June 21.

Ponten, Jean S., Fiedmont, and O. W. Ponten, Berkeley, Calif. Back rest. 1,842,424; Jan. 26.

Ponten, Olaf W. (See Ponten, Jean S. and O. W.)

Pontieu, Henri, Viroflay, France. Compressor. 1,867,470; July 12.

Ponting, Herbert G., London, and G. W. Ford, Kensington, London, England, assignors, by mesne assignments, to Kingatome Patents Corporation. Cinematographic apparatus. 1,868,252; July 19.

Ponton, Fortunat, assignor to Vaughan Company, Chicago, Ill. Tray support. 1,886,582; Nov. 8.

Pontoppidan, Carl, Holte, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Filtration of suspended sediments. 1,879,474; Sept. 27.

Pontow, Werner, Berlin-Wilmersdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company. Coupling system for regulating apparatus. 1,874,800; Aug. 30.

Pooch, William B., Racine, Wis. Collapsible and portable lodge. 1,862,425; June 7.

Poock, John, Woodcliff, N. J. Interiorly swinging window and frame. 1,873,784; Aug. 23.

Pool, Francis. (See Bommer, M., Haller, and Pool.)

Pool, William, Crayford, assignor, by mesne assignments, to British Celanese Limited, London, England. Device for delivering fluids under pressure. 1,884,852; Oct. 25.

Poole, Arthur F., Ithaca, N. Y., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. 1,842,460; Jan. 26.

Poole, Arthur F., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. Time keeping mechanism. 1,852,896; Apr. 5.

Poole, Arthur F., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. Electric re-winder clock. 1,861,228; May 31.

Poole, Arthur F., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. Clock driving mechanism. 1,884,853; Oct. 25.

Poole, Charles R. (See Schechter, J., and Poole.)

Poole, Edwin J., Cleveland, Ohio. Safety starter switch. 1,892,249; Dec. 27.

Poole Engineering and Machine Company. (See Morgan, Merton W., assignor.)

Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Machine for making ribbed innersoles. 1,842,838; Jan. 26.

Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Sewing machine. 1,882,886; Oct. 18.

Poole, John R. (See Stickell, S. F., and Poole.)

Poole, Joseph E., Pretoria, South Africa. Cutting implement. 1,858,170; May 10.

Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for forming countersunk holes. 1,856,726; May 3.

Poole Manufacturing Co. (See Poole, Arthur F., assignor.)

Poole, Richard S. (See Raymer, M. M., and Poole.)

Poole, Roscoe D., Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. Re18,328; Jan. 19.

Poole, Trew F., et al. (See Roth, William A., assignor.)

Poole, Willis D., Greensboro, N. C. Window sash lock. 1,843,402; Feb. 2.

Poon, Tom K., San Francisco, Calif. Shoe fastening device. 1,879,475; Sept. 27.

Poore, Benjamin F. P., Greenville, Miss. Apparatus for molding hollow concrete blocks. 1,857,003; May 3.

Poore, Fred M., Seattle, Wash. Burner. 1,889,843; Dec. 6.

Poot, Philippe, Saventhem, Belgium. Screw-propeller for flying machines and other aerodynamic apparatus. 1,861,065; May 31.

Pope, Alton L., Fort Worth, Tex. Speed control mechanism. 1,862,802; June 14.

Pope, Daniel K., Cleveland, Ohio. Spring cover. 1,871,341; Aug. 9.

Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel attaching machine. 1,839,259; Jan. 5.

Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributing apparatus. 1,841,451; Jan. 19.

Pope, Elton A., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Bath-room fixture. Des. 87,757; Sept. 13.

Pope, Elton A., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Bath-room fixture. Des. 87,758; Sept. 13.

Pope, John C., Yonkers, N. Y., assignor to Standard Oil Development Company. Sludge resisting hydrocarbon oils and making the same. 1,882,837; Oct. 18.

Pope, John H., and B. Morgan, Acworth, Ga. Thin place detector. 1,866,053; July 5.

Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,839,260; Jan. 5.

Pope Machinery Corporation. (See Howard, Merton W., assignor.)

Pope, Philip C., Beckenham, England. Apparatus for low temperature carbonization. 1,882,888; Oct. 18.

Popelářová, Marie, born Buriánová, Prague, Czechoslovakia. Aviator's garment. 1,845,099; Feb. 16.

Popham, John C., et al. (See Edwards, James H., assignor.)

Popkin, Martin E., Baltimore, Md. Cloth matching and measuring machine. 1,886,902; Nov. 8.

Poplawski, Stephen J., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Fruit juice extractor. 1,849,112; Mar. 15.

Popoff, John, New York, N. Y. Sky writing apparatus. 1,852,521; Oct. 11.

Popov, Vladimir D., Pulsen, Czechoslovakia. Means for the automatic weighing of goods of different kinds. 1,856,884; May 3.

Popp, Harry E., York, Pa. Adjustable vane hydraulic turbine. 1,877,048; Sept. 13.

Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Multiple circuit controlling switch. 1,858,597; May 17.

Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Rotary snap switch. 1,858,598; May 17.

Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Switching device. 1,879,822; Sept. 27.

Popp, Rudolf, Valparaiso, Ind., assignor to McGill Manufacturing Company, Ind. Switch operating mechanism. 1,889,215; Nov. 29.

Popp, Sylvan R. (See Hanson, E. C., and Popp.)

Popp, William J., Loudonville, N. Y. Bottle. Des. 87,853; Sept. 27.

Poppe, Edward W., assignor to Kalamazoo Paper Box Company, Kalamazoo, Mich. Display box. 1,859,049; May 17.

Poppe, Edward W., Kalamazoo, Mich. Display box or package. 1,859,050; May 17.

Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Process and machine for making bags. 1,851,060; Mar. 29.

Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Process and machine for making envelopes. 1,851,061; Mar. 29.

Poppenhäuser, Ferdinand, assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or article of analogous nature. Des. 86,093; Jan. 26.

Poppenhusen, Hermann A., Hammond, Ind. Dispensing machine. 1,869,773; Aug. 2.

Popper, Julius S., Elizabeth, N. J. Leaf hinge clip. 1,886,903; Nov. 1.

Popper, Max, Brooklyn, N. Y. Pinking attachment for sewing machines. 1,878,293; Sept. 20.

Popper, Max, Brooklyn, N. Y. Pinking attachment for sewing machines. 1,886,422; Nov. 8.

Popper, Max, New York, N. Y. Ventilating strip for hats. 1,890,407; Dec. 6.

Poppleton, Mae, Greenville, Ill. Incubator tray. 1,857,568; May 10.

Popsicle Corporation of the United States, The. (See Hughes, Eric C., assignor.)

Poranski, Walter, Chicago, Ill. Vanity case. 1,847,194; Mar. 1.

Poranski, Walter, Chicago, Ill. Vanity case. 1,882,889; Oct. 18.

Porcelain Enamel and Manufacturing Company of Baltimore, The. (See Turk, Karl, assignor.)

Porcelain Tile Corporation. (See Grigsby, Owen, assignor.)

Porcelain Tile Corporation. (See Haines, George D., assignor.)

Porcelier Manufacturing Company. (See Beatty, Thomas W., assignor.)

Porcelier Manufacturing Company. (See Dym, Emanuel, assignor.)

Porcello, Raphael, Richmond Hill, N. Y. Portable electric hand saw. 1,881,295; Oct. 4.

Porcello, Raphael, Richmond Hill, N. Y. Wheeled device. 1,887,427; Nov. 8.

Porcello, Raphael, Richmond Hill, N. Y. Baby carriage quilt holding device. 1,888,180; Nov. 15.

Porel, Jan, assignor to M. Well, New York, N. Y. Clock case. Des. 86,055; Jan. 19.

Porel, Jan, assignor to M. Well, New York, N. Y. Clock case. Des. 86,056; Jan. 19.

Porel, Jan, assignor to M. Well, New York, N. Y. Clock case. Des. 86,057; Jan. 19.

Poret, Edouard, Calais, France. Lace. Des. 86,973; May 17.
Poret, Edouard, Calais, France. Lace. Des. 86,974; May 17.
Poret, Edouard, Calais, France. Lace. Des. 86,975; May 17.
Porete Mfg. Co. (See Walter, E., and Koehler, assignors.)
Pormann, Bertha, Union City, N. J. Combination curtain and shade holder. 1,873,028; Aug. 23.
Porritt, Benjamin D., and T. R. Dawson, assignors to The Research Association of British Rubber Manufacturers, Croydon, England. Preservative coatings for goods of rubber or like substances. 1,854,601; Apr. 19.
Porsche, Ferdinand, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Vacuum-operated brake system. 1,849,113; Mar. 15.
Porsche, Ferdinand, Steyr, Austria, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Dynamo-electric driving set for vehicles. 1,850,769; Mar. 22.
Porsche, Ferdinand, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. High speed Diesel oil engine. 1,891,010; Dec. 13.
Port, Samuel, New York, N. Y. Combination blade holder. 1,850,121; Mar. 22.
Portable Air Hammer Company, Inc. (See Campbell, James C., assignor.)
Portail, Fernand C. F., assignor to Societe Anonyme Le Carbone, Gennevilliers, France. Converting by catalysis mineral and vegetable oils. 1,842,197; Jan. 19.
Porte, Frederick L., Utica, N. Y. Polishing cloth and making the same. 1,850,413; Mar. 22.
Porte, Henri, Paris, assignor to Societe Hardoll, Etablissements Haviveau, Dolimier et Rene Porte & Cie. Reunis, Levallois-Perret, France. Apparatus for delivering measured quantities of liquids. 1,845,215; July 26.
Portela, Gus, Afton, Wyo. Brooder. 1,891,838; Dec. 20.
Porter, Alexander W., Atlantic City, N. J. Serving tray. Des. 87,632; Aug. 30.
Porter-Cable Machine Company. (See Emmons, Arthur N., assignor.)
Porter-Cable Machine Company, Inc., The. (See Emmons, Arthur N., assignor.)
Porter, Clarence H., Washington, D. C. Refrigerating apparatus. 1,885,139; Nov. 1.
Porter, Everett M., Brooklyn, assignor to International Projector Corporation, New York, N. Y. Film reel to facilitate film threading. 1,856,112; May 3.
Porter, Harry R., Port Jefferson, N. Y. Automatic variable speed mechanism. 1,867,590; July 19.
Porter, Frank, Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Decomposition of hydrocarbons. 1,874,801; Aug. 30.
Porter, George M., New York, N. Y. Storage magazine. 1,851,890; Oct. 18.
Porter, Gilbert E., Alma, Mich., assignor to Truck Equipment Co. Inc., Buffalo, N. Y. Third axle attachment. 1,855,868; Apr. 26.
Porter, Graham L., Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Electric transformer. 1,891,178; Dec. 13.
Porter, H. K., Inc. (See Eyre, John J., assignor.)
Porter, H. K., Inc. (See Eyre, J. J., and Porter, assignors.)
Porter, H. K., Inc. (See Porter, Henry W., assignor.)
Porter, Harry T., Riverside, Ill., assignor to S. Morgan Smith Company, York, Pa. Surge tank for water pipe lines. 1,863,728; June 21.
Porter, Henry W. (See Eyre, J. J., and Porter.)
Porter, Henry W., Brooklinc, assignor to H. K. Porter, Inc., Everett, Mass. Cutting tool. 1,862,033; June 7.
Porter, Henry W., Brookline, Mass., assignor to H. K. Porter, Inc. Cutting tool. 1,874,616; Aug. 30.
Porter, Howard C. (See Page, E. S., and Porter.)
Porter, J. E., Corporation. (See Ferrell, Daniel D., assignor.)
Porter, James F., Yonkers, and G. Marx, assignors to The Western Union Telegraph Company, New York, N. Y. Automatic tape cut-off. 1,859,165; May 17.
Porter, James R., Wantage, England. Aeronautical machine. 1,862,803; June 14.
Porter, John M., and G. W. Handy, Elizabeth, assignors to Structural Gypsum Corporation, Linden, N. J. Cleanine mold parts. 1,885,287; Nov. 1.
Porter, Kirk E., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Percolator steam lip. 1,841,150; Jan. 12.
Porter, Leslie F., Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New, York, N. Y. Telephone exchange system. 1,840,368; Jan. 12.
Porter, Murray W., Wimbledon, and E. Needham, Los Angeles, Calif. Making colloidal silica. 1,872,183; Aug. 16.
Porter, Robert H. (See Herzstein, M., and Porter.)
Porter, Roy R., Fort Lee, N. J. Lavatory. 1,841,053; Jan. 12.
Porter, Willard E., Swampscott, Mass., assignor to General Electric Company. Time switch. 1,860,159; May 24.
Porter, Willard E., Swampscott, Mass., assignor to General Electric Company. Time switch. 1,891,946; Dec. 27.
Porter, Wilfred L., Reading, Mass. Bracket. 1,889,452; Nov. 29.
Porter, William J., Chattanooga, Tenn. Signal switch. 1,877,963; Sept. 20.
Porter, Wilson E. (See Whitehead, R. H., and Porter.)
Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Electric clock. 1,882,891; Oct. 18.
Porth, Henry W., assignor to Burgess Battery Company, Madison, Wis., Dry cell. 1,839,493; Jan. 5.
Portland Feed Mills Company. (See Pollock, William, assignor.)
Portland Stove Foundry Co. (See Lawrence, Franklin, assignor.)
Ports, Earl G. (See Miller, H. P., and Ports.)
Ports, Earl G., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio communication system. 1,844,973; Feb. 16.
Portunondo, Aurelio, Felton, Cuba, assignor to Bethlehem Steel Company. Lifting tongs. 1,840,329; Jan. 12.
Porwancher, Samuel. (See Russell, B. B., and Porwancher.)
Porzel, Joseph. (See Smith, Herman W., jr., assignor.)
Porzellanfabrik C. M. Hutschenreuther A. G. (See Merk, August, assignor.)
Porzellanfabrik Kahla Zweigniederlassung Freiberg. (See Michel, Max, assignor.)
Porzellanfabrik Wrieden Gebr. Bauscher. (See Achtziger, Christoph, assignor.)
Posentup, Heinrich, Munster, Germany. Adjustable fish plates engaging the rail ends. 1,856,358; May 3.
Poser, Max, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope illuminating means. 1,860,430; May 31.
Posey, Alfred W., Ventura, Calif. Drill pipe tong assembly. 1,888,770; Nov. 22.
Posey, Otto L., Somerton, Ariz. Land scraper. 1,844,229; Feb. 9.
Posgate, James L., assignor to H. J. S. Dennison, as trustee, Toronto, Ontario, Canada. Device for cleaning tape lines. 1,876,744; Sept. 13.
Posner, Jennie, Plainfield, N. J. Bookmarker. 1,872,807; Aug. 23.
Posner, Rudolph H., et al. (See Krause, Paul, assignor.)
Pospeshil, Joseph B. (See McTaggart, J. H., and Pospeshil.)
Pospishil, Joseph, Bloomfield, N. J., assignor to Lauter-Humana Co. Piano lift or similar article. Des. 87,355; July 12.
Post, Albert H., Waterbury, Conn., assignor to Henry Hyman, Brooklyn, N. Y. Flash light plug. 1,857,604; May 10.
Post, Claude L., Chicago, Ill. Feeding mechanism. 1,854,221; Apr. 19.
Post, Claude L., Chicago, Ill. Type roll. 1,881,925; Oct. 11.
Post, Claude L., Chicago, Ill. Sheet feeding mechanism. 1,881,926; Oct. 11.
Post, Ernest K., Collingswood, N. J. Pipe carrier support. 1,845,183; Feb. 16.
Post, Frank B., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. Des. 87,356; July 12.
Post, Frank B., Los Angeles, Calif. Recorder. 1,875,653; Sept. 6.
Post, Georgia A., Forest Hills, N. Y. Combined shaving brush and razor. Des. 86,685; Apr. 5.
Post, Georgiana W., executrix. (See Post, Loren M.)
Post, Loren M., deceased; G. W. Post, Detroit, Mich., executrix. Portable bleacher construction. 1,839,410; Jan. 5.
Post, Raymond W., Van Nuys, Calif. Folding boat. 1,886,499; Nov. 1.
Post, William M., Hood River, Oreg. Combination denture press and vulcanizer. 1,843,173; Feb. 2.
Postal Telegraph-Cable Company. (See Halliden, Frederick G., assignor.)
Poster Parts Company. (See Bell, William R., assignor.)
Postergraph, Inc. (See Glaser, Rudolph A., assignor.)
Posthumus, Klaas. (See Bol, C., Posthumus, Unk, and Mors.)
Posthumus, Klaas. (See Holst, G., van der Pol, and Posthumus.)
Posthumus, Klaas. (See van der Pol, B., and Posthumus.)
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Resistance-coupled amplifier. 1,844,177; Feb. 9.
Postindex Company. (See Carlson, T. R., and Gronberg, assignors.)
Postindex Company. (See Gronberg, Victor, assignor.)
Postley, Sanford, Los Angeles, Calif. Tile scoring and breaking device. 1,873,721; Aug. 23.
Poston, Emmett V., Springfield, Ill. Manufacturing light weight aggregates and structural blocks formed thereof 1,842,048; Jan. 19.
Poston, Richard W. (See Scovel, Thomas L., assignor.)
Pot, Arthur, assignor of forty-nine one hundredths to W. S. Jennings, New York, N. Y., and fifty-one one hundredths to H. J. Levell, Mount Vernon, N. Y. Apparatus for applying heat for therapeutic and other purposes. 1,875,261; Aug. 30.

Potdevin, Adolph, Garden City, L. I., assignor to Potdevin Machine Company, Brooklyn, N. Y. Printing roller. 1,851,291; Mar. 29.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Printing mechanism. 1,851,324; Mar. 29.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Paste fountain. 1,856,853; May 3.

Potdevin, Adolph, Garden City, Long Island, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 1,860,748; May 31.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 1,873,634; Aug. 23.

Potdevin Machine Company. (See Hunziker, Paul, assignor.)

Potdevin Machine Company. (See Potdevin, Adolph, assignor.)

Potenza, Franklin D., Park Ridge, assignor to Floyd Manufacturing Company, Chicago, Ill. Electric paint softener. 1,851,241; Oct. 4.

Potez, Henry C. A., Meaulte, Somme, France. Metal built aircraft. 1,881,296; Oct. 4.

Potlatch Forests, Inc. (See Bowling, Robert T., assignor.)

Potlatch Forests, Inc. (See Prentiss, Spencer W., assignor.)

Pott, Alfred, and Hans Broche, Essen-Ruhr, Germany. Hydrogenerating solid carbonaceous material, particularly solid fuels such as coal. 1,881,927; Oct. 11.

Pottenger, Francis M., jr., Monrovia, Calif. Sprinkling system. 1,855,647; Apr. 26.

Pottenger, Francis M., jr., Monrovia, Calif. Combined valve and air-tight cushion for bottled water dispensers. 1,882,939; Oct. 11.

Potter, A. C., & Co., Limited. (See Potter, Arthur C., assignor.)

Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Weather strip for vehicle windshields. 1,852,675; Apr. 5.

Potter, Albert T., assignor, by mesne assignments, to Ainsworth Manufacturing Corporation, Detroit, Mich. Windshield operator. 1,886,583; Nov. 8.

Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Company. Corner construction for frames. 1,891,778; Dec. 20.

Potter, Arthur, Crawley, assignor to A. C. Potter & Co., Limited, Grantham, England. Deep well pump. 1,868,110; July 19.

Potter, Charles P. (See Wulfert, O., and Potter.)

Potter, Clarence H., Orange, N. J. Self service locker. 1,842,289; Jan. 19.

Potter Company, The. (See Potter, Earl F., assignor.)

Potter, Dorothy L. (See Wolfson, J., and Potter.)

Potter, Earl C., et al. (See Clark, Harry E., assignor.)

Potter, Earl F., Waukegan, assignor to The Potter Company, North Chicago, Ill. Terminal. 1,885,477; Nov. 1.

Potter, Floyd J. (See Archibald, J. J., and Potter.)

Potter, Frank H. T. (See Harris, Alexander B. B., assignor.)

Potter, Frank M., Rome, assignor to General Cable Corporation, New York, N. Y. Applying heat to the coverings of electrically conductive cores. 1,876,745; Sept. 18.

Potter, Frank M., and C. E. Traxel, Rome, assignors to General Cable Corporation, New York, N. Y. Method of and apparatus for serving strands. 1,891,194; Dec. 13.

Potter, Fred J., Company. (See Potter, Frederick J., assignor.)

Potter, Frederick D., Linden, N. J. Electrical control system. 1,860,003; Nov. 29.

Potter, Frederick D., Linden, N. J., assignor to Combustion Control Company, Inc., New York, N. Y. Furnace combustion control system. 1,849,638; Mar. 15.

Potter, Frederick J., assignor to Fred J. Potter Company, New Brunswick, N. J. Knitting needle. 1,860,788; May 31.

Potter, Frederick J., assignor to Fred J. Potter Company, New Brunswick, N. J. Knitting needle. 1,861,358; May 31.

Potter, Howard M., Youngstown, Ohio. Holder for pot or other flowers. Des. 85,967; Jan. 5.

Potter, John A., Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat exchange apparatus. 1,884,209; Oct. 25.

Potter, John A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat exchanger. 1,884,210; Oct. 25.

Potter & Johnston Machine Company. (See Curtis, Myron S., assignor.)

Potter, Le Roy C., Salt Lake City, Utah. Cooling system. 1,855,824; Apr. 26.

Potter Manufacturing Corporation. (See Downes, Ralph W., assignor.)

Potter, Myron P., Cleveland Heights, Ohio. Access door. 1,871,342; Aug. 9.

Potter, Nathan D., Enfield, Mass. Camera support. 1,878,320; Sept. 20.

Potter, Paul D., and R. T. Metzger, Winnetka, assignors to Sprague, Warner & Company, Chicago, Ill. Producing a beverage syrup tea. 1,854,062; Apr. 12.

Potter, Ralph K., Morris, N. J., assignor to American Telephone and Telegraph Company. Producing musical sounds. 1,848,222; Mar. 8.

Potter, Raymond M., Douglas, Ariz. Flue control. 1,849,114; Mar. 15.

Potter, Robert R. (See Klumpp, C. S., and Potter.)

Potter, Thomas I., Portland, Oreg. Pump for refrigerating machines. 1,841,499; Jan. 19.

Potter, William, New York, N. Y. Device for setting the edges of scrapers. 1,855,587; Apr. 26.

Potter, William F., St. Cloud, Minn. Signal. 1,855,689; Apr. 26.

Potter, William W. (See Daly, Frank A., assignor.)

Potter, William W., Pawtucket, R. I. Spindle bearings for machine tools. 1,846,812; Feb. 23.

Potter, William W., Pawtucket, R. I. Automatic metal turning lathe. 1,881,928; Oct. 11.

Pottern, George, Springfield, Mass. Hygienic collar strip container for attachment to barbers' chairs. 1,866,370; July 5.

Potthoff, Gerard T. (See Potthoff, Kurt T., assignor.)

Potthoff, Kurt T., assignor of one-half to G. T. Potthoff, Brooklyn, N. Y. Booth door. 1,854,222; Apr. 19.

Potts, Clarice J., Winfield, Kans. Automatic windmill control. 1,861,027; May 31.

Potts, James, London, England. Gear or gearing. 1,859,528; May 24.

Potts, John, assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,881,930; Oct. 11.

Potts, Louis M. (See Gent, E. W., and Potts.)

Potts, Louis M., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 1,865,136; June 28.

Potts, Louis M., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. System for causing impulses to control the production of impulses of different frequency. 1,882,852; Oct. 18.

Potts, Louis M., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture camera. 1,882,893; Oct. 18.

Potts, Loys C., and O. F. Bourne, Oklahoma City, Okla. Portable apparatus for spraying vegetables. 1,859,935; May 24.

Potts, Morton E. (See Potts, Winnie L. and M. E.)

Potts, Winnie L. and M. E., Parsons, Kans. Burial vault. 1,860,266; May 24.

Pottsgrove, Philip N., Altoona, Pa. Agitator. 1,886,118; Nov. 1.

Pouchain, Adolfo, Turin, Italy. Electric accumulator. 1,887,167; Nov. 8.

Pouget, Louis M., Vallieres, France. Device for forming infusions. 1,843,241; Feb. 2.

Pouliot, Wilfred A., Lowell, Mass. Safety wrench. 1,860,871; May 31.

Poulsen, Arnold, Hellerup, and A. C. G. Petersen, Copenhagen, Denmark. Device for recording of sound. 1,857,569; May 10.

Poulson, Vernon S., Ogden City, Utah. Clothing bag. 1,879,476; Sept. 27.

Poulton, Gerald, Bromley, England. Loose leaf binder or filing cover. 1,878,321; Sept. 20.

Pounder, Donald W. (See Chapman, W. H., Pounder, and Murphy.)

Pounder, Wilbur R., assignor to Hubbard & Co., Chicago, Ill. Anchor. 1,879,189; Sept. 20.

Poundstone, William W., Charlerol, Pa., assignor to Pittsburgh Plate Glass Company. Making optical disks. 1,860,218; May 10.

Pouvalismith Corporation. (See Smith, Grant E., assignor.)

Pouvalismith Corporation. (See Smith, G. E., and Morgan, assignors.)

Poux, Noel J., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,859,572; May 24.

Poux, Noel J., assignor to Lion Fastener, Inc., Meadville, Pa. Separable fastener. 1,863,335; June 14.

Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. Separable fastener. 1,864,614; June 28.

Povalski, Bernard J., Jersey City, N. J., assignor to Fedco System, Inc. Anchorage for identification plates. 1,847,444; Mar. 1.

Powdrell & Alexander, Inc. (See Perkins, George H., assignor.)

Powell, Alan R., Amersham, and E. C. Deering, Barnet, assignors to Johnson Matthey & Company Limited, London, England. Treatment of ores, metallurgical products, residues, and the like, for the recovery of platinum metals. 1,841,207; Jan. 12.

Powell, Alfred F., Walnut Park, Calif. Well drilling bit. 1,854,624; Apr. 19.

Powell, Alfred F., assignor of one-half to H. H. Holdaway, Long Beach, Calif.; H. N. Holdaway administratrix of said H. H. Holdaway, deceased. Rock drilling bit. 1,854,623; Apr. 19.

Powell, Alvin, Cuthbert, Ga. Fish lure. 1,863,125; June 14.

Powell, Benjamin F., assignor to Thompson Mfg. Company, Denver, Colo. Convertible gas furnace construction. 1,865,045; June 28.

Powell, Clarence H., assignor to Hudson Motor Car Company, Detroit, Mich. Oil pump. 1,843,733; Feb. 2.

Powell, Clarence H., assignor to Hudson Motor Car Company, Detroit, Mich. Overdrive transmission. 1,881,981; Oct. 11.

Powell, Edward, Portland, and M. E. Wilson, Marshfield, Oreg. Brush. 1,852,189; Apr. 5.

Powell, Edward R. (See Maccallum, J., jr., and Powell.)

Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Insulated wall structure. 1,848,272; Mar. 8.

Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Continuous predetermined characteristic strip apparatus. 1,864,317; June 21.

Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Forming belt baking insulation blocks. 1,881,932; Oct. 11.

Powell, Edward V., Arlington, Mass. Saxophone. 1,854,241; Feb. 23.

Powell, Edward V., Arlington, Mass. Support for saxaphones and similar musical instruments. 1,891,947; Dec. 27.

Powell, Edwin L., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Radio receiving apparatus. 1,875,140; Aug. 30.

Powell, Elmer J., assignor to The Powell Pressed Steel Company, Hubbard, Ohio. Tiering lug. 1,875,141; Aug. 30.

Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Visible index. 1,851,645; Mar. 29.

Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Frame and index tab therefor. 1,854,807; Apr. 19.

Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Visible index and visible record system. 1,867,710; July 19.

Powell, George G., New York, N. Y. Dredge. 1,839,929; Jan. 5.

Powell, George G., New York, N. Y. Trench excavator for digging and preparing trenches. 1,846,902; Feb. 23.

Powell, George R., Rosemont, Pa. Vehicle braking system. 1,887,428; Nov. 8.

Powell, Gomert, Michigan City, Ind., assignor, by mesne assignments, to Friedman Car & Manufacturing Corporation. Axle burnishing machine. 1,862,516; June 7.

Powell, Gomert, Michigan City, Ind., assignor, by mesne assignments, to Friedman Car & Manufacturing Corporation. Material transferring mechanism. 1,884,211; Oct. 25.

Powell, Herbert S., Utica, N. Y. Sheet metal bending machine. 1,890,588; Dec. 13.

Powell, Hoy L. (See Partlow, J. P., and Powell.)

Powell, Hugh A., Reading, assignor to Cochrane Corporation, Philadelphia, Pa. Water heating and deaerating apparatus. 1,840,526; Jan. 12.

Powell, Hugh A., Reading, assignor to Cochrane Corporation, Philadelphia, Pa. Water heating and deaerating apparatus. 1,862,607; June 14.

Powell, John R. (See Bausch, W., and Powell.)

Powell, Laurence, Columbus, assignor to The Salem Tool Company, Salem, Ohio. Apparatus for distributing comminuted material. 1,881,933; Oct. 11.

Powell, Leonard E., Kalamazoo, Mich. Ring. 1,864,318; June 21.

Powell, Marian F., Palatka, Fla. Candle holder. 1,879,477; Sept. 27.

Powell Pressed Steel Company. (See Powell, Elmer J., assignor.)

Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Finishing the edge of a material. 1,871,278; Aug. 9.

Powell, Simeon, et al. (See Miner, Charles R., assignor.)

Powell, Thomas F., Retsil, Wash. Deodorant burner. 1,849,203; Mar. 15.

Powell, W. B., et al. (See Hamilton, S. A. B., and Lausen, assignors.)

Powell, William B. (See Smith, E., and Powell.)

Powell, William B., assignor to Appleford Paper Products Limited, Hamilton, Ontario, Canada. Container for paper rolls. 1,847,896; Mar. 1.

Powell, William H., Mullica Hill, N. J. Apparatus and process for making window sheet or flat glass. 1,881,327; Oct. 4.

Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radio receiving system. 1,876,637; Oct. 25.

Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Call distributing telephone system. 1,861,754; June 7.

Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Control means for mooring masts. 1,853,081; Apr. 12.

Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Self-stabilizing airship. 1,853,082; Apr. 12.

Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Rudder control means for airships. 1,853,145; Apr. 12.

Powelson, Wilfrid V. N., and W. Travell, New York, N. Y. Airship. 1,853,376; Apr. 12.

Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Method of and apparatus for berthing airships. 1,853,777; Apr. 12.

Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Launching aircraft. 1,887,860; Nov. 15.

Power, Claude E., Huntington Park, Calif. Delinting machine for cotton seed and process. 1,872,002; Aug. 16.

Power Gas Corporation Limited, The. (See Rambush, Niels E., assignor.)

Power, Laurence E., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Resistor unit and forming the same. 1,845,811; Feb. 16.

Power, Laurence E., Milwaukee, assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Insulating composition. 1,878,178; Sept. 20.

Power, Michael J., Nekoosa, Wis. Press. 1,884,212; Oct. 25.

Power, Richard F. (See Thomas, A., and Power.)

Power, Richard F., Hampstead, London, assignor to Morland and Impey Limited, Northfield, Birmingham, England. Folded stationery adapted to be bound in book form. 1,853,223; Apr. 12.

Power, Robert W., Shubert, Neb. Work support for welding operations. 1,875,761; Sept. 6.

Power, Thomas J., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Cylinder for washing machines and the like. 1,870,925; Aug. 9.

Powerplus (1927) Limited. (See Eyston, George E. T., assignor.)

Powers & Company. (See Powers, Frank M., assignor.)

Powers, Cornelius R., and L. M. Koubek, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Decalcomania transfer sheet. Des. 88,671; Dec. 13.

Powers, Donald H. (See Darling, J. F., and Powers.)

Powers, Donald H., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber product and preparing same. 1,850,135; Mar. 22.

Powers, Donald H., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Accelerator compound and preparing same. 1,850,136; Mar. 22.

Powers, Donald H., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber product and preparing same. 1,882,035; Oct. 11.

Powers, Frank M., assignor to Powers & Company, Chicago, Ill. Tent window. 1,858,014; Nov. 15.

Powers, Frank T., Youngstown, N. Y. Etcher slide. 1,861,161; May 31.

Powers, George G., Winnetka, and L. J. Sieger, Cicero, assignors to Union Bed and Spring Company, Chicago, Ill. Bedspring. 1,862,905; June 14.

Powers, George H., Gloucester, Mass. Communication carrier for undersea cables. 1,859,791; May 24.

Powers, George S., assignor of one-half to E. Ventre, Opelousas, La. Protective system for motion picture machines. 1,859,790; May 24.

Powers, George V., Oklahoma City, Okla. Collapsible joint for drill stems. 1,882,894; Oct. 18.

Powers, George W., Cleveland, Ohio. Cribbing. 1,884,854; Oct. 25.

Powers, Henry L. (See Hartman, S. H., and Powers.)

Powers, Herman, Bayonne, N. J. Printing furniture. 1,866,223; July 5.

Powers, Howard C., assignor to Glascraft Corporation, Niagara Falls, N. Y. Bracket for signs and the like. 1,866,723; July 12.

Powers, James H., Yeadon, Pa., assignor to General Electric Company. Mounting for flexible conductors. 1,848,837; Mar. 8.

Powers, Joseph J., Roosevelt, assignor of one-twentieth to W. J. Steele, Baldwin, N. Y. Perambulator. 1,890,469; Dec. 13.

Powers, Milton A. (See Alden, H. W., and Powers.)

Powers, Milton A., assignor to The Timken-Detroit Company, Detroit, Mich. Hearth for oil burning furnaces. 1,842,049; Jan. 19.

Powers, Milton A., assignor to The Timken-Detroit Company, Detroit, Mich. Burner control mechanism. 1,848,838; Mar. 8.

Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Combined oil and gas burner. 1,885,478; Nov. 1.

Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Liquid fuel burner ignition. 1,888,692; Nov. 22.

Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Rotary oil burner. 1,888,693; Nov. 22.

Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Electric ignition for fluid fuel burners. 1,888,694; Nov. 22.

Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Oil burner ignition device. 1,888,695; Nov. 22.

Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Igniter. 1,890,862; Dec. 13.

Powers, Milton F., Winchester, Mass. Tool head, handle therefor, and handle-attaching means. 1,851,111; Mar. 29.

Powers, Milton F., Winchester, Mass. Hand tool. 1,851,112; Mar. 29.

Powers, Paul O. (See Van Romaine, E., Weiland, Powers, and Palmer.)

Powers, Paul V., Steubenville, Ohio. Shield. 1,841,054; Jan. 12.

Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
Powers, Thomas F., Torrance, Calif. Preheating furnace. 1,865,954; July 5.
Powis, Richard, assignor to Houde Engineering Corporation, Buffalo, N. Y. Welding. 1,883,934; Oct. 11.
Powis, Richard, assignor to Houde Engineering Corporation, Buffalo, N. Y. Locking key. 1,881,935; Oct. 11.
Powyszynski, Frank, Chicago, Ill. Shoe heel clamp. 1,863,166; June 14.
Poyer, Guy R., Wichita, Kans. Connecting rod assembly. 1,882,992; Oct. 11.
Poyner, Howard H., Oklahoma City, Okla. Apparatus for holding coil springs while lacing. 1,864,216; June 21.
Pracny, John B., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Machine for making cap screw blanks. 1,885,288; Nov. 1.
Pracny, John B., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Metal heading machine. 1,889,004; Nov. 29.
Prager Co. (See Ericson, Emile, assignor.)
Prager Co. (See Martinek, Alexander, assignor.)
Prager, Hens, Annaberg, Germany, assignor to General Electric Company. Electric snap switch. 1,892,537; Dec. 27.
Prager, Herman A., and J. Deinet, Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Colors of the anthracene blue series. 1,845,623; Feb. 16.
Pragerstorfer, Anton S., Vienna, Austria. Band saw blade guide. 1,870,970; Dec. 27.
Prajer, Vaclav, Gardnerville, Nev. Drill and pipe pulling machine. 1,855,116; Apr. 19.
Prange, Dillen H. See Prange, Maurice N., assignor.)
Prange, Maurice N., assignor to E. M. Prange, Detroit, Mich. Hone. 1,886,584; Nov. 8.
Prank, August S., Baltimore, Md. Dirigible air dock. 1,867,591; July 19.
Pranke, Edward J., Bayside, N. J. Producing cyanids. 1,852,856; Apr. 5.
Prantl, Franz, Baden, Switzerland. Electric vehicle drive. 1,853,283; Apr. 12.
Prantl, Franz, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric locomotive speed control system. 1,873,979; Aug. 30.
Prantl, Louis, Rochester, N. Y. Flower box. 1,858,902; May 31.
Prat-Daniel Corporation. (See Whiton, Louis C., jr., assignor.)
Prather, Thomas P., and E. C. Marlowe, Lexington, Ky. Box. 1,862,980; June 14.
Pratt, Albert W., Opelika, Ala. Portable lumber mill. 1,842,114; Jan. 19.
Pratt, Benjamin H., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cross link for tire chains. 1,872,003; Aug. 16.
Pratt Chuck Co., The. (See Scarritt, Winthrop T., assignor.)
Pratt, Frank M., New York, N. Y. Indicating device. 1,859,750; May 24.
Pratt, Frederick J., Ferndale, Mich. Grinding gauge. 1,890,827; Dec. 13.
Pratt, George D., and H. C. Guillaume, assignors to G. L. Daniels and R. Daniels, Chicago, Ill. Trailer. 1,887,325; Nov. 8.
Pratt, George W., Oakland, Calif. Handcuff. 1,856,427; May 3.
Pratt, George W., Oakland, Calif. Handcuff. 1,890,748; Dec. 13.
Pratt, Goodrich B., assignor to Bond Electric Corporation, Jersey City, N. J. Flashlight safety switch. 1,860,842; May 31.
Pratt, Goodrich B., assignor to Bond Electric Corporation, Jersey City, N. J. Flashlight safety switch. 1,886,423; Nov. 8.
Pratt, Goodrich B., Grantwood, assignor to Bond Electric Corporation, Jersey City, N. J. Flash light switch. 1,869,315; July 26.
Pratt, Henry C., assignor to The B. F. Nelson Manufacturing Company, Minneapolis, Minn. Carton. 1,889,933; Dec. 6.
Pratt, Henry W., Jersey City, N. J., assignor to William H. Lutton Company. Hanger for slat shades. 1,858,684; May 17.
Pratt, Henry W., Jersey City, N. J., assignor to William H. Lutton Company. Slat shade. 1,861,718; June 7.
Pratt, Jabez H., and F. B. Hunt, assignors, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Cooler cabinet. 1,846,039; Feb. 23.
Pratt-Low Preserving Company. (See Gavin, William H., assignor.)
Pratt, Raymond C., Chicago, Ill. Automobile condenser. 1,884,813; Oct. 25.
Pratt & Whitney Aircraft Company. (See Hasbrouck, Stephen A., assignor.)
Pratt & Whitney Aircraft Company, The. (See Hobbs, Leonard S., assignor.)
Pratt & Whitney Aircraft Company, The. (See King, A. H., and Ryder, assignors.)
Pratt & Whitney Company. (See Drake, Alden M., assignor.)
Pratt & Whitney Company. (See Drake, A. M., and Crowey, assignors.)
Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
Pratt & Whitney Company. (See Hoagland, F. O., and Wilder, assignors.)
Pratt & Whitney Company. (See Johnson, Charles G., assignor.)
Pratt & Whitney Company. (See Keller, Joseph F., assignor.)
Pratt & Whitney Company. (See Krause, William, assignor.)
Pratt & Whitney Company. (See Krueger, Henry R., assignor.)
Pratt & Whitney Company. (See Shaw, J. C. and R. D.)
Pratt, William B., Wellesley, assignor to Beckwith Manufacturing Company, Boston, Mass. Box toe. 1,840,603; Jan. 12.
Pratt, William B., Wellesley, and R. T. Halstead, Boston, Mass., assignors to Dispersions Process, Inc., Dover, Del. Dissolving and dispersing nitrocellulose. 1,870,864; Aug. 9.
Pratt, William E., Chicago, assignor to William E. Pratt Manufacturing Company, Joliet, Ill. Live decoy halter. 1,879,991; Sept. 27.
Pratt, William E., Manufacturing Company. (See Pratt, William E., assignor.)
Pratt, William E., Mfg. Co., The. (See Tyler, William C., assignor.)
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electric terminal box. 1,847,897; Mar. 1.
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Demand meter. 1,863,414; June 14.
Praturlon, Emilio, Redwood City, Calif. Circuit breaker for fire alarms. 1,849,551; Mar. 15.
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,881,936; Oct. 11.
Prazak, Emil, Elizabeth, N. J. Machine for extracting threads from woven fabrics. 1,886,585; Nov. 8.
Prechtel, Ludwig, assignor to Maschinenfabrik Augsburg-Nurnberg A.-G., Nuremberg, Germany. Safety device for two-stroke cycle gas engines. 1,846,654; Feb. 23.
Precision Castings Company. (See During, William J., assignor.)
Precision Castings Company. (See During, W. J., and Lester, assignors.)
Precision Castings Company, Inc. (See Lester, Nathan, assignor.)
Precision Electrotype Company. (See Rich, Neville J., assignor.)
Precision Machine Co., The. (See Dina, Augusto, assignor.)
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
"Precision Moderne". (See Le Prieur, Y. M. P. G., and Ricordel, assignors.)
Precourt, Ernest W., Phillipsburg, N. J. Advertising device. 1,869,276; July 26.
Preferred Oil Burners, Inc. (See Aldrich, Loyd I., assignor.)
Preferred Utilities Manufacturies Corporation. (See Lake, Harry E., assignor.)
Preisig, Albert C., assignor to Keystone Bros., San Francisco, Calif. Boy's pistol holster. Des. 86,635; Mar. 29.
Preisig, Albert C., assignor to Keyston Bros., San Francisco, Calif. Boy's pistol holster. Des. 86,636; Mar. 29.
Preisner, Jacob S., New Haven, Conn. Fret-bar for use in playing stringed instruments. Des. 87,593; Aug. 16.
Preleuthner, Julius, New York, N. Y. Mechanical stirrer. 1,862,906; June 14.
Premier Electric Company. (See Doak, Robert S., assignor.)
Premier Electric Heater Limited. (See Newton, Albert E., assignor.)
Premier Rose Gardens, Consolidated. (See Hjermind, Niels W., and Weiss, assignors.)
Premium Cap Company. (See Rabushka, Hyman, assignor.)
Premuro, Anton, St. Michael, Pa. Chimney cleaning apparatus. 1,859,166; May 17.
Prenszner, Stephen, Clifton, N. J. Clock mechanism. 1,874,348; Aug. 30.
Prentiss, Allan L., Cleveland, Ohio, assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe key. 1,886,734; Nov. 8.
Prentice, Allan L., Cleveland Heights, and S. G. Buckett, East Cleveland, Ohio, and C. C. Dibble, Indianapolis, Ind. Apparatus for surfacing railway journal box wedges. 1,865,955; July 5.
Prentice, Earl, assignor to Johnson Bronze Company, New Castle, Pa. Forming oil grooved bushings. 1,847,099; Mar. 1.
Prentice, G. E., Manufacturing Company. (See Legat, Robert C., assignor.)
Prentice, George E., Berlin, Conn. Locking slider for fasteners. 1,890,749; Dec. 13.
Prentice, James, Miami, Fla. Internal combustion engine. 1,869,077; July 26.
Prentice, James M., Holyoke, Mass. Electrically operated amusement and educational device. 1,881,242; Oct. 4.

Prentice, William G., Indianapolis, Ind., assignor to The Elite Manufacturing Company, Ashland, Ohio. Tire machine. 1,863,764; June 21.
Prentice, William G., North Plainfield, N. J., and F. B. Copeland, assignors to The Elite Manufacturing Company, Ashland, Ohio. Tire machine. 1,853,146; Apr. 12.
Prentice, William G., Indianapolis, Ind., and F. B. Copeland, assignors to The Elite Manufacturing Company, Ashland, Ohio. Tire spreading machine. 1,886,834; Nov. 1.
Prentis, Henning W., jr. (See Humphreys, C. F., and Prentis.)
Prentis, Joseph N., assignor to General Motors Corporation, Detroit, Mich. Emergency brake hook-up. 1,861,028; May 31.
Prentiss, Spencer W., Wellesley, Mass., assignor to Potlatch Forests, Inc., Lewiston, Idaho. Digesting wood. 1,892,409; Dec. 27.
Prentiss-Wabers Products Co. (See Yeager, Anton J., assignor.)
Prenzel, Adam H., Halifax, Pa. Laundry iron. 1,859,167; May 17.
Preparation Industrielle des Combustibles, Societe Anonyme. (See Demonceaux, Pierre A. H., assignor.)
Preparation Industrielle des Combustibles (Societe Anonyme). (See Wolf, Christian, assignor.)
Prescott, Arthur T., assignor to J. Edward Ogden Company, Inc., East Orange, N. J., Door construction and operating mechanism therefor. 1,871,081; Aug. 9.
Prescott, Charles W., Mill Hill, England, assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for railroads. 1,840,250; Jan. 5.
Prescott, Charles W., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system. 1,854,602; Apr. 19.
Prescott Company, The. (See Langill, Ross E., assignor.)
Prescott Company, The. (See Langill, R. and S. B., assignors.)
Prescott Company, The. (See Langill, R. E., and Grueter, assignors.)
Prescott, Edwin M., Fresno, Calif. Unloading and elevating device. 1,848,657; Mar. 8.
Prescott, Frank B., Tacoma, Wash. Mercury condenser. 1,841,913; Jan. 19.
Prescott, Frank H., assignor to Delco-Remy Corporation, Anderson, Ind. Ventilating fan. 1,869,115; July 26.
Prescott, John O., Glenbrook, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Subway announcing apparatus. 1,870,294; Aug. 9.
Prescott, Sidney I., New York, N. Y. Tire rim and mount. 1,859,936; May 24.
Prescott, Sydney I., New York, N. Y., and F. J. Rummler, Lyndhurst, N. J. Wheel. 1,867,095; July 12.
Prescott, William E. (See MacFarlane, R. F., and Prescott.)
Press & Drier Co., The. (See Berrigan, J. B., and Harrington, assignors.)
Press & Drier Co., The. (See Berrigan, John B. and J. J., assignors.)
Pressed Steel Car Company. (See Kantenwein, Oscar E., assignor.)
Pressed & Welded Steel Products Company. (See Haskin, Walter B., assignor.)
Pressey, Sydney L., Columbus, Ohio. Examination device. 1,892,318; Dec. 27.
Pressprich, Albert W., Tecumseh, Kans. Road grader. 1,856,968; May 3.
Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company. Clip for retaining a pencil. 1,847,898; Mar. 1.
Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Chain. 1,854,857; Apr. 19.
Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company. Expansion bracelet. 1,869,615; Aug. 2.
Presto Corporation of America, et al. (See Larsen, Louis G., assignor.)
Prest-O-Lite Company, The. (See Young, Lloyd W., assignor.)
Prest-O-Lite Corporation. (See Shipp, Raymond D., assignor.)
Prest-O-Lite Storage Battery Corporation. (See Benner, R. C., and Werking, assignors.)
Presto Lock Corporation. (See Levine, Abraham, assignor.)
Presto Machine Products Company, et al. (See Larsen, Louis G., assignor.)
Presto Products Co. (See Abramson, Nathan, assignor.)
Preston, Arthur C., Wilbraham, and G. C. Gross, Springfield, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Me. Digesting nitrocellulose. 1,867,757; July 19.
Preston, Cecil H., Chatsworth, Calif. Ground for radios and the like. 1,856,506; May 3.
Preston, Clarence S., San Diego, Calif. Tire valve insert. 1,862,160; June 7.
Preston, Earl J., W. C. Fletcher, and A. W. Reynolds, jr., Princeton, W. Va.; said Fletcher assignor to said Preston. Lathe chuck. 1,851,403; Mar. 29.
Preston, Frank W., Butler, Pa. Apparatus for shaping plastic material. 1,864,319; June 21.
Preston, Frederick A., Lake Forest, assignor to The F & M Company, Chicago, Ill. The plate. 1,881,937; Oct. 11.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Furnace tuyère. 1,860,296; May 24.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Ash hopper. 1,882,445; Oct. 11.
Preston, John E. (See Sokolow, S., and Preston.)
Preston, John E., Newark, and S. Sokolow, Bergen, N. J., assignors of one-half to Cypress Novelty Corporation, Brooklyn, and one-half to N. D. Q. Specialty Corporation, New York, N. Y. Process and apparatus for manufacturing candle holders. 1,878,322; Sept. 20.
Preston, Maurice, Corporation. (See Engberg, Martin J., assignor.)
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,852,508; Apr. 5.
Preston, Thomas B. (See Rodenhorn, Frank, assignor.)
Prestwich, Ernest. (See Prestwich, Wright and E.)
Prestwich, Wright, and E. Prestwich, Lawrence, Mass. Wiping device. 1,866,862; July 12.
Pretsch, Frank, Philadelphia, Pa. Filter. 1,865,209; June 28.
Pretty, William C. (See Smith, Frederick W., assignor.)
Prettyman, Jacob H., assignor to The Fairfield Engineering Company, Marion, Ohio. Friction clutch mechanism. 1,839,600; May 5.
Preus, Paul A., Tacoma, Wash., assignor to Western Stamping & Manufacturing Company, Cleveland, Ohio. Highway sign. 1,885,941; Apr. 26.
Preuss, Alexander B., Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,855,416; Apr. 26.
Preusse & Co., Aktien-Gesellschaft. (See Ohlig, Fritz, assignor.)
Preussische Bergwerks- und Hütten-Aktiengesellschaft. (See Buchner, Karl, assignor.)
Prevost, Omar J., and F. Tanguay, Rumford, Me. Combination curtain and shade fixture. 1,867,985; July 19.
Preyer, Arthur E., Washington, D. C. Cord tire structure. 1,855,560; Apr. 26.
Pribil, Alexis R., Saginaw, Mich. Pressed steel ball bearing wheel. 1,848,144; Mar. 8.
Price, Earl E., Minneapolis, Minn. Silo closure. 1,841,381; Jan. 12.
Price, Edgar, Schenectady, N. Y., assignor to General Electric Company. Brake. 1,852,557; Apr. 5.
Price, Emil, and W. A. Pister, Los Angeles, Calif. Valve. 1,867,279; July 12.
Price, Frederick M. (See Cope, E. T., Parkinson, and Price.)
Price, Harold W., Elmhurst, assignor to Bragg-Kliesrath Corporation, Long Island City, N. Y. Piston gasket and grinding ring. 1,867,016; July 12.
Price, Harold W., Toronto, Ontario, Canada, assignor, by mesne assignments, to G. W. Ryan, New York, N. Y. Thermostatic gas control. 1,869,943; Aug. 2.
Price, Harvey E., Cadillac, Mich. Road scraper. 1,840,820; Jan. 12.
Price, Harvey E., assignor to Pneu-Hydro Road Machinery Company, Cadillac, Mich. Road scraper. 1,865,587; July 5.
Price, Henry. (See Masterson, W. E., and Price.)
Price, James W., Tulsa, Okla. Interchangeable character sign. 1,854,381; Apr. 19.
Price, Joe W., Canon, Colo. Propeller construction. 1,867,429; Nov. 29.
Price, John C., Gamoca, assignor of one-half to J. E. Staton, Charleston, W. Va. Expansible tank. 1,852,897; Apr. 5.
Price, John R. (See Shepherd, J. E., and Price.)
Price, Joseph. (See Brown and Price, assignors.)
Price, Joseph, West New Brighton, N. Y., and K. B. Ris, Dallas, Tex., assignors to The Groscom-Russell Company, New York, N. Y. Heat exchanger. 1,875,142; Aug. 30.
Price, Joseph, West New Brighton, N. Y., and K. B. Ris, Dallas, Tex., assignors to The Groscom-Russell Company, New York, N. Y. Heat exchanger. 1,842,945; Jan. 26.
Price, Joseph W., jr. (See Light, R. A., and Price.)
Price, Lake W. (See Duncan, John H., assignor.)
Price, Ralph H., Chicago, Ill., assignor, by mesne assignments, to Glue Research Corporation, New York, N. Y. Glue-solution and manufacturing same. 1,844,679; Feb. 9.
Price, Samuel J. T., Macon, Ga. Envelope filling mechanism. 1,886,119; Nov. 1.
Price, Sidney L., London, England. Sound reproducing device. 1,873,153; Aug. 23.
Price, Thornton W., New Brunswick, N. J. Motor suspension. 1,842,198; Jan. 19.
Price, Wilbur F., Allentown, Pa., assignor to L. F. Grammes & Sons, Inc. Automobile emblem attachment. 1,856,508; May 3.
Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Non-ferrous alloy. 1,874,617; Aug. 30.
Price, William F., Bala, and R. H. Beck, Upper Darby, Pa. Battery plate filling machine. 1,882,200; Oct. 11.
Price, William W., and C. W. Ripsch, assignors to The Buckeye Portable Tool Company, Dayton, Ohio. Pneumatic tool. 1,860,872; May 31.

Price, William W., and C. W. Ripsch, assignors to The Buckeye Portable Tool Company, Dayton, Ohio. Throttle. 1,817,107 Sept. 13.

Pridgen, John B., Charlotte, N. C. Road grading machine. 1,815,492; Sept. 6.

Pridham, Edwin S., assignor to The Magnavox Company, Oakland, Calif. Loud speaker element. 1,848,433; Mar. 8.

Pridham, Edwin S., assignor to The Magnavox Company, Oakland, Calif. Magnetic device. 1,876,164; Sept. 6.

Pridham, Edwin S., assignor to The Magnavox Company, Oakland, Calif. Loud speaker. 1,886,735; Nov. 8.

Priebe, Arthur W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Movable ground for arc welding. 1,839,437; Jan. 5.

Priebe, Arthur W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for electric arc welding pipe. 1,840,330; Jan. 12.

Priebe, Arthur W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding chill. 1,844,263; Feb. 9.

Priebe, Arthur W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding. 1,867,375; July 12.

Priebe, Arthur W., and J. B. Tiedemann, assignors to A. O. Smith Corporation, Milwaukee, Wis. Movable ground or current return connections for use in the progressive arc welding process. 1,840,251; Jan. 5.

Priebe, Ernest B., et al. (See Drake, Warren C., assignor.)

Priebe, Ernest B. (See Drake, W. C., and Priebe.)

Priebe, Harry C., Block Island, Ill.; Thomas H. Taylor, administrator. Draft gear. 1,876,019; Sept. 6.

Priechenfried, George, London, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited, Wave signaling system. 1,876,163; Sept. 6.

Priehn, Walther, Dortmund, Germany. Sheet piling. 1,862,426; June 7.

Priem, Harry E., Dunmore, Pa. Wedge clamp. 1,866,484; July 5.

Priemer, Fritz, Aschachwitz, near Dresden, Germany. Printing roller and making the same. 1,884,214; Oct. 25.

Priess, William H., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Electric condenser and making it. 1,844,974; Feb. 16.

Priess, William H., Upper Montclair, N. J., assignor, by mesne assignments, to General Electric Company. Condenser and process. 1,849,885; Mar. 15.

Priess, William H., Upper Montclair, N. J., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,865,046; June 28.

Priess, William H., Upper Montclair, N. J., assignor, by mesne assignments, to General Electric Company. High tension electrical apparatus including electrical condensers. 1,865,137; June 28.

Priess, William H., Upper Montclair, N. J., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,889,569; Nov. 29.

Priest, Edith H. (See Atwood, J. H., and Proctor, assignors.)

Priest, George E., Syracuse, N. Y. Building stave. 1,882,301; Oct. 11.

Priest, Harry R., Loudonville, Ohio. Tooth cleaner and polisher. 1,841,761; Jan. 19.

Priest, Harry R., Loudonville, Ohio. Tooth cleaning and polishing element. 1,847,495; Mar. 1.

Priest, Harry R., Loudonville, Ohio. Shaving brush. 1,847,496; Mar. 1.

Priest, Harry R., Loudonville, Ohio. Tooth cleaner and polisher. 1,848,543; Mar. 8.

Priest, Harry R., Loudonville, Ohio. Tooth cleaning and polishing kit. 1,849,769; Mar. 15.

Priest, Harry R., Loudonville, Ohio. Combination tooth inspecting mirror and dental floss. 1,853,453; Apr. 12.

Priest, Harry R., Loudonville, Ohio. Dispensing and massage container. 1,856,507; May 3.

Priest, Harry R., Loudonville, Ohio. Dispensing receptacle. 1,865,956; July 5.

Priest, Harry R., Loudonville, Ohio. Suction-cup for artificial teeth. 1,865,957; July 5

Priest, Harry R., Loudonville, Ohio. Dental polisher. 1,889,494; Nov. 29.

Priest, Harry R., Loudonville, Ohio. Tooth cleaning and polishing element. 1,889,495; Nov. 29.

Priest, Harry R., Loudonville, Ohio. Shaving brush kit. 1,889,496; Nov. 29.

Priest, Roland C., assignor of one-fourth to L. P. Ulbrey, one-fourth to C. Ulbrey, and one-fourth to J. W. Sanderson, Wittenberg, Tex. Flue reconditioning apparatus. 1,840,331; Jan. 12.

Priestman, Sydney L., Hull, England. Grab bucket. 1,887,465; Nov. 8.

Prieto, J. A. (See Corces, Ramiro, assignor.)

Prifold, George, assignor to The Cott-A-Lap Company, Somerville, N. J. Ornamenting strip material. 1,854,524; Apr. 19.

Prifold, George, assignor to The Cott-A-Lap Company, Somerville, N. J. Ornamenting the surface of strip materials. 1,854,666; Apr. 19.

Prillaman, James M. (See Prillaman, J. M., and Shipwash, assignors.)

Prillaman, James M., and A. W. Shipwash, assignors to said James M. Prillaman, Martinsville, Va. Varnish salvaging workholder. 1,859,383; May 24.

Prism Manufacturing Company. (See Waterworth, Robert J., assignor.)

Prine, Edward J., Groveland, Mass. Closure for jars and the like. 1,890,885; Dec. 13.

Primeau, Arthur L., Philadelphia, Pa. Cleaner. 1,878,250; Sept. 20.

Prince, Arthur C. (See Crawford, Carmi R., assignor.)

Prince, Arthur E., Merrick, assignor to Otis Elevator Company, New York, N. Y. Elevator construction. 1,864,093; June 21.

Prince, Clarence K., deceased, R. K. Prince, administrator, assignor to The H. B. Smith Company, Westfield, Mass. Method of and apparatus for use in burning solid fuel. 1,874,618; Aug. 30.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,865,274; June 28.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupting system. 1,866,371; July 5.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric translating circuit. 1,870,022; Aug. 2.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Mercury arc rectifier. 1,873,722; Aug. 23.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Vacuum fuse system. 1,889,497; Nov. 29.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. High vacuum fuse. 1,891,111; Dec. 13.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Vacuum switch. 1,892,538; Dec. 27.

Prince, David C., Schenectady, and W. Turnpenny, Albany, N. Y., assignors to General Electric Company. High tension circuit interrupter. 1,860,237; May 24.

Prince, Edmond, Tassin-les-Demi-Lune, France, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Process and apparatus for the manufacture of artificial filaments. 1,856,401; May 3.

Prince, Frank. East Gary, Ind. Fixture for rebabbitting locomotive crossheads. 1,859,464; May 24.

Prince, Robert K., administrator. (See Prince, Clarence K.)

Prince, Robert K., Westfield, assignor to W. J. Davidson, Newton, and E. A. Harvey, Brookline, Mass., trustees. Vitamin concentrate and method of preparation. 1,845,813; Feb. 16.

Prince, Seymour, Brooklyn, N. Y. Packaging. 1,840,053; Jan. 5.

Prince, William B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time of day announcing system. 1,863,141; June 14.

Principessa, Tito, and J. de Cosimo, Ellwood City, Pa. Hot or cold air home clothes drying machine. 1,866,987; July 12.

Pringle, William A., Fort Wayne, Ind., assignor to General Electric Company. Adjustable synchronous apparatus. 1,821,425; Aug. 9.

Pringle, William A., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding device. 1,888,407; Nov. 22.

Prins, Hendrik J., Hilversum, Netherlands. Apparatus for the impregnation of hollow articles. 1,859,841; May 24.

Prins, Henry, et al. (See Prins, Henry, assignor.)

Prins, Henry, Columbiaville, assignor of one-half to himself and one-half to W. H. Green, New York, N. Y. Belt control apparatus. 1,842,946; Jan. 26.

Prins, Leendert Wassenaar, Netherlands. Advertising device. 1,855,648; Apr. 26.

Prins, Peter L., Busum, assignor to D. M. Kan, Hilversum, F. A. Dieman, M. L. Kan, and P. J. J. van Schaardenburg, Amsterdam, Netherlands. Motor car frame. 1,871,734; Aug. 16.

Prins, Peter L., Amsterdam, Netherlands. Six wheel motor chassis. 1,871,735; Aug. 16.

Printator G. m. b. H. (See Hahn, Hugo, assignor.)

Printel Manufacturing Corporation. (See Roe, William C., assignor.)

Printing Machinery Company, The. (See Noell, E. F., and Thiel, assignors.)

Printing Machinery Company, The. (See Thiel, Emil E., assignor.)

Printz, Ernst. (See Creede, Pieter, assignor.)

Prinz, Dietrich, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Television system. 1,854,274; Apr. 19.

Prinz, Herman L., Chicago, Ill. Aircraft. 1,845,184; Feb. 16.

Prinz, Hermann K. (See Calberg, A., and Prinz.)

Prinz, Josef, Dinslaken, Germany. Water heating apparatus. 1,847,497; Mar. 1.

Prinz, Josef, Dinslaken, Germany. Boiler for hot water and low pressure steam-heating. 1,865,958; July 5.

Priori, Marino, Indianapolis, Ind. Detachable safety straight razor. 1,869,504; Aug. 2.

Prismatic Plug Corporation of America. (See Linse, Harry J., assignor.)

Pritchard, Arthur H., East Orange, N. J., assignor to Vacuum Oil Company, Inc., New York, N. Y. Lubricating means for roller pulverizers and the like. 1,869,023; July 26.

Pritchard, Clifford M., Tulsa, Okla. Storage tank or container. 1,864,759; June 28.

Pritchard, Clifford M., Tulsa, Okla. Tank construction. 1,864,931; June 28.

Pritchard, David A., Sandwich, Ontario, Canada, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Treatment of caustic solutions for the production of solutions and of solid caustic soda of a high degree of purity. 1,888,886; Nov. 22.

Pritchard, George A., Atlantic Beach, Fla. Adjustable visor. 1,855,588; Apr. 26.

Pritchard, Percy, Smethwick, near Birmingham, England, assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Light metal alloy. 1,854,953; Apr. 19.

Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Measuring valve. 1,843,782; Feb. 2.

Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Lubricating system. 1,876,343; Sept. 6.

Pritchard, William S., Mount Vernon, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Tape puller. 1,861,582; June 7.

Pritchard, William T., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lubricating device. 1,852,756; Apr. 5.

Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard).

Pritchett, Allen M., Pacific, Mo. Fireless brooder. 1,866,054; July 5.

Pritchett, Charles L. (See Talley, R. H., and Pritchett.)

Pritchett, Glenn A., Reno, Nev. Explosive. 1,882,190; Oct. 11.

Pritz, James J. (See Patterson, T. S., and Pritz, assignors.)

Pritz, Peter E. (See Patterson, T. S., and Pritz.)

Prizer, Eugene L., Solana Beach, assignor of one-fourth to J. A. Prizer and one-fourth to D. C. Jones, Fullerton, and one-sixth to H. G. Nutt, Altadena, Calif. Method and apparatus for supplying soluble agents to liquids. 1,868,914; July 26.

Prizer, Eugene L., Solana Beach, and J. A. Prizer, Fullerton, assignors of one-third to said E. L. Prizer, one-fourth to said J. A. Prizer, and one-fourth to D. C. Jones, Fullerton, and one-sixth to H. G. McNutt, Altadena, Calif. Method of supplying soluble fertilizing agents to soil. 1,868,913; July 26.

Prizer, John A., et al. (See Prizer, Eugene L., assignor.)

Prizer, John A. (See Prizer, Eugene L. and J. A., assignors.)

Probanski, Maximilian T., Yonkers, N. Y. Sound resonator. 1,885,540; Nov. 22.

Probert, Geoffrey O. C., Woolwich, London, England. Gun sight. 1,891,395; Dec. 20.

Probert, Maurice E. (See Fargher, R. G., Galloway, and Probert).

Probst, Edward A., Ogden, Utah. Slack burner. 1,864,932; June 28.

Process Engineers, Inc. (See DeCew, Judson A., assignor.)

Procter, Edward, London, England. Baker's oven and the like. 1,861,710; June 7.

Procter & Gamble Company, The. (See Reid, Forestus, assignor.)

Proctor, Alexander, Blairgowrie, Scotland. Collapsible tripod for use in harvesting crops. 1,891,577; Dec. 20.

Proctor, Barton A., Pelham, assignor to News Projection Corporation, New York, N. Y. Multiple projecting device. 1,860,951; May 31.

Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Carrier for material and apparatus for use therewith. 1,871,233; Aug. 9.

Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Container for films and handling the same. 1,871,234; Aug. 9.

Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Container for films and handling the same. 1,871,236; Aug. 9.

Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Container for film and handling the same. 1,871,237; Aug. 9.

Proctor, Barton A., Pelham Manor, N. Y., E. D. Foster, Ridgewood, N. J., and C. U. Bundick, White Plains, assignors, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Carrier for material and apparatus for use therewith. 1,871,235; Aug. 9.

Proctor, Carl S. (See Atwood, J. H., and Proctor.)

Proctor, George W., assignor to General Motors Corporation, Detroit, Mich. Spare wheel carrier. 1,848,975; Mar. 8.

Proctor, John A., Lexington, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,869,169; July 26.

Proctor, John A., Lexington, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,881,130; Oct. 4.

Proctor, John A., Lexington, and W. M. Bailey, Lynn, Mass., assignors, by mesne assignments, to General Electric Company. Electrical condenser. 1,857,867; May 10.

Proctor, John A., Lexington, and W. M. Bailey, Lynn, Mass., assignors, by mesne assignments, to General Electric Company. Electrical condenser. 1,869,168; July 26.

Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Tunnel lining for withstanding internal pressure. 1,853,224; Apr. 12.

Proctor, Robert V., assignor to Commercial Shearing & Stamping Company, Youngstown, Ohio. Method and apparatus for bending. 1,890,949; Dec. 13.

Proctor & Schwartz, Incorporated. (See Bokum, W. F., and Senior, assignors.)

Proctor & Schwartz, Incorporated. (See Bur, Philip W., assignor.)

Proctor & Schwartz, Incorporated. (See Gebhardt, G. H., and Bokum, assignors.)

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)

Proctor & Schwartz, Incorporated. (See Kershaw, F., and Kerst, assignors.)

Proctor & Schwartz, Incorporated. (See Tiers, Louis P., assignor.)

Proctor & Schwartz, Incorporated. (See Wanamaker, Harry F., assignor.)

Procunier, Frank G., Vergennes, and R. L. Morgan, Murphysboro, Ill. Engine starting device. 1,847,784; Mar. 1.

Procunier, Harry G., assignor to Procunier Safety Chuck Company, Chicago, Ill. Tap holder. 1,873,476; Aug. 23.

Procunier Safety Chuck Company. (See Corley, Mark H., assignor.)

Procunier Safety Chuck Company. (See Procunier, Harry G., assignor.)

Prodhomme, Felix J. M., Paris, France. Automatic apparatus for shop windows. 1,881,938; Oct. 11.

Production Engineering Company. (See Oberhoffken, Alexander, assignor.)

Production Machine Company. (See Fuller, Rufus W., assignor.)

Production Meter Company. (See Cannon, Frank J., assignor.)

Producto Machine Company, The. (See Marsilius, Newman M., assignor.)

Producto Machine Company, The. (See Marsilius, N. M., and Olsen, assignors.)

Professional Shoe Corporation. (See Harris, Leo, assignor.)

Profitlich, Wilhelm, Kiel-Gaarden, Germany. Synchronizing two internal combustion engines. 1,886,976; Nov. 8.

Proffatt, Charles F., assignor of one-third to S. F. Moulton and one-third to J. C. Moulton, Los Angeles, Calif. Illuminated fountain. 1,839,994; Jan. 5.

Proffitt, Don S., and J. C. Sharon, assignors, by mesne assignments, to Ethyl Gasoline Corporation. Manufacture of alkyl metal compounds. 1,863,451; June 14.

Program Service Company. (See Painter, Laurence O., assignor.)

Program Service Company. (See Painter, L. O., and Johnson, assignors.)

Progressive Corrugated Paper Machinery Co., Inc. (See Schroeder, L. H., and Wagner, assignors.)

Progressive Corrugated Paper Machinery Co. Inc. (See Wagner, Joshua, assignor.)

Progressive Motor Devices Corporation. (See Mossinghoff, Bernard H., assignor.)

Prohonas, James, New York, N. Y. Statuette or similar article. Des. 86,637; Mar. 29.

Projector, G. m. b. H. (See Morsbach, Kurt, assignor.)

Projection Optics Co. (See Fouquet, William F., assignor.)

Prompt, Lucien L. J., Colombes, France. Pressure producing means. 1,866,905; July 12.

Prondecke, Eugene, Millers Falls, Mass. Radiator or similar article. Des. 86,503; Mar. 8.

Proof Machine and Brass Foundry Company. (See Flaxlily, James, assignor.)

Propeller Aktiengesellschaft. (See Haw, Jakob, assignor.)

Proper, William H., Kansas City, Mo., assignor, by mesne assignments, to Dr. C. J. Trimble, Tulsa, Okla. Automatic crossing gate for railroads. 1,857,868; May 10.

Proper, William H., Kansas City, Mo., assignor, by mesne assignments, to Dr. C. J. Trimble, Tulsa, Okla. Railroad gate operating system. 1,857,869; May 10.

Pro-Phy-Lac-Tic Brush Company. (See Cunningham, Roy R., assignor.)

Pro-Phy-Lac-Tic Brush Company. (See Elliot, W. S., and Parkhurst, assignors.)

Pro-phy-lac-tic Brush Company. (See Parkhurst, F. A., assignor.)

Propp, Louis, assignor to The M. Propp Co. Inc., New York, N. Y. Electric outlet socket. 1,887,784; Nov. 15.

Propp, Louis, assignor to M. Propp Co., Inc., New York, N. Y. Electrical illuminating device. 1,887,785; Nov. 15.

Propp, M. Co. Inc., The. (See Propp, Louis, assignor.)

Propper, Louis J., Chicago, Ill. Machine for making stick candy. 1,864,668; June 28.
Propst, Thomas E., Maywood, Ill. Tree stand. 1,874,119; Aug. 30.
Prosperity Company, The. (See Braun, Philip N., assignor.)
Prosperity Company, The. (See Daly, Joseph P., assignor.)
Prosperity Company, The. (See Davis, Ernest, assignor.)
Prosperity Company. (See Dorsey, William H., assignor.)
Prosperity Company, The. (See Ledbetter, James C., assignor.)
Prosperity Company, The. (See McCarthy, Timothy B., assignor.)
Prosperity Company, The. (See McDermott, Harry H., assignor.)
Prosperity Company, The. (See Winnewisser, Emil A., assignor.)
Prosperity Company, The. (See Zimarik, John, assignor.)
Prosperity Company, Inc., The. (See Davis, Ernest, assignor.)
Prosperity Company Inc., The. (See Kagi, Albert, assignor.)
Prosperity Company Inc., The. (See Steele, Harry A., assignor.)
Press, Albert, Bronx, N. Y. Combination comb and brush. 1,845,331; Feb. 16.
Prosser, Joseph G., Chicago, Ill. Obtaining work from a vapor motor. 1,872,606; Aug. 16.
Prosser, Norman I., Long Beach, Calif. Luminous revolving sign, system, and method. 1,852,284 Apr. 12
Prosser, Thomas W. (See La Montagne, P. P., and Prosser.)
Prosser, Thomas W., J. H. Wahlbeck, and R. L. Mittelstadt, Kankakee, assignors to Paramount Textile Machinery Co., Chicago, Ill. Hosiery drying form. 1,865,389; Nov. 29.
Prosthetic Products, Inc. (See Dresch, Israel J., assignor.)
Prot, Etienne M., assignor to Société à Responsabilité Limitée Dite: La Voie Ferrée Moderne, Paris, France. Ferro-concrete railway sleeper. 1,888,287; Nov. 22.
Protechahood Corporation, The. (See Sawyer, Leicester B., assignor.)
Protectoseal Company of America. (See Anschicks, Rudolph J., assignor.)
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Excavator car. 1,864,552; June 28.
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,866,577; July 12.
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,869,774; Aug. 2
Protzeller, Harry W., assignor to O. F. Jordan Company, East Orange, Ind. Rail joint oiler. 1,886,736; Nov. 8.
Protzeller, Harry W., and C. W. Finney, East Chicago, Ind. Method of and apparatus for making steel. 1,866,668; July 12.
Protzer, Felix, Norwood, Ohio. Self-closing valve. 1,851,062; Mar. 29.
Protzmann, Charles, Milwaukee, Wis. Fuel economizer and smoke reducer. 1,865,138; June 28.
Prouse, Marge V., assignor of fortv-nine one-hundredths to A. O. Cornwell, Minneapolis, Minn. Attachment for fishhooks. 1,863,544; June 14.
Prout, Benjamin H., assignor to International Silver Company, Meriden, Conn. Napkin ring or similar article. Des. 86,266; Feb. 16.
Prout, Benjamin H., assignor to International Silver Company, Meriden, Conn. Holder for a baby spoon or similar article. Des. 88,569; Dec. 6.
Prout, George M., Covington, Ky. Siphonic circulating apparatus. 1,845,624; Feb. 16.
Prout, Herbert L., Villa Park, Ill. System of friction gearing. 1,870,421; Aug. 9.
Prouty, Fitch, assignor to Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Roofing. 1,865,959; July 5.
Prouty, Theodore C., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Roofing tile and process. 1,877,481; Sept. 13.
Prouty, Theodore C. and W. O., Hermosa Beach, Calif., assignors to American Encaustic Tiling Company, Ltd., New York, N. Y. Method of and tunnel kiln for the treatment of ceramics. 1,862,548; June 14.
Prouty, Theodore C. and W. O., Hermosa Beach, Calif., assignors to American Encaustic Tiling Company, Ltd., New York, N. Y. Tile grinding machine. 1,862,704; June 14.
Prouty, Willis O. (See Prouty, Theodore C. and W. O.)
Prouty, Willis O., Hermosa Beach, Calif., assignor, by mesne assignments, to Metlox Corporation, Ltd., Manhattan Beach, Calif. Therapeutic light. Des. 86,331; Feb. 23.
Prouty, Willis O., Hermosa Beach, assignor, by mesne assignments, to Metlox Corporation, Ltd., Manhattan Beach, Calif. Cabinet for therapeutic light. Des 86,486; Apr. 5.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Medical cabinet. Des. 86,487; Apr. 5.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Therapeutic light standard. Des. 88,256; Nov. 8.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Radiant therapeutic device. Des. 87,405; July 26.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Hand supported therapeutic light. Des. 87,407; July 19.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Medicinal radiant device. Des. 87,408; July 19.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Ceramic character or symbol. Des. 87,409; May 24.
Prouty, Willis O., Hermosa Beach, assignor, by mesne assignments, to Metlox Corporation, Ltd., Manhattan Beach, Calif. Luminous tube. 1,863,036; June 21.
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation Ltd., Manhattan Beach, Calif. Connecting device. 1,875,197; Aug. 30.
Providence Stock Company. (See Meyer, George U., assignor.)
Providenti, Joseph, Charleston, W. Va. Banjo. 1,858,171; May 10.
Provincial Incandescent Fittings Company Limited. (See Webber, J., and Cooper, assignors.)
Provost, Virgile, Cohoes, N. Y. Chain connection. 1,887,430; Nov. 8.
Pruden, Leigh, Los Angeles, Calif. Metal fire resisting ironing board. 1,889,153; Dec. 13.
Prudhomme, Auguste B. F., Beaulieu-Sur-Mer, France. Headlight for motor cars. 1,842,880; Jan. 26.
Prueter, Walter H., West Barrington, R. I. Machine for removing skins from pork strips. 1,847,536; Mar. 1.
Pruett, Charles L., Ventura, Calif. Stuffing box. 1,879,478; Sept. 27.
Pruitt, Harvey E., Flint, Mich. Nut tapping machine. 1,847,979; Mar. 1.
Prunier, Jean P., Lyon, assignor to Societe des Usines Chimiques Rhone-Poulene, Paris, France. Manufacture of sodium thiosulphate. 1,854,762; Apr. 19.
Prüss, Max, Essen, Germany. Clarification plant. 1,851,684; Mar. 29.
Prussian, George, Newark, N. J. Interchangeable stone setting for ring tops and the like. 1,864,371; June 21.
Prussin, Adolph A., Brooklyn, N. Y., assignor to Petro-Sol Corporation. Solidification of liquid hydrocarbons. 1,880,211; Oct. 4.
Prussin, Walter, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Method and mechanism for making collapsible tubes. 1,839,438; Jan. 5.
Prussin, Walter, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Automatic stop mechanism for collapsible tube machines. 1,843,884; Feb. 2.
Prussin, Walter, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Extruding machine. 1,856,290; May 3.
Prutzman, Paul W., Los Angeles, Calif. Filter press. 1,891,396; Dec. 20.
Pryce, Matthew B., Rock Hill, S. C. Transparent trap. 1,884,855; Oct. 25.
Pryde, James. (See Hatt, A. J., Johnson, and Pryde.)
Prym, Hans A., Great Neck, N. Y. Hairpin. 1,867,472; July 12.
Pryor, Albert G., Santa Cruz, Calif. Disk harrow. 1,842,115; Jan. 19.
Pryor, Benjamin F., River Rouge, Mich. Air cooled hair waving device. 1,887,386; Nov. 15.
Pryor, Clarence E., Elizabeth, N. J. Combined snap and testing switch for flashlights. 1,845,764; Feb. 16.
Przybylski, Gerald M. (See Catterlee, Percy, assignor.)
Pschorr, Karl, Arzberg, Germany, assignor to Schumann China Corporation, New York, N. Y. Plate or similar article. Des. 87,022; May 24.
Pschorr, Karl, Arzberg, Germany, assignor to Schumann China Corporation, New York, N. Y. Plate or similar article. Des. 87,023; May 24.
Psi A.-G. (See Schwaller, Emil, assignor.)
Ptacek, Peter G., Braidwood, Ill. Exercising device. 1,851,865; Mar. 29.
Public, Free use of the. (See Randolph, John W., assignor.)
Public Industrials Corporation. (See Welles, E. R., and de Jahn, assignors.)
Publicity Service, Inc. (See Cahn, Stanley L., assignor.)
Publisher, Inc. (See Haner, C., and Gamper, assignors.)
Publicker, Inc. (See Stein, Jacob, assignor.)
Publow, Frederick J. (See Tysick, Robert W., assignor.)
Puc, Vojtech, Prague-Vinohrady, Czechoslovakia. Sliding clasp fastening. 1,882,672; Oct. 18.
Puc, Vojtech, Prague, Czechoslovakia. Press fastener. 1,887,466; Nov. 8.
Puc, Vojtech, Prague, Czechoslovakia. Press fastener. 1,892,630; Dec. 27.
Pucunas, John, Los Angeles, Calif. Radiator screen. Des. 86,859; Apr. 26.
Pucunas, John, Los Angeles, Calif. Headlight. Des. 86,934; May 10.
Pucunas, John, Los Angeles, Calif. Stocking and sock form for drying, stretching, and pressing. 1,876,344; Sept. 6.
Pudan, Herbert W., assignor to Southwestern Engineering Company, Los Angeles, Calif. Flotation concentrating machine. 1,843,696; Feb. 2.
Pudelko, Riccard, Zuz, Switzerland, assignor to Landis & Gyr, A.-G. Time-controlled switch. 1,841,151; Jan. 12.

Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Switch mechanism. 1,849,724; Mar. 15.
Pudelko, Riccard, assignor to Landis & Gyr A.-G., Zug, Switzerland. Intermittently recording device especially in electrical apparatus. 1,869,583; Aug. 2.
Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.G. Electricity meter. 1,859,419; Nov. 29.
Pudge, Elmer E. (See Beals, A. F., and Pudge.)
Pudge, Frederick A. (See Beals, A. F., and Pudge.)
Pudliner, John, assignor to Brey & Krause Manufacturing Company, Allentown, Pa. Tumbler holder. Des. 86,743; Apr. 12.
Pue, Wojtech, Prague, Czechoslovakia. Attachment for bakers' use and the like. Des. 85,612; Sept. 6.
Puening, Franz, O'Hara Township, Pa., assignor to The Koppers Company, Coke oven apparatus. 1,842,199; Jan. 19.
Puening, Franz, O'Hara Township, Allegheny County, Pa. Low temperature distillation apparatus. 1,861,876; June 7.
Puening, Franz, O'Hara Township, Allegheny County, Pa. Low temperature distilating apparatus and using the same. 1,862,934; June 7.
Puening, Franz, Pittsburgh, Pa. Apparatus for cooking at low temperature. 1,843,931; Feb. 9.
Puening, Franz, Pittsburgh, Pa. Coking apparatus. 1,855,417; Apr. 26.
Puening, Franz, Pittsburgh, Pa. Liquid fuel for metallurgical furnaces. 1,869,775; Aug. 2.
Puening, Franz, Aspinwall, Pa. Apparatus for carbonizing coal. 1,861,583; June 7.
Puff, Alter. (See Stein, K., Euler, and Puff.)
Puffer-Hubbard Mfg. Co. (See Long, Charles E., assignor.)
Puffer-Hubbard Mfg. Co. (See Puffer, Paul H., assignor.)
Puffer, Paul H., assignor to Puffer-Hubbard Mfg. Co., Minneapolis, Minn. Folding box. 1,853,285; Apr. 12.
Pugh, Emerson, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating articles. 1,855,869; Apr. 26.
Pugh, John W., Meriden, England. Vehicle wheel. 1,845,185; Feb. 16.
Pugh, John V., Meriden, England. Vehicle wheel. 1,862,504; June 14.
Pugh, John V., Meriden, England. Vehicle wheel. 1,862,805; June 14.
Pugh, Shelah V. (See Robe, S., and Pugh.)
Pühl, Alfred. (See Schilling, Hugo G., assignor.)
Pulaski, Jacob L., West Roxbury, assignor to Miracle Table Corporation, Boston, Mass. Extension table. 1,888,124; Nov. 15.
Puleo, Anthony, Brooklyn, N. Y. Tire spreader. 1,888,834; Nov. 22.
Pulford, William H., Lima, assignor to The Schaaf & Good Company, Fremont, Ohio. Handle for tweezers or the like. Des. 87,278; June 28.
Pulitzer, Gustav M., assignor to Moss-Still, Inc., New York, N. Y. Textile fabric. Des. 88,570; Dec. 6.
Pulkinghorn, William R., Hollywood, assignor of one-half to J. S. Davis, Los Angeles, Calif. Automatic fuel control device for internal combustion engine. 1,844,230; Feb. 9.
Pulkinghorn, William R., assignor of one-half to Joseph S. Davis, Los Angeles, Calif. Electrically operated air admission valve for internal combustion engines. 1,887,515; Nov. 15.
Pullan, James F., assignor to Lincoln Machine Company, Pawtucket, R. I. Yarn or fiber cutting machine. 1,890,095; Dec. 6.
Pullar, Harold B., Chicago, Ill. Producing asphalt. 1,889,977; Nov. 29.
Pullclean Manufacturing Corporation. (See Addler, Joseph H., assignor.)
Pullen, Fred W., and F. W. Hall, assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Toy carpet sweeper. 1,847,362; Mar. 1.
Pullen, Rodney S., Philadelphia, and W. J. Crowell, jr., Wyncote, assignors to Pullenlite Company, Philadelphia, Pa. Feed for match packaging machines. 1,864,760; June 28.
Pullen, Rodney S., and W. J. Crowell, jr., Wyncote, assignors to Pullenlite Company, Philadelphia, Pa. Match package and stapling insert. 1,884,215; Oct. 25.
Pullen, Rodney S., assignor to Pullenlite Company, Philadelphia, Pa. Machine for making match packages. 1,887,944; Nov. 15.
Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match packet. 1,880,180; Nov. 29.
Pullenlite Company. (See Pullen, R. S., and Crowell, assignors.)
Pullenlite Company. (See Pullen, Rodney S., assignor.)
Puller, George. (See Gastonguay, A., and Puller.)
Pullets, George, assignor of one-half to F. C. Braun, New York, N. Y. Wreath making method and means. 1,879,882; Sept. 27.
Pulley, Roy D., and F. Seaver, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Cleaning animal intestines. 1,855,925; Apr. 26.
Pullum, Ernest W., Cushing, Okla. Portable ice scoring machine. 1,852,370; Apr. 5.
Pullman, Ira L., Huntington Park, assignor to Richfield Oil Company of California, Los Angeles, Calif. Method and apparatus for washing and lubricating vehicles. 1,877,564; Sept. 13.
Pullman Car & Manufacturing Corporation. (See Johnson, Clarence H., assignor.)
Pullman Car & Manufacturing Corporation. (See Mussey, William H., assignor.)
Pullman Car & Manufacturing Corporation. (See Mussey, W. H., and Rudquist, assignors.)
Pullman Car & Manufacturing Corporation. (See Powell, Gomert, assignor.)
Pullman, Roy. (See Hubbard, C. R., and Pullman.)
Pulver Company. (See Burne, Stuart, assignor.)
Pulvis Aktiengesellschaft. (See Liffander, Johan A., assignor.)
Pülz, Willy, Rastatt, Germany. Dust-remover for threshing-machines. 1,854,954; Apr. 19.
Pungs, Wilhelm. (See Günther, F., Vierling, and Pungs.)
Pungs, Wilhelm. (See Pungs, M., Pungs, and Wietzel.)
Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bleaching artificial fatty acids. 1,871,682; Aug. 9.
Pungs, Wilhelm, and K. Eisenmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of volatile organic solvents. 1,839,702; Jan. 6.
Pungs, Wilhelm, K. Eisenmann and C. Reichenbuch, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of artificial resins. 1,839,701; Jan. 6.
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Vehicle radiator ornament. Des. 85,958; Jan. 5.
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Body aprон. 1,864,372; June 21.
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Steering wheel cap assembly. 1,876,166; Sept. 6.
Punnett, Ellis L., Buffalo, assignor to National Aniline & Chemical Company, New York, N. Y. Ball mill. 1,879,479; Sept. 27.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,849,312; Mar. 15.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,849,768; Mar. 15.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,860,201; May 24.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Display packer's container. 1,866,224; July 5.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Sealing metal container. 1,890,193; Dec. 6.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Dispensing closure for cans. 1,890,194; Dec. 6.
Punte, William F., and C. J. Aulbach, Syracuse, assignors to Continental Can Company, New York, N. Y. Metal container. 1,856,894; Mar. 22.
Punton, Charles W., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Protective cap. 1,875,143; Aug. 30.
Purcell, John, Chicago, Ill. Wheel hub wear plate. 1,869,390; Aug. 2.
Purcell, Mark, Brooklyn, N. Y. Magnetic toy. 1,842,881; Jan. 26.
Purcell, William. (See Alwood, Archie R., assignor.)
Purcell, William F. (See Hiltz, G. S., and Purcell.)
Purdy, Chester A., Oak Park, Ill., and Brockfield, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Container and its method of manufacture. 1,885,288; Nov. 22.
Purdy, Emmett G., Detroit, Mich., assignor to Detroit Body Die Company. Motor vehicle construction. 1,886,221; Nov. 1.
Purdy, Frederick, assignor to Marvel Carburetor Company, Flint, Mich. Pumping mechanism. 1,881,939; Oct. 11.
Purdy, Frederick, assignor to Marvel Carburetor Company, Flint, Mich. Carburetor heat control. 1,881,940; Oct. 11.
Purdy, Frederick L., Columbus, Ohio. Toy house. 1,891,011; Dec. 13.
Purdy, John F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Paving block. 1,884,216; Oct. 25.
Purdy, Sparrow E. (See Johnston, William A., assignor.)
Pure Calcium Products Company. (See Church, J. W., and Elledge, assignors.)
Pure Calcium Products Company. (See McClure, R. R., and Church, assignors.)
Pure Oil Company, The. (See Carr, Richard H., assignor.)
Pure Oil Company, The. (See Chittick, Martin B., assignor.)
Pure Oil Company. (See Harnsberger, Audley E., assignor.)
Pure Oil Company, The. (See Hyman, Julius, assignor.)

Pure Oil Company, The. (See Hyman, J., and Schlandt, assignors.)
Pure Oil Company, The. (See McBride, George A., assignor.)
Pure Oil Company, The. (See Osterstrom, Rudolph C., assignor.)
Pure Oil Company, The. (See Osterstrom, R. C., and Tucker, assignors.)
Pure Oil Company, The. (See Osterstrom, R. C., and Wagner, assignors.)
Pure Oil Company, The. (See Smith, C. L., and Watson, assignors.)
Pure Oil Company, The. (See Wagner, Cary R., assignor.)
Pure Oil Company, The. (See Watson, Cornelius B., assignor.)
Pure Oil Company, The. (See Watson, C. B., and Osterstrom, assignors.)
Pure Oil Company, The. (See Wendeln, Oliver B., assignor.)
Pures, John A., Kearney, N. J. Body harness. 1,879,480; Sept. 27.
Purington, Ellison S., Gloucester, Mass., assignor to John H. Hammond, jr. System of broadcasting. 1,859,465; May 24.
Purington, Ellison S., Gloucester, Mass., assignor to J. Hays Hammond, jr. Synchronization for facsimile transmission. 1,877,745; Aug. 9.
Purington, Ellison S., Gloucester, Mass., assignor to John Hays Hammond, jr. Reception of varying frequency signals. 1,876,746; Sept. 13.
Purinton, Bernard S., East Liverpool, Ohio. Process and apparatus for casting ceramic articles. 1,882,191; Oct. 11.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Machine for assembling and coating a multiplicity of articles. 1,868,804; July 26.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn., Article-assembling and conveying machine. 1,868,805; July 26.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Process and apparatus for decorating buttons and like articles. 1,868,849; July 26.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Machine for coating a multiplicity of articles. 1,868,850; July 26.
Puritan Manufacturing Company. (See Poole, Jesse V., assignor.)
Purity Bakeries Service Corp. (See Barter, Franklin D., assignor.)
Purity Fibre Products Corp. (See Davis, Harry G., assignor.)
Purkis, Frank T. (See Twiss, D. F., Purkis, and Murphy.)
Purmort, Joseph, administrator. (See Van Auken, Clarence E.)
Purnell, Edward A. (See Fitch, J. A., and Purnell.)
Purnell, Edward A. (See Gourley, G. T., and Purnell.)
Purnell, Guy, Appleton, Wis. Metal treating process. 1,886,835; Nov. 8.
Puro Co. (See Sacks, Alvin L., assignor.)
Puro Sanitary Drinking Fountain Company. (See Roberge, Charles, assignor.)
Purplaw, Rolf, Los Angeles, Calif. Plant bed. 1,874,207; Aug. 30.
Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener applying machine. 1,853,928; Apr. 12.
Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Applicator for metal fasteners. 1,854,998; Apr. 19.
Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Holder for belt fastening means. 1,862,121; June 7.
Pursell, Arthur T., Los Angeles, Calif., assignor to W. C. Scott, Chicago, Ill. Power-actuated saw and drill mechanism. 1,850,137; Mar. 22.
Purser, Albert, Brooklyn, N. Y. Auxiliary airplane engine mechanism. 1,867,473; July 12.
Purser, Albert F., et al. (See Hine, Martin, assignor.)
Purser, William J., Mineral Ridge, assignor to The Bostwick Steel Lath Company, Niles, Ohio. Reenforced metal lath. 1,859,200; May 24.
Purser, William J., Mineral Ridge, assignor to Bostwick Steel Lath Company, Niles, Ohio. Removing lubricating compound from perforated sheet metal. 1,864,257; June 21.
Purser, William J., Mineral Ridge, assignor to The Bostwick Steel Lath Company, Niles, Ohio. Reenforced metal lath. 1,877,964; Sept. 20.
Purser, William S., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Electrical apparatus. 1,865,210; June 28.
Pursley, Alva R., Eufaula, Ala. Apparatus for cooling milk. 1,877,965; Sept. 20.
Pursmoke Pipe Company. (See Mancusi, P., and Di Sibio, assignors.)
Purucker, George J., Fort Atkinson, Wis. Filling container. 1,862,861; June 14.
Pusateri, Giovanni. (See Nardoni, Albert, assignor.)
Puterbaugh, Jack W., Cincinnati, Ohio. Mixing machine. 1,851,326; Mar. 29.
Putman, Robert A., Kewaunee, Wis. Airplane hoop. 1,872,339; Aug. 16.
Putnam, Elina. (See Hoover, Thomas A., assignor.)
Putnam, Ernest A., Iowa City, Iowa. Engine exhaust. 1,858,358; May 17.
Putnam, Frank L., and F. D. Morse, assignors to Harrington Cutlery Company, Southbridge, Mass. Magnetic grinding machine. 1,844,073; Feb. 9.
Putnam, Frank O., Dallas, Tex. Writing instrument. 1,861,241; May 31.
Putnam, James K., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Valve. 1,872,481; Sept. 27.
Putnam, James R., assignor to Waterbury Clock Company, Waterbury, Conn. Electric clock. 1,876,020; Sept. 6.
Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Making halogenated hydrocarbons. 1,858,521; May 17.
Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of amine hydrohalides. 1,858,640; May 17.
Putnam, Mark E., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Preparation and purification of primary aromatic amine hydrohalides of the benzene series. 1,878,512; Sept. 20.
Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Making aromatic amines. 1,885,625; Nov. 1.
Putney, Charles L., Philadelphia, Pa., assignor to Investors Industries, Inc., Baltimore, Md. Automatic clutch. 1,881,941; Oct. 11.
Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp. Combination ash tray and stand. Des. 88,822; Dec. 27.
Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp. Smoker's receptacle. 1,873,029; Aug. 23.
Putting, Oscar J. (See Castleman, Vincent F.)
Putzel, Arthur B., assignor to Quaker City Chocolate & Confectionery Co., Philadelphia, Pa. Candy polishing machine. 1,853,990; Apr. 12.
Pyatt, Valdia M., Great Falls, Mont. Garden implement. 1,873,215; Aug. 23.
Pyhälä, Ewald. Oulunkylän, Uusimaa, assignor to O. Y. Methods Ltd., Viipuri, Finland. Refining and discoloring of raw sulphate soft soap. 1,887,246; Nov. 8.
Pykosz, John, Chicago, Ill. Smoke consumer. 1,884,217; Oct. 25.
Pyle-National Company, The. (See Amos, John A., assignor.)
Pyle-National Company, The. (See Dake, Charles W., assignor.)
Pyle-National Company, The. (See Hellwig, Emil C., assignor.)
Pyle-National Company, The. (See Kennedy, John J., assignor.)
Pyle-National Company, The. (See McDowell, Thomas E., assignor.)
Pyle-National Company, The. (See Westcott, Philip S., assignor.)
Pyle, Neal E., assignor to The Schwab Safe Company, La Fayette, Ind. Automatic safe doorlock. 1,870,746; Aug. 9.
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for relatively moving shoes and their lasts. 1,856,291; May 3.
Pym, Arthur F., Swampscott, and W. E. Scarlett, East Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 1,864,669; June 28.
Pym, Charles F., Beverly, assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass. Holding shoe uppers in lasted position. 1,855,418; Apr. 26.
Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,856,292; May 3.
Pyn, Wilbur W. H., New York, N. Y. Sprayer. 1,867,890; July 19.
Pynynski, Edward, New Britain, Conn. Double purpose caster. 1,864,933; June 28.
Pyralume Products Corporation. (See Barrett, Harold G., assignor.)
Pyrene Manufacturing Company. (See Dodelin, Fred A., assignor.)
Pyrene Manufacturing Company. (See Hunter, John N., assignor.)
Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
Pyrene-Minimax Corporation. (See Burmeister, Hans, assignor.)
Pyrene-Minimax Corporation. (See Schnabel, Rudolf, assignor.)
Pyrene Minimax Corporation. (See Timpson, Lewis G. M., assignor.)
Pyridium Corporation, The. (See Tisza, E. T., and Joos, assignors.)
Pyro-Pack Products Co. (See Chiles, Howard M., assignor.)
Pyron, Frank, West New York, N. J. Metal lath for brick veneers. 1,861,359; May 31.
Pysher, Fred L., assignor of ten per cent to V. L. Caruso and five per cent to O. D. Lowther, Spokane, Wash. Air body trout-fly. 1,842,490; Jan. 26.

Pythian, Thomas E., Headingley, Leeds, England. Web tensioning apparatus. 1,869,614; Aug. 2.
Fyzel, Daniel, Piedmont, assignor to Shell Development Company, San Francisco, Calif. Producing ammonia. 1,849,357; Mar. 15.
Fyzel, Daniel, Piedmont, Calif., assignor, by mesne assignments, to Universal Oil Products Company. Cracking for hydrocarbon oils. 1,891,218; Dec. 13.
Q. R. S.-Neon, Inc. (See Miesse, Richard E., assignor.)
Quabaug Rubber Company. (See Mason, Herbert T., assignor.)
Quackenbush, Hiram L., Monroe, Mich. Washing machine. 1,888,435; Nov. 22.
Quaedvlieg, Victor, Keremeos, British Columbia, Canada. Churn. 1,885,026; Nov. 1.
Quaite, Howard J. (See Patterson, H. L., and Quaife.)
Quaker City Chocolate & Confectionery Co. (See Futzel, Arthur B., assignor.)
Quaker Oats Company, The. (See Kirn, Oscar C., assignor.)
Quaker Silver Company. (See Jennings, James W., assignor.)
Quality Hardware and Machine Corporation. (See Moyer, Charles L., assignor.)
Quality Mattress Company. (See Williams, William F., assignor.)
Quality Park Box Company. (See Bigelow, Leon G., assignor.)
Quality Park Envelope Company. (See Olm, Oscar J., assignor.)
Quanstrom, Roy E. (See Ashbrook, R. B., Macferran, Quanstrom and Detgler.)
Quante, Wilhelm. (See Eufinger, Peter.)
Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coaxial conductor transmission line. 1,873,477; Aug. 23.
Quarnstrom, Bert L., Grosse Pointe Park, assignor to Bundy Tubing Company, Detroit, Mich. Making tubes. 1,863,873; June 21.
Quarnstrom, Bert L., Grosse Pointe Park, assignor to Bundy Tubing Company, Detroit, Mich. Tubular control. 1,863,874; June 21.
Quarnstrom, Bert L., Grosse Pointe Park, assignor to Bundy Tubing Company, Detroit, Mich. Tube connection. 1,875,885; Sept. 6.
Quartin, Abraham, Brooklyn, N. Y. Artistic box. 1,851,728; Mar. 29.
Quass, Ralph L., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,850,603; Mar. 22.
Quass, Ralph L., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,861,552; June 7.
Quattrocchi, Guiseppe, Cleveland, Ohio. Spaghetti machine. 1,884,218; Oct. 25.
Queck, Frederic, Monroe, Mich. Producing asphaltic emulsion. 1,867,923; July 19.
Queen, Walter K., Needham Heights, Mass. Multiple stage rod packing. 1,844,903; Feb. 9.
Queens, Hugo, Gladbeck, Germany. Prop construction for mines. 1,858,719; May 17.
Quelch, George C., Oakmont, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc., New York, N. Y. Gaseous fuel mixture. 1,863,636; June 21.
Quenchery Company. (See Pattison, Roscoe C., assignor.)
Queneau, Augustin L. J., New York, N. Y. Separation of components constituents of a complex metalliferous dust. 1,872,169; Aug. 16.
Querna, John O., Ceylon, Minn. Leg rest. 1,845,338; Feb. 16.
Quessette, Jean, Le Mans, France. Combination control apparatus for flying and other controls for aeroplanes or for like purposes. 1,843,734; Feb. 2.
Quick, Carol A., et al. (See Quick, Daniel E., assignor.)
Quick, Cecil G., Eltham, and W. W. F. Denne, New Malden, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Late news printing mechanism. 1,843,142; Feb. 2.
Quick, Cecil G., Eltham, London, and R. W. Chiles, Forest Hills, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Web threading device for rotary printing machines. 1,861,600; June 7.
Quick, Daniel E., Taft, Calif. Automatic drain valve. 1,840,792; Jan. 12.
Quick, Daniel E., assignor of one-third to D. L. Quick, one-third to C. A. Quick, and one-sixth to N. B. Quick, Taft, Calif. Quick automatic escape. 1,849,725; Mar. 15.
Quick, Daniel L., et al. (See Quick, Daniel E., assignor.)
Quick, Nora B., et al. (See Quick, Daniel E., assignor.)
Quick, William, North Ealing, London, S. E. Thomas, Cranford, Hounslow, and F. W. Berwick, Streatham Hill, London, England. Window latch. 1,844,793; Feb. 9.
Quick, William, London, S. E. Thomas, Hounslow, and F. W. Berwick, London, England. Window latch. 1,892,493; Dec. 27.
Quigg, James S., Dewey, Okla. Device for regulating the pumping period of wells. 1,892,631; Dec. 27.
Quigg, John G., Pittsburgh, Pa. Bobbin. 1,842,113; Jan. 19.
Quigg, Murray T. (See Volf, Christian A., jr., assignor.)
Quigley, John E., assignor to Inland Glass Works, Inc., Chicago, Ill. Globe stamping apparatus. 1,840,466; Jan. 12.
Quigley, Michael F., Port Richmond, N. Y. Drift pin. 1,876,021; Sept. 6.
Quigley, Thomas F., Cleveland, Ohio, assignor to Micromatic Hone Corporation. Expanding device for grinding tools. 1,839,261; Jan. 5.
Quigley, Thomas F., Cleveland, Ohio, assignor, by mesne assignments, to Micromatic Hone Corporation. Cylinder hone or lapping tool. 1,876,468; Sept. 6.
Quigley, W. A. (See Goble, Bert G., assignor.)
Quill, Charles J., San Francisco, Calif. Display stand. 1,849,552; Mar. 15.
Quill, Jeremiah J., San Francisco, Calif. Oil preheating device. 1,861,877; June 7.
Quimby, Ralph A. (See Heald, R. N., Taylor, Quimby, and Highberg.)
Quinan, Louie S., Sacramento, Calif. Front axle mounting for tractors. 1,851,866; Mar. 29.
Quinby, Edwin J., Yonkers, N. Y., assignor to Radio Corporation of America. Phonograph record. 1,855,609; Apr. 26.
Quinby, Edwin J., Yonkers, N. Y., assignor to Radio Corporation of America. Sound reproducing apparatus. 1,864,615; June 28.
Quinby, Edwin J., Yonkers, N. Y., assignor to Radio Corporation of America. Railway electric signal system. 1,859,466; May 24.
Quinby, Edwin Jay, Yonkers, N. Y., assignor to Radio Corporation of America. Sound reproducer. 1,887,185; Nov. 8.
Quinby, George F., Dorchester, Mass. Pressure indicator for pumps. 1,843,948; Jan. 19.
Quinn Stove Manufacturing Company, The. (See Lange, Henry, assignor.)
Quinn, Rose B., Newton, Mass. Apparel garment. 1,887,431; Nov. 8.
Quinn, Rose B., Newton, Mass. Apparel garment. 1,887,466; Nov. 8.
Quinlivan, Donald P., Fresno, Calif. Framing jack. 1,887,822; Nov. 15.
Quinn, Ada, Ogden, Utah. Apron. 1,839,262; Jan. 5.
Quinn, Charles C., assignor to Quinn Wire & Iron Works, Boone, Iowa. Mud cup for hog waterers. 1,846,455; Feb. 23.
Quinn, Charles C., assignor to Quinn Wire & Iron Works, Boone, Iowa. Calf weaner. 1,882,232; Oct. 11.
Quinn, Charles H., San Francisco, Calif., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,851,646; Mar. 29.
Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Mercurial handling of billets and the like. 1,889,039; Nov. 29.
Quinn, Francis J., Chicago, Ill. Trinity sacramental chest. Des. 88,739; Dec. 20.
Quinn, Frank, and L. Wild, Bolton, England. Machine for the scutching, opening, and like treatment of cotton and like fibrous materials. 1,886,044; Nov. 1.
Quinn, Gilbert F., Beachmont, Mass. Rubber sole. 1,861,879; June 7.
Quinn, John J., Scarsdale, N. Y., assignor to Pinaud, Inc., New York, N. Y. Bottle. Des. 87,854; Sept. 27.
Quinn, John J., Scarsdale, assignor to Pinaud, Inc., New York, N. Y. Display container and bottle. 1,849,248; Mar. 15.
Quinn, John J., Scarsdale, N. Y., assignor to Pinaud, Inc., New York, N. Y. Powder puff. 1,873,030; Aug. 23.
Quinn, John P., Sioux City, Iowa. Collapsible and transportable housing structure. 1,863,206; June 14.
Quinn, Philip J., Lincoln, Nebr. Highway protective flag. 1,859,599; May 24.
Quinn, Stephen M., Chicago, Ill. Game apparatus. 1,876,469; Sept. 6.
Quinn, Thomas. (See MacLean, N., Quinn, and Duffy.)
Quinn, Thomas W., Madison, Wis. Expansion joint tool. 1,889,703; Jan. 5.
Quinn Wire & Iron Works. (See Quinn, Charles C., assignor.)
Quintavalle, Bruno A., assignor to Fabbrica Italiana Magneti Marelli Societa Anonima, Milan, Italy. Ignition magneto. 1,844,296; Feb. 9.
Quintenz, Harry L., Chicago, Ill. Valve lock. 1,879,482; Sept. 27.
Quintina, Paolo, Brooklyn, N. Y. Instrument to aid in vocal tone culture. 1,869,391; Aug. 2.
Quintrell, Harry J., Southgate, Calif. Core barrel having core receptacle. 1,857,693; May 10.
Quirk, Justin P., assignor to United Wood Heel Company, St. Louis, Mo. Building heels to shoe. 1,857,475; May 10.
Quiroz, Francisco A., Brooklyn, N. Y. Separating apparatus. 1,861,878; June 7.
Quirt, William A. (See O'Hara, C. T., and Quirt.)
Quist, Frank J., Worcester Mass. Metal brush. 1,878,323; Sept. 20.
Quist, Henry, Brooklyn, N. Y. Portable link sawing machine. 1,861,162; May 31.
Quynn, John W., Parkersburg, W. Va. Pneumatic tire construction. 1,874,120; Aug. 30.
R. M. Company. (See Murray, Howard J., assignor.)
R. M. Company, Inc. (See Murray, Howard J., assignor.)

R. U. V. Company. (See Creighton, Harry M., assignor.)
Raaber, Hans, K. Petschenig, I. Pechau, and E. Elchwalder, Vienna, Austria, assignors to Actiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Sound location device. 1,869,505; Aug. 2.
Raasch, Arnold, et al. (See Bauer, Jacob L., assignor.)
Raasche, Gerhard, assignor to Paul Raasche Söhne, Riga, Latvia. Indicating device for automatic balances. 1,837,870; May 24.
Raasche, Gerhard, assignor to the Firm Paul Raasche Söhne, Riga, Latvia. Automatic balance. 1,859,059; May 17.
Raasche, Paul, Söhne. (See Raasche, Gerhard, assignor.)
Raasche Söhne, Firm Paul. (See Raasche, Gerhard, assignor.)
Rabe, Heinz, Berlin-Wilmersdorf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Automatic furnace regulating device for steam boilers. 1,848,803; Mar. 8.
Rabe, Heinz, Berlin-Wilmersdorf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Automatic fire regulation system for steam boilers. 1,874,619; Aug. 30.
Rabe, Hugo. (See Berthold, H., and Rabe.)
Raber, Joseph, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Pick-up arm. 1,881,942; Oct. 11.
Rabezzana, Hector. (See Duffendack, O. S., and Rabezzana.)
Rabezzana, Hector, Flint, Mich. Internal combustion engine. 1,863,875; June 21.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Fuel pump with air pumping pulsator. 1,840,027; Jan. 12.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,840,528; Jan. 12.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Ignition assembly. 1,847,899; Mar. 1.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,847,965; Mar. 1.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Machine for spark plug manufacture. 1,849,209; Mar. 15.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Equatorially seated spark plug and making the same. 1,852,014; Mar. 29.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug and making the same. 1,872,496; Aug. 16.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Method of forming mica-insulated spark plugs. 1,872,497; Aug. 16.
Rabinowitz, Bertha, Brooklyn, N. Y. Automatically locked and secured receptacle for milk bottles and containers. 1,844,597; Feb. 9.
Rabinowitsch, Saligrym, Brooklyn, assignor of one-half to S. Katcher, New York, N. Y. Finger ring. 1,851,128; Mar. 29.
Rabinowitsch, Efraim, assignor of one-half to E. Rivoche, Paris, France. Process relating to baking and doughmaking. 1,892,076; Dec. 27.
Rabjohn, Lloyd E., Eagle Rock, Calif. Water filter. 1,861,481; June 7.
Rabkin, William, New York, N. Y. Coin controlled mechanism. 1,865,211; June 28.
Rabkin, William, and Max and C. Fleischer, Brooklyn, N. Y., said Fleischer assignor to said Rabkin. Amusement and dispensing device. 1,838,050; Nov. 15.
Rabl & Grun. (See Pawlicek, Leo, assignor.)
Rabourn, Lowell W., Indianapolis, Ind. Automobile door and window ventilator. 1,852,898; Apr. 5.
Rabuck, John A., Louisville, Ky. Car construction. 1,851,117; Mar. 29.
Rabushka, Hyman, assignor to Premium Cap Company, St. Louis, Mo. Cap. 1,839,341; Jan. 5.
Raby, Guy, Table Grove, Ill. Sign support. 1,848,025; Mar. 1.
Raby, Victor R., and D. W. Warren, Los Angeles, Calif. Attachment for motion picture cameras. 1,839,587; Jan. 5.
Rachor, Joseph. (See Eichwede, H., and Rachor.)
Racine Confectioners Machinery Company. (See Walter, William, assignor.)
Racine, Victor C., Fort Worth, Tex. Linoleum accessory vending unit. 1,875,144; Aug. 30.
Rackebrandt, Heinrich, Hannover-Linden, Germany. Heat-responsive closure. 1,868,253; July 19.
Rackleyft, John W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine. 1,868,806; July 26.
Rackleyft, John W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine. 1,868,807; July 26.
Rackstraw, Albert V., Gardena, Calif. Electric incubator. 1,877,585; Sept. 13.
Raconite Chemical Company. (See Stevens, James L., assignor.)
Racy, Gabor, South Norwalk, Conn. Combined screen and shutters. 1,871,557; Aug. 16.
Racz, Emanuel M. (See Sholtz, Richard J., assignor.)
Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Clutch. 1,841,152; Jan. 12.
Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Book holder. 1,841,153; Jan. 12.
Radack, Harry E., New York, N. Y. Convenience outlet. 1,884,219; Oct. 25.
Radasch, Arthur H., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,884,220; Oct. 25.
Radasch, Arthur H., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Coking pitch. 1,891,606; Dec. 20.
Radcliffe, Fred, Scranton, Pa. Car journal lubricator. 1,863,281; June 14.
Radcliffe, Thomas D. (See Mino, E., McCann, Fischer, and Radcliffe.)
Raddatz, Richard. (See Rogers, H. S., and Raddatz.)
Radenacher, Charles E. C., St. Albans, N. Y. Submarine escape. 1,864,471; June 21.
Rader, Earl D., Bedford, assignor to Dexter Folder Company, New York, N. Y. Machine for automatically producing and assembling signatures. 1,882,895; Oct. 18.
Rader, Elisha L., Otis Orchards, Wash. Sign. Des. 87,024; May 24.
Rader, Harold K. (See Robinson, W. M., Lindquist, Rader, and Young.)
Rader, Harold K. (See Robinson, W. M., and Rader.)
Rader, Harold K., assignor to Mueller Brass Co., Port Huron, Mich. Joint. 1,881,943; Oct. 11.
Rader, Robert J., New Rochelle, N. Y., assignor to J. C. Penney Company. Toy vehicle. 1,885,627; Nov. 1.
Radford, Douglas R. (See Lamb, C., Radford, and Riley.)
Radford, Douglas R., Los Angeles, Calif. Wear preventer. 1,861,815; June 7.
Radford, Douglas R., and C. Lamb, Los Angeles, Calif. Two-piece wear-preventer. 1,881,131; Oct. 4.
Radford, George S., New Canaan, Conn., assignor to Belding Heminway Company, New York, N. Y. Spool for thread. 1,851,326; Mar. 29.
Radford, George S., New Canaan, Conn., assignor to Belding Heminway Company, New York, N. Y. Spool for thread. 1,859,842; May 24.
Radford, Lee Wood, Cabarrus, assignor of three-fourths to Jonah L. Hartsell, Concord, N. C. Safety device for carding machines. 1,868,615; July 26.
Radford, Stephen C., Oshkosh, Wis. System for utilizing fluid pressure. 1,874,620; Aug. 30.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Oiling system. 1,891,726; Dec. 20.
Radiant Combustion Engineering Co., The. (See Schutz, Joseph M., assignor.)
Radier, Hendrik H. (See Van Dijck, W. J. D., and Radier.)
Radio Condenser Company. (See Cramer, Stanley S., assignor.)
Radio Condenser Company. (See Cramer, S. S., and Koepping, assignors.)
Radio Condenser Company. (See Gilling, Preston E., assignor.)
Radio Condenser Company. (See Koepping, Emil D., assignor.)
Radio Corporation of America. (See Albersheim, Walter, assignor.)
Radio Corporation of America. (See Albersheim, Walter J., assignor.)
Radio Corporation of America. (See Alexanderson, Ernst F. W., assignor.)
Radio Corporation of America. (See Bagno, Samuel M., assignor.)
Radio Corporation of America. (See Bailey, Christopher E. G., assignor.)
Radio Corporation of America. (See Ballantine, Stuart, assignor.)
Radio Corporation of America. (See Ballantine, S., and Hull, assignors.)
Radio Corporation of America. (See Beverage, Harold H., assignor.)
Radio Corporation of America. (See Beverage, H. H., and Peterson, assignors.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Bicknell, R. S., and Ranger, assignors.)
Radio Corporation of America. (See Biguet, Jacques, assignor.)
Radio Corporation of America. (See Black, Knox C., assignor.)
Radio Corporation of America. (See Bol, Cornelis, assignor.)
Radio Corporation of America. (See Bol, C., Posthumus, Unk. and Morel, assignors.)
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Bryson, Kenneth D., assignor.)
Radio Corporation of America. (See Bruijnes, J., and Van Urk., assignors.)
Radio Corporation of America. (See Cady, Walter G., assignor.)
Radio Corporation of America. (See Callahan, John L., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Chubb, Lewis W., assignor.)
Radio Corporation of America. (See Churchward, Alexander, assignor.)
Radio Corporation of America. (See Conklin, James W., assignor.)
Radio Corporation of America. (See Dalhelmer, Walther, assignor.)
Radio Corporation of America. (See Davis, Wilfrid J., assignor.)
Radio Corporation of America. (See de Belleszine, Henri J. J. M. R., assignor.)
Radio Corporation of America. (See de Boer, J. H., and van Gessel, assignors.)
Radio Corporation of America. (See De Jong, Hendrik, assignor.)
Radio Corporation of America. (See Dijksterhuis, Popko R., assignor.)
Radio Corporation of America. (See Donisthorpe, Horace S. D., assignor.)
Radio Corporation of America. (See Douden, William L., assignor.)
Radio Corporation of America. (See Drake, F. H., and Loughlin, assignors.)
Radio Corporation of America. (See Drake, F. H., Hull, and Loughlin, assignors.)
Radio Corporation of America. (See Dunham, Franklin, assignor.)
Radio Corporation of America. (See Dyksterhuis, Popko R., assignor.)
Radio Corporation of America. (See Eccles, W. H., and Whitaker, assignors.)
Radio Corporation of America. (See Eckersley, Thomas L., assignor.)
Radio Corporation of America. (See Elliott, Harold F., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Ferris, Malcolm, assignor.)
Radio Corporation of America. (See Filippo, Hendrik, assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Foster, Julius E., assignor.)
Radio Corporation of America. (See Franklin, Charles S., assignor.)
Radio Corporation of America. (See Gage, Edward G., assignor.)
Radio Corporation of America. (See Giebe, E., and Scheibe, assignors.)
Radio Corporation of America. (See Gill, Ernest W. B., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Grant, Royal E., assignor.)
Radio Corporation of America. (See Green, Ernest, assignor.)
Radio Corporation of America. (See Grimes, David, assignor.)
Radio Corporation of America. (See Haigis, Carleton D., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hodgson, Alan D., assignor.)
Radio Corporation of America. (See Holst, G., van der Pol, and Posthumus, assignors.)
Radio Corporation of America. (See Holst, G., and Oosterhuis, assignors.)
Radio Corporation of America. (See Hull, Lewis M., assignor.)
Radio Corporation of America. (See Karolus, August, assignor.)
Radio Corporation of America. (See Kelley, Gerard J., assignor.)
Radio Corporation of America. (See Kroesen, Jay C., assignor.)
Radio Corporation of America. (See Kroger, Fred H., assignor.)
Radio Corporation of America. (See Kunze, Walter, assignor.)
Radio Corporation of America. (See La Rue, William D., assignor.)
Radio Corporation of America. (See La Rue, William D., and Wismer, assignors.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Loewe, Siegmund, assignor.)
Radio Corporation of America. (See Loftin, E. H., and White, assignors.)
Radio Corporation of America. (See Luellen, Lawrence W., assignor.)
Radio Corporation of America. (See Maartens, Johannes H. J., assignor.)
Radio Corporation of America. (See Mallina, Rudolph F., assignor.)
Radio Corporation of America. (See Mathieu, Gaston A., assignor.)
Radio Corporation of America. (See Maurer, John A., jr., assignor.)
Radio Corporation of America. (See May, Russell P., assignor.)
Radio Corporation of America. (See Miessner, Benjamin F., assignor.)
Radio Corporation of America. (See Minton, John P., assignor.)
Radio Corporation of America. (See Minton, J. P., and Ringel, assignors.)
Radio Corporation of America. (See Mitteli, Brenchley E. G., assignor.)
Radio Corporation of America. (See Mogridge, Bertie D. L., assignor.)
Radio Corporation of America. (See Moore, John B., assignor.)
Radio Corporation of America. (See Morehouse, Francis G., assignor.)
Radio Corporation of America. (See Morehouse, Terry B., assignor.)
Radio Corporation of America. (See Moser, Wilhelm, assignor.)
Radio Corporation of America. (See Mulder, Johannes G. W., assignor.)
Radio Corporation of America. (See O'Donnell, Patrick J., assignor.)
Radio Corporation of America. (See Offenhauser, William H., jr., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Radio Corporation of America. (See Olson, H. F., and Weinberger, assignors.)
Radio Corporation of America. (See Oosterhuis, E., and Unk, assignors.)
Radio Corporation of America. (See Page, Milton H., assignor.)
Radio Corporation of America. (See Payne, Edwin M., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Radio Corporation of America. (See Quinby, Edwin J., assignor.)
Radio Corporation of America. (See Raber, Joseph, assignor.)
Radio Corporation of America. (See Ranger, Richard H., assignor.)
Radio Corporation of America. (See Ringel, Abraham, assignor.)
Radio Corporation of America. (See Roberts, Walter Van B., assignor.)
Radio Corporation of America. (See Rodwin, George, assignor.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Radio Corporation of America. (See Round, H. J., and Picken, assignors.)
Radio Corporation of America. (See Round, H. J., and West, assignors.)
Radio Corporation of America. (See Schäffer, Walter, assignor.)
Radio Corporation of America. (See Schiff, Frank, assignor.)
Radio Corporation of America. (See Selbt, Georg, assignor.)
Radio Corporation of America. (See Shumard, Charles C., assignor.)
Radio Corporation of America. (See Smith, Theodore A., assignor.)
Radio Corporation of America. (See Snow, Harold A., assignor.)
Radio Corporation of America. (See Snow, H. A., and Hull, assignors.)
Radio Corporation of America. (See Sykes, Adrian F., assignor.)
Radio Corporation of America. (See Teaf, John H., assignor.)
Radio Corporation of America. (See Terrell, John A., assignor.)
Radio Corporation of America. (See Thompsett, Harry A., assignor.)
Radio Corporation of America. (See Tillyer, Edgar D., assignor.)
Radio Corporation of America. (See Tyrell, Wilbur L., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See van der Mark, Jan, assignor.)
Radio Corporation of America. (See van der Pol, Balthasar, assignor.)
Radio Corporation of America. (See van der Pol, B., and Posthumus, assignors.)
Radio Corporation of America. (See Van Dyck, Arthur F., assignor.)
Radio Corporation of America. (See Van Horne, John S., assignor.)
Radio Corporation of America. (See Van Suchtelen, Harold, assignor.)
Radio Corporation of America. (See Vermeulen, Roelof, assignor.)

Radio Corporation of America. (See Weiland, Alfred, assignor.)
Radio Corporation of America. (See Weinberger, Julius, assignor.)
Radio Corporation of America. (See Weinberger, J., and Wolff, assignors.)
Radio Corporation of America. (See Whitaker, A., and Browne, assignors.)
Radio Corporation of America. (See White, Sidney Y., assignor.)
Radio Corporation of America. (See Wismer, Samuel H., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radio Corporation of America. (See Wolff, I., May, and Ringel, assignors.)
Radio Corporation of America. (See Wright, George M., assignor.)
Radio Corporation of America. (See Wright, G. M., and Smith, assignors.)
Radio Corporation of America. (See Yagi, Hidetsugu, assignor.)
Radio Corporation of America. (See Zwikker, Cornelis, assignor.)
Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
Radio Inventions, Inc. (See Alden, Milton, assignor.)
Radio Inventions, Inc. (See Donle, Harold P., assignor.)
Radio Inventions, Inc. (See Gage, Edward G., assignor.)
Radio-Keith-Orpheum Corporation. (See McDowell, Hugh, assignor.)
Radio Patents Corporation. (See Asch, Erich, assignor.)
Radio Patents Corporation. (See Bacharach, George, assignor.)
Radio Patents Corporation. (See Bergstein, Milton, assignor.)
Radio Patents Corporation. (See Falkenthal, Erwin, assignor.)
Radio Patents Corporation. (See Pfiffner, Emil, assignor.)
Radio Patents Corporation. (See Richter, Rudolf, assignor.)
Radio Patents Corporation. (See Weiller, Paul G., assignor.)
Radiovision Corporation. (See Wein, Samuel, assignor.)
Radiovisor Foreign & Colonial Limited. (See Whalen, Francis C., assignor.)
Radium Dial Company. (See Fordyce, R. G., and Talbot, assignors.)
Radium Dial Company. (See Talbot, Harrie F., assignor.)
Radium Emanation Corporation, The. (See Muir, Joseph assignor.)
Rado, Leopold, Berlin-Wannsee, Germany. Device for cutting continuous sheets of a very thin material 1,849,591 ; Mar. 15.
Rado, Leopold, Berlin-Halensee, Germany. Process and apparatus for the production of multicolored representations. 1,850,324 ; Mar. 22.
Rado, Leopold, Berlin-Wannsee, Germany. Corner holder for pictures or the like. 1,870,528 ; Aug. 9.
Radomski, Valerian A., Refugio, Tex. Automatic shutoff for tanks. 1,865,887 ; June 28.
Radtke, Bruno, Libertyville, Ill., assignor to Mills Novelty Company, Chicago, Ill. Coin mechanism. 1,869,616 ; Aug. 2.
Radzievich, Michael, Minersville, Pa. Dump car and dumping attachment therefor. 1,843,885 ; Feb. 2.
Radzinsky, Harry. (See Glaser, Herbert, assignor.)
Rae, Frank B. Berkeley, Calif. Controlling means for signaling apparatus. 1,853,225 ; Apr. 12.
Raeburn, William, Waterbury, Conn., assignor to The Hoge Manufacturing Company, New York, N. Y. Stapling machine. 1,845,186 ; Feb. 16.
Raeck, Max. (See Lange, W., and Raeck.)
Raettig, Alfred W., Ann Arbor, Mich., assignor to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Glue spreading machine. 1,863,545 ; June 14.
Raetz, Stephen J., Lowell, Mass. Ash pan structure. 1,845,187 ; Feb. 16.
Raetz, Stephen J., Lowell, Mass. Locomotive ash hopper mechanism. 1,858,806 ; Nov. 22.
Rafferty, Arthur W. (See Wilkins, C. E., and Rafferty.)
Raffles, Frank, assignor to H. Raffles, Chicago, Ill. Tool holder. 1,863,285 ; Nov. 22.
Raffles, Harry. (See Raffles, Frank, assignor.)
Raffinerie Tirlemontoise, Société Anonyme. (See Bergé, Julien, assignor.)
Raffold Process Corporation. (See Benson, Clyde A., assignor.)
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafter, Albert, assignor to Rafter Machine Company, Bellevue, N. J. Die holder. 1,863,729 ; June 21.
Rafter Machine Company. (See Rafter, Albert, assignor.)
Raftey, William J., Ulster Park, N. Y. Smoker's appliance. 1,858,938 ; May 17.
Raftis, Lillian B., executrix. (See Raftis, Richard W., assignor.)
Raftis, Richard W., deceased ; L. B. Raftis, executrix, assignor to L. B. Raftis, Chicago, Ill. Wall. 1,866,129 ; July 5.
Rafton Engineering Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Lawrence, Mass., assignor to Rafton Engineering Corporation. Strainer system. 1,843,242 ; Feb. 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,848,658 ; Mar. 8.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,848,659 ; Mar. 8.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Production of improved alkaline filler. 1,879,483 ; Sept. 27.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 1,886,120 ; Nov. 1.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,892,471 ; Dec. 27.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,892,472 ; Dec. 27.
Ragar, Elmer, assignor to Delco Products Corporation, Dayton, Ohio. Commutator and making same. 1,847,725 ; Mar. 1.
Ragan, Fred H., assignor to The Columbia Axle Company, Cleveland, Ohio. Engine starter. 1,843,987 ; Feb. 9.
Ragan, Frederick H., Cleveland, Ohio. Brake operating mechanism. 1,863,282 ; June 14.
Ragan, Frederick H., Cleveland, Ohio. Brake mechanism. 1,863,316 ; Oct. 18.
Ragan, Frederick H., Cleveland, Ohio. Brake operating mechanism. 1,883,317 ; Oct. 18.
Ragan, Frederick H., Cleveland, Ohio. Brake operating mechanism. 1,883,318 ; Oct. 18.
Ragan, Frederick H., Cleveland, Ohio. Brake mechanism. 1,884,356 ; Oct. 25.
Ragan, Frederick H., Shaker Heights, assignor to The Columbia Axle Company, Cleveland, Ohio. Making worm gears. 1,847,843 ; Mar. 1.
Ragan, Frederick H., Shaker Heights, assignor to The Columbia Axle Company, Cleveland, Ohio. Brake mechanism. 1,852,997 ; Apr. 5.
Ragan, Frederick H., Shaker Heights, assignor to The Columbia Axle Company, Cleveland, Ohio. Closure means for universal joints. 1,854,667 ; Apr. 19.
Ragan, Frederick H., Shaker Heights, Ohio. Making axle housings. 1,888,835 ; Nov. 22.
Ragan, Louis A., St. Louis, Mo., assignor to The Barrett Company, New York, N. Y. Container and conciting and self-fastening cap therefor. 1,859,003 ; May 17.
Ragan, Ralph, Atlanta, Ga. Heddle frame for looms. 1,851,926 ; Nov. 8.
Ragan, Stanley P., Chicago, Ill. Window lock. 1,881,944 ; Oct. 11.
Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. High vacuum steam distillation. 1,847,625 ; Mar. 1.
Ragatz, Edward G., Berkeley, assignor to Union Oil Company of California, Los Angeles, Calif. Distilling oil. 1,862,063 ; June 7.
Rager, John C., Shelbyville, Ind. Tecter board. 1,866,906 ; July 12.
Ragon, Earl, Dickinson, N. Dak. Gas burner. 1,887,040 ; Nov. 8.
Ragsdale, Earl J. W. (See Ledwinka, J., and Ragsdale.)
Ragsdale, Earl J. W., Norristown, Pa. Constructing airplane fuselages. 1,868,073 ; July 19.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft structure and making same. 1,851,211 ; Mar. 29.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Securing device for aircraft coverings. 1,851,212 ; Mar. 29.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Glider construction. 1,865,059 ; June 28.
Ragsdale, Earl J. W., Norristown, assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle brake. 1,880,477 ; Oct. 4.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Airplane structure. 1,880,478 ; Oct. 4.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Airplane truss joint construction. 1,880,479 ; Oct. 4.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Airplane structure and making same. 1,880,480 ; Oct. 4.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Aircraft construction and making same. 1,880,481 ; Oct. 4.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Light metallic truss structure. 1,884,221 ; Oct. 25.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Portable welding apparatus. 1,884,222 ; Oct. 25.
Ragsdale, Edward T., Flint, assignor to General Motors Corporation, Detroit, Mich. Hood catch. 1,872,184 ; Aug. 16.

Rah, Joseph, assignor to The Delta Star Electric Company, Chicago, Ill. Top cap assembly for high voltage bushings. 1,877,586; Sept. 13.
Rah, Joseph, assignor to The Delta-Star Electric Company, Chicago, Ill. Insulating joint. 1,884,223; Oct. 25.
Rah, Joseph, assignor to G. & W. Electric Specialty Company, Chicago, Ill. Insulating joint. 1,888,241; Nov. 22.
Rah, Joseph assignor to G. and W. Electric Specialty Company, Chicago, Ill. Fothead. 1,889,570; Nov. 29.
Rahm, Eugen. (See Kümmel, Reinhold, assignor.)
Rahmann, Emil, Teltge, Germany. Making artificial resin and wax and the like from coal. 1,853,699; Apr. 12.
Raible, Charles G., Shaker Heights, Ohio. Chaplet. 1,877,049; Sept. 13.
Rail Joint Company, The. (See Armstrong, Victor C., assignor.)
Rail Joint Company, The. (See Gadd, William E., assignor.)
Rail Joint Company, The. (See Muller, George W., assignor.)
Rail Joint Company, The. (See Schermerhorn, Edwards F., assignor.)
Rail Joint Company. (See Wolhaupter, David P., assignor.)
Rail Joint Reforming Company, The. (See Disbrow, Clarkson A., assignor.)
Railroad Accessories Corporation. (See Lavarack, F. C. and W. H. B., assignors.)
Railroad Accessories Corporation. (See Lavarack, William H., assignor.)
Railroad Supply Company, The. (See Gower, William A., assignor.)
Railway and Industrial Engineering Company. (See Massey, Hemsley R., assignor.)
Railway & Industrial Engineering Company. (See Medlin, John, assignor.)
Railway-Highway Devices Corporation. (See Davison, Clarence M., assignor.)
Railway Safety Switch Lock Company. (See Adams, A. A., and Morse, assignors.)
Railway Service and Supply Corporation. (See Brockett, Binford W., assignor.)
Railway Service & Supply Corporation. (See Grisbaum, Leonard D., assignor.)
Railway Service & Supply Corporation. (See Grisbaum, L. D., Dwyer, and Pearce, assignors.)
Railway Service and Supply Corporation. (See Pearce, Edwin S., assignor.)
Railway Utility Company. (See Hartwig, William G., assignor.)
Rainbow Light, Inc. (See Machlett, Raymond R., assignor.)
Rainbow Light, Inc. (See Young, Frederick W., assignor.)
Rainey, Clement A., Riverside, Ill. Condensing apparatus. 1,891,607; Dec. 20.
Rainey, Clifton K., Knoxville, Tenn., assignor to Accounting Equipment Corporation. Account system. 1,849,382; Mar. 15.
Rainey, Paul M., assignor to Combination Selector Company, Incorporated, Montclair, N. J. Record-selecting system. 1,863,353; June 14.
Rainier, Harry, Los Angeles, Calif. Connecting means for side rails and posts of bedsteads. 1,871,199; Aug. 9.
Rainsford, Thomas F., Detroit, assignor to Whitebend and Kales Company, River Rouge, Mich. Rim rolling machine. 1,876,747; Sept. 13.
Rainwater, Carl A., Snohomish, Wash. Identification nest for hens and their eggs. 1,842,839; Jan. 26.
Rainwater, Harold, Dayton, Wash. Land clearing and pulverizing machine. 1,862,035; June 7.
Rairden, Albert S., Hamden, Conn. Manufacture of dead lay wire rope. 1,892,632; Dec. 27.
Raisch, Charles F., assignor to Alemite Corporation, Chicago, Ill. Centralized lubricating system. 1,881,945; Oct. 11.
Raisbeck, Frank, assignor to Deere & Company, Moline, Ill. Fertilizer distributor. 1,877,966; Sept. 20.
Raisch, William, Forest Hills, assignor to Municipal Sanitary Service Corporation, New York, N. Y. Rotary brush. 1,871,007; Aug. 9.
Raisiss, George W., and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Iodized oil for roentgenographic work. 1,876,023; Aug. 2.
Rajah Company, The. (See Rowley, Charles A., assignor.)
Rajotte, Arthur J., Manchester, N. H. Winding machine. 1,855,986; Apr. 26.
Rakowitzky, Hirsch. (See Rakowitzky, Selman and H.)
Rakowitzky, Selman and H., Vienna, Austria. Manufacture of book matches from continuous strips. 1,854,063; Apr. 12.
Ralco Manufacturing Co. (See Lofgren, John, assignor.)
Raleigh, John L. (See McCauley, William A., assignor.)
Raleigh, Walter P., Ames, Iowa, assignor to Pittsburgh Plate Glass Company. Disinfecting corn and like seed and disinfectant used therein. 1,871,200; Aug. 9.
Raleigh, Walter P., Ames, Iowa, and C. B. Dickey, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Disinfecting seeds. 1,875,494; Sept. 6.
Raley, Norman C. (See Spellacy, J. B., and Mead, assignors.)
Rall, Max, and F. Allendorff, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Resilient gear. 1,840,277; Jan. 5.
Rall, Max, Stuttgart, and H. Bischoff, Stuttgart-Botnang, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Lubrication of bearings. 1,884,224; Oct. 25.
Ralls, Blount, Bronxville, N. Y. Educational device. 1,854,999; Apr. 19.
Ralph, Francis P., Butte, Mont. Piston ring gauge. 1,865,388; June 28.
Ralston Purina Company. (See Scanlan, Robert W., assignor.)
Ralph, Laura J., administratrix. (See Ralph, Nate.)
Ralph, Nate, deceased, Winona, Minn.; L. J. Ralph, administratrix of said Nate Ralph. Electric switch device. 1,866,422; July 5.
Ralston, E. E. (See Erlanger, Jacques, assignor.)
Ralston, Hurley C. (See Chubb, K. A., Ralston, and Williams.)
Ralston, Oliver C., assignor to United Verde Copper Company, Clarkdale, Ariz. Metallurgy of complex ores. 1,851,594; Mar. 29.
Ralston, Oliver C., and C. R. Kuzell, assignors to United Verde Copper Company, Clarkdale, Ariz. Treatment of matte. 1,886,903; Nov. 8.
Ralston, Robert P., New Concord, Ohio. Attachment for barber chairs. 1,870,747; Aug. 9.
Ralston, William E., assignor of one-half to W. A. Harris, Fort Worth, Tex. Shoe stretching device. 1,862,940; June 14.
Ralston, William S., assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa. Liquid level regulator. 1,875,145; Aug. 30.
Ramage, James, Hartford, Conn. Book support. 1,879,484; Sept. 27.
Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Degasifying metal bodies. 1,842,200; Jan. 19.
Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Heater element for electron emission devices. 1,871,343; Aug. 9.
Ramage, William H., Girard, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Ingot mold. 1,841,914; Jan. 19.
Ramage, William H., Trumbull County, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Closed bottom ingot mold. 1,879,485; Sept. 27.
Ramapo Ajax Corporation. (See Bender, William, assignor.)
Ramapo Ajax Corporation. (See Perdue, Whittier, assignor.)
Rambo, Harry L., T. Addison, and G. Langen, assignors to The Cincinnati Planer Company, Cincinnati, Ohio. Feed mechanism for machine tools. 1,842,425; Jan. 26.
Rambo, James H., assignor to Sexton Manufacturing Company, Fairfield Ill. Apparel garment. 1,867,630; July 19.
Rambo, Winston T., Chicago, Ill. Soap dispensing. 1,852,821; Apr. 5.
Rambold, Adolf, Dresden, Germany. Machine for closing little bags. 1,863,141; July 26.
Rambusch Decorating Company. (See Rambusch, Harold W., assignor.)
Rambusch, Harold W., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Tabernacle. 1,882,093; Oct. 11.
Rambush, Niels E., assignor to The Power Gas Corporation, Limited, Stockton-on-Tees, England. Apparatus for the automatic operation of machines. 1,878,888; Sept. 20.
Ramclaw, Axel. (See Bihl, William E.)
Ramclaw, Axel. (See Bihl, W. E., and Ramclaw.)
Ramelli, Andrew D., New Orleans, La. Angle block. 1,869,278; July 26.
Ramey, Blaine B., Stoneleigh, assignor to The Black & Decker Manufacturing Company, Towsen, Md. Portable cutting tool. 1,858,459; May 17.
Ramey, Nancy I., Salem, Oreg. Swing. 1,870,748; Aug. 9.
Ramig, Frederick A., Brooklyn, N. Y. Handkerchief or similar article. Des. 88,257; Nov. 8.
Ramirez, Angel. (See Crespos, A., and Ramirez.)
Rammage, Arthur W., Wandsworth, London, assignor to Trough Decking Limited, London, England. Metal decking. 1,847,870; Mar. 1.
Rammer, Edward F., Appleton, Wis. Brick. 1,855,987; Apr. 26.
Ramont, William F., Glendale, Calif. Tie and collar stay. 1,875,886; Sept. 6.
Ramp Buildings Corporation. (See d'Humy, Fernand E., assignor.)
Ramsay, Allan, assignor to Hendrick Manufacturing Company, Carbondale, Pa. Perforating sheet rubber. 1,862,833; June 14.
Ramsay, Andrew C., and R. T. Bacby, Birmingham, Ala. Metallic tire cover. 1,891,727; Dec. 20.
Ramsay, Cecil G., Liverpool, England. Control of the fuel injection in water tube boilers. 1,851,924; Mar. 29.
Ramsay, William F., Hartford, Conn. Double pole electric switch. 1,852,899; Apr. 5.
Ramsburg, Charles J., Edgeworth, Pa., assignor to The Koppers Company. Producing carburetted gas and hydrocarbon motor fuel. 1,846,403; Feb. 23.

Ramsburg, Charles J., Edgeworth, Pa., assignor to The Koppers Company, Recovering light oils, motor fuel and the like. 1,872,808; Aug. 23.

Ramsdell, Bentley F. (See Keown, John M., assignor.)

Ramsdell, Henry P., trustee. (See Strickland, David J., assignor.)

Ramsden, John T. (See Wallace, F. R., and Ramsden.)

Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Jarring follower, pattern drawing, moulding machine. 1,869,865; Aug. 2.

Ramsdell, Henry P., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Straight line guide for molding and other machines. 1,882,446; Oct. 11.

Ramsey Accessories Manufacturing Corporation. (See Marien, Melvin W., assignor.)

Ramsey Accessories Manufacturing Corporation. (See Marien, John E., assignor.)

Ramsey, Allan, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Disconnecting switch. 1,845,188; Feb. 16.

Ramsey, Charles A., Paterson, N. J. Change mechanism for looms. 1,869,822; Aug. 2.

Ramsey, De Witt, Miami, Fla. Boat motor mounting. 1,850,711; Mar. 22.

Ramsey, Edgar H., Jacksonville, Fla. Illuminated sign. 1,840,740; Jan. 12.

Ramsey, Edward J., New York, N. Y. Shoe. 1,843,517; Feb. 2.

Ramsey, Elmer R., Larchmont, N. Y., and A. W. Bull, Naugatuck, Conn., assignors, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Manufacture of sugar. 1,860,321; May 24.

Ramsey, George. (See Acheson, A. M., and Ramsey.)

Ramsey, George. (See Fagan, C. D., and Ramsay.)

Ramsey, George, Jerry, J. E., and Ramsey.)

Ramsey, George, Brooklyn, N. Y. Extrusion rolling. 1,851,063; Mar. 29.

Ramsey, George, Brooklyn, N. Y. Method of and apparatus for sound recording. 1,851,327; Mar. 29.

Ramsey, George, Brooklyn, N. Y. Light meter and view scope for cameras. 1,870,464; Aug. 9.

Ramsey, James G., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Method of and apparatus for stock manipulation. 1,844,794; Feb. 9.

Ramsey, Joseph D., Dorchester, Mass. Valve. 1,859,218; May 17.

Ramsay, William S., assignor to The Allen Filter Company, Toledo, Ohio. Water cooler. 1,886,424; Nov. 8.

Ramsey, William F., Okanogan, and A. T. Gossman, Wenatchee, Wash. Rake. Assignor to said Gossman. Peach. Pl. Pt. 51; Dec. 20.

Ramsdell, Henry P., trustee. (See Strickland, David J., assignor.)

Ramstad, Jorgen. (See Ross, T. E., and Ramstad.)

Ramsthaler, Louis, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Ferrule for tubes. 1,863,069; June 14.

Ramus, Carl, Evansville, Ind., assignor to The Lionel Corporation, New York, N. Y. Connecter for toy railroads. 1,846,223; Feb. 23.

Ramus, James A., Oakland, Calif. Noiseless type action for typewriters. 1,870,741; May 10.

Ranasey, John, Brooklyn, N. Y. Flying control for airplanes. 1,855,988; Apr. 26.

Ranck, Esta W., Central Aguirre, P. R. Masonry wall and well unit. 1,880,699; Oct. 4.

Rancke, Albert H., Hinsdale, assignor to The Petersen Oven Company, Chicago, Ill. Release device for drive mechanism for bake ovens. 1,879,486; Sept. 27.

Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Rotary index. 1,849,049; Mar. 8.

Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Filing device. 1,851,595; Mar. 29.

Rand, Charles F., North Tonawanda, N. Y. Pyroxylin plastic tab or facing and securing the same to an article. 1,891,443; Dec. 20.

Rand, Frank E. (See Hutton, Albert D., assignor.)

Rand, James H., jr., Buffalo, and E. Ohnstrand, Kenmore, assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. File cabinet. 1,876,748; Sept. 13.

Rand, James H., jr., Buffalo, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,868,686; Nov. 20.

Rand McNally & Company. (See Beyer, Paul P., assignor.)

Rand McNally & Company. (See Hanses, William A., assignor.)

Rand McNally & Company. (See Johnson, William E., assignor.)

Rand, Rufus R., jr., Wayzata, Minn. Airplane. Des. 86,744; Apr. 12.

Randall, Albert B., Whitestone, N. Y. Hinged fastening device. 1,840,604; Jan. 12.

Randall, Chester J., Woonsocket, assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Vulcanization of rubber. 1,871,083; Aug. 9.

Randall Company, The. (See Randall, Howard D., assignor.)

Randall, Cyril E., London, and L. R. Thompson, Hendon, London, assignors to John C. Savage, London, England. Projection apparatus. 1,842,840; Jan. 26.

Randall, Edison E., Kankakee, assignor to Paramount Textile Machinery Co., Chicago, Ill. Looping machine. 1,853,377; Apr. 12.

Randall, Frank E. (See Colman, W. A., and Randall.)

Randall, George W., Washington, D. C. Bedpan. 1,872,809; Aug. 23.

Randall, Henry C. P., Northampton, England. Boot and shoe. 1,860,689; May 31.

Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Rubber set hair window channel. 1,843,433; Feb. 2.

Randall, Howard D., Cincinnati, Ohio, assignor to The Randall Company. Runway for sliding panes. 1,873,031; Aug. 23.

Randall, Howard D., Cincinnati, Ohio, assignor to The Randall Company. Fabricating a runway. 1,876,166; Sept. 6.

Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Truck circuit breaker. 1,842,201; Jan. 19.

Randall, Karl C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Distributing panel. 1,884,225; Oct. 25.

Randall, Louis G., Milwaukee, assignor to E. R. Wagner Mfg. Co., North Milwaukee, Wis. Fastening device for automobile hoods. 1,890,695; Dec. 13.

Randall, Meredith S. (See Woodall, H. J., and Randall.)

Randall, Norman, Cleveland, and J. B. Dillard, Cleveland Heights, assignors to The Cleveland Twist Drill Company, Cleveland, Ohio. Extractor for screws and the like. 1,863,048; June 14.

Randall, Phil. (See Knight, C. H., and Randall.)

Randall, Richard W., and J. C. Koch, Stockton, Calif. Tube cleaner. 1,883,478; Aug. 23.

Randall, William H., Chicago, Ill. Steam trap. 1,884,857; Oct. 25.

Randall, William W., Newark, N. J. Detachable body freight car. 1,843,988; Feb. 9.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,877,654; Sept. 6.

Randel, Bo Folke, San Diego, Calif. Refrigerating apparatus. 1,882,251; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,252; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,253; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,254; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,255; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,256; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,257; Oct. 11.

Randel, Bo Folke, San Diego, Calif. Refrigeration. 1,882,258; Oct. 11.

Randel, Bo Folke, San Diego, Calif., assignor to C. A. Dunham Company, Marshalltown, Iowa. Refrigerating apparatus and method. 1,882,259; Oct. 19.

Randel, Bo Folke, San Diego, Calif., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heating with water. 1,870,024; Aug. 2.

Randel, Bo Folke, San Diego, Calif., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,874,621; Aug. 30.

Randolph, Alfred, and E. S. Dawson, assignors to The Deming Company, Salem, Ohio. Automatic oiling system. 1,869,776; Aug. 2.

Randolph, Carl A., Rock Island, Ill. Frost and moisture absorber for windows. 1,861,242; May 31.

Randolph, Charles P., Oak Park, assignor to Edison Electric Appliance Company, Chicago, Ill. Gasket. 1,884,226; Oct. 25.

Randolph, Donald W., and J. T. Ford, assignors to A C Spark Plug Company, Flint, Mich. Diaphragm for fuel pumps and making same. 1,847,445; Mar. 1.

Randolph, Frank K., assignor to General Salt Company, Los Angeles, Calif. Auto-oxidative process of recovering iodine from brines. 1,848,081; Mar. 1.

Randolph, Guy P., assignor to W. O. Thompson, Pasadena, Calif. Desk memorandum device. 1,875,146; Aug. 30.

Randolph, John W., Auburn, Ala., dedicated to the free use of the Public. Apparatus for seed planters. 1,892,250; Dec. 27.

Randolph, King M., assignor of forty one-hundredths to Cary F. Spence, Knoxville, Tenn. Garment bag. 1,891,689; Dec. 20.

Randolph, Oliver W., Toledo, Ohio. Descending tray drier. 1,881,062; Oct. 4.

Randolph, Oliver W., Toledo, Ohio. Multiple tray drier. 1,881,063; Oct. 4.

Raney, Clemma R. (See Johnston, E. A., and Raney.)

Raney, Clemma R., Riverside, Ill., assignor to International Harvester Company. Windrow harvester. 1,859,168; May 17.

Raney, Clemma R., Riverside, Ill., assignor to International Harvester Company, Grain binder. 1,880,483; Oct. 4.

Raney, Clemma R., Riverside, and A. B. Welty, Chicago, Ill., assignors to International Harvester Company, Harvester thresher. 1,842,704; Jan. 26.
Raney, Clemma R., Riverside, and L. P. Millard, Chicago, Ill., assignors to International Harvester Company, Harvester thresher. 1,859,219; May 17.
Raney, Clemma R., Riverside, and R. B. Hitchcock, Chicago, Ill., assignors to International Harvester Company. Ear conveyer for husking rolls. 1,880,482; Oct. 4.
Raney, Estel C., Columbus, Ohio. Electric switch. 1,850,771; Mar. 22.
Raney, Estel C., Columbus, Ohio. Defroster. 1,867,711; July 19.
Raney, Estel C., Columbus, Ohio. Refrigerator control. 2,871,967; Sept. 20.
Raney, William J., Memphis, Tenn. Sanitary carton holder. 1,869,944; Aug. 2.
Rangel, Jose Sr., Habana, Cuba. Vehicle wheel. 1,885,545; Nov. 1.
Ranger, Richard H. (See Bicknell, R. S., and Ranger.)
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Recording system. 1,841,452; Jan. 19.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Reproducing and transmitting pictures. 1,848,833; Mar. 8.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Reproducing and transmitting pictures. 1,848,840; Mar. 8.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Picture transmission. 1,857,329; May 10.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Picture transmission. 1,857,330; May 10.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Tone stabilizing. 1,867,171; July 12.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Photographic strip feeding mechanism. 1,867,172; July 12.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Tube commutator. 1,873,785; Aug. 23.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Selective channeling system. 1,873,786; Aug. 23.
Rangnow, Albert F., Los Angeles, Calif. Anti-vibration device. 1,859,437; Aug. 2.
Ranieri, Luigi, Rome, Italy, assignor of one-half to C. D. Di Frasso. Cinematographic projector, camera, and the like. 1,858,094; May 10.
Ranke, Gisbert, Maspeth, N. Y. Propelling and steering boats. 1,863,940; June 21.
Ranke, Gisbert, Maspeth, N. Y. Boat propelling device. 1,864,857; June 28.
Rankin, Lanning F., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Drying oil. 1,886,586; Nov. 8.
Rankin, Lanning P., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparing xanthates of terpene alcohols. 1,886,587; Nov. 8.
Rankin, Walter P., Boston, Mass. Treating leatherboard. 1,861,963; June 9.
Rankin, William A., assignor to The Swarzbaugh Manufacturing Company, Toledo, Ohio. Waffle. 1,854,224; Apr. 19.
Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Electric switch operating mechanism. 1,873,787; Aug. 23.
Rankine, Andrew, Lachine, Quebec, assignor to Canada Malting Company, Limited, Montreal, Canada. Shelling machine. 1,867,986; July 19.
Ranney, Allen G., San Antonio, Tex. Golf game. 1,858,750; May 17.
Ranney, Leo, New York, N. Y. Degasifying coal and other carbonaceous material in situ. 1,867,758; July 19.
Ranney, Leo, New York, N. Y., assignor to Standard Oil Development Company. Oil recharging and recovery method and apparatus. 1,851,440; Mar. 29.
Ranney, Leo, New York, N. Y., assignor to Standard Oil Development Company. Apparatus for simultaneously recovering oil in mine wells. 1,884,858; Oct. 25.
Ranney, Leo, New York, N. Y., assignor to Standard Oil Development Company. Method of and apparatus for installing mine wells. 1,884,859; Oct. 25.
Ranney, Leo, New York, N. Y., and L. C. Uren, assignors to Standard Oil Development Company. Developing impermeable barriers in porous media. 1,870,869; Aug. 9.
Ranney, Willet B., assignor to Wm. Wrigley Jr., Company, Chicago, Ill. Stapling machine. 1,874,622; Aug. 30.
Ransom, Moritz C., Minneapolis, Minn. Aerial toy. 1,858,460; May 17.
Ransom, William L., Takoma Park, Md., assignor to Graham-White Sander Corporation, Roanoke, Va. Valve for locomotive sanders. 1,884,227; Oct. 25.
Ransome Concrete Machinery Company. (See Bushnell, James E., assignor.)
Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
Ransome Concrete Machinery Company. (See Robinson, Arthur P., assignor.)
Ransomes & Rapier Limited. (See Lewis, Robert S., assignor.)
Ransomes & Rapier Limited. (See Richards, Arthur, assignor.)
Ransomes, Sims & Jefferies, Limited. (See Garrett, Frank, assignor.)
Ranstead, Norman H. (See Jenkins, U. S., Ranstead, and Hildebrandt.)
Ranstead, Norman H., assignor to Jenkins Petroleum Process Company, Chicago, Ill. Effecting visuality by reflected light. 1,859,682; May 24.
Ransy, Ulric, Stavelot, Belgium. Veterinary appliance for facilitating the parturition of cows in calf. 1,885,945; Nov. 1.
Rantine, Daniel W., Brooklyn, N. Y. Vegetable cutter. 1,864,147; June 21.
Rantsch, Edward J., Hollis, assignor to Excelsior Stationery Company, New York, N. Y. Combination desk and pocket seal. 1,852,587; Apr. 5.
Rantz, Jock, San Francisco, Calif. Instant note finder. 1,844,976; Feb. 16.
Raou, Juan, Buenos Aires, Argentina. Automatic fire extinguishing valve for oil wells. 1,886,737; Nov. 8.
Rapein, Robert, Chemnze, Mayenne, assignor to Société à Responsabilité Limitée Consortium General de l'Industrie Foraine, Paris, France. Amusement apparatus. 1,873,216; Aug. 23.
Rapid Pavement Breaker Corporation. (See Cornett, Walter V., assignor.)
Rapidryer Manufacturing Company. (See Basow, Hayman A., assignor.)
Rapids, Felix R., Chicago, Ill. Hair cleaning device. 1,853,226; Apr. 12.
Rapids, Felix R., Chicago, Ill. Hair cleaning device. 1,859,714; May 24.
Rapisarda, Edward D. (See Bausman, A. L., and Rapisarda.)
Rapisardi, Alfio, Boston, Mass. Phonograph. 1,856,428; May 3.
Rapley, Harold H., Bedford, England. Newspaper conveyer. 1,857,605; May 10.
Rapley, Harold H., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Conveyer. 1,858,416; May 17.
Rapp, Pierre F. J., Fontenay Sous Bois, France. Portable spraying apparatus. 1,880,331; Oct. 4.
Rappaport, Dario, New York, N. Y., assignor, by mesne assignments, to Transamerica Products Co., Inc. Telephone attachment. 1,851,445; Mar. 29.
Rappaport, Dario, New York, assignor to Transamerica Products Co. Inc., Brooklyn, N. Y. Telephone attachment. 1,878,601; Sept. 20.
Rappaport, Paul, Brooklyn, N. Y. Coin mechanism for vending machines. 1,854,668; Apr. 19.
Rappeport, William A., et al. (See Krutt, Israel, assignor.)
Rappold, George W., Maspeth, N. Y. Pencil sharpener. 1,842,917; Jan. 26.
Rapprich, Hermann, Duren-on-the-Rhine, Germany. System for controlling valves or gates. 1,880,278; Oct. 4.
Rapprich, Gustave, West New York, N. J. Hygienic couch. 1,851,115; May 3.
Rapsch, Gustav, Great Neck, N. Y. Lawn rake. 1,858,641; May 17.
Rarig, Walter A., Oakland, Calif. Power device. 1,861,880; June 7.
Rasch, Royal H., et al. (See Richter, G. A., Schur, and Rasch.)
Rasch, Royal H. (See Schur, M. O., and Rasch.)
Rasch, Royal H. (See Schur, M. O., Rasch, and Hoos.)
Rasche, Rudolph A., assignor to Dunnam Co. Preparing apples for freezing. 1,877,587; Sept. 13.
Rasco, Charles A., assignor of one-half to L. C. Chambers, San Francisco, Calif. Mechanical movement. 1,870,749; Aug. 9.
Rashbaum, L. J., et al. (See Davis, Donald P., assignor.)
Rashevsky, Nicolas, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic device. 1,840,130; Jan. 5.
Rashland, Anita B., assignor of one-half to L. Fahrney, Frederick, Md. Handbag. 1,841,316; Jan. 12.
Raskin, Harry, New York, N. Y. Vehicle radiator guard. Des. 86,769; Feb. 16.
Raskin, Harry, New York, N. Y. Guard for vehicles. 1,884,228; Oct. 25.
Raskin, Jacob, New York, N. Y. Picture or mirror frame. 1,865,680; Feb. 28.
Rasmussen, Alvin C. (See Schmid, C. G., and Rasmussen.)
Rasmussen, Alvin C., R. Dorward, and L. C. Gerow, assignors to Insley Manufacturing Company, Indianapolis, Ind. Ditcher. 1,851,139; Mar. 29.
Rasmussen, Alvin C., R. Dorward, and L. C. Gerow, assignors to Insley Manufacturing Company, Indianapolis, Ind. Ditcher. 1,851,152; Apr. 12.
Rasmussen, Andrew, and W. S. Goodell, Racine, Wis. Automatic trip device. 1,856,402; May 3.
Rasmussen, Andrew and W. S. Goodell, Racine, Wis. Automatic controller. 1,867,376; July 12.
Rasmussen, Arnold, Greenwich, Conn. Bracket as a support for scaffolds. 1,878,642; Sept. 20.
Rasmussen, Arnold R., Sharon, N. Dak. Hanging clothes. 1,864,028; June 21.
Rasmussen, Carl P., Chicago, Ill. Expanston bolt. 1,851,292; Mar. 29.

Rasmussen, Chester A., et al. (See Dean, G. L., and Hilton, assignors.)
Rasmussen, Chester A. (See Hicklos, E. J., and Rasmussen.)
Rasmussen, Chester A. (See Trout, William A., assignor.)
Rasmussen, Chester A., Long Beach, Calif. Plug for well tubes. 1,842,116; Jan. 19.
Rasmussen, Chester A., Long Beach, Calif. Casing head. 1,859,793; May 24.
Rasmussen, Chester A., Long Beach, assignor of one-half to W. A. Trout, Los Angeles, Calif. Blowout preventer and well sealing means. 1,861,755; June 7.
Rasmussen, Chester A., Long Beach, and W. A. Trout, Los Angeles, Calif. Blowout preventer. 1,872,498; Aug. 16.
Rasmussen, Christian A., Cleveland, Ohio. Spring. 1,888,469; Nov. 22.
Rasmussen, Edwin W., Denmark, Wis. Switch. 1,877,692; Sept. 13.
Rasmussen, Holden V., Portland, Oreg. Baling press for newspapers and the like. 1,856,885; May 3.
Rasmussen, Osvald E., Lincoln Park, N. J., assignor to Vincent Lombardi, Brooklyn, N. Y. Knitting machine. 1,860,946; July 12.
Rasmussen, Robert P., Glen Ellyn, Ill. Cooling products. 1,863,207; June 14.
Rasmussen, Signal P., Standard, Alberta, Canada. Grain cleaner and loader. 1,843,404; Feb. 2.
Rasmussen, Sophus. (See Olsen, W., and Rasmussen.)
Rasneer, Harry F. (See McHugh, A. C., and Rasneer.)
Rasner, Roy A., Nashville, Tenn. Saw. 1,855,311; Apr. 26.
Raso, Daute, Brooklyn, N. Y., assignor to Maximilian P. Janicke, Milwaukee, Wis. Automatic gas igniter. Re18,339; Jan. 19.
Raspe, Friedrich, Leverkusen, near Cologne, and P. Weise, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing highly concentrated titanium sulphate solutions. 1,849,153; Mar. 15.
Raspe, Friedrich, Leverkusen, and P. Weise, Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-Main, Germany. Solid titanic sulphates. 1,850,154; Mar. 22.
Rassmann, F., Manufacturing Company. (See Rassmann, Hugo C., assignor.)
Rassmann, Hugo C., Beaver Dam, Wis., assignor to F. Rassmann Manufacturing Company. Stall or stanchion. 1,888,490; Nov. 22.
Raster, Walther, assignor to Justrite Manufacturing Company, Chicago, Ill. Display card. 1,858,461; May 17.
Rastetter, William C., Fort Wayne, Ind. Folding structure. 1,865,139; June 28.
Rastetter, William C., Fort Wayne, Ind. Folding armchair. 1,879,487; Sept. 20.
Ratajczak, Thomas J., Troy, Ohio. Washing machine. 1,866,519; July 5.
Ratajczak, Thomas J., Troy, and J. C. Slager, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 1,872,004; Aug. 16.
Ratcliffe, John W. (See Bruce, R. A., Hill, and Ratcliffe.)
Rateau, Henri, Weirton, W. Va. Helmet. 1,860,690; May 31.
Ratel, Maurice, Bievres, France. Stoker. 1,867,474; July 12.
Rath, Curt, Opladen, assignor to the Firm Schering-Kahlbaum, A. G., Berlin, Germany. Compounds of the pyridine series. 1,870,993; Aug. 2.
Rath, David E., Dubuque, Iowa. Potato sacker. 1,881,030; Oct. 4.
Rath, John W., Waterloo, Iowa. Identifying products of a particular origin. 1,859,467; May 24.
Rath, William C., New York, N. Y. Traveling bag. 1,841,154; Jan. 12.
Rathbone, Wofford R., Hammond, and V. G. McPherson, New Orleans, La. Gauge. 1,886,304; Nov. 1.
Rathbun, George J., Toledo, Ohio. Oil-electric engine structure. 1,855,419; Apr. 26.
Rathbun, John B., assignor of one-half to F. C. Wellman, Chicago, Ill. System of television. 1,870,465; Aug. 9.
Rathbun, John J., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dual drive mechanism. 1,864,217; June 21.
Rathbun, Louis C., Oelwein, Iowa. Coin-controlled exhibition apparatus. 1,880,454; Oct. 4.
Rathbun, Merrill, assignor to Norton Laboratories, Inc., Lockport, N. Y. Connecting knobs to shafts. 1,859,794; May 24.
Rather, Clifton V., San Francisco, Calif. Game. 1,866,821; July 12.
Rather, James B., Brooklyn, N. Y., assignor to Magnolia Petroleum Company, Dallas, Tex. Still and fire-box. 1,890,886; Dec. 13.
Rathgeb, Joseph J., jr., New York, N. Y. Automatic feeding device for grain. 1,888,697; Nov. 22.
Rathmann, Paul, assignor to the Firm Elektrotechnische Fabrik Schmidt & Co. Gesellschaft m. b. H., Bodenbach, Czechoslovakia. Focusing device for electric lamps. 1,849,506; Mar. 15.
Rathmann, Paul, assignor to the Firm Elektrotechnische Fabrik Schmidt & Co., Gesellschaft m. b. H., Bodenbach, Czechoslovakia. Electric pocket or hand lamp. 1,871,389; Aug. 9.
Ratsburg, Hans. (See von Herz, E., and Ratsburg.)

Ratsburg, Hans, Furth, near Nuremberg, Germany. Manufacture of tetrazene explosives. 1,859,529; May 24.
Ratigan, James P., Los Angeles, Calif. Clamp for sucker rods and the like. 1,852,477; Apr. 5.
Ratigan, James P., Los Angeles, Calif. Shock absorbing connecter. 1,873,325; Aug. 23.
Ratigan, James P., Los Angeles, Calif. Pump rein. 1,873,326; Aug. 23.
Ratia, James A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Vehicle chock. 1,861,549; June 7.
Rättig, Gerhard, Nuremberg, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Time announcing system. 1,889,108; Nov. 29.
Ratray, George. (See Brischle, A., Lutz, and Ratray.)
Ratzkoff, Silas M., Jackson Heights, N. Y., assignor to Troy Laundry Machinery Company, Inc., East Moline, Ill. Identification pin holder for washing machines. 1,881,946; Oct. 11.
Ratzlaff, Rudolph, Dearborn, Mich. Jar cover wrench. 1,890,528; Dec. 13.
Rau, Otto M., Philadelphia, Pa. Radio loud speaker and lamp. 1,844,680; Feb. 9.
Raube, William C., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,850,772; Mar. 22.
Rauber, Margaret E., and C. L. Rogers, Washington, D. C. Container with opening equipment. 1,882,094; Oct. 11.
Rauberstrauch, George, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Tool for fluid actuated machines. 1,853,010; Mar. 1.
Rauberstrauch, George, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill tool retainer. 1,872,499; Aug. 16.
Rauberstrauch, George, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Making bushing liners. 1,882,168; Nov. 8.
Raubvogel, Abraham H., New York, N. Y. Handle for bakers' peel. 1,867,029; July 12.
Rauch, Frank, Brooklyn, N. Y. Pocket flash light. 1,866,600; July 12.
Rauch, George C., and J. W. Plunkett, St. Louis, Mo., said Plunkett assignor to said Rauch. Arc lamp. 1,881,243; Oct. 4.
Rauch, John D., assignor to The Ohio Power Shovel Company, Lima, Ohio. Clutch. 1,873,479; Aug. 23.
Rauen, Carl F., Dayton, Ohio. Power transmission. 1,842,798; Jan. 26.
Rauen, John T., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,859,795; May 24.
Rauen, John T., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerator. 1,867,539; July 12.
Raugstad, John K., Chicago, Ill. Jointed figure toy. 1,852,034; Oct. 5.
Rauh, Frederic H., South Orange, assignor to J. Wiss & Sons Co., Newark, N. J. Scissors. 1,870,025; Aug. 2.
Rauh, Frederic H., South Orange, assignor to J. Wiss & Sons Co., Newark, N. J. Grass shears. 1,879,488; Sept. 27.
Raule, Clifford T., Brookline, Pa. External grinder. 1,864,320; June 21.
Raule, Clifford T., Brookline, Pa. Multiple groove grinder. 1,865,642; July 5.
Raule, Clifford T., Brookline, Pa. Steering knuckle bearing. 1,866,724; July 12.
Raule, Clifford T., Brookline, Pa. Internal grinder control. 1,871,483; Aug. 16.
Raule, Clifford T., Brookline, Pa. Multiple grinder. 1,881,244; Oct. 4.
Raule, Clifford T., Brookline, Pa. Multiple grinder. 1,882,447; Oct. 11.
Raule, Clifford T., Brookline, Pa. Ironing machine for coils. 1,890,162; Dec. 6.
Raule, Clifford T., Brookline, Pa. Multiple external grinder. 1,892,363; Dec. 27.
Raule, Clifford T., Brookline, Pa. External grinder. 1,892,364; Dec. 27.
Raun, George, El Campo, Tex. Electrically operated lawn mower. 1,870,382; Aug. 9.
Raus, Anton J., Cleveland, Ohio. Garment former. 1,866,173; July 5.
Raus, John, assignor to The Cleveland A. C. Tube Manufacturing Company, Cleveland, Ohio. Manufacturing articles made of glass and metal. 1,848,544; Mar. 8.
Rausch, Gottfried, Ammendorf, near Halle on Saale, Germany. Dough dividing and kneading machine. 1,851,328; Mar. 29.
Rausch, Gottfried, Ammendorf, near Halle-on-Saale, Germany. Dough dividing and kneading machine. 1,876,022; Sept. 6.
Rausch, Gottfried, Amendorf, near Halle-on-the-Saale, Germany. Automatic dough dividing and rolling machine. 1,892,251; Dec. 27.
Rauss, Edwin F., et al., trustees. (See Bond, Percy and A. F., and Orlando, assignors.)
Rava, Alexander, assignor to Stewart-Warner Corporation, Chicago, Ill. Vehicle signal device. 1,839,499; Jan. 5.
Rave, Caesar, Luckenwalde, Germany. Incandescent lamp. 1,875,147; Aug. 30.

Raven, Albert L., Mount Vernon, N. Y. **Motion picture screen.** 1,846,357; Feb. 23.

Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,852,858; Apr. 5.

Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,880,279; Oct. 4.

Raven-Rosen-Baum, Eugen, Gut Ravensborst, and A. Domscheit, Junterbog, Germany. Cooling device for milk receiving containers of vacuum milking machines. 1,861,898; June 7.

Ravenscroft, John F., Union Mills, Ind. Fertilizer distributor. 1,868,025; July 19.

Ravenna, Joseph, Philadelphia, assignor of one-half to W. A. Graham, p. o. Germantown, Pa. Burner nozzle. 1,849,993; Mar. 15.

Ravert, William I., assignor to A. W. Drake Manufacturing Company, Hazelton, Pa. Walking toy. 1,860,476; May 31.

Raves, Edward, assignor to Raves Manufacturing Co., Ltd., Los Angeles, Calif. Advertising sign. 1,865,725; July 5.

Raves Manufacturing Co. (See Raves, Edward, assignor.)

Rawlin, Frederick F., South Miami, Fla. Combination support for serving trays for use on automobiles. 1,891,180; Dec. 13.

Raw, Georges, New Washington, England. Separation of solid materials of different specific gravities. 1,843,405; Feb. 2.

Rawdon, Edward W., Akron, Ohio. Fish lure. 1,881,947; Oct. 11.

Rawitzki, Leo, Berlin, Germany. Coin-operated vending apparatus. 1,886,425; Nov. 8.

Rawleigh, W. T., Company, The. (See Neely, William J., assignor.)

Rawling, Francis G. (See Rue, J. D., Wells, and Rawling.)

Rawling, Francis G. (See Traquair, J., and Rawling.)

Rawling, Francis G., Chillicothe, assignor, by mesne assignments, to The Mead Corporation, Dayton, Ohio. Control mechanism. 1,878,179; Sept. 20.

Rawlings, Arthur L., London, England, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Mounting for compasses. 1,880,982; Oct. 4.

Rawlings, Howard C. (See Leins, O. J., and Rawlings.)

Rawlings Manufacturing Company. (See Coles, Clarence, assignor.)

Rawlings Manufacturing Company. (See Duchek, Joseph B., assignor.)

Rawlings Manufacturing Company. (See Scudder, Mason, assignor.)

Rawlplug Company, The. (See Gelpcke, Alfred W., assignor.)

Rawls Manufacturing Company. (See Rawls, Silas E., assignor.)

Rawls, Paul C., assignor to Technical Equipment Company, Des Moines, Iowa. Electric condenser. 1,884,229; Oct. 25.

Rawls, Paul C., assignor to Technical Equipment Company, Des Moines, Iowa. High frequency oscillatory circuit for therapeutic purposes. 1,888,408; Nov. 22.

Rawls, Silas E., assignor to Rawls Manufacturing Company, Streator, Ill. Mowing machine. 1,861,816; June 7.

Raworth, Albert S., Bearsden, Scotland. Underframe for a treadle sewing machine. 88,440; Nov. 29.

Rawson, Grant I., assignor to Calorizing Corporation of America, Detroit, Mich. Boiler cleaner. 1,877,722; Sept. 20.

Rawson, Harry H., assignor to Washington Machinery & Supply Company, Spokane, Wash. Babbitting machine. 1,854,718; Apr. 19.

Rawson, Harry H., assignor to The Washington Machinery & Supply Company, Spokane, Wash. Paper folding machine. 1,875,655; Sept. 6.

Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Oil well derrick. 1,841,671; Jan. 19.

Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Crown construction for derricks. 1,870,587; Aug. 9.

Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Double leg construction for derricks with equalizing means. 1,871,130; Aug. 9.

Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Double leg construction for derricks. 1,871,131; Aug. 9.

Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Derrick having fluid load-equalizing means. 1,871,132; Aug. 9.

Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Eccentric equalizer for derricks. 1,871,133; Aug. 9.

Rawson, Louis W., assignor to Worcester Polytechnic Institute, Worcester, Mass. Centrifugal clutch. 1,870,647; Aug. 9.

Rawson, Louis W., assignor to Worcester Polytechnic Institute, Worcester, Mass. Accelerating clutch. 1,870,648; Aug. 9.

Rawson, Louis W., assignor to Worcester Polytechnic Institute, Worcester, Mass. Centrifugal clutch. 1,870,649; Aug. 9.

Ray, Arthur B., Bayside, N. Y., assignor to Carbide & Carbon Chemical Corp. Making absorptive carbon and product thereof. 1,856,141; Nov. 1.

Ray, Arthur J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Multiplex telephone system. 1,881,297; Oct. 4.

Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Traction wheel. 1,885,376; Nov. 1.

Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Tillage implement. 1,885,763; Nov. 1.

Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,856,137; May 3.

Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,861,666; June 7.

Ray, Frederick S., Brockton, Mass. Marking gauge for clothlocks. 1,853,172; Mar. 29.

Ray, George S. (See Minton, John W., assignor.)

Ray, Grover C., Bisbee, Ariz. Writer's ring. 1,879,489; Sept. 27.

Ray, Harry P., et al. (See Wagner, James S., assignor.)

Ray, Joshua R. (See Ray, Thomas and J. R.)

Ray, Marian, Tampa, Fla., assignor to Henry Blumenthal & Co., Inc., New York, N. Y. Wearing apparel. 1,847,699; Mar. 1.

Ray, Rembert, Venice, Calif. Ice server. 1,877,050; Sept. 13.

Ray, Thomas and J. R., Manistee, Mich. Heater. 1,846,197; Mar. 8.

Ray, Thomas and J. R., Manistee, Mich. Separator. 1,858,842; May 17.

Ray, Thomas and J. R., Manistee, Mich. Crystal building pan. 1,860,118; May 24.

Ray, Thomas and J. R., Manistee, Mich. Separator. 1,861,463; May 31.

Ray, Thomas and J. R., Manistee, Mich. Tester. 1,865,047; June 28.

Ray, Thomas and J. R., Manistee, Mich. Method and apparatus employed in the washing and production of salt or the like. 1,875,354; Sept. 6.

Ray, William C., Biscoe, Calif. Cotton boll harvester. 1,879,823; Sept. 27.

Ray, William J., Louisville, Ky. Slack box. 1,840,173; Jan. 5.

Raybestos-Manhattan, Inc. (See Lane, George S., assignor.)

Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)

Raybestos-Manhattan, Inc. (See Repony, Daniel, assignor.)

Raybould, Frank J., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fittings. 1,851,729; Mar. 29.

Rayburn, Alden G. (See Rayburn, Elwyn M. and A. G.)

Rayburn, Alden G. (See Rayburn, Elwyn M. and A. G., and Sumner.)

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Variable speed power transmission. 1,840,869; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Power transmission. 1,840,870; Jan. 12.

Rayburn, Alden C., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Mechanical torque multiplying and speed varying power transmission. 1,840,871; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Power transmission. 1,840,872; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Fluid operated power transmission. 1,840,873; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Fluid operated power transmission. 1,840,874; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Power transmission. 1,840,875; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Power transmitting apparatus. 1,840,876; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Pump and clutch mechanism. 1,840,877; Jan. 12.

Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Drive mechanism for motor vehicles. 1,867,678; July 19.

Rayburn, Alden G. and E. M., Sausalito, Calif., assignors, by mesne assignments, to Automotive Engineering Corporation. Hydraulic transmission apparatus. 1,840,865; Jan. 12.

Rayburn, Alden G., Sausalito, E. M. Rayburn, San Francisco, and J. W. Sumner, Los Angeles, Calif., assignors, by mesne assignments, of fifty-one per cent to Automotive Engineering Corporation. Power transmission apparatus. 1,840,866; Jan. 12.

Rayburn, Alden G. and E. M., Sausalito, and J. W. Sumner, Los Angeles, Calif., assignors, by mesne assignments, of fifty-one per cent to Automotive Engineering Corporation. Hydraulic power transmission. 1,840,867; Jan. 12.

Rayburn, Daniel B., Pendleton, Ind. Shackle for prisoners. 1,881,948; Oct. 11.

Rayburn, Eddy S., et al. (See Rayburn, Elwyn M. and A. G., assignors.)
Rayburn, Elwyn M. (See Rayburn, Alden G. and E. M.)
Rayburn, Elwyn M. (See Rayburn, Alden G. and E. M., and Sumner.)
Rayburn, Elwyn M. and A. G., assignors of eleven and one-half per cent to E. M. Rayburn, eleven and one-half per cent to A. G. Rayburn, eleven and one-half per cent to E. S. Rayburn, Sausalito, fourteen and one-half per cent to J. W. Sumner, San Francisco, Calif., and fifty-one per cent to Automotive Engineering Corporation. Power transmission apparatus. 1,840,864; Jan. 12.
Rayburn, Elwyn M. and A. G., Sausalito, and J. W. Sumner, Los Angeles, Calif., assignors, by mesne assignments, of fifty-one per cent to Automotive Engineering Corporation. Power transmission apparatus. 1,840,868; Jan. 12.
Rayeol British Corporation Limited. (See Groc, Edouard L., assignor.)
Rayfield, Charles L., assignor to Rayfield Mfg. Co., Chicago, Ill. Burner control. 1,851,983; Apr. 5.
Rayfield, Charles L., assignor to Rayfield Mfg. Co., Chicago, Ill. Oil burner feed mechanism. 1,866,725; July 12.
Rayfield, Charles L., assignor to Rayfield Manufacturing Co., Chicago, Ill. Control for oil burners. 1,881,949; Oct. 11.
Rayfield, Charles L., assignor to Rayfield Mfg. Co., Chicago, Ill. Thermostatically controlled switch. 1,881,950; Oct. 11.
Rayfield, Charles L., assignor to Rayfield Mfg. Co., Chicago, Ill. Oil burner supply system. 1,888,015; Nov. 15.
Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Co., Chicago, Ill. Compressor. 1,846,655; Feb. 23.
Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Company, Chicago, Ill. Single stage compressor. 1,846,656; Feb. 23.
Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Co., Chicago, Ill. Valve. 1,846,753; Feb. 23.
Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Company, Chicago, Ill. Pump. 1,881,951; Oct. 11.
Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Company, Chicago, Ill. Hose reel. 1,881,952; Oct. 11.
Rayfield Mfg. Co. (See Rayfield, Charles L., assignor.)
Raymer, Morris M., Charlton Townsbip, Kalamazoo County, and R. S. Poole, assignors to Kellogg Company, Battle Creek, Mich. Packing machine. 1,852,790; Apr. 5.
Raymond, Arthur B., Montclair, N. J. Cylinder for internal combustion engines. 1,862,970; June 14.
Raymond Bag Company, The. (See Sharkey, William E., assignor.)
Raymond Brothers Impact Pulverizer Co. (See Crites, Joe, assignor.)
Raymond Brothers Impact Pulverizer Co. (See Needham, Charles E., assignor.)
Raymond, Clarence C., Detroit, Mich. Signal operating mechanism. 1,890,863; Dec. 13.
Raymond Concrete Pile Company. (See Collins, Jeremiah J., assignor.)
Raymond Concrete Pile Company. (See Everham, Arthur C., assignor.)
Raymond Concrete Pile Company. (See Finlay, L. G., and Johnson, assignors.)
Raymond Concrete Pile Company. (See Hunt, Francis H., assignor.)
Raymond Concrete Pile Company. (See Schroeder, F. A., and Smith, assignors.)
Raymond Concrete Pile Company. (See Smith, Herman B., assignor.)
Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
Raymond Concrete Pile Company. (See Upson, M. M., and Smith, assignors.)
Raymond Concrete Pile Company. (See Upson, M. M., and Watt, assignors.)
Raymond Concrete Pile Company. (See Watt, Elihu D., assignor.)
Raymond Concrete Pile Company. (See Watt, E. D., and Whiteley, assignors.)
Raymond, Edward F., Long Beach, assignor to J. Grant, Los Angeles, Calif. Plunger actuated underreamer. 1,839,758; Jan. 5.
Raymond, Fred I., River Forest, Ill. Heating by steam. 1,886,222; Nov. 1.
Raymond, Fred I., River Forest, Ill. Steam heating system. 1,886,223; Nov. 1.
Raymond, George G., Greene, N. Y. Hydraulic lift truck. 1,841,673; Jan. 19.
Raymond, Gussie F., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring device. 1,839,439; Jan. 5.
Raymond, Gwynne, Kansas City, Mo. Apparatus for stacking heavy sheets. 1,840,972; Jan. 12.
Raymond, Gwynne, Kansas City, Mo. Float construction. 1,852,372; Apr. 5.
Raymond, Gwynne, Kansas City, Mo. Float construction. 1,852,373; Apr. 5.
Raymond, Gwynne, Kansas City, Mo. Conveyer system. 1,865,788; July 5.
Raymond, Gwynne, Kansas City, Mo. Method of and apparatus for assembling metal sections. 1,872,810; Aug. 23.
Raymond, Gwynne, and R. A. Morgen, Kansas City, Mo. Filtering apparatus. 1,852,371; Apr. 5.
Raymond, Harley D. (See Hopkins, R. Z., Fellers, and Raymond.)
Raymond, Henry S., Waterloo, Iowa. Refrigerating device. 1,868,763; July 26.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Clamp. 1,849,805; Mar. 15.
Raymond, Lambert L., assignor to Broderick-Son-Raymond Co., Minneapolis, Minn. Lamp with markings. 1,855,772; Apr. 26.
Raymond, Ralph, Nyack, and W. J. Scully, Hastings-upon-Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,862,549; June 14.
Raymond, Stanford, Stockton, Calif. Leather jacket. Des. 86,976; May 17.
Rayner Decalcomania Company. (See Babcock, George H., assignor.)
Rayner, George R., Lewiston Heights, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive stone. 1,864,616; June 28.
Rayner, Harry. (See McCleary, F. E., Babo, and Rayner.)
Rayner, John F., assignor to The Unipress Company, Minneapolis, Minn. Pressing head. 1,852,374; Apr. 5.
Raynor, Frank B., Baldwin, N. Y. Display device. 1,861,012; Dec. 13.
Raynor, John S., Holmesburg, Pa. Clip for fastening foraminous plaster key. 1,874,802; Aug. 30.
Raynor, John S., Philadelphia, Pa. Wire key for plaster and means to secure same to plaster board. 1,878,180; Sept. 20.
Rayson, Arthur, Elsternwick, near Melbourne, Victoria, assignor to The Anglo-Australian Defreezing Company Proprietary Limited, Melbourne, Victoria, Australia. Defreezing frozen beef, mutton, lamp, and the like. 1,850,031; Mar. 15.
Raytheon, Inc. (See Beers, Roland F., assignor.)
Raytheon, Inc. (See Bush, Vannevar, assignor.)
Raytheon Inc. (See Green, Cecil R., assignor.)
Raytheon Inc. (See Jenks, James L., jr., assignor.)
Raytheon Inc. (See Replegle, Delbert E., assignor.)
Raytheon Inc. (See Smith, Charles G., assignor.)
Raytheon Inc. (See Wilson, Eastman A., assignor.)
Rayton, Wilbur B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Condensing lens system. 1,853,778; Apr. 12.
Raze, Isidore. (See Goldschlager, A., and Raze.)
Razek, Joseph, Upper Darby, and P. J. Mulder, Drexel Hill, Pa. Method and apparatus for securing high amplification in electrical circuits. 1,890,750; Dec. 13.
Rea, James C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Electrical fuse. 1,844,525; Feb. 9.
Rea, James C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Breaker control. 1,853,744; Apr. 12.
Rea, James C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Circuit breaker operator. 1,853,745; Apr. 12.
Rea, Roy R., Beaver County, Okla. Dirtproof hub for cultivator disks. 1,876,749; Sept. 13.
Rea, Walter C., assignor to Detachable Bit Corporation of America, New York, N. Y. Drill. 1,859,342; May 24.
Rea, Wilton T. (See Hamilton, B. P., and Rea.)
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,842,478; Jan. 26.
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,857,258; May 10.
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,857,259; May 10.
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Motor-generator regulator system. 1,861,550; June 7.
Reach, A. J., Company. (See Till, Edwin W., assignor.)
Reach, Milton B., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Rubber exercising strap. 1,876,750; Sept. 13.
Reach, Milton B., Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf shoe. 1,870,751; Aug. 9.
Read, Balfour, Detroit, Mich. Internal combustion engine. 1,877,051; Sept. 13.
Read, Carlyle D., Hammond, assignor to Standard Oil Company, Whiting, Ind. Petroleum tar. 1,875,823; Sept. 6.
Read, Charles S. C., assignor of one-half to George E. Matthews, Toronto, Ontario, Canada. Treating pistons. 1,877,530; Sept. 13.
Read, Charles T., Milwaukee, Wis. Arch support. 1,845,681; Feb. 16.
Read, Charles T., Milwaukee, Wis. External shank supporter. 1,850,688; Mar. 22.
Read, David Y., assignor of one-fourth to J. P. Grandy and one-fourth to H. H. Snelling, Washington, D. C. Visible writing calculating machine. 1,888,144; Nov. 15.

Read, Frederick A., jr., Albion, N. Y., assignor to The Carpenter-Hiatt Sales Company, Denver, Colo. Basket liner. 1,879,950; Sept. 27.
Read, Harry, assignor to Read Machinery Company, York, Pa. Precision measuring tank. 1,874,349; Aug. 30.
Read, John C., Rugby, England, assignor to General Electric Company. Vapor discharge device. 1,842,947; Jan. 26.
Read, John P., Nashville, Tenn. Emblem holder. 1,852,375; Apr. 5.
Read Machinery Company. (See Read, Harry, assignor.)
Read, Philip C. (See Hauk, Joseph, assignor.)
Read, Richard S., Yonkers, N. Y., assignor to Crucible Steel Company of America. Manufacture of metallic alloys. 1,844,598; Feb. 9.
Read, Roland R., assignor to Sharp & Dohme, Inc., Baltimore, Md. Butyl phenol composition. 1,887,662; Nov. 15.
Read, Rupert D., Kenmore, Ohio, assignor to H. B. Staver, Chicago, Ill. Decoy unit. 1,881,328; Oct. 4.
Read, William C., Scarsdale, N. Y., assignor to Electro Metallurgical Company. Silicochromic smelting process and charge therefor. 1,856,592; May 3.
Reade, Ralph W. B., Newton Center, assignor to The Patent and Licensing Corporation, Boston, Mass. Building material. 1,872,185; Aug. 16.
Reade, Ralph W. B., Newton Center, assignor to The Patent and Licensing Corporation, Boston, Mass. Building material. 1,872,186; Aug. 16.
Readeker, William C., and E. H. Omara, Chicago, Ill. One-way clutch mechanism for reeling apparatus. 1,861,584; June 7.
Reader, Julius F., Oak Park, assignor of one-half to Walter G. Warren & Co. and one-half to J. C. Root, Chicago, Ill. Lamp. 1,869,823; Aug. 2.
Readey, John M., Inc. (See Readey, John M., assignor.)
Readey, John M., assignor to John M. Readey, Inc., St. Louis, Mo. Pipe coupling machine. 1,877,198; Sept. 13.
Readey, John M., assignor to John M. Readey, Inc., St. Louis, Mo. Apparatus for testing pipe nipples. 1,887,327; Nov. 8.
Readey, John M., Inc. (See Readey, John M., assignor.)
Reading, Arthur K. (See Carey, Edward S., assignor.)
Reading Iron Co. (See Thomas, Max, assignor.)
Reading Hardware Corporation. (See Lyons, Arthur G., assignor.)
Reading Hardware Corporation. (See Lyons, A. G., and Mason, assignors.)
Readman, Bernard W., Lilac, North Battleford, Saskatchewan, Can. Pocket knife. 1,858,857; Nov. 22.
Ready, Harvey J. (See Fensky, C., and Ready.)
Ready-Sudz Company. (See Goodloe, Aareiel E., assignor.)
Ready, Vincent C., Medford, Mass. Stop mechanism for automobiles. 1,844,526; Feb. 9.
Ready, William A., Brookline, Mass. Making D-handles for shovels and the like. 1,842,948; Jan. 26.
Ready, William A., Brookline, Mass. Making D-handles for shovels and the like. 1,842,949; Jan. 26.
Ready, William A., Brookline, Mass. D-handle. 1,844,681; Feb. 9.
Ready, William A., Brookline, Mass. Pigtail for variable electric current turning device. 1,848,906; Mar. 8.
Ready, William A., Brookline, Mass. Electric circuit tuning device. 1,859,706; May 24.
Ready, William A., Brookline, Mass. Spraying apparatus. 1,859,797; May 24.
Ready, William A., Brookline, Mass. D-Handle for shovels and the like. 1,869,777; Aug. 2.
Ready, William A., Brookline, Mass. D-handle. 1,877,199; Sept. 13.
Ready, William A., Brookline, Mass. D-handle. 1,877,200; Sept. 13.
Ream, Harry S., jr., and F. J. Hein, Dover, Ohio, assignors to Shenango-Penn Mold Company, Pittsburgh, Pa. Apron. 1,859,169; May 17.
Reams, William McK. (See Royal, R. R., and Reams.)
Reamy, Daniel H., and A. Swanson, Los Angeles, Calif. Underreamer. 1,879,490; Sept. 27.
Reaney, Russell J., Ottawa, Ontario, Canada. Mechanical movement. 1,857,871; May 10.
Rearden, John D., Dayton, Ohio. Launching apparatus. 1,851,129; Mar. 29.
Reardon, Harvey J., assignor to The Classroom Teacher, Inc., Chicago, Ill. Hectograph. 1,892,077; Dec. 27.
Reardon, Robert E. Columbia, Pa. Pry tag decapper. 1,874,208; Aug. 30.
Rear Vision, Inc. (See Fromer, William Z., assignor.)
Reasoner, Jean A., Lancaster, Ohio. Tank cap lock. 1,848,976; Mar. 8.
Reaume, Lawrence W., and E. C. Cann, Monroe, Mich., assignors to River Raisin Paper Company. Handle-including carton. 1,854,955; Apr. 19.
Reaves, Earl J., Detroit, Mich. Free wheeling drive for automobiles. 1,868,254; July 19.
Rebb, Herman A. Southfield Township, Oakland County, assignor to All Metal Products Company, Wyandotte, Mich. Toy filling station. 1,855,138; Apr. 19.
Reber, James W., London, England. Apparatus for cooling coke. 1,865,336; June 28.
Rebillet, Marcel J. A., Lyon, France. Apparatus for feeding liquid fuel to internal combustion engines. 1,857,004; May 3.
Rebischke, Emil A., and W. J. Little Falls, Minn. Garage door opening mechanism. 1,842,998; Jan. 26.
Rebischke, William J. (See Rebischke, Emil A., and W. J.)
Rebik, Carl, Brooklyn, N. Y. Lamp. 1,863,360; May 31.
Rebner, Franz, New York, N. Y., and Paul Kent, Hartford, Conn. Studio camera film replacing device. 1,872,500; Aug. 16.
Rebstock, August J., assignor to The Rebstock Company, St. Louis, Mo. Conveyer. 1,856,262; May 3.
Rebstock Company, The. (See Rebstock, August J., assignor.)
Recke, William, Philadelphia, Pa., assignor, by mesne assignments, to Sigma, Inc., Lamp. 1,863,360; May 31.
Recker, Adolph C., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Portable electric lamp. Des. 87,543; Aug. 9.
Recker, Adolph C., Oakville, and M. Nichols, New Haven, assignors to The Chase Companies, Incorporated, Waterbury, Conn. Producing radiator units. 1,865,444; July 5.
Reclamation Company of America, The. (See Hammond, Grant, assignor.)
Record, Forrest M., Beverly Hills, and G. Travers, Los Angeles, Calif. Teeth protector. 1,843,337; Feb. 2.
Recording Devices Company, The. (See Connell, T. H., and Beltz, assignors.)
Recording Thermometer Company. (See Frantz, Charles T., assignor.)
Records, Chester E., Columbus, Ohio. Well screen. 1,886,121; Nov. 1.
Records, Elmer H. (See Louttit, J. E., and Records.)
Records, Elmer H., Spokane, Wash. Coal distillation apparatus. 1,843,174; Feb. 2.
Rector, Enoch, New York, N. Y., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,848,089; Mar. 1.
Rector, Orland B., Eaton, Colo. Device to retain moisture in land. 1,885,550; June 14.
Rector, Thomas M., Rutherford, N. J., assignor, by mesne assignments, to Vitapack Corporation, New York, N. Y. Method and apparatus for extracting oil from nuts. 1,884,800; Oct. 25.
Rector, Wilbur S., Parker, S. Dak. Seeder attachment. 1,842,099; Jan. 26.
Red Boy, Inc. (See De Foe, E. G., and Bramming, assignors.)
Redcay, Paul D., Philadelphia, Pa., assignor, by mesne assignments, to Union Special Machine Company, Chicago, Ill. Tread severing mechanism for looping machines. 1,847,537; Mar. 1.
Redd, William R., Wyoming, and H. Ohlendorf, Dessau in Anhalt, Germany, assignors to National Paper Napkin Mfg. Company, Chicago, Ill. Treating and seasoning paper. 1,850,808; Mar. 22.
Reddelien, Gustav, Leipzig, and H. Ohlendorf, and A. Peters, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing dischargeable dyeings on acetate silk. 1,850,155; Mar. 22.
Reddelien, Gustav, Leipzig, and H. Lange, Dessau in Anhalt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of 6'-chloro-6-methyl-1,2,3,4-tetrahydronaphthalene. 1,853,083; Apr. 12.
Reddelien, Gustav, and W. Müller, Leipzig, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic developer. 1,853,455; Apr. 12.
Reddelien, Gustav, Leipzig, and H. Ohlendorf, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Naphthophenazine dye. 1,873,938; Aug. 23.
Reddelien, Gustav, Leipzig, H. Lange, Dessau in Anhalt, A. Fischesser, Frankfort-on-the-Main-Fechenheim, and H. Freund, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Discharging preparation. 1,889,154; Nov. 29.
Reddien, Eugene E., Springfield, Mass. Filler for tires. 1,842,709; Jan. 26.
Reddig, Charles E., Kew Gardens, assignor to Graybar Electric Company, Inc., New York, N. Y. Washing machine. 1,870,785; Aug. 9.
Reddig, Charles E., Kew Gardens, assignor to Graybar Electric Company, Inc., New York, N. Y. Vacuum cleaner. 1,879,710; Sept. 27.
Redding, Harry B., Cleveland, assignor, by direct and mesne assignments, to Columbus Valve Manufacturing Corporation, Columbus, Ohio. Check valve. 1,889,511.
Redding, James F. (See Arneson, Otto P., assignor.)
Reddish, Warren T. (See Heckel, H., and Reddish.)
Reddish, Warren T. (See Peirce, J. O., and Reddish.)
Reddy, David W., assignor of one-fourth to M. A. Lewis, one-fourth to Viola Cornell and one-fourth to Max Silverman, New York, N. Y. Remote control apparatus. 1,885,389; June 28.
Redeker, Harry E., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Oscillation generator process and apparatus. 1,850,893; Mar. 22.
Redemske, Gustav, assignor to Armour and Company, Chicago, Ill. Splitting animal intestines. 1,854,426; Apr. 19.
Redenbauch, Gerald E. (See Oswald, E. P., assignor, and Bonem.)
Redfield, Casper L., Chicago, Ill. Air circulating and cleaning device. 1,874,061; Aug. 30.

Redfield, Charles E., Chicago, Ill. Cleaning device. 1,886,738; Nov. 8.
Redfield, Clifford S. (See Watson, J. W., and Redfield.)
Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Retaining device for plate valves. 1,850,690; Mar. 22.
Red Head Brand Company. (See Anderson, Sievert T., assignor.)
Redhead, Jacob H., Cleveland, Ohio. Shock absorber. 1,877,500; Sept. 13.
Redinger, Joseph M., Johnston, R. I. Cone chuck. 1,856,224; Nov. 1.
Redinger, Joseph M., Johnston, R. I. Mill chuck. 1,859,571; Nov. 29.
Redington-Dracer, Regina T., White Plains, N. Y. Bottle holder. 1,859,877; Dec. 6.
Redington, John C., Geneva, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Paper valve bag and making the same. 1,852,026; Apr. 5.
Redler, Arnold, Flour Mills, Sharpness Docks, England, assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 1,845,445; Apr. 26.
Redler, Arnold, Flour Mills, Sharpness Dock, England, assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 1,860,952; May 31.
Redler, Arnold, Sharpness Docks, England, assignor to Redler Conveyor Company, Quincy, Mass. Self-cleaning chain. 1,865,046; Nov. 1.
Redler Conveyor Company. (See Redler, Arnold, assignor.)
Redman, Herbert L., Forest Hills, assignor to Saks & Company, New York, N. Y. Handbag or the like. Des. 87,544; Aug. 9.
Redman, Herbert L., Forest Hills, assignor to Saks & Company, New York, N. Y. Handbag or the like. Des. 87,545; Aug. 9.
Redman, Herbert L., Forest Hills, assignor to Saks & Company, New York, N. Y. Lady's handbag or the like. Des. 87,546; Aug. 9.
Redmann, Robert G., Bristol, Conn. Open-joint mold. 1,862,302; June 7.
Redmond, Albert G., assignor to Marvel Carburetor Company, Flint, Mich. Fuel feeding system for motor vehicles. 1,848,064; Mar. 1.
Redmond, Albert G., assignor to Jacob Richard Francis, Flint, Mich. Fuel feeding system for internal combustion engines. 1,852,389; Oct. 18.
Redmond, Frederic J. (See Road, R. A., and Redmond.)
Redmond, John J., Toronto, Ontario, Canada. Paper creasing and cutting apparatus. 1,876,074; Sept. 6.
Redner, Allen B., assignor to Reo Motor Car Company, Lansing, Mich. Apparatus for correcting gears. 1,876,167; Sept. 6.
Rednour, William H., Edwardsport, Ind. Reraller. 1,879,491; Sept. 27.
Red Spot Electric Co. (See Staley, Miles E., assignor.)
Red Top Steel Post Company. (See Kvall, Sigurd, assignor.)
Redwitz, Oscar, Sharon, Pa. Noodle press. 1,871,558; Aug. 16.
Ree, Peter O., assignor of one-half to R. H. Peters, Austin, Minn. Sewer cleaner. 1,864,617; June 28.
Reece Button Hole Machine Company, The. (See Althens, Herbert E., assignor.)
Reece Button Hole Machine Company, The. (See Carlson, Axel F., assignor.)
Reece Button Hole Machine Company, The. (See Connors, John W., assignor.)
Reece Button Hole Machine Company, The. (See Fisher, Benjamin, assignor.)
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reece Button Hole Machine Company, The. (See Pikul, Joseph, assignor.)
Reece Button Hole Machine Company, The. (See Reece, Franklin A., assignor.)
Reece Folding Machine Company. (See Dixon, Walter L., assignor.)
Reece, Franklin A. (See Reece, John and F. A.)
Reece, Franklin A., Brookline, assignor to The Reece Button Hole Machine Company, Boston, Mass. Looper-adjusting means for buttonhole sewing machines. 1,864,218; June 21.
Reece, Franklin A., Brookline, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,865,140; June 28.
Reece, Franklin A., Brookline, and J. Reece, assignors to Reece Transmission Company, Boston, Mass. Power transmission. 1,845,332; Feb. 16.
Reece, John, See Reece, Franklin A., and J.)
Reece, John, Boston, and F. A. Reece, Brookline, assignors to Reece Transmission Company, Boston, Mass. Power transmission. 1,855,464; Apr. 12.
Reece, Lem L. (See Bunten, William G., assignor.)
Reece Shoe Machinery Company. (See Carlson, Axel F., assignor.)
Reece Transmission Company. (See Reece, Franklin A. and J., assignors.)
Reece Transmission Company. (See Reece, John and F. A., assignors.)
Reece, Wade W., and L. W. Haas, Chicago, Ill., assignors to The W. E. Long Co. Cooling bakery products. 1,885,142; Nov. 1.
Reed, Andrew H., et al. (See Coffman, Samuel H., assignor.)
Reed, Arthur G., Swissvale, Pa., assignor to McCrady Brothers Company, Braddock, Pa. Mixing apparatus. 1,848,223; Mar. 8.
Reed & Barton. (See Cayer, Theodore E., assignor.)
Reed, Charles G. (See Broomall, Jesse J., assignor.)
Reed, Charles T., et al. (See White, Gerald E., assignor.)
Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,854,230; Oct. 25.
Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Cushion spring structure. 1,859,263; Nov. 29.
Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,859,264; Nov. 29.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter organization for earth boring drills. 1,839,589; Jan. 5.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Section roller cutter organization for earth boring apparatus. 1,847,981; Mar. 1.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter boring drill. 1,860,953; May 31.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring drill. 1,865,998; July 5.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Deep well drilling apparatus. 1,867,631; July 12.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tooth formation and arrangement for rotary drilling. 1,871,736; Aug. 16.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring tool. 1,889,216; Nov. 29.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring chuck. 1,889,217; Nov. 29.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring apparatus. 1,890,887; Dec. 13.
Reed, David A., Berkeley, Calif. Arch support and callous relieving pad. 1,869,395; May 31.
Reed, Demson H., Houston, Tex. Setting tool. 1,878,538; Sept. 20.
Reed, E. A., trustee of Garber Tool Company, bankrupt. (See Chambers, Ira L.)
Reed, E. A., trustee. (See Failing, George E., assignor.)
Reed, Earl A., Wichita, Kans. Drill cutter mounting. 1,852,478; Apr. 5.
Reed, Earl A., Tulsa, Okla. Drill cutter. 1,873,327; Aug. 23.
Reed, Edward A., Brookfield, Ill., assignor to Harris and Reed Manufacturing Company. Caster. 1,869,279; July 26.
Reed, Edward G., Camas, Wash. Hollow cylindrical valve. 1,877,589; Sept 13.
Reed, E. P., & Company. (See Ebling, Walter E., assignor.)
Reed, Frank M., Clearfield, Pa. Heat exchange mechanism. 1,874,803; Aug. 30.
Reed, Frederick J., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bushing clamp. 1,872,340; Aug. 16.
Reed, George B., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel construction. 1,863,126; June 14.
Reed, George B., assignor to Budd Wheel Company, Philadelphia, Pa. Demountable wheel. 1,879,492; Sept. 27.
Reed, George F., assignor, by mesne assignments, to The Web-Lite Company, Inc., Pittsburgh, Pa. Changeable exhibitor. 1,872,607; Aug. 16.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,839,590; Jan. 5.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Clutch plate. 1,868,764; July 26.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,882,897; Oct. 18.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,882,898; Oct. 18.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,889,698; Nov. 29.
Reed, Harry M., and L. H. Salling, Chattanooga, Tenn. Coil air clothes drier. 1,855,512; Apr. 26.
Reed, Henry M., jr., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Wall joint for plumbing fixtures. 1,882,235; Oct. 11.
Reed, Henry M., jr., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Plumbing fixture clip. 1,887,663; Nov. 15.
Reed, James. Chicago, Ill. Runner for railway house cars. 1,839,440; Jan. 5.
Reed, John W., Cardington, Ohio. Door. 1,876,750; Sept. 13.
Reed, Kenneth W., Boonton, N. J., assignor to Stapling Machines Co. Machine for use in making boxes. 1,889,181; Nov. 29.
Reed, Leslie D. (See Groene, W. F., and Reed.)
Reed Manufacturing Company. (See Stoeltzlen, Leo V., assignor.)

Reed, Morris V., Evansville, Ind. Four wheel steering gear for automobiles. 1,891,578; Dec. 20.
Reed, Percival K. (See Weygandt, L. G., and Reed.)
Reed, Percival K., Llanerch, assignor to Atlas Conveyor Company, Philadelphia, Pa. Skip hoist. 1,871,559; Aug. 16.
Reed Propeller Co., Inc. (See Reed, Sylvanus A., assignor.)
Reed, Ralph A., Dearborn, and H. A. Hicks, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Airplane. 1,852,338; Oct. 18.
Reed, Ralph L., assignor to Atlanta Table Co., Inc., Atlanta, Ga. Table and desk. 1,849,726; Mar. 15.
Reed Roller Bit Company. (See Behnke, Guy E., assignor.)
Reed Roller Bit Company. (See Behnke, G. E., and Giesey, assignors.)
Reed Roller Bit Company. (See Bull, Clinton H. M., assignor.)
Reed Roller Bit Company. (See Duda, Oswald, assignor.)
Reed Roller Bit Company. (See Harrington, George G., assignor.)
Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Adjustable pitch propeller. 1,842,765; Jan. 26.
Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Aeronautical propeller. 1,842,766; Jan. 26.
Reed, Sylvanus A., New York, N. Y., assignor to The Reed Propeller Co., Inc. Attachment means for aeronautical propellers. 1,846,609; Feb. 23.
Reed, Sylvanus A., New York, assignor to Reed Propeller Co. Inc., Garden City, N. Y. Aeronautical propeller. 1,855,589; Apr. 26.
Reed, Warren B., Morgan City, La. Mining sulphur. 1,846,329; Feb. 23.
Reed, Willard, jr., Quantico, Va. Forming designs in the sky. 1,850,635; Mar. 22.
Reed, William G. (See Britton, E. C., and Reed.)
Reed, William T., et al. (See Seawell, Joseph M., assignor.)
Reeder, Frank C., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Apparatus for pasteurization. 1,884,231; Oct. 25.
Reeder, Harry R., and W. Scott, Chicago, Ill. Building unit. 1,887,432; Nov. 8.
Reeder, James L., Colorado Springs, Colo. Window shade and curtain support. 1,847,892; Mar. 1.
Reeder, Otto H., and D. Sandford, Toledo, Ohio. Deformation stabilizing, especially for pistons. 1,845,765; Feb. 16.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Electric range. Des. 86,977; May 17.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Stove. Des. 86,978; May 17.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Combination rack and pan. 1,889,218; Nov. 29.
Reedy, Emmett M. (See Mueller, B. H., and Reedy.)
Reedy, Emmett M., assignor to Mueller Co., Decatur, Ill. Adjustable elbow for meter yoke connections. 1,876,751; Sept. 13.
Reekers, William, Chilkoot Barracks, Alaska. Cigar holder. 1,840,210; Jan. 5.
Reel, Gordon, New York, N. Y. Aeroplane. 1,865,789; July 5.
Reel, Gordon, New York, N. Y. Aeroplane. 1,872,811; Aug. 23.
Reel, Herbert W., Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill. Building construction. 1,870,422; Aug. 9.
Reel-Mop Corporation. (See Carlson, Oscar, assignor.)
Reeps, Charles O., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,854,483; Apr. 19.
Reeps, Charles O., assignor to National Laundry Machinery Company, Inc., Syracuse, N. Y. Automatic ironing press. 1,861,173; July 12.
Reeps, Charles O., deceased, Waukegan, Ill., by Harriette E. Reeps, executrix, assignor to National Laundry Machinery Company, Inc., Syracuse, N. Y. Yoke, collar and cuff press. 1,867,174; July 12.
Reeps, Charles O., deceased; H. E. Reeps, executrix, Waukegan, Ill., assignor to National Laundry Machinery Company, Inc., Syracuse, N. Y. Dampening roll for presses. 1,875,824; Sept. 6.
Reeps, Charles O., deceased, by H. E. Reeps, executrix, Waukegan, Ill., assignor to National Laundry Machinery Company, Inc., Syracuse, N. Y. Sleeve press. 1,890,264; Dec. 6.
Reeps, Harriette E., executrix. (See Reeps, Charles O.)
Rees, Gower H. (See Hoisington, William F., assignor.)
Rees', Hans, Sons, Incorporated. (See Rees, Louis du B., assignor.)
Rees, Louis du B., assignor to Hans Rees' Sons, Incorporated, New York, N. Y. Impregnating apparatus. 1,858,111; May 10.
Rees, Silas, London, England. Spring motor for gramophones and other purposes. 1,861,066; May 31.
Rees, William, St. Louis, Mo. Device for treating articles of furniture. 1,844,527; Feb. 9.
Rees, William H., Berkeley, Calif. Weighing apparatus. 1,845,557; Feb. 16.
Rees, William H., Berkeley, Calif. Weighing apparatus. 1,852,376; Apr. 5.
Rees, William H., Berkeley, Calif. Weighing apparatus. 1,864,029; June 21.
Reese Button Hole Machine Company, The. (See Althens, Herbert E., assignor.)
Reese, David B., assignor to Burgess Battery Company, Madison, Wis. Automatic stop mechanism. 1,874,894; Aug. 30.
Reese Engineering Company Ltd. (See Reese, Jesse C., assignor.)
Reese, Eva M., Canton, Ohio. Pack carrying harness. 1,871,223; Aug. 9.
Reese, Frank, assignor to Reese Metal Weather Strip Co., Minneapolis, Minn. Threshold. 1,875,495; Sept. 6.
Reese, Frank, assignor to Reese Metal Weather Strip Co., Minneapolis, Minn. Weather strip. 1,875,656; Sept. 6.
Reese, Franklin T., Pittsburgh, Pa., assignor, by mesne assignments, to Continental Roll & Steel Foundry Company, Wilmington, Del. Side roller bearing. 1,886,254; Nov. 1.
Reese, Jesse C., Montebello, Calif., assignor to Reese Engineering Company Ltd. Rotary drill bit. 1,868,074; July 19.
Reese, John, Goodhue, Minn. Folding fire escape ladder. 1,859,984; May 24.
Reese, Lemuel V., and G. W. Johnson, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Paper pulp extractor. 1,887,955; Nov. 15.
Reese, Louis C., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Gas fired traveling oven for baking bread and other articles of food. 1,844,178; Feb. 9.
Reese Metal Weather Strip Co. (See Reese, Frank, assignor.)
Reese, Millard. (See Brady, James W., jr., assignor.)
Reese, W. S. (See Chilcoat, Harry, assignor.)
Reese, Weston R., Scranton, Pa. Toothbrush. 1,868,368; July 19.
Reese, William, Canton, Ohio. Car coupler. 1,843,629; Feb. 2.
Reeve, George A., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Proportional gauge for dividing strip material. 1,842,202; Jan. 19.
Reeve, Roy H. (See Innes, George P., assignor.)
Reeve, Sidney A., Worcester, Mass., assignor to Beloit Iron Works, Beloit, Wis. Paper drier. 1,854,956; Apr. 19.
Reeves, Arthur E. (See Davidge, L. C., and Reeves.)
Reeves, Donald H. (See Hull, H. B., and Reeves.)
Reeves, Donald H., Dayton, Ohio, assignor, by mesne assignments, to Liquid Conveyor Corporation, Long Island City, N. Y. Liquid level gauge. Re18,514; July 5.
Reeves, Donald H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,852,479; Apr. 5.
Reeves, Donald H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,858,558; May 17.
Reeves, Donald H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,869,617; Aug. 2.
Reeves, George C. (See Beynon, R., and Reeves.)
Reeves, George V., Fort Arthur, Tex. Typewriter ribbon holder. 1,874,623; Aug. 30.
Reeves, Lawrence L. (See Borgstrom, Parry, assignor.)
Reeves Manufacturing Company, The. (See Krantz, Joseph A., assignor.)
Reeves Manufacturing Company, The. (See Vogan, Frank M., assignor.)
Reeves Manufacturing Company, The. (See Wendle, Virgil P., assignor.)
Reeves, Oliver H., Jamaica Plain, Mass. Derrick scaffold. 1,869,934; June 28.
Reeves, Orwell C., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,880,485; Oct. 4.
Reeves, Orwell C., and C. O. Marshall, assignors to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,869,438; Aug. 2.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable speed unit. Re18,333; Jan. 12.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Driving belt. 1,862,198; June 7.
Reeves, Paul B., assignor to Reeves Pully Company, Columbus, Ind. Driving belt. 1,883,821; Oct. 18.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Reeves, Ralph M. (See Mace, Frederick M., assignor.)
Reeves, William A. (See Tucker, O. M., and Reeves.)
Reeves, William A., and O. M. Tucker, Columbus, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Getting and delivering preformed charges of viscous glass. 1,884,276; June 21.
Reeves, Willie D., Pueblo, Colo. Tire cover advertising device. 1,854,861; Apr. 19.
Refined Steel Products Company. (See Hardesty, Ben F., assignor.)
Reflector Hardware Corporation. (See Taussig, Joseph, assignor.)
Reflector Hardware Corporation. (See Zadek, Milton, assignor.)
Reflex Electrical Products Company, The. (See MacFarland, Allis M., assignor.)
Refractory and Engineering Corporation. (See Clark, Horace N., assignor.)

Regal, August, Brno, Czechoslovakia. Impregnation or incrustation of hydrolyzed fibrous materials. 1,843,783; Feb. 2.
Regal Musical Instrument Co. (See Hunter, Albert E., assignor.)
Regal Shoe Company. (See Bliss, Elmer J., assignor.)
Regan, George P., Oakland, assignor to Parker-Regan Corporation, San Francisco, Calif. Mop holder. 1,886,739; Nov. 8.
Regan, John E., assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 1,872,005; Aug. 16.
Regan, John E., assignor to The Lamson Company, Syracuse, N. Y. Disk deflector. 1,872,006; Aug. 16.
Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
Regan Safety Devices Company, The. (See Shaver, A. G., and Nesp, assignors.)
Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,848,545; Mar. 8.
Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,868,713; Aug. 2.
Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Radial coupler mechanism. 1,883,344; Oct. 18.
Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,883,315; Oct. 18.
Regan, William J., Wilkinsburg, and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,882,899; Oct. 18.
Regan, William J., Wilkinsburg, and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,882,900; Oct. 18.
Regan, William V., New Haven, Conn., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Combined sole and heel. Des. 86,638; Mar. 29.
Regan, William V., New Haven, Conn., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Combined sole and heel. Des. 87,795; Sept. 20.
Regel, Bruno, assignor to Herm. Bertram, Hallesche Dampfmühlen-Fabrik und Maschinen-Bau, Knetmaschinen-Fabrik m. b. H., Halle-on-the-Saale, Germany. Machine for dividing and working dough. 1,892,633; Dec. 27.
Regelson, Rubin, New York, N. Y. Plant box. 1,865,960; July 5.
Regensburger, Richard W. (See De Vout, A. W., and Regensburger, assignors.)
Regensburger, Richard W., assignor, by mesne assignments, to Industries Patents Corporation, Chicago, Ill. Egg breaking and packing table. 1,875,496; Sept. 6.
Regensburger, Richard W., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Egg separator. 1,878,294; Sept. 20.
Regensburger, Richard W., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Separating and packing eggs. 1,887,516; Nov. 15.
Regensburger, Richard W., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Separating egg whites. 1,892,539; Dec. 27.
Regensburger, Richard W., and C. T. Walter, assignors, by mesne assignments, to Industries Patents Corporation, Chicago, Ill. Separating the whites from the yolks of eggs. 1,853,754; Feb. 23.
Reger, David B. (See Kaplan, Benjamin B., assignor.)
Reger, Martin. (See Pirani, M., Becker, and Reger.)
Reger, Martin. (See Pirani, M., and Reger.)
Reger, Martin, Gene Wiegand, K. Ewest, and Reger.)
Regerbis, Wilhelm, Hermsdorf, and M. Handtrag, Berlin-Friedenau, assignor to Hermsdorf-Schomburg Isolatoren, G. m. b. H., Hermsdorf, Germony. High tension condenser. 1,870,141; Aug. 2.
Regero, Frank, Macon, Ga., assignor to L. & R. Manufacturing Company. Watch cleaning machine. 1,872,812; Aug. 23.
Reggitts, John, Boonton, N. J. Tool for fastening sash weight cords. 1,882,095; Oct. 11.
Regina Corporation, The. (See Norris, Alfred E., assignor.)
Regnoni, Romualdo. (See Mazza, L., and Regnoni.)
Reh, Mathias, New York, N. Y. Brush. 1,847,668; Mar. 1.
Reh, Maxwell W., New York, N. Y. Candelabra. Des. 87,484; Aug. 2.
Rehberger, A. C., Co. (See Rehberger, Alfred C., assignor.)
Rehberger, Alfred C., assignor to A. C. Rehberger Co., Chicago, Ill. Fountain pen stand swivel. 1,844,334; Feb. 9.
Rehbock, Jean, Washington, D. C. Aircraft. 1,867,759; July 19.
Rehländer, Paul, Berlin-Charlottenburg, Germany. Optical system for photography. 1,872,501; Aug. 16.
Rehm, Alfred. (See Brodbeck, G., and Rehm.)
Rehm, Alfred, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electrical heating device for curling tongs. 1,884,232; Oct. 25.
Rehm, Alfred, and E. Sachs, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Curling tong. 1,849,154; Mar. 15.
Rehm, Alfred, Stuttgart, T. Wolff, Esslingen, and W. Walther, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Centrifugal governor. 1,884,233; Oct. 25.
Rehrig, William J., Los Angeles, Calif. Machine for making cost hangers. 1,876,752; Sept. 13.
Rehrig, William J., Los Angeles, Calif., assignor to Sta-On Garment Hanger Company. Slotting garment hangers. 1,871,823; Aug. 16.
Reise, Matthias, Rotenhahn, near Voorde, Holstein, Germany. Submerged alternating current drive. 1,885,140; Nov. 1.
Reiber, Albert H., assignor to Teletype Corporation, Chicago, Ill. Auto control system. 1,839,263; Jan. 5.
Reich, Aaron. (See Schneider, L., and Reich.)
Reich, Alexander, et al. (See Nestor, Thomas J., assignor.)
Reich, Charles, et al. (See Nestor, Thomas J., assignor.)
Reich, Ernest. (See Claus Ernest C., assignor.)
Reich, Ernest, Chicago, Ill. Heating device. 1,859,004; May 17.
Reich, Gustave T., Anaheim, Calif. Utilization of waste organic mixtures. 1,886,045; Nov. 1.
Reich, Heinrich, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Elastic fluid turbine. 1,843,190; Feb. 2.
Reich, Jenö, and L. Mayerhofer, Budapest, Hungary. Adjustable tensioning weight for the lace thread in the lace bone or bobbin. 1,870,673; Mar. 22.
Reichard, Harold D., assignor to The Pharis Tire & Rubber Company, Newark, Ohio. Tire. Des. 87,941; Oct. 11.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Impedance bond for track circuits. 1,852,377; Apr. 5.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 1,877,968; Sept. 20.
Reichart, James H. (See Love, Roscoe A., assignor.)
Reiche, Anton, Dresden, Germany, assignor to Bunte Brothers, Chicago, Ill. Candy bar. Des. 88,109; Oct. 25.
Reichel, Ferdinand, assignor to National Folding Box Company, New Haven, Conn. Dispensing carton. 1,866,130; July 5.
Reichel, Ferdinand, assignor to National Folding Box Company, New Haven, Conn. Container for packing and displaying merchandise. 1,868,174; July 19.
Reichelt, Bruno, Nutley, N. J. Temperature controlled release for fire extinguishing grenades. 1,847,849; Mar. 1.
Reichelt, Lester O. (See Bouget, Y. A., and Reichelt.)
Reichelt, Raymond E., Maywood, assignor, by mesne assignments, to United Machine Company, Chicago, Ill. Boxing for mattresses, cushions, and the like. 1,884,234; Oct. 25.
Reichenbach, William, Chicago, Ill. Aeroplane. 1,868,506; July 26.
Reichert, Carl, sr. and K., jr., Cannstatt, Germany. Electric cutting machine for cutting out woven fabrics. 1,876,075; Sept. 6.
Reichert, Erwin A., and W. S. Holzinger, Highland, Ill. Air cleaner. 1,877,868; Sept. 20.
Reichert, Hans, assignor of one-third to Tallimit-Bild-Gesellschaft, Berlin, Germany. Apparatus for the identification of persons using automatic and checking machines. 1,855,200; Apr. 26.
Reichert, James H., Muncie, Ind. Portable electric grill. 1,882,901; Oct. 18.
Reichert, Karl, jr. (See Reichert, C., sr. and K., jr.)
Reichert, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable forming apparatus. 1,882,902; Oct. 18.
Reichhelm, George L., New York, N. Y., assignor to The Gasifier Company, Elizabeth, N. J. Gasifying liquid fuels. 1,891,444; Dec. 20.
Reichhelm, George L., assignor to The Gasifier Company, Elizabeth, N. J. Oil gasifier. 1,891,445; Dec. 20.
Reichhelm, George L., Short Beach, Conn., assignor to The Gasifier Company, Elizabeth, N. J. Gasifying liquid fuels. 1,891,446; Dec. 20.
Reichhelm, Paul F., Montclair, assignor to American Swiss File & Tool Co., Elizabeth, N. J. Tool. 1,891,482; Dec. 20.
Reichle, Charles, Chicago, and H. E. Overholt, Glen Ellyn, assignors to Hub Metal Bed Co., Chicago, Ill. Folding bed. 1,849,806; Mar. 15.
Reichmann, Heinrich, Duisburg-Ruhrort, Germany. Automatic grab. 1,886,426; Nov. 8.
Reichmann, Reinhold. (See Schönfeldt, N., Reichmann, and Engelhardt.)
Reichmann, Reinhold, Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Manufacture of bodies from aluminum oxide. 1,877,531; Sept. 13.
Reichold, Ludwig, assignor to The Fitzgerald Manufacturing Company, Winsted, Conn. Thermostatic electric switch. 1,848,749; Mar. 8.
Reid, Alexander C., assignor to Leich Electric Company, Genoa, Ill. Map construction for power systems. 1,854,808; Apr. 19.

Reid, Allan R., Allston, assignor to Reid Piston Company, Brookline, Mass. Piston and connecting rod. 1,866,057; July 5.

Reid, Alton M. (See Sprecher, C. D., and Reid.)

Reid, Andrew S. (See Reid, Robert and A. S.)

Reid, Arthur P., et al. (See Galvin, Michael J., assignor.)

Reid, Charles R., Shawinigan Falls, Quebec, Canada. Process of and apparatus for governing the speed of prime movers. 1,858,939; May 17.

Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing alkali metal salts of organic acids. 1,856,263; May 3.

Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reducing the viscosity of cellulose ethers. 1,864,554; June 28.

Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reducing the viscosity of cellulose derivatives. 1,874,350; Aug. 30.

Reid, Forestus, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Container sealing machine. 1,887,699; Nov. 15.

Reid, Fred B., Hollywood, Fla. Container filling machine. 1,858,417; May 17.

Reid, Frederick G., and N. L. Cornell, assignors to Dunlap Tire and Rubber Corporation, Buffalo, N. Y. Motor-driven tread stitcher. 1,865,540; July 5.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Vehicle brake. 1,842,050; Jan. 19.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Tank vehicle frame construction. 1,866,635; July 5.

Reid, Frederick M., assignor to Fruehauf-Trailer Company, Detroit, Mich. Vehicle running gear. 1,877,052; Sept. 13.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Tandem wheel construction. 1,877,970; Sept. 20.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Tractor-trailer combination. 1,892,004; Dec. 27.

Reid, George H., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Manufacture of 1,4-dioxane. 1,879,637; Sept. 27.

Reid, Harold W., Brooklyn, N. Y. Extractor cup for coffee filters. 1,877,971; Sept. 20.

Reid, J. A., assignor to The Hartt Boot and Shoe Company Limited, Fredericton, New Brunswick, Canada. Arch support for boots and shoes. 1,886,976; Nov. 8.

Reid, James C., jr., Shaker Heights, Ohio. Apparatus for washing lithographic prints. 1,882,903; Oct. 18.

Reid, James F., assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Curb meter. 1,857,331; May 10.

Reid, James S., Cleveland, Ohio. Pipe coupling. 1,848,198; Mar. 8.

Reid, James S., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,855,649; Apr. 26.

Reid, James S., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,860,721; May 31.

Reid, James S., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Closure. 1,866,818; July 12.

Reid, James S., assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Sealing gasket for neck and closure structures. 1,875,148; Aug. 30.

Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Hub cap. 1,857,659; May 10.

Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Fluted channel. 1,862,705; June 14.

Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Window channel. 1,867,177; July 12.

Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Glass run channel. 1,892,518; Dec. 27.

Reid, John, Oil City, Pa. Belt tightener and guide. 1,861,133; May 31.

Reid, John, Oil City, Pa. Lubricating system. 1,871,201; Aug. 9.

Reid, John, assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Machine base mounting. 1,840,741; Jan. 12.

Reid, John Lyons, Kans., assignor to Diamond Crystal Salt Company, St. Clair, Mich. Apparatus for preparing preservatives. 1,882,904; Oct. 18.

Reid, John W. (See Govier, C. W., and Reid.)

Reid, Joseph, Gas Engine Company. (See Reid, John, assignor.)

Reid, Murdoch & Co. (See Anderson, Louis S., assignor.)

Reid, Murdock & Co. (See Canaday, Miron S., assignor.)

Reid Piston Company. (See Reid, Allan R., assignor.)

Reid Products Company, The. (See Gaines, Walter S., jr., assignor.)

Reid Products Company, The. (See Reid, James S., assignor.)

Reid, Raymond A., Cedar Rapids, Iowa. Sanding machine. 1,872,502; Aug. 16.

Reid, Robert, Muskegon, Mich. Internal combustion motor. 1,875,149; Aug. 30.

Reid, Robert, and A. S. Reid, Beverly, Mass. Apparatus for filleting fish. 1,883,822; Oct. 18.

Reid, Robert T., Seattle, Wash. Burglar alarm system. 1,840,637; Jan. 12.

Reid, Thomas H., Brooklyn, N. Y. Collapsible tube squeezer. 1,879,217; Aug. 23.

Reifel, Harry, Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Oscillation generation apparatus. 1,881,105; Sept. 27.

Reifschneider, Henry, Severance, Colo. Adjustable land leveler and planter. 1,851,064; Mar. 29.

Reiblic, Anthony, Toledo, Ohio. Toy. 1,870,752; Aug. 9.

Reiland, Ernest S. and P. M., St. Paul, Minn. Piston and ring. 1,866,907; July 12.

Reiland, Ernest S. and P. M., St. Paul, Minn. Piston and ring. 1,868,075; July 19.

Reiland, Ernest S. and P. M. Reiland, assignors to Universal Piston Company, Saint Paul, Minn. Piston. 1,885,290; Nov. 1.

Reiland, Frank D., Chicago, Ill. Adjustable shelf-angle support for building construction. 1,872,813; Aug. 23.

Reiland, Peter M. (See Reiland, Ernest S., and P. M.)

Reilly, Alfred F., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Vanity case. 1,869,983; Aug. 2.

Reilly, Frank C., New York, N. Y. Bottle or similar container. Des. 86,579; May 17.

Reilly, Frank C., New York, N. Y. Elevator ventilation. 1,872,007; Aug. 16.

Reilly, Gerard. (See Miles, E. H., and Reilly.)

Reilly, Peter C. (See Cislak, Francis E., assignor.)

Reilly, Peter C. (See Derby, Ira H., assignor.)

Reilly, Peter C. (See Derby, J. H., and Cunningham, assignors.)

Reilly, Peter C. (See Edwards, Carleton B., assignor.)

Reilly, Peter C. (See Hansen, Mahlin S., assignor.)

Reilman, Fred H. (See Orgeman, C. C., and Reilman.)

Reiman, Paul, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,530; Nov. 15.

Reiman, Paul, New York, N. Y. Textile fabric or the like. Des. 88,480; Nov. 29.

Reiman, Paul, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,823; Dec. 27.

Reiman, Paul, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,824; Dec. 27.

Reimann, Albert, Ludwigshafen-on-the-Rhine, Germany. Production of a sodium phosphate with two molecules of water of crystallization. 1,865,588; July 5.

Reimann, Erich, Charlottenburg, Germany, assignor to General Electric Company. Regulation of asynchronous machines. 1,858,058; May 10.

Reime, Georg, Behringersdorf, near Nuremberg, and G. Hoffmann, Nuremberg, Germany, assignors to Westinghouse Electric & Manufacturing Company. Meter magnet structure. 1,843,518; Feb. 2.

Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Latch lock. 1,866,578; July 12.

Reimschissel, Charles A. (See Shearer, H. T., and Reimschissel.)

Reimuller, Caryl. (See Reimuller, P. E., C., O. C., and D. H.)

Reimuller, Dagmar H. (See Reimuller, P. E., C., O. C., and D. H.)

Reimuller, Oscar C. (See Reimuller, P. E., C., O. C., and D. H.)

Reimuller, Paul E., C., O. C., and D. H., Wilmette, Ill. Internal combustion motor. 1,847,850; Mar. 1.

Rein, John. (See Henning, L. G., and Rein.)

Reinagel, George F., Buffalo, N. Y. Rack for holding newspapers or the like. Des. 88,825; Dec. 27.

Reincke, Lula M., Denver, Colo. Soup spoon. Des. 85,959; Jan. 5.

Reindel, Hans. (See Ambros, O., Reindel, Eisele, and Stoebrel.)

Reinecker, J. E., A. G. (See Reinecker, Richard, assignor.)

Reinecker, Richard, assignor to J. E. Reinecker, A. G., Chemnitz, Germany. Arbor support for gear cutting machines. 1,885,628; Nov. 1.

Reineking, Frederick J., Inglewood, Calif. Dispensing can. 1,864,936; June 28.

Reiner, Martin J., Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Tinsel garland. 1,882,005; Oct. 18.

Reiner, Max, Bronx, assignor to Perpetual Self Winding Watch Company of America, Inc., New York, N. Y. Self-winding clock. 1,844,682; Feb. 9.

Reiner, Max, assignor, by mesne assignments, to Perpetual Self Winding Watch Corporation, New York, N. Y. Self winding watch. 1,853,677; Apr. 12.

Reiner, Robert, Inc. (See Dost, Fred, assignor.)

Reinforced Paper Bottle Corporation. (See Bodor, Andrew, assignor.)

Reingold, Meyer, Brooklyn, N. Y. Waterproof overalls. 1,844,821; Feb. 9.

Reingold, Meyer, Brooklyn, N. Y. Concealable running board luggage carrier. 1,850,032; Mar. 15.

Reinhard, George F., Grand Rapids, Mich. Service table. 1,886,446; Nov. 8.

Reinhard, Hugo, Oberhausen, Germany. Method of and apparatus for producing zinc oxid. 1,842,287; Jan. 19.
Reinhardt, Albert. (See Struch, F. A., and Reinhardt.)
Reinhardt, August G. (See Greenan, William T., assignor.)
Reinhardt, Friedrich. (See Kleinow, W., Morgenroth, Reinhardt, and Bruer.)
Reinhardt, G. E. (See Linier-Maschinen- und Buchdruck-Metall-Utensilien-Fabrik.)
Reinhardt, George, Pleasant Plains, Staten Island, N. Y. Sectional tire casing. 1,869,117; July 26.
Reinhardt, Gustav A. (See Langsdorf, F. C., and Reinhardt.)
Reinhardt, Gustav A., and R. H. Eurich, Youngstown, Ohio. Manufacture of ferrous articles. 1,878,539; Sept. 20.
Reinhardt, Gustav A., and R. H. Eurich, Youngstown, Ohio. Electrolytic method of continuous sheet manufacture and apparatus therefor. 1,878,540; Sept. 20.
Reinhardt, Otto, Pawtucket, R. I. Curtain rod. 1,875,150; Aug. 30.
Reinhart, R. E., Messrs. (See Miersch, Heinrich, assignor.)
Reinhart, Emanuel J., Chester, Pa. Hinge. 1,840,211; Jan. 5.
Reinhart, Emanuel J., Chester, Pa. Fastener for cold storage and refrigerator doors. 1,840,252; Jan. 5.
Reinhart, Irwin. (See Sackers, P., Reinhart, and Straub.)
Reinhold, B. (See Abegg, Walter A., assignor.)
Reinhold, Baldwin. (See Abegg, Walter A., assignor.)
Reinhold, Charles, Geneva, Switzerland. Device for removing hubs from their axles. 1,879,883; Sept. 27.
Reinhold, John J., Marietta, Pa. Paper weight. Des. 86,504; Mar. 8.
Reinhold, John J., Marietta, Pa. Grave marker. Des. 86,806; Apr. 19.
Reinhold, John J., Marietta, Pa. Advertising device for ordering dairy products. 1,878,541; Sept. 20.
Reinhold, John J., Marietta, Pa. Kneading device. 1,879,493; Sept. 27.
Reinhold, John J., Marietta, Pa. Coin holder. 1,884,235; Oct. 25.
Reinhold, Oscar A., Chicago, Ill. Table lamp. Des. 87,026; May 24.
Reinke, Gertrude, trustee. (See Anderson, Carlton, assignor.)
Reinolt, Louis, assignor to Manufacturing Metallurgique De Tournus, Tournus, France. Handgrip. 1,860,596; May 31.
Reinschreiber, Henry. (See Orenstine, B., Schlesinger, and Reinschreiber.)
Reis, Benedict, New York, and A. Wasser, Mamaroneck, assignors to Minnie Reis, New York, and M. S. Wasser, Mamaroneck, N. Y. Portable shelter. 1,845,814; Feb. 16.
Reis, Curt F. (See Harley, T. J., assignor.)
Reis, Curt F., assignor to Excel Magneto Co., Chicago, Ill. Magneto rotor. 1,853,779; Apr. 12.
Reis, Curt F., assignor to Excel Magneto Co., Chicago, Ill. Armature. 1,860,749; May 31.
Reis, Curt F., assignor to Excel Magneto Company, Chicago, Ill. Magneto mounting and connections. 1,880,983; Oct. 4.
Reis, Curt F., assignor to Excel Magneto Company, Chicago, Ill. Ignition dynamo. 1,889,878; Dec. 6.
Reis, Minnie, et al. (See Reis, B., and Wasser, assignors.)
Reis, Sylvan, Brooklyn, N. Y. Toy lamp or similar article. Des. 86,745; Apr. 12.
Reisert, John J., Covington, Ky. Safety attachment for mouse and rat traps. 1,841,981; Jan. 19.
Reising, Eugene G., East Hartford, Conn., assignor of one-fourth to A. C. Washburne, Pittsfield, Mass. Firearm. 1,840,054; Jan. 5.
Reising, Eugene G., East Hartford, Conn., assignor of one-fourth to Alva C. Washburne, Pittsfield, Mass. Firearm. 1,869,911; Aug. 2.
Reising, Eugene G., Hartford, Conn. Firearm. 1,869,618; Aug. 2.
Reisinger, Frank X., jr., Schenectady, N. Y. Automatic lubrication annunciator for motor vehicles. 1,891,335; Dec. 20.
Reisinger, Harry B. (See Hunter, L. G., and Reisinger, assignors.)
Reisman, Adolph B., New York, N. Y. Belt. 1,860,202; May 24.
Reisman, Emil. (See Flanzer, J. A., and Reisman.)
Reisman, Emil. (See Jones, L. L., Flanzer, and Reisman.)
Reisman, Emil, Brooklyn, N. Y., assignor to Psychophone Corporation, New York, N. Y. Rectifier. 1,868,175; July 19.
Reisner, Gustav A., assignor of one-half to E. H. Huches Austin, Tex. Vegetable slicing machine. 1,866,947; July 12.
Reisner, W. H., Manufacturing Company, The. (See Myers, C. F., and Reisner, assignors.)
Reisner, William H. (See Myers, C. F., and Reisner.)
Reiss Manufacturing Company, The. (See Phelps, Clyde H., assignor.)
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Bearing bracket for dynamo-electric machines and making the same. 1,869,118; July 26.
Reisz, Eugen, Berlin-Dahlem, Germany. Electrostatic telephone and microphone. 1,859,170; May 17.
Reiter, Charles F., Minneapolis, Minn. Self-cleaning rake attachment. 1,871,084; Aug. 9.

Reiter, Daniel I., New York, N. Y. Socket fastener slide. 1,849,807; Mar. 15.
Reiter, Daniel I., New York, N. Y. Capped pin. 1,853,880; Apr. 12.
Reiter, Daniel I., New York, N. Y. Self-adjusting fastener slide. 1,857,973; May 10.
Reiter, Daniel I., New York, N. Y. Slide fastener. 1,859,271; May 17.
Reiter, Daniel I., New York, N. Y. Pronged fastener slide. 1,889,322; Nov. 29.
Reiter, Daniel I., New York, N. Y. Pronged socket. 1,891,013; Dec. 13.
Reiter, David, Woodside, N. Y. Dental handpiece guard. 1,841,915; Jan. 19.
Reiter, Henry J., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Tape guiding attachment for sewing machines. 1,843,302; Feb. 2.
Reiter, Henry J., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hook tape guiding attachment for sewing machines. 1,847,224; Mar. 1.
Reiter, Lues, Providence, R. I. Curtain fastener. 1,841,630; Jan. 19.
Reiter, Lues, Providence, R. I. Fastener. 1,872,187; Aug. 16.
Reiter, Mathias A., assignor to Geib & Schaefer Co., Chicago, Ill. Case for musical instruments, such as an accordion or the like. Des. 86,270; Feb. 16.
Reiter, Tiberius, and D. Gábor, Berlin-Charlottenberg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for treating living cells by means of rays of light. 1,856,969; May 3.
Reitenman, Ralph W., Oak Park, assignor to Flashric Sign Works, Chicago, Ill. Electrode. 1,856,727; May 3.
Reitmeister, Wilhelm, Kirchmoser Havelwerk, Germany. Melting and deoxidizing metals and alloys. 1,856,293; May 3.
Reitz, Charles J. (See Gries, Frank X., assignor.)
Reitz, Harold H., Appleton, Wis. Garment pocket construction. 1,873,024; Sept. 20.
Reitz, Herman, East Islip, N. Y. Stand for watches. 1,877,532; Sept. 13.
Reitzig, Albert, Magdeburg, Germany. Apparatus for stripping electric wires and for binding the end of the insulation. 1,867,712; July 19.
Rek, Jean, Paris, France. Fen support. 1,854,625; Apr. 19.
Rekar, Jay J., Los Angeles, Calif. Portable wall transformer for orificial appliances. Des. 87,026; May 24.
Rekar, Jay J., Los Angeles, Calif. Portable combination body raying reflector and orificial applicator stand. Des. 87,027; May 24.
Rekar, Jay J., Los Angeles, Calif. Portable-standard transformer for orificial applicators. Des. 87,317; July 5.
Reliable Knitting Works. (See Joha, Elmer N., assignor.)
Reliance Electric & Engineering Company, The. (See Henderson, F. W., and Fisher, assignors.)
Reliance Electric and Engineering Company, The. (See MacCutcheon, Alexander M., assignor.)
Reliance Electric and Engineering Company. (See Miller, Carl E., assignor.)
Reliance Electric and Engineering Company, The. (See Robinson, Charles E., jr., assignor.)
Reliance Gauge Column Company, The. (See Brown, John R., assignor.)
Reliance Gauge Column Company, The. (See Osborn, George W., assignor.)
Reliance Machine & Stamping Works, Inc. (See Dunlap, Emmett A., assignor.)
Reliance Machine & Stamping Works, Incorporated. (See McGahey, Robert E., assignor.)
Reliance Manufacturing Company. (See Bears, Daniel S., assignor.)
Reliance Manufacturing Company, The. (See Cowlin, Eugene D., assignor.)
Reliance Manufacturing Company. (See Heyman, Joseph K., assignor.)
Reliance Manufacturing Company. (See Heyman, J. K., and Wenzel, assignors.)
Reliance Regulator Corporation. (See Thrall, Walter I., assignor.)
Reliance Specialties Mfg. Co. (See Coban, Morris J., assignor.)
Reller, Otto R., and C. W. Hallene, assignors to Moline Tool Company, Moline, Ill. Lapping machine. 1,866,836; Nov. 8.
Rellim Investment Company. (See Miller, William F., assignor.)
Relling, Thor. (See Stoody, W. F., and Relling.)
Remark, Isidore J., assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire. Des. 86,473; Mar. 8.
Remark, Isadore J., assignor to The General Tire & Rubber Company. Akron, Ohio. Rubber stock feeding device. 1,871,560; Aug. 16.
Rembert, Ernest W., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Distillation and conversion of mineral oils. 1,892,534; Dec. 27.
Rembrandt Intaglio Printing Company Limited. (See Baldwin, George T., assignor.)
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,843,735; Feb. 2.

Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,843,736; Feb. 2.
Remde, Edward H., assignor to The Baker-Rauling Company, Cleveland, Ohio. Industrial truck. 1,853,780; Apr. 12.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,855,068; Apr. 19.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,856,082; May 3.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,858,903; May 17.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,868,176; July 19.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,870,067; Aug. 2.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,870,689; Aug. 9.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,870,690; Aug. 9.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,875,762; Sept. 6.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,882,036; Oct. 11.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,883,319; Oct. 18.
Remde, Edward H., Cleveland, Ohio. Industrial truck. 1,884,861; Oct. 25.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,884,862; Oct. 25.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Magnetic brake. 1,884,863; Oct. 25.
Remick, Arthur E., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper and making the same. 1,839,995; Jan. 5.
Remick, Lyle S., San Francisco, assignor to Hartsook-Remick, Inc., Los Angeles, Calif. Timing device for photographic printing machines. 1,844,179; Feb. 9.
Remillard, Albert, Waterville, Me. Pie wrapping machine. 1,861,551; June 7.
Remillard, Edgar D., Williamstown, Mass. Nozzle tip holder. 1,851,373; Mar. 29.
Remington Arms Company. (See Arnold, Frank, assignor.)
Remington Arms Company. (See Bradbury, W. S., and Lowe, assignors.)
Remington Arms Company. (See Brün, Willi, assignor.)
Remington Arms Company. (See Burns, James L., assignor.)
Remington Arms Company. (See Burns, J. E., and Woodford, assignors.)
Remington Arms Company. (See Burns, James F., assignor.)
Remington Arms Company. (See Curtis, John B., assignor.)
Remington Arms Company. (See Hadley, Egbert C., assignor.)
Remington Arms Company. (See Loomis, Crawford C., assignor.)
Remington Arms Company. (See Tillmanns, C. W., and Sohn, assignors.)
Remington Arms Company. (See von Herz, Edmund, assignor.)
Remington Arms Company. (See Woodford, Watson H., assignor.)
Remington Arms Company, Inc. (See Loomis, C. C., assignor.)
Remington Arms Company, Incorporated. (See von Herz, E., and Rathsburg, assignors.)
Remington, Joseph, Gaylord, Mich. Snow scraping machine. 1,880,984; Oct. 4.
Remington, Joseph P., Philadelphia, Pa. Differential mechanism. 1,854,910; Apr. 19.
Remington, Joseph P., Philadelphia, Pa. Pressure gauge. 1,860,904; May 31.
Remington, Joseph P., assignor to J. H. Bell, Philadelphia, Pa. Differential mechanism. 1,859,245; May 17.
Remington, Leonard F., Franklin, Mass., assignor to Thomson National Press Co., Inc. Sheet registering mechanism. 1,866,579; July 12.
Remington Rand Inc. (See Barker, Howard F., assignor.)
Remington Rand Inc. (See Buchter, Jan, assignor.)
Remington Rand Inc. (See Campbell, C. S., and Day, assignors.)
Remington Rand Inc. (See Clark, Thomas B., assignor.)
Remington Rand Inc. (See Davis, Elmer W., assignor.)
Remington Rand Inc. (See Day, William H., assignor.)
Remington Rand Inc. (See Dungan, John E., assignor.)
Remington Rand Inc. (See Hurns, T. E., and Leslie, assignors.)
Remington Rand Inc. (See Hutchings, Le Roi E., assignor.)
Remington Rand Inc. (See Jackson, Arthur R., assignor.)
Remington Rand Inc. (See Landsiedel, Walter W., assignor.)
Remington Rand Inc. (See Lasker, William W., assignor.)
Remington Rand Inc. (See Last, James, assignor.)
Remington Rand Inc. (See Link, Forrest, assignor.)
Remington Rand Inc. (See McLaughlin, Dennis J., assignor.)
Remington Rand Inc. (See Mehan, Thomas O., assignor.)
Remington Rand Inc. (See Merkle, Joseph R., assignor.)
Remington Rand Inc. (See Ohnstrand, Enoch, assignor.)
Remington Rand Inc. (See Paris, Robert E., assignor.)
Remington Rand Inc. (See Rand, Benjamin G., assignor.)
Remington Rand Inc. (See Rand, J. H., and Ohnstrand, assignors.)
Remington-Rand Inc. (See Sibley, Edward W., assignor.)
Remington Rand Inc. (See Stuart, Nicholas H., assignor.)
Remington Rand Inc. (See Wigginton, George P., assignor.)
Remington Rand Inc. (See Wolfe, Clarence H.)
Remington Rand Inc. (See Wolters, Carl F., assignor.)
Remington Rand Inc. (See Wood, Rodney J., assignor.)
Remington Service Machines, Inc. (See Woods, Harold B., assignor.)
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Benner, Russell E., assignor.)
Remington Typewriter Company. (See Flach, Walther, assignor.)
Remington Typewriter Company. (See Going, George G., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Remington Typewriter Company. (See Hart, F. A., and Walsoe, assignors.)
Remington Typewriter Company. (See Phelps, Joseph, assignor.)
Remington Typewriter Company. (See Rand, James H., Jr., assignor.)
Remington, Walter B., Big Springs, Nebr. Guiding attachment for tractors. 1,891,014; Dec. 13.
Remney, George Bickley, Philadelphia, Pa. High temperature furnace. 1,879,494; Sept. 27.
Rémondy, Léon E., Paris, France. Fuse, more particularly for artillery and air-craft projectiles. 1,854,669; Apr. 19.
Remonte, John, Corpus Christi, Tex. Target actuating and resetting mechanism. 1,851,647; Mar. 29.
Remotrole Corporation. (See Washington, B., and Aull, assignors.)
Rempen, Walter, Hannover, Germany, assignor to A. M. Sloss, New York, N. Y. Stove for burning disintegrated lignite coke. 1,878,644; Sept. 20.
Rempfer, Marvin. (See Cassidy, L. S., and Rempfer.)
Remscheid, Emil J., Schenectady, N. Y., assignor to General Electric Company. Electrolytic disintegration preventing means. 1,844,683; Feb. 9.
Remsen Corporation. (See McMann, Arthur A., assignor.)
Remy, Earl T., Crestline, Ohio. Ash carrier. 1,887,041; Nov. 8.
Remy, Earl T., Crestline, assignor to Voisard, Incorporated, Shiloh, Ohio. Ventilator. 1,865,961; July 5.
Renaud, Collis P., Tulare, Calif. Automatic control scraper. 1,858,599; May 17.
Renaud, Louis, Toucy, France. Closing mechanism for railroad car doors. 1,844,978; Feb. 16.
Renault, Louis. (See Saives, Léon, assignor.)
Renaux, Eugène P., Paris, France, assignor to Bendix Brake Company, Chicago, Ill. Servo mechanism. 1,859,930; Jan. 5.
Renck, Heinrich, Hamburg, Germany. Renewing ink-repellent surfaces on mercury printing plates. 1,889,374; Nov. 29.
Renck, Heinrich, Hamburg, Germany. Renewing ink-repellent surfaces on mercury printing plates. 1,889,375; Nov. 29.
Renck, Heinrich, Hamburg, Germany. Procedure for freshening up amalgamated printing spots. 1,889,376; Nov. 29.
Rendall, Arthur R. A., and E. K. Sandeman, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Compensating for distortion in transmission. 1,866,601; July 12.
Rendelman, Joseph, Philadelphia County, Pa. Radiator. 1,857,966; May 10.
Rendle, Thomas, Ottawa, Ill. Iron last and stand. 1,877,253; Sept. 13.
Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Air line oiler. 1,849,155; Mar. 15.
Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Fluid operated tool. 1,858,059; May 10.
Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Hammer for rock drills. 1,866,819; July 12.
Renfer, John E., assignor to Cleveland Rock Drill Company, Cleveland, Ohio. Air line oiler. 1,874,062; Aug. 30.

Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Pneumatic tool. 1,874,063; Aug. 30.

Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Tool for fluid actuated machines. 1,882,906; Oct. 18.

Renfrew Machinery Company Limited, The. (See Vandecan, Edouard, assignor.)

Renfrow, Homer E., Flora, Oreg. Fuel box. 1,863,765; June 21.

Renick, Edward, assignor to The Stanley Manufacturing Company, Dayton, Ohio. Apparatus and method of making colored labels. 1,848,434; Mar. 8.

Renkwitz, Erich, Aschaffenburg-Leider, assignor to the Firm of Stahlwerke Mark. m. b. H. Frankfort-on-the-Main, Germany. Manufacturing a red pigment of iron oxide. 1,848,660; Mar. 8.

Renn, Bennie E., Jefferson City, Mo. Rim tire tool. 1,863,876; June 21.

Renn, Rudolph E., et al. (See Renn, William H., assignor.)

Renn, William H., assignor of one-sixth to R. E. Renn and one-sixth to E. T. Renn, Durham, and one-third to C. A. Douglass, Raleigh, N. C. Automatic pressure retaining valve. 1,854,562; Apr. 19.

Renner, Herbert O. (See Haas, L. W., and Renner.)

Rennerfelt, Ivar, Djursholm, Sweden. Electric furnace. 1,851,944; Apr. 5.

Rennick, Lyle S., San Francisco, assignor to Hartsook-Rennick Inc., Los Angeles, Calif. Automatic timing device for photographic printing machines. 1,844,180; Feb. 9.

Rennick, Warner H. (See Hickok, R. D., and Rennick.)

Reno, Jesse W., New York, N. Y. Soap dish. 1,840,467; Jan. 12.

Reno, Joseph, Jamaica, assignor of one-half to A. Seafidi, Astoria, N. Y. Ear protector. 1,857,974; May 10.

Reno, Thomas E., jr., Pollanshaw, W. Va., assignor to Follansbee Brothers Company, Pittsburgh, Pa. Producing low core loss magnetic material. 1,869,078; July 26.

Renold, Charles G., Renold, Manchester, assignor to Hans Renold Limited, Manchester, England. Conveyer chain and the like. 1,860,597; May 31.

Renold & Coventry Chain Company Limited, The. (See Renshaw, Alfred, assignor.)

Renold, Hans, Limited. (See McMillan, Kingsley D., assignor.)

Renold, Hans, Limited. (See Renold, Charles G., assignor.)

Renold, Hans, Limited. (See Renshaw, Alfred, assignor.)

Rens, Dick, Waupun, Wis. Hen's nest. 1,872,608; Aug. 16.

Renshaw, Alfred, assignor to Hans Renold, Limited, Hulme, Manchester, England. Transmission chain. 1,841,117; Jan. 19.

Renshaw, Alfred, Didsbury, Manchester, assignor to The Renold & Coventry Chain Company Limited, London, England. Clutch. 1,887,467; Nov. 8.

Renshaw, Alfred H., Norston, Conn., assignor to General Railway Signal Company, Rochester, N. Y. Adjustable support for pipe carriers. 1,877,590; Sept. 13.

Renshaw, David E. (See Schaake, W., and Renshaw.)

Renshaw, Joseph H., Cincinnati, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,883,823; Oct. 18.

Renshler, John D., Findley, Ohio. Automatic locking and fastening device for vaults. 1,862,064; June 7.

Rensonnet, Oscar, Etterbeek-Brussels, Belgium, assignor to Henry Dujardin, New York, N. Y. Motor vehicle steering sight. 1,872,428; Sept. 13.

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Glow relay tube. 1,845,055; Jan. 5.

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Glow relay tube. 1,871,279; Aug. 9.

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Photo-electric tube. 1,871,280; Aug. 9.

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron discharge device. 1,871,344; Aug. 9.

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Glow relay tube. 1,875,151; Aug. 30.

Rentschler, Mahlon J. (See Jeavons, W. R., and Rentschler.)

Rentz, Frank B., assignor to G. V. Pickett, Yankton, S. Dak. Heater for cooling liquids of internal combustion engines. 1,857,767; May 10.

Rentz, Frank B., assignor to G. V. Pickett, Yankton, S. Dak. Heater for liquid cooling systems of internal combustion engines. 1,871,908; Aug. 9.

Renwick, Frank F. (See Shepherd, F. J., and Renwick.)

Renwick, Ross L., Niles, Mich. Insect electrocutor. 1,879,495; Sept. 27.

Renz, Henry K., assignor to The Superior Confection Company, Columbus, Ohio. Game device. 1,887,968; Nov. 8.

Renz, William, assignor of one-half to W. H. Zschappel, Brenham, Tex. Grading machine. 1,851,447; Mar. 29.

Renzelberg, August, Nuremberg, Germany. Dividers and adjustable point therefor. 1,842,051; Jan. 19.

Renzetti, Luigi, Medford, Mass. Window screen. 1,844,599; Feb. 9.

Reo Motor Car Company. (See Ayres, Seymour A., assignor.)

Reo Motor Car Company. (See Bethune, John, assignor.)

Reo Motor Car Company. (See Cotes, William A., assignor.)

Reo Motor Car Company. (See Furgason, Claude E., assignor.)

Reo Motor Car Company. (See Garling, R. A., and Ott, assignors.)

Reo Motor Car Company. (See Hildorf, W. G., and McIntosh, assignors.)

Reo Motor Car Company. (See Northup, Amos E., assignor.)

Reo Motor Car Company. (See Redner, Allen B., assignor.)

Reo Motor Car Company. (See Shaw, Harry A., assignor.)

Reo Motor Car Company. (See Thomas, Horace T., assignor.)

Reo Motor Car Company. (See Thomas, H. T., Bethune, and Hays, assignors.)

Reo Motor Car Company. (See Wells, Walter W., assignor.)

Repath, Kenneth H. (See Martin, A. R., Kelly, and Repath.)

Replitura Corporation, The. (See Brixey, Austin D., assignor.)

Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, Toledo, Ohio, trustee. Adjustable roller support for airway cleaners. 1,862,941; June 14.

Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, Toledo, Ohio, trustee. Apparatus for bending tubes of fiber and similar material. 1,877,627; Sept. 13.

Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, Toledo, Ohio, trustee. Method for bending tubes of paper, fiber, and similar material. 1,877,628; Sept. 13.

Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, Toledo, Ohio, trustee. Method for bending tubes of fiber and similar material. 1,877,629; Sept. 13.

Replogle, Daniel B., Berkeley, Calif., assignor, by direct and mesne assignments, to The Commerce Guardian Trust and Savings Bank, trustee, Toledo, Ohio. Airway elbow attachment for hose extensions. 1,884,864; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor, by direct and mesne assignments, to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Supporting standard for suction cleaners. 1,884,865; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor, by direct and mesne assignments, to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Airway cleaner support. 1,884,866; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor, by direct and mesne assignments, to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Support for airway cleaners. 1,884,867; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor, by direct and mesne assignments, to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Airway cleaner supporting ledge. 1,884,868; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor by direct and mesne assignments, to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Making pipe sections. 1,884,869; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor, by direct and mesne assignments, to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Hose pipe hanger for airway cleaners. 1,884,870; Oct. 25.

Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Airway suction cleaner. 1,887,600; Nov. 15.

Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Dust collecting apparatus for suction cleaners. 1,887,601; Nov. 15.

Replogle, Delbert E., Jersey City, N. J., assignor to Raytheon Inc., Cambridge, Mass. Voltage regulator. 1,844,977; Feb. 16.

Replogle, James B., Detroit, Mich., assignor to James B. Replogle Laboratories, Inc., Boston, Mass. Seals. 1,839,264; Jan. 5.

Replogle, James B., Detroit, Mich., assignor to James B. Replogle Laboratories Inc., Boston, Mass. Pumping mechanism. 1,843,338; Feb. 2.

Replogle, James B., Detroit, Mich., assignor to James B. Replogle Laboratories, Inc., Boston, Mass. Condenser for refrigerating systems. 1,851,329; Mar. 29.

Replogle, James B., Laboratories. (See Replogle, James B., assignor.)

Replogle, John R., Detroit, Mich., assignor to Copeland Products, Inc. Resilient support. 1,880,280; Oct. 4.

Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Controlling mechanism for refrigerating apparatus. 1,862,635; June 14.

Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Mechanically refrigerated cabinet. 1,869,119; July 26.

Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Lid for refrigerated cabinets, 1,878,181; Sept. 20.

Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerator. 1,862,634; June 14.

Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating unit. 1,891,728; Dec. 20.

Repony, Daniel Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Splice and splicing belts and the like. 1,859,468; May 24.

Repp, Albert T., Glassboro, N. J. Insect barrier for trees. 1,863,672; June 21.

Reppe, Walter, and U. Hoffmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of unsaturated hydrocarbons. 1,841,055; Jan. 12.

Reppe, Walter, and U. Hoffmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of saturated fatty acid nitriles. 1,891,055; Dec. 13.

Reppen, Joseph N., assignor to Swedlix Brake Company, South Bend, Ind. Plating. 1,839,931; Jan. 5.

Reppert, Richard V., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,846,065; Feb. 23.

Repschleger, William E., G. Armistead, jr., B. B. Talbot, and C. H. Placette, Fort Arthur, Tex., assignors to The Texas Company, New York, N. Y. Proportional pumping apparatus. 1,872,503; Aug. 16.

Republic Brass Company, The. (See Pollock, Julius, assignor.)

Republic Carbon Company. (See Broadwell, Bartley E., assignor.)

Republic Carbon Company, The. (See Broadwell, B. E., and Hinckley, assignors.)

Republic Fireproofing Company. (See Palmer, Alden J., assignor.)

Republic Flow Meters Co. (See Cunningham, Arthur B., assignor.)

Republic Flow Meters Company. (See Cunningham, A. B., and Spitzglass, assignors.)

Republic Flow Meters Co. (See Leahy, Frank E., assignor.)

Republic Flow Meters Co. (See Schneider, Elmer, assignor.)

Republic Flow Meters Co. (See Spitzglass, Albert F., assignor.)

Republic Flow Meters Company. (See Spitzglass, A. F., and Handwerk, assignors.)

Republic Iron and Steel Company. (See Leventry, Roy L., assignor.)

Republic Metalware Company. (See Le Sauvage, G. R., and Padelford, assignors.)

Republic Metalware Company, The. (See Padelford, L. E., and Sukovitz, assignors.)

Republic Stamping and Enameling Company, The. (See Carlson, Charles M., assignor.)

Republic Steel Corporation. (See Bahney, Robert H., assignor.)

Republic Steel Corporation. (See Coryell, William C., assignor.)

Republic Steel Corporation. (See Coyle, Paul L., assignor.)

Republic Steel Corporation. (See Ellison, Harry C., assignor.)

Republic Steel Corporation. (See Flynn, Frank E., assignor.)

Republic Steel Corporation. (See Grant, Karl W., assignor.)

Republic Steel Corporation. (See Lentz, George W., assignor.)

Republic Steel Corporation. (See Risher, William D., assignor.)

Republic Steel Corporation. (See Schmitz, Fred A., assignor.)

Republic Steel Corporation. (See Sturm, Joseph, assignor.)

Republic Steel Corporation. (See Witherow, William P., assignor.)

Republic, Inc. (See Bottrell, Henry T., assignor.)

ReQua, Frederick L., assignor to Welding Service, Inc., San Francisco, Calif. Rail joint. 1,868,992; July 26.

Requa, Marjorie, Beverly Hills, and T. L. McClellan, Los Angeles, Calif. Method and apparatus comprising a sanitary protective means for beds and the like. 1,875,657; Sept. 6.

Resca, Salvatore. Brooklyn, N. Y. Sash holder. 1,869,866; Aug. 2.

Reschke, William F. (See Whiteside, Victor, assignor.)

Reschke, William F., Wichita, Kans. Feed grinding mill. 1,862,907; June 14.

Rese, Otto, Wilmington, Del. Multicolor pen. 1,856,655; May 3.

Research Association of British Rubber Manufacturers, The. (See Daynes, H. A., and Scott, assignors.)

Research Association of British Rubber Manufacturers, The. (See Porritt, B. D., and Dawson, assignors.)

Research Corporation. (See Crowder, A. N., and Simmons, assignors.)

Research Corporation. (See Hale, John C., assignor.)

Research Corporation. (See Hedberg, Carl W. J., as signor.)

Research Corporation. (See Herber, Pierre, assignor.)

Research Corporation. (See Meston, A. F., and Wintermute, assignors.)

Research Corporation. (See Wintermute, H. A., and Hedberg, assignors.)

Research Institute for Iron, Steel and Other Metals. (See Honda, K., and Kase, assignors.)

Research Laboratories of National Dairy Products Corporation. (See Johnson, A. H., and Weisberg, assignors.)

Resek, Marc. (See Chadwick, L. S., and Dahlstrom.)

Resek, Marc. (See Chadwick, L. S., and Resek.)

Resek, Marc. (See Chadwick, L. S., Resek, and Dahlstrom.)

Resek, Marc. (See Chadwick, L. S., Resek, and Kessler.)

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Safety blow-off device. 1,858,280; May 10.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Steam generating apparatus. 1,871,859; Aug. 16.

Resengin, Inc. (See Freeman, L. C., and Buesch, assignors.)

Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)

Resinous Products & Chemical Co. Inc., The. (See Bruson, H. A., and Robinson, assignors.)

Resnik, Edward, Bronx, and M. Resnik, New York, N. Y. Holder for pot covers, dishes, or other disk like objects. 1,842,118; Jan. 19.

Resnik, Morris. (See Resnik, Edward and M.)

Respats Inc. (See Respess, Roland B., assignor.)

Respess, Roland B., Wickford, assignor, by mesne assignments, to Respats Inc., Cranston, R. I. Manufacture of tread element for vehicle tires. 1,864,927; June 28.

Respess, Roland B., Wickford, assignor, by mesne assignments, to Respats Inc., Cranston, R. I. Traction member for automobile tires and the like. 1,864,938; June 28.

Respess, Roland B., Wickford, assignor, by mesne assignments, to Respats Inc., Cranston, R. I. Nonskid tire. 1,864,939; June 28.

Respess, William R., St. George, assignor to J. S. McMahon and J. H. Ernst, jr., Brooklyn, N. Y. Printing method and apparatus. 1,861,610; June 7.

Respess, William R., Staten Island, assignor to J. S. McMahon and J. H. Ernst, jr., Brooklyn, N. Y. Stencil printing attachment for vertical bed printing presses. 1,861,611; June 7.

Respro Inc. (See Abbott, Royal K., assignor.)

Respro, Inc. (See Nantell, Ernest, assignor.)

Ressegger, Lloyd E. (See Allen, G. N., Parker, and Ressegger.)

Ressetar, Nicholas J. (See Wilson, E. B., and Ressetar.)

Retsema, Jay, assignor to Bennett Pump Corporation, Muskegon, Mich. Pump. 1,844,103; Feb. 2.

Retsof Mining Company. (See Courthope, T. F., and McGuire, assignors.)

Rettenmeyer, Francis X., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave filter. 1,853,929; Apr. 12.

Retterer, Raymond W. (See Pearce, E. S., Retterer, and Kariho.)

Rettich, Kurt, assignor to The Dura Company, Toledo, Ohio. Bottle cap remover. Des. 87,644; Aug. 23.

Rettich, Kurt, assignor to Reynolds Spring Company, Jackson, Mich. Combination tumbler holder and bottle opener. Des. 87,575; Oct. 18.

Rettig, Adam. (See Bischoff, T. C., Chubb, and Rettig.)

Retz, Philip, New York, N. Y. Pencil pointer and cleaner. 1,841,208; Jan. 12.

Retzer, Albert, Milwaukee, Wis. Egg carton. 1,884,236; Oct. 25.

Reubel, Henry, assignor to The Kroder Reubel Company, Inc., New York, N. Y. Drapery and curtain support and operating means therefor. 1,857,768; May 10.

Reucker, Frederick C. (See Jensen, L., and Reucker.)

Reuge, Albert, St. Croix, Switzerland. Musical box. 1,876,753; Sept. 13.

Reunanun, Christian H., and H. H. Wigglesworth, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Shaping and drying form. 1,884,237; Oct. 25.

Reunzel, Louis, et al. (See Bauer, Jacob L., assignor.)

Reussenzehn, Ernest Albert, assignor to Dayton Scale Company, Dayton, Ohio. Platform for scales. 1,879,496; Sept. 27.

Reusz, Maximillian J., assignor of one-half to E. B. Graves, Durkee, Oreg. Wood preservative. 1,852,090; Apr. 5.

Reutener, Edgar W., assignor to Wm. A. Howe Company, Cleveland, Ohio. Door oscillating device. 1,887,517; Nov. 15.

Reuter, Baptist, and M. Reuter, Krailling-Planegg, Germany. Combining 4-dimethylamino-1-phenyl-2,3-dimethyl-5-pyrazolone with one of the esters of P aminobenzolcacid and the products. 1,881,317; Oct. 4.

Reuter, Francis J., New York, N. Y., assignor, by mesne assignments, to rackmat Corporation. Packing material. 1,847,262; Mar. 1.

Reuter, Irving J., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,847,726; Mar. 1.

Reuter, Mathilde. (See Reuter, Baptist and M.)

Reuter-Lorenzen, Paul, Detroit, Mich., assignor to Morgan & Wright. Tire. Des. 87,082; May 31.

Reutter, Johann W., Heinet, assignor to the Firm of Hennefer Maschinenfabrik C. Reuther & Reisert mit beschraenkter Haftung, Heinet-on-the-Sieg, Germany. Baffle device for discharge funnels. 1,845,847; Feb. 16.

Reutter, Frederick. (See Cowperthwait, A. D., and Reutter.)

Reutter, Frederick R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hub cap. 1,884,238; Oct. 25.

Reutter, Jean Léon, Paris, France. Device for automatically re-winding clocks or other mechanisms by the variations of the atmospheric temperature. 1,835,479; Dec. 8.

Revere Copper & Brass Incorporated. (See Dallas, Charles D., assignor.)

Revere Copper and Brass Incorporated. (See Thomas, C. W., and Allen, assignors.)

Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)

Revere Rubber Company. (See Cobb, Henry Z., assignor.)

Revere Rubber Company. (See Gibbons, W. A., and Hazell, assignor.)

Revere Rubber Company. (See Hubbell, Clarence W., assignor.)

Revere Rubber Company. (See McKinnin, Allen G., assignor.)

Revere Rubber Company. (See Nash, Ben, assignor.)

Revilli, Bethel, Turin, Italy. Automatic rifle. 1,854,064; Apr. 12.

Rex, Clarence R., Toledo, Ohio. Coating body. 1,845,339; Feb. 16.

Rexford, Benjamin A., Alton, Ill. Sled. 1,882,907; Oct. 18.

Rexworthy, Harold S., Sunnyvale, assignor to F. J. Behneman, San Francisco, Calif. Rod mill. 1,873,032; Aug. 23.

Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Tread structure for antiskid devices for vehicle wheels. 1,846,359; Feb. 23.

Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Process and apparatus for reenforcing cross-chains and the like. 1,865,275; June 28.

Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Connecter for chains. 1,875,262; Aug. 30.

Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Repair link for cross chains. 1,876,845; Sept. 6.

Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Chain. 1,883,568; Nov. 22.

Reyer, Emil, South Bend, Ind. Paper folding guide. 1,845,191; Feb. 16.

Reyle, Bernhard. (See Hagedorn, Ziese, Reyle, and Bauer.)

Reymond, Max, La Tour De Peliz, assignor to Nestle and Anglo-Swiss Condensed Milk Company, Cham, Switzerland. Inclosing certain articles in wrappers. 1,869,584; Aug. 2.

Reymond, Paul. (See Rosat, C., Moser, and Reymond.)

Reynolds, Albert W., jr. (See Preston, E. J., Fletcher, and Reynolds.)

Reynolds, Anita, Greenwich, Conn. Method of and apparatus for compensating for hysteresis. 1,851,596; Mar. 29.

Reynolds, Archibald, Colts Neck, N. J. Bag holder. 1,858,793; May 17.

Reynolds, Arthur W., Leonardsville, N. Y. Automobile signaling device. 1,873,033; Aug. 23.

Reynolds, Arthur W., assignor to The Babcock Manufacturing Co., Leonardsville, N. Y. Tractor cultivator. 1,871,777; Sept. 20.

Reynolds, Benjamin F., Stockton, Calif. Pneumatic tire pump control. 1,868,766; July 26.

Reynolds, Charles H., Evanston, assignor to The Reynolds-Schlegel Inc., Chicago, Ill. Photograph machine. Des. 88,174; Nov. 1.

Reynolds, Charles E., Stockton, Calif. Water level maintaining device for vases. 1,842,657; Jan. 26.

Reynolds, Charles F., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Buckle. 1,847,385; Mar. 1.

Reynolds, Damian L., Hillsborough, assignor of one-half to L. L. Yates, San Francisco, Calif. Refrigerator car. 1,850,414; Mar. 22.

Reynolds, Damian L., Hillsborough, assignor of one-half to L. L. Yates, San Francisco, Calif. Refrigerator car. 1,886,225; Nov. 1.

Reynolds, Daphne R., et al. (See Snelling, James E., assignor.)

Reynolds, Donald H. B., St. Albans, England. Pipe joint and the like. 1,867,891; July 19.

Reynolds, Edwin, Vineland, N. J. Temple member for spectacles. Des. 87,547; Aug. 9.

Reynolds, Elmer E., Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Shock reducing device. 1,871,390; Aug. 9.

Reynolds, Frank C. (See Bennett, I. T., and Reynolds.)

Reynolds, Frank C. (See Murray, T. E., jr., and Reynolds.)

Reynolds, Frank C., New York, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator. 1,865,962; July 5.

Reynolds, Frank C., New York, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation. Radiator inclosure. 1,880,281; Oct. 4.

Reynolds, Fred L. (See Gann, J. A., and Reynolds.)

Reynolds, Frederick, and L. L. Lees, Walkerville, Newcastle-upon-Tyne, assignor to The Thermal Syndicate Ltd., Wallsend-upon-Tyne, England. Alternating current mercury vapor apparatus. 1,883,398; Oct. 18.

Reynolds, Frederick D., St. Louis, Mo. Shoe plate. 1,857,975; May 10.

Reynolds, Frederick D., St. Louis, Mo. Shoe plate. 1,858,765; July 26.

Reynolds, Frederick D., St. Louis, Mo. Shoe plate. 1,872,228; Aug. 23.

Reynolds, Frederick D., assignor to Surety Manufacturing Company, St. Louis, Mo. Shoe plate. 1,872,152; Aug. 30.

Reynolds, Frederick W., Grantwood, N. J., assignor to American Telephone and Telegraph Company. Electro-optical system. 1,864,670; June 28.

Reynolds, Frederick W., Grantwood, N. J., assignor to American Telephone and Telegraph Company. Electro-optical transmission system. 1,878,711; Sept. 20.

Reynolds Gas Regulator Company. (See Gaunt F., Reynolds, and Hughes, assignors.)

Reynolds, George A., Los Angeles, Calif. Rotary engine construction. 1,839,592; Jan. 5.

Reynolds, George D., Ann Arbor, Mich., assignor to Baush Machine Tool Company. Assembly machine. 1,887,216; Nov. 8.

Reynolds, Harold F. (See Wood, J., and Reynolds.)

Reynolds, Harry F., Seattle, Wash. Mop cleaning device. 1,892,494; Dec. 27.

Reynolds, Harry H. (See Calcott, W. S., and Reynolds.)

Reynolds, Herman M., Miami, Fla. Weather strip attachment for doors. 1,882,112; June 7.

Reynolds, Hugh D., assignor of forty-nine per cent to F. P. Dorne, Cincinnati, Ohio. Windshield wiper. 1,861,815; June 28.

Reynolds, J. H. (See Parris, B. E., and Black, assignors.)

Reynolds, James L., Stanley, and J. M. McKelvey, Charlotte, N. C. Control mechanism for looms and the like. 1,884,239; Oct. 25.

Reynolds, John R., et al. (See Snelling, James E., assignor.)

Reynolds, Joseph S., Long Beach, by decree of distribution transferred one-half to O. M. Reynolds and one-half to O. M. Reynolds and Security-First National Bank, Los Angeles, Calif., executors of Fred Joseph S. Reynolds, deceased. Heavy-duty rotary scraper. 1,843,339; Feb. 2.

Reynolds, Joseph S., deceased; O. M. Reynolds, executrix, by decree of distribution transferred to O. M. Reynolds and Security-First National Bank, Los Angeles, Calif., trustees. Single lever revolving scraper. 1,852,062; Apr. 5.

Reynolds, Joy S., Detroit, Mich. Charging device for hydraulic braking systems. 1,853,147; Apr. 12.

Reynolds, Lloyd H. V. (See Ensign, W. B., and Reynolds.)

Reynolds, Marshall S., Fort Fairfield, Me. Potato digger. 1,849,189; Feb. 16.

Reynolds, Marvin C., Chicago, Ill. Apparatus for handling margarine and the like. 1,842,732; Jan. 26.

Reynolds, Marvin C., Park, and B. H. Harris, Chicago, Ill. Packing egg content. 1,842,733; Jan. 26.

Reynolds, Mary C., Seattle, Wash. Baby pants. 1,865,541; July 5.

Reynolds Metals Company. (See Drexler, Frederick H., assignor.)

Reynolds, Morley P., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Vibrating mechanism. 1,852,677; Apr. 5.

Reynolds, Morley P., assignor to The W. S. Tyler Company, Cleveland, Ohio. Apparatus for screening materials. 1,864,940; June 28.

Reynolds, Morley P., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 1,882,908; Oct. 18.

Reynolds, Myron B. (See Gaunt F., Reynolds, and Hughes.)

Reynolds, Olive M., et al. (See Reynolds, Joseph S.)

Reynolds, Olive M., executrix. (See Reynolds, Joseph S.)

Reynolds, Ralph C., assignor to Danbury Hat Company, Danbury, Conn. Fitting sweat-bands for hats and apparatus therefor. 1,862,161; June 7.

Reynolds, Raymond I. (See Rosenberger, F. B., and Reynolds.)

Reynolds, Richard S., Louisville, Ky. Condenser and condenser material. 1,857,476; May 10.

Reynolds, Robert B., assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Bank protective method and apparatus. 1,890,589; Dec. 13.

Reynolds-Schler Co., The. (See Reynolds, Charles H., assignor.)

Reynolds Spring Company. (See Costigan, Wesley S., assignor.)

Reynolds Spring Company. (See Hunt, Clifford C., assignor.)

Reynolds Spring Company. (See McNally, Edward D., assignor.)

Reynolds Spring Company. (See Munn, Charles G., assignor.)

Reynolds Spring Company. (See Reed, Clair S., assignor.)

Reynolds Spring Company. (See Sunley, George, assignor.)
Reynolds Spring Company. (See Rettich, Kurt, assignor.)
Reynolds Spring Company. (See Rossiter, John G., assignor.)
Reynolds Spring Company. (See Shoup, Clement W., assignor.)
Reynolds Spring Company. (See Wisner, Abram C., assignor.)
Reynolds Wire Co. (See Thompson, Herbert L., assignor.)
Reyrolle, A., & Company Limited. (See Allan A., and Christie, assignors.)
Reyrolle, A., & Company Limited. (See Christie, John, assignor.)
Reyrolle, A., & Company Limited. (See Leben, Henry, assignor.)
Reyrolle, A., & Company Limited. (See Leben, H., and Cowell, assignors.)
Reyrolle, A., & Company Limited. (See Linstow, F. N., and Anderson, assignors.)
Reyrolle, A., & Company Limited. (See Warren, Thomas R., assignor.)
Rezsny, Koloman, Budapest, Hungary, assignor to Hydrometer A. G., Breslau. Boiler feeding device. 1,888,016; Nov. 15.
Rezyl Corporation. (See Ellis, Carleton, assignor.)
Rhea, Thomas R., and J. D. Tear, Schenectady, N. Y., and C. F. Green, Urbana, Ill., assignors to General Electric Company. Control system for moving objects. 1,871,169; Aug. 16.
Rheem Manufacturing Company. (See Maynard, B. B., and de Sanno, assignors.)
Rheberg, Julius, London, England. Spectacles. 1,881,122; Oct. 4.
Rheinberger, Alphonse R., St. Paul, Minn. Globe hanger for lighting fixtures. 1,877,591; Sept. 13.
Rheiner, Alfred. (See Burr, H., and Rheiner.)
Rheiner, Alfred, assignor to the Firm Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of effective dyes. 1,849,320; May 31.
Rheinische Gummi- und Celluloid-Fabrik. (See Angermayr, Anton, assignor.)
Rheinische Kampfer-Fabrik Gesellschaft mit beschrankter Haftung. (See Schollkopf, K., and Serini, assignors.)
Rheinische Kampfer-Fabrik Gesellschaft mit beschrankter Haftung. (See Skraup, S., Schöllkopf, and Serini, assignors.)
Rheinische Kampfer-Fabrik Gesellschaft mit beschrankter Haftung. (See Sanduhl, Herrmann, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sommerda Aktiengesellschaft. (See Friedmann, Sebastian, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Elchenauer, Konrad, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Krum, Alfred, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Romberg, H., and Schuler, assignors.)
Rheinische Metallwaaren und Maschinenfabrik. (See Rühlemann, Herbert, assignor.)
Rheinische Metallwaaren-und Maschinenfabrik. (See Schuler, Hermann, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Stange, Louis, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Wagner, Karl, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Westphilinger, Hermann, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sommerda Aktiengesellschaft et al. (See Karsten, Peter, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Kottmann, August, assignor.)
Rheinische Metallwaaren-und Maschinenfabrik Sommerda Aktiengesellschaft. (See Luce, Hans, assignor.)
Rheinische-Westfalische Kalkwerke. (See Brosche, Alexander, assignor.)
Rheinstrom, James A., et al., executors. (See Kiefer, Karl, assignor.)
Rhenania-Kunheim Verein Chemischer Fabriken A.-G. (See Bosberg, F., and Quaas, assignor.)
Rhenania-Kunbein Verein Chemischer Fabriken Aktiengesellschaft. (See Rothe, F., and Brenek, assignors.)
Rhinehart, Alvin, Chicago, Ill. Strap support. 1,891,112; Dec. 13.
Rhinelander Paper Company. (See Nicholas, George, assignor.)
Rhinevault, Glenn G., assignor to W. B. Mershon Co., Saginaw, Mich. Machine for making parquetry blocks. 1,859,633; May 24.
Rhinow, Paul, Merrill, Wis. Chimney hood. 1,888,290; Nov. 22.
Rhoades, Dewey V., assignor to C. E. Farrow, and H. W. Farrow, Wichita, Kans. Light control switch. 1,888,145; Nov. 15.
Rhoades, Robert C., Stoughton, Mass. Boot or shoe and shank stiffener therefor. 1,852,822; Apr. 5.
Rhoads, Albert E. (See Crosby, E. L., and Rhoads.)
Rhoads, Albert E. (See Crosby, E. L., and Rhoads, assignors.)
Rhodes, Charles J., Wakefield, England. Press for drawing sheet metal. 1,846,610; Feb. 23.
Rhodes, Charles J., Wakefield, England. Machine for simultaneously flanging and double seaming the ends of metal containers. 1,853,881; Apr. 12.
Rhodes, Daniel S., Glenville, N. Y. Lighter. 1,874,351; Aug. 30.
Rhodes, Earl D., Troy, N. Y., assignor to White Machine Works, Whitinsville, Mass. Creel. 1,852,027; Apr. 5.
Rhodes Electric "Hat-Man" Inc. (See Rhodes, George V., assignor.)
Rhodes, Edmund O., and F. D. Hager, Pittsburgh, Pa., assignors to American Tar Products Company. Composition of matter and preparing the same. 1,884,240; Oct. 25.
Rhodes Flora, administratrix. (See Rhodes, Jay B.)
Rhodes, George V., assignor to Rhodes Electric "Hat-Man" Inc., Seattle, Wash. Hat renovating machine. 1,858,172; May 10.
Rhodes-Hochriem Manufacturing Co. (See Rhodes, S. A., and Hochriem, assignors.)
Rhodes, James H., & Company. (See Peterson, Levander, assignor.)
Rhodes, Jay B., deceased., Kalamazoo, Mich.; F. Rhodes, administratrix. Safety razor and blade therefor. 1,840,056; Jan. 5.
Rhodes, John E. (See Cody, J. M., and Rhodes.)
Rhodes Metallic Packing Company. (See Field, Fletcher H., assignor.)
Rhodes, Seth A., Oak Park, and G. F. Hochriem, assignors to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Coin-controlled gravity-operated ticket-printing and delivery scale. 1,875,987; Sept. 6.
Rhodes, Waymond, Daytona Beach, Fla. Roadway illuminating device. 1,842,800; Jan. 26.
Rhodes, William A., New York, N. Y., assignor to American Telephone and Telegraph Company. Impulse transmitter. 1,866,669; July 12.
Rhodesia Broken Hill Development Company, Limited. (See Stevens, R. H., Norris, and Watson, assignors.)
Rhue, George H., San Diego, Calif. Eyeglass lens. 1,862,909; Oct. 11.
Rial, Wirt D. (See Black, J. C., Rial, and McConnell.)
Rial, Wirt D., Watson, assignor, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Color coat for cemented surfaces. 1,864,942; June 28.
Rial, Troy A., Silvis, Ill. Washing machine. 1,850,138; Mar. 22.
Ribar, Louis, Plymouth, Mich. Windshield attachment. 1,890,864; Dec. 13.
Rib, Carl H., assignor to Parker Wire Goods Company, Worcester, Mass. Road chair. 1,867,096; July 12.
Ribbonew Company. (See Switzer, Floyd R., assignor.)
Ribler, Robert M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Spring shackle. 1,872,814; Aug. 23.
Riblet, Royal N., Spokane, Wash. System for storing automobiles. 1,851,262; Mar. 29.
Riblet, Royal N., Spokane, Wash. Transfer truck. 1,886,588; Nov. 8.
Ribsam, Nicholas F. (See Wolin, M., and Ribsam.)
Ricard, Eloi. (See Langwell, H., and Ricard.)
Ricard, Eloi, Melle, France. Continuous process for the dehydration of volatile fatty acids. 1,868,380; May 1, 1928.
Ricard, Eloi, assignor to Societe Ricard Allenet & Cie., Melle (Deux-Sevres), France. Manufacture of butyl chlorides. 1,852,063; Apr. 5.
Ricard, Eloi, assignor to Société Anonyme des Distilleries des Deux-Sevres, Melle, France. Continuous process for the manufacture of aliphatic ethers. 1,868,076; July 19.
Ricard, Eloi, and H. M. Guinot, Melle, France, assignors, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Continuous process for the manufacture of acetic acid in the anhydrous state from its aqueous solutions. 1,859,894; Jan. 5.
Ricard, Eloi, and H. M. Guinot, Melle, France, assignors to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of anhydrous acetic acid. 1,839,932; Jan. 5.
Ricard, Eloi, and H. M. Guinot, Melle, France, assignors to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of anhydrous acetic acid. 1,860,512; May 31.
Ricard, Eloi, and H. M. Guinot, Melle, France, assignors, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Extraction in the anhydrous state of fatty acids contained in dilute aqueous solutions. 1,860,553; May 31.
Ricard, Eloi, P. Savarit, and H. M. Guinot, Melle, France, assignors to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of absolute alcohol. 1,860,554; May 31.
Ricard, Eloi, and H. M. Guinot, Melle, France, assignors to U. S. Industrial Alcohol Co., New York, N. Y. Continuous process for separating organic liquids. 1,862,706; June 14.
Ricard, Eloi, and H. M. Guinot, Melle, France, assignors to U. S. Industrial Alcohol Co., New York, N. Y. Process of extracting acetic acid from pyroligneous substances. 1,884,241; Oct. 25.
Ricardo, Harry R., London, England. Internal combustion engine of the compression ignition type. 1,867,475; July 12.

Ricardo, Harry R., London, England. Facilitating starting of internal combustion engines of the liquid fuel injection compression ignition type. 1,878,325; Sept. 20.
Ricardo, Harry R., London, England. Air compressor of the multicylinder reciprocating type. 1,878,326; Sept. 20.
Ricca, Fedele, Red Bank, N. J. Container and preparing same. 1,864,693; June 28.
Ricchiardi, Pier C., assignor to S. A. Brevetti Italiani Esteri S. A. B. I. E., Turin, Italy. Radio signaling system. 1,889,292; Nov. 29.
Ricci, Thomas A., Richmond, Va. Amusement device. 1,858,060; May 10.
Riccia, Angelo D., Brussels, Belgium. Pressure splitting device. 1,862,427; June 7.
Riccius, Harry E., Miles City, Mont. Locomotive steam pipe casing. 1,886,457; Nov. 8.
Rice, Allen E., Hermosa Beach, Calif., assignor to The National Supply Company, Toledo, Ohio. Drawworks brake rim construction. 1,874,625; Aug. 30.
Rice, Allen E., Hermosa Beach, and L. E. Zerbe, Moneta, Calif., assignors to The National Supply Company, Toledo, Ohio. Distribution of water for cooling brake rims. 1,874,624; Aug. 30.
Rice, Barton & Fales, Incorporated. (See Kendall, G. H., assignor.)
Rice, Barton & Fales, Incorporated. (See Kendall, G. H., Clem, Peterson, and Vedder, assignors.)
Rice, Barton & Fales, Incorporated. (See Stafford, S. B., and Smith, assignors.)
Rice, Branche C., Cleveland, Ohio. Resilient glide for furniture. 1,859,598; Jan. 5.
Rice, Charles M. (See Hughes, William C., assignor.)
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Bucket wheel and like rotating member. 1,885,782; May 3.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Liquid film seal. 1,885,546; Nov. 1.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Sound wave apparatus. 1,889,614; Nov. 29.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,891,948; Dec. 27.
Rice, Claude T. (See Atti, Ralph, assignor.)
Rice, Cyrus W., Pittsburgh, Pa. Proportioning blowdown water with oiler feed water. 1,868,431; July 19.
Rice, Cyrus W., Pittsburgh, Pa. Continuous automatic control of feed and blowdown water. 1,868,432; July 19.
Rice, Edgar U., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Serving device. 1,889,220; Nov. 29.
Rice, Edward E., North Quincy, Mass. Machine for hooking rugs and the like. 1,862,768; June 14.
Rice, Edward M., Santa Cruz, assignor to Santa Cruz Portland Cement Company, San Francisco, Calif. Making Portland cement. 1,864,935; June 28.
Rice, Francis Owen, Baltimore, Md., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of ketene. 1,879,497; Sept. 27.
Rice, Frank E., Detroit, Mich. Purifying apparatus. 1,867,892; July 19.
Rice, George D., Chicago, Ill. Therapeutic lamp. 1,859,601; May 24.
Rice, George J., Dorchester, Mass. Wheel fender. 1,870,470; Sept. 3.
Rice, Harold D. Bristol, R. I., assignor to The Goodyear India Rubber Glove Manufacturing Company, Naugatuck, Conn. Tool-rest and mailing same. 1,870,870; Aug. 9.
Rice, Harold DeB. (See Binmore, T. V., and Rice.)
Rice, Harold G., assignor to Indestro Mfg. Co., Chicago, Ill. Holder for socket wrench sets. 1,869,945; Aug. 2.
Rice, Harold N., Attleboro, Mass., and H. V. Walsh, City Island, N. Y. Statuette or analogous article. Des. 87,773; Sept. 13.
Rice, Henry W., East Boothbay, Me. Rudder and propeller gear drive for motor boats. 1,871,561; Aug. 16.
Rice, Herbert S., Saugus, Mass. Swing. 1,886,904; Nov. 8.
Rice, Hudson D., jr., and J. M. Babb, Dallas, Tex. Duplex disk valve. 1,867,952; July 19.
Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Producing a foamy body adapted to be used in making cellular concrete. 1,856,294; May 3.
Rice, John, and Trew, James W., assignor.)
Rice, John S., assignor to Rice, Trew & Rice Co., Inc., Biglerville, Pa. Basket liner. 1,885,480; Nov. 1.
Rice, John S., Biglerville, Pa. Apparatus for packing fruit and the like. 1,860,873; May 31.
Rice, John W. (See McLintock, A. W., and Rice.)
Rice, Lloyd S., Oakfield, N. Y. Fountain comb. 1,888,570; Nov. 22.
Rice, M., Co. (See Brunswick, Raymond, assignor.)
Rice, Merrit H., Pasadena, Calif. Weighing scale. 1,884,242; Oct. 25.
Rice, Millard W., et al. (See Elliott, Ralph M., assignor.)
Rice, Milo E., Kansas City, Mo. Artificial ankle joint. 1,872,815; Aug. 23.
Rice, Newton J. (See Paxton, Clyde E., assignor.)
Rice, Oliver W., Redlands, assignor to Brogdex Company, Los Angeles, Calif. Artificially coloring fruit. 1,846,143; Feb. 23.
Rice Products Inc. (See West, Frank R., assignor.)
Rice, Thomas G., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,842,119; Jan. 19.
Rice, Trew & Rice Co., Inc. (See Rice, John S., assignor.)
Rice, Willis D., Hingham, Mass. Convertible furniture. 1,844,904; Feb. 9.
Rich, Calvin E., and T. F. Rich, El Campo, Tex. Tractor implement attachment. 1,861,134; May 31.
Rich, Carl H., assignor to Riley Stoker Corporation, Worcester, Mass. Tuyère block. 1,843,000; Jan. 26.
Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Screw machine. 1,849,497; Feb. 23.
Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Automatic screw machine. 1,877,693; Sept. 13.
Rich, Cheri, New York, N. Y. Theatrical make-up box. 1,847,572; Mar. 1.
Rich, Chester A., Cincinnati, Ohio. Ironing board or stand. 1,871,202; Aug. 9.
Rich, Claude R., assignor to Teesdale Manufacturing Co., Grand Rapids, Mich. Gauge. 1,885,629; Nov. 1.
Rich, Claude R., assignor to Teesdale Manufacturing Company, Grand Rapids, Mich. Switch. 1,891,015; Dec. 13.
Rich, Edward L., jr., Catonsville, Md. Combined match and cigarette package. 1,861,361; May 31.
Rich, Herbert C., Bedford, and B. V. Storr, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Film pack. 1,886,589; Nov. 8.
Rich, Herbert O., Revere, Mass. Welding apparatus. 1,859,500; Jan. 5.
Rich, Louis, New York, N. Y. Sewing machine. 1,879,709; Sept. 27.
Rich, Malcolm N., East Orange, N. J., assignor to Westinghouse Lamp Company. Separating zirconium, titanium, and hafnium. 1,856,264; May 3.
Rich, Malcolm N., and E. A. Lederer, East Orange, N. J., assignors to Westinghouse Lamp Company. Electron emitting device and method of preparation. 1,842,203; Jan. 19.
Rich, Neville J., San Mateo, assignor to Precision Electrotype Company, San Francisco, Calif. Marking panel. 1,845,558; Feb. 16.
Rich, Ralph E., Chicago, Ill., assignor to Rich Trust. Tap. 1,882,910; Oct. 18.
Rich Trust. (See Rich, Ralph E., assignor.)
Rich, Tyra F. (See Rich, Calvin E. and T. F.)
Rich, Wallace S., assignor to The Stewart Iron Works Company, Covington, Ky. Fence rail connection. 1,847,278; Jan. 5.
Rich, William E., Bradley, Ark., assignor of one-half to R. Britton, Cotton Valley, La. Pipe clamp. 1,871,562; Aug. 16.
Rich, Willis D., Hingham, assignor to Deskor Chair Sales Corporation, Boston, Mass. Convertible furniture. 1,852,488; Apr. 26.
Rich, Willis D., Hingham, Mass., assignor to Deskor Chair Sales Corporation, Boston, Mass. Convertible furniture. 1,855,489; Apr. 26.
Richard, Clarence J. (See Richard, Clement C., C. A., and O. K.)
Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Paper feeding and cutting mechanism. 1,860,691; May 31.
Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton feeding machine. 1,883,230; Oct. 18.
Richard, Charles F., assignor to Johnson Automatic Sealer Co. Ltd., Battle Creek, Mich. Carton feeding machine. 1,883,231; Oct. 18.
Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton feeding machine. 1,883,232; Oct. 18.
Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Filling and weighing machine. 1,883,233; Oct. 18.
Richard, Clement C., Bloomfield Hills, Mich., assignor to Allied Products Corporation, Detroit, Mich. Punch and die retainer. Re18,395; Mar. 22.
Richard, Clement C., assignor to Allied Products Corporation, Detroit, Mich. Welding machine. 1,854,957; Apr. 19.
Richard, Clement C., assignor of one-half to O. K. Richard, Detroit, Mich. Shock absorber. 1,870,871; Aug. 9.
Richard, Clement C., Bloomfield Hills, C. A. Richard, deceased, and O. K. Richard, deceased, Detroit, Mich., by Allied Products Corporation, Detroit, Mich., assignee. Punch and die retainer. Re18,401; Mar. 29.
Richard, John, Chicago, Ill. Battery terminal puller. 1,851,925; Mar. 29.
Richard, Louis M., Shelton, Conn. Article support. 1,859,221; May 17.
Richard, Otis K. (See Richard, Clemence C., assignor.)
Richard, Otis K. (See Richard, Clement C., C. A., and O. K.)
Richard, Pierre A., Paris, France, assignor, by mesne assignments, to Keller-Dorian Colorfilm Corporation, New York, N. Y. Color photography. 1,845,519; Feb. 16.
Richard, William E., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Headlight. 1,852,737; Apr. 5.

Richard, William E., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Headlight. 1,852,791; Apr. 5.
Richards, Alfred E. (See Hope, E., and Richards.)
Richards, Alonzo, Pompton Lakes, N. J. Connecting an implement to a motor. 1,868,587; July 25.
Richards, Arthur, London, assignor to Ransomes & Rapier Limited, Ipswich, Suffolk, England. Apparatus for launching aircraft. 1,879,765; Sept. 27.
Richards, Benjamin, Kenilworth, Ill., assignor to Everett E. Kent, Newton, Mass. Fire extinguishing and fire preventive method. 1,852,911; Oct. 18.
Richards, Carroll H., Newton, Mass. Change speed mechanism. 1,883,399; Oct. 18.
Richards, Charles L. (See Forson, Alfred E., sr., assignor.)
Richards, Daniel W., Roanoke, Va. Railway signaling apparatus. 1,885,047; Nov. 1.
Richards, Daniel W., Glenvar, Va. Railway signaling apparatus. 1,885,948; Nov. 1.
Richards, David J. (See Rood, H. E., and Richards.)
Richards, Edward C., Fayette, Iowa. Hollow grinder for hamburger knives and the like. 1,886,305; Nov. 1.
Richards, Eric H., Harpenden, and H. B. Hutchinson, Epsom, England, assignors to Adco Limited, Harpenden, England. Manufacture of nitrogenous fertilizer and the utilization of nitrogen-bearing solutions. Re18,587; Aug. 30.
Richards, Franco, Pipecreek, Tex. Truck • hoist. 1,867,760; July 19.
Richards, Frank E., Jackson, Miss. Safety device. 1,845,848; Feb. 16.
Richards, Frank K., Grand Junction, Colo. Game. 1,859,220; May 17.
Richards, Hedley J., and W. E. Hinton, assignors to Lasalco, Inc., St. Louis, Mo. Electroplating machine. 1,884,763; Apr. 19.
Richards, Henry L., Boston, Mass. Pencil. 1,855,650; Apr. 26.
Richards, James H. (See Duffy, J. U., and Richards.)
Richards, John A., Kalamazoo, Mich. Combination saw planer and planer for printers' use. 1,870,466; Aug. 9.
Richards, Laurence H., assignor to The Philadelphia & Reading Coal and Iron Company, Pottsville, Pa. Fuel briquette treating apparatus. 1,840,294; Jan. 5.
Richards, Ralph N., assignor to Ottawa River Paper Company, Toledo, Ohio. Device for catching and stacking sheet material. 1,873,480; Aug. 23.
Richards, Ralph N., assignor to The Ottawa River Paper Company, Toledo, Ohio. Sheet trimming and scoring mechanism. 1,858,456; Apr. 26.
Richards, Thomas G. (See Smith, G. P. F., and Richards.)
Richards, Thomas K., Lexington, and H. M. Weber, Newton, Mass., Cassette for X-ray work. 1,879,498; Sept. 27.
Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Lubricating device. 1,840,848; Jan. 12.
Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Journal box. 1,841,916; Jan. 19.
Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Hand brake. 1,842,641; Jan. 26.
Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Car truck. 1,843,069; Jan. 26.
Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Hand brake. 1,848,435; Mar. 8.
Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Side frame with equalizing journal boxes. 1,865,589; July 5.
Richards, William F., et al. (See Gray, Joseph M., assignor.)
Richards, William F., Brownstown, Ind. Auxiliary time lock. 1,882,339; Oct. 11.
Richards, William F., assignor to S. M. A. Corporation, Mason, Mich. Milk evaporating means. 1,870,423; Aug. 9.
Richards, William F., Mason, Mich., assignor to S. M. A. Corporation, Cleveland, Ohio. Spray drier. 1,871,737; Aug. 16.
Richards, William F., Mason, Mich., assignor to S. M. A. Corporation, Cleveland, Ohio. Baffle. 1,871,738; Aug. 16.
Richards, William J., assignor to The Bristol Company, Waterbury, Conn. Indexing attachment for automatic machines. 1,867,592; July 19.
Richards, Zoe M., London, England. Device or appliance for women's wear or use. 1,884,243; Oct. 25.
Richardson, A. J., et al. (See Head, Herman E., assignor.)
Richardson, Allan S., Butte, Mont. Method and apparatus for cooling mine air. 1,878,942; Sept. 20.
Richardson, Arthur A., Meriden, Conn. Vernier feed setting mechanism. 1,889,453; Nov. 29.
Richardson, Arthur B. F. G., Belvedere, Kent, England. Apparatus for twisting wires together. 1,853,227; Apr. 12.
Richardson, Arthur B. F. G., and A. Spencer, Belvedere, England. Controlling the tension of coils or rolls of flexible material. 1,849,383; Mar. 15.
Richardson, Arthur Bruce Fraser Gillespie, Belvedere, England. Mounting for carriers for coils of flexible material in taping and other material. 1,868,915; July 26.
Richardson, Arthur T., Geneva, Ill. Core. 1,862,908; June 14.
Richardson, Bayard E., assignor of three-fourth to J. R. McCaragar, Grand Rapids, Mich. Desk construction. 1,866,174; July 5.
Richardson, Bayard E., Grand Rapids, Mich. Slab construction. 1,875,888; Sept. 6.
Richardson, Bayard E., Grand Rapids, Mich. Wood desk construction. 1,886,181; Nov. 1.
Richardson, Charles F., Brookline, Mass. Suspending a hammock. 1,857,607; May 10.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Tigering machine. 1,880,486; Oct. 4.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Edge shearing device. 1,880,487; Oct. 4.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Loop cutter. 1,880,488; Oct. 4.
Richardson Company, The. (See Cain, John R., assignor.)
Richardson Company, The. (See Dillehay, Edward R., assignor.)
Richardson Company, The. (See Fisher, Harry C., assignor.)
Richardson Company, The. (See Fisher, H. C., Overton, and Keller, assignors.)
Richardson Company, The. (See Keller, Charles L., assignor.)
Richardson Company, The. (See Morris, Warren A., assignor.)
Richardson Company, The. (See Overton, Alan M., assignor.)
Richardson Company, The. (See Stevenson, E. P., and Buron, assignors.)
Richardson Company, The. (See Yates, Sampson W., assignor.)
Richardson Company, The. (See Yungblut, Gibson, assignor.)
Richardson Corporation. (See Ames, Lewis G., assignor.)
Richardson Corporation. (See Benham, L. L., Ferree, and Balwill, assignors.)
Richardson, Delbert E., Round Lake, Ill. Outlet box mounting strip. 1,853,228; Apr. 12.
Richardson, Dell R., and H. M. Wollum, Owen, Wis. Container. 1,875,497; Sept. 6.
Richardson, Donald E., Chicago, Ill. Current measuring device for high frequency circuits. 1,859,469; May 24.
Richardson, Dwight D., West End, N. C. Resilient support. 1,886,740; Nov. 8.
Richardson, Dwight D., West End, N. C. Flower holder. 1,887,139; Nov. 8.
Richardson, Edward A., Bethlehem, Pa. Preparing fuels for use. 1,876,168; Sept. 6.
Richardson, Edwin F. (See A'Hearn, F. M., and Richardson.)
Richardson, Edwin P., Mineola, N. Y. Supercharger for internal combustion engines. 1,840,235; Jan. 5.
Richardson, Elmer C., and P. Mole, assignors to Mole-Richardson, Inc., Los Angeles, Calif. Mirror support for projectors. 1,849,329; Dec. 27.
Richardson, Emmitt D., Cawker City, Kans. Pick-up mechanism for combines and the like. 1,863,637; June 21.
Richardson, Frank C., Los Angeles, Calif. Flexible hose and connection. 1,857,821; May 10.
Richardson, Frank H., South Lyme, Conn., and J. C. Kroesen, Belleville, N. J. Projection screen. 1,890,828; Dec. 13.
Richardson, Harry C., North Salem, N. Y., assignor to Warren Telechron Company. Clock case. Des. 86,474; Mar. 8.
Richardson, Ingram, Corporation. (See Jalkut, Lee D., assignor.)
Richardson, Henry F. (See Shonnard, H. W., and Richardson.)
Richardson, Holden C., Cleveland, Ohio. Method of and apparatus for mooring an airplane while in flight to another aircraft. 1,869,506; Aug. 2.
Richardson, James C., assignor to I. Fischman & Sons, Philadelphia, Pa. Polishing apparatus. 1,840,234; Jan. 5.
Richardson, James M., Montreal, Quebec, Canada. Collapsible top for vessels. 1,851,523; Mar. 29.
Richardson, James R., assignor to Abilene Cotton Oil Company, Houston, Tex. Apparatus for the treatment of soil products. 1,882,912; Oct. 18.
Richardson, John R. (See Brack, John D., assignor.)
Richardson, Leo L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Fluid operated tool. 1,855,364; Apr. 26.
Richardson, Leo L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Hole cleaner. 1,864,148; June 21.
Richardson, Leo L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel retainer. 1,866,863; July 12.
Richardson, Lycurgus W. (See Weir, I. R., and Richardson.)
Richardson, Myron H., assignor to Advance Machine Company, Chicago, Ill. Coin controlled mechanism. 1,862,372; June 7.

Richardson, Myron H., assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,889,109; Nov. 29.

Richardson, Myron H., Chicago, and A. E. Gebert, Wilmette, Ill., assignors to Advance Machine Company, Chicago, Ill. Coin controlled switch and timing mechanism. 1,879,499; Sept. 27.

Richardson, Ralph S., Teaneck, N. J. Purification of nitrogen-hydrogen mixtures for ammonia synthesis. 1,889,934; Dec. 6.

Richardson, Rodney G., Chicago, Ill. Vibrating device. 1,872,291; Aug. 16.

Richardson, Roger W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pulp manufacture. 1,855,729; Apr. 26.

Richardson, Roger W., and C. S. Sherman, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cellulose pulp. 1,851,622; Mar. 29.

Richardson Taylor-Globe Corporation, The. (See Marx, Frank A., assignor.)

Richardson, Thos. D., Company. (See Kondolf, Mathias R., assignor.)

Richardson, Thomas H. (See Edgin, James E., assignor.)

Richardson, Wilbert L., Louisville, Ky. Swing hanger. 1,848,548; Mar. 8.

Richardson, William, Atlanta, Ga., assignor to G. Steingruber, Huntsville, Ala. Electric fluid heater. 1,850,156; Mar. 22.

Richardson, William D. (See Newton, R. C., and Richardson.)

Richardz, Folke R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tube socket. 1,855,729; Apr. 26.

Richart, Charles L., Whittier, Calif. Screw holding device. 1,858,559; May 17.

Richart, Rolland T., Santa Barbara, Calif. Aircraft wing. 1,858,341; May 17.

Richburg, George W., Ellenville, N. Y. Oil-can attachment. 1,871,824; Aug. 16.

Richcar Corporation. (See Goudiss, Charles H., jr., assignor.)

Riche, Arthur L. (See Gilfillan, R. H., and Riche.)

Richeda, Oreste P., Lompoc, Calif. Music leaf turner. 1,854,065; Apr. 12.

Richer, Emma A., et al., trustees. (See Richer, Joseph R., assignor.)

Richer, Jack C. (See McGuire, Augustus J., assignor.)

Richer, Joseph R., et al., trustees. (See Richer, Joseph R., assignor.)

Richer, Joseph R., Oak Park, Ill. Hob grinding machine. 1,874,626; Aug. 30.

Richer, Joseph R., Oak Park, Ill., assignor to Jens P. Nielsen, Emma A. Richer, and Joseph R. Richer, Oak Park, Ill., trustees of The Hy-Press Pump Company, Chicago, Ill. Pump. 1,842,569; Jan. 26.

Richer, Joseph R., Oak Park, Ill., assignor to J. P. Nielsen. Package holder. 1,887,945; Nov. 15.

Riches, Arthur W., Los Angeles, Calif. Glare shield. 1,840,332; Jan. 12.

Richey, Lebanon E., et al. (See Hard, Merrill W., assignor.)

Richey, Thomas J., deceased, Louisville, Ky.; Nell Shader, administratrix. Screw-driver. 1,882,913; Oct. 18.

Richfield Oil Company. (See Pulliam, Ira L., assignor.)

Richfield Oil Company of California. (See Black, J. C., Rial, and McConnell, assignors.)

Richfield Oil Company of California. (See Chappell, M. L., and Dowlen, assignors.)

Richfield Oil Company of California. (See Dowlen, Tom H., assignor.)

Richfield Oil Company of California. (See Holzapfel, George L., assignor.)

Richfield Oil Company of California. (See Lachman, Arthur, assignor.)

Richfield Oil Company of California. (See Rial, Wirt D., assignor.)

Richfield Oil Corporation. (See Messerschmidt, William, assignor.)

Richford, Maurice A., Oakland, Calif. Burner tip. 1,875,394; Sept. 6.

Richman, Charles T., assignor, by direct and mesne assignments, of one-third to W. C. Kuhn and one-third to P. J. Smith, Philadelphia, Pa. Motor fuel. 1,891,181; Dec. 13.

Richmond, Albert C., La Grange, Ill., assignor to International Harvester Company. Gauge. 1,892,005; Dec. 27.

Richmond, Everett E., West Boylston, Mass., and A. S. Baldwin, Stratford, Conn. Draw cut scrub hook. 1,875,292; Apr. 26.

Richmond Fireproof Door Company. (See Ball, H. C., Jackson, Keller, and Winder, assignors.)

Richmond Fireproof Door Company. (See Winder, Joseph Z., assignor.)

Richmond, Henry, Frenchwood, Preston, England. Weaver's shuttles for pirns and rewound wefts. 1,890,195; Dec. 6.

Richmond Lace Works, Inc. (See Hazeldine, Joseph, assignor.)

Richmond, Louis E., assignor to The Autocall Company, Shelby, Ohio. Fluid flow indicator. 1,888,737; Nov. 22.

Richmond, Louis E., assignor to The Autocall Company, Shelby, Ohio. Electromagnetic bell and vibratory mechanism. 1,839,242; Jan. 5.

Richmond, Samuel, Milford, assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Sign globe. 1,842,630; Feb. 2.

Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)

Richmond, Walter, Glen Ellyn, Ill. Method and apparatus for translating sound. 1,845,986; Feb. 16.

Richmond, Walter, Cleveland, Ohio. Apparatus for recordation and reproduction of sound. 1,845,987; Feb. 16.

Richmond, Walter, Cleveland, Ohio. Apparatus for recordation and reproduction of sound. 1,845,988; Feb. 16.

Richmond, Walter, Homestead, Fla. Reclaiming lands and maintaining lands in a condition suitable for cultivation or habitation. 1,878,295; Sept. 20.

Richteig, Max, Chicago, Ill. Grand piano action. 1,849,954; Mar. 15.

Richter, Alfred, Chicago, Ill. Curtain wrapping machine. 1,859,051; May 17.

Richter, Alfred, Chicago, Ill. Detachable plait hook. 1,863,638; June 21.

Richter, Alwin, Leipzig, Germany. Air pump valve. 1,869,170; July 26.

Richter, Arthur Berbisdorf I. E., Germany. Flat hosiery frame. 1,846,276; Feb. 23.

Richter, Arthur, Berbisdorf, Germany. Flat hosiery frame. 1,847,498; Mar. 1.

Richter, Carl E., assignor to Stebbins Engineering and Manufacturing Company, Watertown, N. Y. Digester. 1,860,477; May 31.

Richter, Charles J., Berwyn, Ill., assignor to Goss Printing Press Company. Web roll brake mechanism. 1,875,153; Aug. 30.

Richter, Emil, assignor to Textile Machine Works, Wyomissing, Pa. Rebound stop for straight knitting machines. 1,845,004; Feb. 16.

Richter, Emil, assignor to Textile Machine Works, Wyomissing, Pa. Movement control mechanism for straight knitting machines. 1,873,034; Aug. 25.

Richter, Emil, assignor to Textile Machine Works, Wyomissing, Pa. Mechanism for knitting full fashioned hosiery. 1,873,035; Aug. 23.

Richter, Emil, Wyomissing, and M. Richter, West Reading, assignors to Textile Machine Works, Wyomissing, Pa. Cam shaft shift control means. 1,873,481; Aug. 23.

Richter, George. (See Atwill, G. C., and Browder, assignors.)

Richter, George A., assignor to Brown Company, Berlin, N. H. Rayon manufacture. 1,839,773; Jan. 5.

Richter, George A., assignor to Brown Company, Berlin, N. H. Making of soda cellulose for conversion into viscose. 1,839,774; Jan. 5.

Richter, George A., assignor to Brown Company, Berlin, N. H. Multiple-step process of fiber liberation. 1,841,551; Jan. 19.

Richter, George A., assignor to Brown Company, Berlin, N. H. Paper and making cellulose xanthate from it. 1,842,688; Jan. 26.

Richter, George A., assignor to Brown Company, Berlin, N. H. Treating cellulose fiber and product of same. 1,842,689; Jan. 26.

Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical pulping process. 1,848,661; Mar. 8.

Richter, George A., assignor to Brown Company, Berlin, N. H. Production of pulp of high alpha cellulose content. 1,848,662; Mar. 8.

Richter, George A., assignor to Brown Company, Berlin, N. H. Production of chemical wood pulp. 1,849,334; Mar. 15.

Richter, George A., assignor to Brown Company, Berlin, N. H. Papermaking composition. 1,850,139; Mar. 22.

Richter, George A., assignor to Brown Company, Berlin, N. H. Regenerating spent alkaline liquor to fresh acid cooking liquor. 1,859,888; May 24.

Richter, George A., assignor to Brown Company, Berlin, N. H. Effecting refining reactions on cellulosic pulps. 1,859,891; May 24.

Richter, George A., assignor to Brown Company, Berlin, N. H. Producing low-viscosity cellulose fiber. 1,860,431; May 31.

Richter, George A., assignor to Brown Company, Berlin, N. H. Lowering the solution viscosity of cellulose fiber. 1,860,432; May 31.

Richter, George A., assignor to Brown Company, Berlin, N. H. Cyclic process of fiber liberation. 1,864,619; June 28.

Richter, George A., assignor to Brown Company, Berlin, N. H. Liberating pulp from raw cellulosic materials. 1,864,620; June 28.

Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical fiber liberation. 1,867,593; July 19.

Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical modification of cellulose fiber. 1,870,650; Aug. 9.

Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp refining and bleaching process. 1,880,040; Sept. 27.

Richter, George A., assignor to Brown Company, Berlin, N. H. Acid process of fiber liberation. 1,880,042; Sept. 27.

Richter, George A., assignor to Brown Company, Berlin, N. H. Production of high grade chemical pulps. 1,880,043; Sept. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Alkaline fiber liberation. 1,880,044; Sept. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Paper manufacture. 1,880,045; Sept. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Processing of cellulose fiber. 1,880,046; Sept. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp refining process. 1,880,047; Sept. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Mistaken pulping raw cellulosic material. 1,880,048; Sept. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Producting cellulose pulp for high grade paper manufacture. 1,880,049; Sept. 27.
Richter, George A., and W. B. Van Arsdel, assignors to Brown Company, Berlin, N. H. Artificial leather fabrication. 1,845,372; Feb. 2.
Richter, George A., M. O. Schur, and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Material for conversion to cellulose derivatives and producing same. 1,851,330; Mar. 29.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Manufacture of fiber articles containing regenerated cellulose. 1,856,114; May 3.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Chemically treating and bleaching cellulose pulp. 1,858,522; May 17.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Chemically treating and bleaching cellulose pulp. 1,858,523; May 17.
Richter, George A., M. O. Schur, and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Conditioning a tissue of cellulose fiber for conversion into cellulose derivatives and product of same. 1,859,889; May 24.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Bleaching process and apparatus for practising same. 1,859,890; May 24.
Richter, George A., and P. C. Scherer, jr., assignors to Brown Company, Berlin, N. H. Stabilization of cellulose xanthate. 1,880,041; Sept. 27.
Richter, George A., and H. A. Chase, assignors to Brown Company, Berlin, N. H. Manufacture of treated tissue sheet material of high absorptivity. 1,888,771; Nov. 22.
Richter, George A., and H. A. Chase, assignors to Brown Company, Berlin, N. H. Manufacture of bituminized fibrous webs. 1,888,772; Nov. 22.
Richter, George A., assignor to Brown Company, Berlin, N. H. Artificial leather and manufacturing same. 1,891,027; Dec. 13.
Richter, George A., assignor to Brown Company, Berlin, N. H. Composition for and method of paper making. 1,891,730; Dec. 20.
Richter, Hans, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Pump. 1,869,824; Aug. 2.
Richter, Hans E. (See Geffcken, H. H., and Richter.)
Richter, Henry G. (See Sonneborn, S. S., and Richter.)
Richter, Johann. (See Knaber, A., and Richter.)
Richter, Johannes. (See Jobst, H., and Wehnert.)
Richter, Johannes, assignor to the Firm Ernst Paul Lehmann Patentwerk, Brandenburg-on-the-Havel, Germany. Locking device in children's wheeled toys. 1,858,940; May 17.
Richter, Max. (See Gastrich, G., and Richter.)
Richter, Max. (See Richter, Emil and M.)
Richter, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Automatic rod operating mechanism. 1,884,244; Oct. 25.
Richter, Robert, assignor to the Firm Carl Zeiss, Jena, Germany. Projection objective. 1,843,519; Feb. 2.
Richter, Robert, assignor to the Firm Carl Zeiss, Jena, Germany. Photographic three-lens objective. 1,892,162; Dec. 27.
Richter, Rudolf. (See Cornely, B., and Richter.)
Richter, Rudolf. (See Peyser, L., and Richter.)
Richter, Rudolf, Karlsruhe-Durlach, Germany, assignor to Radio Patents Corporation, New York, N. Y. System for starting electric motors. 1,875,263; Aug. 30.
Richter, Walter E. (See Richter, Walther and W. E.)
Richter, Walter E., Shorewood, Wis. Bottle cap. 1,842,570; Jan. 26.
Richter, Walter E., assignor to A. O. Smith, Corporation, Milwaukee, Wis. Resistance welding automotive vehicle frames. 1,857,511; May 10.
Richter, Walther, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 1,872,008; Aug. 16.
Richter, Walther, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding head. 1,877,969; Sept. 20.
Richter, Walther, Milwaukee, and W. E. Richter, Shorewood, assignors to A. O. Smith Corporation, Milwaukee, Wis. Expanding mandrel. 1,846,438; Feb. 23.
Richter, William F., assignor to Chemical Holding Corporation, Apollo, Pa. Manufacture of artificial silk. 1,839,411; Jan. 5.
Richter, William F., assignor to Chemical Holding Corporation, Apollo, Pa. Treating cellulose material. 1,860,053; May 24.
Richter, William F., assignor to Chemical Holding Corporation, Apollo, Pa. Fabrication of viscose. 1,876,754; Sept. 13.
Richter, William F., assignor to Chemical Holding Corporation, Apollo, Pa. Preparing viscose. 1,876,755; Sept. 13.
Richter, Wolfgang D., Philadelphia, assignor to Wildman Mfg. Company, Norristown, Pa. Plating mechanism for full fashioned knitting machines. 1,840,521; Jan. 12.
Richter, Wolfgang D., Philadelphia, assignor to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 1,865,707; July 5.
Richters, Leopold. (See Caeija, O., Richtera, and Thirring.)
Richterkessing, Frank H. (See Stolp, S. S., and Richterkessing.)
Richterkessing, Frank H., Louisville, Ky. Electric switch operating device. 1,882,914; Oct. 18.
Richtmyer, Artemus D., New York, N. Y. Textile fabric. Des. 87,409; July 19.
Richtmyer, Floyd K., Ithaca, N. Y. Electron discharge device. 1,857,608; May 10.
Rick, Karl L., Chicago, Ill. Bracket. 1,839,594; Jan. 5.
Rickabaugh, Reuben B., Kelseyville, Calif. Branch anchor. 1,852,378; Apr. 5.
Rickard, Chet E., Anaconda, Mont. Air foil. 1,873,664; Aug. 23.
Rickards, William T., Chicago, Ill. Antiaircraft sight. 1,887,363; Nov. 8.
Rickenbacker, Adolph, Los Angeles, Calif. Container-handling device. 1,883,291; Nov. 1.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Gas operated swab. 1,844,074; Feb. 9.
Ricker, Norman H., assignor to J. B. Scranton, trustee, Houston, Tex. Observing and measuring electromagnetic fields. 1,859,005; May 17.
Ricker, Norman H., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,859,892; May 24.
Rickett, James B., Richmond, Calif. Operation timing indicator for triple valves. 1,881,389; Oct. 4.
Ricketts, John L., and C. F. Dengler, Philadelphia, Pa. Oil burner. 1,861,284; May 31.
Rickey, Frank H., Houston, Tex. Engine timing switch. 1,851,374; Mar. 29.
Rickey, James W., assignor to Aluminum Company of America, Pittsburgh, Pa. Building massive structures in water. 1,839,412; Jan. 5.
Rickey, Jesse J., assignor to Hall Manufacturing Co., Cedar Rapids, Iowa. Cultivator. 1,881,741; Nov. 8.
Rickey, Loren W., assignor of one-half to W. O. Kerrick, Santa Cruz, Calif. Curtain drying frame. 1,866,056; July 5.
Rickey, Nathan E., Massillon, Ohio. Combined hose supporter and hose. 1,891,690; Dec. 20.
Ricks, Pred. (See Barclay, W. R., and Ricks.)
Ricks, Pred. (See Gouldbourn, J., Ricks, and Barclay.)
Ricks, Pred. (See Gouldbourn, J., Ricks, and Barclay.)
Ricks, Pred. (See Hazelton, G., and Ricks.)
Ricks, Pred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,880,212; Oct. 4.
Ricks, Pred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Channeling machine. 1,891,271; Dec. 20.
Ricks, Pred, and H. E. Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for treating shoe portions. 1,864,671; June 28.
Ricks, Pred, and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,889,025; Nov. 29.
Ricks, George A., Lafayette, Ind. Pick-up and release device for aircraft. 1,861,763; May 31.
Rickson, Gustaf C., assignor to Gunn Furniture Company, Grand Rapids, Mich. Card table. 1,882,915; Oct. 18.
Rico, Gerardo G., Habana, Cuba, assignor to A. Benasbat, New York, N. Y. Apparatus for sealing straps. 1,886,046; Nov. 1.
Ricordel, Auguste L. (See Le Prieur, Y. M. P. G., and Ricordel.)
Ricordel, Auguste L., assignor to La Precision Moderne, Paris, France. Mounting for mitrailleuses. 1,855,089; Apr. 19.
Ric-Wil Company, The. (See Gottwald, Christian, assignor.)
Riddell, Walter, Yreka, Calif. Book ends. 1,876,346; Sept. 6.
Riddell Company, W. A. (See Stuckey, Robert B., assignor.)
Riddell, Hugh B. (See Moss, R. A., Riddell, and Petty.)
Riddell, John T. (See Jones, Paul W., assignor.)
Riddell, W. A., Company. (See Deisler, Harry W., assignor.)
Riddell, W. A., Company. (See Lang, Franz, assignor.)
Riddell, W. A., Company. (See Shaeffer, George D., assignor.)
Riddell, W. A., Company. (See Stuckey, Robert B., assignor.)
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Automatically focusing enlarging camera. 1,840,468; Jan. 12.

Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 1,849,249; Mar. 15.

Ridder, Otto, Brakelsiek, Germany. Rotary engine. 1,854,670; Apr. 19.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Feeding mechanism. 1,848,841; Mar. 8.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Belt tightener. 1,884,246; Oct. 25.

Riddle, Fred H. (See Jeffery, J. A., and Riddle.)

Riddle, Harry J. (See Roos, A. H., and Riddle.)

Riddle Process Company. (See Riddle, Robert N., assignor.)

Riddle, Robert N., Germantown, assignor to Riddle Process Company, Philadelphia, Pa. Decolorizing carbon and making same. 1,845,816; Feb. 16.

Riddle, Robert N., assignor to Riddle Process Company, Philadelphia, Pa. Manufacture of decolorizing carbon and the like. 1,882,916; Oct. 18.

Riddle, William T., Nevada City, Calif. Glare shield mounting. 1,864,943; June 28.

Riddock, Charles M., Boston, Mass. Shoe. Des. 86,058; Jan. 19.

Ride-O-Graph Corporation. (See Widney, Stanley W., assignor.)

Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Method and apparatus for sheet feeding. 1,853,781; Apr. 12.

Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Wrapper tabbing mechanism. 1,857,260; May 10.

Rider, Fred W., Watertown Township, Clinton County, Mich. Gas tank lock. 1,885,547; Nov. 1.

Rider, Rowland W., assignor to Utah Royalty Corporation, Salt Lake City, Utah. Automobile door latch and opener. 1,846,755; Feb. 23.

Rider, Rowland W., assignor to Utah Royalty Corporation, Salt Lake City, Utah. Converting motion and the like. 1,875,180; Aug. 30.

Ridge, Harvey, Iola, Kans. Paper pasting machine. 1,843,483; Feb. 2.

Ridge, Hayes E., assignor of one-fourth to J. E. McBride, Cedar Rapids, Iowa. Vehicle bumper. 1,849,902; Mar. 8.

Ridgeway, Leroy E. and A. English, assignors of one-third to J. N. Locke, Long Beach; said English assignor of one-third to Globe Grip Tools Co., Los Nietos, Calif. Cutting means and making the same. 1,866,602; July 12.

Ridgeway, Ralph H., Springfield, Mass. Hatband. 1,849,912; Jan. 19.

Ridgill, Ernest, Sheffield, England. Jigger conveyor. 1,876,316; Sept. 6.

Ridgill, Ernest, Penfold, Sheffield, England. Jigger conveyer. 1,876,317; Sept. 6.

Ridley, Grahame B. (See Scherer, P. A., and Ridley.)

Ridley, Vincent W., Brooklyn, assignor to United Fruit Company, New York, N. Y. Paper Bag. 1,875,154; Aug. 30.

Ridpath, Jay R., and J. L. Hagie, Minneapolis, Minn. Electrical device for operating rear curtains of automobiles. 1,885,766; Nov. 1.

Riebe, Theodore C., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Paystation equipment. 1,844,684; Feb. 9.

Riebeckesche Montanwerke Aktiengesellschaft. (See Hellthaler, T., and Peter, assignors.)

Riebeck'sche, A., Montanwerke Aktiengesellschaft. (See Zschocke, F., and Rodrian, assignors.)

Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Air-porous paper and making same. 1,854,427; Apr. 19.

Riebel, Frederick, jr., assignor to Air Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 1,856,691; Apr. 26.

Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Convertible suction cleaner. 1,884,871; Oct. 25.

Riebeling, Henry G., Pendleton, Ind. Measuring instrument or gauge. 1,864,472; June 21.

Rieber, Frank, San Francisco, Calif., assignor to General Electric Company. Magnetometer. 1,863,415; June 14.

Rieber, Frank, San Francisco, Calif. Radiating vibratory mechanical impulses into solids, liquids, and the like. 1,867,088; July 12.

Rieckmann, Erich, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Oscillograph. 1,867,176; July 12.

Riedel, J. D., Aktiengesellschaft, The Firm. (See Lowenstein, Leo, assignor.)

Riedel, Walter W., assignor to Delco-Remy Corporation, Dayton, Ohio. Sound signal. 1,847,727; Mar. 1.

Riedel, Walter W., assignor to Delco Products Corporation, Dayton, Ohio. Thermostatic switch. 1,859,985; May 24.

Riedel, Walter W., assignor to Delco Products Corporation, Dayton, Ohio. Hydraulic shock absorber. 1,865,482; July 5.

Riedel, Walter W., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,865,483; July 5.

Rieder, Thomas W., Pittsburgh, Pa. Airplane. 1,851,867; Mar. 29.

Riegel, Guy E., assignor to Automatic Radio Corporation, Spokane, Wash. Check controlled apparatus. 1,845,333; Feb. 16.

Riegel, Guy E., assignor to Automatic Radio Corporation, Spokane, Wash. Check controlled apparatus. 1,846,611; Feb. 23.

Riegel Paper Corporation. (See Stamets, O., and Duckworth, assignors.)

Rieger, Gotthilf, Cannstatt-on-the-Neckar, Germany. Calculating machine. 1,848,549; Mar. 8.

Rieger, Leonz P. A., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Transmission unit. 1,846,277; Feb. 23.

Riegger, Paul, Villingen-Baden, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen-on-the-Neckar, Germany. Fare indicator. 1,856,403; May 3.

Riegler, Riewen. (See Jewett, J. E., Heritage, and Riegler.)

Riehle Bros. Testing Machine Company. (See Moran, William C., assignor.)

Riehle, Raymond R., and J. B. Pfaller, Milford, Ohio. Foot corrective sandal. 1,867,679; July 19.

Riehm, Wilhelm, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Injection combustion engine having an air granary. 1,861,362; May 31.

Rieke, Irvin H., Auburn, Ind., assignor to Rieke Metal Products Corporation. Seal for bung fixtures. 1,859,500; Sept. 27.

Rieke Metal Products Corporation. (See Rieke, Irvin H., assignor.)

Rieke Metal Products Corporation. (See Rieke, Theodore W., assignor.)

Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Bung fixture for sheet metal containers and method of attaching the same. 1,851,938; Mar. 29.

Riemann, Ferdinand, Neuss, assignor of one-half to the Firm Wilhelm Schmidding, Koln-Mauenfeld, Germany. Device for working wood oil into lacquer. 1,864,941; June 28.

Riemenschneider, Albert E., Portland, Oreg. Lawn mower. 1,876,169; Sept. 6.

Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Pole base. 1,884,247; Oct. 25.

Riemenschneider, Ernest, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Connecting plug. 1,862,097; June 7.

Riemenschneider, John, McKeesport, Pa. Toy washing machine. 1,884,027; Oct. 25.

Rienerth, Andrew, Cleveland, Ohio. Differential for automobiles. 1,886,226; Nov. 1.

Rienks, William, Enterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Alternating current motor. 1,867,328; July 12.

Rieper, Gerhard, Leipzig, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Picture telegraphy circuit. 1,857,742; May 10.

Ries, Chester D. (See Gilstrap, Owen G., assignor.)

Ries, Edward F., Evanston, Ill. Vapor condensing apparatus. 1,859,602; May 24.

Ries, Elias E., New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Phonoscopic and phonophotoscopic record. 1,840,742; Jan. 12.

Ries, Henry J., Iowa City, Iowa. Foot control for motor cars. 1,880,152; Sept. 27.

Riesbol, Henry C., New York, N. Y. Concrete building form. 1,888,181; Nov. 15.

Rieseler, Walter, and W. Kreiser, Berlin-Johannisthal, Germany, assignors to E. Burke Wilford, Merlon, Pa. Flying machine. Re18,358; Feb. 23.

Riesenfeld, Franz. (See Ostersetzer, A., and Riesenfeld.)

Rieske, Otto G., Buffalo, N. Y. Fish cutting machine. 1,868,255; July 19.

Riesner, Milton, Pelham Manor, N. Y. Adjustable linen band. 1,886,227; Nov. 1.

Riess Manufacturing Company. (See Phelps, Clyde H., assignor.)

Riestenberg, George, Cincinnati, Ohio. Sediment retainer. 1,857,660; May 10.

Rietma, Omar, Lone, Oreg. Cutting attachment. 1,842,288; Jan. 19.

Rietz, Erich, Wuppertal-Sonnborn, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Age improver. 1,867,761; July 19.

Rife, Charles E., Baltimore, Md. Roller bearing grinder. 1,841,631; Jan. 19.

Rife, William H., Chicago, Ill. Duplex envelope. 1,869,946; Aug. 2.

Rifenberick, William L., and C. O. Sandstrom, Los Angeles, Calif. Heat exchanger unit. 1,852,707; June 14.

Riffey, Harold E., Virden, Ill. Iron holder. 1,889,110; Nov. 29.

Rigante, Giuseppe, Westerleigh, Staten Island, N. Y. Coil structure. 1,853,148; Apr. 12.

Rigante, Giuseppe, Westerleigh, Staten Island, N. Y. Coil unit. 1,871,345; Aug. 9.

Rigante, Giuseppe, Westerleigh, Staten Island, N. Y. Coil unit. 1,873,665; Aug. 23.

Rigante, Giuseppe, Westerleigh, Staten Island, N. Y. Coil structure. 1,888,541; Nov. 22.

Rigby, Albert V., Sharon, Pa., assignor to The Rigby Manufacturing Company, Cleveland, Ohio. Forming valve ports. 1,841,453; Jan. 19.

Rigby, John, New Bedford, Mass. Nozzle. 1,864,473; June 21.

Rigby Manufacturing Company, The. (See Rigby, Albert V., assignor.)

Rigby, Wallis, Anerley, London, England. Toy aeroplane. Des. 87,729; Sept. 6.

Riggall, Charles W., jr., Philadelphia, Pa. Rotary toothbrush. 1,826,626; Apr. 19.

Riggert, Christ H. (See Schrage, Henry C., assignor.)

Riggs, Arnold E. (See Davis, C. H., jr., and Riggs.)

Riggs, Arthur M., Emporia, Kans. Propeller release. 1,860,750; May 31.

Rightenour, Asa L., Chicago, Ill. Internal combustion engine. 1,863,877; June 21.

Rightway, Walter H., Glendale, Calif. Welding and soldering appliance. 1,871,009; Aug. 9.

Rightmire, John E., Yakima, Wash. Vehicle. 1,877,201; Sept. 13.

Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,871,083; Aug. 9.

Rightway, John H. (See Goetzman, Louis B., assignor.)

Righton, Douglas H., Hoanga, Dargaville, New Zealand. Aeroplane. 1,857,694; May 10.

Rightway Corporation, The. (See Webb, Arthur B., assignor.)

Rigler, Richard W., Philadelphia, Pa. Apparatus for testing the eyesight. 1,879,501; Sept. 27.

Riis, Hans M., Oslo, Norway. Propeller. 1,850,476; Mar. 22.

Riker, Andrew L. (See Messinger, L. H., and Riker.)

Riker Company, The. (See Whitehouse, Herbert G., assignor.)

Riker, Frederick J., assignor to Chrysler Corporation, Detroit, Mich. Testing machine. 1,840,131; Jan. 5.

Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 86,473; Mar. 8.

Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 86,860; Apr. 26.

Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 86,861; Apr. 26.

Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 86,862; Apr. 26.

Rikkonen Uuno I., Helsinki, Finland. Ink blotter. 1,849,124; Mar. 29.

Rile, James H., Newport, assignor to Hercules Powder Company, Wilmington, Del. Floor covering. 1,890,128; Dec. 6.

Riley, Champlain L., North Plainfield, N. J., assignor to Industrial Associates, Inc., New York, N. Y. Manufacture of casein. 1,874,182; Sept. 20.

Riley, Clarence H. (See Lamb, C. Radford, and Riley.)

Riley Engineering and Supply Company Limited. (See Robertson, Robert M., assignor.)

Riley, Francis B., Newton, Mass. Woven open fabric of nonflaccid strands. Des. 87,410; July 19.

Riley, Francis B., Newton, Mass. Woven open fabric of nonflaccid strands. Des. 87,411; July 19.

Riley, Francis B., Newton Highlands, Mass. Apparatus for the production of metallic fabrics. 1,842,120; Jan. 19.

Riley, Francis B., Newton Highlands, Mass. Apparatus for the formation of diagonal strand metallic patterns. 1,842,121; Jan. 19.

Riley, Fred E., Livermore Falls, Me. Gate valve with nonplugging seat construction. 1,874,627; Aug. 30.

Riley, George C. (See Perry, Kenneth D., assignor.)

Riley, George J., Elkins Park, Pa. Bouquet holder. 1,863,879; June 21.

Riley, Marie E., Elkins Park, assignor to North City Trust Company, Philadelphia, Pa. Bouquet holder. 1,863,878; June 21.

Riley, Harry Lan, Bend, Oreg. Furnace construction. 1,861,135; May 31.

Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,872,242; Aug. 16.

Riley, Percy, Hill Wootton, Warwick, England. Change-speed gear. 1,859,171; May 17.

Riley, Percy Covenay, England. Change-speed gear mechanism. 1,889,700; Nov. 29.

Riley, Pete D. Z., Superior, Nebr. Fan motor. 1,848,199; Mar. 8.

Riley, Robert S., Worcester, Mass., assignor, by mesne assignments, to The Air Preheater Corporation, New York, N. Y. Heat exchange apparatus. 1,859,373; May 24.

Riley Stoker Corporation. (See Andrews, L. V, assignor.)

Riley Stoker Corporation. (See Craig, O., and Andrews, assignors.)

Riley Stoker Corporation. (See Daniels, Fred H., assignor.)

Riley Stoker Corporation. (See Rich, Carl H., assignor.)

Riley, W. P., Ayer, Mass. Car retarder. 1,842,767; Jan. 26.

Rilling, Harry L. (See Lynch, T. L., and Rilling.)

Rimele, Eugen, E. Glietenberg, and W. Neelmeier, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoaroyldiamines of the benzene series. 1,878,543; Sept. 20.

Rimmelspacher, Joseph, and E. Hepting, Newark, N. J. Bung for containers. 1,878,327; Sept. 20.

Rinck-McIlwaine, Inc. (See McGuckin, John J., assignor.)

Rindzen, Charles. (See Soltis, J., and Rindzen.)

Rindl, Emil, assignor to Firm Maschinenfabrik Benninger A. G., Uzwil, Switzerland. Machine for the wet treatment of fabrics. 1,847,499; Mar. 1.

Rinehart, Harvey E., Wheeler, Oreg. Automatic coupling for air, water, and steam hose primarily intended for railroad use. 1,845,832; Apr. 19.

Rinehart-Whelan Company. (See Munday, Richard B., assignor.)

Rinek, Charles N., Easton, Pa. Making rope. 1,851,868; Mar. 29.

Riney, Arthur H. (See Endacott, P. S., and Riney.)

Ring, Eugene, New York, N. Y., assignor of one-half to J. W. McMillan, Marshfield, Mass. Indentification device. 1,865,643; July 5.

Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine gate mechanism. 1,873,980; Aug. 30.

Ring, Raymond M., Rochester, N. Y., assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display stand. 1,873,036; Aug. 23.

Ring, William A., and T. M. Laddon, Buffalo, N. Y., assignors to Bendix Brake Company, South Bend, Ind. Operating mechanism. 1,873,906; Aug. 23.

Ringbloom, Carl A., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker control switch. 1,878,602; Sept. 20.

Ringel, Abraham, et al. (See Wolff, I., May, and Ringel.)

Ringel, Abraham, Brooklyn, N. Y., assignor to Radio Corporation of America. Driving unit for sound reproducers. 1,871,739; Aug. 16.

Ringel, Abraham S. (See Minton, J. P., and Ringel.)

Ringel, Albert L. C., Altoona, Pa. Radiodial or station selector. 1,868,433; July 26.

Ringel, Albert L. C., Altoona, Pa. Radio receiving set. 1,890,408; Dec. 6.

Ringel, Charles, North Hawthorne, N. J., assignor to The Superheater Company, New York, N. Y. Locomotive fire box. 1,852,263; Apr. 5.

Ringenbach, Alfred. (See Stelz, Frank F., assignor.)

Ringer, Luther, Union Springs, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., Ironer. 1,865,048; June 28.

Ringgenberg, Herman, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,873,037; Aug. 23.

Ringler & Co., Verlagsanstalt und Vereinigte Buch- & Steindruckereien, the Firm. (See Fuchs, Friedrich, assignor.)

Ringland, Frank G., Des Moines, Iowa. Device for holding and dispensing soap bars. 1,872,816; Aug. 23.

Ringler, Kenneth H., Portland, Oreg. Attachment for pencils. 1,841,056; Jan. 12.

Ringlette Permanent Company. (See Smith, Ernest I., assignor.)

Ringwald, Clarence, North Hampton, Ohio. Des. 87,886; Oct. 4.

Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Combined drink mixer and juice extractor. 1,847,226; Mar. 1.

Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Mixing and agitating machine. 1,847,227; Mar. 1.

Ringwald, Clarence, South Bend, Ind., assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. 1,862,317; June 7.

Ringwald, Clarence, South Bend, Ind., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Starter drive. 1,862,806; June 14.

Ringwald, Frank A., jr., Chicago, Ill. Propeller for aircraft. 1,852,626; Apr. 5.

Rinker, Jacob C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Filing device. 1,855,870; Apr. 26.

Rinker, Joseph A., South Bend, Ind. Glare dimmer. 1,880,024; Sept. 27.

Rinman, Erik L., Djursholm, Sweden. Dry distilling waste liquors from the soda pulp manufacture. 1,852,264; Apr. 5.

Rinman, Erik Ludvig, Djursholm, Sweden. Producing valuable products from vegetable substances. 1,879,502; Sept. 27.

Rinman, Erik Ludvig, Djursholm, Sweden. Relieving alkaline solutions, particularly waste liquors from the soda or sulphate pulp manufacture, of silica. 1,879,503; Sept. 27.

Rinne, Allan, Orr, Minn. Carburetor control. 1,877,533; Sept. 13.

Rinne, Kalle, Townsend, Mass. Combined holder and snuffer for cigarettes. 1,840,255; Jan. 5.

Rinne, Richard, Tacoma, Wash. Smoking pipe. 1,879,504; Sept. 27.

Rintelman, William L. (See Gubelmann, I., Goodrich, and Rintelman.)

Rintelman, William L., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Purifying diphenyl-1, 2, 5, 6-anthraquinonedithiazole bodies. 1,881,448; Dec. 20.

Rintelman, William L., Milwaukee, and R. J. Goodrich, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Preparing ortho'-ortho'-dicarboxyl-diphenyl-diamino anthraquinones. 1,841,674; Jan. 19.

Rintelmans, William L., Milwaukee, and R. J. Goodrich, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Preparing diaryl-1, 2, 5, 6-anthraquinone-dithiazole bodies. 1,891,447; Dec. 20.

Rintelman, William L., Milwaukee, and R. J. Goodrich, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Preparation of diaryl-1, 2, 5, 6-anthraquinone-dithiazole bodies. 1,891,449; Dec. 20.

Riotte, Jakob, Nowawes, Germany. Electrical resistance. 1,882,428; June 7.

Rioux, Alphonse E. (See Cunningham, E. P., jr., and Rioux).

Ripa, Rudolf, assignor to Pomosin Werke G. m. b. H., Frankfort-on-the-Main, Germany. Hardening of steel. 1,876,103; Sept. 6.

Ripberger, Alexander G., Zanesville, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Furnace electrode suspension. 1,846,040; Feb. 23.

Ripberger, Alexander G., and R. V. Lincoln, Zanesville, assignors to Ohio Ferro-Alloys Corporation, Canton, Ohio. Cooling jacket for electrodes. 1,846,041; Feb. 23.

Ripke, Otto, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany. Decomposition product of urea as or in fertilizers. 1,870,346; Aug. 9.

Ripke, Otto, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company Inc., New York, N. Y. Organic gold complex compound and process of making same. 1,879,505; Sept. 27.

Ripley, Earl C., Sherman, N. Y. Yarn cleaner or slubber. 1,858,208; Apr. 12.

Ripley, Perry C., assignor to Kester Solder Company, Chicago, Ill. Sealed cored solder and sealing the same. 1,845,303; Aug. 9.

Ripley, Perry C., assignor to Kester Solder Company, Chicago, Ill. Making ingots. 1,882,917; Oct. 18.

Rippey, Hugh F. (See Banks, H. P., Davidson, Laucks, and Rippey, assignors.)

Rippl, Charles H., East Cleveland, assignor to The Clark Controller Company, Cleveland, Ohio. No-load relay. 1,867,280; July 12.

Rippl, Charles H., East Cleveland, assignor to The Clark Controller Company, Cleveland, Ohio. Time limit overload switch. 1,868,256; July 19.

Ripsch, Charles W. (See Price. W. W., and Ripsch.)

Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)

Ris, Kenneth B. (See Price, J., and Ris.)

Risacher, Marguerite E., Brooklyn, N. Y. Garment attachment. 1,841,779; Dec. 29.

Risbridger, Milton W. (See Risbridger, William C. and M. W.)

Risbridger, William C. and M. W., Cleveland, assignors of one-half to M. Irwin. Lakewood, Ohio. Trestle or saw horse. 1,846,144; Feb. 23.

Rishel, Lewis M., Detroit, Mich. Pipe covering. 1,860,203; May 24.

Risher, William D., Massillon, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Interlock for electrical circuits. 1,891,949; Dec. 27.

Rising, Harry A., Beverly, Mass., assignor to Textile Shoe Machinery Corporation, Paterson, N. J. Treadle mechanism. 1,853,149; Apr. 12.

Rising, Walter H., Painted Post, assignor to Corning Glass Works, Corning, N. Y. Cadmium containing glass and tubing made therefrom. 1,864,858; June 28.

Risinger, Frank V., Lakewood, Ohio. Hydrocarbon burner. 1,837,140; Nov. 8.

Risler Corporation of America, The. (See Florimont, Jules J., assignor.)

Risley, Allan P., Indianapolis, Ind. Garment. 1,865,280; June 28.

Risser, Arthur L., Chicago, Ill. Screw cap applying machine. 1,888,470; Nov. 22.

Risser, Arthur L., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Machine for applying threaded bottle caps. 1,860,954; May 31.

Rissi, Henry A., Collinsville, Ill. Transplanting tool. 1,859,603; May 24.

Ristow, Carl, Berlin, Germany, assignor to Beach and Arthur, Incorporated, Indianapolis, Ind. Container. 1,881,373; Oct. 4.

Ristow, Carl, and M. Lesheim, Berlin, Germany, assignors to Robinson & Golluber, New York, N. Y. Combined gift holder and greeting card. 1,861,136; May 31.

Risvold, John C. (See Hassell, Fred, assignor.)

Risvold, Oscar S. (See Christiansen, Oscar, assignor.)

Ritchey, Andrew M., San Antonio, Tex. Train order signal. 1,866,485; July 5.

Ritchie, Charles F. (See Gale, W. A., and Ritchie.)

Ritchie, Charles F., and W. A. Gale, assignors to American Potash & Chemical Corporation, Trona, Calif. Evaporative cooling. 1,873,329; Aug. 23.

Ritchie Manufacturing Company. (See Ritchie, Thomas, assignor.)

Ritchie, Ralph E., Birmingham, Ala., assignor to Chambers Brothers Company. Grinding muller roller. 1,852,435; Apr. 5.

Ritchie, Thomas, Oskaloosa, Iowa, assignor to Ritchie Manufacturing Company, Marshalltown, Iowa. Stock watering device. 1,839,595; Jan. 5.

Ritchie, Thomas, assignor to Ritchie Manufacturing Company, Marshalltown, Iowa. Wall hydrant. 1,888,359; Nov. 22.

Ritchie, Walter M., Rahway, N. J. Treating and filling cavities in trees. 1,890,019; Dec. 6.

Ritchie, William B., assignor to Weeden Manufacturing Corporation, New Bedford, Mass. Toy steam engine boiler. 1,848,028; Mar. 1.

Ritchings, George T. (See Lauster, John J., assignor.)

Rite, Charles E., Baltimore, Md. Pea grader. 1,841,299; Jan. 12.

Riter-Conley Manufacturing Company. (See Overholtz, George D., assignor.)

Rite-Rite Mfg. Co. (See Hill, Ernest E., assignor.)

Rithner, Henry, Wellsburg, W. Va. Tiled wall construction. 1,880,282; Oct. 4.

Ritnour, Luther C., Natchez, Miss. Refrigerator. 1,847,626; Mar. 1.

Ritossa, Giovanni, Newport News, Va. Top spinning holder. 1,866,486; July 5.

Ritscher, Arthur, assignor to United Cigarette Machine Company, A.-G., Dresden, Germany. Cigarette packing machine. 1,886,047; Nov. 1.

Ritt, Albert L. (See Sutter, Erwin L., assignor.)

Rittelmann, Louis J. (See Fullman, J. M. G., and Rittelmann.)

Rittenhouse, A. E., Co., The. (See Rittenhouse, Arthur E., assignor.)

Rittenhouse, Arthur E., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Insect exterminator. Des. 87,357; July 12.

Rittenhouse, Nelloak, Riverside, N. J. Wireless receiving system. 1,860,692; May 31.

Ritter, Carl C., assignor to General Motors Radio Corporation, Dayton, Ohio. Cabinet material. 1,877,254; Sept. 13.

Ritter, Claude C., Buckeye, Ariz. Combined mirror and frame. Des. 87,358; July 12.

Ritter Dental Manufacturing Company, Inc. (See May, Adam J., assignor.)

Ritter Dental Manufacturing Company, Inc. (See Moore, Clarence W., assignor.)

Ritter Dental Manufacturing Company, Inc. (See Russell, Percy, assignor.)

Ritter Dental Manufacturing Company, Inc. (See Russell, P., Schramm, and Woodward, assignors.)

Ritter, F., & Sohn, the Firm. (See Ritter, Franz, jr., assignor.)

Ritter, Franz, jr., Pasing-Munich, assignor to the Firm F. Ritter & Sohn, Pasing-Munich, Bavaria, Germany. Device for squeezing segmental fruit slices. 1,866,587; July 5.

Ritter, George A., et al. (See Garfinkel, Harry, assignor.)

Ritter, George F., assignor to The Tiltotson Manufacturing Company, Toledo, Ohio. Valve construction. 1,877,477; May 10.

Ritter, Gerald, et al. (See Garfinkel, Harry, assignor.)

Ritter, Gerhard, Ogdensburg, and E. Ufer, Neuessen, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Recovery of pure hydrogen. 1,869,825; Aug. 2.

Ritter, Heinrich. (See Kalischer, G., Ritter, and Honold.)

Ritter, Heinrich. (See Kalischer, G., Ritter, Scheyer, and Bayer.)

Ritter, Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New condensation product of the anthraquinone series and making same. 1,877,972; Sept. 20.

Ritter, Heinrich, Frankfort-on-the-Main-Fechenheim, and A. Holl, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compound of the thiazolanthrone sulphone series and making same. 1,867,097; July 12.

Ritter, Heinrich, and W. Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New indigoid dyestuffs of the anthraquinone series. 1,877,973; Sept. 20.

Ritter, John W., Duncan, Okla. Liner setter head. 1,850,157; Mar. 22.

Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. Re18,499; June 14.

Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Combined retainer and curtain. 1,844,335; Feb. 9.

Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. 1,844,336; Feb. 9.

Ritter, Julius, jr., assignor to Harrmann Trunk Company, Racine, Wis. Wardrobe case. 1,859,052; May 17.

Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Drawer locking device. 1,870,467; Aug. 9.

Ritter, Malte, assignor to Magdeburger Werkzeugmaschinenfabrik Aktiengesellschaft, Magdeburg, Germany. Arrangement on lathes and other machine tools with drive by hydraulic stepless gearings. 1,859,715; May 24.

Ritter, Richard M., Kew Gardens, N. Y. Mothproofing composition. 1,885,292; Nov. 1.

Ritter, Saul, New York, N. Y. Bracelet chain. Des. 86,476; Mar. 8.

Ritter, Saul, New York, N. Y. Bracelet chain. Des. 86,477; Mar. 8.
Ritter, Saul, New York, N. Y. Bracelet chain. Des. 86,478; Mar. 8.
Ritter, William H., assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 1,850,033; Mar. 15.
Rittaler, Philipp, Stickney, S. Dak. Oven. 1,855,561; Apr. 26.
Ritzel, Willis J., Pasadena, Calif. Elongated tablet package and wrapping. 1,861,285; May 31.
Ritzman, Albin, Eisfeld, Germany. Clipper. 1,847,786; Mar. 1.
Ritz Woller, Oliver C., Chicago, Ill. License plate holder. 1,845,334; Feb. 16.
Ritz Woller, Oliver C., Chicago, Ill. Combination cigarette case and lighter. 1,845,340; Feb. 16.
Ritz Woller, Oliver C., Chicago, Ill. Lamp. 1,846,657; Feb. 23.
Ritz Woller, Oliver C., Chicago, Ill. Protection plate for automobiles. 1,859,634; May 24.
Ritz-Woller, Oliver C., Chicago, Ill. Suction cup. 1,859,893; May 24.
Ritz Woller, Oliver C., Chicago, Ill. Mirror and accessories therefor. 1,873,943; Aug. 23.
Ritz Woller, Oliver C., Chicago, Ill. Accelerator pedal. 1,874,399; Sept. 6.
Ritz Woller, Oliver C., Chicago, Ill. Antiratttler device for doors. 1,892,374; Dec. 27.
Riva, Evaristo, Buenos Aires, Argentina. Pliable fan. 1,863,997; June 21.
Rivard, Lionel I., New Haven, assignor of one-half to L. F. Dwyer, Torrington, Conn. Toy. 1,857,976; May 10.
Rivat, George, Paterson, N. J., assignor to Celanese Corporation of America. Differentially colored fabric and process of same. 1,869,765; Aug. 9.
Rivat, George, Paterson, and E. Cadgene, Englewood Cliffs, N. J., and C. Dreyfus, New York, N. Y., assignors to Celanese Corporation of America. Dyeing of cellulose derivatives. 1,871,470; Aug. 16.
River Raisin Paper Company. (See Reaume, L. W., and Chan, assignors.)
Rivers, Elmer J., Farmindale, N. Y., assignor to The Aviation Patent and Research Corporation. Machine for shaping metal tubes. 1,888,807; Nov. 22.
Riverside Cement Company. (See Steinour, Harold H., assignor.)
Rives, Logan, Los Angeles, Calif. Mouthpiece for wind instruments. 1,844,368; Feb. 9.
Riviere, Albert S., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine for binding knitted fabrics. 1,843,248; Oct. 25.
Rivkin, Menahem, Philadelphia, Pa. Locomotive frame. 1,857,064; May 3.
Rivkin, Menahem, Philadelphia, Pa. Locomotive drawbar. 1,862,429; June 7.
Rivoche, Eugen. (See Rabinowitsch, Efraim, assignor.)
Rix, Fred H. (See Noonan, Thomas F., assignor.)
Rix, William R., assignor to A. N. Russell & Sons Company, Ilion, N. Y. Locking mechanism for cabinets. 1,843,784; Feb. 2.
Rix, William R., assignor to A. N. Russell & Sons Company, Ilion, N. Y. Cabinet construction. 1,859,795; May 24.
Rix, William R., assignor to A. N. Russell & Sons Company, Ilion, N. Y. Corner joint for cabinets or the like. 1,859,799; May 24.
Rixson, Oscar C., Co., The. (See Garrison, Forrest C., assignor.)
Rixter, Emma, Marianna, Ark. Combined radio receiving cabinet, wardrobe, and chiffonier. Des. 86,271; Feb. 16.
Rizer, Gustavus E., Burlington, and H. F. Stempel, Fort Madison, Iowa. Dental bite apparatus. 1,855,118; Apr. 19.
Ro, Stuart S., Brooklyn, N. Y. T-square and gauge. 1,849,955; Mar. 15.
Roach-Appleton Manufacturing Company. (See Newman, C., and Appleton, assignors.)
Roach, James C., Los Angeles, Calif. Self-lighting acetylene torch. 1,851,263; Mar. 29.
Roach, Mahlon H. (See Zoblin, J. A., and Roach.)
Roach, Owen E. (See Brown, G., Roach, and Peters.)
Roach, Stephen J. (See Olsen, L. A., and Roach.)
Road, Richard A., New York, N. Y., and F. J. Redmond, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector brush. 1,859,470; May 24.
Roades, Charles T., Louise, Tex. Mail holder and stacker. 1,841,982; Jan. 19.
Roadless Traction, Limited. (See Johnson, Philip H., assignor.)
Roadless Traction, Limited. (See Penn, Oscar S., assignor.)
Roads Construction Company. (See Noble, Bert, assignor.)
Roane, Robert R., Brooklyn, N. Y., assignor to Walsh-Burbee Co., Inc., Trenton, N. J. Floating breakwaters. 1,846,278; Feb. 23.
Roart, Alphonse, Philadelphia, Pa. Box wrap. Des. 87,548; Aug. 9.
Roath, Robert C., assignor to The McCaskey Register Company, Alliance, Ohio. Autographic billing and posting machine. 1,875,155; Aug. 30.
Roath, Robert C., assignor to The McCaskey Register Company, Alliance, Ohio. Continuous ledger account and statement file. 1,884,249; Oct. 25.
Robatel, Philibert T., assignor to Ateliers T. Robatel, J. Buffaud & Cie., Lyons, France. Continuous rotary separator. 1,850,140; Mar. 22.
Robb, Andrew, New Britain, Conn. Safety razor. 1,871,010; Aug. 9.
Robb, Carl O., Colorado Springs, Colo. Painter's striping brush. 1,862,436; June 7.
Robb, Frank B., Cleveland Heights, Ohio. Aeroplane landing device. 1,840,973; Jan. 12.
Robb, Harry C., sr., Washington, D. C., assignor to The T. L. Smith Company, Milwaukee, Wis. Control means for concrete weighing and mixing apparatus. 1,855,420; Apr. 26.
Robb, John F., Cleveland Heights, Ohio. Transit mixer actuating means. 1,856,728; May 3.
Robb, John F., Cleveland Heights, Ohio. Pipe line depositing machine. 1,877,974; Sept. 20.
Robb, John F., Cleveland Heights, Ohio. Machine for laying pipes in trenches. 1,877,975; Sept. 20.
Robb, Ralph H., Oakland, Calif. Mop wringer. 1,882,918; Oct. 18.
Robbiano, Peter, Lakeport, Calif. Directional signal. 1,857,297; May 10.
Robbin, Joseph F., Grand Rapids, Mich. Oar. 1,875,498; Sept. 6.
Robbins, Alvin, Douglas, Wyo. Floating water wheel. 1,863,550; June 14.
Robbins, Azor D., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y. Power apportioning means. 1,857,978; May 10.
Robbins, Azor D., New York, N. Y., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. High pressure lubricating apparatus. 1,881,096; Oct. 4.
Robbins, Azor D., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Locking mechanism for power apportioning devices. 1,886,837; Nov. 8.
Robbins, Charles W., Manor, Pa. Gun sight. 1,850,288; Mar. 22.
Robbins, Charles W., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for locating objects. 1,882,919; Oct. 18.
Robbins, Elmer, Portland, Oreg. Adjustable arm chair. 1,888,471; Nov. 22.
Robbins, Henry G., Forest Home, Calif. Apparatus for transporting live fish. 1,891,779; Dec. 20.
Robbins, Henry H., assignor to Warner Gear Company, Muncie, Ind. Roller clutch. 1,855,690; Apr. 26.
Robbins, John L., Denver, Colo. Combined egg tray support and candling device. 1,846,756; Feb. 23.
Robbins, John L., Denver, Colo. Thermostatic switching device. 1,884,872; Oct. 25.
Robbins & Myers, Inc. (See Hoddy, G. W., and Beutsch, assignors.)
Robbins & Myers, Inc. (See Ringwald, Clarence, assignor.)
Robbins & Myers, Inc. (See Seaman, F. F., and Schirmer, assignors.)
Robbins & Myers, Inc. (See Wright, Edwin M., assignor.)
Robbins, Percy A., Highland Park, Ill. Sound recording device. 1,855,201; Apr. 26.
Robbins, Percy A., Highland Park, Ill. Ore skip and the like. 1,874,711; Aug. 30.
Robbins, Philip H., New York, N. Y. Undergarment for women. 1,892,589; Dec. 27.
Robbins, Walter C., assignor to The Gabriel Company, Cleveland, Ohio. Linkage connection. 1,884,251; Oct. 25.
Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Filter. 1,868,808; July 26.
Röber, Constantin F., assignor to Universelle Cigarettenmachinen Fabrick J. & Müller & Co., Dresden, Germany. Tobacco spreading device for cigarette machines. 1,868,026; July 19.
Röber, Ewald, Dusseldorf, Germany. Metal rolling mill. 1,841,155; Jan. 12.
Roberge, Charles, Williamsburg, assignor to Furo Sanitary Drinking Fountain Company, Haydenville, Mass. Drinking fountain apparatus. 1,875,658; Sept. 6.
Robers Fibre Company. (See Jacquemin, Augusta F., assignor.)
Roberson, Bill E., Hoquiam, Wash. Log rafts. 1,883,824; Oct. 18.
Roberson, Robert S., Tuscaloosa, Ala. Combined spirit level and indicator. 1,855,651; Apr. 26.
Roberson, Willard D., assignor to Hess, Goldsmith & Co., Inc., New York, N. Y. Textile fabric. Des. 88,571; Dec. 6.
Roberson, Willard D., assignor to Moss-Still, Inc., New York, N. Y. Textile fabric. Des. 88,572; Dec. 6.
Roberson, Willard D., New York, N. Y. Textile fabric or similar article. Des. 88,672; Dec. 13.
Roberson, Willard D., assignor to Hess Goldsmith & Company, Inc., New York, N. Y. Textile fabric. Des. 88,673; Dec. 13.

Roberson, Willard D., assignor to William Willhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,185; Dec. 20.

Roberson, Willard D., New York, N. Y. Textile fabric or the like. Des. 88,826; Dec. 27.

Robert Bouy Limited. (See Soeneus, Maurice, assignor.)

Robert, John, Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Graphic indicator for continuous felt weighing scales. 1,854,250; Oct. 25.

Robert, Maurice T. (See Thomas, S., and Robert.)

Robert Mitchell Company Limited, The. (See Taylor, Earl W., assignor.)

Robert, Arron W., Dallas, Tex. Sepulcher compass or analogous article. Des. 86,980; May 17.

Roberts, Albert J., assignor of seventeen per cent to I. R. Whan, Cleveland, Ohio. Detachable wing for airplanes. 1,858,112; May 10.

Roberts, Albert J., assignor of seventeen per cent to I. R. Whan, Cleveland, Ohio. Collapsible wing. 1,869,227; July 26.

Roberts, Arthur, and J. Shelton, East St. Louis, Ill. Sign. 1,863,963; July 5.

Roberts, Beecham, Kobe, Japan. Phonograph. 1,886,228; Nov. 1.

Roberts, Bernard, Auckland, New Zealand. Controlling aeroplanes in flight. 1,892,006; Dec. 27.

Roberts Brass Manufacturing Company. (See Johnson, Roy W., assignor.)

Roberts Brass Manufacturing Company. (See Roberts, Harold V., assignor.)

Roberts, Bruce B., et al. (See Winger, Stover C., assignor.)

Roberts, Charles. (See Wales, N. B., and Roberts.)

Roberts, Charles, New York, N. Y., assignor to H. Bohn, Dayton, Ohio. Clothes wringer. 1,841,057; Jan. 12.

Roberts, Charles L., Los Angeles, Calif. Marine oil well derrick. 1,867,030; July 12.

Roberts, Charles L., Reno, Nev. Apparatus for cupling pipes. 1,869,778; Aug. 2.

Roberts, Clarence B., et al. (See Roberts, Lee R., assignor.)

Roberts, Clarence V., Germantown, assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Gas and electric range. Des. 85,991; Jan. 12.

Roberts, Clarence V., Germantown, Pa., and W. D. Antrim, Gloucester, N. J., assignors to Roberts & Mander Stove Company, Philadelphia, Pa. Range. Des. 85,992; Jan. 12.

Roberts, Dermont H., Long Beach, Calif. Indentification device. 1,857,822; May 10.

Roberts, Earl W., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Valve assembly. Re18,430; Apr. 19.

Roberts, Emanuel W. (See Sweeney, J. R., and Roberts.)

Roberts, Edward H. (See Plunkett, J. W., and Roberts.)

Roberts, Edward N., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Lubricating oil. 1,869,779; Aug. 2.

Roberts, Elmer A. (See Maywarld, E., and Roberts.)

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Spraying device for centrifugals. 1,843,697; Feb. 2.

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Automatic control for centrifugal machines. 1,861,978; June 7.

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Brake for centrifugal machine. 1,882,037; Oct. 11.

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Clutch pulley. 1,884,873; Oct. 25.

Roberts, Eugene A., Akron, Ohio. Tire. Des. 86,479; Mar. 8.

Roberts, Eugene A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire. Des. 87,129; June 7.

Roberts, Eugene A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Pneumatic tire construction. 1,880,489; Oct. 4.

Roberts, F. W., Manufacturing Co. (See Illig, G. D., Roberts, and Berray, assignors.)

Roberts, Frank B., and W. G. Huntington, Anaheim, assignors to Food Machinery Corporation, San Jose, Calif. Sizer. 1,882,038; Oct. 11.

Roberts, Frank S., Detroit, and G. Anderson, Lansing, Mich. Compartment car. 1,860,620; May 31.

Roberts, Fred T., Malone, N. Y. Making inner tubes and air bags. 1,889,904; Dec. 6.

Roberts, Frederick J., et al. (See Levitt, Leonard, assignor.)

Roberts, Fredrick W. (See Illig, G. D., Roberts, and Berray.)

Roberts, Garfield A., assignor of one-half to J. Feldman, Olathe, Kans. Cycle propelling mechanism. 1,845,192; Feb. 16.

Roberts, Garfield A., assignor of one-half to J. Feldman, Olathe, Kans. Cycle propelling apparatus. 1,846,223; Feb. 23.

Roberts, George H., et al. (See Skoverski, John R., assignor.)

Roberts, George H., Oakland, Calif. Clipper sterilizer. 1,849,204; Mar. 15.

Roberts, George H., Rock Island, Ill., assignor to American Trust Co., trustee, Davenport, Iowa. Piston ring. 1,882,983; June 14.

Roberts, George M., Detroit, Mich. Combined watch and vanity case. 1,861,644; June 7.

Roberts, Horace L., Mount Vernon, N. Y. Penetrating clip for books, etc. 1,849,639; Mar. 15.

Roberts, J. F., et al. (See Masterson, William E., assignor.)

Roberts, James H., Blytheville, Ark. Nut lock. 1,860,297; May 24.

Roberts, James R., Lincoln, Nebr., assignor to Cherry-Burrell Corporation, Chicago, Ill. Can washing machine. 1,852,627; Apr. 5.

Roberts, John F., Portland, Oreg. Sterilizing cabinet. 1,842,204; Jan. 19.

Roberts, John G., Dobbs Ferry, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,847,137; Mar. 1.

Roberts, John H., Newport, Ark. Hoe. 1,879,909; Sept. 27.

Roberts, Joseph D., Springfield, and C. H. Thomas, Chicago, Ill.; said Roberts assignor to said Thomas. Fuse. 1,867,924; July 19.

Roberts, Joseph F., et al. (See Masterson, W. E., and Price, assignors.)

Roberts, Joseph W., Portage La Prairie, Manitoba, Canada. Automobile sleigh. 1,850,691; Mar. 22.

Roberts, Lee R., assignor of twenty per cent to C. B. Roberts, twenty per cent to A. B. Watson, and twenty per cent to L. M. Heuerts, Los Angeles, Calif. Necktie fastener. 1,887,104; Nov. 8.

Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company, Producing loss varying with energy level. 1,875,156; Aug. 30.

Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Compression and expansion of range of energy level. 1,875,157; Aug. 30.

Roberts, Lewis E., Flint, Mich. Fresh flower door badge. 1,866,423; July 5.

Roberts, Lorenzo D., Shawano, Wis. Locking device. 1,843,785; Feb. 2.

Roberts, Louis L., assignor to Packard Motor Car Company, Detroit, Mich. Bolt heading machine. 1,878,183; Sept. 20.

Roberts, Louis L., assignor to Packard Motor Car Company, Detroit, Mich. Grinding machine. 1,879,506; Sept. 27.

Roberts & Mander Stove Company. (See Antrim, William D., assignor.)

Roberts & Mander Stove Company. (See Roberts, Clarence V., assignor.)

Roberts & Mander Stove Company. (See Roberts, C. V., and Antrim, assignors.)

Roberts, Margaret M., New York, N. Y. Paper creaser and slitter. 1,867,713; July 19.

Roberts, Marvin. (See Vignaux, R. I., and Roberts.)

Roberts, Oliver G., San Benito, Tex. Plow. 1,858,114; May 10.

Roberts Printing Company. (See Koehrman, Mathias G., assignor.)

Roberts, Ray C., Erie, Kans. Gasoline theft preventing device. 1,844,297; Feb. 9.

Roberts, Robert G. (See Blue, Glenn A., assignor.)

Roberts, Roland H. (See Forward, W. J. F., and Roberts.)

Roberts, Sally, New York, N. Y. Hair waving. 1,855,691; Apr. 26.

Roberts, Samuel H., Lexington, Ky. Luggage carrier. 1,869,204; May 24.

Roberts, Samuel S., Pittsburgh, Pa. Lubricating valve. 1,870,068; Aug. 2.

Roberts & Schaefer Company. (See Clapper, Leland, assignor.)

Roberts and Schaefer Company. (See Stump, Earl, assignor.)

Roberts, Thomas H. (See Irvine, F. S., and Roberts.)

Roberts, Thomas H. (See Massonneau, R. F., and Roberts.)

Roberts, Thomas H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,840,132; Jan. 5.

Roberts, Thomas M., Washington, D. C. Mass-movement detector. 1,870,347; Aug. 9.

Roberts, Walter J., Brooklyn, N. Y. Table. 1,890,409; Dec. 6.

Roberts, Walter van B., Bronxville, N. Y., assignor to Radio Corporation of America. Receiving radio signals and apparatus therefor. 1,871,740; Aug. 16.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Radioreceiver. 1,853,178; Apr. 12.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne receiver control. 1,853,179; Apr. 12.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Signaling method and means therefor. 1,858,810; May 17.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Neutralizing circuit. 1,861,585; June 7.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Wireless receiving system. 1,867,232; July 12.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Coupling system. 1,872,343; Aug. 16.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Amplifier tube control. 1,872,347; Aug. 16.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Energizing thermionic tubes. 1,882,920; Oct. 18.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Heating cathodes of space discharge devices. 1,888,360; Nov. 22.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tuned radio frequency receiver. 1,888,514; Nov. 22.

Roberts, William, assignor of one-half to S. Marinoff, Beloit, Wis. Painter's adjustable plank. 1,841,676; Jan. 19.

Roberts, William, Oakland, Calif. Multiple speed transmission. 1,885,857; Nov. 1.

Roberts, William A., Los Angeles, Calif. Combination anchor and fastening device. 1,854,671; Apr. 19.

Roberts, William N. B., Leicester, England, assignor to United Machinery Corporation, Paterson, N. J. Tape applying machine. 1,858,811; May 17.

Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,889,265; Nov. 29.

Roberts, William T. B., and H. H. Jackson, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying tape to sheet material. 1,882,039; Oct. 11.

Roberts, Wilmer L., Palmyra, N. J., assignor to Wm. H. Horstmann Co., Philadelphia, Pa. Embroidery frame. 1,843,834; Feb. 2.

Roberts, Wilmer L., Palmyra, N. J., assignor to Wm. H. Horstmann Co., Philadelphia, Pa. Tufting needle. 1,878,889; Sept. 20.

Robertshaw, Frederick W., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa., Thermostat. Re18,330; Jan. 12.

Robertshaw, John A., assignor to Robertshaw Thermostat Company, Youngwood, Pa. Temperature responsive device. 1,850,727; Mar. 22.

Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)

Robertshaw Thermostat Company. (See Robertshaw, Frederick W., assignor.)

Robertshaw Thermostat Company. (See Robertshaw, John A., assignor.)

Robertson, Arthur F. (See Dunham, L., and Robertson.)

Robertson, Charles, assignor to Luke Turner and Company Limited, Leicester, England. Hose supporter. 1,849,688; Mar. 15.

Robertson, George. (See Robertson, James B. and G.)

Robertson, George, Burlingame, Calif. Separator. 1,845,441; Feb. 16.

Robertson, George J., Mahtomedi, Minn. Coin controlled dispensing device. Des. 86,004; Jan. 12.

Robertson, H. H., Company. (See Black, George E., assignor.)

Robertson, H. H., Company. (See Burns, John E., assignor.)

Robertson, H. H., Company. (See Coffman, Alden W., assignor.)

Robertson, H. H., Company. (See Peverley, Ralph S., assignor.)

Robertson, H. H., Company. (See Young, James H., assignor.)

Roberts n, H. H., Company. (See Young, J. H., and Jenkins, Clarence, assignors.)

Robertson, Harold F. (See Davidson, J. G., and Robertson.)

Robertson, Harry H., Worland, Wyo. Bean vine cutter. 1,866,948; July 12.

Robertson, Harry M., Cleveland, Ohio. Kiln. 1,874,064; Aug. 30.

Robertson, Harry M., Cleveland, Ohio. Kiln. 1,883,400; Oct. 18.

Robertson, Henry M., et al. (See Hoermann, Frederik E., assignor.)

Robertson, Henry M. St. Paul, assignor of one-sixth to S. W. Johnson, Minneapolis, and one-sixth to C. Zaremba, St. Paul, Minn. Oil gun. 1,861,190; May 31.

Robertson, Isaac W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Doorcheck. 1,869,316; July 26.

Robertson, Ivy B., assignor of one-third to F. Gresham, Charlotte, N. C. Door operating mechanism. 1,879,507; Sept. 27.

Robertson, James B., Paterson, and G. Robertson, Ridgewood, N. J., assignors to The Paratex Corporation. Carpet and lining machine. 1,863,912; June 21.

Robertson, James R., London, England, Simultaneous recording or reproduction of sounds and moving pictures. 1,885,293; Nov. 1.

Robertson, John C., Annapolis, assignor to Locke Insulator Corporation, Baltimore, Md. Pin centering device and cushion retainer. 1,888,571; Nov. 22.

Robertson, John, Co. (See Jacobson, C. C., and Schweder, assignors.)

Robertson, John, Co. Inc. (See Jacobson, C. C., and Schweder, assignors.)

Robertson, John H., London, England. Variable friction gearing. 1,850,158; Mar. 22.

Robertson, John H., London, England. Variable friction gearing. 1,860,621; May 31.

Robertson, John H., London, England. Variable friction gearing. 1,879,508; Sept. 27.

Robertson, Julian, assignor to North Carolina Finishing Co. Inc., Salisbury, N. C. Finishing of fabric. 1,864,373; June 21.

Robertson, Kenneth J. R. (See Fowler, A., and Robertson.)

Robertson, Kenneth J. R., assignor to Carrier Engineering Company Limited, London, England. Separating plant for solutions in volatile solvents. 1,869,826; Aug. 2.

Robertson, Lennox. Cardiff, Wales. Holding stair carpets and runners in position. 1,881,140; Nov. 15.

Robertson, Oscar W., and W. P. Chalmers, Gadsden, Ala., assignor to Stringer Brothers Company, Inc., Chicago, Ill. Pipe fitting. 1,846,456; Feb. 23.

Robertson, Ralph N., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Hanger. 1,847,306; Mar. 1.

Robertson, Ralph N., and H. Miner, Pittsburgh, assignors, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator shield. 1,847,307; Mar. 1.

Robertson, Reuben B., Asheville, N. C., assignor to The Champion Fibre Company, Canton, Ohio. Interrelated extracting, and drying forming process, and apparatus therefor. 1,844,600; Feb. 9.

Robertson, Robert K., assignor to Paterson Reed and Harness Company, Paterson, N. J. Heddle frame. 1,866,908; July 12.

Robertson, Robert M., assignor to Riley Engineering and Supply Company Limited, Toronto, Ontario, Canada. Safety mechanism for monorail systems. 1,841,454; Jan. 19.

Robertson, Robert R., Chicago, Ill. Corrugating sheet metal. 1,885,294; Nov. 1.

Robertson, Robert R., Chicago Heights, Ill. Bar support. 1,867,890; Nov. 15.

Robertson, Robert R., Chicago, Ill. Expansion joint. 1,889,498; Nov. 29.

Robertson, Warren M., Revere, Mass. Cooling milk and other beverages. 1,875,264; Aug. 30.

Robertson, William H., Dayton, Ohio. Internal combustion engine. 1,879,910; Sept. 27.

Robertson, William H., Dayton, Ohio. Internal combustion engine. 1,879,911; Sept. 27.

Robertson, William H., Dayton, Ohio. Internal combustion engine. 1,880,025; Sept. 27.

Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,852,950; Jan. 26.

Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,852,951; Jan. 26.

Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,864,720; June 28.

Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,873,723; Aug. 23.

Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,805; Aug. 30.

Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame control for Axminster looms. 1,847,627; Mar. 1.

Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check and protector mechanism. 1,869,720; July 26.

Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for Axminster looms. 1,873,038; Aug. 23.

Robeson, Edna G., New York, N. Y. Finger key. 1,847,538; Mar. 1.

Robeson Process Company. (See Wallace, Fredrick J., assignor.)

Robeson-Rochester Corporation. (See Fisher, Albert F., assignor.)

Robichaux, Sosthene. (See Barrett, G. J., and Robichaux.)

Robin, Joseph T., Streatham, England. Carton, box, or other container or holder. 1,853,746; Apr. 12.

Robin, Marcel A., Port-au-Prince, Haiti. Puncture proof cushion wheel. 1,870,142; Aug. 2.

Robin, Nathan, Chicago, Ill. Top for a game table or similar article. Des. 88,441; Nov. 29.

Robin, Nathan, Chicago, Ill. Game. 1,849,956; Mar. 15.

Robin, Paul. (See Trimbach, F. E. L., Robin, assignor, and Steinmetz.)

Robin, Philip T., Erie, Pa., assignor, by mesne assignments, to The Wellman Engineering Company, Cleveland, Ohio. Hipper tooth structure. 1,856,930; May 3.

Robina, Michael, Newark, N. J., assignor to The Interstate Equipment Corporation, New York, N. Y. Grip wheel. 1,847,982; Mar. 1.

Robinovitch, Louise G. (See Mindeleff, Charles, assignor.)

Robinson, A. H., Company, The. (See Robinson, Arthur H., assignor.)

Robinson, Albert E., assignor to The American Tool Works Company, Cincinnati, Ohio. Lapping machine. 1,878,603; Sept. 20.

Robinson, Albert E., Cincinnati, and W. L. Schellenbach, Wyoming, assignors to The American Tool Works Company, Cincinnati, Ohio. Metal shaping machine. 1,847,446; Mar. 1.

Robinson, Albert E., and C. E. Black, assignors to The American Tool Works, Cincinnati, Ohio. Chip control device. 1,854,672; Apr. 19.

Robinson, Albert P., Seattle, Wash. Slidable wind deflector. 1,849,704; Jan. 5.

Robinson, Alfred P., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Continuous operation apparatus for purifying liquids. 1,855,010; Apr. 26.

Robinson, Arthur H., Lakewood, assignor to The A. H. Robinson Company, Massillon, Ohio. Air fan. 1,843,786; Feb. 2.

Robinson, Arthur P., assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Stabilizing means for concrete mixers. 1,859,420; Apr. 5.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,859,474; May 24.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Roughing tool for shoe parts. 1,862,982; Jun. 14.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Staple forming and inserting machine. 1,859,219; Nov. 29.

Robinson, Charles B., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Auger bit. 1,852,937; Apr. 5.

Robinson, Charles F., jr., East Cleveland, assignor to The Reliance Electric and Engineering Company, Cleveland, Ohio. Self-drive coupling. 1,842,663; Mar. 8.

Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harveste: Company, Chicago, Ill. Cultivator. 1,846,457; Feb. 23.

Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Rod weeder. 1,854,903; Apr. 19.

Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Field cultivator. 1,886,229; Nov. 1.

Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Yieldable draft device for ground working implements. 1,892,007; Dec. 27.

Robinson, Clarence A., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Inspection apparatus. 1,850,415; Mar. 22.

Robinson, Clark, New York, N. Y. Airplane. 1,845,520; Feb. 16.

Robinson, Claude A., assignor to Detroit Steel Products Company, Detroit, Mich. Structural member. 1,876,756; Sept. 13.

Robinson, Cornelius P., assignor to The Ideal Electric & Manufacturing Co., Mansfield, Ohio. Compound synchronous motor. 1,875,763; Sept. 6.

Robinson, E. S., and A., Limited. (See Robinson, Foster G., assignor.)

Robinson, Edward A., assignor to E. E. Workman, Montreal, Canada, and J. Robinson, New York, N. Y. Connecter for train pipes. 1,856,656; May 3.

Robinson, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,856,820; May 3.

Robinson, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Rotary disk, turbine bucket wheel or the like. 1,884,252; Oct. 23.

Robinson, Ernest Y. (See Olby, A., and Robinson.)

Robinson, Ernest Y., Withington, England. Vacuum electric tube. 1,850,809; Mar. 22.

Robinson, Ernest Y., Enfield, England, assignor to Associated Electrical Industries, Limited. Vacuum electric tube device. 1,872,010; Aug. 16.

Robinson, Ernest Y., Lymm, and C. R. Burch, Stretford, Manchester, England, assignors to Associated Electrical Industries Limited. Thermionic rectifier system. 1,872,009; Aug. 16.

Robinson, Eustace, Level Land, S. C. Sirup pitcher. 1,888,330; Nov. 22.

Robinson, Foster G., assignor to E. S. and A. Robinson, Limited, Bristol, England. Cardboard or like box and carton. 1,891,839; Dec. 20.

Robinson, Francis T., Rockville Center, assignor to Arkell Safety Bag Company, New York, N. Y. Lining bar and producing the same. 1,889,572; Nov. 29.

Robinson, Frank S., Detroit, Mich. Sectional wall panel construction. 1,877,053; Sept. 13.

Robinson, Frank W., assignor to Schuylkill Hosiery Mills, Reading, Pa. Striping attachment for circular knitting machines. 1,864,321; June 21.

Robinson, Frank W., Reading, Pa., assignor, by mesne assignments, to Scott and Williams, Inc., New York, N. Y. High splice attachment for circular knitting machines. 1,884,253; Oct. 25.

Robinson, Frederick H., assignor of one-half to T. Cooke, New York, N. Y. Demountable rim for vehicle tires. 1,855,000; Apr. 19.

Robinson, Gale S., Seattle, Wash. Calculator casing. Des. 87,979; Oct. 18.

Robinson, George L., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Delivery mechanism for carton sealing machines. 1,840,410; Jan. 12.

Robinson, George L. (See Humes, J. C., and Robinson.)

Robinson, George L., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Water cooler for furnaces. 1,864,762; June 28.

Robinson, Graydon. (See Hill, Dewey H.)

Robinson, Guy, Dinuba, and H. Clausen, Alameda, Calif. Hanger. 1,873,039; Aug. 23.

Robinson, Harold C., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Coil testing equipment. 1,852,880; Apr. 5.

Robinson, Harold C., Chicago, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Testing equipment. 1,853,639; Apr. 12.

Robinson, Harold H., Opalocka, Fla. Motor vehicle. Des. 87,241; June 21.

Robinson, Harry E. (See Schutz, H. R., and Robinson.)

Robinson, Harry G., Waterbury, Conn., assignor to Industries of America, Inc. Supply carrier for braiding machines. 1,878,890; Sept. 20.

Robinson, Henry, New York, N. Y. Washing machine for spinach, etc. 1,853,997; Apr. 12.

Robinson, Henry, New York, N. Y. Oyster opener. 1,857,782; May 10.

Robinson, Henry H., Los Angeles, Calif. Pressure balancer. 1,845,722; Feb. 16.

Robinson, Howard W., Twin Falls, Idaho. Top for cooking vessels. 1,852,628; Apr. 5.

Robinson, Irving G., Norwalk, Conn. Tooth paste and shaving cream tube holder. 1,887,720; Nov. 15.

Robinson, Jack. Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Lubricating oil. 1,855,203; Apr. 26.

Robinson, Jack D. (See Bruson, H. A., and Robinson.)

Robinson, James, London, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Wireless signaling system. 1,854,066; Apr. 12.

Robinson, James, Mill Hill, London, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Electro-optical apparatus. 1,878,891; Sept. 20.

Robinson, James, Mill Hill, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Wave signaling system. 1,889,293; Nov. 29.

Robinson, James P., Tokyo, Japan. Faucet. 1,852,900; Apr. 5.

Robinson, James W. (See Angel, H., and Robinson.)

Robinson, John W., Chicora, Miss. Copy holder. 1,847,195; Mar. 1.

Robinson, Joseph. (See Baldwin, George E., assignor.)

Robinson, Joseph, et al. (See Robinson, Edward A., assignor.)

Robinson, Joseph. (See Slayton, Frank T., assignor.)

Robinson, Joseph, New York, N. Y. Automatic train pipe coupling. 1,844,601; Feb. 9.

Robinson, Joseph, New York, N. Y. Automatic train pipe connecter lock. 1,890,096; Dec. 6.

Robinson, Joseph, New York, N. Y. Automatic train pipe connecter head. 1,890,410; Dec. 6.

Robinson, Joseph, New York, N. Y. Automatic train pipe connecter head. 1,890,411; Dec. 6.

Robinson, Joseph, New York, N. Y. Automatic train pipe coupling. 1,868,916; July 26.

Robinson, Joseph, New York, N. Y. Automatic train pipe coupling. 1,878,712; Sept. 20.

Robinson, Joseph B., Rochester, N. Y. Radiator bracket. 1,878,645; Sept. 20.

Robinson, Joseph F., assignor to Schmidt Lithograph Company, San Francisco, Calif. Fiber shipping case. 1,856,729; May 3.

Robinson, Leo V., and G. M. Thomson, Caledonia, assignors to Gypsum Lime and Alabastine, Canada, Limited, Paris, Ontario, Canada. Method of and apparatus for making wall board. 1,880,188; Sept. 27.

Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Sound recording. 1,854,159; Apr. 12.

Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric company. Film drive. 1,880,106; Sept. 27.

Robinson, Louis E., Council Bluffs, Iowa. Pipe cleaning tool. 1,845,442; Feb. 16.

Robinson, Lula H., Dallas, Tex. Scroll and line indicator. 1,875,659; Sept. 6.

Robinson, Reginald H., Corvallis, Oreg., dedicated, by mesne assignments, to The People of the United States of America. Process for the renewal of natural oils, wax, and spray residues from fruits. 1,884,966; Oct. 25.

Robinson, Reginald H., Corvallis, Oreg., dedicated, by mesne assignments, to the citizens of the United States. Removal of spray residues from fruits and vegetables. 1,885,100; Oct. 25.

Robinson, Robert H. (See Holmes, H. H., and Robinson.)

Robinson, Roy H., Chicago, Ill. Tennis racket. 1,862,581; June 14.

Robinson, Russell. (See Williams, F. J., and Robinson.)

Robinson, Samuel S., Passaic, N. J. Method and apparatus for laying strip material. 1,846,145; Feb. 23.

Robinson & Sons, Limited. (See Robinson, Victor O., assignor.)

Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Apparatus for making prepared building products. 1,863,880; June 21.
Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Apparatus for making sheet material. 1,873,040; Aug. 23.
Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Molding apparatus. 1,873,041; Aug. 23.
Robinson, Thomas F., Rye, N. Y. Holdup protection device. 1,891,554; Dec. 20.
Robinson, Thomas L., Valparaiso, Ind. Retainer for ball bearings. 1,857,823; May 10.
Robinson, Thomas L., Valparaiso, Ind. Self-aligning ball bearing. 1,888,361; Nov. 22.
Robinson, Victor O., Chunder Hill, Chesterfield, assignor to Robinson & Sons, Limited, Chesterfield, England. Paper-like material. 1,850,895; Mar. 22.
Robinson, Virgil R., Los Angeles, Calif. Helm controlling device for yachts. 1,846,458; Feb. 23.
Robinson, Walter W., Beloit, Wis., assignor of one-half to B. B. Lyons, Chicago, Ill. Vacuum tube holder. 1,852,334; Apr. 5.
Robinson, Ward M., and Harold K. Rader, assignors to Mueller Brass Co., Port Huron, Mich. Hanger. 1,870,611; Aug. 9.
Robinson, Ward M., D. E. Lindquist, H. K. Rader, and L. M. Young, assignors to Mueller Brass Co., Port Huron, Mich. Sprinkling device. 1,882,922; Oct. 18.
Robinson, W. Scott, et al. (See Moran, Edward J., assignor.)
Robinson, William J., Muskegon, Mich. Weeding implement. 1,885,377; Nov. 1.
Robinson, William R., assignor to The Ohio Galvanizing & Manufacturing Co., Niles, Ohio. Truck. 1,849,028; Mar. 8.
Robinson, William T., Logan, W. Va. Mining machine. 1,853,295; Apr. 12.
Robinson, William W., Chattanooga, Tenn. Crate. 1,890,067; Dec. 6.
Robinson, Willie R., Martha, Okla. Pressure fuel oil feed system for oil engines. 1,854,603; Apr. 19.
Robison, David V., Zanesville, Ohio, assignor to The Mosaic Tile Company, Zanesville, Ohio. 1,848,200; Mar. 8.
Robison, George M., Los Angeles, Calif. Drum. 1,845,625; Feb. 16.
Robison & Golluber. (See Ristow, C., and M. Lesheim, assignor.)
Robl, Rudolf. (See Frankenburger, W., Robl, and Zimmerman.)
Roblee, Milton A., and G. H. Kunz, assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for handling sugar, and other pulverulent materials. 1,869,619; Aug. 2.
Robson, Duer C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand working machine. 1,871,391; Aug. 9.
Robson, Robert, Baytown, Tex. Music stand and leaf turner. 1,846,066; Feb. 23.
Robson, Stanley, Avonmouth, England. Roasting of zinc sulphide ores. 1,862,828; June 14.
Roby, Edward B., New York, assignor to S. and R. Folding Machine Company, Inc., Green Island, N. Y. Folding machine. 1,882,923; Oct. 18.
Roby, Frank M., Cleveland, Ohio. Low water alarm. 1,872,563; Aug. 16.
Rocca, Agostino, Dalmine, Italy. Apparatus for covering the outside surface of metal pipes with a mixture of fibrous substances and hydraulic cement substances. 1,871,917; Aug. 16.
Rochat, Henri, Geneva, Switzerland. Electric plug. 1,848,841; Jan. 26.
Roche, Clifton R., Los Angeles, Calif. Driving apparatus for vehicles. 1,874,604; Aug. 30.
Roche, Clifton R., Los Angeles, Calif., assignor to Automotive Research and Manufacturing Company, Reno, Nev. Automobile construction for front wheel drive. 1,874,605; Aug. 30.
Roche, Clifton R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Aviation motor. 1,882,448; Oct. 11.
Roche, Cyril. (See Zipser, A., and Roche.)
Roche, William J., Cochranton, Pa. Game apparatus. 1,858,113; May 17.
Roche, William P., Lakewood, Ohio. Collapsible battery handle. 1,867,632; July 19.
Rochester Appliance Company. (See Ellis, Arthur H., assignor.)
Rochester Folding Box Co, The. (See Fancher, Howard M., assignor.)
Rochestie, Barnett B., Trenton, N. J. Weighing machine casing. Des. 87,942; Oct. 11.
Rochestie, Barnett B., and W. H. Jaeger, Trenton, N. J., assignors, by mesne assignments, to Park Place Discount Co. Tank system for automatic photographic apparatus. 1,846,570; Feb. 23.
Rochestie, Barnett B., and W. H. Jaeger, Trenton, N. J., assignors, by mesne assignments, to Park Place Discount Co. Automatic photographing apparatus. 1,846,571; Feb. 23.
Rocheville, Harry D., assignor to Rocheville Ltd., Los Angeles, Calif. Airplane wing. 1,846,146; Feb. 23.
Rocheville Ltd. (See Rocheville, Harry D., assignor.)
Rochó, Jean A., Dayton, Ohio. Adjustable seat. 1,861,938; June 7.
Rock, Darrell D. (See McDonough, J., and Rock.)
Rock, Darrell D., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw driving mechanism. 1,882,924; May 17.
Rock, Edmond H. (See Talkes, L. N., and Rock.)
Rock, Frederick J., Syracuse, N. Y. Combined curtain pole and shade support. 1,849,857; Mar. 15.
Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal and attachment therefor. 1,847,100; Mar. 1.
Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Indexing apparatus. 1,859,111; May 17.
Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sealing materials. 1,882,925; Oct. 18.
Rockestos Products Corporation. (See Anderson, Herbert O., assignor.)
Rockelein, Laurence A., Port Jervis, N. Y. Bathtub adjustable leg. 1,852,901; Apr. 5.
Rockenfield, William A., assignor to High Speed Hammer Co. Inc., Rochester, N. Y. Helve operated hammer. 1,840,174; Jan. 5.
Rockenfield, William A., assignor to High Speed Hammer Co., Inc., Rochester, N. Y. Helve operated hammer. 1,862,431; June 7.
Rocker, George, Westfield, and E. B. Middleton, New Brunswick, N. J., assignors to Du Pont Viscoloid Company, Inc., Wilmington, Del. Cellulose ester composition. 1,868,851; July 26.
Rockford Drilling Machine Company. (See Carlson, Raymond A., assignor.)
Rockford Drilling Machine Co. (See Hughes, William F., assignor.)
Rockford Drilling Machine Co. (See Ruesenberg, Carl A. assignor.)
Rock Island Plow Company. (See Kaupke, Lee H., assignor.)
Rock Island Register Company. (See Burgess, John J., signor.)
Rockland & Rockport Lime Corporation. (See Hemeon, Wesley C. L., assignor.)
Rockland & Rockport Lime Corporation. (See Wood, George B., assignor.)
Rock of Ages Corporation. (See Chase, Elroy A., assignor.)
Rockoff, Louis S., Chicago, Ill. Parachute. 1,839,441; Jan. 5.
Rockola, David C., Chicago, Ill. Game device. Des. 87,759; Sept. 13.
Rockstad, Fred A., Thief River Falls, Minn. Sickle guard. 1,851,869; Mar. 29.
Rockwood, A. W., Winchester, assignor to Halley-Cate-Rockwood Company, Everett, Mass. Spindle, pedestalling, or the like and making same. 1,884,254; Oct. 25.
Rockwell, A. Waldo, Winchester, Mass. Loom. 1,840,975; Jan. 12.
Rockwell, Byrd C., Camden, Ark. Inlay flooring and manufacturing same. 1,840,974; Jan. 12.
Rockwell, Byrd C., Camden, Ark. Flooring. 1,846,658; Feb. 23.
Rockwell, Byrd C., Sheffield, Ala., assignor of one-half to Bradley Lumber Company of Arkansas, Warren, Ark. Equalizing attachment. 1,847,983; Mar. 1.
Rockwell, Edward A., Long Island City, N. Y. Vehicle brake. 1,859,530; May 17.
Rockwell, Edward A., Long Island City, N. Y. Engine operated fuel pump. 1,864,219; June 21.
Rockwell, Edward A., Long Island City, N. Y. Depth testing and indicating device. 1,870,652; Aug. 9.
Rockwell, Edward A., Long Island City, N. Y. Brake mechanism. 1,882,927; Oct. 18.
Rockwell, Edward A., Long Island City, N. Y. Fuel pumping device. 1,882,928; Oct. 18.
Rockwell, Edward A., Chicago, Ill. Power unit. 1,865,644; July 5.
Rockwell, Edward A., Chicago, Ill. Power brake apparatus. 1,882,926; Oct. 18.
Rockwell, Edward A., Chicago, Ill. Power mechanism. 1,885,767; Nov. 1.
Rockwell, Edward A., New York, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feeding apparatus operated by pressure. 1,856,265; May 3.
Rockwell, Edward A., and E. R. Evans, Chicago, Ill. Brake linkage. 1,882,929; Oct. 18.
Rockwell, Hugh M., New York, N. Y. Stop light switch and brake system for vehicles. 1,882,253; Oct. 11.
Rockwell, Hugh M., Freeport, N. Y. Internal combustion engine. 1,887,787; Nov. 15.
Rockwell, John A., et al., trustees. (See Hanke, Julius F., assignor.)
Rockwell, Paul O., Baltimore, Md. Caustic silicate. 1,857,402; May 10.
Rockwell, Robert B. H., Atlanta, Ga. Telephone system for high tension transmission lines. 1,852,902; Apr. 5.
Rockwell, Samuel F., North Andover, and H. A. Owen, Foxboro, assignors to Davis & Furber Machine Company, North Andover, Mass. Spinning frame. 1,866,058; July 5.
Rockwell, Stanley P., Company, The. (See Rockwell, Stanley P., assignor.)
Rockwell, Stanley P., West Hartford, assignor to The Stanley P. Rockwell Company, Hartford, Conn. Agitator for hardening baths. 1,864,149; June 21.

Rockwell, Wallace A., Long Beach, and L. M. Stanfield, Whittier, Calif. Head for well casings and tubings. 1,888,637; Nov. 22.

Rockwell, Willard F., Edgewood, Pa., assignor, by mesne assignments, to The Timken-Detroit Axle Company, Detroit, Mich. Road vehicle. 1,850,942; Mar. 22.

Rockwood, George I., Worcester, Mass. Mechanism for angular adjustment of the bowsprit of a sailboat. 1,891,555; Dec. 20.

Rockwood, George I., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Fusible link. 1,879,509; Sept. 27.

Rockwood, Lance L., and H. G. Carlson, assignors to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Air exhauster. 1,861,817; June 7.

Rockwood Sprinkler Company. (See Rockwood, George I., assignor.)

Rockwood Sprinkler Company of Massachusetts. (See Benson, Emil M., assignor.)

Rockwood Sprinkler Company of Massachusetts. (See Howard, Clifton P., assignor.)

Rockwood Sprinkler Company of Massachusetts. (See Rockwood, G. I., and Carlson, assignors.)

Rocky Mountain Celotex Company. (See Griffith, Clarence P., assignor.)

Roco, Albert L. (See Layne, L. A., and Roco.)

Rodack, James W. Chicago, Ill., assignor, by mesne assignments, to Woodall Industries, Incorporated, Detroit, Mich. Panel support. 1,869,714; Aug. 2.

Rodanet, Charles H. H., Neuilly-sur-Seine, France. Clock lamp. Des. 87,412; July 19.

Rodanet, Charles H. H., Versailles, assignor to Société Anonyme etablissements Ed. Jaeger, Seine, France. Windscreen adjusting mechanism. 1,857,261; May 10.

Rodd, Ernest H. (See Coulthard, A., and Rodd.)

Rodd, Ernest H., and F. L. Sharp, Blackley, Manchester, assignor to Imperial Chemical Industries, Limited, London, England. New trialrylmethane dyestuffs. 1,860,751; May 31.

Rodde, Armand, Paris, France. Device for the periodic distribution of a liquid substance on a plane surface, cinematographic films or others. 1,892,473; Dec. 27.

Roddy, Gustav R., assignor to Chain Belt Company, Milwaukee, Wis. Sewage disposal system. 1,882,930; Oct. 18.

Rode, Alfred B., assignor to Rode & Brand, New York, N. Y. Toy. 1,863,167; June 14.

Rode & Brand. (See Rode, Alfred B., assignor.)

Rode, Fredrich J. (See Glasner, R. W., and Rode.)

Rode, Fredrich J., Chicago, Ill. Metal working press. 1,879,510; Sept. 27.

Rode, Fredrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushioning device for metal working machines. 1,848,383; Mar. 8.

Rode, Fredrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Valve. 1,849,689; Mar. 15.

Rode, Fredrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushion for sheet metal presses. 1,849,690; Mar. 15.

Rode, Fredrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Sheet metal press. 1,849,691; Mar. 15.

Rode, Fredrich J., and R. W. Glasner, Chicago, Ill. Metal working press. 1,846,439; Feb. 23.

Rodeback, Charles H., San Pedro, Calif. Necktie. 1,878,604; Sept. 20.

Rodefer, Charles W. (See McGuire, Walter S., assignor.)

Rodenhuis, Otto Jan, and C. Smith, assignors to Toledo Patents, Inc., Toledo, Ohio. Automobile. 1,892,078; Dec. 27.

Rodenstock, Rudolf, Berlin, Germany, assignor to The Dayton Roderwald Company, Dayton, Ohio. Connectors for belts. 1,874,628; Aug. 30.

Rodewald, Gustav, Jena, Germany, assignor to The Amber Size & Chemical Company Limited, London, England. Treatment of road making materials. 1,854,348; Apr. 19.

Rodger Ballast Car Company. (See Hart, Harry S., assignor.)

Rodger Ballast Car Company. (See Hindabl, David, assignor.)

Rodger Ballast Car Co. (See Neikirk, John O., assignor.)

Rodgers, Clyde C., San Francisco, Calif. Mechanically operated game table. 1,879,511; Sept. 27.

Rodgers, Eben, jr., and G. D. Duncan, jr., Alton, Ill. Making light metal material. 1,842,801; Jan. 26.

Rodgers, John B., Little Rock, Ark. Auxiliary wheel. 1,886,977; Nov. 8.

Rodgers, John D., Griffin, Ga. Atomizer. 1,862,636; June 14.

Rodgers, John S., Charleroi, Pa. Harrow. 1,864,859; June 28.

Rodgers, Oscar R., Corning, Calif. Load brace for fruit cars. 1,846,737; Feb. 23.

Rodgers, S. E. (See Cannon, Roy F., assignor.)

Rodgers, S. E. (See Wheeler, Arthur L., assignor.)

Rodin, William F., Los Angeles, Calif. Mounting for artificial teeth. 1,875,499; Sept. 6.

Rodin, William F., and A. Hural, Los Angeles, Calif. Dental flask. 1,875,660; Sept. 6.

Rodless Pump Company. (See Scott, Bernard H., assignor.)

Rodman, Clarence J., and R. P. Dunmire, assignors to The Buckeye Twist Drill Company, Alliance, Ohio. Oil reclaiming and purifying system. 1,894,095; June 21.

Rodman, Clarence J., and R. P. Dunmire, assignors to The Buckeye Twist Drill Company, Alliance, Ohio. Method and apparatus for purifying oil. 1,868,917; July 26.

Rodman, Clarence J., and R. P. Dunmire, assignors to The Buckeye Twist Drill Company, Alliance, Ohio. Liquid treating apparatus. 1,890,265; Dec. 6.

Rodning, Knut O., Oakland, Calif. Portable saw machine. 1,842,630; Jan. 26.

Rodrian, Herbert. (See Zschoch, F., and Rodrian.)

Rodrigues, Octavius V., assignor to Magazine Repeating Razor Company, New York, N. Y. Magazine razor. 1,877,429; Sept. 13.

Rodriguez, Andrew, assignor to Sargent & Company, New Haven, Conn. Machine for forming screw threads. 1,858,589; Feb. 2.

Rodriguez, Herbert, Chicago, Ill. Foldable rocking chair. 1,856,429; May 3.

Rodriguez, John A., Portland, Oreg. Apparatus for holding the sack open while picking potatoes or onions. 1,882,931; Oct. 18.

Rodriguez, Rafael V., New York, N. Y. Advertising device. 1,861,067; May 31.

Rodwin, George, New York, N. Y., assignor to Radio Corporation of America. Constant beat frequency system. 1,871,741; Aug. 16.

Rodyenko, Peter, Manhasset, N. Y. Holder for a beverage shaker. Des. 86,807; Apr. 19.

Roe, A. V., & Company Limited. (See Chadwick, Roy, assignor.)

Roe, Chester M. (See Mastin, Charles R., and Roe.)

Roe, Ernest S., assignor to Ring Manufacturing Company, Plymouth, Mich. Air rifle. 1,868,292; July 19.

Roe, George R., Pomona, and W. M. Mertz, Ontario, Calif. Fertilizer applicator. 1,862,238; June 7.

Roe, George R., Pomona, and W. M. Mertz, Ontario, Calif. Fertilizer applicator. 1,862,239; June 7.

Roe, Harry A., assignor to Sauerman Bros. Inc., Chicago, Ill. Cable securing means. 1,850,896; Mar. 22.

Roe, Mark W., Cumberland, Md. Rail and flange lubricator. 1,846,758; Feb. 23.

Roe, Nathaniel Fatchett, N. Y. Search-light testing attachment. 1,852,190; Apr. 5.

Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Power plant. 1,857,332; May 10.

Roe, Ralph C., Englewood, assignor of one-half to Stephen W. Borden, Summit, N. J. Weighing machine. 1,885,378; Nov. 1.

Roe, William C. (See Poliakoff, Rouvine, and Roe.)

Roe, William C., assignor to Telkor, Inc., Elyria, Ohio. Cutter. 1,851,985; Apr. 5.

Roe, William C., assignor to Telkor, Inc., Elyria, Ohio. Reel converter. 1,854,863; Apr. 19.

Roe, William C., Pittsburgh, Pa., assignor to Printel Manufacturing Corporation. Electromagnetic relay. 1,851,099; July 19.

Roebel, Ludwig, Mannheim, Germany. Compressor without glands for use especially in refrigerating machines. 1,858,904; May 17.

Roebling's, John A., Sons Company. (See Green, Richard D., assignor.)

Roebling's, John A., Sons Company. (See Pedersen, John A., assignor.)

Roebling's, John A., Sons Company. (See Sunderland, Charles C., assignor.)

Roebuck, Alfred L., Winchendon, Mass. Ice cream freezer. 1,865,724; July 5.

Roed, Thorvald, Chicago, Ill. Sealing device. 1,850,566; Mar. 22.

Roedding, Gordon E., Grand Rapids, Mich. Latch. Des. 86,267; Feb. 16.

Roedding, Gordon E., Grand Rapids, Mich. Hinge. Des. 86,268; Feb. 16.

Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,839,268; Jan. 5.

Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,863,536; June 14.

Roeder, Christian. (See Ehrhardt, Friedrich.)

Roeder, Clyde A., Omaha, Nebr. Vehicle seat. 1,875,500; Sept. 6.

Roeder, Dale, assignor to Ford Motor Company, Dearborn, Mich. Vehicle engine accelerator. 1,856,192; May 3.

Roeder, Harold C. (See Peiffer, A. M., and Roeder.)

Roedig, Anthony, Chevoit, Ohio. Adjustable form for setting metal windows in concrete. 1,881,971; Oct. 11.

Roefnag, Aktiengesellschaft. (See Bucky, Gustav, assignor.)

Roehl, Frank M., assignor to National Automatic Doughnut Machine Company, Minneapolis, Minn. Doughnut former. 1,879,951; Sept. 27.

Roehl, Frank M., and P. J. Toews, assignors to National Automatic Doughnut Machine Company, Minneapolis, Minn. Cutter for doughnut formers. 1,846,659; Feb. 23.

Roehm, William A., Lynbrook, N. Y. Suction-massage apparatus. 1,882,040; Oct. 11.

Roehrich, Carl, Berlin, Germany, assignor to the Firm Silfree Aktiengesellschaft, (Silfree Limited), Vaduz, Liechtenstein. Treating photo-sensitive bodies. 1,840,529; Jan. 12.

Roehrich, Carl, Berlin, Germany, assignor to the Firm: Silfree Aktiengesellschaft, Silfree Limited, Vaduz, Liechtenstein. Manufacturing polychromatic photographic pictures. 1,843,001; Jan. 26.

Roehrich, Carl, Berlin, Germany, assignor to the Firm Silfree Aktiengesellschaft (Silfree Limited) Vaduz, Liechtenstein. Light source for photographic copying purposes. 1,867,100; July 12.

Roehrich, Carl, Berlin, assignor to the Firm Silfree Aktiengesellschaft, Silfree Limited, Vaduz. Treating photosensitive bodies. 1,885,063; Oct. 25.

Roemer, Julius, Lakewood, Ohio. Evaporator. 1,858,061; May 10.

Roemer, Ralph R., Cleveland, Ohio. Construction shore. 1,843,631; Feb. 2.

Roemisch, Joseph A., Sequin, Tex. Controllable pitch propeller. 1,869,280; July 26.

Roempler, Frederick, Chicago, Ill. Garment shipping container. 1,862,829; June 14.

Roepke Container Corporation. (See Roepke, William J., assignor.)

Roepke, Walter G., Clayton, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Mold or core wash. 1,875,501; Sept. 6.

Roepke, William J., Dayton, Ohio, assignor, by mesne assignments, to Roepke Container Corporation, Baltimore, Md. Plaited corner-fold pan and the art of and blank for making the same. 1,870,295; Aug. 9.

Roesch, August R. (See Shand, Richard, assignor.)

Roesch Enamel Range Company. (See Fellner, Alphonse E., assignor.)

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Matrix roaster. 1,843,489; Feb. 2.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tabloid sheet slitter. 1,849,958; Mar. 15.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pin motion for folding cylinders. 1,853,320; Apr. 12.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Mold filling limiting device. 1,856,430; May 3.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paste drying device for a printing web. 1,870,529; Aug. 9.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pneumatic web severing device. 1,878,184; Sept. 20.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tension meter. 1,882,932; Oct. 18.

Roesen, Oscar C., Brooklyn, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Late news printing device. 1,882,933; Oct. 18.

Roesen, Oscar C., Brooklyn, N. Y., and I. Tornberg, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y. Actuating device for counters. 1,867,762; July 19.

Roeser, Anton. (See Birtwistle, A. E., and Roeser.)

Roesner, Gerhard. (See von Girsewald, C., Weidmann, and Roesner.)

Roesner, Gerhard. (See Neumark, M., Weidmann, and Roesner.)

Roessler, Amandus C., Lakewood, Ohio, assignor to Romec Corporation, Beaver Falls, Pa. Fluid relief valve. 1,841,337; Jan. 12.

Roessler, Amandus C., Lakewood, Ohio, assignor to Romec Corporation, Beaver Falls, Pa. Reversible rotary pump. 1,849,567; Mar. 22.

Roessler, Amandus C., Lakewood, Ohio, assignor to The Rotary Machine & Engineering Company. Fuel pump. 1,889,517; Nov. 29.

Roessler & Hasslacher Chemical Company, The. (See Ainslie, Thomas D., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Bond, Hatha., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Cambron, Adrien, assignor.)

Roessler & Hasslacher Chemical Company, The. (See Carlisle, P. J., and Harris, assignors.)

Roessler and Hasslacher Chemical Company, The. (See Dodrovolny, Frank J., assignor.)

Roessler and Hasslacher Chemical Company, The. (See Harris, C. R., and Pitman, assignors.)

Roessler & Hasslacher Chemical Company, The. (See Macalhum, Alexander D., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Magill, Paul L., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Oplinger, Floyd F., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Rogers, Allen, assignor.)

Roessler & Hasslacher Chemical Company, The. (See Ryschkewitsch, Eugen, assignor.)

Roessler & Hasslacher Chemical Company, The. (See Storch, Henry H., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Walker, Frederic, assignor.)

Roessler & Hasslacher Chemical Company, The. (See Weston, Paul E., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Whitby, George S., assignor.)

Roessler & Hasslacher Chemical Company, The. (See Zisch, Walter, assignor.)

Roessner, William L., Denver, Colo. Fusible link. 1,875,661; Sept. 6.

Roessner, William L., Denver, Colo. Fire extinguisher. 1,889,344; Dec. 6.

Roessner, William L., assignor of one-third to E. Wheeler and one-third to V. C. Smedley, Denver, Colo. Fire extinguisher. 1,870,872; Aug. 9.

Roffey, Frank, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Storing acetylene. 1,863,501; June 14.

Rogacewicz, Julius, Detroit, Mich. Furnace tong. 1,882,934; Oct. 18.

Rogatchoff, Theodore, Baltimore, Md. Adjustable crosshead. 1,873,482; Aug. 23.

Rogatchoff, Theodore, Baltimore, Md. Crosshead adjuster. 1,873,483; Aug. 23.

Roger, George, jr., Congleton, assignor of one-half to Havannah Mills Co., Limited, Havannah, England. Electrical control of movable knives employed in pile cutting machines. 1,850,692; Mar. 22.

Rogers, Allen, Brooklyn, N. Y. Tanning. 1,841,633; Jan. 19.

Rogers, Allen, Brooklyn, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Tanning of fur skins. 1,845,341; Feb. 16.

Rogers, Allen, Brooklyn, assignor to The Barrett Company, New York, N. Y. 1,884,255; Oct. 25.

Rogers, Almerin E., Arlington, Calif. Nursing bottle. 1,863,283; June 14.

Rogers, Arthur B., Jonesport, Me. Fish cutting machine. 1,889,879; Dec. 6.

Rogers Bros. Corporation. (See Rogers, Russell J., assignor.)

Rogers, Charles A., Albion, Pa. Heavy duty high speed trailer. 1,887,042; Nov. 8.

Rogers, C. E., Company. (See Rogers, Charles E., assignor.)

Rogers, Charles E., assignor to C. E. Rogers Company, Detroit, Mich. Machine for extracting the juice of citrus fruits. 1,871,860; Aug. 16.

Rogers, Charles J., Chicago, Ill. Stove. Des. 86,409; Mar. 1.

Rogers, Charles J., Chicago, Ill. Combined stove and cabinet. Des. 86,410; Mar. 1.

Rogers, Clifford R., Los Angeles, E. H. Babel, Alhambra, and M. M. Brodersen, Monterey Park, Calif., assignors to Kiliefer Manufacturing Corporation. Tandem disk harrow. 1,877,592; Sept. 13.

Rogers, Clyde L. (See Barber, M. E., and Rogers.)

Rogers, Courtney C., Los Angeles, Calif. Fuel charge conditioning device. 1,844,298; Feb. 9.

Rogers, Cullen R., Graham, Texas. Electrical geological disturbance detector. 1,872,504; Aug. 16.

Rogers, Dexter M. (See O'Bryan, William G., assignor.)

Rogers, Donald G., Ogilvie, J., and Rogers, D.

Rogers, Donald G., Hamburg, J. Ogilvie, and J. H. Crowell, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Production of benzoyl-o-benzoic acid derivatives and anthraquinone bodies therefrom. 1,886,237; Nov. 1.

Rogers, Escur E. (See Skinner, L., assignor.)

Rogers, Francis C., and V. B. Gay, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire and method of making the same. 1,869,820; Aug. 2.

Rogers, Frank. (See Pickard, J. A., Rogers, and Mitchell.)

Rogers, George H., jr., Oak Park, Ill. Collapsible support for baby swings. 1,873,175; July 5.

Rogers, Harrison W., New York, N. Y. Synchronized sound and photography. 1,856,886; May 3.

Rogers, Harrison W., assignor to M. A. Schlesinger, New York, N. Y. Film control and guiding device for motion picture projectors. 1,860,330; May 24.

Rogers, Harry L., New York, N. Y. Humidor. 1,847,363; Mar. 1.

Rogers, Harry R., et al. (See Masterson, W. E., and Price, assignors.)

Rogers, Harry R., Denver, Colo. Lawn mower. 1,889,573; Nov. 29.

Rogers, Homer L., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Trunk conduit. 1,846,147; Feb. 23.

Rogers, Homer S., assignor to Milwaukee Air Power Pump Company, Milwaukee, Wis. Pneumatic pump. 1,863,941; June 21.

Rogers, Homer S., and R. Roddatz, assignors to Combustion Fuel Oil Burner Co., Milwaukee, Wis. Control for oil burning apparatus. 1,884,256; Oct. 25.

Rogers, James B., assignor to Steel Wool Pad Corporation, Chicago, Ill. Process and apparatus for producing abrasive articles. 1,854,486; Apr. 19.

Rogers, James F. (See Clark, E. F., and Rogers.)

Rogers, James F., Bay Village, Ohio. Lighter. 1,844,481; Feb. 9.

Rogers, James F., North Attleboro, Mass., assignor, by mesne assignments, to Art Metal Works, Inc., Newark, N. J. Cigar lighter. 1,872,340; Aug. 16.

Rogers, James F., North Attleboro, Mass., and E. F. Clark, Rangeley, Me., assignors, by mesne assignments, to Art Metal Works, Inc., Newark, N. J. Cigar lighter. 1,872,345; Aug. 16.

Rogers-Jenkins & Co. (Pty.) Ltd. (See De Villiers, Peter G. T., assignor.)

Rogers, John C. (See Rogers, W. F. and J. C.)
Rogers, John P., San Diego, Calif. Device for laying plastic pavements. 1,890,412; Dec. 6.
Rogers, Leonard M. (See Lindsjo, V., and Rogers.)
Rogers, Loro A. Washington, D. C., dedicated by assignment unto the Government and the People of the United States of America. Apparatus for the preservation of cheese. 1,842,363; Jan. 19.
Rogers, Lorilys E., Greenville, Miss., assignor to Wailes Dove-Hermiston Corporation, New York, N. Y. Device and method for coating pipe joints and pipes. 1,867,476; July 12.
Rogers, Louis F., assignor to Bon Manufacturing Corporation, Wilmington, Del. Collapsible tube. 1,877,534; Sept. 13.
Rogers Products Co. (See Albertine, Herman, assignor.)
Rogers Products Company. (See Albertine, Herman, assignor.)
Rogers Radio Tubes, Limited. (See Parker, Henry W., assignor.)
Rogers, Robert H., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for surveying wells. 1,851,774; Mar. 29.
Rogers, Roy R. (See Dial, F. E., and Rogers.)
Rogers, Russell J., assignor to Rogers Bros. Corporation, Albion, Pa. Semitrailer. 1,853,376; Apr. 12.
Rogers, Thomas H., Hammond, Ind., assignor to Standard Oil Company, Whiting, Ind. Colored wax and candle. 1,882,935; Oct. 18.
Rogers, Thomas J., Minneapolis, Minn. Sunken light for airplane fields. 1,853,321; Apr. 12.
Rogers, Walter F. (See McGary, S. U., Rogers, and Gill.)
Rogers, Walter P., Cicero, Ill. Automatic lighter for gas stoves. 1,879,992; Sept. 27.
Rogers, Walter F., Oak Park, assignor to Crown Stove Works, Cicero, Ill. Stove. Re18,439; Apr. 26.
Rogers, Walter F., Oak Park, assignor to Crown Stove Works, Cicero, Ill. Stove. Re18,465; May 17.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Stove. 1,847,025; Mar. 1.
Rogers, Walter F., assignor to Gulf Production Company, Houston, Tex. Apparatus for determining the vertical deviation of bore holes. 1,859,222; May 17.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Gas stove. 1,863,942; June 21.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Coal stove. 1,869,392; Aug. 2.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Damper and flue stop. 1,869,393; Aug. 2.
Rogers, Walter F. and J. C., assignors to Crown Stove Works, Cicero, Ill. Drawer construction for stoves. 1,865,216; June 28.
Rogers Warren E. (See Bunts, F. F., and Rogers.)
Rogers, Wilford, Logan, Utah. Roller screen for automobiles. 1,863,255; June 14.
Rogers, William C., Chicago, Ill. Safety razor blade. 1,869,912; Aug. 2.
Roggatz, Ernst. (See Dap, J., and Roggatz.)
Rogge, Bernard, Baltimore, Md., assignor to Harrington & King Perforating Company, Chicago, Ill. Grille panel. Des. 86,541; Mar. 15.
Rohde, Hugo V., Shorewood, assignor to Jos. Schlitz Beverage Company, Milwaukee, Wis. Apparatus for sterilizing food substances. 1,888,472; Nov. 22.
Rohde, Karl, Fluow, near Berlin, assignor to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Production of formic acid. 1,848,664; Mar. 8.
Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 1,852,265; Apr. 5.
Rohe, Louis H. F. (See Rohe, Samuel, assignor, and Pugh.)
Rohe, Samuel, and S. V. Pugh; said Rohe assignor of one-half of his right to L. H. F. Rohe, Mirando City, Tex. Weld-testing apparatus. 1,845,979; Feb. 16.
Röhl, Hans, assignor to Schwarzwalderzerke Lanz, G. m. b. H., Mannheim, Germany. Refrigerating apparatus. 1,861,979; June 7.
Rohland, Curt J., Seekonk, Mass., assignor, by mesne assignments, to Ira Guilden, New York, N. Y. Crystal cutting apparatus. 1,876,757; Sept. 13.
Rohlfs, Harry C., Schenectady, N. Y., assignor to General Electric Company. Cellulose resin product and its preparation. 1,866,372; July 5.
Rohlin, Karl W., Merchantville, assignor to Warren Webster and Company, Camden, N. J. Fluid controlling means. 1,880,213; Oct. 4.
Röhm & Haas Aktiengesellschaft. (See Bauer, Walter, assignor.)
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Hollander, C. S., and Del Plaine, assignors.)
Röhm & Haas Company. (See Luckhaus, Ernst, assignor.)
Röhm & Haas Company. (See Wm. Francis O., assignor.)
Röhm & Haas Company. (See Somerville, Ian C., assignor.)
Rohm, Josef, Wiener-Neustadt, Austria. Brake for railroad vehicles. 1,870,204; Aug. 2.
Röhm, Otto, Darmstadt, Germany. Egg yolk substitute for tanning. 1,891,363; Dec. 20.
Röhm, Otto, H. Fischer, and H. Hess, Darmstadt, Germany. Tanning process. 1,892,410; Dec. 27.
Rohn, Wilhelm J. P., Hanau-on-the-Main, Germany. Rolling mill. 1,858,788; May 17.
Rohne, Even J., Minneapolis, Minn. Waffle iron. Des. 86,883; Apr. 26.
Rohner, Jacob, A. G., the Firm. (See Keaiber, G., and Kuhnis, assignors.)
Rohr, Gustav, Oberramstadt, Germany. Automobile. 1,841,849; Jan. 19.
Rohr, Gustav, Oberramstadt, Germany. Automobile. 1,868,220; July 19.
Rohr, Mamie E. (See Thornhill, B., and Rohr.)
Rohrbach, Adolf, Berlin-Wilmersdorf, Germany, assignor to Rohrbach Patents Corporation. Monoplane. 1,865,904; July 5.
Rohrbach Patents Corporation. (See Rohrbach, Adolf, assignor.)
Rohrbaugwerk Gesellschaft mit beschrankter Haftung, Firm. (See Bohling, Rudolf H., assignor.)
Rohrdanz, Harold, Inglewood, Calif. Swivel electrical connecter. 1,872,629; Feb. 16.
Röhre, Kurt, and O. Hensler, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of alkali metal phosphates. 1,869,818; May 31.
Rohrer, Karl G. (See Steffan, J. F., and Rohrer.)
Rohrer, Bennett G. (See Pepler, Thomas, assignor.)
Rohrich, Harold A., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,856,620; Feb. 16.
Rohrich, Harold A., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,869,053; May 17.
Rohrig, Paul, Bellaire, N. Y., assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass. String winding device for bagging machines. 1,857,661; May 10.
Rohrig, Paul, Bellaire, N. Y., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Tea Bagging machine. 1,857,662; May 10.
Röhrl, Bruno. (See Goldhammer, L., and Röhrl.)
Rohwedder, Otto F., Davenport, assignor to Mac-Roh Sales & Mfg. Company, Bettendorf, Iowa. Feeding appliance for bread slicing machines. 1,850,604; Mar. 22.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Machine for slicing an entire loaf of bread at a single operation. 1,867,377; July 12.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Feeding appliance for bread slicing machines. 1,867,378; July 12.
Rohwer, Heinrich, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Prussia, Germany. Fuel feeding valve. 1,840,256; Jan. 5.
Roirant, Emile, assignor to Societe Anonyme d'Etudes et de Constructions d'Appareils Mecaniques pour la Verrerie, Paris, France. Machine for working glass. 1,873,788; Aug. 23.
Roirant, Emile, assignor to Societe Anonyme d'Etudes et de Constructions d'Appareils Mécaniques pour la Verrerie, Paris, France. Pushing glass bottles. 1,888,398; Nov. 22.
Rojahn, Frederick C., Brooklyn, N. Y. Baseball game device. 1,843,632; Feb. 2.
Rokoss, Stanley, Hazleton, Pa. Wing operating mechanism for aircraft. 1,859,172; May 17.
Rola Company, The. (See Engholm, Bernard A., assignor.)
Rola Company, The. (See Engholm, B. A., and Swent, assignors.)
Rolfs, Eugene L., Dallas, and C. W. Fuller, Houston, Tex., assignors to Johns-Manville Corporation, New York, N. Y. Pipe wrapping apparatus. 1,883,401; Oct. 18.
Rolfs, Harry J., Marrinette, assignor to Amity Leather Products Co., West Bend, Wis. Bill fold. 1,840,212; Jan. 5.
Rolfs Kohlen-Oxyd-Verbrenner Gesellschaft mit beschrankter Haftung. (See Greve, C. H., and Schwarz, assignors.)
Rolland, Guy F., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric ignition device. 1,856,431; May 3.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Die mechanism for tubular sheet metal articles. 1,839,501; Jan. 5.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet metal container. 1,869,348; July 26.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet metal container. 1,869,349; July 26.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Handle attaching device. 1,874,629; Aug. 30.
Rolle, Jacob W., and F. M. Plath, Philadelphia, Pa. Window frame. 1,882,260; Oct. 11.
Rolle, Karl, Newark, N. J., assignor to De Forest Radio Company, Jersey City, N. J. Manufacture of lead-in wires. 1,842,631; Jan. 26.
Roller, Frances W., St. Paul, Minn. Combination hose supporter and waist-encircling garment. 1,885,379; Nov. 1.
Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Wall switch. 1,860,054; May 24.
Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Electrical measuring instrument. 1,860,055; May 24.

Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Electrical measuring instrument. 1,860,056; May 24.

Roller, Louis H., White Plains, N. Y. Liquid level indicator and controller. 1,855,692; Apr. 26.

Roller-Smith Company. (See Roller, Frank W., assignor.)

Roller-Smith Company. (See Wood, Joseph D., assignor.)

Rollet, Pierre A. A. (See Hackspill, L., Claude, Andres, and Rollet.)

Rollhaus, Philip E., East Orange, N. J., and W. B. Stoddard, Stamford, Conn., assignors to Pilot Laboratory, Inc., Arlington, N. J. Bleaching methods and agent. 1,854,129; Apr. 19.

Rolling Screens, Inc. (See Weitzel, Edward J., assignor.)

Rollins Hosiery Mills. (See Cottrell, George E., assignor.)

Rollman, Michael A., Mount Joy, Pa. Electric sadiron. 1,840,849; Jan. 12.

Rollman, Michael A., Mount Joy, Pa. Jar cover. 1,858,342; May 17.

Rollman, Michael A., Mount Joy, Pa. Electric sadiron. 1,863,284; June 14.

Rollman, Michael A., assignor to New Standard Corporation, Mount Joy, Pa. Ice cream freezer. 1,867,953; July 19.

Rollo, Walter R., assignor to American La France and Foamite Corporation, Utica, N. Y. Fire extinguisher. 1,887,217; Nov. 8.

Rollo, Walter R., Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire extinguisher. 1,859,843; May 24.

Rolls Royce Limited. (See Day, Bernard I., assignor.)

Rolls-Royce Limited. (See Fage, James B., assignor.)

Rolls Royce Limited. (See Evernden, Harold I. F., assignor.)

Rolls Royce Limited. (See Hall, H. C., and Bradbury, assignors.)

Rolls Royce Limited. (See Royce, Frederick H., assignor.)

Rolls Royce of America, Inc. (See Beck, C., and Burton, assignors.)

Rollway Bearing Company. (See Swart, C. A., and Evans.)

Roloson, Earl. (See Kattau, H., and Roloson.)

Rolscreen Company. (See Dixson, Harry, assignor.)

Rolshoven, Eduard. Uetersen, Germany. Rail joint. 1,859,472; May 24.

Rolstad, Melvin, Worthington, Minn. Suction operated hair clipper. 1,841,634; Jan. 19.

Rolston, Kenneth P., assignor to Exhibitors Program Co., Pittsburgh, Pa. Vending press. 1,844,073; Feb. 9.

Rölz, Alois, Aarberg, Switzerland. Process and apparatus for increasing the efficiency of mash tubs for massecuite and the like. 1,851,113; Mar. 29.

Roman, Richard F., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 1,861,720; June 7.

Roman, Irwin, West Orange, N. J., assignor to Geophysical Research Corporation, New York, N. Y. Method and apparatus for surveying bore holes. 1,877,593; Sept. 13.

Romander, Hugo, Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio transmitting system. 1,873,043; Aug. 23.

Romano, Michael, Providence, R. I. Windshield cleaner structure. 1,873,907; Aug. 23.

Romano, Michaël, Providence, R. I., and C. N. Colstad, Attleboro, Mass.; said Colstad assignor to said Romano. Windshield cleaner device. 1,872,095; Aug. 16.

Romberg, Conrad J. (See Buebler, L., jr., and Romberg.)

Romberg, Heinrich, and H. Schuler, Dusseldorf, assignors to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Firearm. 1,864,374; June 21.

Rombough, John B., Niagara Falls, N. Y. Mouth clamp. 1,875,158; Aug. 30.

Rome Company, The. (See Barnard, Dean S., assignor.)

Rome Company, The. (See Barnard, D. S., and Empacher, assignors.)

Rome Company, The. (See Douglass, Napoleon B., assignor.)

Rome Company, The. (See Korney, Roman, assignor.)

Rome Company, The. (See Pittoni, Louis E., assignor.)

Rome Company, The. (See Thomas, Joseph R., assignor.)

Rome Company, The. (See White, Marmaduke H., assignor.)

Romec Corporation. (See Roessler, Amandus C., assignor.)

Romec Pump Company. (See Krugman, Arnold H., assignor.)

Romeiser, Ernest G., Union City, Ind. Electric wire conduit. 1,843,835; Feb. 2.

Romeiser, Ernest G., Union City, Ind. Electric wire conduit. 1,843,836; Feb. 2.

Romeiser, Ernest G., Union City, Ind. Electric wire conduit. 1,843,837; Feb. 2.

Romera, Manuel, assignor of one-third to E. Guiriato and one-third to E. Guiriato, Castroville, Calif. Combination agricultural implement. 1,846,459; Feb. 23.

Romera, Manuel, assignor of one-third to E. Guiriato, and one-third to E. Guiriato, Castroville, Calif. Automatic fertilizer distributing apparatus. 1,868,588; July 26.

Romero, Cirilo L., New York, N. Y. Vehicle wheel 1,842,918; Jan. 26.

Römhild, Edgar, Berlin-Steglitz, Germany, assignor to General Electric Company. Cathode structure. 1,890,339; Dec. 6.

Romieux, Charles J. (See Novotny, E. E., and Romieux.)

Romieux, Charles J., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Fumigating composition. 1,856,657; May 3.

Romieux, Charles J., Elizabeth, and L. J. Christmann, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. Rubber accelerator and using the same. 1,867,631; July 19.

Romig, Eugen, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the tartrazine series. 1,860,478; May 31.

Romine, Clarence A., Plymouth, Ind. Stone box for suction pumps. 1,841,209; Jan. 12.

Romine, Oliver P. (See Potts, L. C., and Romine.)

Romine, Robert T., Mount Clemens, Mich., assignor to Material Handling Inc., Wilmington, Del. Shipping metal. 1,849,692; Mar. 15.

Romine, Robert T., Mount Clemens, Mich., assignor to Material Handling, Inc., Wilmington, Del. Method and apparatus for shipping metal. 1,876,758; Sept. 13.

Romine, Robert T., Mount Clemens, Mich., assignor to Material Handling, Inc., Wilmington, Del. Apparatus for handling material. 1,876,759; Sept. 13.

Romme, Robert T. (See Gray, E. J., and Hoyos, assignors.)

Romort Manufacturing Company. (See Ewald, Arno A., assignor.)

Ronan, Austin H. (See Sklenar, W. F., and Ronan.)

Ronan, Kenneth M., Wayne, Mich., assignor to Manning & Co., Chicago, Ill. Stream line boot for airplanes. 1,852,129; Apr. 5.

Ronan, Kenneth M., Wayne, Mich., assignor to Manning & Co., Chicago, Ill. Tube end connection. 1,882,673; Oct. 18.

Ronan, Kenneth M., Wayne, Mich., assignor to Manning & Co., Chicago, Ill. Chair. 1,885,630; Nov. 1.

Ronceray, Eugène, Paris, assignor to Societe Anonyme des Etablissements Ph. Bonvillain & E. Ronceray, Choisy-le-Roy, Seine, France. Foundry sand rubbing machine. 1,845,180; Feb. 16.

Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,859,306; Oct. 24.

Ronk, Albert T., and A. J. Overholt, assignors to The Peabody Seating Company, North Manchester, Ind. Chair. 1,884,257; Oct. 25.

Ronk, George T., Cedar Rapids, Iowa. Railroad track construction. 1,854,487; Apr. 19.

Ronk, George T. Cedar Rapids, Iowa. Tractor tread. 1,873,506; Dec. 20.

Ronning, Adolph, et al. (See Ronning, Andrean G. and A.)

Ronning, Adolph, Minneapolis, Minn. Ellipsograph. 1,877,305; Aug. 16.

Ronning, Adolph, Minneapolis, Minn. Road maintainer. 1,883,404; Oct. 18.

Ronning, Adolph, Minneapolis, Minn. Ventilator. 1,883,406; Oct. 18.

Ronning, Adolph, Minneapolis, Minn. Extension frame for tractors. 1,883,407; Oct. 18.

Ronning, Adolph, and A. G. Ronning, deceased, by A. Ronning and J. A. Ronning, Minneapolis, Minn, executors. Road machine. 1,883,403; Oct. 18.

Ronning, Adolph, and A. G. Ronning, deceased, by A. Ronning and J. A. Ronning, executors, assignors, by mesne assignments, to A. Ronning, and A. Ronning and J. A. Ronning, trustees, Minneapolis, Minn. Tractor structure. 1,883,405; Oct. 18.

Ronning, Andrean G. (See Ronning, Adolph and A. G.)

Ronning, Andrean G., deceased, and A. Ronning, Minneapolis, Minn.; J. A. Ronning and A. Ronning, executors of the estate of Andrean G. Ronning. Harvesting machine. 1,883,402; Oct. 18.

Ronning, Jacob A., et al. (See Ronning, Andrean G. and A.)

Ronstrom, Thomas A., Chicago, Ill. Gas burning heater. 1,878,427; Sept. 20.

Rood, Clarence J., Fergus Falls, Minn. Friction clutch. 1,844,837; Feb. 9.

Rood, Warren B., Detroit, Mich. assignor to Herron-Zimmers Moulding Company. Medallion frame for radiator guards. 1,841,675; Jan. 19.

Rooder, Irwin G., Brooklyn, N. Y. Fuse. 1,875,161; Aug. 30.

Rook, Joseph V., Moline, Ill. Brake lever control for gasoline supply. 1,848,201; Mar. 8.

Rooker, William A., and V. E. Speas, assignors to Speas Mfg. Co., Kansas City, Mo. Production of jelly like food products. 1,842,768; Jan. 26.

Rooker, William A., and V. E. Speas, assignors to Speas Mfg. Co., Kansas City, Mo. Making jams, jellies, and kindred products. 1,858,374; May 17.

Rooker, William A., and V. E. Speas, assignors to Speas Mfg. Co., Kansas City, Mo. Fruit product. 1,870,588; Aug. 9.

Rooks, N. B. (See Wilson, Orkney P., assignor.)

Rooks, Nolan B. (See Wilson, O. P. (assignor), and Rooks.)

Rookstool, Omer V., McCracken, Kans. Incubator. 1,890,236; Dec. 6.

Rooney, Marion, Emeryville, Calif. Cigarette holder. Des. 87,318; July 5.
Rooney, Hugh K. (See Rooney, Hugh and H. K.)
Rooney, Hugh, and H. K., Muskogee, Okla. Locomotive draft appliance. 1,844,439; Feb. 9.
Roos, Albert E., Dunbar, Nebr. Wire fence. 1,874,121; Aug. 30.
Roos, Alphonse, Los Angeles, Calif. Self massage apparatus. 1,864,258; June 21.
Roos, August, Lubeck, Germany. Autographic register. 1,840,976; Jan. 12.
Roos, Axel H., Chico, assignor to A. Freed, San Francisco, Calif., trustee. Portable sander and polisher. 1,868,507; July 26.
Roos, Axel H., Chico, and H. J. Riddle, San Leandro, assignor to A. Freed, trustee, San Francisco, Calif. Universal sander and polisher. 1,861,940; June 7.
Roos, Carlisle E., assignor to United States Gypsum Company, Chicago, Ill. Acoustic plaster. 1,871,806; Aug. 16.
Roos, Henry W., Cincinnati, Ohio. Clamp for concrete forms. 1,852,823; Apr. 5.
Roos, Henry W., Cincinnati, Ohio. Shore. 1,867,233; July 12.
Roos, Henry W., Cincinnati, Ohio. Adjustable shore. 1,888,738; Nov. 22.
Roos, Henry W., Cincinnati, Ohio. Apparatus for laying Concrete floors. 1,891,557; Dec. 20.
Roos, Wendel V., New York, N. Y. Opening and closing device for collapsible tubes. 1,865,484; July 5.
Roosen, Richard. (See Hayn, Georg, assignor.)
Roosen, Richard, assignor to Stug Kohlenstaubfeuerung Patentverwertung G. m. b. H., Kassel, Germany. Cleaning device for pulverized fuel furnace. 1,867,101; July 12.
Roosen, Richard, assignor, to Stug Kohlenstaubfeuerung Patentverwertung G. m. b. H., Kassel, Germany. Pulverized fuel furnace. 1,887,891; Nov. 15.
Root, A. I. Company, The. (See Hope, Earl W., assignor.)
Root, A. I., Company, The. (See Root, Huber H., assignor.)
Root, Bertvell C., assignor to Brown Company, Berlin, N. H. Method of and apparatus for forming articles of pulp. 1,882,937; Oct. 18.
Root, Carl H., Detroit, Mich. Automatic air temperature control. 1,864,264; June 21.
Root, Chapman J., Terre Haute, Ind. Bottle. Des. 86,746; Apr. 12.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet feeding mechanism for printing presses. Re18,383; Mar. 15.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Automatic press feeding mechanism. 1,841,632; Jan. 19.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet feeding mechanism for printing presses. 1,849,313; Mar. 15.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet transferring mechanism for printing presses. 1,849,314; Mar. 15.
Root, Charles, F., assignor to The Chandler & Price Company, Cleveland, Ohio. Feeding mechanism for printing presses. 1,849,315; Mar. 15.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet transferring mechanism for printing presses. 1,884,258; Oct. 25.
Root, Frank B., East Orange, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Panel. Des. 88,081; Oct. 18.
Root, Frank B., East Orange, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Ornamental finish. 1,864,704; June 28.
Root, Frank B., East Orange, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Wrinkle finish coating. 1,883,408; Oct. 18.
Root, Frank P., York, Pa., assignor, by mesne assignments, to Oakes Products Corporation. Tire lock assembly. 1,854,488; Apr. 19.
Root, Frederick J., Ridgewood, assignor, by mesne assignments, to Sipp Eastwood Corporation, Paterson, N. J. Winding machine. 1,849,693; Mar. 15.
Root, Harry D., assignor of one-third to Arthur C. Haller, Buffalo, N. Y. Cutting grooves in bushings. 1,872,817; Aug. 23.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Candle and method relating thereto. Re18,623; Oct. 18.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Comb uncapping apparatus. 1,861,939; June 7.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Candle and method relating thereto. 1,863,416; June 14.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Candle and method relating thereto. 1,867,420; July 12.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Comb foundation. 1,882,938; Oct. 18.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Folding table. 1,882,939; Oct. 18.
Root, John W., et al. (See Reader, Julius F., assignor.)
Root, Percy H., assignor to The Fate-Root-Heath Company, Plymouth, Ohio. Lawn mower sharpening machine. 1,888,572; Nov. 22.
Root Spring Scraper Company. (See Weeks, Ernest A., assignor.)
Rooze, Peter, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,858,865; May 17.
Roper, Denney W. (See Miller, K. W., and Roper.)
Roper, Denney W., Chicago, Ill. Differential method of indicating trouble on an oil filled cable. 1,853,882; Apr. 12.
Roper, Denney W., Chicago, Ill. Differential indicating means. 1,853,883; Apr. 12.
Roper, Denney W., Chicago, Ill. Impregnated paper insulated, lead covered cable. 1,872,818; Aug. 23.
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Roper, Geo. D., Corporation. (See Hollman, Peter I., assignor.)
Roper, Geo. D., Corporation. (See Wemple, Merritt, C., assignor.)
Roraback, Claude, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Tractor link. 1,872,819; Aug. 23.
Roraback, Claude, assignor, to American Manganese Steel Company, Chicago Heights, Ill. Closing chain. 1,872,820; Aug. 23.
Rorrer, Charles E. and A. R. Mitterer, assignors to Stadium Stores, Inc., Denver, Colo. Store. 1,873,852; Aug. 23.
Rorrer, Charles E., and A. R. Mitterer, Denver, Colo. Apparatus and method for refrigeration. 1,889,499; Nov. 29.
Ros Casabiancas, Rosa, Tarrasa, Spain. Machine for the manufacture of wire netting with hexagonal meshes of variable width. 1,868,968; July 26.
Rosaire, Esme E., Houston, Tex., assignor to Geophysical Research Corporation, New York, N. Y. Determining the straightness of drill holes in the earth. Re18,565; Aug. 9.
Rosander, Albert P., Forest Park, and F. P. Tikalsky, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for actuating the cores of a die casting machine. 1,862,551; June 14.
Rosander, Albert P., Forest Park, and F. P. Tikalsky, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Die casting machine. 1,862,940; Oct. 18.
Rosander, Axel E., and Oscar D. Schvartz, Cincinnati, Ohio. Meat tenderer. 1,887,892; Nov. 15.
Rosat, Charles, deceased, Boudry, O. Moser, Bern, and P. Reymond, Colombier, Switzerland; Rose-Lucy Rosat, née Böle, administratrix. Electric adjusting device for the hands of clock mechanisms. 1,885,858; Nov. 1.
Rosat, Rose-Lucy, née Böle, administratrix. (See Rosat, Charles.
Rosatelli, Celestino, assignor to Fiat Società Anonima, Turin, Italy. Antilocking brake for aeroplane wheels. 1,864,694; June 28.
Rosatelli, Celestino, assignor to Fiat Società Anonima, Turin, Italy. Triangular plane girder for aeroplanes. 1,889,294; Nov. 29.
Rosatelli, Celestino, assignor to Fiat Società Anonima, Turin, Italy. Differential and simultaneous control for the engines of multiple engine machines. 1,889,295; Nov. 29.
Rosberg, John E., assignor of one-half to Tiedemann & Harris, Inc., San Francisco, Calif. Apparatus for curing meats. 1,858,600; May 17.
Rosberg, John E., San Francisco, Calif. Apparatus for treating meats. 1,888,612; Nov. 22.
Rösch, Georg. (See Bauer, W., Haller, and Bösch.)
Rösch, Georg, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series. 1,880,490; Oct. 4.
Roscia, Joseph, Brooklyn, N. Y. Window shade. 1,847,900; Mar. 1.
Rosco Manufacturing Company, The. (See Cederstrom, Harold A., assignor.)
Rose, Alexander D., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Thermometer. 1,875,889; Sept. 6.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Machine for making packages. 1,851,870; Mar. 29.
Rose, Alfred G., Lincoln, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machine or the like. 1,861,510; June 7.
Rose, Alfred G., assignor of one half to R. Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for closing the ends of cartons or like receptacles. 1,881,133; Oct. 4.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Machine for packing articles into boxes. 1,886,122; Nov. 1.
Rose, Alonzo N., Yonkers, N. Y. Hinge. 1,862,432; June 7.
Rose, Anton J., Cleveland, Ohio. Ball for fence posts, poles, etc. 1,851,404; Mar. 29.
Rose, Bennie A. (See Ross, M. D., and Rose.)

Rose, Bennie A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fastening retaining rings on turbogenerator rotors. 1,890,340; Dec. 6.

Rose, Bert R. (See Rose, M. C., B. R., and H. L.)

Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)

Rose, Charles F. P., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 1,849,171; Mar. 8.

Rose, Charles M., Louisville, Ky. Animal bed construction. 1,890,163; Dec. 6.

Rose, Chester E., Parlin, N. J., assignor to Du Pont Film Manufacturing Corporaton, New York, N. Y. Film pack. 1,846,759; Feb. 23.

Rose, Edwin L., Cambridge, Mass., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Door operating mechanism. 1,881,016; Oct. 4.

Rose, George H., Cleveland Heights, Ohio. Conveyer. 1,865,337; June 28.

Rose, Harold D., Valley Stream, assignor to Model Brassiere Co. Inc., Brooklyn, N. Y. Detachable hose supporter. 1,849,793; Mar. 15.

Rose, Harold D., Valley Stream, assignor to Model Brassiere Co. Inc., New York, N. Y. Brassière. 1,886,742; Nov. 8.

Rose, Harold J., Penn Township, Allegheny County, Pa., assignor to The Koppers Company. Treatment of liquid containing tar acid. 1,840,977; Jan. 12.

Rose, Harold J., Penn Township, Allegheny County, Pa., and W. H. Hill, New York, N. Y., assignors to The Koppers Company. Apparatus for softening box toe stiffeners. 1,892,079; Dec. 27.

Rose, Harold J., Penn Township, Allegheny County, Pa., and W. H. Hill, Arlington, N. J., assignors to The Koppers Company of Delaware. Composition of matter and preparing the same. 1,875,502; Sept. 6.

Rose, Harry, assignor to Tropic-Aire, Inc., Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,853,322; Apr. 12.

Rose, Harry F., assignor to The Adams Mfg. Co., Inc., New York, N. Y., apparatus for softening box toe stiffeners. 1,892,079; Dec. 27.

Rose, Harry F., assignor to The Adams Mfg. Co., Inc., New York, N. Y. Mailing card. 1,892,080; Dec. 27.

Rose, Henry, Chicago, Ill. Drinking glass. Des. 88,258; Nov. 8.

Rose, Henry L. (See Rose, M. C., B. R., and H. L.)

Rose, Herbert S., Chicago, Ill. Warm air register. 1,843,243; Feb. 2.

Rose, Jess C., Los Angeles, Calif. Film stabilizer for sound picture projectors. 1,841,382; Jan. 19.

Rose, John, Atlantic City, N. J. Umbrella runner and tip cup. 1,878,428; Sept. 20.

Rose, J. J. (See Shoemaker, F. G., and Rose.)

Rose, Joseph, Victoria, British Columbia, Canada. Vending machine. 1,859,635; May 24.

Rose, Lamar, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Hospital table. 1,867,763; July 13.

Rose, Lewis D. (See Furlow, W. D., and Rose.)

Rose, Manuel F., Alameda, Calif. Order indicator. 1,892,163; Dec. 27.

Rose, Merritt L., B. R., and H. L., Parma, Idaho. Sorter. 1,871,471; Aug. 16.

Rose, Paul A., Easton, Md. Portable humidifier. Des. 86,332; Feb. 23.

Rose, Reed P. (See Esselen, G. J., jr., and Rose.)

Rose, Reed P., Jackson Heights, N. Y., and H. E. Cude, South Manchester, Conn., assignors to General Rubber Company, New York, N. Y. Manufacturing sheet material and product obtained thereby. 1,839,996; Jan. 5.

Rose, Reed P., and A. F. Owen, Jackson Heights, N. Y., assignors to The Mechanical Rubber Company, Cleveland, Ohio. Making fiber-rubber material. 1,843,581; Feb. 2.

Rose, Warren A., assignor of one-fourth to T. O. Boyd, Long Beach, Calif., and one-fourth to D. M. Carter, Chicago, Ill. Pipe joint coupling device. 1,884,874; Oct. 25.

Rose, William H., Jersey City, N. J. Container closure. 1,840,530; Jan. 12.

Rose, Wm. S., Arlington Ridge, Va. Flashing for roofs. 1,884,259; Oct. 25.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 86,140; Feb. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 86,141; Feb. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 86,142; Feb. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 87,485; Aug. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 87,486; Aug. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 87,487; Aug. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 87,488; Aug. 2.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 87,594; Aug. 16.

Rosebrook, Guy L., Roselle Park, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Service building. Des. 87,645; Aug. 23.

Rosebrook, Guy L., Oakland, Calif., assignor, by direct and mesne assignments, to Standard Oil Development Company. Servicing apparatus for wheeled vehicles. 1,864,944; June 28.

Rosebush, Waldo E., Millwood, Wash. Log loading appa ratus. 1,890,413; Dec. 6.

Rosebv, Philip N., assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Magnet core. 1,850,181; Mar. 22.

Rosebv, Philip N., assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Magnet core. 1,878,713; Sept. 20.

Rosecrants, Helene, St. Joseph, Mich. Music builder. 1,882,941; Oct. 18.

Rosedale Foundry & Machine Company. (See Holt, Harris B., assignor.)

Rosefield Development Corporation. (See Hey, Edmund A., assignor.)

Roselle, Walter A., New York, N. Y. Valve cap for containers, etc. Des. 86,272; Feb. 16.

Roselle, Walter A., New York, N. Y. Valve cap for containers, etc. Des. 86,273; Feb. 16.

Roselle, Walter A., New York, N. Y. Collapsible tube closure. 1,851,065; Mar. 29.

Roseman, Leo, Newark, N. J. Tape winding apparatus. 1,850,626; July 15.

Roseman, Leo, Newark, N. J. Sewing machine for stitching over fastener means. 1,892,164; Dec. 27.

Rosenau, Oscar E., Pittsburgh, Pa., assignor to National Electric Products Corporation, New York, N. Y. Fitting and reducer adapter therefor. 1,880,107; Sept. 27.

Rosenau, Otto (See Rosenau Witke, A., Huetten, Rosemann, Molling, and Martell.)

Rosen, Gotthard, Paris, France, assignor to La Cellulose Rosen, Societe Anonyme, Luxemburg, Luxemburg. Preparing resinous wood for digestion by the bisulphite process. 1,857,695; May 10.

Rosen, Hyman A., Baltimore, Md. Indicator and reminder. 1,861,137; May 31.

Rosen, Jessel. (See Parsons, C. A., and Rosen.)

Rosen, Louis, Jacksonville, Fla. Collar stiffener and needle supporter. 1,881,070; Apr. 19.

Rosen, Oscar, Detroit, Mich. Compressor. 1,844,181; Feb. 9.

Rosen, Oscar E., assignor of one-third to A. S. Johnson and one-third to C. A. Johnson, Detroit, Mich. Hydraulic transmission. 1,852,335; Apr. 5.

Rosen, Samuel, Providence. Display package for edibles and the like. 1,879,952; Sept. 27.

Rosenbaum, Abraham, Boston, Mass. Safety razor. 1,875,265; Aug. 30.

Rosenbaum, Lester F., assignor to Kalamazoo Paint Company, Kalamazoo, Mich. Bifurcated outer garment. Des. 86,274; Feb. 16.

Rosenbaum, Lester F., assignor to Sam Rosenbaum Sons & Company, Kalamazoo, Mich. Trousers. 1,860,433; May 31.

Rosenbaum, Rudolph R., Chicago, Ill. Motor fuel and producing process. 1,841,254; Jan. 12.

Rosenbaum, Rudolph R., Chicago, Ill. Lubricant. 1,860,622; May 31.

Rosenbaum, Sam, Sons & Company. (See Rosenbaum, Lester F., assignor.)

Rosenbaum, Wilhelm, Kiel, Germany. Electric lock. 1,851,474; June 21.

Rosenberg Bros. & Co. (See Eaton, Frederick M., assignor.)

Rosenberg, Edgar D., San Francisco, assignor of one-half to Raphael Sampson, Oakland, Calif. Ice cube remover. 1,852,064; Apr. 5.

Rosenberg, Edwin C., Milwaukee, Wis. Brush. 1,889,182; Nov. 29.

Rosenberg, Emanuel, Weiz, Austria. Device for mechanically-operated welding. 1,869,079; July 26.

Rosenberg, Emanuel, Weiz, Austria. Device for connecting and switching the windings of dynamos. 1,882,162; Oct. 11.

Rosenberg, Frederick, Kew Gardens, N. Y., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,320; Nov. 15.

Rosenberg, Frederick, Kew Gardens, N. Y., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,321; Nov. 15.

Rosenberg, Frederick, Kew Gardens, N. Y., assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,322; Nov. 15.

Rosenberg, George, New York, N. Y. Easel. 1,847,138; Mar. 1.

Rosenberg, Gordon W., Philadelphia, Pa. Breeches. 1,863,502; June 14.

Rosenberg, Heyman, New York, N. Y. Screw bolt or similar article. Des. 87,595; Aug. 16.

Rosenberg, Heyman, New York, N. Y. Building structure. 1,844,823; Feb. 9.

Rosenberg, Heyman, New York, N. Y. Screw bolt or similar article. Des. 88,175; Nov. 1.

Rosenberg, Heyman, New York, N. Y. Screw bolt or similar article. Des. 88,176; Nov. 1.
Rosenberg, Heyman, New York, N. Y. Hardening apparatus for metal work. 1,874,122; Aug. 30.
Rosenberg, Heyman, New York, N. Y. Damper apparatus. 1,885,545; Nov. 1.
Roseuberg, Ignaz. (See Cattaneo, G., Edeleanu, Hess, Jodeck, and Rosenberg.)
Rosenberg, Louis F., Providence, R. I. Practice golf ball. 1,862,708; June 14.
Rosenberg, Maurice J., Baltimore, Md. Combination gymnasium suit and wearing apparel. 1,839,701; Nov. 29.
Rosenberg, Ralph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Forming universal joints. 1,865,102; July 19.
Rosenberg, Samuel, Brooklyn, N. Y. Depilatory apparatus. 1,853,638; Apr. 12.
Rosenberg, Sandor, New York, N. Y. Flying machine. 1,869,867; Aug. 2.
Rosenberger, Frederick B., Belmont, and R. I. Reynolds, Somerville, Mass. Barometer dial. Des. 86,059; Jan. 19.
Rosenberger, Harold J., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Intercoupling circuit for submarine cable operation. 1,873,044; Aug. 23.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Hopper feed. 1,843,460; Feb. 2.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Sand blasting method and apparatus. 1,890,564; Dec. 13.
Rosenberry, Ray P., assignor to The Silver King Hydraulic Jack Company, Cleveland, Ohio. Hydraulic jack. 1,876,021; Sept. 6.
Rosenberry, Ray P., assignor to The Silver King Hydraulic Jack Company, Cleveland, Ohio. Hydraulic jack 1,876,024; Sept. 6.
Rosenblad, Curt, Stockholm, Sweden. Utilization of excess steam and hot gases. 1,886,590; Nov. 8.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 86,333; Feb. 23.
Rosenblatt, Samuel, Brighton, assignor to Surgical Dressings, Inc., Boston, Mass. Surgical wrapping or dressing. 1,885,007; Oct. 25.
Rosenblatt, Samuel, Brighton, assignor to Surgical Dressings, Inc., Jamaica Plain, Mass. Producing a wrapping, dressing, or similar article. 1,885,008; Oct. 25.
Rosenblum, Marcus, Los Angeles, Calif. Direction indicator for vehicles. 1,865,338; June 28.
Rosenbluth, Ethel Wallingford, Pa. Plant labeling device. 1,869,913; Aug. 2.
Rosenbluth, Joseph, Camden, N. J., assignor to American Cigar Company, New York, N. Y. Guard for cigar makers' benches. 1,848,384; Mar. 8.
Rosenburg, Robert. (See Brinck, Harry O., assignor.)
Rosenburgh, Durwood D., assignor to Taylor Instrument Companies, Rochester, N. Y. Capillary fluid transmission system. 1,889,792; Dec. 6.
Rosencrants, Fay H., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Universal joint. 1,870,025; Aug. 2.
Rosendahl, Charles E., Washington, D. C. Mooring mast. 1,865,790; July 5.
Rosendahl, Harold R., assignor to Waters-Genter Company, Minneapolis, Minn. Drawer lock. 1,845,335; Feb. 16.
Rosendorf, Samuel S. (See Selden, Louis P., assignor.)
Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Apparatus for handling sheets. 1,846,612; Feb. 23.
Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Coupling. 1,869,780; Aug. 2.
Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Apparatus for handling sheets. 1,876,171; Sept. 6.
Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Pipe wrapping machine. 1,876,760; Sept. 13.
Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Festooning apparatus. 1,876,761; Sept. 13.
Rosener, Leland S., assignor to Independent Smelting and Refining Co., San Francisco, Calif. Handling ingots. 1,877,535; Sept. 13.
Rosener, Leland S., J. M. Smith, and E. L. Chaffe, assignors to The Paraffine Lumber Company, San Francisco, Calif. Swing cut-off saw apparatus. 1,856,169; May 3.
Rosenfeld, Joseph, New York, N. Y. Doll. Des. 87,130; June 9.
Rosenfeld, Joseph E., assignor to Badger Equipment Company, Omaha, Nebr. Combined grain and roughage mill. 1,889,183; Nov. 29.
Rosenfeld, Louis. (See Feldmeier, H., and Rosenfeld.)
Rosenfeld, Louis, Baltimore, Md., assignor to Cherry-Burrell Corporation, Wilmington, Del. Antisplash device for liquid strainers. 1,863,805; June 21.
Rosenfeld, Max L. (See Morgan, John H., assignor.)
Rosenfeld, Max L., and J. H. Morgan, San Francisco, Calif.; said Morgan assignor to said Rosenfeld. Safety stop; said Morgan assignor to said Rosenfeld. Safety stop for motor vehicles. 1,877,976; Sept. 20.
Rosenfeld, Sara, Chicago, Ill. Overshoe. 1,843,406; Feb. 2.
Rosenfelt, Samuel D., St. Louis, Mo., assignor to Franklin Railway Supply Company, New York, N. Y. Door mechanism. 1,878,892; Sept. 20.
Rosenfield, Joseph L., Alameda, Calif. Heat sealed coffee, peanuts, and other such products, that are usually roasted to bring out their flavors, and producing same. 1,850,971; Mar. 22.
Rosenfield, William B., executor. (See Goodman, Glen W.)
Rosengvist, Gunnar, Pittsburgh, Pa. Joining preformed metallic articles with a galvanoplastic body. 1,882,522; Oct. 11.
Rosenhahn, Carl, Hillside, N. J. Punching bag apparatus. 1,890,696; Dec. 13.
Rosenkranz, Max, Library, and S. Webb, Pittsburgh, Pa., assignor to National Tube Company. Pipe threading machine. 1,884,260; Oct. 25.
Rosenmund, Alfred L. (See Igleheart, G. P., and Rosenmund.)
Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Box and crate. 1,845,194; Feb. 16.
Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Box and crate. 1,847,851; Mar. 1.
Rosenqvist, Gunnar, Pittsburgh, Pa. Making molds. 1,850,141; Mar. 22.
Rosenqvist, Gunnar, Pittsburgh, Pa. Making caskets by galvanoplastic process. 1,853,700; Apr. 12.
Rosenqvist, Gunnar, Pittsburgh, Pa. Casket. 1,853,747; Apr. 12.
Rosenstein, Aaron, New York, N. Y. Textile fabric. Des. 87,888; Oct. 4.
Rosenstein, Aaron, New York, N. Y. Textile fabric. Des. 87,889; Oct. 4.
Rosenstein, Aaron, New York, N. Y. Pillow cover or the like. Des. 87,980. Oct. 18.
Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Tertiary xanthates. 1,854,525; Apr. 19.
Rosenstein, Ludwig, assignor to Great Western Electro-Chemical Company, San Francisco, Calif. Producing alkali metal xanthates. 1,872,261; Aug. 23.
Rosenstein, Ludwig, and W. J. Hund, San Francisco, Calif. Esterification process and product. 1,851,405; Mar. 29.
Rosenstein, Ludwig, San Francisco, and K. G. Bell, Bartlett, assignors to Pacific Alkali Company, Los Angeles, Calif. Recovery of sodium carbonate from brine. 1,869,621; Aug. 2.
Rosenstein, Ludwig, and W. J. Hund, San Francisco, Calif. Refining vegetable oils. 1,885,859; Nov. 1.
Rosenstiel, Ralph B., Freeport, Ill. Shotgun. 1,858,560; May 17.
Rosenthal, Arthur, Grand Rapids, Mich. Automatic label printing, cutting, folding, and packing machine. 1,870,424; Aug. 9.
Rosenthal, August, assignor to Rosenthal Manufacturing Company, West Allis, Wis. Conveyer for corn huskers. 1,886,905; Nov. 8.
Rosenthal, August, Wauwatosa, assignor to Rosenthal Manufacturing Company, West Allis, Wis. Stacker attachment for corn huskers. 1,886,906; Nov. 8.
Rosenthal, Benjamin, New York, N. Y. Advertising device. 1,854,225; Apr. 19.
Rosenthal China Corporation, The. (See Hallgren, Arthur G., assignor.)
Rosenthal China Corporation, The. (See Phillips, John E., assignor.)
Rosenthal China Corporation, The. (See Wesp, George, assignor.)
Rosenthal Company, The. (See Pink, Berry, assignor.)
Rosenthal, Frank, San Francisco, Calif. Stropping and honing razor. 1,845,559; Feb. 16.
Rosenthal, Frank, San Francisco, Calif. Manicure device. 1,846,613; Feb. 23.
Rosenthal, Henry, assignor to Columbia Engineering & Management Corporation, New York, N. Y. Extraction of oils. 1,849,886; Mar. 15.
Rosenthal, Henry, assignor to Columbia Engineering & Management Corporation, New York, N. Y. Manufacture of gas. 1,853,084; Apr. 12.
Rosenthal, Jack, Brooklyn, N. Y., assignor to Henry Ledever & Bro., Inc., Providence, R. I. Lighter. 1,850,142; Mar. 22.
Rosenthal, John F., Plover, Wis. Tractor wheel. 1,854,440; Feb. 9.
Rosenthal, Leo. (See Kropp, W., and Rosenthal.)
Rosenthal Leo, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. New synthetic resins. 1,857,333; May 10.
Rosenthal, Leo, Leverkusen-Wiesdorf-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic resins. 1,863,814; June 21.
Rosenthal, Leo, Vohwinkel, near Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic resins. 1,860,479; May 31.
Rosenthal, Leo, Vohwinkel, near Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic resin. 1,863,881; June 21.
Rosenthal, Leon W. (See Hehre, Frederick W., assignor.)
Rosenthal, Leon W., New York, N. Y. System of control for toy electric railways. 1,865,276; June 28.

Rosenthal, Leon W., New York, N. Y. Track for toy railways. 1,865,277 ; June 28.
Rosenthal, Leon W., New York, N. Y. Toy electric railway and apparatus therefor. 1,865,278 ; June 28.
Rosenthal, Leon W., New York, N. Y. Toy railway track. 1,876,347 ; Sept. 6.
Rosenthal, Leon W., New York, N. Y. Apparatus for toy electric railways. 1,891,059 ; Dec. 13.
Rosenthal Manufacturing Company. (See Rosenthal, August, assignor.)
Rosenthal, Matthew A., Brooklyn, N. Y. Soda fountain refrigerator. Des. 87,242 ; June 21.
Rosenthal, Milton M. W. (See Mansbach, D. F., and Rosenthal.)
Rosenthal, Sidney, Cedarhurst, N. Y. Button. Des. 87,359 ; June 12.
Rosenthal, Sidney, Cedarhurst, N. Y. Buckle. Des. 87,443 ; July 26.
Rosenthal, Sidney, Cedarhurst, N. Y. Clasp. Des. 87,444 ; July 26.
Rosenwald, Isidor, Parksville, N. Y. Coal briquette. 1,891,450 ; Dec. 20.
Rosenwasser, Leo, Long Island City, N. Y. Shoe. 1,841,058 ; Jan. 12.
Rosenzweig, Joseph. (See Rudolph, J., Rosenzweig, and Aschkenas.)
Rosenzweig, Siegfried, New York, N. Y. Sound insulating and vibration dampening structural unit. 1,880,153 ; Sept. 27.
Rosetter, Charles F., Los Angeles, Calif., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc. Brake testing device for motor vehicles. 1,884,261 ; Oct. 25.
Rosewood, Alfred, San Francisco, Calif. Combination water faucet. 1,845,627 ; Feb. 16.
Rosewood, Alfred, San Francisco, Calif. Waste and overflow fixture for bath tubs. 1,875,764 ; Sept. 6.
Rosier, Charles A., New York, N. Y. Apparatus for producing gaseous fuels. 1,851,202 ; Oct. 11.
Rosin, Paul. (See Bathelmess, Emil, assignor.)
Rosine, Conrad, Chicago, Ill. Combination lock switch. 1,873,484 ; Aug. 23.
Roskin, Celia, New York, N. Y. Finger ring. 1,866,320 ; July 5.
Rosner, Adolph, assignor to Bendix Brake Company, South Bend, Ind. Brake lining. 1,887,981 ; Nov. 15.
Rosner, Irving. (See Moran, Patrick J., assignor.)
Ross, Albert S., Dallas, assignor to C. R. Seagraves, Houston, Texas. Lifting ejector. 1,853,725 ; Apr. 5.
Ross, Albert S., Dallas, assignor to O. R. Seagraves, Houston Tex. Article handling device. 1,866,321 ; July 5.
Ross, Aubrey A., Chelsea, Mass., assignor to General Electric Company. Gear pump and the like. 1,880,108 ; Sept. 27.
Ross, Aubrey A., Marblehead, Mass., assignor to General Electric Company. Yieldable connection. 1,883,825 ; Oct. 18.
Ross, Carl A., Albion, Mich. Cooling system for engine cylinders. 1,845,521 ; Feb. 16.
Ross, Charles B., assignor to Marietta Concrete Corporation, Marietta, Ohio. Silo. 1,882,942 ; Oct. 18.
Ross, Charles G., assignor of one-fourth to J. A. Earhuff, and one-fourth to V. L. Konigsmark, Los Angeles, Calif. Safety brake. 1,861,881 ; June 7.
Ross, Charles H. A. F., Washington, D. C. Fluid reactive surface. 1,882,163 ; Oct. 11.
Ross, Charles H. A. F., Washington, D. C. Fluid reactive surface. 1,882,164 ; Oct. 11.
Ross, Chester W., Medford, Mass. Practice device for golf. 1,864,930 ; June 28.
Ross, Cleland C. (See Anstice, M. R., and Ross.)
Ross, Clifford O., Los Angeles, Calif. Weighing scale. 1,887,169 ; Nov. 8.
Ross, Ethel E. (See Peffer, H. C., Harrison, and Ross.)
Ross, David E., La Fayette, Ind. Cam and lever steering gear. 1,871,134 ; Aug. 9.
Ross, David Hot Springs, Ark. Rotary steam engine. 1,887,043 ; Nov. 8.
Ross, David E., assignor to The Fairfield Manufacturing Company, La Fayette, Ind. Clutch mechanism for planetary gearing. 1,891,182 ; Dec. 13.
Ross, David E., F. P. Wymer, and R. L. Harrison, assignors to Rossmore, Incorporated, LaFayette, Ind. Composite structural material. 1,852,676 ; Apr. 5.
Ross, Edward C. (See Ross, William T. and E. C.)
Ross, Edwin D., Ocean Pointe Park, Mich. Window. 1,851,293 ; Mar. 29.
Ross, Elmer F., et al. (See Thomas, Jack L., assignor.)
Ross, Elton F., Olympia, Wash. Threadless hose coupling. 1,853,578 ; Apr. 12.
Ross, Frank A., Wilmette, assignor to Stewart-Warner Corporation, Chicago, Ill. Flexible shaft ends. 1,882,043 ; Oct. 18.
Ross, Frederick N., assignor, by mesne assignments, to Briggs Manufacturing Company, Detroit, Mich. Cotton bat feeding machine. 1,882,944 ; Oct. 18.
Ross Gear & Tool Company. (See Chandler, Franklin F., assignor.)
Ross Gear & Tool Company. (See Gruebewald, Eugene J., assignor.)
Ross Gear & Tool Company. (See Strebe, M. F., Lenning, and Zink, assignors.)
Ross Gear & Tool Company. (See Young, Ray E., assignor.)
Ross, Gordon L., Kansas City, Mo. Lock guard. 1,853,456 ; Apr. 12.
Ross, Gordon L., Kansas City, Mo. Lock structure. 1,853,457 ; Apr. 12.
Ross, Harry M., assignor of one-half to Beveridge Paper Company, Indianapolis, Ind. Auxiliary reel for paper making machines. 1,865,279 ; June 28.
Ross, Herbert L., Oakland, Calif. Knife. 1,887,188 ; Nov. 8.
Ross, Hugh C., assignor to H. W. Falconer, Toledo, Ohio. Identification device. 1,852,091 ; Apr. 5.
Ross, Hugh G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer core. 1,874,806 ; Aug. 30.
Ross, Hugh M., Richmond Hill, N. Y., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Bottle filling and crowning machine. 1,874,353 ; Aug. 30.
Ross, James F. (See Ross, Russell W. and J. F.)
Ross, James G. (See Martus, M. L., Becker, and Ross.)
Ross, James G., Seattle, Wash. Mop wringer. 1,877,054 ; Sept. 13.
Ross, James W., Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Take-out mechanism for glass forming machines. 1,858,642 ; May 17.
Ross, John, Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,855,421 ; Apr. 26.
Ross, Lester T., assignor to The Burch Corporation, Crestline, Ohio. Snow plow. 1,882,945 ; Oct. 18.
Ross, Lewis P., New York, N. Y. Dust separator. 1,844,369 ; Feb. 9.
Ross, Lorenzo B., Butler, Pa. Mechanical connection. 1,859,531 ; May 24.
Ross, Louis A., Newark, N. J. Ventilating window shade. 1,849,850 ; Mar. 15.
Ross, Malcolm D., Pittsburgh, and B. A. Rose, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. 1,871,238 ; Aug. 9.
Ross Manufacturing Company, The. (See Bartlett, W. D., and Kelleher, assignors.)
Ross, Marie L., Corte Madera, Calif. Snap fastener. 1,853,577 ; Apr. 12.
Ross, Nanine Santa Ana, Calif. Convertible seat and table. 1,890,129 ; Dec. 6.
Ross, Oscar A., New York, N. Y. Motion picture film reel. 1,840,822 ; Jan. 12.
Ross, Oscar A., New York, N. Y. Shutter for motion picture projection machines. 1,843,093 ; Jan. 26.
Ross, Oscar A., New York, N. Y. Motion picture camera. 1,851,448 ; Mar. 29.
Ross, Oscar A., New York, N. Y. Building construction. 1,863,730 ; June 21.
Ross, Oscar A., New York, N. Y. Demolition bomb. 1,863,766 ; June 21.
Ross, Oscar A., New York, N. Y. System of carburation for hydrocarbon motors. 1,868,787 ; July 26.
Ross, Oscar A., New York, N. Y. System of reflecting mirrors or the like. 1,870,468 ; Aug. 9.
Ross, Oscar A., New York, N. Y. Musical directing apparatus. 1,870,823 ; Aug. 9.
Ross, Oscar A., New York, N. Y. Liquid circulating cooling system for internal combustion motors. 1,891,480 ; Dec. 20.
Ross, Oscar A., New York, N. Y. Circuit breaker. 1,892,008 ; Dec. 27.
Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Electric circuit breaker. 1,852,539 ; Apr. 5.
Ross, Oscar A., New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture reel. 1,861,882 ; June 7.
Ross, Oscar A., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Temperature controlled electric switch. 1,867,379 ; July 12.
Ross, Otto C. See Harlow, L. F., and Ross.)
Ross, Paul S., Denver, Colo. Electrode holder. 1,842,627 ; Jan. 26.
Ross, Ralph T., Carmichael, Calif. Lock. 1,850,516 ; Mar. 22.
Ross and Rowe, Inc. (See Jordan, Stroud, assignor.)
Ross, Russell W. and J. F., Porterville, Calif. Dusting machine. 1,851,494 ; Mar. 29.
Ross, St. Elmo. (See Whipple, C. E., and Ross.)
Ross, Samuel E. (See Scott, B. H., and Ross.)
Ross, Taylor W., assignor to Thomas Graham & Company, Madison, Ind. Commercial package. 1,882,946 ; Oct. 18.
Ross, Thomas E., Stillwater, Minn., assignor to The State of Minnesota, Haylander. 1,853,378 ; Apr. 12.
Ross, Thomas E., and J. Ramstad, Stillwater, Minn., assignors to the State of Minnesota. Riding cultivator. 1,845,887 ; Feb. 16.
Ross, Warren A., assignor of one-fourth to D. M. Carter, Chicago, Ill., and five-eighths to T. O. Boyd, Long Beach, Calif. Cutting apparatus for stone, coal, and the like. 1,857,403 ; May 10.
Ross, Warren A., assignor of one-fourth to T. O. Boyd, Long Beach, Calif., and one-fourth to D. M. Carter, Chicago, Ill. Drill controlling apparatus. 1,866,131 ; July 5.
Ross, Warren A., assignor of one-fourth to D. M. Carter, Chicago, Ill. Draw works. 1,884,875 ; Oct. 25.

Ross-Watt, George, Bronx, N. Y. Automatic gas cut-off. 1,850,940; Mar. 22.
Ross, William, Surbiton, England. Device for controlling materials. 1,840,917; Jan. 12.
Ross, William A. (See Weaver, I. A., and Ross.)
Ross, William H., Allentown, Pa. Brake drum truing device. 1,857,875; May 10.
Ross, William L., Jersey City, N. J. Steel framework bracket. 1,862,433; June 7.
Ross, William S., assignor to The Favorite Stove and Range Company, Piqua, Ohio. Articulated top cover for gas ranges. 1,870,653; Aug. 9.
Ross, William T., and C. V., Brooklyn, N. Y. Automatic time lighting system for automobiles. 1,852,266; Apr. 5.
Rossari, Gino M., New York, N. Y. Artificial wool and making same. 1,850,377; Mar. 29.
Rossbuch, Charles D., Chicago, Ill. Window. 1,875,662; Sept. 6.
Rossbach, Erich. (See Hagedorn, M., and Rossbach.)
Rossberg, Ehrhard. (See Jipp, A., Rossberg, Simon, Scheunert, and Skawran.)
Rossberg, Ehrhard. (See Storch, P., and Rossberg.)
Rosse, R. L., and Company Limited. (See Hargreaves, William, assignor.)
Rossell, Henry A., and R. N. S. Baker, U. S. Navy. Anti-oil-pollution system. 1,859,246; May 17.
Rosser, Paul, Lausanne, Switzerland. Safety screw with tightening pressure. 1,851,213; Mar. 29.
Rossi, Dominick, Albany N. Y. Stitch cutter. 1,844,299; Feb. 9.
Rossi, Joseph P., El Cerrito, Calif., assignor of one-tenth to C. Brensel, one-tenth to L. E. Navellier, one-tenth to E. W. Johnson, one-tenth to A. Fara, one-tenth to Victorio Merlotti, and one-tenth to L. W. Evans. Variable-pitch propeller. 1,839,895; Jan. 5.
Rossi, Pete, Osage, W. Va. Gauging tool. 1,846,760; Feb. 23.
Rossiter, Edmund C., and W. C. Davis, London, England. Manufacture of artificial resins. 1,857,478; May 10.
Rossiter, John G., assignor to Reynolds Spring Company, Jackson, Mich. Condiment dispenser. Des. 87,890; Oct. 4.
Rossiter, John G., assignor to Reynolds Spring Company, Jackson, Mich. Condiment dispenser. Des. 87,943; Oct. 11.
Rossiter, William J., and J. N. Wilking, Birmingham, Ala. Power driven rotary mower. 1,876,504; Sept. 6.
Rossman, Allen M. (See Perry, L. L., and Rossman.)
Rossman, Edwin F. (See Kunkle, B. D., and Rossman.)
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,844,795; Feb. 9.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,861,818; June 7.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,863,315; June 14.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Oscillating joint. 1,871,861; Aug. 16.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Oscillating joint. 1,871,918; Aug. 16.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Valve for shock absorbers. 1,874,262; Oct. 4.
Rossman, Kenneth V. B., Trenton, N. J., assignor to Federated Metals Corporation, New York, N. Y. Treating zinc skimmings. 1,851,130; Mar. 29.
Rost, August A., assignor to Vamp-Easer Company, Chicago, Ill. Shoe vamp treating mechanism. 1,855,693; Apr. 26.
Rostek, Vinzent R., Philadelphia, Pa. Ventilator. 1,864,555; June 28.
Röst-Grande, Alex. (See Hubert, E., Röst-Grande, and Weigand.)
Rostone, Incorporated. (See Peffer, H. C., and Jones, assignors.)
Rostone, Incorporated. (See Peffer, H. C., Harrison, and Ross, assignors.)
Rostone, Incorporated. (See Ross, D. E., Wymer, and Harrison, assignors.)
Roswurm, Arthur F., Lakewood, Ohio. Socket. 1,870,589; Aug. 9.
Rotary Carton Machine Company. (See Adsit, F. W., and Emme, assignors.)
Rotary Machine Company. (See Christiansen, Christian, assignor.)
Rotary Machine & Engineering Company, The. (See Roessler, Amandus C., assignor.)
Rotary Printing Company. (See Cole, Fred B., assignor.)
Rotary Printing Company, The. (See Willard, Louis J., assignor.)
Rotberg, Samuel, Chicago, Ill. Drinking cup for birds. 1,878,893; Sept. 20.
Rotea, Ireneo, Los Angeles, Calif. Spectacle type of lamp holder. 1,879,512; Sept. 27.
Roth, Albert. (See Kerrigan, J, and Roth)
Roth, Erich, Dresden, Germany. Transforming a uniform rotary motion. 1,847,040; Feb. 23.
Roth, Ernst, Lautzwerk, Germany. Producing metallic ingots. 1,850,477; Mar. 22.
Roth, Ernst, Niederuzwil, assignor to the firm Gebruder Buhler, Uzwil, Switzerland. Device for the conditioning and drying of cereals. 1,892,319; Dec. 27.
Roth, Harris C. (See Koch, L. E., and Roth.)
Roth, Harris C., assignor to A. Y. Dodge, South Bend, Ind. Thermostat device. 1,867,893; July 19.
Roth, Henry J., et al. (See Roth, William A., assignor.)
Roth, Isidor, assignor to Natures Rival Co., Chicago, Ill. Foundation garment. 1,848,842; Mar. 8.
Roth, Isidor, assignor to Associated Apparel Industries, Inc., Chicago, Ill. Combination garment. 1,856,032; Apr. 26.
Roth, Isidor, assignor to Natures Rival Co., Chicago, Ill. Hose supporter. 1,888,291; Nov. 22.
Roth, Lester B., assignor to Eclipse Lawn Mower Company, Prophetstown, Ill. Display stand for lawn mowers. 1,889,378; Nov. 29.
Roth, Raymond T., New York, N. Y. Terminal block. 1,886,743; Nov. 8.
Roth Rubber Company. (See Knight, William W., assignor.)
Roth, William A., assignor of one-third to Trew F. Poole, St. Paul, and one-third to H. J. Roth, New London, Minn. Light. 1,845,628; Feb. 16.
Roth, William E., Jr., assignor of one-half to F. W. Townrow, Cannonsburg, Pa. Hydraulic brake. 1,854,067; Apr. 12.
Rothblum, Benjamin, New York, N. Y. Garment. 1,886,048; Nov. 1.
Rothblum, Benjamin, New York, N. Y. Garment. 1,886,049; Nov. 1.
Rothe, Fritz, and H. Brenek, assignors to Rhenania-Kunheim Verein Chemischer Fabriken Aktiengesellschaft, Berlin, Germany. Making fertilizers. 1,842,843; Jan. 26.
Rothe, Fritz, and H. Brenek, assignors to the Firm Rhenania-Kunheim Verein Chemischer Fabriken Aktiengesellschaft, Berlin, Germany. Obtaining alumina and phosphates. 1,854,765; Apr. 19.
Rothe, Fritz, and H. Brenek, assignors to the Firm Rhenania-Kunheim Verein Chemischer Fabriken Aktiengesellschaft, Berlin, Germany. Obtaining fertilizers. 1,874,185; Sept. 20.
Rothe, Fritz, and H. Brenek, assignors to the Firm Kali-Chemie Aktiengesellschaft, Berlin, Germany. Producing calcined phosphates. 1,880,491; Oct. 4.
Rothenhoefer, Walter W., St. Louis, Mo. Airplane. 1,840,531; Jan. 12.
Rotherham, Walter S., Ponpton Lakes, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wire stripping machine. 1,882,947; Oct. 18.
Rothernel, Samuel W., Lynbrook, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph tape transmitter. 1,842,122; Jan. 19.
Rothert, Gerhard. (See Lubberger, F., and Rothert.)
Rothlisberg, Louis, New York, N. Y. Plate glass transporting truck. 1,879,518; Sept. 27.
Rothlin, Ernst, assignor to Firm of Chemical Works formerly Sandoz, Basle, Switzerland. Manufacture of therapeutic calcium preparations. 1,865,141; June 28.
Rothman, Estelle T. (See Rothman, M. and E. T.)
Rothman, Morris and E. T., Bayonne, N. J. Fire alarm and photographic device. 1,861,243; May 31.
Rothman, Morris, and E. T. Rothman, Bayonne, N. J. Fire alarm signal and photographic apparatus. 1,891,242; Dec. 20.
Rothmund, Leopold, Stuttgart, Germany. Sluice or lock. 1,856,591; Nov. 8.
Rothrock, George L., assignor to General Motors Corporation, Detroit, Mich. Mechanism to prevent brake chatter. 1,874,354; Aug. 30.
Rothweiler, Charles O., assignor to David White Company, Milwaukee, Wis. Combination level transit. 1,882,523; Oct. 11.
Rotinoff, Alexander G., London, England. Caisson and sinking the same. 1,853,379; Apr. 12.
Rotinoff, Alexander G., London, England. Dredging, excavating, and conveying materials. 1,854,383; Apr. 19.
Rotner, Irving E., New York, N. Y. Dental chair headrest cover. 1,854,068; Apr. 12.
Roto Pump Company. (See Arbon, Thomas J., assignor.)
Rotolo, George, Glendale, N. Y. Adjustable goggles. 1,859,532; May 24.
Rotondo, Anthony. (See Rotondo, Sabastiano and A.)
Rotondo, Sebastiano and A., Brooklyn, N. Y. Lawn mower. 1,880,154; Sept. 27.
Rotophot Aktiengesellschaft fuer Graphische Industrie. (See Wolfsohn, Kurt, assignor.)
Rotor Air Tool Company, The. (See King, Robert H., assignor.)
Rottler, Clarence T., Seattle, Wash. Piston refinishing machine. 1,839,775; Jan. 5.
Rottler, Clarence T., Seattle, Wash. Cylinder hone. 1,873,330; Aug. 23.
Rottman, George, New York, N. Y. Antiskid device. 1,854,766; Apr. 19.
Rottum, Charles. (See Stonequist, L. W., and Rottum.)
Rouan, Francis J. (See Wheeler, W. H., Jr., Ogden, and Rouan.)
Rougé, Raymond, Paris, France. Electric traction system. 1,859,343; May 24.
Rouleau, Alphie, and P. Nadeau, Barre Town, Vt. Vehicle spring. 1,872,822; Aug. 23.
Rouleau, Flora L., Oakland, Calif. Clasp. 1,885,296; Nov. 1.
Rouleau, Wilfred J., Quincy, Mass. Compressor. 1,884,876; Oct. 25.

Round, Henry J., assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Sound recording system. 1,840,794; Jan. 12.

Round, Henry J., assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Sound recording apparatus and arrangement for use therewith. 1,840,795; Jan. 12.

Round, Henry J., London, England, assignor to Radio Corporation of America. Thermionic amplifier and circuit arrangement therefor. 1,841,353; Jan. 19.

Round, Henry J., Maxwell Hill, London, England, assignor to Radio Corporation of America. Radio transformer. 1,869,914; Aug. 2.

Round, Henry J., London, England, assignor to Radio Corporation of America. Thermionic valve. 1,874,355; Aug. 30.

Round, Henry J., and A. G. D. West, London, England, assignors to Radio Corporation of America. Transmission and reproduction of sound. 1,853,286; Apr. 12.

Round, Henry J., London, and W. J. Picken, Southend-on-Sea, England, assignors to Radio Corporation of America. Supporting the electrodes of thermionic devices. 1,865,142; June 28.

Round, Henry J., Muswell Hill, London, and W. J. Picken, Southend-on-Sea, England, assignors to Radio Corporation of America. Supporting the electrodes of thermionic devices. 1,879,514; Sept. 27.

Round, Henry Joseph, Westfield, London, England, assignor to Radio Corporation of America. Loud speaker. 1,867,177; July 12.

Roundy, George H., Naples, Me. Cabinet for radioreceiving apparatus. Des. 87,360; July 12.

Rounsevelle, Phillip, Hazel Crest, Ill. Sanding machine. 1,851,031; Oct. 4.

Roura, Octave G., Paris, France. Container for shaving soap. 1,891,243; Dec. 20.

Roure, Et al. (See Alcala, Pablo, assignor.)

Rouse, Calvin N., jr., Kansas City, Mo. Micrometer. 1,839,596; Jan. 5.

Rouse, H. B., and Company. (See Stuckeman, William F., assignor.)

Rouse, Warren E., assignor to The Waterbury Tool Company, Waterbury, Conn. Hydraulic steering gear for ships. 1,854,226; Apr. 19.

Rousek, John E. Chicago, Ill. Sanitary nozzle. 1,855,490; Apr. 26.

Roush, Lee, Beaver, Pa. Preparing whipped cream. 1,852,267; Apr. 5.

Rousseau, Ernest J. (See Hatton, W., Spann, Rousseau, and.)

Rousseau, Seifert W., Baldwin, N. Y. Door operating mechanism. 1,870,965; Aug. 9.

Roussel, Jean Paul Pierre, Paris, France. Filing device for phonograph disks. 1,885,481; Nov. 1.

Roussel, Marie-Thérèse J. (née). (See Lepine, Georges.)

Rousselet, René, Paris, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz, Montrouge-Seine, France. Apparatus for taking samples of liquids. 1,857,874; May 10.

Roussey, Benet H., U. S. Navy. Automatic steering of dirigible bodies. 1,855,422; Apr. 26.

Rousso, Jacques, Los Angeles, Calif. Counting device. 1,847,788; Nov. 15.

Routhier, Felix A., Montreal, Quebec, assignor to B. Trudel Company, Montreal, Canada. Pressure gauge. 1,841,677; Jan. 19.

Routledge, Frederick J., Monroe, Mich. Starter control for gas engines. 1,882,948; Oct. 18.

Routson, Howard J., Fairfield, Iowa, Wrench. 1,852,678; Apr. 5.

Routt, Robert A., Hutchinson, Kans. Mortar board. 1,879,515; Sept. 27.

Routtenberg, Zacharia, Los Angeles, Calif. Sewing machine presser foot attachment. 1,850,985; Mar. 22.

Routtenberg, Zacharia, Los Angeles, Calif. Sewing machine presser foot. 1,850,986; Mar. 22.

Routtenberg, Zacharia, Los Angeles, Calif. Sewing machine cutting-attachment. 1,861,068; May 31.

Routtenberg, Zacharia, Los Angeles, Calif. Sewing machine needleplate. 1,890,237; Dec. 6.

Roux, Grace E., Hanford, Calif. Ice bag. 1,870,143; Aug. 2.

Roux, Jacques, Isbergues, Pas-De-Calais, France. Rolling mill. 1,856,170; May 3.

Rowan, John, New York, N. Y. Eyeglass mirror. 1,843,098; Jan. 26.

Rowan, John, New York, N. Y. Eyeglass mirror. 1,879,516; Sept. 27.

Rowan, John, New York, N. Y. Eyeglass mirror. 1,892,365; Dec. 27.

Rowan, William H., and H. K. Buckner, Nashville, Tenn. Curing cement concrete. 1,867,421; July 12.

Rowbotham, Robert G., Westcliff-on-Sea, England. Tin, jar, or like container. 1,879,517; Sept. 27.

Rowden, Guy C., Watson, Calif. Treating petroleum oils. 1,845,723; Feb. 23.

Rowe, Alvin V., Galesburg, Ill. Ice scoring machine. 1,885,143; Nov. 1.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Doorlock. 1,873,485; Aug. 23.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Cultivator. 1,875,159; Aug. 30.

Rowe, Charles R., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Radio receiving system. 1,886,230; Nov. 1.

Rowe, Clement J., assignor to The Egry Register Company, Dayton, Ohio. Web positioning mechanism. 1,857,214; May 10.

Rowe, Edgar E., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener conditioning machine. 1,867,594; July 19.

Rowe, Fred H., Gloucester, assignor to The Clear View Windshield Company, Mass. Manufacturing wired glass. 1,868,177; July 19.

Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of blown glassware. 1,840,532; Jan. 12.

Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,869,622; Aug. 2.

Rowe, Guy Landis, Dallas, Tex. Lamp for advertising purposes. 1,885,860; Nov. 1.

Rowe, Irving R., assignor to Atwood Machine Company, The, Stonington, Conn. Spinning and twisting machines. 1,857,743; May 10.

Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Spinning and twisting machine. 1,858,789; May 17.

Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Winding machine. 1,859,844; May 24.

Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Spinning and twisting machine. 1,860,955; May 31.

Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Driving mechanism for spinning and twisting machines. 1,862,162; June 7.

Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Spinning and twisting machine. 1,866,322; July 5.

Rowe, John C., Caulfield, Victoria, Australia. Lawn edge trimming machine. 1,866,225; July 5.

Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)

Rowe, Merton, Salisbury, Mass. Counter for turn shoes. 1,859,533; May 24.

Rowe, Raymond N., Plainville, assignor to The States Company, Hartford, Conn. Automatic series cut-out. 1,862,830; June 14.

Rowe, Ruel S., Rutland, Vt. Pail holder. 1,854,069; Apr. 12.

Rowe, Walter T., East Orange, assignor to Electro-Matic Mfg. Co. Inc., Newark, N. J. Electric water heater. 1,862,065; June 7.

Rowe, William H., Cliftondale, Mass., assignor to General Electric Company. Clamping globes and the like. 1,844,685; Feb. 9.

Rowe, William H., Cliftondale, Mass., assignor to General Electric Company. Globe holder and the like. 1,888,836; Nov. 22.

Rowe, William H., Los Angeles, Calif. Vending machine cabinet. 1,879,884; Sept. 27.

Rowell, Dudley G., Appleton, Wis. Car mover. 1,868,809; July 26.

Rowland, Ben W., Appleton, Wis., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Protected hydrogen electrode. 1,875,503; Sept. 6.

Rowland, Ben W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating tire bead. 1,876,076; Sept. 6.

Rowland, Charles L., deceased; K. E. Rowland and E. A. De Laney, executors, assignors to American Welding Company, Carbondale, Pa. Welding apparatus. 1,876,762; Sept. 13.

Rowland, Charles L., deceased, Carbondale, by K. E. Rowland, executrix, and E. A. De Laney, executor, assignor to American Welding Company, Carbondale, Pa. Welding machine. 1,886,838; Nov. 8.

Rowland, Dwight P., assignor to Burroughs Adding Machine Company, Detroit, Mich. Stand for business machines. Des. 86,542; Mar. 15.

Rowland, John B., New Rochelle, N. Y., and F. C. Andersen, assignors to Andersen Frame Corporation, Bayport, Minn. Window frame. 1,877,977; Sept. 20.

Rowland, Kathryn E. et al. (See Rowland, Charles L.)

Rowland, Kathryn E., et al., executrix. (See Rowland, Charles L.)

Rowland, Roger W., New Castle, Pa., assignor to New Castle Refractories Company, New Castle, Del. Tunnel kiln car and refractory slab therefor. 1,846,614; Feb. 23.

Rowland, Tully C., Ferris, Tex. Butter machine. 1,863,452; June 14.

Rowledge, Eric G., New Eltham, London, assignor to J. Stone & Company Limited, Deptford, England. Refrigerator plant. 1,844,822; Feb. 9.

Rowledge, Eric G., London, assignor to J. Stone & Company Limited, Deptford, England. Refrigerator chamber, particularly railway refrigerator van. 1,855,989; Apr. 26.

Rowles, E. W. A., Co. (See Thornas, P. B., and Taylor, assignors.)

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head. 1,849,316; Mar. 15.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry pipe valve. 1,863,453; June 14.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Exhauster. 1,863,454; June 14.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sealing and release device. 1,863,455; June 14.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fire extinguishing apparatus. 1,873,724; Aug. 23.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Flow controlling system. 1,874,103; Aug. 30.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Quick acting release device for carbon dioxide fire systems. 1,874,356; Aug. 30.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Electric switch. 1,882,674; Oct. 18.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Release device. 1,888,182; Nov. 15.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fire extinguishing system. 1,891,119; Dec. 13.

Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Automatic heat responsive unit. 1,891,183; Dec. 13.

Rowley, Charles A., Los Angeles, Calif. Vegetable shredder. 1,845,522; Feb. 16.

Rowley, Charles A., assignor to The Rajah Company, Bloomfield, N. J. Tool. 1,858,418; May 17.

Rowley, Edward G., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine and stand. 1,851,131; Mar. 29.

Rowley, Edward G., Newark, N. J., assignor to Cine-A-Graph Corporation, New York, N. Y. Sign apparatus. 1,852,028; Apr 5.

Rowley, Edward G., Newark, N. J., assignor to Cine-A-Graph Corporation, New York, N. Y. Sign device. 1,852,595; Apr. 19.

Rowley, Howard H. (See Nutting, H. S., and Rowley.)

Rowley, William S., Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company, Treating textile fabrics. 1,854,526; Apr. 19.

Rowley, Willson H., Charleston, assignor to Evans Lead Company, Charleston, Va. Producing composition of matter. 1,879,628; Sept. 27.

Rowley, Willsm H., assignor to Evans Lead Company, Charleston, W. Va. Composition of matter. 1,879,639; Sept. 27.

Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, Inc., New York, N. Y. Door operating mechanism. 1,891,359; Dec. 20.

Roy, Camille, et al. (See Ceablom, Wendell S., assignor.)

Roy, Edmond J., et al. (See Ceablom, Wendell S., assignor.)

Roy, Wilfrid J., East Orange, N. J., assignor to Gemex Company, Connecting link. 1,847,901; Mar. 1.

Roy, Wilfrid J., East Orange, N. J., assignor to Gemex Company, Bracelet end connecter. 1,866,670; July 12.

Roy, William O., Montreal, Quebec, Canada. Packing flowers. 1,878,666; Aug. 23.

Roy, William O., Montreal, Quebec, Canada. Distributing moisture absorbing material. 1,883,409; Oct. 18.

Royk, Louis, New York, N. Y. Wind motor. 1,844,796; Feb. 9.

Royal Baking Powder Company. (See Stokes, W. E., and Peter, assignors.)

Royal Electrotype Company. (See Shanks, David F.)

Royal, Robert R., Paducah, Ky. Binder bolt wrench. 1,877,595; Sept. 13.

Royal, Robert R., and W. M. Reams, Paducah, Ky., assignors to The Watson-Stillman Co., New York, N. Y. Truck for transporting locomotive and car wheels. 1,853,449; Mar. 29.

Royal, Thomas M., Philadelphia, Pa. Machine for making cellophane bags. 1,851,648; Mar. 29.

Royal Typewriter Company. (See Davidge, Ebenezer A., assignor.)

Royal Typewriter Company. (See Degener, Gustave O., assignor.)

Royal Typewriter Company. (See Dowd, Bernard J., assignor.)

Royal Typewriter Company. (See Graepel, William, assignor.)

Royal Typewriter Company. (See Handley, G. F., and Myers, assignors.)

Royal Typewriter Company. (See Hess, Edward B., assignor.)

Royal Typewriter Company. (See Kittel, John J., assignor.)

Royal Typewriter Company. (See Michelsen, William O., assignor.)

Royal Typewriter Company. (See Myers, Lewis C., assignor.)

Royal Typewriter Company. (See Myers, L. C., and Handley, assignors.)

Royal Typewriter Company. (See Utz, Anthony, assignor.)

Royal Vault Manufacturing Company, The. (See Philippe, Elmer W., assignor.)

Royal Worcester Corset Company, The. (See Wittenberg, Margaret H., assignor.)

Royce, Frederick H., West Wittering, near Chichester, assignor to Rolls Royce Limited, Derby, England. Shock absorber device. 1,866,671; July 12.

Royercroft, Walter R., Ozone Park, N. Y., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Record centering means for multiplying machines. 1,879,766; Sept. 27.

Royer Foundry & Machine Company. (See Royer, George F., assignor.)

Royer, George F., assignor to Royer Foundry & Machine Company, Wilkes-Barre, Pa. Screening apparatus. 1,860,480; May 31.

Royer, George F., assignor to Royer Foundry and Machine Company, Wilkes-Barre, Pa. Apparatus for handling molders' sand. 1,860,481; May 31.

Royer, Harry O., Crawfordsville, assignor of one-half to H. Peterson, Darlington, Ind. Splicing tool. 1,843,838; Feb. 2.

Royer, Jesse R., Janesville, Iowa. Adjustable gauge and stop for grader blades. 1,857,479; May 10.

Royle, Edwin B., Eureka, Utah. Automobile ventilator. 1,861,286; May 31.

Royle, John S., Binfield, and J. Meller, Feltham, assignors to Mono Containers Limited, London, England. Liquid-tight carton and closing same. 1,866,488; July 5.

Royle, Vernon E., Paterson, N. J. Stock screw for extruding machines. 1,886,592; Nov. 8.

Rozenbroek, Meindert Danius, Delden, Netherlands. Sulphonating fatty acids and fatty acid derivatives. 1,867,954; July 19.

Rozinek, Arthur. (See Szikla, G., and Rozinek.)

Ruau, Felix F., London, England. Cigarette making machine. 1,850,050; Mar. 15.

Ruau, Felix F. London, England. Means and apparatus for controlling a traveling web of paper. 1,852,379; Apr. 5.

Ruau, Felix, Deptford, London, assignor to Molins Machine Company, Limited, London, England. Apparatus for combing and feeding tobacco for making cigarettes and for other purposes. 1,878,328; Sept. 20.

Rubal, Herbert. (See Aldcroft, R. B., and Rubal.)

Rubber & Celluloid Products Co. (See Bowley, Edward J., assignor.)

Rubber Latex Research Corporation. (See Wescott, William B., assignor.)

Rubber Products Corporation. (See O'Brien, James R., assignor.)

Rubber Regenerating Company. (See Bull, Arthur W., assignor.)

Rubber Service Laboratories Co., The. (See Behrend, Oswald, assignor.)

Rubber Service Laboratories Company, The. (See Bertsch, Johann A., assignor.)

Rubber Service Laboratories Company. (See Byers, Horace G., assignor.)

Rubber Service Laboratories Co., The. (See Hand, C. N., and Magoun, assignors.)

Rubber Service Laboratories, Co., The. (See Hubacher, Max H., assignor.)

Rubber Service Laboratories Company, The. (See Ingram, Joseph R., assignor.)

Rubber Service Laboratories Company, The. (See Magoun, George L., assignor.)

Rubber Service Laboratories Co., The. (See North, C. O., and Scott, assignors.)

Rubber Service Laboratories Company, The. (See Scott, Winfield, assignor.)

Rubber Service Laboratories Company, The. (See Sibley, Robert L., assignor.)

Rubber Service Laboratories Co., The. (See Smith, A. H., and Shreiner, assignors.)

Rubber Service Laboratories Company, The. (See ter Horst, William F., assignor.)

Rubber Service Laboratories Company, The. (See Vignos, James C., assignor.)

Rubber Shock Insulator Corporation. (See Lipcot, Fred L., assignor.)

Rubber Shock Insulator Corporation, The. (See Masury, Alfred F., assignor.)

Rubber Surfacers, Inc. (See Little, Arthur D., assignor.)

Rubbersan Products Inc. (See Vernet, Waldemar, assignor.)

Rubel, Albert C. (See Grinnell, S. H., and Rubel.)

Rubel, Charles F. (See Christensen, N. V., Rubel, and Zeier.)

Rubel, Charles F. (See Zeier, F. F., and Rubel.)

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Oscillating thread controller for sewing machines. 1,844,602; Feb. 9.

Ruben Condenser Company. (See Ruben, Samuel, assignor.)

Ruben Patents Company. (See Ruben, Samuel, assignor.)

Ruben Rectifier Corporation. (See Ruben, Samuel, assignor.)

Ruben, Samuel, New Rochelle, N. Y., assignor to Ruben Tube Company, Englewood, N. J. Vacuum tube. Re18,367; Mar. 1.

Ruben, Samuel, assignor, by mesne assignments, to Ruben Condenser Company, New Rochelle, N. Y. Electrostatic condenser. Re18,673; Nov. 29.

Ruben, Samuel, New Rochelle, N. Y. Apparatus for maintaining synchronism. 1,867,925; July 19.
Ruben, Samuel, assignor to Ruben Patents Company, New Rochelle, N. Y. Apparatus for generating electrical potential. 1,847,671; Mar. 1.
Ruben, Samuel, assignor to Ruben Patents Company, New Rochelle, N. Y. Resistance device. 1,859,344; May 24.
Ruben, Samuel, assignor to Ruben Patents Company, New Rochelle, N. Y. Electrical microphone. 1,877,483; Sept. 13.
Ruben, Samuel, New York, assignor to Ruben Patents Company, New Rochelle, N. Y. Apparatus for generating electrical potential. 1,843,698; Feb. 2.
Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electron tube apparatus. 1,847,669; Mar. 1.
Ruben, Samuel, New York, assignor to Ruben Patents Company, New Rochelle, N. Y. Generating electrical potential. 1,847,670; Mar. 1.
Ruben, Samuel, New York, N. Y., assignor to Ruben Tube Company, Englewood, N. J. Insulating coating for filaments. 1,849,157; Mar. 15.
Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electrolytic cell. 1,849,346; Mar. 15.
Ruben, Samuel, New York, N. Y., assignor, by mesne assignments, to Ruben Rectifier Corporation. Electric current rectifier. 1,869,218; June 26, 1932.
Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Resistance device. 1,877,382; Sept. 13.
Ruben, Samuel, New York, N. Y., assignor, by mesne assignments, to Ruben Tube Company, Englewood, N. J. Electron discharge device. 1,882,449; Oct. 11.
Ruben, Samuel, New Rochelle, N. Y. Making an electrical resistance element. 1,889,379; Nov. 29.
Ruben, Samuel, New Rochelle, N. Y. Device and method for recording sound waves. 1,889,380; Nov. 29.
Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric current rectifier. 1,890,470; Dec. 13.
Ruben, Samuel, assignor, by mesne assignments, to Ruben Condenser Company, New Rochelle, N. Y. Polarized electrolytic couple. 1,891,206; Dec. 13.
Ruben, Samuel, assignor, by mesne assignments, to Ruben Condenser Company, New Rochelle, N. Y. Electrolytic condenser. 1,891,207; Dec. 13.
Ruben Tube Company. (See Ruben, Samuel, assignor.)
Ruberoid Co., The. (See Abraham, Herbert, assignor.)
Ruberoid Co., The. (See Hammenecker, Pieter A., assignor.)
Ruberoid Co., The. (See Klupmeyer, E. E., and Maxwell.)
Ruberoid Co., The. (See Street, Edward T., assignor.)
Rubert, Harold H., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Oil gauge. 1,857,334; May 10.
Rubican, Charles E., jr., St. Louis, Mo. Notebook cover and support. 1,889,420; Nov. 29.
Rubin, Adolph, assignor to Hussman-Ligonier Company, St. Louis, Mo. Attachment for food choppers. 1,854,227; Apr. 19.
Rubin, Adolf, assignor to Firm Adolph Bleichert & Co. A.-G., Leipzig, Germany. Working of passenger ropeways with continuous traffic. 1,886,050; Nov. 1.
Rubin, Benjamin, Philadelphia, Pa., assignor to Rubin Patents Corporation. Detachable tread member. 1,844,182; Feb. 9.
Rubin, Benjamin, Philadelphia, Pa., assignor to Rubin Patents Corporation. Fastening device. 1,868,178; July 19.
Rubin, Boris M., et al. (See Taube, Gustav, assignor.)
Rubin, David. (See Campbell, Albert R., assignor.)
Rubin, Frederick W., assignor, by mesne assignments, to The Utility Manufacturing and Sales Company, Indianapolis, Ind. Process and apparatus for drying lumber. 1,863,943; June 21.
Rubin, Herman H. (See Balsam, Maurice M., assignor.)
Rubin, Herman H., New York, N. Y. Assist grip. Des. 18,635; Oct. 25.
Rubin, Herman H., New York, N. Y. Grip strap. 1,889,795; Dec. 6.
Rubin Patents Corporation. (See Rubin, Benjamin, assignor.)
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,481; Nov. 29.
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,482; Nov. 29.
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,483; Nov. 29.
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,484; Nov. 29.
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,485; Nov. 29.
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,486; Nov. 29.
Rubinger, Louis, New York, N. Y. Textile fabric or the like. Des. 88,579; Dec. 6.
Rubini, Eligio, and J. De Lai, Toronto, Ontario, Canada. Electric heating apparatus. 1,869,623; Aug. 2.
Rubino, Italo G., New York, N. Y. Stamp affixer. 1,845,766; Feb. 16.
Rubinsky, Ivan, Beirut, Syria. Calculating device. 1,892,634; Dec. 27.
Rubinstein, Harry W. (See Osmun, H. E., Rubinstein, and Stoekle.)
Rubinstein, Jacques, Cologne-Mulheim, V. Heidelberg, Bensberg, near Cologne, E. Uhlhorn, Cologne, and W. Dahners, Cologne-Mulheim, Germany. Internal combustion engine. 1,886,978; Nov. 8.
Rubinstein, Wilton, St. Louis, Mo. Adjustable collar band for shirts. 1,870,966; Aug. 9.
Rubsamen, Charles, Richmond Hill, N. Y. Cylinder lock. 1,851,986; Apr. 5.
Ruby, George H. A., Linden, N. J. Plaster board machine. 1,862,318; June 7.
Ruby, George H. A., Linden, N. J. Plaster block machine. 1,889,935; Dec. 6.
Ruchin, Zan, assignor to Safety Window Device Mfg. Corporation, Bay Shore, N. Y. Window sash. 1,851,524; Mar. 29.
Ruck, Paul. (See Gassan, A., and Ruck.)
Ruckelshaus, John G., and N. W. Kempf, Newark, N. J. Absorbent material and preparing the same. 1,852,029; Apr. 5.
Ruckelshaus, John G., and N. W. Kempf, Newark, N. J. Refrigeration. 1,869,135; Sept. 13.
Rucker, Joseph H. (See Demaree, Clarence B., assignor.)
Rucker, Mahlon B., Spokane, Wash. Shirt. 1,851,294; Mar. 29.
Rucker, Samuel D., San Fernando, Calif. Method of and apparatus for saturating sand in water. 1,849,437; Mar. 15.
Ruckstahl, Alfred, assignor to Holcroft & Company, Detroit, Mich. Electric furnace. 1,858,062; May 10.
Ruckstuhl, Charles S., St. Louis, Mo. Thermometer. 1,861,164; May 31.
Rudd, Anton A., Sidney, Nebr. Device for dismantling freight car trucks. 1,879,518; Sept. 27.
Rudd, Frank E., Louisville, Ky. Car spread. Des. 86,981; May 17.
Rudd, Harry B., Douglaston, N. Y., assignor to Rudd Patents Corporation, Handling phase-changeable material. 1,855,313; Apr. 26.
Rudd, Harry B., Douglaston, N. Y., assignor to Rudd Patents Corporation. Producing containers. 1,864,475; June 21.
Rudd, Maurice A., North Plainfield, and A. Z. Mample, Glen Rock, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Cable fault detection and telephone system. 1,849,994; Mar. 15.
Rudd Patents Corporation. (See Rudd, Harry B., assignor.)
Ruddock, William, Whittier, Calif. Hoisting apparatus for power operated shovels. 1,862,862; June 14.
Ruddy, Patrick A., Dunmore, Pa. Display rack. 1,876,172; Sept. 6.
Rude, John F., Indianapolis, Ind. Spider wheel for harvester. 1,845,936; Feb. 16.
Rudenberg, Reinhold, Berlin-Grunewald, G. Berthold, Berlin-Siemensstadt, and K. Donat and W. Espe, Berlin-Charlottenburg, Germany, assignors to Westinghouse Electric & Manufacturing Company, New York, N. Y. Fluid electrode electric discharge device. 1,839,502; Jan. 5.
Rüdenberg, Reinhold, Berlin-Grunewald, and E. Friedländer, Berlin-Spandau, Germany, assignors to Westinghouse Electric and Manufacturing Company, Voltage regulation of alternating-current long distance lines. 1,872,348; Aug. 16.
Rüder, Heinrich B., Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Combined electrical and centrifugal gas cleaning apparatus. 1,843,839; Feb. 2.
Rüder, Heinrich B., Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. High tension insulation. 1,856,225; May 3.
Rüder, Heinrich B., Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 1,882,949; Oct. 18.
Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Electrical induction apparatus. 1,857,215; May 10.
Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Magnetic material. 1,862,357; June 7.
Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Magnetic alloys and making same. 1,862,365; June 7.
Ruderf, Dr. E., Saxonburg, Pa. Storage battery construction. 1,862,319; June 7.
Rudolf, Porter B. (See McCauley, T., jr., and Rudolf.)
Rudolph, Corrie F. (See Gebhard, L. A., and Rudolph.)
Rudolph, Corrie F., Washington, D. C., and C. O. Vermillion, East Orange, N. J. Variable inductance coil. 1,860,722; May 31.
Rudolph, Corrie F., Washington, D. C. Electron tube apparatus. 1,878,251; Sept. 20.
Rudolph, Corrie F., Washington, D. C. Temperature control system. 1,892,165; Dec. 27.
Rudolph, Harold V., Wilkinsburg, and H. W. Bryan, South Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,855,611; Apr. 26.

Rudolph, Joel F., Fort Thomas, assignor to The Hegsit Manufacturing Company, Newport, Ky. Venetian blind. 1,878,186; Sept. 20.

Rudolph, Joseph, 9 Rosenzweig, and D. Aschkenas, New York, N. Y. Hand bag. 1,859,020; Dec. 6.

Rudolph, Walter H., New York, N. Y. Compressor. 1,846,360; Feb. 23.

Rudolph, Walter P., Buffalo, N. Y. Culinary device. 1,874,807; Aug. 30.

Rudolph, Walter H., Buffalo, N. Y. Bouquet holder. 1,879,322; Sept. 6.

Rudolph, Wilhelm. (See Hecht, H., and Rudolph.)

Rudolph, Wilhelm, assignor to Electroacustic Gesellschaft mit beschrankter Haftung, Kiel, Germany. A carrying device for subaqueous sound apparatus. 1,881,972; Oct. 11.

Rudolph, William P., Van Nuys, J. R. Hunt, Hollywood, and H. G. Cunningham, assignors to Paramount Public Corporation, Los Angeles, Calif. Camera focusing system. 1,856,432; May 3.

Rudorff, Dagobert W. (See Armacost, W. H., and Rudorff.)

Rudorff, Dagobert W., assignor to The Superheater Company, New York, N. Y. Superheater. 1,884,263; Oct. 25.

Rudoy, Jacob, Haifa, Palestine. Oil stove. 1,888,888; Nov. 22.

Rudulph, Julian R. (See Mussey, W. H., and Rudulph.)

Rue, John D., Madison, Wis., S. D. Wells, Quincy, Ill., and F. G. Rawling, Madison, Wis., assignors to A. M. Hyde, Secretary of Agriculture of the United States. Treatment of wood for the production of pulp. 1,859,343; May 24.

Rue, John D., Madison, Wis., S. D. Wells, Quincy, Ill., and F. G. Rawling, Madison, Wis., assignors to A. M. Hyde, Secretary of Agriculture of the United States. Wood pulp and making the same. 1,859,846; May 24.

Rue, John D., Madison, Wis., S. D. Wells, Quincy, Ill., and F. G. Rawling, Madison, Wis., assignors to A. M. Hyde, Secretary of Agriculture of the United States. Pulped material and preparing the same. 1,859,847; May 24.

Rue, John D., Madison, Wis., S. D. Wells, Quincy, Ill., and F. G. Rawling, Madison, Wis.; said Rue and said Rawling assignors to A. M. Hyde, Secretary of Agriculture of the United States. Production of fibrous pulp from vegetable material. 1,859,848; May 24.

Ruef, August, Freiburg, Germany. Press-button lock. 1,862,902; June 14.

Rueger, Ernst A., Basel, Switzerland. Woodworking machine. 1,850,773; Mar. 22.

Ruegg, Hermann, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Resilient coupling. 1,867,987; July 19.

Ruegg, Henry. (See Hope, R. De V., and Ruegg.)

Ruehl, George Frank, Detroit, Mich. Window. 1,891,840; Dec. 20.

Ruehlmann, Louis E., Detroit, Mich., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Roof joint. 1,855,694; Apr. 26.

Rueland, Albertine, New York, N. Y. Electric iron. Re18,592; Sept. 6.

Rueland, Albertine, New York, N. Y. Combined book holder and marker. 1,886,977; Nov. 22.

Ruemelin, Richard, Milwaukee, Wis. Sand blast curtain. Re18,586; Aug. 30.

Ruemelin, Richard, St. Paul, Minn. Adjustable sand blast nozzle. 1,849,384; Mar. 15.

Ruemelin, Richard, St. Paul, Minn. Sand blast stopper valve. 1,856,138; May 3.

Ruemelin, Richard, Minneapolis, Minn. Sand blast machine. 1,858,561; May 17.

Ruen, Andrew, Hanger Co. Inc. (See Moore, John, assignor.)

Ruesch, August, Union City, N. J. Irish lace. Des. 86,747; Apr. 12.

Ruesenberg, Carl A., assignor to Rockford Drilling Machine Co., Rockford, Ill. Multiple disk clutch. 1,848,843; Mar. 8.

Ruess, Charles. (See Stewart, Ralph E., assignor.)

Rueter, Herman, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair. Des. 86,334; Feb. 23.

Ruetz, Herman, Glendale, N. Y. Chair. 1,878,253; Sept. 20.

Ruetz, Josef. (See Ruetz, Karl, assignor.)

Ruetz, Karl, Zurich, assignor of one-half to J. Ruetz, Biel, Switzerland. Hydrant. 1,862,480; Apr. 5.

Ruf, Christian E. (See Aldeborgh, E. H., and Ruff.)

Rufe, De Witt C., 2d. (See Healy, D. L., and Rufe.)

Ruff, Alonzo W., assignor to York Ice Machinery Corporation, York, Pa. Refrigerated display cabinet. 1,845,682; Feb. 16.

Ruff, David H., Brooklyn, N. Y. Token vending machine. 1,847,284; Mar. 1.

Ruff, De Witt C., 2d, St. Paul, Minn. Radiator hanger. 1,878,187; Sept. 20.

Ruff, De Witt C., 2d, St. Paul, Minn. Radiator hanger. 1,879,519; Sept. 27.

Ruff, Harold T., Chillicothe, assignor to The Mead Research Engineering Company, Dayton, Ohio. Paper manufacture. 1,864,220; June 21.

Ruffin, Allen F., Waterbury, and A. L. Weckler, Thomaston, assignors to Scovill Manufacturing Company, Waterbury, Conn. Atomizer support. 1,857,609; May 10.

Rufle, George H., New York, N. Y. Synchronizing method and apparatus for making sound-picture films. 1,868,993; July 26.

Rugaber, Arthur R. (See McConnell, Max T., assignor.)

Rugaber, John J., Trenton, N. J., assignor to The Vulcanized Rubber Company, New York, N. Y. Comb. 1,886,357; Nov. 1.

Rugard, Axel, La Conner, Wash. Flue cleaner. 1,847,364; Mar. 1.

Rugg, Frank D., Greenfield, Mass. Rake. 1,849,408; Mar. 15.

Rugg, Walter S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Auto-parking and storage system. 1,870,069; Aug. 2.

Rugg, Walter S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automobile storage building. 1,870,070; Aug. 2.

Rugger, Charles, Sioux City, Iowa. Wrench. 1,886,907; Nov. 8.

Ruggles, Frank W., Alma, Mich. Automotive vehicle attachment. 1,850,568; Mar. 22.

Ruggles, Guy H., Inspiration, Ariz. Ore flotation. 1,852,481; Apr. 5.

Ruggles, Harold E., Roxbury, Mass. Stitch picker. 1,859,173; May 17.

Ruggles-Klingemann Mfg. Co. (See Tobin, Arthur L., assignor.)

Rühlemann, Fritz, Wolfsgrun, Germany. Grinding stone of concrete for wood shavings. 1,880,492; Oct. 4.

Rühlmann, Herbert, Sommerda, assignor to Rheinische Metallwaaren- und maschinenfabrik. Dusseldorf-Derendorff, Germany. Electric igniter with condenser as storing device for the ignition current. 1,841,983; Jan. 19.

Rühlemann, Herbert, Sommerda, assignor to Rheinische Metallwaaren und Maschinenfabrik, Dusseldorf-Derendorff, Germany. Electric fuse for projectiles. 1,858,969; May 17.

Rubnau, Richard, Essen, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Cinematographic projection apparatus. 1,875,193; Aug. 30.

Ruboff, Otto E., and E. J. McEachron, Wausau, Wis. Flat battery. 1,878,156; Sept. 20.

Rubren, Julius, West New York, N. J. Warping machine drive and control therefor. 1,887,433; Nov. 8.

Ruiné, Jacob C., et al. (See Ashiak, Albert, assignor.)

Ruinet, Yves, Argenteuil, France. Straight knitting machine. 1,846,761; Feb. 23.

Ruiz, Charles, Brooklyn, N. Y. Time controlled device. 1,861,965; July 5.

Ruiz, Vincent, assignor to J. T. Basseches, New York, N. Y. Folding chair. 1,892,166; Dec. 27.

Ruleyser, Walter A., Globe, Ariz. Treating asbestos. 1,875,890; Sept. 6.

Rukop, Hans E., assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Incandescent cathode for electron discharge devices. 1,843,244; Feb. 2.

Rule, Andrew L. (See Brown, James L., assignor.)

Rule, John F., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Mechanism for skimming and stirring glass. 1,879,711; Sept. 27.

Rulman, George B., Elmhurst, Ill. Station indicator. 1,853,458; Apr. 12.

Rulon, Watson R., jr., Philadelphia, Pa. Holder for bobbins or spools. 1,852,056; Apr. 5.

Rumanceff, Nicholas A., New York, N. Y. Composition for treating arterio sclerosis and preparing same. 1,858,905; May 17.

Rumbarger, Bradley W., Monroe, La., assignor to Imperial Oil & Gas Products Company, Pittsburgh, Pa. Apparatus for treating hydrocarbons. 1,860,598; May 31.

Rumble, Walter H., assignor of one-half to P. G. Martin, Los Angeles, Calif. Renewable fuse plug. 1,846,660; Feb. 23.

Rumbleup Corporation. (See Benn, Edward H., assignor.)

Rumford Chemical Works. (See Bryan, Charles S., assignor.)

Rumford Chemical Works. (See Fiske, A. H., and Bryan, assignors.)

Rummel, Henri F., Paris, France. Headlight for motor vehicles. 1,848,550; Mar. 8.

Rummler, Adelaide H., Chicago, Ill. Tent. 1,856,658; May 3.

Rummler, Francis J. (See Prescott, S. I., and Rummler.)

Rummler, Joseph M., Chicago, Ill. Fuse plug. 1,891,951; Dec. 27.

Rumph, Sigurd. (See Jonas, J., and Rump.)

Rump, Sigurd, Zurich, Switzerland. Synchronizing system. 1,873,981; Aug. 30.

Rump, Sigurd, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Resistance dependent selective relay. 1,875,313; Aug. 30.

Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Crusher mill driving means. 1,864,556; June 28.

Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Crushing mill concave holding means. 1,866,908; Nov. 8.

Rumpel, Joseph, Nampa, Idaho. Automatic meter-lid operated wiper. 1,890,414; Dec. 6.

Rumpf, Ernst, Stuttgart, Germany. Automatic-feed weighing apparatus. 1,846,148; Feb. 23.

Rumpf, Herman, and I. Rumpf, San Francisco, Calif. Curtain ring. 1,854,275; Apr. 19.
Rumpf, Herman and I. J., San Francisco, Calif. Curtain rod holder. 1,869,281; July 26.
Rumpf, Herman, and I., San Francisco, Calif. Curtain carrier. 1,878,189; Sept. 20.
Rumpf, Irwin. (See Rumpf, Herman and I.)
Rumpf, Irwin J. (See Rumpf, H. and I. J.)
Ramsey, Herbert, jr., Nutley, N. J. Forming a molded body. 1,849,438; Mar. 15.
Runciman, Truman B., Exeter, Calif. Truck. 1,861,321; May 31.
Ronco, Salvatore, et al. (See Foti, Charles, assignor.)
Rund, Ingvald, Hayti, S. Dak. Elevator lifting mechanism for graders. 1,858,147; Nov. 15.
Rundell, Raymond R., Waterbury, Conn., assignor to H. L. Baker, Miami Beach, Fla. Salt shaker. 1,861,980; June 7.
Rundell, Raymond R., Waterbury, Conn. Combined cork-screw and bottle decapper. 1,873,331; Aug. 23.
Rundell, Raymond R., Waterville, Conn. Rope tightener. 1,890,829; Dec. 13.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Dust remover for tobacco feeds. 1,846,904; Feb. 23.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Adjusting device for cigarette machines. 1,851,264; Mar. 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Cork-tipper for cigarette machines. 1,864,764; June 28.
Rundell, Rupert E., Rockville Center, and G. E. Hazquist, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Leaf stemming machine. 1,864,765; June 28.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Oblique cut-off. 1,888,774; Nov. 22.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Expansion pulley. 1,892,252; Dec. 27.
Rundle, Henry M., Glen Ridge, N. J. Combined doll or similar article and support for same. Des. 87,413; July 19.
Rundle Manufacturing Co. (See Manson, Mahlon E., assignor.)
Rundlett, Carl W., Jackson Heights, assignor to Mot-Acs, Inc., New York, N. Y. Automobile heating apparatus. 1,849,435; Oct. 4.
Rundlett, William D., assignor to The James Hunter Machine Company, North Adams, Mass. Lapping machine. 1,862,984; June 14.
Rundquist, Carl A., Chicago, Ill. Coffee urn bag. 1,839,845; Dec. 6.
Rundqvist, Thure R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,852,496; June 7.
Rundqvist, Thure R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,862,497; June 7.
Runge, Fred G., New York, N. Y. Aeroplane lifting device. 1,845,561; Feb. 16.
Runge, Robert F. (See Hutchinson, W. L., and Runge.)
Runge, Wilhelm, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency multiplier circuit. 1,851,408; Mar. 29.
Runge, Wilhelm, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie mit beschaenkter Haftung, Berlin, Germany. Arrangement for oscillation circuits. 1,890,302; Dec. 6.
Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Thermionic tube for directional reception. 1,892,220; Dec. 27.
Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Polarization diversity reception. 1,892,221; Dec. 27.
Runk, William B. (See Runkel, J., and Runk.)
Runkel, Curt. (See Söll, J., and Runkel.)
Runkle, Ella, administratrix. (See Runkle, John F.)
Runkle, John F., deceased, New York, N. Y.; E. Runkle, New York, N. Y., administratrix. Transmission device for automotive vehicles. 1,863,639; June 21.
Runkle, Lloyd O., Gloucester, Mass., assignor to The Linen Thread Company, New York, N. Y. Sifter trawl. 1,867,281; July 12.
Runkles, Elsie M., Detroit, Mich. Combination chair and writing desk. 1,891,691; Dec. 20.
Running, Albert, et al. (See Pitcher, Elmer, assignor.)
Runnion, David A. (See Karsten, F., and Runnion.)
Runshang, Anton M., Little Rock, Ark. Blade sharpening machine. 1,872,096; Aug. 16.
Runsvold, Martin S., San Diego, Calif. Electric connection plug. 1,857,663; May 10.
Runsvold, Martin S., San Diego, Calif. Combination thermostatic switch and electric connection plug. 1,876,763; Sept. 13.
Runte, Hermann, assignor to Lübecker Maschinenbau-Gesellschaft, Lubeck, Germany. Supporting means for conveying and transporting vehicles. 1,889,296; Nov. 29.
Runyan, William B., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Jack. 1,859,054; May 17.
Runyan, William B., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Jack. 1,874,357; Aug. 30.
Runyon, Benjamin F., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermal switch. 1,867,380; July 12.
Runyon, Roy K., assignor to C. R. C. Air Cleaner Company, Spokane, Wash. Dust remover. 1,840,411; Jan. 12.
Ruopp, George F., assignor to Marshalltown Manufacturing Company, Marshalltown, Iowa. Protecting device for gauges. 1,884,025; Oct. 25.
Ruot, Frank J., Bell, Calif. Swivel. 1,853,180; Apr. 12.
Rupert, Richard, Kansas City, Mo., assignor to The Electric Alarm Co., Inc., Denver, Colo. Theft alarm for automobiles. 1,844,838; Feb. 9.
Rupertus, Chester C., Washington, D. C. Skylight joint. 1,883,789; Aug. 23.
Rupf, Frank E., Kansas City, Mo., assignor to Wilson-Jones Company, Chicago, Ill. File folder. 1,891,558; Dec. 20.
Rüping, Max, Munich, Germany. Securing means for rails. 1,845,560; Feb. 16.
Rüping, Max, Munich, Germany. Device for stressing springs. 1,849,930; Dec. 8.
Rupp, Carl A., assignor to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Platen for presses with heating coil. 1,847,573; Mar. 1.
Rupp, Carl A., assignor to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Lubricating device for bearings on a shaft. 1,868,118; July 19.
Rupp, William E., Hillsboro, Kans. Mop wringer and pail support. 1,846,906; Feb. 23.
Ruppel, Frederick C., Grand Rapids, Mich., assignor to Dominion Motors, Limited, Toronto, Ontario, Canada. Radiator ornament. Des. 87,414; July 19.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Radiator for motor vehicles. 1,862,769; June 14.
Ruppel, Sigwart, Frankfort-on-the-Main, Germany. Switch point. 1,874,809; Aug. 30.
Ruppert, Albert A., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Seat cushion. 1,877,055; Sept. 13.
Ruppert, August, Frankfort-on-the-Main, W. Fischer, Ludwigshafen-on-the-Rhine, J. Voigt, and B. Hennig, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing low-boiling dichloro-ethylene. 1,868,077; July 19.
Ruppe, Harry W., Cincinnati, Ohio, assignor to The Cleveland Automatic Machine Company. Automatic reverse for threading tools. 1,877,056; Sept. 13.
Rupprecht, Alvin V., Fayetteville, Ark. Poultry feeder. 1,886,593; Nov. 8.
Rupprecht, Edgar P., assignor to American Rolling Screw Company, Chicago, Ill. Rolling screen. 1,882,951; Oct. 18.
Rüsberg, Friedrich, Mannheim, and G. Clauss, Mannheim-Waldhof, assignors to Rheinische Kampfmittel-Kunheim Verein Chemischer Fabriken A.-G., Berlin, Germany. Production of solid ammonium carbonate. 1,849,043; Mar. 8.
"Rusbol," Societe à Responsabilite Limitee. (See Rustin, L. D. A., and Bolard, assignors.)
Rusby, Herman, Stocksbridge, near Sheffield, England, assignor to Westinghouse Electric & Manufacturing Company. Coupling for shafts. 1,860,552; May 31.
Rusby, John M., assignor to The United Gas Improvement Company, Philadelphia, Pa. Diffusion plates in gas generators. 1,885,549; Nov. 1.
Rusby, John M., and W. I. Battin, assignors to The U. G. I. Contracting Company, Philadelphia, Pa. Producing coal gas. 1,861,452; June 7.
Rusch, Hugo L., Mount Vernon, and E. R. Leibert, New York, N. Y. Visual announcer. 1,850,085; Mar. 22.
Rusckowski, Stanislaus, Los Angeles, Calif. Tower bridge. Des. 87,797; Sept. 20.
Rusden, Ethelbert A., Naugatuck, assignor to The Textile-Finishing Machinery Company, Providence, R. I. Fabric impregnating machine. 1,879,520; Sept. 27.
Rusden, Richard E., Providence, R. I., assignor to The Textile-Finishing Machinery Company. Dye jig. 1,887,381; Nov. 8.
Ruselle Corporation. (See Russell, Charles D., assignor.)
Ruselite Corporation. (See Schroeder, H. F., and Russell, assignors.)
Rush, Albert, assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Release and brake for fire resisting curtains. 1,842,123; Jan. 19.
Rush, Clarence E., Grand Island, Nebr. Power transmission for mowers. 1,887,789; Nov. 15.
Rush, Earl S., Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Gas distribution. 1,841,059; Jan. 12.
Rush, Felix J., Sparkill, N. Y. Picture frame or similar article. Des. 86,864; Apr. 26.
Rush, Glen O., Oakland, Calif. Insulation for pole climbing spurs. 1,867,894; July 19.
Rush, Leo E., Indianapolis, assignor to Rush Pump Company, Lafayette, Ind. Combination manual and coin automatic pump. 1,891,950; Dec. 27.
Rush Pump Company. (See Rush, Leo E., assignor.)
Rush, Theodore H. (See McCollum, A. F., and Rush.)
Rush, Ulysses S., Saltchuck, Alaska. Signaling device. 1,852,540; Apr. 5.

Rush, Weaver A., Beatrice, Nebr. Automobile passing light. 1,884,265; Oct. 25.

Rush, William R., Mulberry, Kans. Food chopper. 1,889,381; Nov. 29.

Rushay, Forest S., Utica, Ohio. Ice cream dipper. 1,855,530; Apr. 26.

Rushmore, Samuel W., Plainfield, N. J. Cooling system. 1,851,407; Mar. 29.

Ruskin, Jack. (See Miller, Carl W., assignor.)

Ruskin, Simon L., New York, N. Y. Organic compounds of manganese and making same. 1,885,949; Nov. 1.

Rusling Wood Inc. (See Staats, Harry B., assignor.)

Russ, Emil F., Cologne, Germany. Induction furnace. 1,852,044; Jan. 26.

Russ, Harley, Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Wood heel grooving machine. 1,846,615; Feb. 23.

Russ Manufacturing Company. (See Peterson, Otto, assignor.)

Russ Manufacturing Company, The. (See Pilcher, Allen C., and L. C.)

Russel, John W., Columbia, Pa. Combination sink and tub. 1,862,289; Jan. 19.

Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Control means. 1,888,866; Nov. 22.

Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Strainer. 1,892,190; Dec. 27.

Russell, A. N., & Sons Company. (See Rix, William R., assignor.)

Russell, Alan W., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for controlling muffle leers. 1,841,060; Jan. 12.

Russell, Aubine, Quebec, Quebec, Canada, assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Suction roller. 1,862,909; June 14.

Russell, Buford B., assignor to Drying Systems, Inc., Chicago, Ill. Service truck for refrigerators. 1,861,191; May 31.

Russell, Buford B., and S. Forwancher, assignors to Drying Systems, Inc., Chicago, Ill. Lifting hand truck. 1,850,969; Mar. 22.

Russell, Burdsall & Ward Bolt & Nut Company. (See Avis, Samuel W., assignor.)

Russell, Burdsall & Ward Bolt & Nut Company. (See Avis, S. W., and Ames, assignors.)

Russell, Charles D. (See Schroeder, H. F., and Russell.)

Russell, Charles D., Sheboygan, assignor to Ruselite Corporation, Milwaukee, Wis. Alloy. 1,850,355; Mar. 22.

Russell, Charles D., Sheboygan, assignor to Ruselite Corporation, Milwaukee, Wis. Metallurgy. 1,850,416; Mar. 22.

Russell, Charles D., Sheboygan, assignor to Ruselite Corporation, Milwaukee, Wis. Aluminum alloy. 1,850,517; Mar. 22.

Russell, Earl F. (See Anderson, I., and Russell.)

Russell, Edward A. (See Bruce, A. D., Russell, and Manchester.)

Russell, Edward A. (See Gold, E. H., and Russell.)

Russell, Edward A. (See Manchester, T. H., and Russell.)

Russell, Edward A. (See Van Vulpen, J., and Russell.)

Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Vapor regulator. 1,846,440; Feb. 23.

Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible pipe structure. 1,860,956; May 31.

Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible pipe structure. 1,884,266; Oct. 25.

Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Steam heating system for railway cars. 1,884,267; Oct. 25.

Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Vapor regulator. 1,884,268; Oct. 25.

Russell, Edward A., and J. Van Vulpen, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Air conditioning for railway cars. 1,853,459; Apr. 12.

Russell, Fred C., assignor to The Minwool Insulating Company, Toledo, Ohio. Felting, more particularly for insulation blocks. 1,841,678; Jan. 19.

Russell, Fred F., et al. (See Collins, Edward, assignor.)

Russell, Fred F., Oakland, Calif. Clutch. 1,874,358; Aug. 30.

Russell, Frederick C., Altrincham, and J. H. Bradbury, Ashton-on-Mersey, England. Magneto and like shaft coupling. 1,843,787; Feb. 2.

Russell, Frederick T., assignor to Savage Arms Corporation, Utica, N. Y. Ironing machine. 1,873,332; Aug. 23.

Russell, Frederick V., Leytonstone, England, assignor to The Monarch Door Controller Company Limited, and F. V. Russell. Drawbar for vehicles. 1,889,297; Nov. 29.

Russell, George L., Detroit, Mich. Clutch control structure. 1,855,458; Apr. 26.

Russell, Harry L., assignor to Ford Motor Company, Dearborn, Mich. Supercharger for airplane engines. 1,856,153; May 3.

Russell, Homer T., Miami, Okla. Support. 1,889,077; Nov. 29.

Russell, James G. (See Turner, J. L., and Russell.)

Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Control device for shovel cranes. 1,861,511; June 7.

Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Dipper trip and tag line drum mechanism for cranes. 1,865,143; June 28.

Russell, Louis J., Richmond Hill, N. Y. Box. 1,842,205; Jan. 19.

Russell, Louis J., Richmond Hill, N. Y. Package for displaying merchandise. 1,866,323; July 5.

Russell Manufacturing Company, The. (See Fisher, William C., assignor.)

Russell Manufacturing Company. (See Tower, Elmer V. J., assignor.)

Russell Manufacturing Company, The. (See Zimmerer, Frederick J., jr., assignor.)

Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric fixture. 1,886,306; Nov. 1.

Russell, Percy, Swarthmore, Pa., assignor, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Dental chair. 1,887,328; Nov. 8.

Russell, Percy, Swarthmore, Pa., assignor, by mesne assignments, to Ritter Dental Manufacturing Company Inc., Rochester, N. Y. Dental X-ray unit. 1,877,690; Sept. 13.

Russell, Percy, Swarthmore, Pa., A. W. Schramm, Riverton, N. J., and R. S. Woodward, jr., Dongan Hills, assignors, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Dental unit. Re18,416; Apr. 12.

Russell, Richard F., Elmira, N. Y. Chuck. 1,851,525; Mar. 29.

Russell, Robert, Otis, assignor of one-fourth to D. D. Amis, Los Animas, Colo. Disk grinder and polisher. 1,864,376; June 21.

Russell, Robert P., Baton Rouge, La., assignor to Standard-I. G. Company. Treating hydrocarbons. 1,872,011; Aug. 16.

Russell, Robert P., Baton Rouge, La., assignor to Standard-I. G. Company. Manufacture of motor fuel. 1,884,269; Oct. 25.

Russell, Rufus A., jr., Daytona Beach, Fla. Automobile headlight. 1,861,883; June 7.

Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel frame. Des. 86,982; May 17.

Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,844,980; Feb. 16.

Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,861,819; June 7.

Russell Supply Company, et al. (See Cunningham, Mathew A., assignor.)

Russell, Theodore, Naugatuck, Conn. Snap buckle slide. 1,839,896; Jan. 5.

Russell, Theodore, Naugatuck, Conn. Separable buckle. 1,853,884; Apr. 12.

Russell, Theodore, Naugatuck, Conn. Tongue buckle and making same. 1,882,290; Oct. 11.

Russell, Thomas, et al. (See Johnson, George F., assignor.)

Russell, Titus, Albion, Mich. Warm air furnace. 1,841,210; Jan. 12.

Russell, Wallace W., Kansas City, Mo. Highway guard rail. 1,890,751; Dec. 13.

Russell, Wallace W., Kansas City, Mo. Highway guard. 1,892,222; Dec. 27.

Russell, Walter M., Wellesley, Mass., assignor to The Gas Machinery Company, Cleveland, Ohio. Making water gas. 1,867,102; July 12.

Russell, William H., New Haven, Conn. Coin vending mechanism. 1,888,473; Nov. 22.

Russell, William J., Flushing, assignor of one-half to I. R. Stewart, New York, N. Y. Wearing apparel. 1,839,503; Jan. 5.

Russell, Zachary E., assignor to C. M. Warren, guardian of estate of C. W. Warren, doing business as Warren Shade Co., Sauk Rapids, Minn. Cord holding mechanism for shades. 1,862,163; June 7.

Russia Cement Company. (See Holmes, Arnold H., assignor.)

Russo, Domenico, Jersey City, N. J. Automatically turning headlight for vehicles. 1,866,324; July 5.

Russo, Vincent, Rockaway Beach, N. Y. Smoking device. 1,849,640; Mar. 15.

Rust, Friedrich P., Estelline, S. Dak. Animal chute for vehicles. 1,854,673; Apr. 19.

Rust, George A. (See Hawkins, Percy O., assignor.)

Rust, James E., Park Ridge, assignor to G. A. E. Kohler, Chicago, Ill. Reel. 1,839,504; Jan. 5.

Rust, James E., assignor, by mesne assignments, to M. E. Kohler, Chicago, Ill. Magazine reel. 1,867,764; July 19.

Rust, Robert R., Garden City, and C. L. Jones, Pelham, assignors to Dryice Corporation of America, New York, N. Y. Method of and apparatus for making and shaping solid carbon dioxide. 1,870,891; Aug. 9.

Rust, William F., Pittsburgh, Pa. Automatic fastening device. 1,886,123; Nov. 1.

Rustad, Louis L., Minneapolis, Minn. Composite character sign. Des. 86,808; Apr. 19.

Rustad, Louis L., and V. E. Extrom, assignors to Telegraphy Improvements Company, Minneapolis, Minn. Apparatus for recording electrically transmitted signals. 1,844,686; Feb. 9.

Rustin, Louis D. A., Clichy-La-Garenne, and A. J. G. Boland, Vernon, assignors to "Rusbol" Societe a Responsabilite Limitee, Clichy, France. Multiple-way valve. 1,856,226; May 3.

Rutenbeck, Charles J., et al. (See Shontz, Harry W., assignor.)

Rutenber Electric Company. (See Bell, George A., assignor.)

Rusterholz, Viktor, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Wood grinder regulating device. 1,873,982; Aug. 30.

Ruth, Harry W., St. Louis, and A. H. Buermann, Kirkwood, Mo. Pump casing. Des. 87,796; Sept. 20.

Ruth, Joseph P., jr., Denver, Colo. Drain device. 1,861,926; July 19.

Ruth, Joseph P., jr., Denver, Colo. Flotation method. 1,886,979; Nov. 8.

Ruth, William G., Gap, Pa. Cinder spreader. 1,880,155; Sept. 27.

Ruthaldo Company Inc. (See Barthelemy, Henri L., assignor.)

Rutherford, Edward, assignor of one-third to J. W. Rutherford, and one-third to J. Rutherford, Cameron, La. Jaw trap. 1,858,731; May 17.

Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Clothing buckle. 1,851,730; Mar. 29.

Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Fastener element. 1,874,673; Aug. 30.

Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Making fastener elements. 1,890,471; Dec. 13.

Rutherford, Joe, et al. (See Rutherford, Edward, assignor.)

Rutherford, John W., et al. (See Rutherford, Edward, assignor.)

Rutherford, Robert E., Philadelphia, Pa. Method of and apparatus for recording and reproducing electrical impulses. 1,880,780; Dec. 20.

Rutherford, Sant. (See Cearley, Columbus W., assignor.)

Rutherford, William R., assignor of one-fourth to R. R. Cunningham, Spokane, Wash. Pole supporting base. 1,874,359; Aug. 30.

Ruths Accumulator Aktiebolag. (See Ruths, Johannes, assignor.)

Ruths, Johannes, Djursholm, assignor to Ruths Accumulator Aktiebolag, Stockholm, Sweden. Steam plant. 1,887,218; Nov. 8.

Ruths, Robert J., Baltimore, Md. Signal. 1,886,980; Nov. 8.

Ruthsaccumulator Aktiebolag. (See Föhl, Carl, assignor.)

Rutishauser, Donald E., assignor to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated case. 1,845,888; Feb. 16.

Rutishauser, Donald E., assignor to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerating apparatus. 1,880,259; Oct. 4.

Rutkoskie, George A., assignor to The McBee Binder Company, Athens, Ohio. Apparatus for producing wax carbon spots on sheets of paper by impression. 1,869,957; May 31.

Rutkoskie, George A., assignor to The McBee Binder Company, Athens, Ohio. Heat control for wax carboning presses. 1,865,445; July 5.

Rutledge Equipment Company. (See Edwards, Norman D., assignor.)

Rutledge Equipment Company. (See Galbraith, Arch H., assignor.)

Rutledge, George E., assignor to Vassar Swiss Underwear Company, Chicago, Ill. Brassière. 1,863,697; June 21.

Rutledge, George E., assignor to Vassar Swiss Underwear Company, Chicago, Ill. Bathing suit. 1,864,476; June 21.

Rutledge, George E., assignor to Vassar Swiss Underwear Company, Chicago, Ill. Undergarment. 1,871,080; Aug. 9.

Rutledge, James S., Monroe City, Mo. Tire carrier. 1,839,997; Jan. 5.

Rutrle, Frank, Shelby, Mont. Airplane. 1,859,716; May 24.

Rutrle, Frank, Shelby, Mont. Drilling auger. 1,859,717; May 24.

Rüttenauer, Alfred. (See Pirani, M. Ewest, and Rüttenauer.)

Rutter, Argyle R. (See Bradshaw, W. M. and Rutter.)

Ruttiman, Alfred. (See White, F. E., and Ruttiman.)

Ruud, Edwin, Pittsburgh, Pa. Valve. 1,846,814; Feb. 23.

Ruud Manufacturing Company. (See Horton, Ernest J., assignor.)

Ruud Manufacturing Company. (See Humphrey, Herbert S., assignor.)

Ruwitch, Julius, Norway, Mich. Display equipment. 1,861,820; June 7.

Ruwitch, Julius, Norway, Mich. Hanger for rugs and the like. 1,863,030; June 14.

Ruzicka, Leopold, De Bilt, near Utrecht, Netherlands, assignor to Societe Anonyme M. Naef & Cie., Geneva, Switzerland. Preparation of cyclic nonsaturated ketones with more than nine ring members. 1,873,154; Aug. 23.

Ruzicka, Rudolph, Dobbs Ferry, N. Y. Cover paper. Des. 86,639; Mar. 29.

Ruzicka, Rudolph, Dobbs Ferry, N. Y. Cover paper. Des. 86,640; Mar. 29.

Ryan, August W., and F. E. Tubbs, Zanesville, and T. W. Allsworth, assignors to The American Rolling Mill Company, Middletown, Ohio. Sheet piling mechanism. 1,840,370; Jan. 12.

Ryan, Commodore D., Los Angeles, Calif., assignor, by mesne assignments, to Ralph G. Whitlock, Patents, Inc. Clutch mechanism. 1,877,694; Sept. 13.

Ryan, E. T., Iron Works, Inc. (See van Schantz, Gustaf S., assignor.)

Ryan, Edward J., assignor of two-fifths to F. J. Kunn, and one-fifth to H. J. Lorang, St. Louis, Mo. Masking cream. 1,861,165; May 31.

Ryan, F. J., and Company. (See Ryan, Frederick J., assignor.)

Ryan, Frank G., Tulsa, Okla. Ventilating apparatus. 1,885,010; Oct. 25.

Ryan, Frederick J., assignor to F. J. Ryan and Company, Philadelphia, Pa. Stack control. 1,843,340; Feb. 2.

Ryan, George F., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pattern copying machine. 1,844,981; Feb. 16.

Ryan, George F., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Copying lathe. 1,858,402; May 17.

Ryan, George F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pattern copying machine. 1,861,723; May 31.

Ryan, Georgie W. (See Price, Harold W., assignor.)

Ryan, Herl J. (See Hallberg, E. L., and Ryan.)

Ryan, Herl J., Los Angeles, Calif. Athletic field line marker. 1,882,340; Oct. 11.

Ryan, James C., and W. W. Smith, Miami, Fla. Fuel heater and vaporizer. 1,857,044; Nov. 8.

Ryan, James H., St. Louis, Mo. Tile partition. 1,854,314; Apr. 19.

Ryan, James H., St. Louis, Mo. Tile partition. 1,862,831; June 14.

Ryan, James H., St. Louis, Mo. Support for tile partitions. 1,867,329; July 12.

Ryan, John A., Pittsburgh, Pa. Device for changing the tone of the string of a musical instrument. 1,883,410; Oct. 18.

Ryan, John B., New York, N. Y. Automobile. Des. 88,827; Dec. 27.

Ryan, John F., Woodbridge, and C. Stegmayer, Sewaren, assignors to The Murdock Hollow Fire Brick Company, Woodbridge, N. J. Fritting furnace. 1,861,138; May 31.

Ryan, Margaret, Portland, Oreg. Salad table. 1,891,559; Dec. 20.

Ryan, Roger W. (See Gordon, D., and Ryan.)

Ryan, Stephen J. (See Jackson, C. E., and Ryan.)

Ryan, Thomas J., Burnett, Calif. Distilling crude oil. 1,862,942; June 14.

Ryan, William J., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Heat exchanges. 1,874,360; Aug. 30.

Ryba, Charley F., Atwood, Kans. Straw spreader. 1,839,597; Jan. 5.

Rybeck, Adolph W., Milwaukee, Wis. Flexible shaft coupling. 1,841,255; Jan. 12.

Rycroft, Ralph T., Sewaren, assignor to Jewel Steel & Malleable Company, Buffalo, N. Y. Malleable iron casting. 1,874,361; Aug. 30.

Ryden, Eric H., and W. S. Walker, assignors to Consolidated Gas Company of New York, New York, N. Y. Thermostatically controlled valve for air and gas mixers. 1,841,211; Jan. 12.

Ryden, Gunnar. (See Eckland, P. S., and Ryden.)

Ryden, Gunnar. (See Eckland, P., and Ryden, assignors.)

Ryder, Earle A. (See King, A. H., and Ryder.)

Ryder, Earl R., assignor to C. K. Bassett, Buffalo, N. Y. Liquid meter. 1,875,160; Aug. 30.

Ryder, Ely M. T., Yonkers, N. Y. Wheel. 1,891,336; Dec. 20.

Ryder, Frank P., Niagara Falls, N. Y. Stripping roller for string bean harvesters. 1,848,273; Mar. 8.

Ryder, Frank P., Niagara Falls, N. Y. Viner. 1,882,952; Oct. 18.

Ryder, Frank Pittis, Niagara Falls, N. Y. String bean harvester. 1,867,955; July 19.

Ryder, James C., Passaic, N. J., assignor, by mesne assignments, to Petroleum Derivatives Incorporated, New York, N. Y. Distillation apparatus. 1,849,029; Mar. 8.

Ryding, Herbert C., Birmingham, Ala. Method of making rails. 1,885,861; Nov. 1.

Ryen, Ingvald. (See Alexander, N. E., and Ryen.)

Ryerson, James A., jr. (See Hall, Samuel H., assignor.)

Ryerson, William F., jr., Brooklyn, N. Y. Display sign. 1,853,841; Feb. 2.

Ryff & Co. A.-G. (See Ryff, Marta, assignor.)

Ryff, Marta, assignor to Swan Knitting Works Ryff & Co. Ltd., Bern, Switzerland. Undergarment. 1,874,362; Aug. 30.

Ryff, Marta, assignor to Ryff & Co. A.-G., Bern, Switzerland. Garment. 1,876,348; Sept. 6.

Rygmyr, Derven T., Forest City, Iowa. Safety razor. 1,885,768; Nov. 1.

Rykert, Willard C. (See Stoddard, E. S., and Rykert.)

Ryland, Charles F., Wimbledon, London, England. Watchcase. 1,850,216; Mar. 22.

Rylander, William P., San Marcos, Tex. Mattress-supporting spring cover. 1,884,270; Oct. 25.
Ry-Lock Company. (See Rymer, John A., assignor.)
Rymann, Alfred E. (See Wegmann, R., and Rymann.)
Rymer, John A., Berkeley, Calif., assignor, by mesne assignments, to Ry-Lock Company, Ltd., Reno, Nev. Door-lock. 1,843,143; Feb. 2.
Rymes, Christopher E., Lexington, assignor to Edson Manufacturing Corporation, Boston, Mass. Steering gear. 1,845,960; Feb. 16.
Rynveld, Herman, New York, N. Y. Package carton or similar article. Des. 87,489; Aug. 2.
Rypinski, Albert B., Laurelton, N. Y. Folding belt conveyer. 1,849,205; Mar. 15.
Rypinski, Albert B., Laurelton, N. Y. Circuit controller. 1,884,967; Oct. 25.
Rypinski, Albert B., Laurelton, Long Island, N. Y., assignor, by mesne assignments, to Metropolitan Device Corporation. Meter and contact-box. 1,841,850; Jan. 19.
Rypinski, Albert B., Laurelton, Long Island, N. Y., assignor, by mesne assignments, to Metropolitan Device Corporation. Joint. 1,844,409; Feb. 9.
Rypinski, Albert B., Laurelton, N. Y., assignor, by mesne assignments, to Metropolitan Device Corporation. Meter connection box. 1,857,956; Nov. 15.
Ryschewitsch, Eugen, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacture of articles of zirconium oxid. 1,872,101; Mar. 1.
Ryther and Pringle Company. (See Sarvay, D. W., Grieb, and Friz, assignors.)
Rzeminicki, Rudolf, Washington, D. C. Protective clothing. 1,853,460; Apr. 12.
S. C. Patents Limited. (See Seferiadis, Basile, assignor.)
S. and D. Engineering Company. (See Sawtelle, Charles A., assignor.)
S & D Loose Leaf Co. (See Swall, Oscar S., assignor.)
S. F. P. Engine Co., The. (See Sweningson, Louis, assignor.)
S. H. G. Incorporated. (See Wannack, Carl O. assignor.)
S. M. A. Corporation. (See Frohring, William O., assignor.)
S. M. A. Corporation. (See Richards, William F., assignor.)
S. M. A. Corporation. (See Ungnade, Otto, assignor.)
S. O. S. Company, The. (See Brooks, G. W., and Duginski, assignors.)
S. and S. Folding Machine Company. (See Roby, Edward B., assignor.)
S & S Corrugated Paper Machinery Co. (See Stern, Isaac, assignor.)
S. & S. Corrugated Paper Machinery Co. (See Stern, I., and Huether, assignors.)
S-W Hydraulic Laboratories. (See Wentworth, Jesse S., assignor.)
Saacke, Hermann. (See Hausrath, H., and Saacke.)
Saaf, Dirk, assignor to Goodrich Electric Company, Chicago, Ill. Fixture support. 1,842,691; Jan. 26.
Saar, Adolf H., jr., Omaha, Nebr. Time controlled switch. 1,859,469; Nov. 1.
Saathoff, George W., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Fluid transportation apparatus. 1,844,023; Jan. 23.
Sabalitschka, Theodor, Berlin-Steglitz, Germany. Disinfectant. 1,845,059; Feb. 16.
Sabath, Albert, Chicago, Ill. Lamp. Des. 87,279; June 28.
Sabath, Albert, Chicago, Ill. Lamp. 1,863,607; June 21.
Sabath, Albert, Chicago, Ill. Aquarium. 1,871,742; Aug. 16.
Sabatino, Gaetano J., Baltimore, Md. Stitch remover. 1,860,057; May 24.
Sabbah, Camil A. (See Brown, H. D., and Sabbah.)
Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,855,154; Apr. 19.
Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 1,870,027; Aug. 2.
Sabbah, Camil A., and C. C. Herskind, Schenectady, N. Y., assignors to General Electric Company. Electric discharge device. 1,844,687; Feb. 9.
Sabbah, Camil A., Schenectady, and C. F. Whitney, Scotia, N. Y., assignors to General Electric Company. Measurement of rectifier voltages. 1,873,667; Aug. 23.
Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric translating circuit. 1,891,114; Dec. 13.
Sabel, John C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope objective. 1,889,794; Dec. 6.
Sabin, Alvah H., Plushing, assignor, by mesne assignments, to Titanium Alloy Manufacturing, Inc., New York, N. Y., Paint. 1,847,539; Mar. 1.
Sabin, Ford L., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Coke oven door handling machine. 1,870,213; Aug. 2.
Sabin, Raymond E. (See Lewis, G. P., and Sabin.)
Sabit, Sam H., Detroit, Mich. Coin release mechanism for vending machines. 1,868,641; July 26.
Sablik, Ignaz, Stramberg, Czechoslovakia. Powdery material feed apparatus. 1,857,733; Nov. 15.
Sabo, Julius G., Manheim, assignor to The Slaymaker Lock Company, Lancaster, Pa. Padlock. 1,840,469; Jan. 12.
Sacchi, Maria C., administratrix. (See Casale, Luigi.)
Sacco, Joseph. (See Trivillian, Louis, assignor.)
Sacerdoti, Camillo, Milan, Italy. Boat apparatus for lowering lifeboats to the water from ships. 1,892,586; Dec. 27.
Sacerdote, Guido M., Bayside, N. Y. Sheet holder and bookmark. 1,865,590; July 5.
Sachs, Abraham. (See Grier, R. H., and Sachs.)
Sachs, Albert P. (See Beardsley, E. W., and Sachs.)
Sachs, Albert P., assignor to Petroleum Conversion Corporation, New York, N. Y. Converting oils. 1,842,321; Jan. 19.
Sachs, Albert P., assignor to Petroleum Conversion Corporation, New York, N. Y. Removing sulphur from oils. 1,872,349; Aug. 16.
Sachs, Albert P., assignor to Petroleum Conversion Corporation, New York, N. Y. Preventing corrosion by sulphur compounds during conversion of hydrocarbons. 1,873,851; Aug. 23.
Sachs, Edgar. (See Heun, A., and Sachs.)
Sachs, Hugo, Leipzig, Germany. Electromagnetic pick-up. 1,870,205; Aug. 2.
Sachs, Hugo, Leipzig, Germany. Magnet unit. 1,870,753; Aug. 9.
Sachs, Joseph, West Hartford, Conn. Electric meter service appliance. Re18,419; Apr. 12.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,840,978; Jan. 12.
Sachs, Joseph, West Hartford, Conn. Electric meter service appliance. 1,840,979; Jan. 12.
Sachs, Joseph, West Hartford, Conn. Box for inclosing electrical appurtenances. 1,841,212; Jan. 12.
Sachs, Joseph, West Hartford, Conn. Electric meter protecting cabinet. 1,841,213; Jan. 12.
Sachs, Joseph, West Hartford, Conn. Electric appliance inclosing cabinet. 1,843,932; Feb. 9.
Sachs, Joseph, West Hartford, Conn. Switch operating mechanism. 1,843,933; Feb. 9.
Sachs, Joseph, West Hartford, Conn. Inclosed fused switch. 1,843,957; Feb. 9.
Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. Re18,524; July 12.
Sachs, Maximilian, Vienna, Austria, assignor to A. Mauterer, Dortmund, Germany. Joint for iron pilings. 1,888,936; Nov. 22.
Sachs, Morris, assignor to Hickok Manufacturing Company, Rochester, N. Y. Belt. 86,430; Mar. 8.
Sachs, Morris, assignor to Hickok Manufacturing Company, inc., Rochester, N. Y. Belt for personal wear. Des. 87,423; July 19.
Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt. Des. 87,490; Aug. 2.
Sachs Sole Shaping Machine Company. (See Grier, R. H., and Sachs, assignors.)
Sachse, Herman F., assignor to Central Scientific Company, Chicago, Ill. Rheostat. Re18,521; July 12.
Sachse, Herman F., assignor to Central Scientific Company, Chicago, Ill. Rheostat. 1,839,343; Jan. 5.
Sachse, Herman F., assignor to Central Scientific Company, Chicago, Ill. Trip scale. 1,859,604; May 24.
Sachsenmaier, Elwood W., and R. H. Moeller, assignors to Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Stocking. Des. 86,411; Mar. 1.
Sachsenmaier, Elwood W., assignor to Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Hosiery. 1,888,889; Nov. 22.
Sackers, Peter, I. Reinhart, and T. G. Straub, Evansville, Ind. Engraving machine. 1,857,570; May 10.
Sackett, Warren W., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Protecting hood for cigar and cigarette lighters. 1,877,362; Sept. 13.
Sackner, Wade E., and Rapids Fibre Cord Company, Grand Rapids, Mich. Machine for staining paper strips. 1,886,428; Nov. 8.
Sackrider, Frank E., J. J. Conn, and J. V. Calvert, Oklahoma City, Okla. Valve. 1,855,317; Apr. 26.
Saco-Lowell Shops. (See Goodchild, George, assignor.)
Saco-Lowell Shops. (See Lowe, Alfred H., assignor.)
Saco-Lowell Shops. (See Marsh, Henry R., assignor.)
Saco-Lowell Shops. (See Shaw, William, assignor.)
Sadacca, Henri, City Island, N. Y., assignor, by mesne assignments, to The Moorwat Electric Corporation, Bridgeport, Conn. Circuit tap connection. 1,867,381; July 12.
Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Foldable brace for ironing tables and the like. 1,861,613; June 7.
Sadjian, Harry, Philadelphia, Pa. Toothpick dispensing device. 1,891,781; Dec. 20.
Sadler, Max, assignor to Capitol Heel Lining Company, Providence, R. I. Arch-supporting insole. 1,853,998; Apr. 12.
Sadtler, Helena S., Erdenheim, Pa. Transferring dyestuffs to fabrics and porous surfaces. Re18,584; Aug. 30.
Sadtler, Helena S., Erdenheim, Pa. Transfer. 1,865,215; June 28.
Sadtler, Philip B., assignor to Swenson Evaporator Company, Harvey, Ill. Evaporator. 1,846,067; Feb. 23.
Sadtler, Samuel S. (See Hepburn, D. McK., Sadtler, and Cayo.)

Sadtler, Samuel S., Springfield Township, Montgomery County, assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Road composition. 1,868,221; July 19.

Sadtler, Samuel S., Springfield township, assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Bituminous road composition and forming the same. 1,887,018; Nov. 15.

Sadwith, Ryan, Newark, N. J. Drier. 1,888,573; Nov. 22.

Saeger, Charles M., jr., Bowmanstown, Pa. Core or mold binder, containing organic. 1,889,905; Dec. 6.

Saegusa, Eikichi. (See Otsuka, E., and Saegusa.)

Saeks, Alvin L., assignor to Puro Co., Inc., St. Louis, Mo. Deodorant and moth-preventative. 1,886,429; Nov. 8.

Saeizier, Rolla, Toledo, Ohio. Mixture valve. 1,882,953; Oct. 11.

Safe Deposit and Trust Company, The, et al., executors. (See Brogan, Graham W.)

Safe Deposit and Trust Company. (See Stunz, William F., assignor.)

Safe Deposit and Trust Company of Baltimore et al., executors. (See Whitehan, George H.)

Safe Guard Corporation. (See Whitaker, John, assignor.)

Safety Car Heating & Lighting Company, The. (See Cole, Theodore S., assignor.)

Safety Car Heating & Lighting Company, The. (See Godsey, Frank W., assignor.)

Safety Car Heating & Lighting Company, The. (See Hulse, G. E., and Strobell, assignors.)

Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)

Safety Equipment Service Company, The. (See Kimball, Donald L., assignor.)

Safety Equipment Service Company, The. (See Nutt, Buell W., assignor.)

Safety Fumigant Company. (See Houghton, Harry W., assignor.)

Safety Grinding Wheel & Machine Company. (See Vance, Edward L., assignor.)

Safety Grinding Wheel & Machine Company, The. (See Vance, George E., assignor.)

Safety Grinding Wheel & Machine Company, The. (See Weinland, Hermon G., assignor.)

Safety King Corporation. (See King, Frances R., assignor.)

Safety Liquid Fuel Torch Corporation. (See Browning, James H., assignor.)

Safety Mining Company. (See Armstrong, Frank H., assignor.)

Safety Mining Company. (See Ferrell, Dent, assignor.)

Safety Mining Company. (See Hodge, David, assignor.)

Safety Mining Company. (See Kjerstrom, Charles E., assignor.)

Safety Mining Company. (See Kneeland, Frank H., assignor.)

Safety Mining Company. (See Lawson, Lawrence E., assignor.)

Safety Mining Company. (See Lubelsky, Ben L., assignor.)

Safety Mining Company. (See Pierce, H. S., and Sweeney, assignors.)

Safety Steering Control Company. (See Seth, Stephen, assignor.)

Safety Window Device Mfg. Corporation. (See Ruchin, Zan, assignor.)

Safford, Lewis A., Philadelphia, Pa., assignor to Automatic Nut-Thread Corporation, Buffalo, N. Y. Nut threading machine. 1,893,281; May 17.

Safford, Lewis A., and W. D. Tyler, Watertown, N. Y., assignors to The New York Air Brake Company. Combined dust collector and shut-off valve. 1,867,988; July 19.

Saftee Glass Company. (See Worrall, Arthur G., assignor.)

Saftlas, Joseph, Philadelphia, Pa. Tubular knit ribbed fabric. 1,890,416; Dec. 6.

Saftlas, Joseph, Philadelphia, Pa. Producing tubular knit ribbed fabric. 1,890,417; Dec. 6.

Sage Company, Ltd. (See Sage, Herbert R., assignor.)

Sage, Frederick L., Birmingham, Mich., assignor to Chrysler Corporation, Detroit, Mich. Vehicle chassis frame. 1,872,506; Aug. 16.

Sage, Henry P., et al. (See Hammond, Grant, assignor.)

Sage, Herbert R., Los Angeles, Calif., assignor to Sage Company, Ltd. Valve construction. 1,839,413; Jan. 5.

Sage, Herbert R., Los Angeles, Calif. Hot-cap. 1,861,981; June 7.

Sage, Herbert R., Los Angeles, Calif. Plant protector. 1,866,059; July 5.

Sage, Jeanne M., Detroit, Mich. Hair waving device. 1,878,978; Sept. 20.

Sage, Ralph V., Philadelphia, Pa. Running-board for freight cars. 1,842,479; Jan. 26.

Sager, Abraham, Chicago, Ill. Ring. Des. 85,993; Jan. 12.

Sager, Abraham, Chicago, Ill. Ring. Des. 85,994; Jan. 12.

Sager, Irving. (See Abrams, I., and Sager.)

Sager, John L., Los Angeles, Calif. Well drilling structure. 1,891,062; Dec. 13.

Sager, Lee R., assignor of one-third to A. W. Julien, and one-third to Merton A. Pocock, Minneapolis, Minn. Laundry flat piece spreader. 1,891,782; Dec. 20.

Sager Metal Weatherstrip Co. (See Wolff, George F., assignor.)

Sager, Ralph J., and F. L. Coffman, Tiffin, Ohio. Sand, gravel, and chips spreader. 1,848,750; Mar. 8.

Sager, Solomon M., Evanston, Ill. Fountain pen section. 1,886,307; Nov. 1.

Sager, Solomon M., Glencoe, Ill. Swivel joint. 1,839,246; Jan. 5.

Sager, Solomon M., Evanston, Ill. Fountain pen. 1,868,257; July 19.

Sager, Solomon M., Chicago, Ill. Pen-point. 1,876,151; Sept. 6.

Sager, Solomon M., Glencoe, Ill. Feed bar and pen point. 1,885,862; Nov. 1.

Sager, William O., Sea Breeze, assignor of one-fourth to W. J. Shayne, Brighton, and one-fourth to E. B. Smith, Rochester, N. Y. Heating apparatus. 1,853,461; Apr. 12.

Saginaw Manufacturing Co. (See Sadenwater, Charles W., assignor.)

Sague, George, Oakes, N. Y., assignor to George Sague Mfg. Corp. Coating device. 1,886,231; Nov. 1.

Sague, George, Mfg. Corp. (See Sague, George, assignor.)

Sagul, Edward A., Lynchburst, N. J. Muffler. 1,892,009; Dec. 27.

Sahlberg, Rolf K. O., assignor to The Aerocrete Corporation of America, New York, N. Y. Cellular concrete. 1,886,232; Nov. 1.

Sahm, Louis C. (See Hirth, Louis S., assignor.)

Sahnow, Gordon C. and W., Hillsboro, Oreg. Milk cooler. 1,852,219; Apr. 5.

Sahnow, Wilbert. (See Sahnow, G. C. and W.)

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guiding device for sewing machine. 1,855,139; Apr. 19.

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine attachment. 1,863,168; June 14.

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guide for sewing machines. 1,879,521; Sept. 27.

Sailer, Rudolph J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Folder for sewing machines. 1,884,271; Oct. 25.

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine attachment. 1,892,010; Dec. 27.

Sailer, Wilhelm, Schwaan, Germany, assignor to The Mead Research Engineering Company, Dayton, Ohio. Preparing tanning substances. 1,844,018; Feb. 9.

Sailer, Wilhelm, Schwaan, Germany, assignor to The Mead Research Engineering Company, Dayton, Ohio. Treatment of animal skins and pelts. 1,844,019; Feb. 9.

Sailliard, John H., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording machine. 1,868,369; July 19.

Sainderichin, Nicolas. (See Folliet, A., and Sainderichin.)

Saint-Aubin, Emile G., Paris, France, assignor to Linotype and Machinery Limited, London, England. Apparatus for casting curved stereotype plates. 1,855,031; Apr. 19.

St. Clair, Byron W., Lynn, Mass., assignor to General Electric Company. Thermionic measuring instrument. 1,857,216; May 10.

St. Clair, Milton H., assignor to The Switlik Parachute and Equipment Company, Inc., Trenton, N. J. Snap hook for parachute harness. 1,877,702; Sept. 13.

St. Clair, William M., Chicago, Ill. Light proof fabric for window shades and the like. 1,890,869; Dec. 13.

St. Dennis, Harold C., Syracuse, N. Y. Driving finger for surfacing machines. 1,882,676; Oct. 18.

St. Dennis, Harold C., Syracuse, N. Y. Grinding head for lens surfacing machines. 1,891,320; Dec. 20.

St.-Genies, Anne H. J. D., Paris, France. Apparatus for taking cinematographic film views from variable positions. 1,850,641; Mar. 22.

St. George, Frank, and F. W. Cross, Boston, Mass. Automobile theft preventing signal. 1,861,101; May 31.

St. James, Alfred. (See Dainton, Francis M., assignor.)

St. James, Robert T., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,876,089; Sept. 6.

Saint John, Erastus R., New York, N. Y. Roof support for buildings. 1,885,781; Nov. 1.

St. John, Everett, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grade clamp. 1,873,337; Aug. 23.

St. John, Robert L., San Francisco, Calif. Circuit control system. 1,846,620; Feb. 23.

St. Joseph Lead Company. (See Bilhelmer, Earl L., assignor.)

St. Joseph Lead Company. (See Najarian, Herand K., assignor.)

St. Joseph Lead Company. (See Weaton, G. F., and Najarian, assignors.)

St. Louis Carburetor Company. (See Smiley, Alfred M.)

St. Louis Duntile Company. (See Joy, W. P., Amend, and Frauenfelder, assignors.)

St. Louis, George C., Fresno, Calif. Airplane. 1,846,159; Feb. 23.

St. Louis & O'Fallon Coal Company. (See Mintner, Corban, assignor.)

St. Louis Power Shovel Company et al. (See Corner, Douglas C., assignor.)

Saint Martin, Georges, Paris, France. Device playing record with a constant linear speed. 1,892,322; Dec. 27.

St. Marie, Ulric, and G. Bernier, Putnam, Conn. Kneeling stool. 1,856,297; May 3.

St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 1,849,236; May 26.

St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 1,863,830; Oct. 18.

St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Casing for electrical apparatus. 1,887,569; Nov. 15.

St. Pierre, Henry, Worcester, Mass. Buckle. 1,857,217; May 10.

St. Pierre, Henry, Worcester, Mass. Antiskid device. 1,879,584; Sept. 27.

St. Pierre, Octave J., Chicago, Ill. Kitchen utensil. 1,886,917; Nov. 8.

St. Regis Paper Company. (See Boyer, Frederick G. L., assignor.)

St. Regis Paper Company. (See Deacon, J. H., and Hartmans, assignors.)

St. Regis Paper Company. (See Dorrington, N. E., and Peterson.)

St. Regis Paper Company. (See Hartman, Carl H., assignor.)

St. Regis Paper Company. (See Marsh, Esli A., assignor.)

St. Regis Paper Company. (See Menke, Edward W., assignor.)

St. Regis Paper Company. (See Peterson, William R., assignor.)

St. Regis Paper Company. (See Redington, John C., assignor.)

Sainte-Claire-Deville, Etienne, assignor to Societe des Etablissements Gaumont, Paris, France. Braking device for cinematographic spools. 1,868,078; July 19.

Ste Marie, Emery, et al. (See Brien, Joseph R., assignor.)

Ste. Marie, Henri, et al. (See Brien, Joseph R., assignor.)

Saives, Léon, Brillancourt, assignor to L. Renault, Brillancourt, Seine, France. Electric holder. 1,841,214; Jan. 12.

Saives, Léon, Billancourt, assignor to L. Renault, Billancourt, Seine, France. Door holding device. 1,842,734; Jan. 26.

Saives, Léon, assignor to L. Renault, Billancourt, France. Clutch mechanism for motor vehicles. 1,853,230; Apr. 12.

Saives, Léon, assignor to Louis Renault of Brillancourt, Seine, France. Door of road vehicles. 1,857,696; May 10.

Saives, Léon, assignor to L. Renault, Billancourt, France. Change speed device. 1,861,884; June 7.

Saives, Léon, assignor to L. Renault, Billancourt, France. Suspension spring connection. 1,862,943; June 14.

Saives, Léon, assignor to Louis Renault, Billancourt, France. System of lubrication for vehicles. 1,874,809; Aug. 30.

Saives, Léon, assignor to Louis Renault, Billancourt, France. Electrically-controlled milling machine for metal. 1,874,810; Aug. 30.

Saives, Leon, assignor to L. Renault, Billancourt, France. Metallic flooring and laying the same. 1,888,937; Nov. 22.

Sak, Søren, Charlottenlund, Denmark. Yeast propagation controlling method. 1,891,841; Dec. 20.

Sak, Søren, Charlottenlund, Denmark. Controlling yeast propagation. 1,884,272; Oct. 25.

Sakamoto, Kyugoro, Hamamatsu, Japan. Adjusting stopping-position of shuttles of power looms. 1,863,127; June 14.

Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Bathtub. Des. 86,935; May 10.

Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Bathtub. Des. 86,936; May 10.

Saklatvalla, Byramji D., Carteret, N. J., assignor to Vanadium Corporation of America, Bridgeville, Pa. Treatment of titanium and iron containing materials. 1,845,342; Feb. 16.

Saklatwalla, Byramji D., Crafton, Pa., assignor to Vanadium Corporation of America, Bridgeville, Pa. Ferrosilumininum silica alloy. 1,853,229; Apr. 12.

Sakowicz, Boleslaw, assignor of one-half to F. Waslewski, Chicago, Ill. Valve lock. 1,856,266; May 3.

Saks & Company. (See Cartwright, Herbert L., assignor.)

Saks, Ira. (See Spase, Charles B., assignor.)

Saks, Vadim V., assignor to Filtrators Limited, London, England. Apparatus for the treatment of feed water. 1,855,990; Apr. 26.

Sala, Ramón. (See Mendoza, E., and Sala.)

Saladino, C., & Sons, Inc. (See Saladino, Joseph and S., assignors.)

Saladino, Joseph and S., assignors to C. Saladino & Sons, Inc., Chelsea, Mass. String. 1,865,214; June 28.

Saladino, Salvatore. (See Saladino, Joseph and S.)

Salaman, Raphael A., Royston, England. Control of steering and like hitching system. 1,874,511; Aug. 30.

Salamon, William, Brooklyn, N. Y. Cradle. 1,842,290; Jan. 19.

Salatie, Frederick, jr., Los Angeles, assignor to G. K. Freeman, Santa Barbara, Calif. Tree surgery. 1,844,372; Feb. 9.

Salbador, Ramon, New Orleans, La. Pipe coupling seal. 1,839,598; Jan. 5.

Salcedo, Ferdinand G., Quantico, Va. Sound reproducing apparatus for advertising purposes. 1,873,790; Aug. 23.

Salcman, Sabin K., Korycin, Bialystok, Poland. Adjustable oar for rowboats. 1,849,851; Mar. 15.

Sale, Joseph J., Fayetteville, W. Va. Retainer valve. 1,856,821; May 3.

Sale, William H., Richmond, Va. Car coupler. 1,850,943; Mar. 22.

Salem China Company, The, et al. (See McMaster, Harry J., assignor.)

Salem Glass Works. (See Garvey, Wallace E., assignor.)

Salem Pottery Company, The. (See Ault, Frank, assignor.)

Salem Pottery Co., The. (See Stanway, John G., assignor.)

Salem Tool Company, The. (See Powell, Laurence, assignor.)

Salender, Lambert A. (See Smith, R. R., Songer, and Salender.)

Salenius, Elise S. (See Salenius, Erik G. N., assignor.)

Salenius, Erik G. N., assignor to E. Sam. Salenius, Stockholm, Sweden. Separating or churning. 1,866,489; July 5.

Salerni, Nocbolas B. Indianapolis, Ind. Irrigator valve. 1,845,343; Feb. 16.

Salerni, Piero M., Westminster, England. Power transmission mechanism. 1,863,110; June 14.

Salerni, Piero M., Westminster, England. Power transmission mechanism. 1,863,128; June 14.

Sales, J. G., et al. (See Bowen, Aubrey C., assignor.)

Sali, Enrique M. Y., Santiago de Cuba, Cuba. Bottle cap 1,857,793; May 10.

Saliba, George J., and A. G. Mussawir, Brooklyn, N. Y. Sound record slot machine. 1,879,522; Sept. 27.

Saliger, Alois B., New York, N. Y. Automatic time-controlled suggestion machine. 1,886,358; Nov. 1.

Salinas, Gustavo A., New York, N. Y., assignor to T. R. Brooks, Scranton, Pa. Electrical switch. 1,855,612; Apr. 26.

Salinas, Gustavo A., New York, N. Y., assignor to T. R. Brooks, Scranton, Pa. Switch for electrical systems. 1,857,875; May 10.

Salinas, Melchor, Monterrey, Mexico. Shelling cotyledonous vegetables. 1,866,949; July 12.

Salinger, Gus. (See Teschel, G. R., Salinger, and Isaacson.)

Salisbury, Carl D., Cleveland, Ohio, assignor, by mesne assignments, to The Winton Engine Corporation. Valve gear for internal combustion engines. 1,842,426; Jan. 26.

Salisbury, Carl D., Cleveland, Ohio, assignor, by mesne assignments, to The Winton Engine Corporation. Auxiliary pump system for V type engines. 1,846,979; Feb. 23.

Salisbury, Carl D., assignor to Winton Engine Corporation, Cleveland, Ohio. Fuel injection means. 1,852,191; Apr. 5.

Salisbury, Carl D., assignor to Winton Engine Corporation, Cleveland, Ohio. Fuel injection means. 1,864,800; June 28.

Salisbury, Charles K., Mount Vernon, Ohio. Dandelion and buckhorn header. 1,886,638; Nov. 22.

Salisbury, Hervey M. (See Miller, A. E., and Salisbury.)

Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Automatic stabilizer for airplane control levers. 1,842,952; Jan. 26.

Salisbury, Hervey M., Walnut Grove, and Arthur E. Miller, Sacramento, Calif. Gyroscopic airplane. 1,875,891; Sept. 6.

Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Prong buckle. 1,864,221; June 21.

Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Loop slide buckle. 1,868,672; July 26.

Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,875,933; Sept. 6.

Salisbury, John M., New Orleans, La. Oil burner. 1,851,871; Mar. 29.

Salisbury, Moses B., Chicago, Ill. Making rubber sleeves. 1,885,951; Nov. 1.

Salisbury, Ralph, Lancaster, Calif. Air compressor. 1,866,822; July 12.

Salisbury, William, Toledo, Ohio. Tile for soil sterilization. 1,875,395; Sept. 6.

Salisbury, William, Toledo, Ohio. Method and apparatus for soil sterilization. 1,875,504; Sept. 6.

Salisbury, Winfield W., Berkeley, Calif. Wave filter impedance-coupled amplifier. 1,869,715; Aug. 2.

Salkeld, Howard B. (See Von Hilderbrandt, Paul G., assignor.)

Salomon, Ivan J., Baltimore, Md. Umbrella and case therefor. 1,891,184; Dec. 13.

Sallee, Louis H., Long Beach, assignor to J. F. Meyer, Hollywood, Calif. Vending machine. 1,878,894; Sept. 20.
Sallee, Webster L., Cleveland, Ohio. Method and apparatus for burning liquid fuels. 1,860,958; May 31.
Sallee, Webster L., Rocky River, Ohio. Drying apparatus and process. 1,876,025; Sept. 6.
Salling, Link H. (See Reed, H. M., and Salling.)
Salop, Harry A., New York, N. Y. Combination automobile and power unit. 1,858,679; Apr. 12.
Salop, Harry A., New York, N. Y. Adjustable automobile panel cover. 1,856,115; May 3.
Salman, James P., Philadelphia, Pa. Driving piles. 1,852,903; Apr. 5.
Salmon, Benjamin J., Melrose Park, assignor of one-half to J. Fleming, Chicago, and one-fourth to F. H. Partridge, Barrington, Ill. Heating and supporting means for electric irons. 1,851,683; Mar. 29.
Salmon, James P., Philadelphia, Pa. Restoring drills. 1,841,635; Jan. 19.
Salmon, James P., Philadelphia, Pa. Grapnel. 1,858,941; May 17.
Salmon, James P., Philadelphia, Pa. Pipe connecter. 1,866,672; July 12.
Salmon, Reginald D. (See Creed, F. G., Storey, and Salmon.)
Salmon, Reginald D., assignor to Creed & Co., Ltd., Croydon, England. Telegraph code transiating apparatus. 1,840,057; Jan. 5.
Salmon, Reginald D., assignor to Creed and Company, Limited, Croydon, Surrey, England. Mechanical relay. 1,855,204; Apr. 26.
Salmon, Reginald D., assignor to Creed & Company, Limited, Croydon, England. Speed governor. 1,868,616; July 26.
Salmon, Reginald D., assignor to Creed and Company, Limited, Croydon, England. Start-stop mechanism. 1,873,525; Sept. 27.
Salmon, Reginald D., and H. Clifford, assignors to Creed and Company, Limited, Croydon, England. Mechanically actuated vibrator relay. 1,879,523; Sept. 27.
Salmon, Reginald D., and F. R. Thomas, assignors to Creed and Company, Limited, Croydon, England. Telegraph system and apparatus. 1,879,524; Sept. 27.
Salmon, Reginald D., and S. E. Kirk, assignors to Creed and Company, Limited, Croydon, England. Motor control device for telegraph and like signaling apparatus. 1,882,954; Oct. 18.
Salmon, Reginald G., Barkingside, assignor of one-half to The British Steel Piling Company, Limited, London, England. Pile driver. 1,879,993; Sept. 27.
Salmond, John, assignor to Union Oil Company of California, and Angeles, Los, Delaware, Del. for fire extinguishing chambers. 1,847,628; Mar. 1.
Salmond, Sam, & Son. (See Whitlock, Le Grand G., assignor.)
Salmonson, Carl E., Milford, Conn. Vibrator. 1,848,844; Mar. 8.
Salomon, Robert. (See Maag, M., and Salomon.)
Salomon, Robert, Neuilly sur Seine, France. Machine for the drawing of glass into tubes or rods. 1,868,397; July 19.
Salsbery, Morris, Scranton, Pa. Window screen. 1,877,596; Sept. 13.
Salsbury, Ralph P., Oakland, Calif. Bottle filler and capper. 1,866,673; July 12.
Salstrom, Clarence H. (See Harris, C. L., jr., and Salstrom.)
Salt Lake Stamp Company. (See Archbold, Charles A., assignor.)
Saltnass, Arle M., Minneapolis, Minn. Drafting instrument. 1,868,343; July 17.
Saltzman, Auguste L., Orange, N. J., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Cable. 1,879,219; Sept. 20.
Salvage Process Corporation. (See Cross, Walter M., assignor.)
Salvage Process Corporation. (See Drake, Lewis F. V., assignor.)
Salvati, Dominick. (See Le Quornik, H., and Salvati.)
Salvi, Alessandro, Milan, Italy. Antivibrating self-balanced suspension clamp. 1,889,812; Dec. 6.
Salzgeber, Gustave A., East Milton, Mass. Magnetic compass. Re18,474; May 17.
Salzgeber, Gustave A., East Milton, Mass. Magnetic compass. 1,840,133; Jan. 5.
Salzman, George S., Cleveland Heights, assignor to The Monarch Products Company, Cleveland, Ohio. Clutch plate. 1,868,543; July 26.
Samaia, Dino, Milan, Italy. Bomb-thrower divisible in two parts adapted to be carried on man's back. 1,850,034; Mar. 15.
Samantas, Nicholas, San Francisco, Calif. Permanent hair waving device. 1,886,051; Nov. 1.
Samantes, Nicholas, San Francisco, assignor of one-half to Charles F. Johnston, Oakland, Calif. Comb. 1,874,630; Aug. 30.
Samartino, Anthony, Philadelphia, Pa. Propelling mechanism. 1,846,404; Feb. 23.
Samburg, Maurice, et al. (See Degener, G. O., and Hochman, assignors.)
Samburg, Maurice. (See Hochman, Julius C., assignor.)
Samburg, Maurice. (See Hochman, J. C., and Degener, assignors.)
Samburg, Maurice, Brooklyn, assignor to Lock Patents Holding Corporation, New York, N. Y. Lock. 1,861,139; May 31.
Samburg, Maurice, Brooklyn, assignor to Lock Patents Holding Corporation, New York, N. Y. Lock. 1,861,140; May 31.
Samburg, Maurice, Brooklyn, assignor to Lock Patents Holding Corporation, New York, N. Y. Lock. 1,861,141; May 31.
Samet, Emanuel. (See Lockwood, P. M., and Samet.)
Samesreuther & Co., G. m. b. H. (See Samesreuther, R., and Kranzlein, assignors.)
Samesreuther, Richard, Butzbach in Hessen, and G. Kranzlein, Hochst-on-the-Main, assignors of one-half to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, and one-half to Samesreuther & Co., G. m. b. H., Butzbach in Hessen, Germany. Heat exchange wall for containers. 1,841,762; Jan. 19.
Samuartino, Fasco, Providence, R. I. Finger-ring. 1,842,427; Jan. 26.
Sammer, Michael J., Elizabeth, N. J. Remote control systems. 1,844,688; Feb. 9.
Sammis, Donald S. (See Billings, C. E., and Sammis.)
Sammis, Donald S., Stratford, assignor to The New Haven Sand Blast Company, New Haven, Conn. Sand blast apparatus. 1,877,255; Sept. 13.
Sammis, Donald S., Stratford, assignor to The New Haven Sand Blast Company, New Haven, Conn. Tube actuating machine. 1,887,434; Nov. 8.
Samms, Horace, assignor to American Manganese Bronze Company, Holmesburg, Philadelphia, Pa. Plug cock. 1,879,526; Sept. 27.
Samphere, Orin C., West Allis, Wis. Necktie. 1,873,333; Aug. 23.
Sample, Fleck W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Closing and sealing an opening in a metal container. 1,887,435; Nov. 8.
Sample, James D., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,869,915; Aug. 2.
Sample, Walter C., assignor of one-fourth to O. J. Lovik, Alhambra, Calif. Paint. 1,891,451; Dec. 20.
Sample, Warren M., Muncie, Ind. Golf ball washer. 1,852,291; Jan. 19.
Sampson, Frederick W., assignor to Continental Motors Corporation, Detroit, Mich. Brake. 1,874,363; Aug. 30.
Sampson, Frederick W., Detroit, Mich., and J. W. Tatter, Chicago, Ill.; said Sampson assignor to Continental Motors Corporation, Detroit, Mich., and said Tatter assignor to Lewis Foundry & Machine Company, Chicago, Ill. Brake. 1,886,594; Nov. 8.
Sampson, James M., Schenectady, N. Y., assignor to General Electric Company. Foundry core and binder therefor. 1,867,382; July 12.
Sampson, John C., St. Louis, Mo. Radio lead or aerial. 1,885,155; Apr. 19.
Sampson, Lewis F. (See Freedman, M., and Sampson.)
Sampson, Phillip O., Starlight, Pa. Tool. 1,839,805; Jan. 5.
Sampson, Raphael. (See Rosenberg, Edgar D., assignor.)
Samson, Torsten, assignor to Aktiebolaget Nordiska Armaturfabriterna, Stockholm, Sweden. Arrangement in sieves for cellulose digesters and the like. 1,889,731; Nov. 29.
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samuel, Richard H., Hoboken, N. J. Coil. 1,852,938; Apr. 5.
Samuel, William J., Chatham, England. Automatic theft prevention device. 1,874,812; Aug. 30.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric toaster. Des. 87,172; June 14.
Samuels, Albert. (See Lohman, Harry C., assignor.)
Samuels, Albert S., San Francisco, Calif. Ring. Des. 87,445; July 26.
Samuels, George B., Burlington, Kans. Locking mechanism. 1,884,879; Mar. 1.
Samuels, Harry H., New York, N. Y. Germicidal transmitter mouthpiece. 1,867,282; July 12.
Samuels, Maurice M., New York, and T. Bocek, Brooklyn, N. Y. Electrical switch. 1,852,336; Apr. 5.
Samuels, Rudolph, assignor to Lucien Lelong, Inc., Chicago, Ill. Bottle or similar article. Des. 86,094; Jan. 26.
Samuels, Russell R., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apron tension device. 1,860,623; May 31.
Samuelson, Frank E., Jamestown, N. Y. Tray. 1,885,483; Nov. 1.
Samuelson, Samuel, assignor to The Chain Products Company, Cleveland, Ohio. Wire chain. 1,840,605; Jan. 12.
San Antonio Drug Company. (See Linscott, Harry J., assignor.)
Sanborn, Arthur H., assignor to Yaxley Manufacturing Company, Chicago, Ill. Thermomotive device. 1,854,809; Apr. 19.
Sanborn, Arthur H., assignor to Yaxley Manufacturing Company, Chicago, Ill. Thermomotive device. 1,854,810; Apr. 19.
Sanborn, Augustus M., Porterville, Calif. Spray pump. Des. 88,323; Nov. 15.
Sanborn, Francis A. (See Hach, C. A., and Sanborn.)

Sancton, Arthur H., assignor to Hardinge Company, Incorporated, York, Pa. Method and apparatus for preparing and feeding pulverized fuel. 1,875,934; Sept. 6.
Sand, George H., Cincinnati, Ohio. Type justifying mechanism. 1,845,849; Feb. 16.
Sand, John, Newark, N. J., assignor to Gemex Company. Foldable extension device for a bracelet strap. 1,861,029; May 31.
Sand, John M., Garvin, Minn. Cooler. 1,854,070; Apr. 12.
Sandage, Jacob R., Chicago, Ill. Pump. 1,880,494; Oct. 4.
Sandahl, George, jr. (See Dorff, L. A., and Sandahl, jr.)
Sandberg, Albert G. (See Sandberg, Egnar, assignor.)
Sandberg, Egnar, assignor of one-third to A. G. Sandberg, and one-third to Mark D. Bohen, Minneapolis, Minn. Vending machine. 1,868,222; July 19.
Sandberg, Nels H., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. Discharge device for belt conveyors. 1,845,562; Feb. 16.
Sandberg, Nels H., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. System for treating waste paper. 1,847,263; Mar. 1.
Sandberg, Nels H., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. Distributing device for waste paper. 1,847,264; Mar. 1.
Sandberg, Nels H., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. Sorting device for waste paper. 1,847,265; Mar. 1.
Sandberg, Nels H., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. Box crusher. 1,867,207; July 19.
Sandborn, Lloyd T. (See Lawson, W. E., and Sandborn.)
Sandeen, Ernest C., St. Paul, Minn. Disk pulverizer. 1,884,273; Oct. 25.
Sandelin, Casper W., assignor to Libby Oil and Chemical Co., Rockford, Ill. Insecticide dispenser. 1,846,068; Feb. 23.
Sandel, Albert L., Chicago, Ill. Lamp. Des. 87,855; Sept. 27.
Sandel, Hans H., Brooklyn, N. Y. Self-contained air filtering and cooling apparatus. 1,848,578; Mar. 8.
Sandel Manufacturing Co. (See Krueger, Art, assignor.)
Sandelin, Carl, New York, N. Y. Textile fabric or the like. Des. 88,674; Dec. 13.
Sandell, Henry W., assignor to Mills Novelty Company, Chicago, Ill. Television lamp. 1,847,308; Mar. 1.
Sandelman, Edward K. (See Rendall, A. R. A., and Sandelman.)
Sandeman, Edward K., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical wave transmission device. 1,849,641; Mar. 15.
Sandeman, Edward K., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Transmission system for telephony. 1,885,144; Nov. 1.
Sandeman, Edward K., and L. E. Currah, Aldych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Dot insertion. 1,875,935; Sept. 6.
Sandeman, Edward K., P. R. Thomas, and S. H. Grove Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Submarine cable. 1,891,244; Dec. 20.
Sanderman, Ronald L., Benlon, Scotland. Manufacture of chenille. 1,842,692; Jan. 26.
Sander, Henry C., Asbury Park, N. J. Attachment for food choppers. 1,876,671; Sept. 6.
Sander, Willy, assignor to the Firm of C. Zeiss, Jena, Germany. Coordinate transformer. 1,861,192; May 31.
Sanders, Albert, Garden City, N. Y. Buckle. 1,850,944; Mar. 22.
Sanders, Arthur H., Fresno, Calif. Treatment of dried fruits and raisins. 1,886,233; Nov. 1.
Sanders, Charles Derbit, Belch, assignor to Binks Manufacturing Co., Chicago, Ill. Reserve pressure tank system. 1,892,535; Dec. 27.
Sanders, Crawford B., Wyandotte, Mich. Pump. 1,888,474; Nov. 22.
Sanders, Edgar L., assignor of one-half to Walter J. Sanders, Chicago, Ill. Line impression equalizer. 1,882,955; Oct. 18.
Sanders, Ernest, Detroit, Mich. Show case. 1,850,417; Mar. 22.
Sanders, Fred. (See Lane, T. E., and Welch, assignors.)
Sanders, George E., Brooklyn, N. Y. Making insecticides floatable. 1,847,540; Mar. 1.
Sanders, George E., New York, N. Y. Dusting powder and manufacturing same. 1,870,383; Aug. 9.
Sanders, George F., Batesville, Ark. Canvassing appliances. 1,874,631; Aug. 30.
Sanders, Henry A., Beaumont, Tex. Flashing block. 1,882,192; Oct. 11.
Sanders, Johann A., et al. (See Sanders, Ludwig A., assignor.)
Sanders, John C. (See Monteith, C. N., Minshall, and Sanders.)
Sanders, Joseph O'H., Greenwood, S. C. Fire door. 1,846,149; Feb. 23.
Sanders, Leo I., Estherville, Iowa. Ice cream disher. 1,888,739; Nov. 22.
Sanders, Ludwig A., assignor to J. A. Sanders, Voorburg, and F. Lambert Stoot, The Hague, Netherlands. Flying machine. 1,855,652; Apr. 26.
Sanders, Ludwig A., assignor to J. A. Sanders, Voorburg, and F. L. Stoot, The Hague, Netherlands. Flying boat. 1,890,021; Dec. 6.
Sanders, Marion S., Bristol, Va. Gasket. 1,884,879; Oct. 25.
Sanders, Maurice, assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Doll. 1,876,133; Sept. 6.
Sanders, Maurice, assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Doll. 1,880,109; Sept. 27.
Sanders, Richard W., Chicago, Ill. Coaster. Des. 87,415; July 19.
Sanders, Rudolph M., assignor to Adartcraft, Inc., New York, N. Y. Display device. 1,887,946; Nov. 15.
Sanders, Walter J. (See Sanders, Edgar L., assignor.)
Sanders, William H., Gastonia, N. C. Flyer presser. 1,848,443; Feb. 16.
Sanderson, James R. (See Blaney, William T., assignor.)
Sanderson, John W., et al. (See Priest, Roland C., assignor.)
Sanderson, Joseph H. (See Joyce, L. W., and Sanderson.)
Sandlander, Ernest, Freeport, assignor to H. P. Andrews Paper Company, New York, N. Y. Envelope making machine. 1,856,659; May 3.
Sandland, Dent. (See Reeder, O. H., and Sandford.)
Sandham, Walter E., Los Angeles, Calif. Adjustable guide for molding flasks. 1,856,509; May 3.
Sandifur, Claude W. (See Gray, C. W., Burdick, Moore, and Sandifur.)
Sändig, Kurt. (See Schelber, J., Sändig, and Blumer.)
Sandig, Maxmilian, and D. Buck, Vienna, Austria. Toothbrush. 1,885,950; Nov. 1.
Sandin, Jerome, Penn Township, Allegheny County, and H. J. Crabbs, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,851,731; Mar. 29.
Sandkuhl, Herrmann, Buderich, assignor to Firm Rheinische Kampfer-Fabrik, Gesellschaft mit beschrankter Haftung at Dusseldorf-Oberkassel, Germany. Production of ketones from secondary alcohols. 1,892,011; Dec. 27.
Sandler, Louis, assignor to Johnson Bronze Company, New Castle, Pa. Bearing. 1,862,279; June 7.
Sandler, Louis, assignor to Johnson Bronze Company, New Castle, Pa. Feed mechanism for broaching machines. 1,864,322; June 21.
Sandler, Louis, assignor to Johnson Bronze Company, New Castle, Pa. Bearing. 1,882,956; Oct. 18.
Sandler, Myron, New York, N. Y., assignor to C. S. Albert, Springfield, Mass. Buckle device. 1,845,344; Feb. 16.
Sandling, Elmer A., Merced, Calif. Smoking device. 1,878,714; Sept. 20.
Sandman, William J., Louisville, Ky. Battery container. 1,858,890; Nov. 22.
Sando, Briant, and T. E. George, assignors to Briant Specialty Company, Incorporated, Indianapolis, Ind. Game ball release. 1,864,900; June 28.
Sandor, Nikolaus, London, England. Producing fine bubble foam. 1,856,510; May 3.
Sandow, Thomas H., Wilkes-Barre, Pa. Vehicle parking indicator. 1,853,580; Apr. 12.
Sandquist, Edwin G., Wilmington, Calif. Baby sanitary toilet seat. 1,886,595; Nov. 8.
Sandquist, Oscar A., Coral Gables, Fla. Seaplane runway. 1,859,987; May 24.
Sandqvist, Håkan, and T. O. H. Lindström, Stockholm, Sweden. Preparing lyo-phile products of fatty substances of any origin. 1,884,274; Oct. 25.
Sandrinelli, Francesco, Veltern, Switzerland. Adjustable lubrication device for the molds of monotype casting machines. 1,881,298; Oct. 4.
Sands, A. B., & Son Company. (See Allan, Percy, assignor.)
Sands, Charles F. (See Lonaberger, R. F., and Sands.)
Sands, Jacob A. (See Barnes, J. S., and Sands.)
Sands Manufacturing Company, The. (See Hamilton, Paul H., assignor.)
Sand Spun Patents Corporation. (See Barr, Clarence D., assignor.)
Sand Spun Patents Corporation. (See Smith, Murphy D., assignor.)
Sandstrom, Charles O. (See Rifenberick, W. L., and Sandstrom.)
Sandstrom, Charles O., Los Angeles, Calif. Heat exchanger. 1,875,663; Sept. 6.
Sandstrom, Felix C., Milwaukee, Wis., assignor to International Harvester Company. Speed indicator. 1,890,495; Oct. 4.
Sandura Company. (See Baldwin, Julian T., assignor.)
Sandvik, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film for sound and picture purposes. 1,880,496; Oct. 4.
Sandwick, Robert, Scobey, Mont., and E. Dahlstrom, Jamestown, N. Dak. Air humidifying furnace. 1,862,985; June 14.
Sanford, Bert J., assignor to Bendix Brake Company, South Bend, Ind. Trailer truck. 1,872,823; Aug. 23.
Sanford, Carleton R. (See Hickman, K. C. D., Sanford, and Weverts.)
Sanford, George D., Clinton, N. C. Signaling device for automobiles. Des. 87,646; Aug. 23.

Sanford, George R. (See Torrey, Bates, jr., and Sanford.)
Sanford, Hugh W. (See McCallen, Perry S., assignor.)
Sanford, Hugh W. (See Sanford, H. W., and McCallen, assignors.)
Sanford, Hugh W., Knoxville, Tenn. Railway car construction. 1,839,267; Jan. 5.
Sanford, Hugh W., Knoxville, Tenn. Wheel and axle structure. 1,840,412; Jan. 12.
Sanford, Hugh W., Knoxville, Tenn. Railway. 1,875,506; Sept. 6.
Sanford, Hugh W., Knoxville, Tenn. Wheel and axle. 1,882,957; Oct. 18.
Sanford, Hugh W., and W. O. McKamey, Knoxville, Tenn. Mine car. 1,875,505; Sept. 6.
Sanford, Hugh W., and F. S. McCallen, Knoxville, Tenn., assignors, by mesne assignments, to said Hugh W. Sanford. Mine car. 1,851,214; Mar. 29.
Sanford Investment Company. (See Jones, Harry W., assignor.)
Sanford Investment Company. (See Marland, J., and Griffith, assignors.)
Sanford Manufacturing Co. (See Griswold, Harold T., assignor.)
Sanford Mills. (See Clark, Frank W., assignor.)
Sanford Mills. (See Senior, John T., assignor.)
Sanford, Ross T. (See Grebe, J. J., and Sanford.)
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake lining. 1,853,006; Apr. 5.
Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Aeroplane. 1,862,280; June 7.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Retarding mechanism. 1,865,591; July 5.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,876,077; Sept. 6.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,876,349; Sept. 6.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,877,597; Sept. 13.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,884,275; Oct. 25.
Sanford, Selden B., Yonkers, assignor to Otis Elevator Company, N. J. Fox, New York, N. Y., and B. Kitchin, San Mateo, Calif., doing business as a syndicate under the name of Filtrators Company. Making mucilaginous extract from seeds. 1,841,763; Jan. 19.
Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
Sangamo Electric Company. (See Wilmeth, Roscoe H., assignor.)
Sangdahl, Arthur E. (See Keown, John M., assignor.)
Sanger, Harry G., Detroit, Mich., assignor to Grahm-Paige Motors Corporation. Manifold construction. 1,863,934; June 21.
Sangerr, John H. (See Mosel, J. H., and Sangerr.)
Sangers, John C., Cleveland, Ohio. Mattress stand. 1,859,636; May 24.
Sanglier, Armand, Bacon-Les-Bruyeres, René Sanglier, Bois-Colombes, and H. Sanglier, Versailles, France. Machine for marking fur bearing skins. 1,841,256; Jan. 12.
Sanglier, Henry. (See Sanglier, A. R. and H.)
Sanglier, René. (See Sanglier, A. R. and H.)
Sangsland, Samuel A., St. Paul, Minn. Safety device for lunatic asylum doors. 1,887,519; Nov. 15.
Sanguinet, Edward A., Webster Groves, Mo. Bird or animal feeding device. 1,845,724; Feb. 16.
Sanicut Manufacturing Company. (See Pershall, Ralph H., assignor.)
Sanitary Public Service Corporation. (See Doane, Leroy C., assignor.)
Sanitary Public Service Corporation. (See Stahly, William, assignor.)
Sanitation Holding Corporation. (See Battistella, Francis C., assignor.)
Sanite Corporation. (See Neidich, Samuel A., assignor.)
Sanite Corporation. (See Whitehouse, John N., assignor.)
Sani-Toil Trust Association. (See Connors, William J., assignor.)
Sankey, Clinton E., Ellwood City, Pa. Foot protector. 1,884,276; Oct. 25.
Sankey, Clinton E., Elwood City, Pa. Foot protector. 1,888,609; Nov. 22.
Sankey, Henry C., assignor to Alvey Manufacturing Company, St. Louis, Mo. Feed regulating device for elevators. 1,850,418; Mar. 22.
Sano, Karel M. (See Hatton, W., and Sano.)
Sano, Tomitaro, Fresno, Calif. Match safe. 1,862,944; June 14.
Sanson, Joseph, New Philadelphia, Ohio. Fastener. 1,874,632; Aug. 30.
Sanson, Stanton D., Philadelphia, Pa. Stocking. Des. 87,083; May 31.
Sansone, Joseph, Jersey City, N. J. Permanently attached collar button. 1,879,527; Sept. 27.
Sansone, Lorenzo, New York, N. Y. Mute. 1,855,423; Apr. 26.
Sansone, Lorenzo, and C. Franco, New York, N. Y. Percussion instrument. 1,892,223; Dec. 27.
Santa Cruz Portland Cement Company. (See Rice, Edward W., assignor.)
Santiago, James J. (See Grant, J., and Santiago.)
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Shale reamer. 1,844,370; Feb. 9.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Hole reaming and straightening device. 1,844,371; Feb. 9.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Collapsible hole straightener. 1,864,274; June 21.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Casing head. 1,866,726; July 12.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Flow control head. 1,870,590; Aug. 9.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Swinging cutter expanding reamer. 1,885,550; Nov. 1.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Hole straightener. 1,890,022; Dec. 6.
Santiago, James J., assignor to John Grant, Los Angeles, Calif. Drill stem bearing. 1,890,529; Dec. 13.
Santiago, James J., assignor to John Grant, Los Angeles, Calif. Drill stem bearing. 1,890,530; Dec. 13.
Santilli, Giuseppe, Astoria, N. Y. Combined curtain bracket and shade roller support. 1,852,192; Apr. 5.
Santin, Loris A., Newport, Wash. Human form delineating apparatus. 1,846,528; Feb. 23.
Santini, Danilo, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,848,563; Mar. 8.
Santini, Danilo, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,853,640; Apr. 12.
Santini, Danilo, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor rheostat for acceleration. 1,882,958; Oct. 18.
Santo, Joseph M., et al. (See Hoermann, Frederik E., assignor.)
Santori, Amerigo, South Range, Mich. Shoe. 1,885,297; Nov. 1.
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,859,718; May 24.
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,865,791; July 5.
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,865,792; July 5
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,870,315; Aug. 9.
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,870,316; Aug. 9.
Santosuosso, Ernest J., Medford, Mass. Gem mounting. 1,854,958; Apr. 19.
Santuchi, Arthur E. (See Gaetje, J. H., and Santschi.)
Santurello, Peter, Columbus, Ohio. Hair heating equipment. 1,886,909; Nov. 8.
Sanymetal Products Co., The. (See Carpenter, R. F., and Anderson, assignors.)
Sanz, Ricardo, Barcelona, Spain. Manufacture of bismuth oxide, bismuth carbonate, and other salts of bismuth. 1,855,140; Apr. 19.
Sanz, Ricardo, New York, N. Y. Manufacture of derivative salts of copper by electrolysis. 1,855,141; Apr. 19.
Sanz, Ricardo, New York, N. Y. Rotary brush. 1,855,142; Apr. 19.
Sapier, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Film feeding means for motion picture projectors. 1,855,773; Apr. 26.
Sapier, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Motion picture projecting machine. 1,885,631; Nov. 1.
Sapin, Antoine, Unieux, France. Machine for making concrete pipes. 1,880,360; Oct. 4.
Sappington, Charles N. (See Gross, W. F., and Sappington.)
Sappington, Paul, Los Angeles, Calif. Brake. 1,850,693; Mar. 22.
Saraceno, Nicholas M., assignor of one-fourth to J. P. Clary, Hartford, Conn. Nontipping finger bowl. 1,852,981; Apr. 5.
Saranac Automatic Machine Corporation. (See Craig, Edward, assignor.)
Saranac Automatic Machine Corporation. (See Newhouse, Walter F., assignor.)
Saranac Bag Sealers, Inc. (See Craig, Edward, assignor.)
Saranac Bag Sealers, Inc. (See Litchfield, Isaac W., assignor.)
Saranac Machine Company. (See Craig, Edward, assignor.)
Saranac Machine Company. (See Durand, Arthur F., assignor.)

Saranac Machine Company. (See Newhouse, Walter F., assignor.)

Sarandeses, Jose, New York, N. Y. Stiffener for shirt collars. 1,842,206; Jan. 19.

Sarazin, Robert, Neuilly-sur-Seine, France. Automatic machine for arc welding. 1,866,675; July 12.

Sarco Company. (See Smith, Herbert A., assignor.)

Sardik Inc. (See Sartakoff, Jack D., assignor.)

Sarff, Austin O. (See Bodoh, F. J., and Sarff.)

Sarff, Ernest M., Los Angeles, Calif. Braking device. 1,852,904; Apr. 5.

Sargent & Company. (See Carlson, Herman B., assignor.)

Sargent & Company. (See Carroll, William J., assignor.)

Sargent & Company. (See Drexler, J. J., and Shaw, assignors.)

Sargent & Company. (See Phillips, C. L., and Sprague, assignors.)

Sargent & Company. (See Rodriguez, Andrew, assignor.)

Sargent & Company. (See Shaw, John H., assignor.)

Sargent & Company. (See Van Sickles, Irving S., assignor.)

Sargent & Company. (See Weller, John H., assignor.)

Sargent & Company. (See Wiepert, George D., assignor.)

Sargent, Don A., assignor to Maine Steel Products Company, Portland, Me. Snowplow equipment. 1,867,178; July 12.

Sargent, Fitz W., Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,852,959; Oct. 18.

Sargent, Grafton F., Fitchburg, Mass. Spinning toy. 1,866,226; July 5.

Sargent & Greenleaf, Inc. (See Diesel, William F., assignor.)

Sargent & Lundy, Incorporated. (See Perry, L. L., and Rossman, assignors.)

Sargent Machine Company. (See Grundon, John P., assignor.)

Sargent, William D., Newark, N. J. Wheel drive. 1,862,770; June 14.

Sargent, William D., West Orange, N. J. Vehicle wheel. 1,862,907; June 14.

Sargent's Sons Corporation. (See Furbush, Frank L., assignor.)

Sargisson, Robert L., Berwyn, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Wall telephone. Des. 87,131; June 7.

Sarkar, Nishi K., Calcutta, India. Rain water pipe. 1,849,850; Apr. 12.

Sarkisian, Dickran M., Forest Hills, N. Y. Drapery and beading hook. 1,841,061; Jan. 12.

Sarnia Air Equipment Limited. (See Janus, Bernard, assignor.)

Sarrabio y Clavero, Manuel, Paris, France. Mute for stringed musical instruments. 1,870,824; Aug. 9.

Sarros, James D., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier telephone system. 1,873,534; Aug. 23.

Sarsfield, Myron W., Graham, Tex. Gas attachment. 1,858,806; June 21.

Sarson, Rufe, Gunnison, Colo. Holster. 1,844,603; Feb. 9.

Sartain, William H., Columbus, Ohio. Refrigerating apparatus. 1,874,364; Aug. 30.

Sartakoff, Jack D., assignor to Sardik Inc., New York, N. Y. Automatic battery filler. 1,842,292; Jan. 19.

Sarvay, Bell W., La Feb, and A. J. Britz, assignors to Ryther and Pringle Company, Carthage, N. Y. Shredding machine. 1,891,245; Dec. 20.

Sarver, Emmett F., Kansas City, Kans., assignor to B. W. Stunz, Kansas City, Mo. Automobile headlamp. 1,877,978; Sept. 20.

Sas, Peter, assignor to The Perser Corporation, New York, N. Y. Protect corners of frangible material. 1,865,485; July 5.

Sasgen, Michael J., assignor to Grand Specialties Company, Chicago, Ill. Adjustable doorstop. 1,876,173; Sept. 6.

Sashoff, Stephen P., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gaseous discharge device. 1,861,453; June 7.

Sasnett, Edward C., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,855,891; Apr. 26.

Sasnett, Edward C., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Automatic train control system. 1,855,926; Apr. 26.

Sass, Ernest, Aurora, Ill. Punch press. 1,889,382; Nov. 29.

Sass, Friedrich, Charlottenburg, Germany, assignor to General Electric Company. Internal combustion engine. 1,861,321; June 7.

Sass, Friedrich, Charlottenburg, Germany, assignor to General Electric Company. Regulation of the fuel feed pumps of internal-combustion engines. 1,867,383; July 12.

Sass, Friedrich, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Internal combustion engine. 1,879,528; Sept. 27.

Sassano, Pasquale J., East Orange, N. J. Collapsible tube holder and flattening device. 1,859,174; May 17.

Sassen, Bernard assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Self-regulating hydraulic system. 1,884,277; Oct. 25.

Sasser, Edward C., Chevy Chase, Md. Coffeepot. 1,866,777; July 12.

Sasser, Edward C., Chevy Chase, Md. Smoker's pipe. 1,866,124; Nov. 1.

Satake, Shuzo, Chula Vista, Calif. Bullet shield. 1,843,340; Feb. 2.

Satenstein, Jesse. (See Morgan, John L., assignor.)

Sater, Peter E. C., Detroit, Mich. Bushing. 1,849,206; Mar. 15.

Sater, Samuel, New York, N. Y. Foot pedal piano accordion. 1,882,960; Oct. 18.

Satere, Martin G., Haddonfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Thermionic amplifier. 1,856,116; May 3.

Sather, Edmund O., Oakland, Calif. Siphon device. 1,856,083; May 3.

Sather, Guerdon. (See Keenan, W. J., and Sather.)

Satkowski, Edward, and F. Napierala, Wanatah, Ind. Manure loading machine. 1,854,349; Apr. 19.

Sato, Junjiro, and S. Tomikawa, Jackson, Mich. Composition of matter. 1,874,633; Aug. 30.

Sato, Masafoumi, and Chiyomatsu Ito, assignors to Minami Manshu Tetsudo Kabushiki Kaisha, Dairen, Manchuria, China. Extracting fatty oil. 1,892,366; Dec. 27.

Satow, Teikichi, Tokio, Japan. Plywood board and making the same. 1,877,202; Sept. 13.

Satrum, Gilbert G., Canton, S. Dak. Rotary gas engine. 1,892,474; Dec. 27.

Satterlee, Henry S., New York, N. Y., assignor to The Identograph Company, Inc. Identifying apparatus. 1,885,863; Nov. 1.

Satterlee, Percy, assignor to G. M. Przybylski, Detroit, Mich. Clip for building materials. 1,853,380; Apr. 12.

Sauer, Earl G. (See Landis, L. L., and Sauer.)

Sauer, Herman, New York, N. Y. Vehicle wheel. 1,878,330; Sept. 20.

Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Margin bar for duplicating machines. 1,847,266; Mar. 1.

Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Duplicating machine. 1,869,507; Aug. 2.

Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Duplicator feeding and aligning device. 1,869,508; Aug. 2.

Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Duplicator. 1,869,509; Aug. 2.

Sauer, Louis J., Oak Park, assignor to Charles H. Joy, sr., Chicago, Ill. Duplicating means and method. 1,890,915; Dec. 13.

Sauerman Bros. Inc. (See Roe, Harry A., assignor.)

Sauerwein, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of ethylene from acetylene. 1,860,624; May 31.

Saukaitis, Albert J., Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Soldering flux. 1,882,567; Oct. 11.

Saul, Siegfried, Aachen, Germany. Air valve for bladders and other inflatable hollow bodies. 1,878,715; Sept. 20.

Saulle, Antonio, et al. (See Foti, Charles, assignor.)

Saulter, Alfred W., Botherhithe, London, England. Reel for wire and the like. 1,854,767; Apr. 19.

Saunders, Albert. (See Lewis, R. W., and Saunders.)

Saunders, Arthur B., Nashua, N. H., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for making asbestos fibres and cement. 1,850,308; Mar. 22.

Saunders, Arthur B., Nashua, N. H., assignor to Johns-Manville Corporation, New York, N. Y. Cardboard machine. 1,859,986; May 24.

Saunders, Benjamin P., Pontiac, Mich. Combination holder. 1,874,813; Aug. 30.

Saunders, Edward R. (See Davis, C. F., and Saunders.)

Saunders, Gordon, Whittier, Calif. Oil saver. 1,845,683; Feb. 16.

Saunders, Gordon, Whittier, Calif. Oil saver packing. 1,875,936; Sept. 6.

Saunders, Gordon, Whittier, Calif. Brake testing machine. 1,887,721; Nov. 15.

Saunders, Henry E., Toronto, Ontario, Canada, assignor to Kala Sign Company, Kalamazoo, Mich. Display device. 1,867,765; July 19.

Saunders Inventions, Limited. (See Saunders, Philip K., assignor.)

Saunders, John B., Bloomfield Hills, Mich., assignor to Copeland Products, Inc. Bottle opener for refrigerators. 1,880,985; Oct. 4.

Saunders, Kenneth H., Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Apparatus for carrying out reactions continuously in the liquid phase under increased pressure. 1,877,145; Sept. 13.

Saunders, Kenneth H., Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Apparatus for carrying out reactions continuously in the liquid phase under increased pressure. 1,884,880; Oct. 25.

Saunders, Kenneth H., and M. Mendoza, assignors to British Dyestuffs Corporation Limited, Manchester, England. Amino and nitro derivatives of ortho-hydroxy-carboxy-diphenyl sulphides, and process of preparing same. 1,841,636; Jan. 19.

Saunders, Kenneth H., and M. Mendoza, assignors to British Dyestuffs Corporation Limited, Manchester, England. Azo dyestuffs. 1,841,637; Jan. 19.

Saunders, Leslie O., Hampton Wick, assignor to R. Vernon Limited, London, England. Washing machine. 1,869,510; Aug. 2.

Saunders, Mary A., Lisbon, Ohio. Attachment for beds. 1,844,804; Feb. 9.

Saunders, Norman F. T., Newport Pagnell, England, assignor to Associated Electrical Industries Limited. Fan or blower. 1,852,961; Apr. 5.

Saunders, Norman H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,841,679; Jan. 19.

Saunders, Norman H., Homewood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Elapsed time metering system. 1,842,805; Jan. 26.

Saunders, Norman H., Homewood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,849,694; Mar. 15.

Saunders, Norman H. Homewood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,851,132; Mar. 29.

Saunders, Norman H., Homewood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,868,994; July 26.

Saunders, Norman H., assignor, by mesne assignments, to American Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,882,042; Oct. 11.

Saunders, Philip K., assignor to Saunders Inventions, Limited, London, England. Diaphragm valve. 1,855,991; Apr. 26.

Saunders, Richard. (See Saunders, Thomas and R.)

Saunders, Seymour C., Birmingham, and C. C. Williams, assignors to Chrysler Corporation, Detroit, Mich. Rust proofing apparatus. 1,872,507; Aug. 16.

Saunders, Thomas and R., Moores Rocks, Pa. Fuse plug holder. 1,851,775; Mar. 29.

Saunders, Walter S., and R. Martindell, assignors to American Forging & Socket Co., Pontiac, Mich. Seat bolt construction. 1,880,497; Oct. 4.

Saur, John, Grand Rapids, Mich. Safety device. 1,851,776; Mar. 29.

Sauver, Carl, assignor to The Mechanical Rubber Company, Cleveland, Ohio. Nonmetallic connection. 1,850,289; Mar. 22.

Sauver, Paul, Floral Park, assignor to The Peelle Company, Brooklyn, N. Y. Pass type elevator door. 1,872,350; Aug. 16.

Sauve, Richard, New York, N. Y. System for controlling refrigeration. 1,870,874; Aug. 9.

Sauvage, Herbert J. (See Evers, A. J., and Sauvage.)

Sauvan, Charles H., Newark, N. J. Internal combustion engine. 1,876,764; Sept. 13.

Sauzedde, Claude, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation. Tail wheel. 1,845,345; Feb. 16.

Savage Arms Corporation. (See Dunham, George W., assignor.)

Savage Arms Corporation. (See Russell, Frederick T., assignor.)

Savage Arms Corporation. (See Wright, Wilfred L., assignor.)

Savage, Edward S., and C. F. Friedrich, Rochester, N. Y. Figure toy. Des. 86,256; Jan. 26.

Savage, Edwin H., assignor to The White Motor Company, Cleveland, Ohio. Frame structure. 1,845,816; Feb. 16.

Savage, Egbert C., Santa Monica, Calif. Container. 1,877,979; Sept. 20.

Savage, John C. (See Randall, C. E., and Thompson, assignors.)

Savage, John C., London, England. Treatment of growing plants and for other like purposes. 1,842,844; Jan. 26.

Savage, Julian C., London, England. Optical projection apparatus. 1,878,331; Sept. 20.

Savage, John L. (See Nunis, P. A., and Savage.)

Savage, Ralph V. (See McClellan, L. N., Kinzie, Savage, and Day.)

Savage, Joseph, Runcorn, England. Apparatus for degreasing materials. 1,875,937; Sept. 6.

Savage, Lawrence F., London, England. Stereoscopic photography. 1,871,281; Aug. 9.

Savage, Ralph V., Los Angeles, Calif. Micrometer. 1,891,783; Dec. 20.

Savale, Louis C., West Orange, assignor of one-half to Howell Topping, Orange, N. J. Vehicle seat. 1,887,947; Nov. 15.

Savaria, Clament A., Worcester, Mass. Guard plate for automobile door. Des. 86,060; Jan. 19.

Savarit, Paul. (See Ricard, E., Savarit, and Guinot.)

Savary, Eugene A., Phoenicia, N. Y. Dice agitator. 1,867,031; July 12.

Savery, Benjamin F., Ann Arbor, Mich. Jar and closure therefor. 1,861,552; June 7.

Savidge, Hiram R., Montgomery, Pa. Horseshoe. 1,855,843; Apr. 26.

Savidge, Ray W., Sunbury, Pa. Toy musical instrument. 1,881,299; Oct. 4.

Saville, George A., Jr., Lincoln, Nebr. Adjustable waste receiver. 1,877,363; Sept. 13.

Saving, Ralph E. (See Armitage, J. B., and Saving.)

Savio, Victor, Los Angeles, Calif. Fountain pen. 1,875,507; Sept. 6.

Savitzky, Abraham, New York, N. Y. Finding for clasps. 1,893,776; Jan. 5.

Savoie, Joseph Z., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Mechanical pencil. 1,839,897; Jan. 5.

Savoja, Umberto, assignor to Fiat Società Anonima, Turin, Italy. Aeroplane. 1,875,267; Aug. 30.

Savon, Raymond, Marseille, France. Screw threaded pressure resisting cock. 1,854,674; Apr. 19.

Savoye, Charles U. (See Kerr, H. J., and Savoye.)

Savy, Robert, Paris, France, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for cooling molded confections. 1,871,346; Aug. 9.

Sawford, Frank, jr. (See Sawford, Frank, assignor.)

Sawford, Frank, assignor of one-half to F. Sawford, jr., Vancouver, British Columbia, Canada. Apparatus for measuring the thickness of paper. 1,882,962; Oct. 18.

Sawin, Ellis, Edward F., Bland, assignor of one-half to L. H. Sawlsville, Oshkosh, Wis. Car mover. 1,850,065; Mar. 15.

Sawlsville, Lyle H. (See Sawlsville, Edward F., assignor.)

Sawtelle, Charles A. (See Gardner, J. H., and Sawtelle.)

Sawtelle, Charles A., assignor to S. and D. Engineering Company, Detroit, Mich. Piston. 1,865,793; July 5.

Sawtelle, Charles A., assignor, by direct and mesne assignments, to S. and D. Engineering Company, Detroit, Mich. Variable leverage brake mechanism. 1,885,551; Nov. 1.

Sawtelle, Charles A., assignor, by direct and mesne assignments, to S and D. Engineering Company, Detroit, Mich. Hydraulic brake control mechanism. 1,885,552; Nov. 1.

Sawyer, Ben M., Cleveland, Ohio. Semi-automatic bolt nutting machine. 1,870,530; Aug. 9.

Sawyer, Clinton H., New York, N. Y. Apparatus for making columns and the like. 1,871,743; Aug. 16.

Sawyer, Frank McM., Richmond, Va. Wall construction. 1,870,926; Aug. 9.

Sawyer, Fred H., Los Angeles, Calif. Sewer drag. 1,847,985; Mar. 1.

Sawyer, Harold L., Lynn, and J. W. Cosgrove, Medford, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for soltening shoe stiffeners. 1,852,218; May 3.

Sawyer, Leicester B., assignor to The Protectahood Corporation, Auburn, N. Y. Insulating material. 1,845,444; Feb. 16.

Sawyer, Leicester B., assignor to The Protectahood Corporation, Auburn, N. Y. Automobile seat heat insulator. 1,893,752; May 31.

Sawyer, Robert T., Erie, Pa., assignor to General Electric Company. Power system. 1,871,472; Aug. 16.

Sawyer Tanning Company. (See Wetmore, Thomas C., assignor.)

Sawyer, Willard N., Winchendon, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood heel grooving machine. 1,860,789; May 31.

Sawyers, William H. (See Ogilvie, Francis E., assignor.)

Sax, Samuel I., New York, N. Y. Method and apparatus for automatic photographic portrait cameras. 1,877,598; Sept. 13.

Saxe, Arthur C., Columbus, and H. A. Smith; said Smith assignor to The Barnes Manufacturing Company, Mansfield, and said Saxe assignor to The Jaeger Machine Co., Columbus, Ohio. Self-priming pumping apparatus. 1,849,207; Jan. 5.

Saxon, Herman R., Toledo, Ohio. Bumper construction. 1,857,065; May 3.

Saxon, Frank, Worthington, Minn. Snowplow. 1,870,591; Aug. 9.

Saxton, Frank S., Blissfield, Mich. Toy gun. 1,887,520; Nov. 15.

"Saya" Gesellschaft zur Herstellung von Heilmich. (See Wehsarg, Richard, assignor.)

Sayers, Albert J., assignor to the Link-Belt Company, Chicago, Ill. Method of and apparatus for providing compressed air for the operation of wash boxes. 1,893,726; July 5.

Sayers, George E., Boston, Mass. Sandal. 1,875,162; Aug. 30.

Sayles, Bertram J., and H. Schultz, Pittsburgh, assignors to The Calorizing Company, Wilkinsburg, Pa. Carburizing box. 1,881,064; Oct. 4.

Sayles Co., The. (See Sayles, Fred, assignor.)

Sayles, Fred, assignor, by mesne assignments, to The Sayles Co., Ltd., Los Angeles, Calif. Shoe straightener. 1,848,551; Mar. 8.

Sayles, Fred, assignor, by mesne assignments, to The Sayles Co., Ltd., Los Angeles, Calif. Shoe straightener. 1,848,552; Mar. 8.

Sayles, Theo C., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,883,411; Oct. 18.

Saylor, Ernest F., Los Angeles, Calif. Stop joint for lead covered cables. 1,845,629; Feb. 16.

Saylor, Ernest F., Los Angeles, Calif. High voltage plural cable conductor. 1,846,361; Feb. 23.

Saylor-Beall Manufacturing Company. (See Stahl, Rudolphe, assignor.)

Sayre, Frank N., San Francisco, Calif. Plotting instrument. 1,891,502; Dec. 20.

Sburlino, Pascal, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,365; Aug. 30.

Scaff, Floyd, Winona, W. Va. Trolley hanger switch. 1,845,195; Feb. 16.

Scaglia, Gregorio, Turin, assignor to Societa Italina Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Impact ignition device and bomb or the like. 1,887,468; Nov. 8.

Scaife, Joseph D., Nottinghamshire, England, assignor to The Head Machine Company, Worcester, Mass. Grinding machine. 1,856,227; May 3.

Scaife, Wm. B., & Sons Company. (See Duden, Emil G., assignor.)

Scalf, William D., Pineville, Ky. Drop-seat garment. 1,857,335; May 10.

Scalvini, Angelica, New York, N. Y. Fermenting tobacco. 1,843,304; Feb. 2.

Scammell China Co. (See Schnepf, Emil L., assignor.)

Scango, Pasquale. (See Pivi, Charles, assignor.)

Scanlan, John J., Tyler, Minn. Filler cover. 1,882,963; Oct. 18.

Scanlan, Robert W., assignor to Ralston Purina Company, St. Louis, Mo. Manufacturing puffed cereal food. 1,890,697; Dec. 13.

Scanlen, Morris. (See Bennett, Percy H., and Bennett.)

Scanlon, Henry F. (See Shirley, H. V., and Scanlon.)

Scanlon-Morris Company. (See Blashfield, Floyd A., assignor.)

Scannell, Albert T., Chicago, Ill. Tower for elevating construction materials. 1,853,085; Apr. 12.

Scannell, Albert T., Chicago, Ill. Tower for elevating construction materials. 1,853,086; Apr. 12.

Scannell, John P., Oak Park, assignor to Edward E. Emmerich, Chicago, Ill. Autographing photographic film. 1,886,932; Nov. 1.

Scannell, John P., Oak Park, assignor to E. E. Emmerich, Chicago, Ill. Autographic film cartridge. 1,886,053; Nov. 1.

Scantlebury, Francis H., Brooklyn, N. Y. Bank grille closure. 1,846,762; Feb. 23.

Scardina, Jack A., Baton Rouge, La. Headlight lens protector. 1,890,130; Dec. 6.

Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Planter attachment for cultivators. 1,864,280; June 21.

Scarlett, Robert L., Musselburgh, Scotland. Seed sowing tool or implement. 1,867,552; July 12.

Scarlett, William E. (See Lym, A. P., and Scarlett.)

Scarpa, Nunzio, New York, N. Y. Pilot burner for gas stoves or the like. 1,844,183; Feb. 9.

Scarponi, Rene D., Brooklyn, N. Y. Combined ash receiver, cigar and cigarette holder. Des. 87,647; Aug. 23.

Scarritt, Winthrop T., Utica, assignor to The Pratt Chuck Co., Frankfort, N. Y. Tubing. 1,841,500; Jan. 12.

Scarritt, Winthrop T., Utica, assignor to The Pratt Chuck Co., Frankfort, N. Y. Receptacle and making the same. 1,852,224; July 26.

Scene-in-Action Corporation. (See Zeledon, Alfred H., assignor.)

Schaab, Harry M., assignor to Truscon Steel Company, Youngstown, Ohio. Tunnel liner. 1,881,098; Oct. 4.

Schaad, Paul H., New York, N. Y. Self-closing oil sampling valve. 1,866,676; July 12.

Schaad, Theodore A., Detroit, Mich. File cutting lathe. 1,859,006; May 17.

Schaadt, Thomas D., Fullerton, Pa. Cabinet. Des. 87,546; Aug. 16.

Schaaf & Good Company, The. (See Pulford, William H., assignor.)

Schaaff, John T., Washington, D. C., assignor to The Tabulating Machine Company, New York, N. Y. Perforated card controlled machine. 1,879,529; Sept. 27.

Schaaff, John T., Washington, D. C., assignor to the tabulating Machine Company, Endicott, N. Y. Machine for analyzing and printing upon record cards. 1,882,964; Oct. 18.

Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley shoe. 1,841,552; Jan. 19.

Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current collector. 1,844,689; Feb. 9.

Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pantograph collector. 1,848,845; Mar. 8.

Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current collector. 1,871,289; Aug. 9.

Schaake, William, Pittsburgh, and D. E. Renshaw, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company. Third-rail shoe. 1,872,351; Aug. 16.

Schabel, Leopold, Stuttgart, Germany. Two-part case for cinematographs. 1,888,574; Nov. 22.

Schacht, Clifford A., Huntington, Ind. Portable dry and liquid feeder. 1,855,314; Apr. 26.

Schacht, Clifford A., Huntington, Ind. Sliding caster. 1,855,844; Apr. 26.

Schacht, Clifford A., Huntington, Ind. Sliding caster. 1,861,094; May 31.

Schacht, Clifford A., Huntington, Ind. Sliding caster cup. 1,861,095; May 31.

Schacht, Elmer C., Troy, N. Y., assignor, by mesne assignments, to Behr-Manning Corporation. Manufacturing abrasives. 1,854,071; Apr. 12.

Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Paper. 1,888,409; Nov. 22.

Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Laminated articles. 1,888,410; Nov. 22.

Schacht, John H., and D. A. Palmiter, Sacramento, Calif. Heat exchanger. 1,886,744; Nov. 8.

Schacht, Sim E. (See Schacht, William F., and S. E.)

Schacht, William F., Huntington, Ind. Casting roller. 1,855,315; Apr. 26.

Schacht, William F., Huntington, Ind. Caster wheel. 1,855,316; Apr. 26.

Schacht, William F., and S. E. Schacht, Huntington, Ind. Caster roller. 1,857,436; Nov. 8.

Schachter, Max. (See Dubinsky, H., Goldenberg, and Schachter.)

Schade, Arthur. (See Voss, J., and Schade.)

Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book. 1,872,824; Aug. 23.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book. 1,840,743; Jan. 12.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Opening and locating means for loose leaf ring structures. 1,857,257; May 10.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 1,872,825; Aug. 23.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose sheet binder. 1,882,965; Oct. 18.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 1,884,278; Oct. 25.

Schade, Otto H., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Amplification control system. 1,887,329; Nov. 8.

Schade, Otto M. (See von Hoessle, C. H., and Schade.)

Schadell, George P., Paterson and S. B. Gleason, Passaic, N. J. Fish lure. 1,890,260; Dec. 9.

Schader, Herman J., Chicago, Ill. Combined lighting fixture and mail box. Des. 86,809; Apr. 19.

Schaefer, Adolph O., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Mixing saws. 1,841,455; Jan. 19.

Schaefer, Adolph O., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Saw. 1,850,478; Mar. 22.

Schaefer, Bryan L., Detroit, Mich. Combined bottle and eyecup. 1,846,761; Feb. 23.

Schaefer, Carl A., Springfield, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Electric switch. 1,859,605; May 24.

Schaefer, Ferdinand A., Baltimore, Md. Gravity actuated tension regulator for drawing presses. 1,858,463; May 17.

Schaefer, Frank, Kalamazoo, and O. S. Duffendack, Ann Arbor, Mich. Electrode for gaseous conduction lamps and making same. 1,872,437; Aug. 30.

Schaefer, Frank, Kalamazoo, and O. S. Duffendack, Ann Arbor, Mich. Electrode for gaseous conduction lamps and making same. 1,872,438; Aug. 30.

Schaefer, Frederic, Pittsburgh, Pa. Manufacturing brake hangers. 1,862,281; June 7.

Schaefer, Frederic, Pittsburgh, Pa. Brake hanger. 1,880,283; Oct. 4.

Schaefer, Friedrich, St. Gall, assignor to F. L. Stoffel, Arbon, Switzerland. Hoop-tightening device. 1,841,156; Jan. 12.

Schaefer, Hanns and H., Essen-Ruhr, Germany, assignors to the Firm: N. V. Montania, The Hague, Netherlands. Lining construction of mine galleries, shaft tunnels, and the like. 1,844,184; Feb. 9.

Schaefer, Heinrich. (See Schaefer, Hanns and H.)

Schaefer, Josef, Dortmund, Germany. Regenerative coke oven. 1,868,223; July 19.

Schaefer, Karl T., and J. L. Bitter, Johnson City, Tenn., assignors to American Glantzstoff Corporation, New York, N. Y. After treatment of yarns and filaments. 1,875,299; Aug. 30.

Schaefer, Otto C., assignor to The Napier Company, Meriden, Conn. Tongs for cable service. 1,857,979; May 10.

Schaeffer, Edward G., Brooklyn, assignor to American Character Doll Co., Inc., New York, N. Y. Joint. 1,855,992; Apr. 26.

Schaeffer, Edward G., Brooklyn, assignor to American Character Doll Co., Inc., New York, N. Y. Doll construction. 1,859,175; May 17.

Schaeffer, Charles, assignor to Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Change speed gear box. 1,880,986; Oct. 4.

Schaeffer, Charles M., Emaus, Pa. Speed reducing gear. 1,877,695; Sept. 13.

Schaeffer, Hanns, Essen-on-the-Ruhr, Germany, assignor to the Firm: N. V. Montania, The Hague, Netherlands. Lining for underground works. 1,886,745; Nov. 8.

Schaeffer, Herbert J., Reading Pa. Deck of playing cards. Des. 87,084; May 31.

Schaeffer, William H., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Volume control. 1,846,616; Feb. 23.

Schaelchlin, Walter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ship propulsion system. 1,861,454; June 7.

Schalchlin, Walter, Wilkinsburg, Pa., assignor to Westinghouse Electric Manufacturing Company. Load balancing equipment. 1,873,046; Aug. 23.
Schalchlin, Walter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Camactuated double-throw switch. 1,880,498; Oct. 4.
Schaer, Charles, Langenthal, Switzerland, assignor to the firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Cylinder head for internal combustion engine. 1,857,744; May 10.
Schaerer, Emil, Goodach, Switzerland. Tentering frame for the weaving of cloth. 1,858,970; May 17.
Schaetzel, François J., Staten Island, assignor to William Willheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,588; Nov. 22.
Schaetzel, François J., Staten Island, N. Y. Textile fabric or the like. Des. 88,574; Dec. 6.
Schaf, Joseph C., jr., Indianapolis, Ind. Battery and generator testing apparatus for motor vehicles. 1,879,530; Sept. 27.
Schafer, Conrad B. (See Lawson, P. C., and Schafer.)
Schafer, Haus, trustee. (See Baumer, Carl.)
Schafer, John W., Brooklyn, N. Y. Accessory for wheeled vehicles. 1,840,258; Jan. 5.
Schafer, Lee, Los Angeles, Calif. Weight indicator. 1,877,980; Sept. 20.
Schäfer, Willy, assignor to the Firm Ernst Leitz, Optische Werke, Wetzlar, Germany. Device for determining the quantitative relation of the components of a composite substance. 1,877,981; Sept. 20.
Schaff, Almanzo, assignor to Scovill Manufacturing Company, Waterbury, Conn. Vacuum article holder. 1,845,196; Feb. 16.
Schaffer, August, Columbus, Ohio. Hernial truss. 1,877,537; Sept. 13.
Schaffer, Edvard Sextile, Wash. Combined hoist and conveyer. 1,857,031; May 3.
Schaffer, John, Greensburg, Pa. Safety guard for clothes wringers. 1,877,910; Sept. 20.
Schaffer, Walter. (See Von Arco, G. G., and Schaffer.)
Schäffer, Walter, Berlin, Germany, assignor to Radio Corporation of America, Harmonic control. 1,839,442; Jan. 5.
Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Closure spring strip window sash construction. 1,848,907; Mar. 8.
Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Closure operator and lock. 1,879,994; Sept. 27.
Schaffner, Frederick W., Brooklyn, N. Y. Carburetor. 1,862,434; June 7.
Schaffner, Frederick W., Brooklyn, N. Y. Carburetor throttle. 1,882,966; Oct. 18.
Schafran, Isaac, assignor of one-half to Isidor Thornschein, New York, N. Y. Shoe. 1,879,857; Sept. 27.
Schaich, Wilhelm. (See Schirmacher, Karl and W., Schaich, Wolfram, Tampke, and Billig.)
Schakel, Walter A., and A. Waterman, Indianapolis, Ind., said Schakel assignor to said Waterman. Fertilizer distributor. 1,877,982; Sept. 20.
Schalk, Jacob R., Rhinebeck, N. Y. Demountable awning support. 1,840,410; Feb. 9.
Schall, Jacques, Paris, France. Lip stick, eyebrow pencil and the like. 1,890,068; Dec. 6.
Schallay, Alfred, New York, N. Y. Hose coupling. 1,64,861; June 28.
Schamberger, Julius, Elizabeth, N. J. Apparatus for separating oil from water. 1,860,819; May 31.
Schane, Edward H., Lakewood, Ohio. Reel. 1,862,199; June 7.
Schang, Albert E., Pe Ell, assignor of one-half to S. S. Johnson, Seattle, Wash. Airplane sway. 1,855,030; Apr. 19.
Schantz, Arnold A., Detroit, Mich. Mechanical burglar alarm for home or transient use. 1,859,345; May 24.
Schanz, Lewis J., assignor to Ira E. McCabe, Chicago, Ill. Room thermostat cover. Des. 87,683; Aug. 30.
Schaper, Harry C., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,840,823; Jan. 12.
Schärer-Nussbaumer & Co. (See Zindel, Ernst, assignor.)
Scharf, Frank W., Sioux City, Iowa. Automobile heater. 1,863,882; June 21.
Scharf, John A., Richwood, Ohio. Merry-go-round. 1,866,490; July 5.
Scharff, Godfrey E., Stevenston, England, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Razor-blade sharpener. 1,869,439; Aug. 2.
Scharff, Willy, Frankfort-on-the-Main, Germany. Cutter grinder. 1,875,163; Aug. 30.
Scharff, Willy, Frankfort-on-the-Main, Germany. Adjustable bearing bush. 1,876,765; Sept. 13.
Scharnagel, Herman J., Tompkinsville, N. Y., assignor to Sperry Development Company, Dover, Del. Internal combustion engine. 1,867,680; July 19.
Scharnberg, Herman J. B., Central Vertientes, Cuba. Differential hydraulic ram for crushing mills. 1,848,547; Mar. 8.
Scharnow, Bernhard, Berlin-Charlottenburg, assignor to Deutsch Atlantische Telegraphengesellschaft, Berlin, Germany. Ferromagnetic materials. 1,873,155; Aug. 23.
Schatz, Arthur J., Indianapolis, Ind. Eccentric washer for angle supports. 1,854,277; Apr. 19.
Schatz, Herman A. (See Smith, William F., assignor.)
Schaub, Jacob, Westfield, N. J., assignor to Best Foods, Inc., New York, N. Y. Machine for cutting off pieces of material from a strip and carrying them forward. 1,890,131; Dec. 6.
Schaub, James B., Wilmette, Ill. Air current conveyer 1,846,069; Feb. 23.
Schauer, Ignaz, Vienna, Austria. Folding table. 1,850,636; Mar. 22.
Schauer, Stephen, Dearborn, Mich. Combined latch and actuating mechanism for swinging closures. 1,871,744; Aug. 16.
Schaum, Carl, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Reel mechanism. 1,879,885; Sept. 27.
Schaum, Fletcher, Philadelphia, Pa. Suspension for automobiles. 1,861,821; June 7.
Schaum, Fletcher, assignor to Fletcher Works, Philadelphia, Pa. Automatic guard for hydro-extractors. 1,866,793; May 5.
Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Winding machine. 1,841,680; Jan. 19.
Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Whorl. 1,851,686; Mar. 29.
Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Roll. 1,852,092; Apr. 5.
Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Whorl latch. 1,875,938; Sept. 6.
Schaumann, Karl O., Hampton Wick, England. Automatically extensible and collapsible tray. 1,888,740; Nov. 22.
Schaumann, Otto. (See Lautenschläger, C. L., Ludwig, and Schaumann.)
Schaumberger, Rudolf. Munich, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Switch key. 1,858,464; May 17.
Schaupp, Harry A., assignor to Acme Road Machinery Company, Frankfort, N. Y. Stone spreader. 1,874,634; Aug. 30.
Schauss, Fritz. (See Merz, F. and Schauss.).
Schauss, John A., Norwalk, assignor to The Commerce Guardian Trust & Savings Bank as trustee, Toledo, Ohio. Comfort chair. 1,849,303; Jan. 2.
Schavoir, Frederick H., Stamford, Conn., assignor to Schavolite Golf Corporation, New York, N. Y. Golf club head and manufacture of same. 1,841,062; Jan. 12.
Schavoir, Frederick H., Stamford, Conn., assignor to Schavolite Golf Corporation, New York, N. Y. Golf club head and manufacture of same. 1,867,103; July 12.
Schavolite Golf Corporation. (See Schavoir, Frederick H., assignor.)
Schechter, Joseph, Brooklyn, assignor to Segal Lock & Hardware Co. Inc., New York, N. Y. Key cutting machine. 1,860,160; May 24.
Schechter, Joseph, Brooklyn, and C. R. Poole, assignors to Segal Lock & Hardware Co. Inc., New York, N. Y. Lock. 1,860,161; May 24.
Scheckel, Edward J., Brookfield, Ill. Padded link for endless tractor chains. 1,886,839; Nov. 8.
Scheidbauer, Hugo, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electromagnetic relay. 1,858,562; May 17.
Scheel, Hans P., jr. (See Scheel, Hans P., and H. P., jr.)
Scheel, Hans P., and H. P. Scheel, jr., Tacoma, Wash. Pulp grinding stone. 1,884,279; Oct. 25.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 1,887,734; Nov. 15.
Scheeler, Charles A., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Protecting device for cashiers windows and the like. 1,882,967; Oct. 18.
Scheerders-Van Kerchove, Léon, assignor to Usines Reunies Scheerders-Van Kerchove, Societe Anonyme, St-Nicolas-Waes, Belgium. Apparatus for simultaneously corrugating and trimming sheets of asbestos-cement and the like in a plastic condition. 1,868,645; July 26.
Scheffauer, Frederick C., Mill Valley, Calif. Self-adjusting drashead. 1,840,606; Jan. 12.
Scheffold, Carl B., Marquis, Saskatchewan, Canada. Road grader attachment. 1,877,365; Sept. 13.
Scheftels & Simson Company. (See Simson, Isidor, assignor.)
Scheib, Oscar L., Philadelphia, Pa. Shaping machine. 1,876,078; Sept. 6.
Scheib, Harry. (See Snyder, H. W., and Scheib.)
Scheibe, Adolf. (See Giebe, E., and Scheibe.)
Scheibel, Joseph J. (See Jones, Everett R., assignor.)
Scheibel, William, Bronx, assignor to Bulova Watch Company, Inc., New York, N. Y. Combination radio cabinet and clock. Des. 86,335; Feb. 23.
Scheibel, William, assignor to Bulova Watch Company, Inc., New York, N. Y. Radio apparatus. 1,844,441; Feb. 9.
Scheibell, Gordon B., Denville, N. J., assignor to Wired Radio Inc., New York, N. Y. Cabinet for a combined clock and radio. Des. 85,970; Jan. 5.
Scheibell, Gordon B., Newark, N. J. Optical system. 1,847,267; Mar. 1.
Scheibell, Gordon B., Newark, N. J. Mechanical control apparatus. 1,853,381; Apr. 12.

Scheibell, Gordon B., Newark, N. J. Photocell compensating system. 1,886,125; Nov. 1.

Scheiber, Johannes, and K. Sandig, Leipzig, and A. Blumer, Zwickau, Germany. Treating Batavian dammar resin. 1,857,695; May 10.

Scheiber, Wilhelm H. O. J., Leipzig, assignor of one-half to the Firm Bakelite Gesellschaft m. b. H., Erkner b/ Berlin, and one-half to the Firm Chemische Fabriken b/ Joachim Wiernik & Co., A. G., Berlin-Waidmannslust, Germany. Manufacture of coatings. 1,842,207; Jan. 19.

Scheid, Johann F., Hermsdorf, assignor to Hermsdorf-Schomburg-Isolatoren G. m. b. H. Sitz, Berlin, Verwaltung Hermsdorf in Thuringen, Germany. High tension insulator. 1,877,630; Sept. 13.

Scheid, Louis J., Kalamazoo, Mich. Dispensing tube. 1,853,931; Apr. 12.

Scheidegger, Jacques. (See Dreyfus, C., and Scheidegger.)

Scheidell, Charles R., Brooklyn, N. Y. Vehicle headlight. 1,849,695; Mar. 15.

Scheidler, Royal E., et al. (See Manteufel, August, assignor.)

Scheidt, Alfred W., Sewaren, N. J., assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Producing alumina. 1,891,608; Dec. 20.

Scheidt, Alfred W., Sewaren, N. J., assignor to The Electric Smelting and Aluminum Company, Cleveland, Ohio. Producing aluminum from waste coal products. 1,891,609; Dec. 20.

Scheitlin, Emile, Basel, Switzerland. Production of organic products from meat pickle brine. 1,840,134; Jan. 5.

Schelwat, Albert T., Erie, Pa. Hair-dresser's comb. 1,877,538; Sept. 13.

Schelberg, John E. (See Blauvelt, H. C., and Schelberg.)

Schelhorf, Marvel W., Oaklyn, N. J., assignor to General Electric Company. Portable loud speaker. 1,854,280; Oct. 25.

Schell, Arthur A., Marysville, Calif. Internal combustion engine. 1,885,298; Nov. 1.

Schell, Harry A., Philadelphia, Pa. Measuring device for paste ingots. 1,845,140; Mar. 8.

Schellack, John A., and C. J. Maynard, Bartlesville, Okla. Packing construction. 1,877,696; Sept. 13.

Schelle, Otto et al. (See Dieckmann, Max, assignor.)

Schellenbach, William L. (See Robinson, A. E., and Schellenbach.)

Schellenbach, William L., Wyoming, assignor to The American Tool Works Company, Cincinnati, Ohio. Radial drill. 1,861,030; May 31.

Schellenberg, Frank O. (See Hoff, Edward R., assignor.)

Schellhase, John C., Milburn, N. J., assignor to Western Electric Company, New York, N. Y. Oscillation generator. 1,885,632; Nov. 1.

Schellhase, John C., Milburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 1,892,253; Dec. 27.

Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Variable resistor. 1,851,933; Mar. 29.

Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Hum balancer. 1,885,633; Nov. 1.

Schellens, Eugene L., Ridgewood, assignor to C-S Engineering Company, Englewood, N. J. Tubular feed water heater. 1,845,005; Feb. 16.

Schellens, Eugene L., Ridgewood, assignor to C-S Engineering Company, Englewood, N. J. Locomotive and superheater therefor. 1,876,766; Sept. 13.

Schellentrager, Eugene W., Shaker Heights, and B. E. Clarkson, assignors to Atlas Bolt & Screw Company, Cleveland, Ohio. Vehicle. 1,856,787; May 3.

Schellentrager, Eugene W., Shaker Heights, and B. E. Clarkson, assignors to Atlas Bolt & Screw Company, Cleveland, Ohio. Vehicle. 1,860,396; May 31.

Schellentrager, Eugene W., Shaker Heights, assignor to Atlas Bolt & Screw Company, Cleveland, Ohio. Pusher for retort ovens. 1,888,204; Nov. 15.

Scheller, Carl, Leipzig, Germany. Thread guide holder. 1,871,240; Aug. 9.

Schellin, Bruno, Lubars, near Berlin, Germany. Rail joint. 1,859,410; May 24.

Schellin, John C., Wooster, Ohio. Hose coupling. 1,888,741; Nov. 22.

Schelly, Carl (See Yost, R. G., and Schelly.)

Schelter Last Company. (See McGee, Fort R., assignor.)

Schemінger, Jr., John, Providence, R. I. Fuel feeding tank. 1,867,004; July 12.

Schemmel, Robert C., Union City, Ind. Conduit for electric wires. 1,841,257; Jan. 12.

Schemmel, Robert C., Union City, Ind. Finishing welt. 1,857,877; May 10.

Schemmel, Robert C., Union City, Ind. Electric wire conduit. 1,859,988; May 24.

Schemmel, Robert C., Union City, Ind. Blind nail concealed stitch welt. 1,861,322; May 31.

Schemmel, Robert C., Union City, Ind. Finishing welt. 1,869,080; July 26.

Schemmel, Robert C., Union City, Ind. Molding. 1,869,081; July 26.

Schemmel, Robert C., Union City, Ind. Electric wire conduit. 1,880,156; Sept. 27.

Schenberg, Oscar. (See Ziedins, Jahnis, assignor.)

Schenck, Carl, Eisengiesserei und Maschinenfabrik Darmstadt G. m. b. H. (See Heymann, H., and Lehr, assignors.)

Schenck, Le Roy C., assignor to Troy Laundry Machinery Co., Inc., East Moline, Ill. Single belt reversing mechanism. 1,841,681; Jan. 19.

Schenck, LeRoy C., Moline, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Liquid level control for washing machines. 1,854,228; Apr. 19.

Schenck, LeRoy C., Moline, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Clear top extractor. 1,882,968; Oct. 18.

Schenck, LeRoy C., Moline, Ill., assignor to Troy Laundry Machinery Company, New York, N. Y. Valve mechanism. 1,887,521; Nov. 15.

Schenk, Franz E. M., Altona, Germany, assignor to F. W. Buss, Pittsburgh, Pa. Conveyer. 1,850,284; Oct. 4.

Schenk, Tamis C., Brooklyn, N. Y. Lawn mower. 1,868,918; July 26.

Schenk, Tanus C., Brooklyn, N. Y., assignor to Richmond Screw Anchor Co., Inc. Form tie. 1,857,610; May 10.

Schenkein, Samuel M., Newark, N. J. Ruler. 1,864,096; June 21.

Schenkel, Emil S., New York, N. Y. Sign illumination. 1,887,523; Nov. 15.

Schenkel, Moritz. (See Siemens, A., and Schenkel.)

Schenkel, Moritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Mercury arc rectifier. 1,871,745; Aug. 16.

Schenkel, Moritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Vapor electric device. 1,871,746; Aug. 16.

Schenkel, Moritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Insulating mounting for anode grids. 1,880,499; Oct. 4.

Schenker, Abraham W., Forest Hills, assignor to The Electric Welding Company of America, Brooklyn, N. Y. Beam protector. 1,850,247; May 24.

Schenker, Max, Schonenwerd, Switzerland. Controlling motions, particularly in the machining of solid materials. 1,849,642; Mar. 15.

Scheppmann, Wilhelm, Berlin-Tempelhof, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Wireless system. 1,880,285; Oct. 4.

Scheppy, William F., Elmhurst, N. Y. Meat block cleaner. 1,856,887; May 3.

Scher, Louis, assignor to The Ticket Issuing Machine Company, Cleveland, Ohio. Ticket delivery mechanism. 1,856,171; May 3.

Scherbius, Arthur, Berlin-Wannsee, Germany. Vacuum switch. 1,875,765; Sept. 6.

Scherbius, Arthur, Berlin, Germany, assignor to General Electric Company. Thermostatic switch. 1,867,384; July 12.

Scherer, Charles F., assignor to Davenport Machine and Foundry Company, Davenport, Iowa. Molding machine. 1,874,635; Aug. 30.

Scherer, Charles F., assignor to Davenport Machine and Foundry Company, Davenport, Iowa. Protecting means for flask rest actuating mechanism. 1,874,636; Aug. 30.

Scherer, Charles W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,887,948; Nov. 15.

Scherer, Paul A., Medford, Oreg., and G. B. Ridley, San Francisco, Calif., assignors to Southern Oregon Sales Inc., Medford, Oreg. Refrigerating system and method. 1,882,969; Oct. 18.

Scherer, Philip C., jr. (See Richter, G. A., and Scherer, assignors.)

Schering-Kahlbaum A. G. (See Allardt, Hans-Georg, assignor.)

Schering-Kahlbaum A. G. (See Baensch, Walter, assignor.)

Schering-Kahlbaum A. G. (See Dohrn, M., and Diedrich, assignors.)

Schering-Kahlbaum A.-G. (See Dohrn, M., and Hohlweg, assignors.)

Schering-Kahlbaum A.-G. (See Dohrn, M., and Thiele, assignors.)

Schering-Kahlbaum A. G. (See Meerwein, H., and Morschel, assignors.)

Schering-Kahlbaum A. G. (See Rath, Curt, assignor.)

Schering-Kahlbaum A. G. (See Schoeller, W., and Gebrke, assignors.)

Schering-Kahlbaum A.-G. (See Schoeller, W., Jordan, and Clerc.)

Schering-Kahlbaum A-G. (See Schoeller, W., Jordan, and Linde, assignors.)

Schering-Kahlbaum A. G. (See Schöeller, W., Jordan, and Schöllkopf, assignors.)

Schering-Kahlbaum A.-G. (See Schoeller, W., Schwenk, and Jordan, assignors.)

Schering-Kahlbaum A. G. (See Schwenk, E., and Jordan, assignors.)

Schering-Kahlbaum Aktiengesellschaft, the Firm. (See Jordan, Hans, assignor.)

Schering-Kahlbaum A-G, the Firm of. (See Fischl S., and Steiner, assignors.)

Schering-Kahlbaum A. G., The Firm. (See Rohde, Karl, assignor.)

Schering-Kahlbaum A. G., The Firm. (See Schoeller, W., Jordan, and Linde, assignors.)

Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Rail joint shim device. 1,851,409; Mar. 29.
Schermerhorn, Harmon L., Scotia, N. Y., assignor to General Electric Company. Dynamo electric machine. 1,865,907; Feb. 23.
Scherr, Emilius W., jr., New York, N. Y., assignor to The Aeolian Company. Piano loud speaker. 1,856,730; May 3.
Scherr, Frederick, jr., Fajardo, P. R. Plate cleaner. 1,854,229; Apr. 19.
Scherrer, Peter, Brooklyn, N. Y. Apparatus for applying reducing agents to printing fountains. 1,861,142; May 31.
Scherz, Emil. (See Scherz, Louis, and E.)
Scherz, Emil, Wilkes-Barre, Pa. Eyeshield. 1,890,865; Dec. 13.
Scherz, Louis, and E., Wilkes-Barre, Pa. Dinner pail. 1,839,414; Jan. 5.
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Marking machine. 1,842,491; Jan. 26.
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather stretching machine. 1,851,020; Mar. 29.
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for plating and embossing leather. 1,856,139; May 3.
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather working machine. 1,860,625; May 31.
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for and method of operating on hides, skins, leather, and other similar pieces of work. 1,865,542; July 5.
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Fluid pressure applying apparatus. 1,870,381; Aug. 9.
Scheu, F. A., Gesellschaft mit beschrankter Haftung, etc. (See Brandenburg, Hermann, assignor.)
Scheu Engineers Company Limited. (See Scheu, William C., assignor.)
Scheu, William C., Upland, assignor to Scheu Products Company Limited, Ontario, Calif. Orchard heater. 1,849,207; Mar. 15.
Scheuer, Prosper, Ghent, Belgium. Speed reducing transmission device. 1,870,875; Aug. 9.
Scheuner, Charles, Chicago, Ill. Quick detachable handle for tools. 1,861,363; May 31.
Scheuneit, Alfred. (See Lipp, A., Rossberg, Simon, Scheunert, and Skawran.)
Scheurer, Paul P., assignor to Will McKemie, sr., Wichita Falls, Tex. Merchandise vending apparatus. 1,890,753; Dec. 13.
Scheurer, Wilhelm. (See Dorrer, A., Scheurer, and Ohmer.)
Scheutz, Joseph A., Hazel Park, assignor to Scheutz Safety Fender Corporation, Detroit, Mich. Safety bumper. 1,854,675; Apr. 19.
Scheutz Safety Fender Corporation. (See Scheutz, Joseph A., assignor.)
Schey, Robert, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,250; Nov. 8.
Schey, Robert, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,260; Nov. 8.
Schey, Robert, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,487; Nov. 29.
Schey, Robert, New York, N. Y. Textile fabric or the like. Des. 88,740; Dec. 20.
Schey, Robert, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,828; Dec. 27.
Scheyer, Heinz. (See Kalischer, G., Ritter, Scheyer, and Bayer.)
Scheyer, Heinz, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing nonchromiogenated naphthostyril compounds. 1,877,057; Sept. 13.
Schiaparelli, Elsa, Paris, France. Wearing apparel. 1,891,161; Dec. 20.
Schibrowski, Paul M., assignor, by mesne assignments, to The American-National Company, Toledo, Ohio. Baby carriage fifth wheel assembly. 1,849,281; Oct. 25.
Schibsted, Helge, Syracuse, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Treating milk powder. 1,863,355; June 14.
Schibsted, Helge, Syracuse, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Can and sealing same. 1,891,452; Dec. 20.
Schick, Alva H., and R. P. Kratz, Omaha, Nebr. Clock case. Des. 87,132; June 7.
Schick, Jacob, East Orange, N. J., assignor to Magazine Repeating Razor Company. Equipment for shaving. 1,844,482; Feb. 9.
Schickler, Albert C. (See Allyne, E. E., and Schickler.)
Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Liquid seal for absorption systems. 1,842,492; Jan. 26.
Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Refrigerating system. 1,845,060; Feb. 16.
Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Refrigeration apparatus. 1,855,730; Apr. 26.
Schickler, Albert C., Cleveland, assignor to E. E. Allyne, Cleveland Heights, Ohio. Control for refrigerating systems. 1,855,993; Apr. 26.
Schideler, Pierre. (See Lantz, H., and Schideler.)
Schieber, Carl, Berlin-Halensee, Germany, assignor to General Electric Company. Control system. 1,855,892; Apr. 26.
Schieche, Maximilian, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Flotation process. 1,889,078; Nov. 29.
Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Transmitting energy in the form of mechanical oscillations. 1,867,989; July 19.
Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Suspension of vehicles. 1,868,338; July 19.
Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Transforming oscillatory movement into rotary movement. 1,885,593; Nov. 1.
Schiegries, Eduard, Duisburg-Meiderich, Germany. Tamping machine. 1,849,985; Mar. 15.
Schiegries, Eduard, and Paul Isebeck, Duisburg-Meiderich, assignors to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Apparatus for moving tamping machines. 1,849,984; Mar. 15.
Schield, Henry C., Merrill, Wis. Hat stand. Des. 87,446; July 26.
Schier, Johann. (See Pechan, I., and Schier.)
Schier, Johann. (See Von Hofe, C., and Schier.)
Schier, Mayer B. A., New York, N. Y. Auditory insert. 1,852,139; Apr. 5.
Schiess-Defries Aktiengesellschaft. (See Schlegelmilch, August, assignor.)
Schiesser, Max, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rectifier. 1,856,404; May 3.
Schiesswohl, Gottlob. (See Lorenz, K., and Schiesswohl.)
Schift, Henry T., Chicago, Ill. Clock case or the like. Des. 86,144; Feb. 2.
Schift, Henry T., Chicago, Ill. Clock case or the like. Des. 86,145; Feb. 2.
Schift, Henry T., Chicago, Ill. Clock case or the like. Des. 86,275; Feb. 16.
Schift, Henry T., Chicago, Ill. Clock case or similar article. Des. 86,336; Feb. 23.
Schift, Henry T., Chicago, Ill. Clock case or similar article. Des. 86,337; Feb. 23.
Schift, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Dough elevator mechanism. 1,850,637; Mar. 22.
Schifferle, Charles J., Oakland, assignor to H. R. Struthers, Berkeley, Calif. Burning gas. 1,879,886; Sept. 27.
Schiffhouer, Joseph H., and A. C. Sell, assignors to A. J. Logan Company, Pittsburgh, Pa. Obstetrical bed. 1,839,705; Jan. 5.
Schiff, Frank, Hampstead, London, England, assignor to Radio Corporation of America. Remote volume control. 1,851,133; Mar. 29.
Schilb, Theodore W. (See Warning, W. G., and Schilb.)
Schiller, Albert T., Walla Walla, Wash. Tidal motor. 1,885,866; Nov. 1.
Schiller, John, Western Springs, Ill. Cord holding clip. 1,851,594; May 3.
Schiller, Joseph F., Philadelphia, Pa. Apparatus for agitating liquids. 1,861,982; June 7.
Schiller, Morgan B., assignor to American Tubular Elevator Company, Pittsburgh, Pa. Knockdown structural elevator tower. 1,859,894; May 24.
Schiller, Walter, Vienna, Austria. Apparatus for the projection of films in blocks. 1,858,308; May 17.
Schilling, A., & Co. (See Harlan, Marion E., assignor.)
Schilling, Carl G., Oakland, Calif. Evaporated milk server and preserver. 1,888,411; Nov. 22.
Schilling, Frederick B. (See Hartley, H. J., Schilling, and Connolly.)
Schilling, Hugo O. G., assignor of one-half to Alfred G. Pühl, Hamburg, Germany. Tube-closing machine. 1,892,475; Dec. 27.
Schilling, Louis, Valley Stream, assignor to The Northern Studios, Inc., Astoria, N. Y. Hinge. 1,865,339; June 28.
Schilling, Rudolph, Woodside, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion chamber. 1,877,983; Sept. 20.
Schillo, Louis C., Chicago, Ill., assignor, by mesne assignments, to Asphalt Process Corporation, New York, N. Y. One piece cutter. 1,856,433; May 3.
Schilpp, Charles P., Cleveland Heights, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Spliner. 1,855,365; Apr. 26.
Schilpp, Charles P., Cleveland Heights, assignor to The American Fork and Hoe Company, Cleveland, Ohio. Artificial bait. 1,862,036; June 7.
Schiltz, Bernard P., assignor to The Foote-Burt Company, Cleveland, Ohio. Tool driving mechanism for tapping machines or the like. 1,868,721; July 26.
Schiltz, Bernard P., assignor to The Foote-Burt Company, Cleveland, Ohio. Machine tool. 1,879,531; Sept. 27.
Schiltz, John M., Wichita, Kans. Animal trap. 1,860,599; May 31.
Schimanek, Emil, Budapest, Hungary. Internal combustion engine. 1,882,970; Oct. 18.
Schimanek, Emil, Budapest, Hungary. Engine for motor vehicles. 1,882,971; Oct. 18.

Schimelfenig, Charles A., U. S. Army. Index for loose leaf binders. 1,870,206; Aug. 2.
Schimmel, Fridolin, Faribault, Minn. Woodworking machine. 1,839,599; Jan. 5.
Schimmel, Fridolin, Faribault, Minn. Woodworking machine. 1,867,895; July 19.
Schimmel, Fridolin, Faribault, Minn. Folding table like structure. 1,875,892; Sept. 6.
Schimmel, Paul, Bloomfield, N. J., and C. R. Gedat, New York, N. Y. Velocipede. 1,873,040; Aug. 23.
Schimmelschmidt, Bert. (See Zahn, R., and Schimmelschmidt.)
Schimming, Harold H., Minneapolis, Minn., assignor to American Telephone and Telegraph Company. Arrangement for producing modulated currents. 1,862,608; June 14.
Schimpf, Robert, Berlin-Schlachtensee, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Ground detector. 1,856,172; May 3.
Schimpf, Robert, Berlin-Schlachtensee, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Ground detector. 1,863,583; June 21.
Schimpff, Eugene, Scranton, Pa. Headlight reflector. 1,841,917; Jan. 19.
Schindler, Robert B., assignor to Schuylkill Valley Mills, Inc., Spring City, Pa. Stocking. Des. 88,728; Dec. 20.
Schindelheim, Harry, Brooklyn, N. Y. Attachment for hemstitching machines. 1,848,029; Mar. 1.
Schindhelm, Hans. (See Kalischer, G., Schuele, and Schindhelm.)
Schindhelm, Hans. Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Halogen-terephthalic-hexahalides and preparing same. 1,867,240; July 19.
Schindler, Gustav, Berlin-Schoeneberg, Germany. Punching ball. 1,851,649; Mar. 29.
Schindler, Robert B., Spring City, Pa. Stocking. Des. 86,412; Mar. 1.
Schindler, Robert B., assignor of one-half to Schuylkill Valley Mills, Inc., Spring City, and one-half to Howard Hosiery Company, Philadelphia, Pa. Stocking. Des. 87,085; May 31.
Schindler, Thomas J., and W. F. Bradley, Rock Island, Ill.; said Schindler assignor to said Bradley. Automobile radiator condenser. 1,850,518; Mar. 22.
Schindler, Walter R., Los Angeles, Calif. Sanitary cuspidor. 1,844,862; Feb. 9.
Schindler, Walter R., Los Angeles, Calif. Plant protector. 1,851,331; Mar. 29.
Schindoneni, Leonard G., Chicago, Ill., assignor of one-fourth to J. E. Molloy, Norwood, Ohio. Washbasin. 1,848,385; Mar. 8.
Schinkal, Claude E., Los Anceles, Calif. Detachable tieback for drapes and curtains. 1,876,026; Sept. 6.
Schinke, Erich, Berlin, Germany, assignor to Stanley Hopkins, London, England. Diesel engine. 1,873,908; Aug. 23.
Schinkez, Albert. (See Smith, E. R., and Schinkez.)
Schinkez, Albert. (See Smith, Edwin R., and Shinkez.)
Schinzel, George P., Jr. (See Colon, John, assignor.)
Schibler, Helge, Oslo, Norway. Collapsible and transportable house. 1,850,638; Mar. 22.
Schipfel, Henry F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushion tire. 1,863,031; June 14.
Schipper, Friedrica, Wiesbaden, Germany. Apparatus for measuring the output of refrigerating machines. 1,857,262; May 10.
Schipper, George A., Aurora, Ind. Sanding machine. 1,860,905; May 31.
Schippers, Frank, and A. Weis, Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Web cutting and folding mechanism. 1,852,588; Apr. 5.
Schireson Bros. (See Schireson, Nathan W., assignor.)
Schireson, Nathan W., assignor to Schireson Bros., Los Angeles, Calif. Stringed musical instrument. 1,857,861; Nov. 15.
Schirmacher, Arthur. (See Kiss, Joseph, assignor.)
Schirmacher, Karl, Frankfort-on-the-Main, Hochst, and K. Stenger, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff and acetate silk dyed therewith. 1,865,062; June 28.
Schirmacher, Karl, Frankfort-on-the-Main-Hochst, and H. Schlichenmaier, Karlsruhe in Thuringen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New process for preparing p-nitroso-amine compounds of the benzene series and the compounds obtainable thereby. 1,867,105; July 12.
Schirmacher, Karl, W. Schaich, A. Wolfram, H. Tampke, K. Billig, and W. Schirmacher, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing dyestuffs of the N.N-dihydro-1.2.2'.1'-anthraquinone azine series and products obtainable thereby. 1,877,146; Sept. 13.
Schirmacher, Werner. (See Schirmacher, Karl and W., Schaich, Wolfram, Tempke, and Billig.)
Schirmer, Carl E. (See Seaman, F. F., and Schirmer.)
Schirmer, Rens E., et al. (See Greiner, Alfred, assignor.)
Schirmer, Walter E., Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Multiflove heat regulator. 1,878,332; Sept. 20.
Schiro, Saverio. (See Ege, Alfred, assignor.)
Schisler, Arthur W., Webster Groves, Mo. Producing unsaturated hydrocarbons from waste rubber and waste compounds containing rubber. 1,846,363; Feb. 23.
Schittke, Robert, Lansing, assignor to General Motors Corporation, Detroit, Mich. Crankcase ventilation. 1,872,609; Aug. 16.
Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Steering gear. 1,872,012; Aug. 16.
Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Connecter. 1,872,014; Aug. 16.
Schjolin, Eric O., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Six wheel vehicle. 1,872,013; Aug. 16.
Schlacht, Herman, Woodhaven, N. Y. Tubular watchcase. 1,859,611; Dec. 20.
Schlachter, Henry, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company. Impeller for centrifugal pumps. 1,871,747; Aug. 23.
Schlack, Paul. (See Friederich, A., and Schlack.)
Schlack, Paul. (See Möhring, A., Schultze, and Schlack.)
Schlabitzbech, Hermann, Dessau in Anhalt, and H. Hahle, Dessau-Ziebigk in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Lacquer for coatings on metal surfaces. 1,844,983; Feb. 16.
Schladt, George J., Dover, N. J. Electrically controlled percussion firing mechanism. 1,844,861; Feb. 9.
Schladt, George J., Dover, N. J. Pyrotechnic device. 1,847,268; Mar. 1.
Schlegel, Alfred M., Barberton, Ohio. Semitrailer hitch. 1,851,701; Apr. 12.
Schlaepfer, Arnold, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen, near Schaffhausen, and Leinfuchs S. A., Neuhausen, Switzerland. Machine for wrapping and tying cylindrical bodies. 1,861,096; May 31.
Schladi, Ernst, assignor to the Firm Goss-Mop Continental A.-G., Bern, Switzerland. 1,846,441; Feb. 23.
Schlafman, Clifford J., Washington, D. C. Radiator. 1,859,794; July 5.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,845,197; Feb. 16.
Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Pin tumbler cylinder mounting. 1,875,396; Sept. 6.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,863,264; Feb. 23.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Doorknob. 1,853,782; Apr. 12.
Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Screw securing means for door latches and the like. 1,875,664; Sept. 6.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,876,079; Sept. 6.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,876,080; Sept. 6.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,876,081; Sept. 6.
Schlagenhauf, Johann, Oerlikon, near Zurich, Switzerland. Coupling for trailers. 1,859,534; May 24.
Schlaich, Herman, Long Island City, N. Y. Temperature indicating system for internal combustion engines. 1,852,982; Apr. 5.
Schlaich, Herman, Long Island City, N. Y. Indicating and warning instrument. 1,854,072; Apr. 12.
Schlandt, Arthur F. (See Hyman, J., and Schlandt.)
Schlappig, Otto, Dusseldorf, Germany. Treading surface for footgear. 1,864,748; Apr. 12.
Schlatter, Louis H. (See Hofammann, K. E., and Schlatter.)
Schlebecker, Oscar H., assignor of one-half to G. W. Settles, Fort Wayne, Ind. Can hook for barrels. 1,879,532; Sept. 27.
Schlecht, Leo. (See Duftschmid, F., and Schlecht.)
Schlecht, Leo. (See Nitzschke, O., Noack, and Schlecht.)
Schlecht, Leo. (See Schubardt W., and Schlecht.)
Schlecht, Leo, and E. Keunecke, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of metal carbonyls. 1,858,241; Apr. 5.
Schlecht, Leo, and E. Keunecke, Ludwigshafen-on-the-Rhine, and W. Schubardt, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of metal carbonyls. 1,858,220; May 10.
Schlecht, Leo, Ludwigshafen-on-the-Rhine, and F. Duftschmid, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of pure metals. 1,864,672; June 28.
Schlecht, Leo, Ludwigshafen-on-the-Rhine, W. Schubardt, Mannheim, and F. Duftschmid, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of shaped metallic articles. 1,882,972; Oct. 18.
Schlechter, Emanuel J. and G. E., Whitetail, Mont. Grain blower unit. 1,844,797; Feb. 9.
Schlechter, George E. (See Schlechter, Emanuel J. and G. E.)

Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,847,700; Mar. 1.

Schlegel, Charles P., assignor to Schlegel Mfg. Company, Rochester, N. Y. Cable with attached pompons. 1,847,902; Mar. 1.

Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Upholstery molding. 1,862,517; June 7.

Schlegel Manufacturing Company, The. (See Schlegel, Charles P., assignor.)

Schlegel, Robert A., Williamsport, Pa. Cigarette extinguisher. 1,846,572; Feb. 23.

Schlegel, Robert A., Williamsport, Pa. Ash tray and extinguisher. 1,882,073; Oct. 18.

Schlegelmilch, August, assignor to Schiess-Defries Aktiengesellschaft, Dusseldorf, Germany. Turning ring-bearing for machine tools. 1,859,989; May 24.

Schleicher, Edward E., Providence, R. I. Necklace pendant or other jewelry for personal use. Des. 87,133; June 7.

Schleicher, Frank J., St. Louis, Mo. Paper box. 1,889,134; Nov. 29.

Schleicher, Frank J., University City, Mo. Box. 1,849,409; Mar. 15.

Schleicher, Inc. (See Schleicher, P. E., and Calcott, assignors.)

Schleicher, Manfred, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for regulating operating quantities. 1,842,769; Jan. 26.

Schleicher, Manfred, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for the supervision of electric power distributing systems. 1,879,887; Sept. 27.

Schleicher, Paul E., and W. C. Calcott, Gary, Ind., assignors to Schleicher, Inc. Radiator hood. 1,889,220; Nov. 29.

Schleicher, Paul E., and W. C. Calcott, assignors to Schleicher, Inc., Gary, Ind. Access structure. 1,889,221; Nov. 29.

Schlemm, Robert, Chicago, Ill. Time switch. 1,887,735; Nov. 15.

Schlenker, Charles E., Cleveland, Ohio, assignor to Western Reserve Air Motors Corporation, Mechanical movement. 1,861,595; May 31.

Schlenker, Charles E., Lakewood, Ohio, assignor to Western Reserve Air Motors Corporation. Internal combustion engine. 1,869,440; Aug. 2.

Schlenker, Charles E., Lakewood, Ohio, assignor to Western Reserve Air Motors Corporation. Internal combustion engine. 1,891,453; Dec. 20.

Schlenker, Ernst, Berlin, Germany. Separation of liquid and solid fatty acids. 1,862,037; June 7.

Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Alarm clock. 1,857,397; Aug. 23.

Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Alarm clock. 1,858,563; May 17.

Schlenker, Vesper A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,822,974; Oct. 18.

Schlenker, Vesper A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,862,552; June 14.

Schlenker, Vesper A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,862,582; June 14.

Schlenker, Vesper A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,866,603; July 12.

Schlenstedt, Oswig, Mulheim-Ruhr-Speldorf, Germany. Metal extrusion press. 1,859,473; May 24.

Schlenstedt, Oswig, Mulheim-Ruhr-Speldorf, assignor of one-half to Hydraulik Gesellschaft mit beschrankter Haftung, Hamisburg, Germany. Metal extrusion press. 1,859,990; May 24.

Schlenter, John H., Cascade, Wis. Conveyer system. 1,855,871; Apr. 26.

Schlesinger, Henry, assignor of seventy-four one-hundredand-eighty-thirds to A. F. Yoerg, and thirty-five one-hundred-and-eighty-thirds to J. Goldberg, Des Moines, Iowa. Hat cleaning and drying machine. 1,889,761; Dec. 6.

Schlesinger, Henry G., New York, and L. Fomhof, Brooklyn, N. Y. Pelt printing machine. 1,844,690; Feb. 9.

Schlesinger, Herbert E., Ypsilanti, Mich. Adjustable banger for beams and joists. 1,859,055; May 17.

Schlesinger, Joel L. (See Orenstine, B., Schlesinger, and Reinschrieber.)

Schlesinger, Louis, Newark, N. J. Foldable bed, table, or desk. 1,868,642; July 26.

Schlesinger, Max A. (See Moore, David P., assignor.)

Schlesinger, Max A. (See Rogers, Harrison W., assignor.)

Schlesische Spiegelglas Manufactur Carl Tielsch, G. m. b. H. (See Macht, Karl, assignor.)

Schless, Maurice J., New York, N. Y. Jewel setting. 1,850,728; Mar. 22.

Schletter, Richard E., Philadelphia, Pa., assignor, by mesne assignments, to Schletter & Zander, Inc. Attachment for knitting machines. 1,841,918; Jan. 19.

Schletter, Richard E., assignor to Schletter & Zander, Inc., Philadelphia, Pa. Yarn feeding means for straight knitting machines. 1,859,411; May 24.

Schletter & Zander, Inc. (See Schletter, Richard E., assignor.)

Schlichenmaier, Hans. (See Kronholz, E., and Schlichenmaier.)

Schlichenmaier, Hans. (See Schirmacher, Karl, and H. Schlichenmaier, assignors.)

Schlichenmaier, Hans. (See Stolz, F., Krobs, and Schlichenmaier.)

Schlicht, Otto A., Chicago, Ill. Action for a concertina. 1,890,830; Dec. 13.

Schlichting, Justus L., Chicago, Ill. Loose leaf binder. 1,845,445; Feb. 16.

Schlicker, Herman C., Brooklyn, N. Y. Winding and rewinding mechanism for picture projectors. 1,843,650; Feb. 2.

Schlierer, Eugen, assignor to the Firm: Merkel & Kleulin G. m. b. H., Esslingen-on-the-Neckar, Germany. Impregnating wool. 1,846,068; Feb. 23.

Schling, Max, Scarsdale, N. Y. Fruit picker. 1,881,134; Oct. 4.

Schlipf, Albert F., assignor to The DeVilbiss Company, Toledo, Ohio. Atomizer. 1,866,909; July 12.

Schlitz, John, Leavenworth, Kans. Combination lock. 1,863,505; June 14.

Schlitz, Jos., Beverage Company. (See Rohde, Hugo W., assignor.)

Schlitzer, Leo J., et al. (See Litomy, John L., assignor.)

Schloemann Aktiengesellschaft. (See Drexler, Ernest, assignor.)

Schloemann Aktiengesellschaft. (See Gassen, Josef, assignor.)

Schloemann Aktiengesellschaft. (See Müller, Paul, assignor.)

Schlömer, Michael, Cologne-Mulheim, Germany. Apparatus for treating films. 1,886,596; Nov. 8.

Schloss, Edwin G., and M. J. Schloss, New York, N. Y. Combined folding bar and radio cabinet. Des. 88,829; Dec. 27.

Schloss, Myron J. (See Schloss, Edwin G. and M. J.)

Schlosser, Arthur G., assignor to Aircraft Development Corporation, Detroit, Mich. Airship. 1,860,555; May 31.

Schlosser, Harry C. and William H. Schlosser, San Jose, Calif. Forming marked surfacing. 1,872,352; Aug. 16.

Schlosser, William H. (See Schlosser, Harry C., and W. H.)

Schlötter, Max, Berlin, Germany, assignor to Asociacion de Productores de Yodo de Chili, Valparaiso, Chili. Treatment of gold and silver. 1,857,604; May 10.

Schlotterbeck, Fritz. (See Stockhausen, H., Schlotterbeck, Cremer, and Hecking.)

Schlotterhose, Conrad, Wesermunde-Wulsdorf, Germany. Extraction from substances containing oils, fats, etc. 1,862,945; June 14.

Schlotz, Arthur, and H. Frucht; said Frucht assignor to S. Feldstein, Brooklyn, N. Y. Emergency kit for automobiles. 1,857,824; May 10.

Schlotz, Arthur H. (See Hatch, M. R., and Schlotz.)

Schlueicher, Fred C., Massillon, Ohio. Two-tone ornamentation of stainless iron. 1,867,767; July 19.

Schlumbohm, Peter, Berlin, Germany, assignor to The American Thermos Bottle Company, Norwich, Conn. Manufacture of carbon dioxide ice. 1,875,164; Aug. 30.

Schlumbohm, Peter, Berlin, Germany, assignor to The American Thermos Bottle Company, Norwich, Conn. Cooling apparatus. 1,875,293; Aug. 30.

Schlumbohm, Peter, Berlin, Germany, assignor to The American Thermos Bottle Company, Norwich, Conn. Using and storing dry-ice. 1,885,769; Nov. 1.

Schlumpf, Robert W., assignor to Hughes Tool Company, Houston, Tex. Combination rolling and scraping cutter bit. 1,879,127; Sept. 27.

Schlumpf, Walter, Fanwood, assignor to Shur-Chek Company, Inc., Fanwood Township, N. J. Identifying mechanism. 1,891,491; Dec. 27.

Schlundt, Herman, Columbia, Mo., assignor to United States Radium Corporation, New York, N. Y. Luminous compound and producing luminous objects therewith. 1,866,132; July 5.

Schlüns, Carl, Berlin-Steglitz, assignor to Mercedes Büromaschinen-Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany. Calculating typewriting machine. 1,862,240; June 7.

Schlusselberg, Abraham, New York, N. Y. Detachable bath robe belt. 1,877,697; Sept. 13.

Schlyfestone, Max H., Pontiac, Mich. Auto brush. 1,887,893; Nov. 15.

Schmals, Albano, Chicago, Ill. Drill rod. 1,845,061; Feb. 16.

Schmalz, William F. (See Conner, B. F., and Schmalz.)

Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Container closure or bottle cap. 1,844,442; Feb. 9.

Schmalzgruber, Sebastian, Bloomfield, Conn. Key case. 1,888,292; Nov. 22.

Schmedes, George P., Bronx, N. Y. Driving point for piles and forming driven piles. 1,844,871; Feb. 9.

Schmelkes, Franz C. (See Baker, J. C., and Schmelkes.)

Schmeller, John, jr., Lakewood, Ohio. Casting apparatus and method. 1,885,039; Oct. 25.

Schmelz, Charles F., assignor to The Stay-Put Shade Roller Corporation, Bridgeport, Conn. Shade-roller. 1,841,384; Jan. 19.

Schmelz, Charles F., assignor to Stay-Put Shade Roller Corporation, Bridgeport, Conn. Shade roller. 1,854,959; Apr. 19.

Schmelz, John J., assignor of one-third to C. P. Stanton, and one-third to H. W. Butler, San Francisco, Calif. Vending machine. 1,840,851; Jan. 12.

Schmelzer, Albert. (See Kranz, F., and Schmelzer.)

Schmelzer, Albert. (See Muth, F., and Schmelzer.)

Schmelzer, Albert, F. Ballauf, and H. Hefner, Elberfeld, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Hydroxy-benzocarbazole-carboxylic acids. 1,867,106; July 12.

Schmerler, Joseph J., Bronx, N. Y. Combined opener and closure for paper milk containers. 1,865,543; July 5.

Schmid, Adolf, Vienna, Austria. Device for ascertaining the number of days between any two given dates. 1,862,455; June 7.

Schmid, Albert P. (See Kranz, F., and Schmid.)

Schmid, Arthur W. (See Paxton, E. W., and Schmid.)

Schmid, Carl, Geneva, Switzerland. Pencil holder. 1,848,224; Mar. 8.

Schmid, Carl G., assignor to Insley Manufacturing Company, Indianapolis, Ind. Blade slope indicator. 1,847,728; Mar. 1.

Schmid, Carl G., assignor to Insley Manufacturing Company, Indianapolis, Ind. Shoulder grading machine. 1,869,916; Aug. 2.

Schmid, Carl G., and A. C. Rasmussen, assignors to Insley Manufacturing Company, Indianapolis, Ind. Spring loaded strut for shoulder finishing machines. 1,871,473; Aug. 16.

Schmid, Carl J., Inc. (See Kurkjian, Yervant H., assignor.)

Schmid, Daniel, et al. (See Griffin, C. W., Schmid, and Sing.)

Schmid, Francis C., United States Navy. Self-indicating refillable electric cartridge fuse. 1,866,491; July 5.

Schmid, Herman, Fargo Grocke, J. K., and Schmid.)

Schmid, Louis F., Winnebago, Nebr. Brooder. 1,864,862; June 28.

Schmid, Max, Riehen, near Basel, assignor to Firm Society of Chemical Industry in Basle, Basel, Switzerland. Stilbene dyestuffs and making same. 1,861,323; May 31.

Schmid, Max, Riehen, near Basel, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs of the stilbene series and making same. 1,861,324; May 31.

Schmid, Max, Riehen, near Basel, and F. Straub, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuffs and making same. 1,847,022; Feb. 23.

Schmid, Stephen, jr., Jersey City, N. J. Electric drive tractor. 1,863,504; June 14.

Schmid, William, assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,877,058; Sept. 13.

Schmid-Burgk, Wolfgang, Aachen, and H. Nehlsen, Rheydt, assignors to Deutsche Elektrizitatswerke zu Aachen Garbe, Lahmeyer & Co. Aktiengesellschaft, Aachen, Germany. Induction motor. 1,851,155; Mar. 29.

Schmidding, Firm Wilhelm. (See Riemann, Ferdinand, assignor.)

Schmid-Domann, Josef, Lucerne, Switzerland. Washing machine. 1,891,842; Dec. 20.

Schmidt, Adolf, Berlin-Charlottenburg, and G. Peneff, Berlin-Wilmersdorf, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Rotary tiller. 1,852,859; Apr. 5.

Schmidt, Adolph C., Oakland, Calif. Bumper for automotive vehicles. 1,881,390; Oct. 4.

Schmidt, Adolph T. (See Lindemann, A. J. and W. C., and Schmidt.)

Schmidt, Adolph T., Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company. Vapor stove. 1,869,827; Aug. 2.

Schmidt, Albrecht, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Printing pastes from dyestuffs and preparing them. 1,856,434; May 3.

Schmidt, Albrecht, O. Ernst, and H. Lange, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Alkyl naphthalenes and preparing same. 1,879,912; Sept. 27.

Schmidt, Alfred, Dusseldorf, Germany. Manufacturing bent pipes. 1,888,891; Nov. 22.

Schmidt, C., Company, The. (See Ahrens, Edwin J., assignor.)

Schmidt, Carl G. A., jr. (See Brown, E. C., and Schmidt.)

Schmidt, Charles G. G. (See Aurori, F. F., and Schmidt.)

Schmidt, Charles G. G., & Company. (See Aurori, F. F., and Schmidt, assignors.)

Schmidt, Edwin, Catoosa, Okla. Tractor wheel. 1,881,135; Oct. 4.

Schmidt, Edwin X., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Method and apparatus for proportioning fluids used in combustion processes. 1,849,335; Mar. 15.

Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Calorimetry for burning gases of relatively low heating value. 1,869,585; Aug. 2.

Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock absorbing mechanism. 1,853,836; Apr. 12.

Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Friction draft gear. 1,853,886; Apr. 12.

Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Friction draft gear. 1,853,932; Apr. 12.

Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock absorber. 1,853,933; Apr. 12.

Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft attachment for railway vehicles. 1,859,355; May 24.

Schmidt, Ernst, Arnau-on-the-Elbe, Czechoslovakia. Producing high-grade cellulose from wood, straw, grasses, and other vegetal materials. 1,840,413; Jan. 12.

Schmidt, Ernst, Berlin, Germany. Sheet metal container. 1,869,511; Aug. 2.

Schmidt, Ernst, Danzig, Free City of Danzig. Heat insulation. 1,890,444; Dec. 6.

Schmidt, Ferdinand E., assignor to C. A. Dunham Company, Marshalltown, Iowa. Thermostatic trap. 1,886,500; Nov. 8.

Schmidt, Francis J., jr., and C. J. Nash, Wauwatosa, Wis. Visor attachment for windshields of motor driven vehicles. 1,876,434; Sept. 6.

Schmidt, Friedrich R., Marston, England. Flow operated valve. 1,853,702; Apr. 12.

Schmidt, Hans, Jena, Germany. Diaphragm for sound receiving, reproducing, amplifying, and transmitting instruments. 1,873,335; Aug. 23.

Schmidt, Hans, Elberfeld-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stable solutions of pentavalent antimony compounds. 1,851,450; Mar. 29.

Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stable solutions of metal complex compounds. 1,873,668; Aug. 23.

Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Calcium complex salts. 1,879,533; Sept. 27.

Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Metal complex compound. 1,889,383; Nov. 29.

Schmidt, Harry H., Detroit, Mich. Toy gun. 1,883,826; Oct. 18.

Schmidt, Henry F., Conroy, Iowa. Self loading fuse box. 1,873,488; Aug. 23.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing mechanism. 1,841,424; Jan. 19.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser circulating system. 1,845,547; Feb. 16.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser water circulating system. 1,845,548; Feb. 16.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction gearing. 1,849,696; Mar. 15.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser circulating. 1,862,282; Jun. 7.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller type fluid translating apparatus. 1,873,381; Aug. 23.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine sea chest. 1,884,282; Oct. 25.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Manufacturing propellers. 1,891,612; Dec. 20.

Schmidt, Henry H., Chicago, Ill. Toy gun. 1,847,672; Mar. 1.

Schmidt, Hugo F., and L. Jung, Milwaukee, Wis., assignor to Gugler Lithographic Company. Offset proof press. 1,866,910; July 12.

Schmidt, Jakob, Newark, N. J. Combination radio and clock cabinet with fountain. Des. 87,086; May 31.

Schmidt, Johann P., jr., Remscheid, Germany. Corner bracket. 1,867,107; July 12.

Schmidt, Johann P., jr., Remscheid-Dorfmulde, Germany. Curtain drawing device. 1,877,984; Sept. 20.

Schmidt, John, assignor to Sprague-Sells Corporation, Hoopeston, Ill. Vegetable washing machine. 1,847,309; Mar. 1.

Schmidt, John, assignor to Sprague Sells Corporation, Hoopeston, Ill. Apparatus for treating food products. 1,848,225; Mar. 8.

Schmidt, John, assignor to Schmidt Sheet Metal Works, Inc., Buffalo, N. Y. Window screen. 1,879,534; Sept. 27.

Schmidt, John E. (See Fink, H. A., and Schmidt.)

Schmidt, John E., assignor to Kling Bros. Engineering Works, Chicago, Ill. Interchangeable structure. 1,868,913; June 21.

Schmidt, John F., assignor to The Corcoran-Brown Lamp Company, Cincinnati, Ohio. Laminated lamp construction. 1,868,259; July 19.

Schmidt, John J. and M. A. Frank, assignors to The Frederick Iron & Steel Company, Frederick, Md. Power saw and drill. 1,840,533; Jan. 12.

Schmidt, Karl, assignor to General Motors Research Corporation, Detroit, Mich. Spare tire lock. 1,845,446; **Feb. 16.**

Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric supply system. 1,849,336; Mar. 15.

Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Energy absorption means for switching contacts. 1,873,948; Aug. 23.

Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz, Aktiengesellschaft, Berlin-Tempelhof, Germany. Speed regulator. 1,879,824; Sept. 27.

Schmidt, Karl F. (See Fuller, L., and Schmidt.)

Schmidt, Karl J., and Max Kroeber, assignors to Knoll Aktiengesellschaft, Chemische Fabriken, Ludwigshafen-on-the-Rhine, Germany. Manufacturing imino-ethers. 1,859,623; Nov. 29.

Schmidt, Lambert, jr., Brooklyn, assignor to himself and L. Freund, New York, N. Y. Fuse plug. 1,841,638; Jan. 19.

Schmidt, Lambert, jr., Brooklyn, assignor to himself and L. Freund, New York, N. Y. Fuse plug and socket. 1,868,383; June 14.

Schmidt, Lester C., assignor of one-half to Kenosha Die & Stamping Works, Kenosha, Wis. Carburetor. 1,886,910; Nov. 8.

Schmidt, Lionel A., Poughkeepsie, N. Y., assignor to Pennsylvania Gasoline Drill Company. Impact tool. 1,841,553; Jan. 19.

Schmidt Lithograph Company. (See Robinson, Joseph F., assignor.)

Schmidt, Louis A., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Cutting and folding mechanism for one-web printing machines. 1,859,217; Mar. 22.

Schmidt, Louis D., assignor to Combination Door Company, Fond du Lac, Wis. Locking device. 1,878,544; Sept. 20.

Schmidt, Max, Dessau-in-Anhalt, and P. Hanke, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic film-pack casing. 1,860,482; May 31.

Schmidt, Maximilian P., assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Solid stable diazo compounds and preparing them. 1,840,333; Jan. 12.

Schmidt, Maximilian P., and W. Neugebauer, Biebrich-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the polynuclear aromatic imidazole series and preparing them. 1,878,986; Sept. 20.

Schmidt, Maximilian P., and W. Krieger, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Diazo-types and making the same. 1,853,462; Apr. 12.

Schmidt, Maximilian P., and R. Zahn, Wiesbaden-Biebrich, assignors to Kalle & Co. Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Light-sensitive layers and preparing them. 1,845,989; Feb. 16.

Schmidt, Norman W., Clayton, Ohio. Rain protector. 1,859,313; June 28.

Schmidt, Ommo, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Compensator. 1,841,689; Jan. 19.

Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Floor drain. 1,854,433; Feb. 9.

Schmidt, Oscar C., and A. G. Klawitter, assignors to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Overhead track. 1,878,605; Sept. 20.

Schmidt, Otto, Berlin-Tegel, Germany. Precision quick balance. 1,845,523; Feb. 16.

Schmidt, Otto, Ludwigshafen-on-the-Rhine, and E. Meyer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of resinous products. 1,845,198; Feb. 16.

Schmidt, Otto, K. Seydel, Ludwigshafen-on-the-Rhine, and E. Meyer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of amines of the hydroaromatic-aliphatic series. 1,845,563; Feb. 16.

Schmidt, Otto, and O. Grosskinsky, Ludwigshafen-on-the-Rhine, assignors to G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon black. 1,868,919; July 26.

Schmidt, Otto, and O. Grosskinsky, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon black. 1,868,920; July 26.

Schmidt, Otto, and O. Grosskinsky, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon black. 1,868,921; July 26.

Schmidt, Otto, and G. Niemann, Ludwigshafen-on-the-Rhine, and E. Meyer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of conversion products of synthetic rubber. 1,852,976; Oct. 18.

Schmidt, Otto, and G. Niemann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrogen. 1,882,977; Oct. 18.

Schmidt, Otto, and O. Grosskinsky, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of unsaturated aliphatic hydrocarbons. 1,882,978; Oct. 18.

Schmidt, Otto W., Kansas City, Mo. Ditch conserver. 1,852,268; Apr. 5.

Schmidt, Paul, Sorau, Germany. Loom. 1,889,500; Nov. 29.

Schmidt, Paul, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 88,261; Nov. 8.

Schmidt, Paul, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 88,262; Nov. 8.

Schmidt, Richard J., assignor to The Akron Equipment Company, Akron, Ohio. Tire repair vulcanizer. 1,849,124; Jan. 19.

Schmidt, Richard P., Ottawa, Ill. Barbed wire stringing device. 1,852,993; Apr. 5.

Schmidt, Robert E., Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Splitting off sulpho groups from anthraquinone sulfonic acid derivatives. 1,855,331; Apr. 26.

Schmidt, Robert E., B. Stein, and K. Bamberger, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs of the N-dihydro-1,2-2',1'-anthraquinone azine series. 1,851,114; Mar. 29.

Schmidt, Robert E., Elberfeld, and R. Berliner, Vohwinkel, near Cologne, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the anthraquinone series containing the radicle of formaldehyde in a stable linkage. 1,855,330; Apr. 26.

Schmidt, Robert E., Elberfeld, B. Stein, Mannheim, and K. Bamberger, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of 1,4,4'-trihydroxy-2,2'-dianthraquinonyl-3,1'-oxide. 1,878,987; Sept. 20.

Schmidt, Robert E., B. Stein, and K. Bamberger, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs of the anthraquinone series. 1,879,535; Sept. 27.

Schmidt, Rudolf, Vienna, Austria, assignor to "Patiag" Patentverwertungs - and Industrie - Aktiengesellschaft, Vaduz, Liechtenstein. Rotary pump and the like. 1,846,692; Feb. 23.

Schmidt, Rudolph, Kansas City, Kans. Truss. 1,852,837; **Apr. 5.**

Schmidt Securities Company. (See Hoppe, Friedrich A., assignor.)

Schmidt Sheet Metal Works, Inc. (See Schmidt, John, assignor.)

Schmidt, Victor P., and H. A. Brenaman, Altoona, Pa. Transfer device for overhead track systems. 1,841,640; **Jan. 19.**

Schmidt, Victor P., and H. A. Brenaman, Altoona, Pa. Mold for nonferrous castings. 1,863,935; June 21.

Schmidt, Victor P., and H. A. Brenaman, Altoona, Pa. Centering gauge. 1,863,936; Sept. 20.

Schmidt, Walter. (See Beck, A., Schmidt, and Dibelka.)

Schmidt, Walter. (See Nicodemus, O., and Schmidt.)

Schmidt, Werner, and P. Hartmuth, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Alkylated aminoacridinium compounds and process of making them. 1,877,985; Sept. 20.

Schmidt, Wilhelm, Breslau, Germany. Cycle saddle. 1,851,136; Oct. 4.

Schmidt, Wilhelm Paul, San Francisco, Calif. Suspensory. 1,866,060; July 5.

Schmidt, William C., Oak Park, Ill., assignor, by mesne assignments, to T. W. & C. B. Sheridan Company, New York, N. Y. Headbanding apparatus. 1,845,725; Feb. 16.

Schmidt, William C., Oak Park, Ill., assignor, by mesne assignments, to T. W. & C. B. Sheridan Company, New York, N. Y. Bookbinding machine. 1,861,325; May 31.

Schmidt, William C., Chicago, Ill., assignor, by mesne assignments, to T. W. & C. B. Sheridan Company, New York, N. Y. Bookbinding machinery. 1,864,766; June **28.**

Schmidt, William D., assignor to The Heald Machine Company, Worcester, Mass. Chuck. 1,882,975; Oct. 18.

Schmidt, William J., Chicago, Ill. Table. 1,866,176; **July 5.**

Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Engler, Otto, assignor.)

Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartman, Otto H., assignor.)

Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Wempe, Friedrich, assignor.)

Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Hartmann, Otto H., assignor.)

Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Hartmann, O. H., and Trede, assignors.)

Schmidtsche Heissdampf-Gesellschaft mit beschrankter Haftung. (See Hermann, A., and Schug, assignors.)

Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung. (See Peperkorn, Heinrich, assignor.)

Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung. (See Trede, H., and Hartmann, assignors.)

Schmieueknecht, Victor E., Louisville, Ky., Washing machine ..... 1,856,268 ; May 3.

Schmiedeknecht, Victor E., Louisville, Ky., Continuous mixing machine. ..... 1,862,436 ; June 7.

Schmiedeknecht, Victor E., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Molding hollow-ware articles. ..... 1,882,652 ; Oct. 11.

Schmiedel, Alfred J., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Device for producing box parts with inserted edge lining. ..... 1,886,054 ; Nov. 1.

Schmiedel, Johannes, assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Method of forming box parts. ..... 1,856,267 ; May 3.

Schmiedel, Johannes, assignor to the Firm Universelle Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany. Machine for applying edging strips to cartons and the like. ..... 1,861,143 ; May 31.

Schmiedel, Johannes, assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany. Method of and apparatus for applying sealing strips. ..... 1,861,144 ; May 31.

Schmiedel, Johannes, assignor to the Firm "Universelle" Cigarettenmaschinen-fabrik J. C. Müller & Co., Dresden, Germany. Forming boxes or box parts with curved bottoms. ..... 1,862,390 ; June 7.

Schmiedel, Johannes, assignor to the Firm Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Forming boxes consisting of two parts one of which has a curved wall. ..... 1,886,055 ; Nov. 1.

Schmiedel, Johannes, assignor to the Firm Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Machine for producing two-part boxes. ..... 1,888,808 ; Nov. 22.

Schmiedel, Johannes, assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Folding machine. ..... 1,889,574 ; Nov. 29.

Schmiedeskamp, August J. (See Bennett, H. S., and Schmiedeskamp.)

Schmiedeskamp, August J., Berkeley, Calif. Rolling screen retaining means. ..... 1,882,982 ; Oct. 18.

Schmieding, Warren H. F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. ..... 1,866,823 ; July 12.

Schmieding, Warren H. F., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. ..... 1,869,917 ; Aug. 2.

Schmieding, Warren H. F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. ..... 1,882,979 ; Oct. 18.

Schmieg, Harry, East St. Louis, Ill. Tube coupling. ..... 1,892,587 ; Dec. 27.

Schmieske, Carl, assignor to Deutsche Schiff- und Maschinenbau Aktiengesellschaft, Bremen, Germany. Emptying device for liquid couplings. ..... 1,866,424 ; July 5.

Schmissrauter, John M., San Pedro, and J. E. Harris, Lomita, Calif. Method and apparatus for scavenging core drills. ..... 1,853,581 ; Apr. 12.

Schmitt, Alfred, Cincinnati, Ohio. Screw plug for plastic walls. ..... 1,881,973 ; Oct. 11.

Schmitt, Frank R., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Article-feed for wrapping machines. ..... 1,846,009 ; Feb. 23.

Schmitt, Frank R., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Underfold wrapping machine. ..... 1,851,295 ; Mar. 29.

Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Automatic package-conveyor control for wrapping machines. ..... 1,885,952 ; Nov. 1.

Schmitt, Frank R., Queens Village, N. Y., assignor to International Cigar Machinery Company. Cigar envelloping. ..... 1,892,254 ; Dec. 27.

Schmitt, Georg G. E., Berlin-Wilmersdorf, Germany. Swimming appliance. ..... 1,843,582 ; Feb. 2.

Schmitt, Georg G. E., Berlin-Wilmersdorf, Germany. Swimming appliance. ..... 1,888,867 ; Nov. 22.

Schmitt, Gustave P., New York, N. Y. Fortune-telling cord. Des. 87,134 ; June 7.

Schmitt, Heinrich, Witten-on-the-Ruhr, Germany. Stop valve. ..... 1,885,864 ; Nov. 1.

Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Spraying device. ..... 1,873,337 ; Aug. 23.

Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Medicinal spray. ..... 1,887,949 ; Nov. 15.

Schmitt-Murphy Laboratories, Inc. (See Schmitt, Otto G., assignor.)

Schmitt, Otto G., assignor to Schmitt-Murphy Laboratories, Inc., Omaha, Nebr. Merchandise carton. ..... 1,871,426 ; Aug. 9.

Schmitt, Robert. (See Zitscher, A., and Schmitt.)

Schmitt, Roy, Fairview, Kans. Ditch check. ..... 1,861,031 ; May 31.

Schmitt, Rudolph L., Dallas, Tex. Artificial tooth mounting. ..... Re18,446 ; Apr. 26.

Schmitt, Theodore, Cleveland, Ohio. Supporting device and forming the same. ..... 1,858,465 ; May 17.

Schmitthenner, Carlos, Heidenheim-on-the-Brenz, Germany. Safety device for wing type turbines, pumps, and similar pieces of apparatus with movable vanes. ..... 1,884,581 ; Oct. 25.

Schmitthenner, Carlos, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Incorporated, New York, N. Y. Sealing device. ..... 1,886,580 ; July 12.

Schmittnagel, Johann P., Basel, Switzerland, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Making substituted guanidines. ..... 1,878,545 ; Sept. 20.

Schmitz, Carl, Oelde, Germany. Liquid excluder for the bearings of centrifugal separators. ..... 1,888,475 ; Nov. 22.

Schmitz, Fred A., Canton, assignor to Republic Steel Corporation, Youngstown, Ohio. Edge construction for desk tops and the like. ..... 1,885,554 ; Nov. 1.

Schmitz, Theodore J., Dunkirk, N. Y. Manufacturing pipe. ..... 1,847,310 ; Mar. 1.

Schmitz, William, assignor to Eugene, Ltd., New York, N. Y. Heating unit for use in waving human hair. ..... 1,847,673 ; Mar. 1.

Schmohl, Emma F., Larchmont, N. Y. Protecting guard. ..... 1,840,259 ; Jan. 5.

Schmock, Rudolf. (See Döring, F., and Schmock.)

Schmock, Rudolf, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Transmission of colored pictures. ..... 1,854,315 ; Apr. 19.

Schmock, Rudolf, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Picture telegraph apparatus. ..... 1,857,745 ; May 10.

Schmucker, John, Los Angeles, Calif. Collapsible shoe tree and stretcher. ..... 1,839,900 ; Jan. 5.

Schmutz, Julius, Louisville, Ky. Sheet metal printing machine. ..... 1,885,634 ; Nov. 1.

Schnars, David R. (See Schnell, G. H., and Schnars.)

Schnabel, Emil, Dessau in Anhalt, and F. A. W. Kühne, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Impregnating webs, cloths, and fabrics. ..... 1,852,065 ; Apr. 5.

Schnabel, Rudolf, Berlin, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation. Producing foam from foam developing substances. ..... 1,874,209 ; Aug. 30.

Schnabl, Franz, Jena, Germany, assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Optical square. ..... 1,869,512 ; Aug. 2.

Schnack, Henry C. S. (See Davies, Willard J., and Schnack.)

Schnake, August C., Centralia, Ill. Soap holder. ..... 1,889,501 ; Nov. 29.

Schnebel, Eduard, Braunstein, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Rhur, Germany. Manufacturing shapes from homogeneous alloys of great hardness. ..... 1,855,994 ; Apr. 26.

Schnebeli, Hugo, Courbevoie, France. Carburetor. ..... 1,879,536 ; Sept. 27.

Schneegluth, Karl, assignor to Amberger Flaschenhutten A. G., Amberg, Germany. Glass-forming machine. ..... 1,844,185 ; Feb. 9.

Schneer, Louis, Waterbury, Conn. Cap for paste tubes. ..... 1,881,177 ; July 5.

Schneevoigt, Alwin, and A. Nowak, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of effects on textiles. ..... 1,871,087 ; Aug. 9.

Schnefel Brothers, Inc. (See Schnefel, Maximilian, assignor.)

Schnefel, Maximilian, Newark, N. J., assignor to Schnefel Brothers, Inc. Pencil finger nail cleaner. ..... 1,848,751 ; Mar. 8.

Schnefel, Maximilian, Newark, N. J., assignor to Schnefel Brothers, Inc. Finger nail clipper. ..... 1,849,592 ; Mar. 15.

Schneider, Adolf, Munich, Germany. Steam generator. ..... 1,855,001 ; Apr. 19.

Schneider, Alfons, Munich, Germany. Mechanism for operating vehicle lifting jacks. ..... 1,847,787 ; Mar. 1.

Schneider, Anton, Eschelbach, Baden, Germany. Floating frame for reduction of road vibration. ..... 1,850,243 ; Mar. 22.

Schneider, Arthur, Dusseldorf, assignor to Eumuco Aktiengesellschaft fur Maschinenbau, Leverkusen-Schebusch, Germany. Power hammer. ..... 1,875,939 ; Sept. 6.

Schneider, August. (See Kohler, J. H., and Schneider.)

Schneider, Benjamin A., Laurel, Miss. Making honeycomb brick. ..... 1,841,215 ; Jan. 12.

Schneider, Bernard R., Lynhurst, N. J., and K.,Kaiser, assignors to American Cigar Company, New York, N. Y. Coupon folding machine. ..... 1,846,764 ; Feb. 23.

Schneider, Bernard R., Lyndhurst, and K. Kaiser, Ridgefield, N. J., assignors, by mesne assignments, to S. Karpen & Bros., Chicago, Ill. Spring turning mechanism. ..... 1,858,211 ; May 10.

Schneider, Bernard R., Lyndhurst, and K. Kaiser, Ridgefield, N. J. Machine for inclosing metallic coiled springs. ..... 1,861,429 ; May 31.

Schneider, Bernard R., Lyndhurst, N. J., and K. Kaiser, assignors, by mesne assignments, to The American Tobacco Company, New York, N. Y. Coupon feeding mechanism. 1,864,695; June 28.

Schneider, Bernhard, Eichwalde, near Berlin, Germany. Light reflector. 1,878,646; Sept. 20.

Schneider, Cale J., Toledo, Ohio. Food breaker. 1,858,790; May 17.

Schneider & Cie. et al. (See Daum, Leon, assignor.)

Schneider & Cie. (See Fleux, Jean, assignor.)

Schneider & Cie. (See Methlin, Nicolas E., assignor.)

Schneider, Edwin J., Jamaica, and C. Charles L., assignor.)

Schneider, Edward J., assignor to Papendick, Inc., St. Louis, Mo. Slicing machine. 1,858,791; May 17.

Schneider, Edwin J., Jamaica, N. Y. Armored cable. 1,863,169; June 14.

Schneider, Edwin J., Jamaica, and M. B. Bradt, Brooklyn, assignors, by mesne assignments, to General Cable Corporation, New York, N. Y. Electric conductor. 1,876,350; Sept. 6.

Schneider, Elmer, Chicago, Ill. Medicine glass. 1,839,268; Jan. 5.

Schneider, Elmer, Philadelphia, Pa., assignor to The Brown Instrument Company, Humidity measuring. 1,855,774; Apr. 26.

Schneider, Elmer, assignor to Republic Flow Meters Co., Chicago, Ill. Electrical testing instrument. 1,877,739; Sept. 13.

Schneider, Eugene H., Denver, Colo. Control valve equipment for oil and gas wells. 1,889,384; Nov. 29.

Schneider, Ferdinand, Fulda, Germany. Electric wave indicator. 1,846,910; Feb. 23.

Schneider, Ferdinand, Fulda, Germany. Electrical advertisement clock. 1,879,913; Sept. 27.

Schneider, Frank E., Oswego, N. Y. Jig saw. 1,852,193; Apr. 5.

Schneider, Frank F., Ridgefield, Conn. Electric door opener. 1,854,768; Apr. 19.

Schneider, Frank H., and Robert Healthy, Ohio. Suction cleaner germ destroying device. 1,863,883; June 21.

Schneider, Fred, Cleveland, Ohio. Indicating caliper. 1,849,959; Mar. 15.

Schneider, Frederick W., Baltimore, Md., assignor to Pittsburgh Plate Glass Company. Brush holder or wringer. 1,852,879; Apr. 5.

Schneider, George. (See Dreyfus, C., Cameron, and Schneider.)

Schneider, George. (See Dreyfus, C., and Schneider.)

Schneider, George, Saginaw, Mich., assignor to Wilcox-Rich Corporation, Tappet production method. 1,851,732; Mar. 29.

Schneider, George, Cumberland, Md., assignor to Celanese Corporation of America. Application of cellulose esters and ethers. 1,883,412; Oct. 18.

Schneider, George B., and Elsworth S. Nowery, Beaumont, Tex. Well bottom. 1,869,352; July 26.

Schneider, George J., Detroit, Mich. Electrical switch. 1,858,865; Nov. 1.

Schneider, Harold G., Wollaston, assignor to Schneider Stabilizer, Incorporated, Boston, Mass. Balancing apparatus for aircraft. 1,851,107; Oct. 4.

Schneider, Heinrich, Beloit, Wis. Locomotive. 1,850,290; Mar. 22.

Schneider, Henry E., assignor to Hays Manufacturing Co., Erie, Pa. Fork holder. 1,849,470; Jan. 12.

Schneider, Henry E., Erie, Pa., assignor to Hays Manufacturing Company. Tube bending machine. 1,868,852; July 26.

Schneider, Hermann. (See Straub, F., and Schneider.)

Schneider, Hermann. (See Straub, F., Schneider, and Bernhard.)

Schneider, Hermann. (See Straub, F., Schneider, and Mayer.)

Schneider, John, sr. (See Schneider, John, jr., assignor.)

Schneider, John, Roselle Park, N. J., assignor to The Delta Star Electric Company, Chicago, Ill. Switch. 1,877,986; Sept. 20.

Schneider, John jr., assignor of one-half to John Schneider, sr., Sloatsburg, N. Y. Automobile nonskid device. 1,884,283; Oct. 25.

Schneider, Kate (See Hahn, T. M., and Schneider.)

Schneider, Lillian, and A. Reich, Brooklyn, N. Y. Vegetable washer and cleaner. 1,844,691; Feb. 9.

Schneider, Matthew G. (See Slocum, Benjamin A., assignor.)

Schneider, Matthew G., Binghamton, N. Y. Protective garment. 1,884,284; Oct. 25.

Schneider, Oskar Redin, Germany. Central lubricating device. 1,875,181; Aug. 30.

Schneider, Peter, Oswego, N. Y. Window lock and anti-rattler. 1,886,746; Nov. 8.

Schneider, Simon. (See Murphy, D. F., and Schneider.)

Schneider Stabilizer, Incorporated. (See Schneider, Harold G., assignor.)

Schneider, Stefan, Philadelphia, Pa. Adjustable arm sofa. 1,842,208; Jan. 19.

Schneider, Stefan, Philadelphia, Pa. Adjustable article of furniture. 1,881,245; Oct. 4.

Schneider, Wilhelm. (See Dürr, H., and Schneider.)

Schneider, Wilhelm. (See Günther, F., Lange, and Schneider.)

Schneider, Wilhelm. (See Luettringhaus, A., Neresheimer, and Schneider.)

Schneider, Wilhelm. (See Lüettringhaus, A., Neresheimer, Eichhola, Boehner, and Schneider.)

Schneider, Wilhelm. (See Neresheimer, H., and Schneider.)

Schneider, Wilhelm, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Antihalation layers for photographic material. 1,879,537; Sept. 27.

Schneider, William, assignor to Hays Manufacturing Co., Erie, Pa. Diverter valve. 1,868,765; July 26.

Schneider, William G., and H. H. Eaton, assignors to The Electric Auto-Lite Company, Toledo, Ohio. Coil construction. 1,878,606; Sept. 20.

Schneiderwirth, Herman J., New York, N. Y. Purification apparatus. 1,864,767; June 28.

Schnell, Frederick H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Exhaust muffler. 1,844,104; Feb. 9.

Schnell, Frederick H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Exhaust muffler. 1,844,105; Feb. 9.

Schnell, Frederick H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Exhaust muffler. 1,844,106; Feb. 9.

Schnell, Fritz. (See Soll, J., and Schnell.)

Schnell, Steve, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake mechanism. 1,860,959; May 31.

Schnell, Steve, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake mechanism. 1,879,296; Aug. 9.

Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Smoking case. 1,877,059; Sept. 13.

Schnell, William, and E. S. Carlson, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. Des. 86,641; Mar. 29.

Schnell, William, and J. R. Ehrbar, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Vanity and smoking case. 1,846,523; Feb. 23.

Schnell, William, and J. B. Flynn, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Smoking case. 1,863,884; June 21.

Schnellpressenfabrik Aktiengesellschaft Heidelberg. (See Büttner, Artur, assignor.)

Schnepf, Emil L., assignor to Seammell China Co., Trenton, N. J. Plate. Des. 97,981; Oct. 18.

Schnering, Otto Y., assignor to Curtiss Candy Company, Chicago, Ill. Display receiver. 1,862,043; June 14.

Schnitter, Sylvester B., Maracaibo, Venezuela. Flow check. 1,863,795; July 5.

Schnitzer, Louis M., New York, N. Y. Well ash tray or like article. Des. 86,413; Mar. 1.

Schnitzer, Louis M., New York, N. Y. Well ash tray or like article. Des. 86,414; Feb. 23.

Schnitzer, Richard, Zurich, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Work feed control. 1,851,154; Mar. 29.

Schnitzspahn, Karl, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Solid diazocomponents. 1,846,150; Feb. 23.

Schnitzspahn, Karl, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New solid diazoazosalts. 1,846,151; Feb. 23.

Schnitzspahn, Karl, Offenbach-on-the-Main, Germany, assignor to General Aniline Works Inc., New York, N. Y. Solid preparations of aryldiazonium fluoborates yielding concentrated diazo solutions and making same. 1,862,241; June 7.

Schnitzspahn, Karl, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Solid diazonozomefal halide double salt. 1,889,298; Nov. 29.

Schnoor, Alexander F. C., Los Anzeles, Calif. Advertising system and apparatus. 1,844,692; Feb. 9.

Schnoor, Raymond D. (See Peter, E. C. Schuknecht, and Schnoor.)

Schnuck, Carl F. (See Lewis, R. C., and Schnuck.)

Schnuck, Carl F. (See Morey, C., and Schnuck.)

Schnuck, Carl F., New Haven, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Roll caliper. 1,849,611; Feb. 16.

Schnuck, Carl F., New Haven, and G. W. Kuntney, Naugatuck, assignors of one-half to Farrel-Burmingham Company, Inc., Derby, and one-half to The Bristol Company, Waterbury, Conn. Repetitive-process indicator apparatus. 1,878,716; Sept. 20.

Schnull, Gustav A., et al. (See Davis, Dean W., assignor.)

Schnurrbusch, Kurt, Berlin-Pankow, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Hem folder for sewing machines. 1,857,032; May 3.

Schodt, Eugene P., Austin, Tex. Dehydrated and charred lump lignite and producing the same. 1,871,862; Aug. 16.

Schodlbauer, Erwin, New York. N. Y. Safety razor. 1,848,666; Mar. 8.

Schoedinger, F. O. (See Armstrong, Edward R., assignor.)

Schoedinger, Jacob A., sr., Miami, Fla. Automobile tire. Des. 86,810; Apr. 19.

Schoedl, Clifford R., assignor to Gem Doughnut Machine Co., Inc., Waterloo, Iowa. Dough dispensing device. 1,870,654; Aug. 9.

Schoel, Fred L., assignor to Gem Doughnut Machine Co., Inc., Waterloo, Iowa. Adjustable dough dispensing machine. 1,856,511; May 3.

Schoel, Fred L., Waterloo, Iowa, assignor to Gem Doughnut Machine Company and M. Gericke, Waterloo, Iowa. Doughnut forming machine. 1,866,061; July 5.

Schoeller, Alfred, Frankfort-on-the-Main, Germany. Carburetor. 1,849,917; Mar. 15.

Schoeller, Felix, & Bausch. (See Bausch, V., and Schroth, assignors.)

Schoeller, Walter, H. Jordan, and W. Linde, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Production of alkylated phenols. 1,848,665; Mar. 8.

Schoeller, Walter, and M. Gericke, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Recovery of a water soluble preparation of the hormone of the anterior lobe of the pituitary gland. 1,857,878; May 10.

Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin, Steglitz, and R. Clere, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Production of thymol. 1,865,544; July 5.

Schoeller, Walter, E. Schwenk, and H. Jordan, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Production of piperidine. 1,870,071; Aug. 2.

Schoeller, Walter, Berlin-Westend, H. Jordan, Berlin-Steglitz, and W. Linde, Berlin, assignors to the Firm Schering-Kahlbaum A-G., Berlin, Germany. Simultaneous hydrogenation and dehydrogenation. 1,877,203; Sept. 13.

Schoeller, Walter, Berlin, H. Jordan, Berlin-Steglitz, and H. Schöllkopf, Dusseldorf-Oberkassel, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Production of menthenes. 1,879,767; Sept. 27.

Schoellkopf, Jacob F., and H. Lee, Dallas, Tex. Trunk. 1,882,193; Oct. 11.

Schoen, Arnold F., Saugerties, N. Y. Antiglare device for automobile headlights. 1,868,995; July 26.

Schoenberg, Jacob A., Spokane, Wash. Automobile or vehicle running gear. 1,877,364; Sept. 13.

Schoenberg, Virgil A., Morton Grove, assignor to Light-Sensitive Apparatus Corporation, Niles Center, Ill. Sound picture attachment for moving picture machines. 1,888,293; Nov. 22.

Schoenborn, Clarence E., Conklin, Mich. Two wheel drive differential. 1,885,501; Nov. 1.

Schoenburg, Curt. (See Nicolai, F., Schoenburg, and der Bruck.)

Schoene, Kurt, Hamburg, Germany. Valve especially for pumps and compressors. 1,870,927; Aug. 9.

Schoene, Kurt, Hamburg, Germany. Valve. 1,886,840; Nov. 8.

Schoene, Erwin, and K. Freiseis, Brooklyn, N. Y. Pipe cleaning apparatus. 1,887,722; Nov. 15.

Schoenfeld, Gertrude, Astoria, N. Y. Bottle. Des. 87,135; June 7.

Schoenfeld, Walter, St. Paul, Minn. Pipe cleaner. 1,869,716; Aug. 2.

Schoenfeldt, Henry W., Youngstown, Ohio, assignor of sixty and eight-tenths per cent to G. J. Burns, Girard, Ohio. Pudding furnace. 1,883,413; Oct. 18.

Schoenholz, Irving, and McCabe, C. J., and Schoenholz.)

Schoeninger, Adolf, Glen Ridge, N. J., assignor to Forstner Chain Corporation. Ornamental chain construction. 1,861,913; Dec. 13.

Schoenky, August R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole-positioning means. 1,884,882; Oct. 25.

Schoenleber, Gretchen B., assignor to Ambrosia Chocolate Company, Milwaukee, Wis. Candy confection. Des. 88,675; Dec. 13.

Schoepke, Robert, Juneau, Wis. Window frame. 1,878,546; Sept. 20.

Schoetzow, Victor P., Marcellus, Mich. Valve retainer. 1,852,983; June 7.

Schofer, Karl. (See Alvera, J., and Schofer.)

Schoffman, J. R., et al. (See Pitcher, Elmer, assignor.)

Schofield, Edwin R., and R. Kramaroff, Philadelphia, Pa. Reciprocal rake apparatus. 1,874,125; Aug. 30.

Schofield, Edwin R., and R. Kramaroff, Philadelphia, Pa. Rake. 1,874,126; Aug. 30.

Schofield, John C., and V. A. Johnson, assignors of fifteen one hundredths to R. D. Pearson, Los Angeles, Calif. Check valve construction. 1,856,512; May 3.

Schofield, John C., assignor to C. A. M. Wells, Washington, D. C., and T. H. Welsh, Hyattsville, Md. Vending machine. 1,882,261; Oct. 11.

Schofield, William R., jr., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method and system for controlling regenerative furnaces. 1,886,430; Nov. 8.

Schol, Carl H., Allendorf, Germany. Apparatus for obtaining a highly porous, cellular, light material from blast furnace slag. 1,888,394; Nov. 22.

Scholbe, Paul F. (See Sorensen, Edward E., assignor.)

Scholl, Frank J., London, England. Foot arch support. 1,849,734; Mar. 15.

Scholl Mfg. Co., Inc., The. (See Scholl, William M., assignor.)

Scholl, William M., Chicago, Ill. Medical dressing. 1,845,630; Feb. 16.

Scholl, William M., Chicago, Ill. Foot measuring device. 1,850,852; Mar. 22.

Scholl, William M., Chicago, Ill. Arch support and protector therefor. 1,858,524; May 17.

Scholl, William M., Chicago, Ill. Foot supporting means. 1,864,949; June 28.

Scholl, William M., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Paper slipper. 1,882,983; Oct. 18.

Scholler, Heinrich, Munich, Germany. Process and device for the saccharification of cellulose and the like. 1,890,304; Dec. 6.

Schöllkopf, Karl. (See Schoeller, W., Jordan, and Schöllkopf.)

Schöllkopf, Karl. (See Skraup, S., Schöllkopf, and Serini.)

Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschrankter Haftung, Dusseldorf-Oberkassel, Germany. Thymol (3-oxy-1-methyl-4-isopropyl-benzol. 1,870,435; Sept. 6.

Schollmeyer, William A., Yonkers, N. Y. Milk bottle closure. 1,884,883; Oct. 25.

Scholz, Herman A. (See Linnell, H. K., and Scholz.)

Scholz, Victor, Leipzig-Molkau, assignor of one-half to the Firm Atlas Ago Chemische Fabrik, Aktiengesellschaft, Leipzig, Germany. Plastic compound. 1,889,702; Nov. 29.

Schon, David, Red Oak, Iowa. Direction indicator. 1,840,213; Jan. 5.

Schon, David, Red Oak, Iowa. Hay loader. 1,863,505; June 14.

Schon, David, Red Oak, Iowa. Radiator shutter operator. 1,889,703; Nov. 29.

Schon, Lester. (See Shoenberg, M. H., and Schon.)

Schonbein, William F., Portland, Oreg. Combination air cleaner and humidifier. 1,869,344; July 26.

Schonberg, Jackson R., Westfield, N. J., assignor to Standard Oil Development Company. Method and apparatus for carrying out chemical reactions. 1,877,090; Sept. 13.

Schonberg, Jackson R., Westfield, N. J., assignor to Standard Oil Development Company. Distillation under vacuum. 1,877,987; Sept. 20.

Schonberger, Emil F., Cleveland, Ohio, assignor to The Smokeless Furnace & Boiler Co. Inc. Furnace. 1,851,480; May 10.

Schonert, Paul, North Little Rock, Ark. Roof construction. 1,853,231; Apr. 12.

Schönfeld, Paul, Chemnitz, Germany. Hosiery. 1,849,593; Mar. 15.

Schönfeld, Paul, Chemnitz, Germany. Transferring method. 1,873,486; Aug. 23.

Schönfeld, Paul, Chemnitz, Germany. Elastic top in hosiery or the like. 1,873,487; Aug. 23.

Schönfeldt, Nikolaus. (See Hilig, K., and Schönfeldt.)

Schönfeldt, Nikolaus, Berlin-Charlottenburg, R. Reichmann, Berlin, and V. Engelhardt, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Making porous bodies. 1,863,070; June 14.

Schönhöfer, Fritz. (See Schulemann, W., Schönhöfer, and Winpfer.)

Schönhöfer, Fritz. (See Schulemann, Werner, and Schönhöfer.)

Schönhöfer, Fritz, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Quinoline derivative and producing the same. 1,879,538; Sept. 27.

Schoolcraft, Thomas G., Okotoks, Alberta, Canada. Oil well device. 1,845,889; Feb. 16.

Schoolcraft, Zeno, Rochester, Mich. Price card and holder. 1,844,444; Feb. 9.

Schooler, John G., San Angelo, Tex. Fire extinguisher. 1,870,692; Aug. 9.

Schoonman, Johannus C. (See Stevens, C. E., and Schoonenman.)

Schoonenberg, Pancras, assignor to Naamlooze Vennootschap International Octrooibureau, Eindhoven, Netherlands. Machine for manufacturing hollow glass bodies. 1,865,967; July 5.

Schooneveld, Evert, assignor to The Whitaker Manufacturing Company, Chicago, Ill. Ledger or guard plate device for agricultural machines. 1,844,984; Feb. 16.

Schoonmaker, Frederick W., jr., assignor to Schoonmaker Laboratories, Inc., Caldwell, N. J. Collapsible tube. 1,881,378; Oct. 4.

Schoonmaker Laboratories, Inc. (See Schoonmaker, Frederick W., jr., assignor.)

Schoonmaker, Leon M., Forest Hills, N. Y. Sewing machine. 1,848,804; Mar. 8.

Schoonmaker, William H., Montclair, N. J. Clutch mechanism. 1,866,270; July 5.

Schoop, Max U., Hongg, near Zurich, Switzerland. Method and device for producing metallic coatings and particularly lead coatings. 1,845,842; Feb. 23.

Schopp, Otto. (See Morarity, A. F., Witten, and Schopp.)

Schopper, Walter, assignor to Norddeutsche Affinerie, Hamburg, Germany. Treatment of materials containing nickel and/or cobalt, together with copper, iron, lead, and precious metals. 1,863,807; June 21.

Schor, Joseph, et al. (See Skoverski, John R., assignor.)

Schorger, Arlie W., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Porous structure such as sound absorbent plaster. 1,848,386; Mar. 8.

Schorger, Arlie W., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Manufacture of ether derivatives of carbohydrates like cellulose. 1,863,208; June 14.

Schorger, Artie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Coated paper and making the same. 1,863,731; June 21.

Schorr, Kurt. (See Keefe, Lincoln M., assignor.)

Schorr, Raymond A., Akron, and F. R. Frank, Cuyahoga Falls, Ohio. Billboard. 1,867,598; July 19.

Schorsch, Henry. (See Glitsch, John, M. and J. D., and Schorsch.)

Schorsch, Ludwig, Goerkau, Czechoslovakia. Waste combing machine, express-card. 1,839,013; Nov. 29.

Schotel, Gerrit. The Hague, Netherlands. Thermionic transmitter and receiver. 1,885,770; Nov. 1.

Schott, Charles G., St. Louis, Mo., assignor to Wilson Stove & Manufacturing Company, Metropolis, Ill. Assembling metal articles. 1,840,534; Jan. 12.

Schott, Ferdinand J., jr., Cincinnati, Ohio. Paper guide. 1,851,138; Oct. 4.

Schott, John E., Bayonne, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Removal of wax from oils. 1,857,404; May 10.

Schott, Louis, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Waste receptacle. Des. 86,642; Mar. 29.

Schott, Louis, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Painting device. 1,858,466; May 17.

Schottgen, Louis, Fort Murray, N. J. Transporting means for liquids. 1,892,519; Dec. 27.

Schotthoefer, Joseph G., Peoria, Ill. Cutting tool. 1,840,852; Jan. 12.

Schotthoefer, Joseph G., Peoria, Ill. Valve mechanism for internal combustion engines. 1,857,005; May 3.

Schotthoefer, Joseph G., Peoria, Ill. Micrometer. 1,857,437; Nov. 8.

Schouten, Frank, Glen Arm, assignor to The Black & Decker Manufacturing Company, Towson, Md. Centrifugal flexible coupling. 1,862,864; June 14.

Schouwstra, Pieter, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Advertising installation. 1,858,643; May 17.

Schrader's A. Son, Incorporated. (See Williams, Selden T., assignor.)

Schrader's, A., Son, Inc. (See Wahl, J., and Melzer, assignors.)

Schrader, Carl, Berlin-Halensee, assignor to Siemens & Halske, Aktiengeselischaft, Siemensstadt, near Berlin, Germany. High tension transformer. 1,873,049; Aug. 23.

Schrader, Charles C., assignor to Armstrong Cork Company, Lancaster, Pa. Cork board insulation and erecting tool therefor. 1,873,090; Aug. 23.

Schrader, Lloyd F., Richmond Hill, and F. P. Hart, Whitestone, assignors, by mesne assignments, to Semet-Solvay Engineering Corporation, New York, N. Y. Cut-off device. 1,843,373; Feb. 2.

Schrader, Lloyd F., Richmond Hill, N. Y., and W. H. Wright, Montain Lakes, N. J., assignors to Foundation Oven Corporation, New York, N. Y. Combination oven. 1,857,288; May 10.

Schrader, Otto W., Philadelphia, Pa. Double dust bag for vacuum cleaners. 1,842,294; Jan. 19.

Schrader's Sons, Inc. (See Wahl, J. and Melzer, assignors.)

Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Closure fastener. 1,858,966; Apr. 26.

Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Bracket. 1,882,980; Oct. 18.

Schrader, William L., Chicago, Ill. Plaster and package therefor. 1,862,122; June 7.

Schrader's, A., Son. (See Wahl, John, assignor.)

Schrader's, A., Son, Incorporated. (See Kirkpatrick, William J., assignor.)

Schrader's, A., Son, Incorporated. (See Wahl, John, assignor.)

Schrader's, A., Son, Inc. (See Wahl, J., and Melzer, assignors.)

Schraft, W. F., & Sons Corporation. (See Steely, Dale G., assignor.)

Schrage, Henry C., West Point Township, Butler County, assignor of one-half to C. H. Biggert, Allison, Iowa. Swinging table and ironing board. 1,859,719; May 24.

Schrago, Samuel, Los Angeles, Calif. Movable projection screen. 1,864,946; June 28.

Schramm, Adolph W. (See Russell, P., Schramm, and Woodward.)

Schramm, Carl, West Hartford, assignor to The Smyth Manufacturing Company, Hartford, Conn. Feed mechanism for casing-in machines. 1,851,135; Mar. 29.

Schramm, Carl, West Hartford, assignor to The Smyth Manufacturing Company, Hartford, Conn. Machine for shaping the backs of unbound books. 1,864,557; June 28.

Schramm, Fred W., East Orange, N. J., assignor to American Telephone and Telegraphone Company. Monitoring system. 1,885,299; Nov. 1.

Schramm, Frederick C., and M. Dach, Flushing, N. Y. Carburetor. 1,890,196; Dec. 6.

Schramm, Joseph, McKees Rocks, Pa. Antiskid device. 1,874,637; Aug. 30.

Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switchboard indicating lamp. 1,871,748; Aug. 16.

Schrank, Erwin. (See Zodrow, F., and Schrank.)

Schrank, Harry P., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Pneumatic tires. 1,877,988; Sept. 20.

Schrank, Max C., Bridgeton, N. J. Pajamas. 1,869,918; Aug. 2.

Schrantz, Henry A., administrator. (See De Joy, Nick, assignor.)

Schranz, Frederick G., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Steam platen. 1,842,209; Jan. 19.

Schrauf, Karl, and C. Lutter, Wuppertal/Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Lithium salts of 7-iodo-8-hydroxy quinoline-5-sulphonic acids. 1,874,656; Aug. 30.

Schrauf, Karl, and H.-P. Muller, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Double compounds of the acridine series. 1,879,539; Sept. 27.

Schrauf, Karl, and S. Jaeger, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Rectal anesthetic. 1,882,984; Oct. 18.

Schraven, Alexander, Essen, assignor to Fried. Krupp Aktiengesellschaft, Friedrich-Alfred-Hutte, Germany. Indicator jaw gauge. 1,863,673; June 21.

Schreck, Hans L., assignor to Treadwell Engineering Company, Easton, Pa. Universal joint. 1,861,364; May 31.

Schreck, Hans L., assignor to Treadwell Engineering Company, Easton, Pa. Flexible coupling. 1,861,365; May 31.

Schreck, Hans L., assignor to Treadwell Engineering Company, Easton, Pa. Rolling mill. 1,891,579; Dec. 20.

Schreiber, Armin L., Santa Monica, Calif., assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Tile setter. 1,841,641; Jan. 19.

Schreiber, David, Turtle Creek, 1,886,501; Nov. 8.

Schreiber, Harry E. (See Hastings, Edna A., assignors.)

Schreiber, Hermann, Hamburg, assignor to the Firm: C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Obtaining theobromine. 1,851,872; Mar. 29.

Schreiber, John H., St. Louis, Mo. Ice scoring machine. 1,889,222; Nov. 29.

Schreiber, John H., St. Louis, Mo. Ice scoring machine. 1,890,698; Dec. 13.

Schreiber, Louis J., G. P. Chevigny and G. X. Lens, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism. 1,882,981; Oct. 18.

Schriever, Otto, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Photo-electric cell. 1,884,255; Oct. 25.

Schröder, Carl, sr., Viersen, Germany. Covering plaster carrying wire netting. 1,890,023; Dec. 6.

Schroer, Charles. (See Hoffelmann, K., and Schroder.)

Schroder, George T., New York, N. Y. Bottle holder and carrier. 1,865,645; July 5.

Schroder, George T., New York, N. Y. Folding magnifier attachment. 1,886,747; Nov. 8.

Schröder, Hugo. (See Huffelmann, Karl, assignor.)

Schroder, John E., assignor to Hartford-Empire Company, Hartford, Conn. Conveyer. 1,841,339; Jan. 12.

Schroder, Robert E., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 1,888,868; Nov. 22.

Schroder, William, Covington, Ky., assignor to The Sebastian Lathe Company, Cincinnati, Ohio. Machine tool stop mechanism. 1,842,802; Jan. 26.

Schroeder, Arthur C., Syracuse, N. Y., assignor to Consolidated Paper Company, Monroe, Mich. Carton and making same. 1,845,891; Feb. 16.

Schroeder, Bernard A., Wilmette, Ill. U-groove traction elevator. 1,866,911; July 12.

Schroeder, Bernard A., assignor to United Autographic Register Co., Chicago, Ill. Duplicating machine and stationery for use therein. 1,873,489; Aug. 23.

Schroeder, Daniel P., H. J. H. Langenfeld, and Charles Fryer, Chicago, Ill. Toasting device. 1,841,301; Jan. 12.

Schroeder, Frederick A., Rochelle Park, N. J., and H. R. Smith, Douglaston, L. I., N. Y., assignors to Raymond Concrete Pile Company, New York, N. Y. Apparatus for driving hollow cylinders. 1,875,825; Sept. 6.

Schroeder, George W. (See Chartes G., assignor.)

Schroeder, Hans C., LaGrange, Ill., assignor to Goss Printing Press Company. Inking roller. 1,880,361; Oct. 4.

Schroeder, Harold, Chattanooga, Tenn., assignor to Smith, Drum & Company, Philadelphia, Pa. Dyeing machine. 1,844,798; Feb. 9.

Schroeder, Harold, Chattanooga, Tenn., assignor to Smith, Drum & Company, Philadelphia, Pa. Dyeing machine. 1,844,799; Feb. 9.

Schroeder, Henry P., Milwaukee, and C. D. Russell, Sheboygan, assignors to Ruseilte Corporation, Milwaukee, Wis. Alloy. 1,850,419; Mar. 22.

Schroeder, Herman D., and F. H. Koch, Los Angeles, Calif. Door latch or lock. 1,858,525; May 17.

Schroeder, Louis H., Woodhaven, and J. Wagner, assignors to Progressive Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Machine for making double-faced corrugated paper board. 1,858,375; May 17.

Schroeder, Nettie N., Los Angeles, Calif. Face massaging instrument. 1,882,370; Oct. 11.

Schroeder, Oscar C., Chicago, Ill. Fluid-pressure-controlled controlling mechanism. 1,854,286; Oct. 25.
Schroeder, Paul E., Fort Wayne, Ind. Covering for graves. 1,852,986; Oct. 18.
Schroeder, Richard, Berlin, Germany, assignor to General Electric Company. Picker for looms. 1,852,824; Apr. 5.
Schroeder, Simon E., Bloomington, Ill. Washing machine. 1,841,682; Jan. 19.
Schroeder, Simon E., Minier, Ill. Washing machine. 1,852,985; Apr. 5.
Schroeder, Walter, Davenport, Iowa. Fish line bobber. 1,866,864; July 12.
Schroder, Wilhelm, Lubeck, Germany. Refrigerating process and apparatus for cooling fat emulsions such as margarine and the like. 1,870,531; Aug. 9.
Schroeder, William. (See Shewmon, D. B., and Schroeder.)
Schroeder, William, Erasmus, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,852,758; Apr. 5.
Schroeder, William, Harrison, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling material. 1,852,985; Oct. 18.
Schroeder, Edmund, Brooklyn, N. Y. Ash receiver. 1,879,858; Sept. 27.
Schroeter, Fritz. (See Ludenia, W., and Schroeder.)
Schroeter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Telegraphone. 1,867,179; July 12.
Schroll, Ross, North Manchester, Ind. Measuring meter. 1,877,061; Sept. 13.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oxide cathode. 1,849,504; Mar. 15.
Schröter, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio receiving system. 1,850,569; Mar. 22.
Schröter, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiving wave of an order of one meter and one decimeter. 1,866,271; July 5.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Wireless communication. 1,875,165; Aug. 30.
Schröter, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Picture transmission. 1,875,940; Sept. 6.
Schröter, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Signal recording. 1,882,043; Oct. 11.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Apparatus for receiving television pictures. 1,884,287; Oct. 25.
Schröter, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Facsimile transmission. 1,884,288; Oct. 25.
Schröter, Fritz, and W. Federmann, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. Berlin, Germany. Intensity control. 1,865,646; July 5.
Schroth, Adolf. (See Bausch, V., and Schroth.)
Schubach, Edward G., assignor to Chrysler Corporation, Detroit, Mich. Indicia stamping device. 1,840,680; Jan. 12.
Schubert, George A., Chicago, Ill. Mixing colors. 1,890,004; Dec. 6.
Schubert, Rudolf, Easton, Pa. Window sash lock. 1,889,223; Nov. 29.
Schubardt, Walter. (See Schlecht, L., Keunecke, and Schubardt.)
Schubardt, Walter. (See Schlecht, L., Schubardt, and Duftschmid.)
Schubardt, Walter, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Metal powder. 1,857,879; May 10.
Schubardt, Walter, Mannheim, and L. Schlecht, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Making metal articles. 1,882,987; Oct. 18.
Schubert, Adolf, Millburn, assignor to Barrett & Company, Newark, N. J. Transfer printing for fibrous articles. 1,843,737; Feb. 2.
Schubert, Adolf, Millburn, assignor to Barrett & Company, Newark, N. J. Decorating leather. 1,843,738; Feb. 2.
Schubert, Adolf, Millburn, assignor to Barrett & Company, Newark, N. J. Marking leathers. 1,843,739; Feb. 2.
Schubert, Adolf, Millburn, assignor to Barrett & Company, Newark, N. J. Transfer printing process. 1,843,740; Feb. 2.
Schubert, Adolf, Millburn, assignor to Barrett & Company, Newark, N. J. Transfer printing process for leather. 1,843,741; Feb. 2.
Schubert, Balrasar. (See Nebel, K. W., and Schubert.)
Schubert, Elmer G. (See Johnson, F., and Schubert.)
Schubert, Franz H., Fort Worth, Tex. Cushioning securing attachment. 1,875,766; Sept. 6.
Schubert, Fred V., Boston, Mass. Form for concrete columns. 1,871,919; Aug. 16.
Schubert, Friedrich. (See Noack, E., and Schubert.)
Schubert, Herman A. (See Schubert, William A., assignor.)
Schubert, Max. (See Herz, R., and Schubert.)
Schubert, Max. (See Herz, R., Schubert, and Stunner.)
Schubert, Max. (See Herz, R., Schubert, and Zerweck.)
Schubert, Paul, Berlin, Germany, assignor to General Electric Company. Signaling device. 1,847,905; Mar. 1.
Schubert & Salzer Maschinenfabrik, Aktiengesellscaft. See Heinitz, Wolderman, assignor.
Schubert, William A., assignor of one-half to H. A. Schubert, Troy, N. Y. Alloy. 1,845,103; Feb. 16.
Schuhing, Fred L., Baraboo, Wis. Powder for preventing battery post corrosion. 1,877,062; Sept. 13.
Schuchardt, William, and J. L. Herold, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Nozzle. 1,850,570; Mar. 22.
Schuckman, Edwin W., Wichita, Kans. Garage door operating and locking means. 1,888,017; Nov. 15.
Schuckmann, Charles, St. Louis, Mo., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for packing sugar. 1,851,451; Mar. 29.
Schuchmann, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Machine regulating means. 1,839,416; Jan. 5.
Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,859,637; May 24.
Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,879,965; Sept. 27.
Schuder, Horace H. (See Botcheider, G. E., and Schuder.)
Schuele, Rudolf. (See Kalischer, G., Schuele, and Schindhelm.)
Schueler, Frederick C., assignor to Hudson-Sharp Machine Company, Green Bay, Wis. Labeling machine for toilet rolls and the like. 1,847,904; Mar. 1.
Schueler, Julian L., Kokomo, Ind. Apparatus for wiping molten metallic coatings. 1,841,216; Jan. 12.
Schueler, Julian L., assignor to Continental Steel Corporation, Kokomo, Ind. Alloy steel. 1,874,814; Aug. 30.
Schueller, Casper E., Berkeley, assignor to E. A. Majors, Piedmont, Calif. Hook, turn, and climb indicator for aircraft. 1,856,436; May 3.
Schüenemann, Heinrich, Hamburg, assignor to Neuerrburg'sche Verwaltungsgesellschaft m. b. H., Gereonshaus, Cologne, Germany. Measuring quantities of loose material, more particularly cut tobacco, for continuously fed machines. 1,851,215; Mar. 29.
Schuerman, Martin, Maywood, Calif. Core drill. 1,870,592; Aug. 9.
Schuette, Hermann, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of synthetic tanning agents. 1,851,021; Mar. 29.
Schuetz, John, assignor to Invincible Metal Furniture Company, Manitowoc, Wis. Cabinet. 1,847,986; Mar. 1.
Schuetz, Frank A., Chicago, Ill., assignor to The Adlake Company. Signal lantern. 1,848,805; Mar. 8.
Schuetz, Harry W. (See Anderson, D. P., jr., and Miller, assignors.)
Schuetz, Henry, Las Plumas, Calif. Safety-razor. 1,848,800; Feb. 9.
Schuetz, Hermine. (See Schuetz, Robert C., assignor.)
Schuetz, Robert C., Detroit, assignor to Hermine Schuetz, Dexter, Mich. Steering gear. 1,891,205; Dec. 13.
Schuetz, Thomas J., assignor to Braden Steel & Winch Company, Tulsa, Okla. Friction brake. 1,870,532; Aug. 9.
Schuftan, Paul, Hollriegelskreuth, near Munich, assignor to Gesellschaft für Linde's Eismachinen A. G., Munich, Germany. Process for the preparation of hydrogen from gas mixtures containing hydrocarbons. 1,870,144; Aug. 2.
Schuhmann, Hans, Berlin-Charlottenburg, and E. Streuber, Berlin-Tegel, Germany, assignors to General Electric Company. Artificial silk. 1,884,289; Oct. 25.
Schuhnecht, Henry C. (See Peter, E. P., Schuhnecht, and Schnorr.)
Schul, Irving, New York, N. Y. Truss. 1,855,002; Apr. 19.
Schuldt, Sophie J., Jersey City, N. J. Game table. 1,870,420; Aug. 22.
Schüle, Wilhelm, Gorlitz, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Process and apparatus for operating turbines. 1,888,698; Nov. 22.
Schulein, Joseph, Rockford, Ill. Colored coating and producing the same. 1,853,323; Apr. 12.
Schulemann, Werner, Vohwinkel, and F. Schönhöfer, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Cinchona alkaloid preparation. 1,854,562; Apr. 19.
Schulemann, Werner, Elberfeld-Vohwinkel, F. Schönhöfer, Elberfeld, Germany, and A. Wingler, Westfield, N. J., assignors to Winthrop Chemical Company, Inc., New York, N. Y. Soluble salts of organic bases and the process of preparing the same. 1,872,820; Aug. 23.
Schulemann, Werner, Vohwinkel, near Elberfeld, F. Mietzsch, Elberfeld, Germany, and A. Wingler, Westfield, N. J., assignors to Winthrop Chemical Company, Inc., New York, N. Y. Compounds of the diazine series. 1,879,540; Sept. 27.
Schulemann, Werner, Vohwinkel, near Elberfeld, F. Mietzsch, Elberfeld, Germany, and A. Wingler, Westfield, N. J., assignors to Winthrop Chemical Company, Inc., New York, N. Y. Compounds of the oxazine series. 1,879,541; Sept. 27.

Schulemann, Werner, Vohwinkel, near Elberfeld, F. Mietzsch, Elberfeld, Germany, and A. Wingler, Westfield, N. J., assignors to Winthrop Chemical Company, Inc., New York, N. Y. Compounds of the acridine series and making them. 1,889,704; Nov. 29.

Schuler, Calista O'N., Saugatuck, Conn. Cloth doll. 1,875,355; Sept. 6.

Schuler, Clemens, Schwenningen-on-the-Neckar, Germany. Saving clock. 1,840,209; Jan. 5.

Schuler, Gustave. (See Scott, A. L., and Schuler.)

Schuler, Hermann. (See Romberg, H., and Schuler.)

Schuler, Hermann, Dusseldorf, assignor to Rheinische Mettallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Electrical time switch. 1,856,789; May 3.

Schuler, L., A. G. (See Kühner, Otto, assignor.)

Schuler, Max, Gottingen, Germany. Pendulum for measuring time. 1,868,768; July 26.

Schulhof, Leo. (See Bernhauer, K., and Schulhof.)

Schulke, John, Glidden, Wis. Trap. 1,850,182; Mar. 22.

Schull, Ben H. (See Schull, Thomas, assignor.)

Schull, Thomas, assignor to B. H. Schull, Clinton, Ind. Hitch drill. 1,886,981; Nov. 8.

Schulman, Charles H., and M. Cohen, Brooklyn, N. Y.; said Cohen assignor to said Schulman. Safety device for vehicles. 1,852,860; Apr. 5.

Schulman, Joseph, Brooklyn, N. Y. Combined collapsible luggage carrier and bumper. 1,886,911; Nov. 8.

Schulse, H. E., Inc. (See Schulse, Herman E., assignor.)

Schulse, Herman E., assignor to Unidox Corporation, Wilmington, Del. Globe fixture. Des. 86,937; May 10.

Schulse, Herman E., Bayonne, N. J., assignor to H. E. Schulse, Inc. Shoe shining last. 1,859,536; May 24.

Schultz, Fritz. (See Herz, R., Steiger, and Schulte.)

Schulte, John C., Norway, Iowa. Farm gate. 1,879,542; Sept. 27.

Schulte, Robert W., assignor of 40 per cent to W. F. Caldwell, Detroit, Mich. Solder carrying fitting. 1,840,414; Jan. 12.

Schulte, Walter B., and J. S. Zook, assignors to Burgess Battery Company, Madison, Wis. Battery. 1,858,626; May 10.

Schultes, Paul, Leichlingen, Germany. Spring controlled roller for roller blinds. 1,853,150; Apr. 12.

Schultes, Paul, Leichlingen, Germany. Spring seat with laths covering. 1,856,308; Nov. 1.

Schultis, Frank C., and M. Hofer, assignors of one-third to Charles Newman, Brooklyn, N. Y. Picture frame. 1,884,290; Oct. 25.

Schultheis, Henry E. (See Uhden, C. F., Schultheis, and Barringer.)

Schultheiss, Hans, Baltimore, Md. Applicator. 1,860,790; May 31.

Schultheiss, William F., Los Angeles, Calif. Flushing valve. 1,853,463; Apr. 12.

Schulte and Koerting Company. (See von Brockdorf, Rudolf, assignor.)

Schultz, Alfred W., Waterloo, Iowa., assignor to Zeidler Concrete Products Machinery Company, St. Joseph, Mo. Machine for constructing concrete pipe. 1,862,709; June 14.

Schultz, Alfred W., Waterloo, Iowa, assignor to Zeidler Concrete Products Machinery Company, St. Joseph, Mo. Machine for constructing concrete pipe. 1,891,731; Dec. 20.

Schultz, Augustus, Albany, N. Y. Winding and twisting machine. 1,855,491; Apr. 26.

Schultz, Edward, Chicago, Ill. Tobacco ash receptacle. Des. 87,798; Sept. 20.

Schultz, Frank, Cliffside Park, assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 1,865,394; June 28.

Schultz, Harry. (See Sayles, B. J., and Schultz.)

Schultz, Howard W., Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Scale structure. 1,877,664; Sept. 13.

Schultz, John L. (See Higgins, J., and Schultz.)

Schultz, Margaret, Highland Park, assignor to S. S. Kresge Company, Detroit, Mich. Doll. Des. 86,481; Mar. 8.

Schultz, Paul I. (See Pelouch, J. J., and Schultz.)

Schultz, Paul I., assignor to The United States Air Compressor Company, Cleveland, Ohio. Vehicle lift. 1,856,060; May 3.

Schultze, Benno E. (See Tauscher, A. E., and Schultze.)

Schultze, Guido. (See Möhring, A., Schultze, and Schlack.)

Schulz, Adolph, Milwaukee, Wis. Safety booth. 1,840,980; Jan. 12.

Schulz, Adolphe, Verviers, Belgium. Tobacco pipe. 1,839,505; Jan. 5.

Schulz, Arthur F. (See Teller, J., and Schulz.)

Schulz, Ernest R., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft riggings. 1,850,694; Mar. 22.

Schulz, Ernest R., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,871,427; Aug. 9.

Schulz, Ernst H., Dortmund, and K. Löbbecke, Rheinbausen, assignors to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Producing hard alloys. 1,877,063; Sept. 13.

Schulz, Hans I. (See Weingand, R., and Schulz, assignors.)

Schulz, Otto C., Chicago, Ill. Apparatus for folding sheet material. 1,870,754; Aug. 9.

Schulz, Paul A., and H. K. Maxwell, Bethlehem, Pa., assignors to Bethlehem Steel Company. Rolling channel sections. 1,856,269; May 3.

Schulz, Walter, Sydowsaue, near Stettin, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Improving air conditions in workrooms in which artificial products of viscose are manufactured. 1,851,873; Mar. 29.

Schulz, Walter A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Film gate. 1,872,353; Aug. 16.

Schulz, Walter F. (See White, H. E., and Schulz.)

Schulze, John F. W., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Purifying and concentrating acetic acid. 1,863,698; June 21.

Schulze, Rudolf, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separating potassium phosphate from potassium aluminate in solutions. 1,873,490; Aug. 23.

Schulze, William H., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel pumping device. 1,882,988; Oct. 18.

Schuizke, Richard F., Portland, Oreg. Iron holder. 1,857,768; July 19.

Schumacher, Conrad. (See Gaisman, H. J., and Schumacher.)

Schumacher, Diedrich F., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Hand punch. 1,839,415; Jan. 5.

Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,879,825; Sept. 27.

Schumacher, Erwin A. (See Heise, G. W., and Schumacher.)

Schumacher, Franz A., Evanston, assignor, by mesne assignments, to trustees of the Security Grinding Wheel Co., Chicago, Ill. Polishing and grinding material and making same. 1,860,724; May 31.

Schumacher, Hans, Berlin-Lichterfelde-West, assignor to C. Lorenz, Aktiengesellschaft, Berlin, Germany. Thermostatically controlled piezo-crystal. 1,882,989; Oct. 18.

Schumacher, Wilhelm. (See Wagner, H., Sohst, Selb and Schumacher.)

Schumann China Corporation. (See Pschorr, Karl, assignor.)

Schumann, Curt, E. Muench, and B. Christ, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of indole and derivatives thereof. 1,891,057; Dec. 13.

Schumb, Martin T., Milton, and E. E. Tougas, Wollaston, assignors to Boston Gear Works, Inc., Norfolk Downs, Mass. Variable speed motor. 1,873,491; Aug. 23.

Schumer, Anton, Cleveland, Ohio. Cigarette container and dispenser. 1,856,790; May 3.

Schumm, Louis, 3d, assignor to Superior Wood Products Corporation, La Porte, Ind. Store counter. 1,888,742; Nov. 22.

Schunck, Walter. (See Krauch, C., Hochschwender, and Schunck.)

Schuntler, Frederic E. (See Denning, Paul S., assignor.)

Schupp, Alfred B., Richmond Hill, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Making spark plugs. 1,843,045; Jan. 26.

Schuppe Walther, Berlin, Germany. Production of monopotassium phosphate. 1,865,068; July 5.

Schur, Milton O. (See Meglitz, W. B., and Schur.)

Schur, Milton O. (See Richter, G. A., Schur, and Rasch.)

Schur, Milton, O., assignor to Brown Company, Berlin, N. H. Fiber product and making same. 1,847,269; Mar. 1.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of waterproof tubing from cellulose pulp. 1,854,230; Apr. 19.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Differential pressure gauge for corrosive fluids. 1,855,205; Apr. 26.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of impregnated articles. 1,864,674; June 28.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Computation rule. 1,870,655; Aug. 9.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Impregnating fibrous articles and material therefor. 1,880,050; Sept. 27.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Treating paper articles with viscose. 1,880,286; Oct. 4.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Self-adjusting valve. 1,882,990; Oct. 18.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Method of and apparatus for delivering pulp stock at constant tonnage rate. 1,882,991; Oct. 18.

Schur, Milton O., and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Cellulose fiber. 1,847,311; Mar. 1.

Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Pretreatment of cellulose prior to nitration. 1,848,553; Mar. 8.

Schur, Milton O., and W. B. Meglitz, assignors to Brown Company, Berlin, N. H. Manufacture of pulp rovings. 1,867,599; July 19.

Schur, Milton O., R. H. Rasch, and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Conditioning cellulose fiber and the product thereof. 1,880,051; Sept. 27.

Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Shredded cellulose pulp adapted for nitration and making it. 1,880,052; Sept. 27.

Schur, Milton O., and J. G. Gosselink, assignors to Brown Company, Berlin, N. H. Manufacture of bends from straight fiber tubes. 1,880,053; Sept. 27.

Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Nitrocellulose manufacture and cellulose therefor. 1,880,054; Sept. 27.

Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Preparation of nitrocellulose. 1,880,055; Sept. 27.

Schürer, Eugen, assignor to Felten & Guilleaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany. Ingot mold. 1,884,291; Oct. 25.

Schuricht, Alfons G. (See O'Neil, A. S., and Schuricht.)

Schuricht, Alfons G. (See Olin, J. M., and Schuricht.)

Schuricht, Alfons G., and G. T. Wright, Alton, assignors to Western Cartridge Company, East Alton, Ill. Making shot. 1,865,727; July 5.

Schurle, Otto H., Okanogan, Wash. Automatic electric control for pumps. 1,842,295; Jan. 19.

Schürmann, Friedrich, assignor to Firm Aug. Klonne, Dortmund, Germany. Sealing means for fluid storing containers. 1,865,969; July 5.

Schürmann, Julius, Ilbenstadtdorf, Germany, assignor to Fabrik Elektrischer Zunder G. m. b. H., Cologne-Niehl. Electric fuse. 1,868,224; July 19.

Schürmeyer, Herbert, assignor to W., assignor to the Firm Minimax Act.-Ges., Berlin, Germany. Precipitation of dust. 1,850,143; Mar. 22.

Schurr, Charles H., assignor to The Less-Bradner Company, Cleveland, Ohio. Gear grinding machine. Re18,532; July 19.

Schurr, Charles H., assignor to The Less-Bradner Company, Cleveland, Ohio. Gear lapping machine. 1,884,292; Oct. 25.

Schurr, Charles H., assignor to The Less-Bradner Company, Cleveland, Ohio. Grinding apparatus. 1,884,293; Oct. 25.

Schurtz, Ralph E., assignor, by mesne assignments, of one-half to R. S. Bailey and C. T. Jobes, Kansas City, Mo. Automatic weak liquor control. 1,890,531; Dec. 13.

Schurtz, Ralph E., assignor, by mesne assignments, of one-half to R. S. Bailey and C. T. Jobes, Kansas City, Mo. Refrigerating system. 1,891,028; Dec. 13.

Schussler, Walter H., Philadelphia, Pa., assignor to International Cigar Machinery Company. Reroller for cigar machines. 1,892,255; Dec. 27.

Schüssler, Heribert, ; (See Ott, K., and Schüssler.)

Schussler, Walter H., Philadelphia, Pa., assignor to International Cigar Machinery Company. Cigar wrapping machine. 1,876,027; Sept. 6.

Schustek, Andrew, Chicago, Ill., and C. Le R. Treleaven, Jackson Heights, assignors to Color-film Corporation, New York, N. Y. Color photography. 1,845,062; Feb. 16.

Schuster, Arthur M., Midwest, Wyo. Cleaner for sucker rods and the like. 1,840,334; Jan. 12.

Schuster, Curt. (See Gunther, F., Schuster, and Hetzer.)

Schuster, Martin B. (See Darbishon, Homer T., assignor.)

Schuster, Paul B., assignor to The Magnetic Gauge Company, Akron, Ohio. Method of and apparatus for indicating temperatures of moving bodies. 1,889,385; Nov. 29.

Schutt, Duny A., New Kensington, Pa. Die mechanism for forming tubular bodies. 1,888,837; Nov. 22.

Schutt, Harvey J., Ramsey, N. J. Combination tool. 1,840,135; Jan. 5.

Schutte, August E., Northboro, Mass. Process and machine for roadmaking. 1,848,495; Mar. 8.

Schutte, August E., Northboro, Mass. Roadway construction. 1,848,496; Mar. 8.

Schutte, Harry S., Pittsburgh, Pa. Treating ferrous sheets and plates. 1,867,108; July 12.

Schutte and Koerting Company. (See Gerber, Walter H. J., assignor.)

Schutte & Koerting Company. (See Boehm, Frederik, assignor.)

Schutte & Koerting Company. (See Hellmer, Ralph E., assignor.)

Schutte & Koerting Company. (See Knauf, Paul W., assignor.)

Schutte and Koerting Company. (See Teller, Martin P., assignor.)

Schutte, Wilhelm O. P., Brooklyn, N. Y. Engraving metallic surfaces for printing. 1,878,895; Sept. 20.

Schutz, Fritz. (See Jaeck, O., and Schütz.)

Schutz, Harold R., assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting device. 1,839,882; Jan. 5.

Schutz, Harold R., and H. E. Robinson, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting device. 1,872,508; Aug. 16.

Schutz, Joseph M., assignor to The Radiant Combustion Engineering Co., Nashville, Tenn. Apparatus for burning fuel. 1,862,910; June 14.

Schuyler, Robert J., Duncan, Okla. Traveling valve. 1,844,985; Feb. 16.

Schuylkill Hosiery Mills. (See Robinson, Frank W., assignor.)

Schuylkill Valley Mills, Inc. (See Schindler, Robert B., assignor.)

Schwartz, Oscar D. (See Rosander, A. E., and Schwartz.)

Schwab, Edward S. (See Loehr, A., jr., and Schwab.)

Schwab, Gustav, Townley-Elizabeth, N. J., assignor of one-third to Albert C. Nolte, New York, N. Y. Heat treating apparatus. 1,890,431; Dec. 6.

Schwab, Gustav W., Townley, Elizabeth, assignor to American Gas Furnace Co., Elizabeth, N. J. Heat reclaiming apparatus. 1,844,604; Feb. 9.

Schwab, Henry, et al. (See Valendor, Max L., assignor.)

Schwab, Isaac M., Savannah, Ga. Temple connection. 1,843,496; Feb. 2.

Schwab, Isaac M., Savannah, Ga. Eyeglasses. 1,873,338; Aug. 23.

Schwab, James W., Gulf, and C. E. Butterworth, New Gulf, Tex., assignors, by mesne assignments, to The Koppers Company. Treatment of waste waters. 1,851,987; Apr. 5.

Schwab, Peter W., Peoria, Ill. Drill hitch mechanism. 1,866,912; July 12.

Schwab Safe Company, The. (See Pyle, Paul E., assignor.)

Schwab, Robert W., assignor to Southern Spring Bed Company, Atlanta, Ga. Sign holder. 1,887,894; Nov. 15.

Schwabe, Rolf, Batavia, N. Y. Sketching camera. 1,871,807; Aug. 16.

Schwabe, Walter, Zurich, Switzerland. Printing device. 1,855,597; Nov. 8.

Schwabek, George G., assignor to The Neverfale Parachute Corporation, Baltimore, Md. Parachute. 1,855,320; Apr. 26.

Schwager, August C., San Francisco, Calif. Transformer system and apparatus. 1,863,936; June 21.

Schwager, Sebastian, Chicago, Ill. System of and raising submerged vessels. 1,863,732; June 21.

Schwalbe, Franz G., et al. (See Bulask, Francis J., assignor.)

Schwalbe, Franz G., Toledo, Ohio. Recuperator construction. 1,877,599; Sept. 13.

Schwalbe, Franz G., Toledo, Ohio. Method of heating glass and apparatus therefor. 1,882,992; Oct. 18.

Schwalbe, Lester E., Wauwatosa, Wis. Building block. 1,857,170; Nov. 8.

Schwaller, Emil, assignor to Fsl A.-G., Bern, Switzerland. Closure for rigid or non-collapsible metal containers. 1,879,914; Sept. 27.

Schwaim, Bruce F., Pittsburgh, Pa., assignor, by mesne assignments, to The Neville Company. Compounding rubber. 1,869,172; July 26.

Schwalz, Adolf, Farm Colony, Staten Island, N. Y. Cementitious composition and making same. 1,867,180; July 12.

Schwan, George W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer belt. 1,855,808; Apr. 26.

Schwanbeck, Frank E., and F. P. Sumner, Des Plaines, Ill. Bait. 1,845,890; Feb. 16.

Schwänhausser, Waldemar, Nurenberg, Germany. Manicure device. 1,856,874; May 3.

Schwantes, Julius A., Wauwatosa, Wis., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill. Soap manufacture. 1,878,547; Sept. 20.

Schwantes, Julius A., Wauwatosa, Wis., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill. Apparatus for treating soap. 1,880,500; Oct. 4.

Schwantes, William C., Manitowoc, Wis. Kitchen cabinet. 1,873,492; Aug. 23.

Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 86,190; Feb. 9.

Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 86,276; Feb. 16.

Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 86,277; Feb. 16.

Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 86,278; Feb. 16.

Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 86,893; May 3.

Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 86,894; May 3.

Schwartz, Bennie, Brooklyn, N. Y. Shade roller. 1,872,188; Aug. 16.

Schwartz, Carl, New York, N. Y., assignor, by mesne assignments, to International Combustion Engineering Corporation. Coke cooling apparatus. 1,849,158; Mar. 15.

Schwartz, Carl, Elkhart Lake, assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin sorting machine. 1,849,218; Mar. 15.

Schwartz, Carl, Elkhart Lake, assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin counting machine. 1,872,020; Aug. 16.

Schwartz, Carl, New York, N. Y. Collar attaching means. 1,886,057; Nov. 1.

Schwartz, Carl, New York, N. Y. Garment. 1,886,056; Nov. 1.

Schwartz, Charles, Lawrence Township, Mercer County, N. J. Teaching marksmanship. 1,875,941; Sept. 6.

Schwartz, Charles M., Philadelphia, Pa., assignor, by mesne assignments, to Diapex Corporation, New York, N. Y. Diaper. Re18,468; May 17.

Schwartz, Charles W., New York, N. Y. Apparatus for tilting movie films. 1,855,555; Nov. 1.
Schwartz, Elizabeth G., executrix. (See Walrath, J. H., and Schwartz.)
Schwartz, Eugene, Philadelphia, Pa., assignor to Ketterlinus Lithographic Mfg. Co. Display device. 1,859,806; Jan. 5.
Schwartz, Evelyn, New York, N. Y. Card holder. 1,857,717; Sept. 20.
Schwartz, Frank G., South Milwaukee, and R. A. Nourse, Milwaukee, assignors to The Midland Company, South Milwaukee, Wis. Door hanger lock and release. 1,851,296; Mar. 29.
Schwartz, George L. (See McCormick, F. H., and Schwartz.)
Schwartz, Henry, assignor to Barrel Fitting and Seal Corporation of America, Chicago, Ill. Bushing structure. 1,861,756; June 7.
Schwartz, Herman B. (See Axelson, A. E., and Schwartz.)
Schwartz, Jacob C., deceased, University City; Mercantile-Commerce Bank and Trust Company, trustee, assignor to Berg Dental Laboratory Co., St. Louis, Mo., Dental apparatus. 1,857,289; May 10.
Schwartz, Karl. (See Walrath, J. H., and Schwartz.)
Schwartz, Louis, assignor to Minnie Schwartz, Brooklyn, N. Y. Radiator valve. 1,869,282; July 26.
Schwartz, Louis R., Lodgepole, Nebr. Snapper roller pad. 1,859,800; May 24.
Schwartz, Meyer, Springfield, Mass. Seat cover. 1,861,455; June 7.
Schwartz, Minnie. (See Schwartz, Louis, assignor.)
Schwartz, Morris A., Los Angeles, Calif. Electric steam pressing iron. 1,851,777; Mar. 29.
Schwartz, Morris. Chicago, Ill. Electric current conducting bond. 1,858,284; May 17.
Schwartz, Nathan, New York, N. Y. Blade sharpener. 1,857,066; May 3.
Schwartz, Otto, Detroit, Mich. Radiator cover. 1,850,605; Mar. 22.
Schwartz, Rudolph L., and W. P. Martin, assignors to Martin & Schwartz, Inc., Buffalo, N. Y. Price sign. 1,877,230; Sept. 13.
Schwartz, Samuel A., St. Paul, Minn. Towel cabinet. Des. 86,748; Apr. 12.
Schwartz, Samuel A., St. Paul, Minn. Towel service apparatus. 1,859,937; May 24.
Schwartz, Samuel A., St. Paul, Minn. Towel service apparatus. 1,860,265; May 24.
Schwartz, Samuel A., St. Paul, Minn. Towel cabinet. 1,860,207; May 24.
Schwartz, Samuel A., St. Paul, Minn. Cabinet for towels. 1,860,208; May 24.
Schwartz, William, New York, N. Y. Store front. Des. 86,518; May 10.
Schwartz, William, New York, N. Y. Store front. Des. 86,939; May 10.
Schwartzman, Harry, Jersey City, N. J. Attaching device. 1,867,390; July 12.
Schwartzmann, Harry, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil and manufacturing it. 1,859,421; Nov. 29.
Schwarz, Alfred, Upper Montclair, N. J., assignor to Wing Aeronautical Corporation, New York, N. Y. Landing gear for aircraft. 1,853,232; Apr. 12.
Schwarz, Alfred, Upper Montclair, N. J., assignor to Wing Aeronautical Corporation, New York, N. Y. Stabilizing device for airships. 1,853,233; Apr. 12.
Schwarz, Alfred, Upper Montclair, N. J., assignor, by mesne assignments, to Holly Motors Corporation, New York, N. Y. Internal combustion engine. 1,892,635; Dec. 27.
Schwarz, Arnold, Prague, Czechoslovakia. Celluloid-cover for a mouth-harmonica. Des. 85,995; Jan. 12.
Schwarz, August, Chicago, Ill. Propelling and steering mechanism. 1,842,125; Jan. 19.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,596; Aug. 16.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,597; Aug. 16.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,600; Aug. 16.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,684; Aug. 30.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,685; Aug. 30.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,686; Aug. 30.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,799; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,800; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,801; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,802; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,803; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,804; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,805; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,806; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,807; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,808; Sept. 20.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 87,891; Oct. 4.
Schwarz Foundry Co. (See Schwarz, Frank L., jr., assignor.)
Schwarz, Frank L., jr., assignor to Schwarz Foundry Co., Detroit, Mich. Shade roller adjusting device. 1,851,332; Mar. 29.
Schwarz, Gustav, G. m. b. H. (See Sokohl, Heinrich, assignor.)
Schwarz, Henry G., Denver, Colo. Cooking fish. 1,842,693; Jan. 26.
Schwarz, Joseph A., Los Angeles, Calif. Lawn edger and grover. 1,856,470; May 3.
Schwarz, Julius, sr., Grand Rapids, Mich. Accordion. 1,852,066; Apr. 5.
Schwarz, Michael, and F. J. Goetz, assignors to Crunden-Martin Manufacturing Company, St. Louis, Mo. Receptacle. 1,888,699; Nov. 22.
Schwarz, Philipp, Wuppertal, Germany. Necktie stretcher. 1,858,309; May 17.
Schwarz, Walter C. D. (See Greve, C. H., and Schwarz.)
Schwarz Electric Company. (See Middleton, Leslie H., assignor.)
Schwarze, Max, Milwaukee, Wis. Plug calipering device. 1,852,993; Oct. 4.
Schwarzkopf, Arthur R. (See Kochs, R. E., and Schwarzkopf.)
Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Adjustable headrest. 1,860,058; May 24.
Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Barber's chair. 1,867,600; July 19.
Schwarzkopf, Markus M., St. Louis, Mo. Torch. 1,858,526; May 17.
Schwarzwalder, Dr. Wilhelm, et al. (See Maisel, Robert, assignor.)
Schwarzwaldwerke Lanz, G. m. b. H. (See Röhl, Hans, assignor.)
Schwarzman, Wolfgang E., Longmeadow, assignor to American Bosch Magneto Corporation, Springfield, Mass. Magneto interrupter. 1,887,522; Nov. 15.
Schwarzman, Wolfgang E., Longmeadow, assignor to American Bosch Magneto Corporation, Springfield, Mass. Magneto. 1,890,305; Dec. 6.
Schwarzman, Wolfgang E., Longmeadow, assignor to American Bosch Magneto Corporation, Springfield, Mass. Magneto. 1,890,306; Dec. 6.
Schwarzmann, Wolfgang E. (See Beeb, L., and Schwarzmann.)
Schweder, James. (See Jacobson, C. C., and Schweder.)
Schweering, Ernest H. (See Freeman, W. R., and Schweering.)
Schweers, John D., Roselle Park, N. J. Massage device. 1,840,796; Jan. 12.
Schwegler, Clarence C. assignor to The Dow Chemical Company, Midland, Mich. Apparatus for the manufacture of carbon bisulphide. 1,892,191; Dec. 27.
Schweigart, Hans-Adalbert, Koditz, near Saalfeld-Saale, Germany. Making a food substance from cocoa, sugar, and water. 1,887,905; Nov. 15.
Schweikert, Martin H., Tonasket, Wash. Attachment for prop pole. 1,858,627; May 19.
Schweiss, Joseph, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,872,509; Aug. 16.
Schweiss, Joseph, and G. R. Ericson, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,853,287; Apr. 12.
Schweisthal, Fred G., Chicago, Ill. Airplane construction. 1,876,472; Sept. 6.
Schweistbal, Fred G., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel pump. 1,845,937; Feb. 16.
Schweiter, Hans, Horgen, near Zurich, Switzerland. Cross winding frame. 1,856,513; May 3.
Schweiter, Walter, Horgen, near Zurich, Switzerland. Cop winding machine. 1,865,970; July 5.
Schweiter, Walter, Horgen, near Zurich, Switzerland. Cop winding machine. 1,886,598; Nov. 8.

Schweiter, Walter, Horgen, near Zurich, Switzerland. Cop winding machine. 1,888,395; Nov. 22.
Schweiter, Walter, Horgen, near Zurich, Switzerland. Locking device, more particularly for textile machines. 1,844,300; Feb. 9.
Schweitzer, Charles F. (See Chase, G. C., and Schweitzer.)
Schweitzer & Conrad, Inc. (See Conrad, Nicholas J., assignor.)
Schweitzer & Conrad, Inc. (See Ramsey, Allan, assignor.)
Schweitzer & Conrad, Inc. (See Ringwald, Clarence, assignor.)
Schweitzer, Edmund O. (See Herz, Alfred, assignor.)
Schweitzer, Edmund O., Chicago, Ill. Cable construction. 1,846,070; Feb. 23.
Schweitzer, Edmund O., Chicago, Ill. Switch. 1,853,885; Apr. 12.
Schweitzer, Edmund O., Chicago, Ill. Lightning arrester. 1,872,510; Aug. 16.
Schweitzer, Edmund O., Chicago, Ill. Fuse. 1,873,339; Aug. 23.
Schweitzer, Edmund O., Northbrook, Ill. Thermal protective system. 1,877,990; Sept. 20.
Schweitzer, Frank J., assignor to W. D. Shaffer, Brea, Calif. Casing control gate. 1,861,614; June 7.
Schweitzer, Hugo. (See Clingesteln, H., Zerras, and Schweitzer.)
Schweitzer, Hugo. (See Hentrich, W., Burr, and Schweitzer.)
Schweitzer, Hugo, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Fast blue dyeings on the fiber. 1,878,548; Sept. 20.
Schweitzer, Joseph, assignor to H. L. Diehl, Chicago, Ill. Preparing colored animal tissue and product. 1,854,350; Apr. 19.
Schweitzer, Paul, State College, Pa. Table. 1,885,635; Nov. 1.
Schweitzer, Louis P., New York, N. Y. Condenser paper and making the same. 1,864,950; June 28.
Schweizer, Ernest, East Orange, N. J., assignor to Celluloid Corporation. Support for optical micrometers. 1,875,665; Sept. 6.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,556; Nov. 29.
Schweizer, Jack, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,575; Dec. 6.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,576; Dec. 6.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,577; Dec. 6.
Schweizer, Jack, assignor to Moss-Still, Inc., New York, N. Y. Textile fabric. Des. 88,580; Dec. 6.
Schweizer, Jack, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,678; Dec. 13.
Schweizer, Jack, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,679; Dec. 13.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,680; Dec. 13.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,681; Dec. 13.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,682; Dec. 13.
Schweizer, Jack, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,830; Dec. 27.
Schweizer, Jack, Rye, N. Y. Textile fabric or the like. Des. 88,831; Dec. 27.
Schweizer, Jack, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Automatic control device. 1,884,294; Oct. 25.
Schweizerische Industrie-Gesellschaft. (See Schlaepfer, Arnold, assignor.)
Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Walking beam. 1,858,115; May 10.
Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Tank seam. 1,875,666; Sept. 6.
Schwemmer, Joseph. (See Keinath, G., and Schwemmer.)
Schwen, Gustav, Ludwigshafen-on-the-Rhine, and Hans Kreiskills, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Weighting animal hairs. 1,887,958; Nov. 15.
Schwendler, Richard H., Cleveland, Ohio, and C. W. Mehling, Kenilworth, N. Y., assignors to American Radiator Company, New York, N. Y. Head protector. 1,876,521; Sept. 6.
Schwendner, Anthony F., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve operating mechanism. 1,861,092; May 31.
Schwendt, Bernard J. (See Wiegand, F. B., and Schwendt.)
Schwendt, Bernard J., Lakewood, and F. B. Wiegand, Cleveland, Ohio; said Wiegand assignor of one-half of his right to O. S. Flath, Chicago, Ill. Concrete housing for electrical equipment. 1,847,272; Mar. 1.
Schwenger, Irving P. (See Gruber, Louis, assignor.)
Schwenk, Erwin. (See Schoeller, W., Schwenk, and Jordan.)
Schwenk, Erwin, Berlin-Neu-Westend, and H. Jordan, Berlin-Steglitz assignors to Schering-Kahlbaum A. G., Berlin, Germany. Production of hydroaromatic-alcohols. 1,857,880; May 10.
Schwenk, Erwin, Berlin-Neu Westend, and H. Jordan, Berlin-Steglitz, assignors to Schering-Kohlbaum A. G., Berlin, Germany. Production of hydroaromatic carboxylic acids. 1,877,991; Sept. 20.
Schwenk, Erwin, Berlin-Westend, Germany, assignor, by mesne assignments to General Aniline Works, Inc., New York, N. Y. Making anthraquinone-sulphonic acids. 1,890,866; Dec. 13.
Schwenkler, Charles F., Schenectady, N. Y., assignor to General Electric Company. Welding. 1,884,295; Oct. 25.
Schwenzfeier, Carl W. (See Kadow, A., and Schwenzfeier.)
Schwenzfeier, Carl W., and J. E. McLaughlin, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,879,712; Sept. 27.
Schwerdtel, Fritz, Cologne-Mulheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Coagulation of latex-like emulsions. 1,879,543; Sept. 27.
Schwerin, Frank H., Bellevue Borough, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Hoisting device. 1,884,296; Oct. 25.
Schwerin, Frank H., and L. Hebbeln, Bellevue, Pa., assignors to The Duff Norton Manufacturing Company, Pittsburgh, Pa. Air-motor jack. 1,868,922; July 26.
Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Ratchet jack. 1,889,386; Nov. 29.
Schwerin, Paul, Rutherford, assignor to Perryman Electric Co. Inc., North Bergen, N. J. Direction finder. 1,850,774; Mar. 22.
Schwerin, Paul, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,882,994; Oct. 18.
Schwerin, Rosalye, Rutherford, N. J. Toothbrush. 1,850,810; Mar. 22.
Schwetlar, Wilhelm, Potsdam, assignor to Askania-Werke A.-G. vorm Centralwerkstatt Dessau und Carl Bamberg Friedenau, Berlin-Friedenau, Germany. Planimeter for computing forces. 1,844,905; Feb. 9.
Schweyer, Daniel H., Easton, Pa. Inductive control device. 1,840,415; Jan. 12.
Schweyer, Daniel H., Easton, Pa. Train control inductor. 1,863,640; June 21.
Schweyer, Daniel H., Easton, Pa. Induction train control apparatus. 1,875,042; Sept. 6.
Schweyer, Daniel H., Easton, Pa. Inductive cab signal system. 1,885,636; Nov. 1.
Schweyer, Daniel H., Easton, Pa. Automatic train control. 1,890,419; Dec. 6.
Schwieger, Albert, assignor to Hansentische Muhlenwerke Aktiengesellschaft, Hamburg, Germany. Treatment of vegetable lecithin. 1,858,688; Dec. 27.
Schwien, Fritz, Berlin, Germany. Electric switch. 1,862,242; June 7.
Schwieterman, August G., Dayton, Ohio. Washing machine. 1,861,244; May 31.
Schwindt, Christian J. (See Daniels, L. C., and Schwindt.)
Schwindt, Christian J. (See Daniels, L. C., Schwindt, and Jaeger.)
Schwindt, Christian J. (See Luft, O. v. d., and Schwindt.)
Schwinn, Frederick S., Houston, Tex. Universal anchor plate. 1,845,990; Feb. 16.
Schwitzer-Cummins Company. (See Winkler, Carl J., assignor.)
Schwob Freres & Cie, S. A. (See Well, Jean, assignor.)
Sciaky, David, Paris, France. Electric welding machine. 1,886,148; Nov. 1.
Sciarrino, Peter J., Niagara Falls, N. Y. Clear vision device. 1,878,718; Sept. 20.
Scientific Tablet Company. (See Suppiger, Gerhart S., assignor.)
Scientific Tablet Company. (See Suppiger, G. S., and Alexander, assignors.)
Scintilla Aktiengesellschaft. (See Steiner, Gottlieb, assignor.)
Scintilla Magneto Company. (See Spengler, Walter J., assignor.)
Scisinger, Harry A., assignor of one-half to A. Peters, Toledo, Ohio. Wrench. 1,885,954; Nov. 1.
Sciuto, Salvatore, Lawrence, Mass. Combined flask and drinking glass holder. Des. 86,749; Apr. 12.
Sclater, Kenneth C., and E. O. Bennett, Ponca City, Okla. Hydraulic drilling method and automatic control therefor. 1,884,297; Oct. 25.
Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Screw cap. 1,842,429; Jan. 26.
Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap. 1,882,995; Oct. 18.
Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Friction closure cap. 1,882,996; Oct. 18.

Scofield, Gilbert J., Company. (See McLaren, Gerald J., assignor.)
Scofield, Gilbert J., Albany, N. Y. Cleansing apparatus. 1,888,575; Nov. 22.
Scofield, Giles T., Rochester, N. Y. Ironing machine. 1,870,297; Aug. 9.
Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Condenser assembly. 1,872,511; Aug. 16.
Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Inductance coil. 1,891,481; Dec. 20.
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Electric terminal. 1,845,447; Feb. 16.
Scofield, Theodore J., assignor to The Sparks-Withington Co., Jackson, Mich. Electrolytic condenser and holder therefor. 1,871,012; Aug. 9.
Scofield, Theodore J., and W. D. Miner, Jackson, Mich., assignors to Sparks-Withington Company. Control apparatus for gang condensers. 1,871,011; Aug. 9.
Scofield, Theodore J., and W. Miner, assignors to The Sparks-Withington Company, Jackson, Mich. Radio receiving apparatus. 1,878,190; Sept. 20.
Scofield, Thomas R. (See Oberle, Alfred, assignor.)
Scognamillo, Rosa B., New York, N. Y. Corset. Des. 86,415; Mar. 1.
Scognamillo, Salvatore and P. Arndt, assignors of one-third to David Shlaifer, New York, N. Y. Electron discharge device. 1,879,544; Sept. 27.
Scolding Locks Corporation. (See Weissenborn, Albert B., assignor.)
Scollard, Robert L., and T. D. Ketchbaw, assignors, by mesne assignments, to Rex Corporation, Chicago, Ill. Cast iron welding electrode and composition for coating same. 1,873,340; Aug. 23.
Scorzoni, Guiseppe. (See Bronty, G. R., and Scorzoni.)
Scott, Alva W., assignor to The Inland Manufacturing Company, Dayton, Ohio. Freezing tray. 1,873,218; Aug. 23.
Scott, Archie L., and G. Schuler, assignors to Swift and Company, Chicago, Ill. Device for ink branding. 1,855,927; Apr. 26.
Scott, Austin A., Rockville Center, assignor to Nestle's Food Company, Inc., New York, N. Y. Malted milk process. 1,851,988; Apr. 5.
Scott, Benjamin H., Pendale, and S. E. Ross, Long Beach, assignors to Scott-Ross and Company, Los Angeles, Calif. Deep well fluid-motor pump. 1,857,405; May 10.
Scott, Charlie H., Glendale, assignor to Bates Pump Company, Los Angeles, Calif. Deep well pump. 1,887,736; Nov. 15.
Scott, Herman D., assignor to The Louden Machinery Company, Fairfield, Iowa. Stall for animals. 1,873,493; Aug. 23.
Scott, Horton W. (See Kath, A. W., and Scott.)
Scott, Carl W. (See Cherdron, Otto P.)
Scott, Charles H., Edgewater, Colo., assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus. 1,888,743; Nov. 22.
Scott, Charles M., Carrollton, Ky. Radio antenna appliance. 1,869,024; July 26.
Scott, Clifford E., St. Paul, assignor to United States Blower and Heater Corporation. Minneapolis, Minn. Air conditioning apparatus. 1,849,202; Mar. 8.
Scott, David C., assignor to L. Scott Company, Providence, R. I. Testing machine. 1,878,191; Sept. 20.
Scott, David C., assignor to H. L. Scott Company, Providence, R. I. Testing machine. 1,878,192; Sept. 20.
Scott, David C., Providence, and F. A. Valentine, Apponaug, assignors to H. L. Scott Company, Providence, R. I. Testing machine. 1,878,193; Sept. 20.
Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Brake testing apparatus. 1,891,652; Dec. 20.
Scott, Don E. (See Nutt, W., Kivett, and Scott.)
Scott, Donald O., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic braking mechanism. 1,886,309; Nov. 1.
Scott, Eric A., Chicago, and G. P. Fleetwood, Joliet, Ill. Fireplace smoke chamber construction. 1,853,254; Apr. 12.
Scott, Eric A., Chicago, and G. P. Fleetwood, Joliet, Ill. Fireplace construction. 1,878,719; Sept. 20.
Scott and Fetzer Company, The. (See Pardee, Lloyd W., assignor.)
Scott, Fitzhugh E., and L. R. Bryant, Richmond, Va., assignors to Liggett & Myers Tobacco Company, New York, N. Y. Method of and machine for packaging cigarettes. 1,870,533; Aug. 9.
Scott, Flave J., Fresno, Calif. Ironing board. 1,845,892; Feb. 16.
Scott, Floyd L., Houston, assignor to Hughes Tool Company, Houston, Tex. Turbine operated valve. 1,839,417; Jan. 5.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Vent for core barrels. 1,844,076; Feb. 9.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Scraping washer for disk bits. 1,850,358; Mar. 22.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Earth boring drill. 1,854,911; Apr. 19.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Well drill. 1,858,282; May 17.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Roller core bit. 1,874,065; Aug. 30.
Scott, Floyd L., and H. Bartin, Houston, Tex. Combination rolling and scraping cutter drill. 1,874,066; Aug. 30.
Scott, Floyd L., and H. T. Baggett, assignors to Hughes Tool Company, Houston, Tex. Core catching device. 1,858,248; May 17.
Scott, Floyd L., and L. E. Garfield, assignors to Hughes Tool Company, Houston, Tex. Fast rotating well drill. 1,858,249; May 17.
Scott, Frank, Orbisonia, Pa. Miter machine. 1,850,695; Mar. 22.
Scott, Gherald D. (See Page, D. C., and Scott.)
Scott, Gherald D., assignor to The Heald Machine Company, Worcester, Mass. Gear holding and centralizing device. 1,882,997; Oct. 18.
Scott, Harry E., Cleveland Heights, assignor to The Thew Shovel Company, Lorain, Ohio. Variable and truck apparatus. 1,867,386; July 12.
Scott, Harry M., Chickasha, Okla., assignor, by mesne assignments, to Scott Patents Corporation, Chicago, Ill. Method and device for inserting padding into upholstery. 1,842,845; Jan. 26.
Scott, Henearie L., San Antonio, Tex. Self loading and unloading elevator. 1,879,713; Sept. 27.
Scott, Henry D., Wheeling, W. Va. Manufacturing decorated tubing. 1,856,883; May 3.
Scott, Henry L., Company. (See Scott, David C., assignor.)
Scott, Henry L. Company. (See Scott, D. C., and Valentine, assignors.)
Scott, Henry Murray, Sweetwater, Tenn. Cheese treating method and apparatus. 1,861,721; June 7.
Scott, Henry P., Company, The, as trustee. (See Bond, Samuel C., assignor.)
Scott, Herbert C., Wellington, New Zealand. Oil burning apparatus for steam boilers. 1,857,697; May 10.
Scott, Howard, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 1,843,903; Feb. 2.
Scott, Howard, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Composite conductor. 1,872,354; Aug. 16.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 87,340; July 19.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 88,581; Dec. 6.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 88,582; Dec. 6.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 88,583; Dec. 6.
Scott, James. (See Winchcliffe, W., and Scott.)
Scott, James W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Refining copper. 1,852,998; Oct. 5.
Scott, John E., assignor to Allith-Prouty Company, Danville, Ill. Lock for door rollers. 1,878,333; Sept. 20.
Scott, John E., assignor to Allith-Prouty Company, Danville, Ill. Hand brake rigging. 1,890,623; Dec. 13.
Scott, John R. (See Daynes, H. A., and Scott.)
Scott, John R. et al. (See Lascelles, W. J., Peterson, Scott, and Wilson.)
Scott, John W., Flushing, N. Y. Edging. 1,850,696; Mar. 22.
Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating magnetic materials. 1,839,344; Jan. 5.
Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing magnetic cores. 1,860,820; May 31.
Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for producing magnetic cores. 1,860,843; May 31.
Scott, Kenneth L., Western Springs, A. L. Kirby, Cicero, and M. E. Leach, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Heat treating magnet steels. 1,839,345; Jan. 5.
Scott, Leslie E., and E. A. Smith, San Jose, Calif. Automatic vending machine. 1,857,881; May 10.
Scott, Lewis L., St. Louis, Mo. Combined automatic gas and oil burner. 1,840,744; Jan. 12.
Scott, Lewis L., St. Louis, Mo. Fuel injection engine. 1,853,235; Apr. 12.
Scott, Lewis L., St. Louis, Mo. Rotary oil burner. 1,858,476; Nov. 22.
Scott, Martin L., Cooper, Tex. Soil saver. 1,852,983; Apr. 5.
Scott, Murray D. (See Morris, J. N., and Scott.)
Scott, Murray D., London, England. Free wheel clutch mechanism for use in hoisting and load-carrying machines. 1,885,771; Nov. 1.
Scott Paper Company. (See Hires, John E., assignor.)
Scott Paper Company. (See Liebeck, Harry, assignor.)
Scott Paper Company. (See Mulligan, Patrick J., assignor.)
Scott Paper Company. (See Von Hazmburg, Romulus S., assignor.)
Scott Paper Company. (See Wood, Ralph, assignor.)
Scott Patents Corporation. (See Scott, Harry M., assignor.)
Scott-Ross and Company. (See Scott, B. H., and Ross assignors.)

Scott, Rossiter S., New York, N. Y. Aircraft. 1,842,846; Jan. 26.
Scott, Thomas F., Patterson, La. Toy airplane. 1,880,501; Oct. 4.
Scott, Thomas S., Cordova, Alaska. Box-marking machine. 1,845,726; Feb. 16.
Scott, Vernon F. (See Pfeil, John C., assignor.)
Scott, Walter, Sheridan, Wyo. Front driven steering wheel mounting. 1,841,418; Jan. 19.
Scott, Walter A. (See Wood, Joseph E., assignor.)
Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Cleansing composition. 1,879,953; Sept. 27.
Scott, Walter C. (See Pursell, Arthur T., assignor.)
Scott, Walter L. (See Shaw, L. L., and Scott.)
Scott, Walter J., Woonsocket, R. I. Stop motion for drawing frames. 1,848,667; Mar. 8.
Scott, Walter J., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ceramic material. 1,847,102; Mar. 1.
Scott, Walter J., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ceramic material and manufacturing ceramic articles. 1,847,196; Mar. 1.
Scott, Walter L., et al. (See Le Fevre, John S., assignor.)
Scott, Walter M., et al. (See Barnhart, Job R., assignor.)
Scott, Wellington W., assignor to Axwell Products Company, Waukegan, Ill. Envelope and treating furniture. 1,856,931; May 3.
Scott, William. (See Reeder, H. R., and Scott.)
Scott, William, Medford, Mass. Valve. 1,843,461; Feb. 2.
Scott, William, Medford, Mass. Valve. 1,843,462; Feb. 2.
Scott, William D., Los Angeles, Calif. (See Scott.)
Scott, William E., Philadelphia, assignor of one-half to R. W. Ehling, Norristown, and one-half to W. T. Scott, Philadelphia, Pa. Elevator tackle. 1,891,115; Dec. 13.
Scott, William M., Treddyfrin Township, Chester County, Pa. Time element device. Re18,638; Dec. 6.
Scott, William M., Treddyfrin Township, Chester County, Pa. Time element device. 1,848,668; Mar. 8.
Scott, William M., jr., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switching mechanism. 1,877,698; Sept. 13.
Scott, William M., jr., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switching mechanism. 1,879,714; Sept. 27.
Scott, William T., et al. (See Scott, William E., assignor.)
Scott & Williams, Inc. (See Getaz, James L., assignor.)
Scott & Williams, Incorporated. (See Grothey, Ivan W., assignor.)
Scott & Williams, Incorporated. (See Hill, Roscoe, assignor.)
Scott & Williams Incorporated. (See Nobst, G., and Ulbricht, assignors.)
Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
Scott & Williams, Inc. (See Page, A. E. and F. R., assignors.)
Scott & Williams, Incorporated. (See Page, Frank R., assignor.)
Scott & Williams, Incorporated. (See Paquette, Edgar E. and R. J., assignors.)
Scott & Williams, Incorporated. (See Paquette, Exilias E., assignor.)
Scott and Williams, Inc. (See Robinson, Frank W., assignor.)
Scott & Williams, Inc. (See Sutphen, John L., assignor.)
Scott & Williams, Incorporated. (See Swinglehurst, Harry, assignor.)
Scott and Williams, Incorporated. (See Williams, Louis N. D., assignor.)
Scott, Winfield. (See North, C. O., and Scott.)
Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacture of age resisting vulcanized rubber. 1,845,846; Feb. 16.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Age resisting rubber compound and making same. 1,845,847; Feb. 16.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of mercapto-aryl-thiazoles. 1,858,344; May 17.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Age resisting vulcanized rubber compound. 1,859,801; May 24.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber vulcanization process. 1,869,624; Aug. 2.
Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber vulcanization accelerator. 1,874,639; Aug. 30.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Rubber vulcanization accelerator. 1,875,943; Sept. 6.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber and products obtained thereby. 1,885,556; Nov. 1.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber. 1,890,165; Dec. 6.
Scotti, Orlando, Vienne, France. Continuous hat beating machine. 1,850,775; Mar. 22.
Scottish Dyes, Limited. (See Drescher, H. A. E., Fairweather, and Thomas, assignors.)
Scottish Dyes, Limited. (See Drescher, H. A. E., Smith, and Thomas, assignors.)
Scottish Dyes, Limited. (See Hooley, L. J., and Thomas, assignors.)
Scottish Dyes, Limited. (See Jones, J. I. M., and Kilby, assignors.)
Scottish Dyes Limited. (See Loveluck, R. J., Beckett, and Thomas, assignors.)
Scottish Dyes, Limited. (See Smith, W., and Thomas, assignors.)
Scottish Dyes, Limited. (See Wilson, J. S., and Thomas, assignors.)
Scott-Snell, Charles and E., assignors to International Vacuum Power, Limited, London, England. Thermally-actuated motive device. 1,848,226; Mar. 8.
Scott-Snell, Edward. (See Scott-Snell, Charles and E.)
Scovel, Thomas L., assignor of one-half to R. R. Poston, New Richmond, Wis. Automatic water control. 1,850,159; Mar. 22.
Scovill, Ivan B., assignor to Apex Spool Company, Inc., Philadelphia, Pa. Spool. 1,854,384; Apr. 19.
Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
Scovill Manufacturing Company. (See Boden, George, assignor.)
Scovill Manufacturing Company. (See Clemmons, Herbert D., assignor.)
Scovill Manufacturing Company. (See Cowperthwait, A. D. and Reutter, assignors.)
Scovill Manufacturing Company. (See Cutler, Eli N., assignor.)
Scovill Manufacturing Company. (See Dews, Joseph W., assignor.)
Scovill Manufacturing Company. (See Donahue, Patrick F., assignor.)
Scovill Manufacturing Company. (See Duncan, James, assignor.)
Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)
Scovill Manufacturing Company. (See Fenton, P. E., and Janes, assignors.)
Scovill Manufacturing Company. (See Fenton, P. E., and Kline, assignors.)
Scovill Manufacturing Company. (See Fenton, P. E., and Tompkins, assignors.)
Scovill Manufacturing Company. (See Ferguson, William P., assignor.)
Scovill Manufacturing Company. (See George, James S., assignor.)
Scovill Manufacturing Company. (See German, Abraham J., assignor.)
Scovill Manufacturing Company. (See Goss, John H., assignor.)
Scovill Manufacturing Company. (See James, Edmund D., assignor.)
Scovill Manufacturing Company. (See Jones, David, assignor.)
Scovill Manufacturing Company. (See King, G. A., and Troske, assignors.)
Scovill Manufacturing Company. (See King, George A., assignor.)
Scovill Manufacturing Company. (See Leggett, George R., assignor.)
Scovill Manufacturing Company. (See Main, Samuel M., assignor.)
Scovill Manufacturing Company. (See McAtree, John L., assignor.)
Scovill Manufacturing Company. (See Meader, Russell G., assignor.)
Scovill Manufacturing Company. (See Mitchell, August, assignor.)
Scovill Manufacturing Company. (See Moran, Joseph F., assignor.)
Scovill Manufacturing Company. (See Pasman, Abram N., assignor.)
Scovill Manufacturing Company. (See Patchen, Arthur D., assignor.)
Scovill Manufacturing Company. (See Price, William B., assignor.)
Scovill Manufacturing Company. (See Reutter, Frederick R., assignor.)
Scovill Manufacturing Company. (See Ruffin, A. F., and Weckler, assignors.)
Scovill Manufacturing Company. (See Schaff, Almanzo, assignor.)
Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)
Scovill Manufacturing Company. (See Tompkins, Emerson H., assignor.)
Scow, Peter O., St. Paul, Minn. Display. 1,846,911; Feb. 23.
Scranton, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for amplifying and distributing sound waves. 1,852,793; Apr. 5.
Scranton, J. P., trustee. (See Ricker, Norman H., assignor.)
Scranton Lace Company, The. (See Belin, Henry, 3d, assignor.)

Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage. 1,840,607; Jan. 12.
Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Assembling roller bearings. 1,840,638; Jan. 12.
Scrivener, Joseph L., McLean, Va. Latch bolt. 1,840,416; Jan. 12.
Scroggs, Roy B., Eugene, Oreg. Construction for aeroplanes. 1,848,578; Mar. 8.
Scruton, Howard L., Minneapolis, Minn. Cover operator and holder for garbage cans and the like. 1,842,210; Jan. 19.
Scudder, Charles J., Scranton, Pa. Locomotive axle and crank pin and constructing the same. 1,891,505; Dec. 20.
Scudder, Mason, Clayton, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Football, basket ball, and the like. 1,863,170; June 14.
Scull Company, William S. (See Thompson, Charles P., assignor.)
Scull, James P., assignor to Whitall-Tatum Company, Millville, N. J. Glass working machine. 1,870,755; Aug. 9.
Scullen, Hugh J., Detroit, Mich., assignor to Copeland Products Inc. Liquid for use with refrigeration systems. 1,841,258; Jan. 12.
Scullin Steel Company. (See Chiles, George S., assignor.)
Scullin Steel Company. (See Doerr, Harry E., assignor.)
Scullin Steel Company. (See Dreibuss, H. C., and McCullough, assignors.)
Scullin Steel Company. (See McCullough, Paul J., assignor.)
Scully, John T., New York, N. Y. Razor blade and holder therefor. 1,886,238; Nov. 1.
Scully, William E. (See Raymond, R., and Scully.)
Scurlock, Lewis H., Chicago, Ill. Group container. Des. 88,110; Oct. 25.
Scurlock, Lewis H., Chicago, Ill. Group container. Des. 88,111; Oct. 25.
Scurlock, Lewis H., Chicago, Ill. Group container. Des. 88,112; Oct. 25.
Scusck, Bruno E. (See Williams, H. K., and Sczuck.)
Seaberg, Elmer A., Pueblo, Colo. Automobile light. 1,881,329; Oct. 4.
Seabert, Grover, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Repair clamp for bell and spigot pipe joints. 1,856,788; May 3.
Seabert, John D., assignor to General Motors Radio Corporation, Dayton, Ohio. Acoustic device. 1,844,605; Feb. 9.
Seabert, John D., assignor to General Motors Radio Corporation, Dayton, Ohio. Acoustic device. 1,844,801; Feb. 9.
Seabert, John D., assignor to General Motors Radio Corporation, Dayton, Ohio. Loud speaker adapted for automobile use. 1,844,802; Feb. 9.
Seabert, John D., assignor to General Motors Radio Corporation, Dayton, Ohio. Acoustic device. 1,844,803; Feb. 9.
Seabert, John D., assignor to General Motors Radio Corporation, Dayton, Ohio. Support for diaphragm transformers. 1,844,804; Feb. 9.
Seabert, John D., Dayton, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Energy-translating device. 1,877,992; Sept. 20.
Seaboard Airways, Inc. (See Hyland, Lawrence A., assignor.)
Seaboch, Thomas J., Lenoir, N. C. Obstacle removing device for cow catchers. 1,854,676; Apr. 19.
Seabolt, Frank J., Schenectady, N. Y., assignor to The Phonograph Company. Phonograph. 1,855,156; Apr. 19.
Seabolt, Frank J., Schenectady, N. Y., assignor to The Phonograph Company. Phonograph. 1,855,157; Apr. 19.
Seabrook Motor Corporation. (See Seabrook, William H., assignor.)
Seabrook, William H., Detroit, Mich., assignor to Seabrook Motor Corporation. Piston ring. Internal combustion engine valve. 1,869,919; Aug. 2.
Seabury, Ralph L., and L. W. Murray, assignors to Delco-Remy Corporation, Anderson, Ind. Brush for electrical machines. 1,884,298; Oct. 25.
Seafidi, Antone. (See Reno, Joseph, assignor.)
Seagraves, O. R. (See Ross, Albert S., assignor.)
Seaholm, Charles H., assignor to General Talking Pictures Corporation, New York, N. Y. Talking motion picture apparatus. 1,882,303; Oct. 11.
Seaholm, Ernest W. (See Berinser, R., and Seaholm.)
Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Vehicle having brakes. 1,863,385; June 21.
Seaholm, Ernest W., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Clutch. 1,874,366; Aug. 30.
Seaholm, Ernest W., G. E. Parker, and A. H. Stahlhuth, Detroit, Mich., assignors to Bendix Brake Company, Chicago, Ill. Brake. 1,875,508; Sept. 6.
Seaholm, John P., assignor to Minneapolis-Moline Power Implement Company, Moline, Ill. Disk cultivator or plow. 1,861,667; June 7.
Seaholm, Nils, Mount Vernon, N. Y. Surgeon's knife. 1,869,586; Aug. 2.
Seaholm, Rudolph V., and F. H. H. Foss, Chicago, Ill. Sign changing device. 1,847,139; Mar. 1.
Séailles, Jean C., Paris, France. Preparation of alumina. 1,856,194; May 3.
Seale, Albert T., Middlesboro, Ky. Electric heater. 1,846,918; Jan. 12.
Sealed Joint Construction Corporation. (See Keuls, Henry P. C., assignor.)
Seaman, Frank P., and C. E. Schirmer, assignors to Robbins & Myers, Inc., Springfield, Ohio. Hoisting mechanism. 1,870,385; Aug. 9.
Seaman, Harold L., Long Branch, N. J., assignor of one-half to J. F. Oberle, New York, N. Y. Sea skiff. 1,848,502; Mar. 8.
Seaman, Robert G., Dover, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Rubber disbursing agent. 1,867,633; July 19.
Seaman, Stewart E. (See Hanson, H. H., and Seaman.)
Seaman, Stewart E., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cellulose. 1,891,537; Dec. 20.
Seaman, William H., Hammond, Ind. Metal roll. 1,857,825; May 10.
Seamans & Cobb Company. (See Whalen, John E., assignor.)
Seamless Rubber Company, The. (See De Laney, Wallace W., assignor.)
Seamless Rubber Company, The. (See Moessner, Gertrude, assignor.)
Searle, Harold E., Jersey City, N. J., assignor, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Oil well strainer. 1,861,722; June 7.
Searles, Alva L., Grand Rapids, Mich. Fan for furnace hot air pipes. 1,886,841; Nov. 8.
Searles, Burt, East San Gabriel, assignor of one-half to H. R. Lee, Monterey Park, Calif. Individual brush keep and shaper. 1,872,827; Aug. 23.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,877,734; Sept. 13.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,877,735; Sept. 13.
Searles, Raymond R., and F. Leister, assignors to The Fafnir Bearing Company, New Britain, Conn. Bearing. 1,884,299; Oct. 25.
Searles, Wayne S., Providence, R. I., assignor to Universal Optical Corporation. Blank material for ophthalmic mountings. Des. 66,643; Mar. 29.
Searles, Wayne S., Providence, R. I., assignor to Universal Optical Corporation. Blank material for ophthalmic mountings. Des. 66,644; Mar. 29.
Searles, Wayne S., Providence, R. I., assignor to Universal Optical Corporation. Ophthalmic mounting. 1,850,653; Dec. 20.
Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic frame. 1,891,016; Dec. 13.
Sears, David B., assignor to Corning Glass Works, Corning, N. Y. Refractory article. 1,843,175; Feb. 2.
Sears, Edward, Deer Lodge, Mont. Weighing device. 1,865,446; July 5.
Sears, Edward W., Kansas City, Mo. Label blank. Des. 87,549; Aug. 9.
Sears, Richard W., 2d, and J. F. Koca, Woodstock, Ill.; said Koca assignor to said Sears. Air vehicle. 1,883,414; Oct. 18.
Sears, Roebuck and Co. (See Bohmker, John C., assignor.)
Sears, Roebuck and Co. (See Shee, Parke B., assignor.)
Sears, Sydney L., Lyndhurst, N. J., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Bottle making machine. 1,849,555; Mar. 15.
Sease, Virgil B., Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Reversing photographic negatives. 1,857,089; May 6.
Seasongood, Charles C., Philadelphia, Pa., and C. W. McWilliams, Arlington, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric contact device. 1,849,643; Mar. 15.
Seastone, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic material and producing same. 1,869,025; July 26.
Seaton, Chester O., Louisville, Ky. Electric track switch. 1,854,884; Oct. 25.
Seaton, Max Y., Palo Alto, assignor to California Chemical Corporation, Newark, Calif. Preparation of high plastic lime. 1,872,512; Aug. 16.
Seaton, Sidney G., La Salle, assignor to Utica Hydraulic Cement Co., Utica, Ill. Making a cement composition. 1,855,271; Apr. 26.
Seaver, Floyd. (See Pulley, Roy D., and Seaver.)
Seaver, Floyd, assignor to Swift and Company, Chicago, Ill. Apparatus for processing foodstuffs with fluid currents. 1,878,329; Sept. 20.
Seaver, Jay J., Evanston, assignor to H. A. Brassert & Company, Chicago, Ill. Checkerwork supporting and holding means for blast stoves. 1,860,368; May 31.
Seavers, Harold L., and P. G. Bernstein, York, Pa. Presser foot. 1,852,482; Apr. 5.
Seaverson, Oswald I. (See Williamson, K. T., and Seaverson.)
Seawell, Joseph M., assignor to C. Wortham and W. T. Reed, Richmond, Va. Transfer printing and issuing machine. 1,888,412; Nov. 22.

Sebastian Lathe Company, The. (See Schroder, William, assignor.)

Sebastian, Robert L., Montclair, N. J., assignor to The American Agricultural Chemical Company. Reacting acid phosphates with ammonia liquor. 1,857,571; May 10.

Sebastianelli, Angelo, Scranton, Pa. Expression indicator for piano accordions. 1,849,319; Mar. 15.

Sebell, Harry, Boston, Mass., assignor of one-half to A. H. Parker, Lexington, Mass. Method of applying bail ears to containers. 1,842,571; Jan. 26.

Sebell, Harry, Boston, assignor to A. H. Parker, Lexington, Mass. Sealed can. 1,870,270; Mar. 1.

Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Attaching a can end to a can body. 1,847,271; Mar. 1.

Sebell, Harry, assignor to M. Corinblatt, Boston, Mass. Battery jumper. 1,854,489; Apr. 19.

Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Sealed can and making the same. 1,857,665; May 10.

Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Method of and tool for applying a bail ear to sheet metal. 1,865,144; June 28.

Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Making a can. 1,858,413; Nov. 22.

Sebes, John. (See Karlovitch, T., and Sebes.)

Sebesta, Edward F., Minneapolis, Minn. Signaling device. 1,872,097; Aug. 16.

Sebille, Georges, Paris, France. Method and apparatus for reading books and the like. 1,889,575; Nov. 29.

Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant. 1,857,981; May 10.

Sebrell, Lorin B., and A. M. Clifford, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age retarder for rubber compounds. 1,858,935; May 17.

Sebring Pottery Company, The. (See McMaster, Harry J., assignor.)

Sechrist, A. (See Kirkpatrick, Lige H., assignor.)

Sechrist, Theodore O. (See Zweibel, C. A., and Sechrist.)

Security Fire Door Company. (See Talen, Mauritz W., assignor.)

Security First National Bank et al., trustees. (See Reynolds, Joseph S.)

Security Grinding Wheel Co., Trustees of. (See Schumacher, Frank A., assignor.)

Security Manufacturing Company. (See Carpenter, J. E., and Whitman, assignors.)

Security Trust Company, et al., executors. (See Horton, Allen A.)

Sederholm, Per, assignor to Stickler & Magnuson Aktiebolag, Stockholm, Sweden. Chuck for bracing of tools, work-pieces, or the like. 1,841,919; Jan. 19.

Sederland, Fred, assignor to R. W. Hedland, Youngstown, Ohio. Acetylene and oxygen tank carrier. 1,843,245; Feb. 2.

Sedge Products Company. (See Logan, C. F., assignor, and Mahnke.)

Sedgley, Reginald F., Philadelphia, Pa. Method of and apparatus for winding coils. 1,874,576; Aug. 23.

Sedgley, Reginald F., Philadelphia, Pa. Firearm. 1,849,507; Mar. 15.

Sedgley, Reginald F., Philadelphia, Pa. Rifle loading mechanism. 1,850,729; Mar. 22.

Sedgley, Reginald F., Philadelphia, Pa. Combined club and firearm. 1,859,601; May 17.

Sedgley, Reginald F., Philadelphia, Pa. Firearm. 1,874,815; Aug. 30.

Sedgley, Robert H., Concord, N. H. Fishline. 1,846,912; Feb. 23.

Sedlmayer, Josef. Berlin-Charlottenburg, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Signal transmission system. 1,882,653; Oct. 11.

Sedlmayr, Robert. (See Kränzlein, G., and Sedlmayr.)

See, A. B., Elevator Company. (See Lindstrom, Nils O., assignor.)

See, A. B., Elevator Company. (See Persson, Lars G., assignor.)

See, Edward E., Omaha, Nebr. Lightning device for sewing machines. 1,858,564; May 17.

See, Harvey E., Bates City, Mo. Tractor attachment. 1,868,770; July 26.

Seebach, Fritz. (See Elbel, E., and Seebach.)

Seebach, Fritz, Erkner-Berlin, assignor to Bakelite-Gesellschaft mit beschrankter Haftung, Berlin-Charlottenburg, Germany. Process of preparing urea resin condensation products. 1,844,824; Feb. 9.

Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Charlottenberg, Germany. Purification of phenol-aldehyde resins. 1,868,079; July 19.

Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany. Hardening phenol aldehyde condensation products. 1,883,415; Oct. 18.

Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin-Charlottenburg, Germany. Purifying phenol-aldehyde condensation products. 1,891,455; Dec. 20.

Seeber, Emil J., Chicago, Ill. Jack. 1,874,128; Aug. 30.

Seefried, Herman. (See Heimann, H., Petersen, Bayerl, and Seefried.)

Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for synchronized drives. 1,841,157; Jan. 12.

Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,848,847; Mar. 8.

Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical generating system. 1,851,989; Apr. 5.

Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. System of electrical distribution. 1,860,626; May 31.

Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for induction motors. 1,871,392; Aug. 9.

Seeger, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,874,640; Aug. 30.

Seeger, Edwin W. Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,878,334; Sept. 20.

Seeger Refrigerator Company. (See Seeger, Walter G., assignor.)

Seeger Refrigerator Company. (See Spreen, Charles C., assignor.)

Seeger, Walter G., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator door. 1,858,906; May 17.

Seehase, Hans, Berlin-Treptow, Germany. Flexible slide rule. 1,892,012; Dec. 27.

Seel, Paul. (See Berger, A. N., and Seel.)

Seelbach, John F., assignor to Grand Rapids Hardware Co., Grand Rapids, Mich. Sash pulley. 1,845,631; Feb. 16.

Seelbach, John F., assignor to Grand Rapids Hardware Co., Grand Rapids, Mich. Pulley wheel for sash pulleys. 1,886,431; Nov. 8.

Seelcke, Heinrich, Bremen, Germany. Braking apparatus for trailer vehicles. 1,861,723; June 7.

Seelert, Edward H., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Frame and mounting for heat exchange units. 1,840,417; Jan. 12.

Seelert, Edward H., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Concealed heat exchange unit. 1,859,056; May 17.

Seeley, George A., Irvington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand supplying and distributing apparatus. 1,864,558; June 28.

Seeley, George A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable forming apparatus. 1,866,272; July 5.

Seeley, Harold T. (See Bany, H., and Seeley.)

Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Control system. 1,843,788; Feb. 2.

Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Protective system. 1,847,905; Mar. 1.

Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Method and apparatus for synchronizing alternating current generators. 1,852,825; Apr. 5.

Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Electrical control system. 1,879,545; Sept. 27.

Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Automatic control equipment. 1,891,952; Dec. 27.

Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Control system. 1,892,540; Dec. 27.

Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Control apparatus. 1,886,749; Nov. 8.

Seeley, Rica H. (See Wetmore, W. C., and Seeley.)

Seelig, Sichert, Berlin-Charlottenburg, Germany. Apparatus for distilling. 1,858,467; May 17.

Seeligson, Walter M., San Antonio, Tex. Apparatus and system for ginning cotton. 1,861,757; June 7.

Seeling, Charles R., Burbank, assignor to Pictola Camera Co. Ltd., Los Angeles, Calif. Roll-film camera. 1,864,768; June 28.

Seelinger, Glenn H., Greeley, Colo. Beet topping attachment for beet pullers. 1,864,031; June 21.

Seelinger, Horace D., assignor to General Motors Research Corporation, Detroit, Mich. Electrically operated steering gear. 1,848,977; Mar. 8.

Seelinger, William J., Detroit, Mich. Combined auto doorlock and dovetail. 1,863,032; June 14.

Seelman, George, & Sons Co. (See Kaliebe, William J., assignor.)

Seely, John M., near New Carlisle, assignor to The Champion Company, Springfield, Ohio. Metal burial vault. Des. 86,095; Jan. 26.

Seely, John M., near New Carlisle, assignor to The Champion Company, Springfield, Ohio. Metal burial vault. Des. 86,750; Apr. 12.

Seely, John M., near New Carlisle, assignor to The Champion Company, Springfield, Ohio. Metal burial vault. Des. 87,087; May 31.

Seely, John M., near New Carlisle, assignor to The Champion Company, Springfield, Ohio. Burial vault. Des. 87,552; Aug. 9.

Seely, John M., near New Carlisle, assignor to The Champion Company, Springfield, Ohio. Catafalque. Des. 87,553; Aug. 9.

Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,839,269; Jan. 5.

Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,855,424; Apr. 26.

Seeman, Hallen. (See Wilson, A. R., Seeman, and Hallen.)

Seemel, Bruno E., Brooklyn, assignor to Automatic Coinwrapping Machine Corporation, New York, N. Y. Coin feeder. 1,859,315; May 24.

Seemel, Bruno E., Brooklyn, assignor to Automatic Coinwrapping Machine Corporation, New York, N. Y. Coin stacker. 1,859,574; May 24.

Seese, William R. (See Grant, Ira O., assignor.)

Seewald, Fritz, Berlin-Johannisthal, and H. Ebert, Berlin-Adlershof, assignors to the Firm Deutsche Versuchsanstalt für Luftfahrt, E. V., Berlin-Adlershof, Germany. Torque-measuring instrument. 1,869,513; Aug. 2.

Sefcik, Thomas T. (See Hudec, A., and Sefcik.)

Seferiadis, Basile, Maisons Laffitte, France, assignor to S. C. Patents Limited, London, England. Manufacture of cigarette paper. 1,839,346; Jan. 5.

Sefton National Fibre Can Co. (See Hicks, Helen C., assignor.)

Sefton National Fibre Can Co. (See Hicks, William P., assignor.)

Sefton, Walter. (See Ta'Bois, Percival L., assignor.)

Segal, David. (See Gassel, Gavil, assignor.)

Segal Founders Corporation. (See Segal, Hyman R., assignor.)

Segal, Hyman R., New York, N. Y. Atomizer. 1,845,200; Feb. 16.

Segal, Hyman R., assignor to Segal Founders Corporation, New York, N. Y. Safety razor. 1,857,980; May 10.

Segal, Hyman R., assignor, by mesne assignments, to Segal Safety Razor Corporation, New York, N. Y. Razor and blade. 1,865,971; July 5.

Segal, Hyman R., New York, N. Y. Window shade. 1,865,972; July 5.

Segal, Hyman R., New York, N. Y., assignor to Segal Founders Corporation. Razor. 1,885,300; Nov. 1.

Segal Lock & Hardware Co. Inc. (See Schechter, Joseph, assignor.)

Segal Lock & Hardware Co. Inc. (See Schechter, J., and Poole, assignors.)

Segal, Meyer, Chicago, Ill. Heat pad for molding compounds. 1,859,991; May 24.

Segal Safety Razor Corporation. (See Segal, Hyman R., assignor.)

Segal Safety Razor Corporation. (See Segal, Samuel, assignor.)

Segal, Samuel, New York, N. Y. Key cutting machine. 1,839,018; Jan. 5.

Segal, Samuel, New York, N. Y. Writing implement. 1,850,086; Mar. 22.

Segal, Samuel, New York, N. Y., assignor to Segal Safety Razor Corporation. Razor. 1,887,105; Nov. 8.

Segall, Oscar N., Philadelphia, Pa. Display fixture. Des. 87,760; Sept. 13.

Segarra, A. C., et al. (See Alcala, Pablo, assignor.)

Segelhorst, August L. (See Berkey, Hugh S., assignor.)

Segelhorst, August L., Huntington Beach, Calif. Automatic stop handler. 1,859,119; July 19.

Seger, Earl F. (See Hopkins, R. Z., and Seger.)

Seger, Lavern A., assignor of one-half to F. W. Kramer, Grand Rapids, Mich. Piston for internal combustion engines. 1,889,387; Nov. 29.

Segerfelt, Bror, N., Bohmisch Krumau, Czechoslovakia. Removing malodorous gases formed in the sulphate and soda pulp manufacture. 1,854,420; Apr. 19.

Segers, Emiel P., Chicago, Ill. Handle protector. 1,851,136; Mar. 29.

Segimon, José, Barcelona, Spain. Chain and knot binder. 1,892,411; Dec. 27.

Seguine, William, jr. (See Mowlds, K. S., and Seguine.)

Seguine, William, jr., Newport, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Purification of zinc solutions. 1,856,731; May 3.

Seguine, William, jr., Newport, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Preparation of blanc fixe. 1,863,699; June 21.

Seguine, William, jr., and A. T. Mertes, Newport, Del., assignors to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of hydrated zinc oxide. 1,863,700; June 21.

Segur, John B. (See Hopkins, H. H., and Segur.)

Segur, John B., Chicago, and R. Hoover, Deerfield, Ill., assignors to Association of American Soap & Glycerine Producers, Inc. Treating fruit. 1,853,151; Apr. 12.

Segur, John B., Chicago, and K. Hoover, Deerfield, Ill., assignors to Association of American Soap & Glycerine Producers, Inc. Date. 1,853,152; Apr. 12.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbons. 1,843,742; Feb. 2.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,850,291; Mar. 22.

Seguy, Jean D., assignor to The Universal Oil Products Company, Chicago, Ill. Converting petroleum oil. 1,854,073; Apr. 12.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,857,406; May 10.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Process for hydrocarbon oil conversion. 1,884,886; Oct. 25.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,884,887; Oct. 25.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbons. 1,888,051; Nov. 15.

Seiblach, Albert E., assignor to Albert Pick-Barth Company, Inc., Chicago, Ill. Drinking glass. Des. 87,417; July 19.

Seib, Carl. (See Hoffa, E., and Seib.)

Seib, Carl. (See Wagner, H., Sohst, Seib, and Schumacher.)

Seiberling Rubber Company. (See Alexander, H. S., Pfeiffer, and White, assignors.)

Seiberling Rubber Company. (See Pfeiffer, Fred B., assignor.)

Seiberling Rubber Company. (See Shook, Florian J., assignor.)

Seiberling, Frank A., Akron, and W. S. Wolfe, Fairlawn, assignors to Seiberling Rubber Company, Barberton, Ohio. Pneumatic tire. 1,877,600; Sept. 13.

Seiberling Latex Products Company. (See Goodwin, John O., assignor.)

Seiberling Rubber Company. (See Goodwin, John O., assignor.)

Seiberling Rubber Company. (See Heston, Allen L., assignor.)

Seiberling Rubber Company. (See Kilborn, Karl B., assignor.)

Seiberling Rubber Company. (See Schrank, Harry P., assignor.)

Seiberling Rubber Company. (See Seiberling, F. A., and Wolfe, assignors.)

Seibert, Carl F., Hamilton, and E. J. Seibert, Cincinnati, Ohio. Driving means for applicators. 1,879,546; Sept. 27.

Seibert, Elmer J. (See Seibert, Carl F., and E. J.)

Seibert, Nelson J. (See Hartman, H., and Seibert.)

Seibert, Nelson J., and E. M. Kreidler, Wilkinsburg, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Rotor shaft carrier for tin gas meters. 1,884,888; Oct. 25.

Seibert, William D., Brooklyn, N. Y. Buckle. 1,873,219; Aug. 23.

Seibt, Georg, Berlin-Schoneberg, Germany, assignor to Radio Corporation of America. Electric discharge tube. 1,868,443; July 19.

Seide, Alvin C., Brooklyn, N. Y. Glove or similar article. Des. 86,645; Mar. 29.

Seide, Max, assignor to Chamberlin Metal Weatherstrip Co., Detroit, Mich. Roller screen. 1,873,156; Aug. 23.

Seidel, Arnold, Berlin-Charlottenburg, Germany. Air propeller with angle of pitch changeable in flight. 1,867,715; July 19.

Seidel, Arnold, Berlin-Charlottenburg, Germany. Sprung bogie for railway and tramway cars. 1,881,139; Oct. 4.

Seidel, Adolph, and M. R. Hatch, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Triple action power press. 1,871,088; Aug. 9.

Seidel, Bruno W. (See Koppelman, H. I., and Seidel.)

Seidel, Walter F., Chicago, Ill. Cake ornament or similar article. Des. 87,243; June 21.

Seidman & Cohan, Inc. (See Seidman, H., and Cohan, assignors.)

Seidman, Hyman, and H. Cohan, Brooklyn, assignors to Seidman & Cohan, Inc., New York, N. Y. Link device. 1,840,681; Jan. 12.

Seidemann, Wilhelm, Dresden, Germany. Sand distributor for filling molding boxes and the like with molding sand. 1,865,145; June 28.

Seifarth, Frederick G., Chicago, Ill. Roller bearing. 1,865,796; July 5.

Seifert, E. (See Cohan, Lillian, assignor.)

Seifert, John O., Auburndale-Flushing, assignor, by mesne assignments, to American Sealcone Corporation. New York, N. Y. Receptacle and method of making and closing the same. 1,844,625; Feb. 9.

Seifert, John O., Flushing, assignor, by mesne assignments, to American Sealcone Corporation, New York, N. Y. Apparatus for closing and sealing receptacles. 1,871,749; Aug. 16.

Seifert, Max, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Shutter for photographic objectives. 1,867,109; July 12.

Seifert, William V., Denver, Colo. Drill bit. 1,856,437; May 3.

Seigle, William, Hinton, Okla. Coil spring longitudinal arch support. 1,848,203; Mar. 8.

Seil, Gilbert E., Newark, N. J. Method of and apparatus for subdividing material. 1,859,992; May 24.

Seiler, George F., New Orleans, La. Frame for making hooked rugs. 1,857,067; May 3.

Seiler, Michael L., assignor to Keystone Reamer & Tool Co., Millersburg, Pa. Reamer. 1,871,474; Aug. 16.

Seinsheimer Paper Company. (See Johnson, Samuel J., assignor.)
Seipp, Franz, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for separating suspended material from gases. 1,846,365; Feb. 23.
Seipp, Franz, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitator. 1,848,579; Mar. 8.
Seisel, S. M., Co. (See Martell, Forrest H., assignor.)
Selas, George A., Toledo, Ohio. Cap for vaporous liquid tanks. 1,850,730; Mar. 22.
Seiter, Eugene R., Ridgefield Park, N. J., assignor to T. W. & C. B. Sheridan Company. Bookbinding machine. 1,882,044; Oct. 11.
Seitz, Anna L. C., et al., executrices. (See Conrader, Rudolph.)
Seitz, Frederick L., Gary, Ind. Drilling and reaming device. 1,869,514; Aug. 2.
Seitz, Hermann P., Detroit, Mich. Extinguisher for cigarettes or the like. 1,848,388; Mar. 8.
Seitz, Oskar, Baden, Switzerland. Electric power rectifier anode. 1,837,069; Nov. 8.
Seitz, Oskar, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifier cooling system. 1,843,176; Feb. 2.
Seitz, Oskar, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric current rectifier. 1,858,907; May 17.
Seitz, Oskar, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric current rectifier. 1,871,434; Aug. 9.
Seitz, Valentine R. (See Glasser, O., and Seitz.)
Seitz, Xaver, Constance, Germany. Shock absorbing device for motor cars. 1,858,971; May 17.
Seitzman, David, New York, N. Y. Automatic antiholdup door control. 1,875,166; Aug. 30.
Seitz-Werke G. m. b. H. (See Böhmer, A., and Gebhardt, assignors.)
Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Operating alternating current commutator motors. 1,850,776; Mar. 22.
Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Speed or load control system. 1,857,164; May 10.
Selzer, Gottlob Friedingen, near Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Berlin, Germany. Pneumatically or hydraulically actuated clutch. 1,841,221; Jan. 12.
Sekella, Youston, Elmira Heights, assignor to Eclipse Machine Company, Elmira, N. Y. Starting mechanism for internal combustion engines. 1,833,416; Oct. 18.
Sekella, Youston, assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,833,417; Oct. 18.
Sekella, Youston, Elmira Heights, assignor to Eclipse Machine Company, Elmira, N. Y. Rebound check for starter drives. 1,833,418; Oct. 18.
Sekulski, Lee, assignor to Matthews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,849,385; Mar. 15.
Selby, John A., Providence, R. I. Automobile windshield screen. 1,877,065; Sept. 13.
Selden, Andrew B., Jr., assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Cooling of dynamo-electric machines. 1,876,767; Sept. 13.
Selden Company, The. (See Daniels, Lloyd C., assignor.)
Selden Company, The. (See Daniels, L. C., and West, assignors.)
Selden Company, The. (See Jaeger, Alphons O.. assignor.)
Selden Company, The. (See Jaeger, A. O., and Bertsch, assignors.)
Selden Company, The. (See Jaeger, A. O., assignor, and Bertsch.)
Selden Company, The. (See Jaeger, A. O., and Daniels, assignors.)
Selden Company, The. (See Jaeger, A. O., and Norton, assignors.)
Selden Company, The. (See Jaeger, A. O., and West, assignors.)
Selden Company, The. (See West, Herbert J., assignor.)
Selden, Louis P., assignor to S. S. Rosendorf, Richmond, Va. Rubber printing stamp. 1,869,868; Aug. 2.
Selden Research & Engineering Corporation, The. (See Daniels, Lloyd C., assignor.)
Selden Research & Engineering Corporation, The. (See Daniels, L. C., Schwindt, and Jaegar, assignors.)
Selden Research & Engineering Corporation, The. (See Jaeger, Alphons O., assignor.)
Selden Research & Engineering Corporation, The. (See Jaeger, A. O., Daniels, West, and Stevenson, assignors.)
Selden Research & Engineering Corporation, The. (See Jaeger, A. O., and Norton, assignors.)
Selected Products Corporation. (See Dahl, Conrad, assignor.)
Selectograph Company. (See Gollnick, Paul A., assignor.)
Selector Corporation, The. (See Wurzbach, H. E., and Wadsworth, assignors.)
Selenophon Licht- und Tonbild-gesellschaft m. b. H. (See Czeija, O. and Thirring, assignors.)
Selenophon Licht- und Tonbild-gesellschaft m. b. H. (See Czeija, O., Richtera, and Thirring, assignors.)

Seley, Charles A., assignor to Locomotive Firebox Company, Chicago, Ill. Steam boiler. 1,856,732; May 3.
Self Lighting Cigarette Corporation of America. (See Gerou, William H., assignor.)
Self Locking Holder Co. (See Welslow, George, assignor.)
Selfridge, Wilber C., Fullerton, Calif. Device for mixing fertilizer with water for irrigation. 1,864,947; June 28.
Seligmann, Arthur, Dusseldorf, Germany. Refrigerating process and the apparatus applicable thereto. 1,870,265; Aug. 9.
Seligsberg, Walter N. (See Benson, Melvin B., assignor.)
Selikoff, David, assignor to Selikoff & Schapiro, New York, N. Y. Jewelry setting. 1,844,606; Feb. 9.
Selikoff & Schapiro. (See Selikoff, David, assignor.)
Selikowitz, Adolph, Brooklyn, assignor to Metropolitan Importing & Mfg. Co., New York, N. Y. Combination display and information device. 1,844,301; Feb. 9.
Selje, Frederick A. (See Goode, G. C., Selje, and Miller.)
Sell, Emma O. (See Sell, John C. F., assignor.)
Sell, John C. (See Schiffhouer, J. H., and Sell.)
Sell, John C. F., assignor to E. M. Sell, Chicago, Ill. Coupling mechanism. 1,871,241; Aug. 9.
Sellars, Oliver H., Glen Ridge, assignor to Ingersoll-Rand Company, Jersey City, N. J. Guide for drill steels. 1,891,953; Dec. 27.
Sellberg, Enoch. (See Helm, C. W., and Sellberg.)
Sellentin, Fred J., Newark, N. J. Ironing board. 1,859,155; Nov. 29.
Sellers, William & Company. (See Pedrick, Irare P., assignor.)
Selling, Otto, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Curling tongs. 1,839,998; Jan. 5.
Sellman, Folke E., Scarsdale, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,845,850; Feb. 16.
Sellman, Folke E., White Plains, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,867,181; July 12.
Sellmer, Jacob P., Stinson Beach, Calif. Airplane. 1,841,642; Jan. 19.
Sells, Ogden S. (See de Back, W., and Sells.)
Sells, Ogden S., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Machine for grading globular articles. 1,872,220; Aug. 23.
Sells, Ogden S., San Francisco, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Processing corn. 1,884,300; Oct. 25.
Selsertron Manufacturing Company. (See Flood, Oscar S., assignor.)
Selquist, Rolf, McKeesport, assignor to Copperweld Steel Company, Glassport, Pa. Penetrol film or laminæ for use in cinematography. 1,854,864; Apr. 19.
Semenitz, Christian, and S. Loewenthal, assignors to R. Kupfer, Berlin, Germany. Protection of metallic films from galvanic reactions on photographic layers or the like being applied to them. 1,846,765; Feb. 23.
Semet-Solvay Company. (See Conklin, Earl B., assignor.)
Semet-Solvay Company. (See Knapp, Walter R., assignor.)
Semet-Solvay Company. (See Lawton, Joseph J., assignor.)
Semet-Solvay Company. (See Mitchell, Henry E., assignor.)
Semet-Solvay Company. (See Torrey, Bates, jr., assignor.)
Semet-Solvay Company. (See Wingert, William B., assignor.)
Semet-Solvay Engineering Corporation. (See Becker, Julius, assignor.)
Semet-Solvay Engineering Corporation. (See Dunkle, H. E., and Becker, assignors.)
Semet-Solvay Engineering Corporation. (See King, Eugene W., assignor.)
Semet-Solvay Engineering Corporation. (See Schrader, L. F., and Hart, assignors.)
Semet-Solvay Engineering Corporation. (See Tweit, Olav, assignor.)
Semet-Solvay Engineering Corporation. (See Tweit, O., and Tymstra, assignors.)
Semi-Steel Casting Co. (See Shanley, Connor B., assignor.)
Semmes, Harry H., Chevy Chase, assignor to American Propeller Company, Baltimore, Md. Propeller. 1,843,886; Feb. 2.
Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Seaplane. 1,863,944; June 21.

Semmes, Harry H., Chevy Chase, Md., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Brake testing structure. 1,873,051; Aug. 23.

Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Seaplane. 1,879,547; Sept. 27.

Semon, Arthur F., Kansas City, Mo. Burglar alarm. 1,868,923; July 26.

Semon, Waldo L. (See Zimmerli, W. F., and Semon.)

Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cleaning and pickling metals. 1,852,194; Apr. 5.

Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Binding book. 1,858,685; May 17.

Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,860,434; May 31.

Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,884,889; Oct. 25.

Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preparing the same. 1,886,310; Nov. 1.

Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,890,916; Dec. 13.

Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,890,917; Dec. 13.

Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plastic composition and making same. 1,892,167; Dec. 27.

Semple, John B., Sevickley, Pa. Target. 1,841,851; Jan. 19.

Semrau, Hugo F., Pittsburgh, Pa. Combination pipe stand and holder for smokers' articles. Des. 86,482; Mar. 8.

Senauke, Alexander, New York, N. Y. Radioreceiver. 1,859,419; Jan. 5.

Send, Maurice W., Detroit, Mich. Display sign. 1,853,703; Apr. 12.

Sendelbach, Joseph, and R. T. Palmer, McAlester, Okla. Apparatus for treating gasoline. 1,878,720; Sept. 20.

Sendlinger Optische Glaswerke G. m. b. H. (See Jaeckel, Georg, assignor.)

Sen, Fong Y., Shanghai, China. Manufacture of glutamic acid compounds. 1,890,590; Dec. 13.

Seneca Falls Machine Company. (See Branigan, Paul, assignor.)

Seneca Falls Machine Company. (See Smith, E. R., and Schinkez, assignors.)

Senft, John, York, assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Antiskid chain. 1,882,999; Oct. 18.

Senft, John, York, assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Antiskid chain. 1,883,000; Oct. 18.

Senftner, Dr., & Co. G. m. b. H. (See Senftner, Georg, assignor.)

Senftner, Georg, Berlin, assignor to the Firm Dr. Senftner & Co. G. m. b. H., Stettin, Germany. Radioactive means for activating water in bottles. 1,839,270; Jan. 5.

Seng Company, The. (See Fox, Martin, assignor.)

Sengbusch, Gustav J., Milwaukee, Wis. Inkstand. 1,843,305; Feb. 2.

Sengbusch, Gustav J., Milwaukee, Wis. Pen socket mounting. 1,847,674; Mar. 1.

Sengebusch, Hans, Villa Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Recording device. 1,862,200; June 7.

Sengebusch, Hans, Villa Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Circuit closing device. 1,888,700; Nov. 22.

Senglar, John J., Tallmadge, Ohio. Antiskid chain. 1,875,268; Aug. 30.

Senior, John C., assignor to Sanford Mills, Sanford, Me. Textile web dyeing process. 1,871,920; Aug. 16.

Senior, John H. (See Bokum, W. F., and Senior.)

Senisch, Charles, Omaha, Nebr. Protective turret. 1,861,193; May 31.

Senn, George, Green Bay, Wis. Baseball. 1,873,221; Aug. 23.

Senna, Samuel N., Chicopee, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Testing apparatus. 1,878,446; Sept. 20.

Sennett, Mack, Color Film Co. (See Guerin, Paul J., assignor.)

Sennett, Sylvester J., assignor to The Tribune Company, Chicago, Ill. Matrix delivery mechanism for slug casting machines. 1,853,288; Apr. 12.

Sensanne Laboratories, Inc. (See Gluzek, Lorand J. B., assignor.)

Sensow, Anton C., assignor to U. S. Slicing Machine Company, La Porte, Ind. Feed mechanism for slicing machines. 1,858,376; May 17.

Sensow, Anton C., assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing and chopping machine. 1,877,993; Sept. 20.

Senter, Andrew F. (See Senter, Daniel C. and A. F.)

Senter, Daniel C., and A. F. Senter, Grandview, Mo. Radio antenna. 1,876,318; Sept. 6.

Sentner, Matthew B. (See Maxey, Charles J., assignor.)

Sentney, Charles R., Hollywood, Calif. Attachment for stands and the like. 1,858,752; May 17.

Sentry Safety Control Corporation. (See Adams, John F., assignor.)

Sentry Safety Control Corporation. (See Allen, T. T., and Adams, assignors.)

Sentry Safety Control Corporation. (See Allen, T. T., and Gibbs, assignors.)

Sentry Safety Control Corporation. (See Cohen, Joseph E., assignor.)

Sentry Safety Control Corporation. (See Cohen, J. E., and Adams, assignors.)

Sentry Safety Control Corporation. (See Cohen, J. E., Godoy, and Miehling, assignors.)

Senzer, Marcus, Highland Park, N. J. Coat making. 1,891,692; Dec. 20.

Seppeler, Eduard, Berlin-New Cologne, Germany. Propeller. 1,839,347; Jan. 5.

Seppeler, Eduard, Berlin-Nenbolln, Germany. Propeller for flying machines. 1,851,874; Mar. 29.

Seppmann, Alfred B., Lake Crystal, Minn. Brake testing apparatus. 1,843,341; Feb. 2.

Seppmann, Alfred B., Lake Crystal, Minn. Brake tester. 1,877,396; Sept. 13.

Seppmann, Alfred B., Lake Crystal, Minn. Pedal depressing means for brake testers. 1,877,367; Sept. 13.

Serembe, Daniel F., Jersey City, N. J. Shoe. 1,846,617; Feb. 23.

Sergeant, David E. (See Shepherd, A. T., and Sergeant.)

Seright, Warren A., Fruitland, Iowa. Vine cutter. 1,857,006; May 3.

Serijanian, Mihran. (See Palanjian, Henry, assignor.)

Serini, Arthur. (See Schollkopf, K., and Serini.)

Serini, Arthur. (See Strauss, S., Schollkopf, and Serini.)

Serr, William, New York, N. Y. Flavor dispenser cup. 1,889,111; Nov. 29.

Serra, Luigi M., Rome, Italy. Rotary engine. 1,885,557; Nov. 1.

Serrell, John A., Pass-A-Grille, Fla. Controlling interior temperature. 1,881,093; Oct. 4.

Serrell, John A., Pass-A-Grille, Fla., and J. L. Fitts, Pensauken Township, Merchantville, Camden County, N. J.; said Fitts assignor to Warren Webster & Company. Vacuum operated water lifting apparatus. 1,868,673; July 26.

Serrell, John J., Elizabeth, assignor to Smith & Serrell, Mahwah, N. J. Flexible coupling. 1,868,544; July 26.

Serrell, Robert. (See Artzt, M., and Serrell, assignors.)

Serrilla, Antonio, Chicago, Ill. Window construction. 1,852,580; Apr. 5.

Serrurier, Iwan, Los Angeles, Calif. Film-viewing machine. 1,873,341; Aug. 23.

Serrurier, Iwan, Hollywood, Calif. Apparatus for examining and selecting motion picture films. 1,873,342; Aug. 23.

Sertré, Jacques E., Laeken-Brussels, Belgium. Internal combustion engine. 1,853,464; Apr. 12.

Serton Rubber Company, The. (See Kelser, Charles R., assignor.)

Servel, Inc. (See Carter, John H., assignor.)

Servel, Inc. (See Collins, William D., assignor.)

Servel, Inc. (See Dawson, James H., assignor.)

Servel, Inc. (See Kuenzli, W. A., and Dowell, assignors.)

Servel, Inc. (See McComb, Henry G., assignor.)

Servel, Inc. (See Nave, Alfred E., assignor.)

Servel, Inc. (See Peltier, Frank D., assignor.)

Servel, Inc. (See Peltier, F. D., and Ploeger, assignors.)

Servel Inc. (See Pickens, Russell A., assignor.)

Servel, Inc. (See Ploeger, Clyde E., assignor.)

Servel Inc. (See Tanger, Chelton H., assignor.)

Servel Sales, Inc. (See Anderson, Sven W. E., assignor.)

Servel Sales, Inc. (See Thomas, Albert R., assignor.)

Server, Herbert W., Dayton, Ohio. Paper manufacture. 1,882,194; Oct. 11.

Service Bureau, Inc. (See Dawson, George H., assignor.)

Service Equipment Company. (See Farley, George E., assignor.)

Service, Henry H., Topeka, Kans. Coupler. 1,873,494; Aug. 23.

Service Recorder Company, The. (See Cool, Henry R., assignor.)

Service Station Equipment Co. Limited. (See Brouse, William H. D., assignor.)

Service Station Equipment Company. (See Kent, Earl W., assignor.)

Service Station Equipment Company. (See Manson, Thomas M., assignor.)

Service Station Equipment Company. (See Woodford, Joe C., assignor.)

Service Station Equipment Company. (See Woodford, Joseph C., assignor.)

Service Station Equipment Co. Limited. (See Brouse, William H. D., assignor.)

Servilla, Emiliano, Antilla, Cuba. Key Holder. 1,859,176; May 17.

Servis Equipment Company. (See Jarmin, James B., assignor.)

Servitor Manufacturing Company. (See Olin, George C., assignor.)
Servo-Frein Dewandre, Société Anonyme. (See Dewandre, Albert, assignor.)
Servo-Frein Dewandre, Societe Anonyme. (See Kratz, Franz, assignor.)
Serv-Rite Corporation. (See Barnes, Alvin P., assignor.)
Sesko, Mike, assignor of one-half to R. Yannucci, Warren, Ohio. Apparatus for cleaning iron bars. 1,885,772; Nov. 1.
Session, Oscar, Toppenish, Wash. Animal trap. 1,852,038; June 7.
Sessions, Ivy, Oakland, Calif. Garment hanger. 1,886,126; Nov. 1.
Sessions Clock Company, The. (See Mazur, Samuel, assignor.)
Sessions, Donald W., Finchley, London, England. Lifting jack. 1,859,093; May 24.
Sessions, Donald W., Finchley, London, England. Lifting jack. 1,859,994; May 24.
Sessions, Donald W., London, England. Device for operating lifting jacks. 1,861,326; May 31.
Sessions, Edson O., Chicago, Ill. Furnace for effecting heat treatments. 1,878,896; Sept. 20.
Sessions, Frank L., Lakewood, Ohio. Apparatus for electric heating and welding. 1,842,461; Jan. 26.
Sessions, Royal L., York, Pa., assignor, by mesne assignments, to Molybdenum Corporation of America, New York, N. Y. Preparation of carbide. 1,874,641; Aug. 30.
Sestito, Natale V., Cincinnati, Ohio. Ornamental marker. 1,880,364; Oct. 4.
Seth, Stephen, Baltimore, Md., assignor to Safety Steering Control Company. Antishimmying device for steering mechanism. 1,846,694; Feb. 23.
Sether, Alvin T., and Norge, Cap for paste tubes. 1,858,419; May 17.
Sethman, Retus W., Cuyahoga Falls, assignor to The National Rubber Machinery Company, Akron, Ohio. Automatic venting machine. 1,879,548; Sept. 27.
Set-O-Type Company, The. (See Poeppelmeier, Frank H., assignor.)
Set-O-Type Manufacturing Company. (See Poeppelmeier, Frank H., assignor.)
Setright, Henry R., London, England. Portable machine for type writing. 1,868,027; July 19.
Settel, Benjamin, New York, N. Y. Memorandum pad. 1,881,140; Oct. 4.
Settergren, Gr. Stockholm, Sweden. Manufacturing porous refractory articles. 1,880,157; Sept. 27.
Settergren, Bror K., Bluffton, Ind. Musical instrument. 1,859,364; May 24.
Settles, George W. (See Schlebecker, Oscar H., assignor.)
Seufert, Friedrich, Munich, Germany, assignor of fifty per cent to H. Seufert, Brooklyn, N. Y. Film feeding mechanism for cinema or like apparatus. 1,847,312; Mar. 1.
Seufert, Herman. (See Seufert, Friedrich, assignor.)
Seuffert, Joseph F., New York, assignor to H. Hyman, Brooklyn, N. Y. Snap switch. 1,870,072; Aug. 2.
Sever, Alfredo, assignor of one-fifth to C. Clarke, New York, N. Y. Novelty envelope. 1,870,386; Aug. 9.
Severin, Carl, Cleveland Heights, and L. R. Peters, Cleveland, Ohio, assignor to General Electric Company. Cut out for series lamp. 1,857,165; May 10.
Severn, Harry F. (See Trager, L., and Severn.)
Severns, Clayton. (See Hicks, J. N., and Severns.)
Severns, Clayton, et al. (See Patterson, Edgar W., assignor.)
Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Forge-welding stellite. 1,849,243; Mar. 15.
Severson, Samuel, Valders, Wis. Snow removing device. 1,844,693; Feb. 9.
Sévigné, Henri, Winthrop, assignor to National Bread Wrapping Machine Company, Springfield, Mass. Web-feeding and cutting machines. 1,872,513; Aug. 16.
Sevison, Harry D., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash lock. 1,842,882; Jan. 26.
Sevison, Harry D., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Screw mounting. 1,878,898; Sept. 20.
Sevoy, John E., Seattle, Wash. Container. 1,862,533; June 14.
Sewall, Frank J., Columbiana, Ohio. Educational device. 1,860,483; May 31.
Seward, Clarence L., jr. (See Lonnquest, T. C., and Seward.)
Seward, Ernest R., Kirkwood, assignor to Lehmann Machine Company, St. Louis, Mo. Pipe-flanging machine. 1,853,641; Apr. 12.
Seward, Owen L., Newington Junction, assignor to The Bush Manufacturing Company, Hartford, Conn. Radiator. 1,873,052; Aug. 23.
Seward, Percival H., Brooklyn, assignor to American Radiator Company, New York, N. Y. Chimney pipe structure. 1,849,808; Mar. 15.
Seward, Percy R., Minneapolis, Minn. Duplicating printing machine. 1,839,601; Jan. 5.
Seward, Sarah H., Minneapolis, Minn. Window ventilator. 1,883,002; Oct. 18.
Sewell, Charles W., Allentown, Pa. Apparatus for the carbonizing of briquettes. 1,855,950; Apr. 26.
Sewrey, Irsen R., La Salle, and F. E. Moffett, Ladd, assignors to Western Clock Company, Peru, Ill. Toy outboard motor driving and steering mechanism. 1,865,625; Aug. 2.
Sewrey, Irsen R., La Salle, and F. E. Moffett, Ladd, assignors to Western Clock Company, Peru, Ill. Spring motor. 1,851,066; Mar. 29.
Setz, Bertha E., administratrix. (See Setz, Hans R.)
Setz, Hans R., deceased, by B. E. Setz, administratrix, Highland Park, Pa. Internal combustion engine. 1,839,420; Jan. 5.
Sexton, August H., assignor to Kolor-Kraft Tile & Machine Company, Nashville, Tenn. Tile casting apparatus. 1,842,803; Jan. 26.
Sexton, George A., Winchester, Mass. Sheet metal receptacle. 1,883,003; Oct. 18.
Sexton Manufacturing Company. (See Rambo, James H., assignor.)
Sexton, Wilfred A. (See Bunbury, H. M., Naunton, and Sexton.)
Seybold, Frederick W., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Paper cutting machine. 1,880,332; Oct. 4.
Seydel, Karl. (See Schmidt, O., Seydel, and Meyer.)
Seyer, William F., Vancouver, British Columbia, Canada. Treatment of nuts. 1,848,806; Mar. 8.
Seyer, William F., Vancouver, British Columbia. Drying natural sodium carbonate. 1,873,243; Sept. 13.
Seyferth, Myrtle E., Murphysboro, Ill. Collapsible bed or crib. 1,887,438; Nov. 8.
Seyforth, Rome C., Hastings, Minn. Brush suspending device. 1,857,407; May 10.
Seyfried, Arthur W., Cleveland, Ohio. Window ventilator. Des. 87,982; July 18.
Seyfried, Arthur W., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Motor mounting. 1,873,243; Aug. 23.
Seykora, Eduard, Vienna, Austria. Shaving brush. 1,870,756; Aug. 9.
Seyl, Joseph C., Evanston, Ill. Filing cabinet. 1,874,867; Aug. 30.
Seymour, Claude M., Roanoke, Va. Shock eliminating device. 1,866,677; July 12.
Seymour, Frederick W., and D. A. Gillen, Flushing, N. Y. Combined valve and air cushion. 1,865,486; July 5.
Seymour, Mary F., executrix. (See Seymour, Ralph C.)
Seymour, Ralph C., deceased; M. F. Seymour, executrix, Short Hills, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Gripper mechanism for printing machines. 1,847,675; Mar. 1.
Sguerso, John, Brooklyn, N. Y. Heater for permanent waving. 1,884,890; Oct. 25.
Sguerso, John, Brooklyn, N. Y. Hair waver. 1,884,891; Oct. 25.
Shackelton, William J., Scotch Plains, N. J., assignor, by mesne assignments, to American Telephone & Telegraph Company. Inductance device and method for manufacturing the same. Re18,354; Feb. 16.
Shackleton, Samuel P., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Gas pressure alarm system for tool cables. 1,855,321; Apr. 26.
Shaeter, Harry, assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 88,113; Oct. 25.
Shafer, Neil, administratrix. (See Richey, Thomas J.)
Shadish, Frank, Bridgeville, Pa. Toy vehicle. 1,890,624; Dec. 13.
Shadle, Clinton F., Indianapolis, Ind., assignor to Air Development Company, Inc. Apparatus for conditioning air. 1,892,081; Dec. 27.
Shadle, Clinton F., Watertown, N. Y. Conditioning air. 1,853,226; Apr. 12.
Shadle, Lafe, Boxholm, Iowa. Dumping platform. 1,877,066; Sept. 13.
Shadlowsky, Joseph, Passaic Park, N. J. Button. Des. 85,996; Jan. 12.
Shadlowsky, Joseph, Passaic Park, N. J. Garment button. Des. 86,543; Mar. 15.
Shadlowsky, Joseph, Passaic Park, N. J. Button. Des. 87,447; July 26.
Shadrick, Richard H. (See Olsen, R. A., and Shadrick.)
Shaeffer, Edward J., and E. P. Brown, assignors to Standard Oil Company, Whiting, Ind. Distilling oils. 1,843,520; Feb. 2.
Shaeffer, Edward J., and E. P. Brown, assignors to Standard Oil Company, Whiting, Ind. Cracking system. 1,851,526; Mar. 29.
Shaeffer, George D., assignor to W. A. Riddell Company, Bucyrus, Ohio. Road grader and the like. 1,874,210; Aug. 30.
Shafer, Ira, San Diego, Calif. Confection coating apparatus. 1,871,089; Aug. 9.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Box car door. 1,885,145; Nov. 1.
Shafer, James A., East Cleveland, assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Lock. 1,860,369; May 31.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Box car door. 1,885,146; Nov. 1.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Lock. 1,861,032; May 31.

Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Water valve control for concrete mixers. 1,839,807; Jan. 5.

Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Valve control for concrete mixers. 1,841,984; Jan. 19.

Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Timing and recording mechanism. 1,862,946; June 14.

Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Timer. 1,885,004; Oct. 18.

Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Conveyer chain. 1,883,005; Oct. 18.

Shafer, Samuel, jr., and C. F. Ball, assignors to Chain Belt Company, Milwaukee, Wis. Batch meter. 1,865,592; July 5.

Shafer, William B., Pittsburgh, Pa., assignor to Pittsburgh Asphalt Vault Company. Hinge mechanism for grate vaults. 1,872,514; Aug. 16.

Shafer, Arthur, West Frankfort, Ill., assignor to General Electric Company. Variable torque control for cable reel motors. 1,843,743; Feb. 2.

Shaffer, Charles A., Chicago, Ill., assignor to The Watson-Stillman Co., New York, N. Y. Crosshead pin ejector. 1,889,135; Nov. 29.

Shaffer, Cleve D., San Francisco, Calif. Bridge construction. 1,852,338; Apr. 5.

Shaffer, Cleve F., San Francisco, Calif. Subaqueous tunnel. 1,877,904; Sept. 20.

Shaffer, Ernest A., Oklahoma City, assignor to George W. Shaffer, Tulsa, Okla. Hose coupling. 1,887,877; Nov. 15.

Shaffer, George W. (See Shaffer, Ernest J., assignor.)

Shaffer, George W., Tulsa, Okla. Deck of playing cards. Des. 88,324; Nov. 15.

Shaffer, Glenn A., and F. H. Wirtz, assignors to Fort Howard Paper Company, Green Bay, Wis. Napkin dispenser. 1,874,642; Aug. 30.

Shaffer, Nellie M., Des Moines, Iowa. Wall paper remover. 1,879,826; Sept. 27.

Shaffer, W. D. (See Jensen, Bertel M., assignor.)

Shaffer, William D. (See Jasper, Edgar L., assignor.)

Shaffer, William D. (See Schweitzer, Frank J., assignor.)

Shaft-Pierce Shoe Company. (See Shaft, Willis S.)

Shaft, Willis S., assignor to Shaft-Pierce Shoe Company, Faribault, Minn. Cross strap sandal. 1,884,301; Oct. 25.

Shaller, Philip B., and H. P. Troendly, assignors to The Wm. D. Gibson Company, Chicago, Ill. Mixing device. 1,890,307; Dec. 6.

Shake Proof Lock Washer Co. (See Nagel, Charles E., assignor.)

Shakely, Howard H., Pittsburgh, Pa. Coupler. 1,839,602; Jan. 5.

Shakeproof Lock Washer Company. (See Crowther, Edmond C., assignor.)

Shakeproof Lock Washer Company. (See Gribble, John M., assignor.)

Shakeproof Lock Washer Company. (See Hosking, Richard T., assignor.)

Shakeproof Lock Washer Company. (See Olson, Carl G., assignor.)

Shakeproof Lock Washer Company. (See Stenger, Victor R., assignor.)

Shakeproof Lock Washer Company. (See Trotter, George C., assignor.)

Shakespeare Company. (See Burdick, Frank, assignor.)

Shakespeare Company. (See Russell, Samuel G., assignor.)

Shakespeare Company. (See Shakespeare, William, jr., assignor.)

Shakespeare Company. (See Smith, Nicholls J., assignor.)

Shakespeare Company. (See Walker, G. H., and Cole, assignor.)

Shakespeare Company. (See Walker, G. H., and Thorne, assignors.)

Shakespeare Company. (See Workman, Peter, jr., assignor.)

Shakespeare, William, jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,869,441; Aug. 2.

Shakespeare, William M., South Orange, N. J., assignor to Anaconda Sales Company, New York, N. Y. Apparatus for applying coatings. 1,871,013; Aug. 9.

Shakespeare, William M., South Orange, N. J., assignor to Anaconda Sales Company, New York, N. Y. Building product. 1,871,090; Aug. 9.

Shallcross Control Systems Company. (See Shallcross, Wilmer M., assignor.)

Shallcross, Wilmer M., assignor to Shallcross Control Systems Company, Milwaukee, Wis. Automatic regulator for pumping plants. 1,851,022; Mar. 29.

Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Producing fine sinter returns. 1,856,270; May 3.

Shalomith, Israel H., Brooklyn, assignor of one-half to I. F. Dash, New York, N. Y. Terminal connection for electric lamp sockets. 1,879,768; Sept. 27.

Shamas, Joseph M., Lowell, Mass. Apparatus for use in treating peanuts. 1,890,867; Dec. 13.

Shamberger, George A., Shaw, Oreg. Thermometer. 1,867,990; July 19.

Shanafelt, Clark, Akron, Ohio. Elevator shaft construction. 1,888,018; Nov. 15.

Shanafelt, Donald M., Lakewood, G. B. Nisbet, Cleveland, and A. H. Shonkwiler, Lakewood, assignors to The Otis Steel Company, Cleveland, Ohio. Process and apparatus for annealing sheet steel. 1,859,802; May 24.

Shanafelt, Donald M., Lakewood, G. B. Nisbet, Cleveland, and A. H. Shonkwiler, Lakewood, assignors to The Otis Steel Company, Cleveland, Ohio. Apparatus for continuous treatment of sheet steel. 1,859,803; May 24.

Shanahan, George D. (See Matthael, F. C., and Shanahan.)

Shandel, Roy B., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Alarm circuit. 1,861,553; June 7.

Shandel, Roy B., Douglas Manor, N. Y., assignor to American Telephone and Telegraph Company. Measurement of attenuation and noise. 1,869,515; Aug. 2.

Shand, Errol B. (See Smede, L., and Shand.)

Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Anode cooling for rectifiers. 1,871,324; Aug. 9.

Shand & Jurs Company. (See Shand, Reginald C., assignor.)

Shand, Reginald C., assignor to Shand & Jurs Company, Berkeley, Calif. Flush valve. 1,841,456; Jan. 19.

Shander, Otto M. (See Thoeming, Walter L., and Shander.)

Shank, Charles L., North Canton, Ohio. Steam trap. 1,890,591; Dec. 13.

Shank, McConnell, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making molded articles. 1,863,209; June 14.

Shanklin, Dunbar L., Waverly, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Drying method. 1,872,015; Aug. 16.

Shanklin, James L., Houston, Tex. Nail. 1,891,246; Dec. 20.

Shanks, David F., Winona, N. J., assignor to Royal Electrotype Company, Philadelphia, Pa. Machine for engraving charts in wax. 1,884,802; Oct. 25.

Shanks, Jacob, St. Louis, Mo. Battery terminal. 1,884,892; Oct. 25.

Shanley, Connor E., St. Louis, Mo. Manhole cover. 1,877,996; Sept. 20.

Shanley, Connor E., assignor to Semi-Steel Casting Co., St. Louis, Mo. Man-hole frame and cover. 1,877,995; Sept. 20.

Shannon, Albert A., assignor to Eastman Kodak Company, Rochester, N. Y. Printing ink for photographic film. 1,880,502; Oct. 4.

Shannon, Elwood M. (See Keen, J. S., and Shannon.)

Shannon, Ellwood M., Bala, Pa. Electric locomotive trailer truck. 1,848,908; Mar. 8.

Shannon, Ellwood M., Bala, Pa. Six-wheel tender truck. 1,863,506; June 14.

Shannon, Ellwood M., Bala, Pa. Locomotive trailer truck. 1,888,183; Nov. 15.

Shannon, James L., Longmeadow, Mass., assignor, by mesne assignments, to French Battery Company, Madison, Wis. Electric flash light. 1,889,936; Dec. 6.

Shannon, Philip, Gwabegar, New South Wales, Australia. Undercarriage construction for trucks and the like. 1,855,997; Apr. 26.

Shannon, Philip, Gwabegar, New South Wales, Australia. Mechanical excavating machine. 1,855,998; Apr. 26.

Shannon, Richard A. (See Varble, J. M., and Shannon.)

Shannonhouse, George G. (See Baxter, H. G., and Shannonhouse.)

Shanor, William W., Saginaw, Mich. Scraper. 1,891,288; Dec. 20.

Shapiro, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Film tensioning means for cinematographs. 1,855,775; Apr. 26.

Shapiro and Aronson, Inc. (See Klein, Max, assignor.)

Shapiro, Benjamin H., Lawrence, Mass. Lamp shade and lamp. 1,863,767; June 21.

Shapiro, Charles, New York, N. Y. Combined doll and pillow. 1,867,422; July 12.

Shapiro, David H., Montreal, Quebec, Canada, assignor of one-half to Edward Kolbert, New York, N. Y. Carrying case and pattern for making the same. 1,877,601; Sept. 13.

Shapiro, David H., New York, N. Y. Machine and method for manufacturing articles from viscous substances. 1,880,110; Sept. 27.

Shapiro, Hyman A., Los Angeles, and P. Frauendorf, Culver City, Calif. Vehicle backing mirror apparatus. 1,877,997; Sept. 20.

Shapiro, Jack L., New York, N. Y. Dental bridgework attachment device. 1,863,230; June 14.

Shapiro, Jennie, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,416; Mar. 1.

Shapiro, Lewis, Durban, Union of South Africa. Fastening for wristlets, bangles, belts, and the like. 1,851,733; Mar. 29.

Shapiro, Max S., Brooklyn, N. Y. Dental casting apparatus. 1,846,913; Feb. 23.

Shapiro, Sam A., assignor to Pilot Radio and Tube Corporation, Lawrence, Mass. Switch. 1,891,247; Dec. 20.

Shara, Frank, Brooklyn, assignor to William Wilhelm Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,584; Dec. 6.

Sharar, Chester R., Los Angeles, Calif. Hydraulic brake. 1,887,723; Nov. 15.

Sharf, Arthur E., assignor to Pereles Bros. Inc., Milwaukee, Wis. Goggles. 1,850,812; Mar. 22.
Sharit Chemical Co. (See Michailovsky, Nicholas M., assignor.)
Sharkey, William E., assignor to The Raymond Bag Company, Middletown, Ohio. Tape cutter. 1,855,867; Nov. 1.
Sharma, Jagan N., Berkeley, assignor to Food Machinery Corporation, San Jose, Calif. Treating fruit to remove spray residues. 1,875,944; Sept. 6.
Sharon Steel Hoop Company. (See Hughes, J. M., Carter, and Perkins, assignors.)
Sharon Steel Hoop Company. (See Marsh, H. S., and Weesner, assignors.)
Sharowsky, Albert, Cleveland, Ohio, assignor of one-half to J. H. Sharp, Detroit, Mich. Alarm circuit closing switch. 1,841,061; Jan. 12.
Sharp, Albert and G. Dohme, N. J. Butter cutting and block forming machine. 1,848,274; Mar. 8.
Sharp, Albert and G., Bayonne, N. J. Cutting and block forming machine for plastic substances. 1,887,046; Nov. 8.
Sharp, Alice, Red Bluff, Calif. Writing guide for the blind. 1,870,145; Aug. 2.
Sharp, Allen W., assignor to Johnston Pressed Gear Co., Ottumwa, Iowa. Reel assembly. 1,882,195; Oct. 11.
Sharp, Charles L., Pittsburgh, Pa., assignor of one-half to J. H. Sharp, same burgh. 1,890,950; Dec. 13.
Sharp & Dohme, Inc. (See Dohme, Alfred R. L., assignor.)
Sharp & Dohme, Inc. (See Read, Roland R., assignor.)
Sharp, Dommie. (See Bradford, Thomas J., assignor.)
Sharp, Frank. (See Braun, Fredrick A., assignor.)
Sharp, Frederick L. (See Rood, E. H., and Sharp.)
Sharp, George. (See Sharp, Albert and A.)
Sharp, George G. (See Sharp, Albert and G.)
Sharp, George G., New York, N. Y. Ship framing. 1,844,483; Feb. 9.
Sharp, I. T. (See Sharp, Charles L., assignor.)
Sharp, John, Cleveland, Ohio. Aeroplane. 1,856,228; May 3.
Sharp, John, Cleveland, Ohio. Electromagnetic massager. 1,860,906; May 31.
Sharp, John H. (See Sharowsky, Albert, assignor.)
Sharp, Leslie D., Santa Paula, Calif. Soil auger. 1,877,067; Sept. 13.
Sharp, N. J., et al. (See Tiller, David M., assignor.)
Sharp, Paul F., Ithaca, N. Y. Egg preservation. 1,868,996; July 26.
Sharp, Robert W., Baton Rouge, La. Sugar cane mill. 1,846,914; Feb. 23.
Sharp, William E., Chicago, Ill. Washing machine. 1,884,893; Oct. 25.
Sharpe, Benjamin I., guardian. (See Bushaw, John W.)
Sharpe, Ira G., Liberty Center, Ohio, assignor to The Kraut Machine Company, Pittsburgh, Pa. Article trimming and slicing machine. 1,871,091; Aug. 9.
Sharpe, James J. (See Pletzke, E. J., and Sharpe.)
Sharpe, John S., Haverford, Pa. Transmission. 1,859,749; Apr. 12.
Sharpe, Joseph W., St. Louis, Mo. Automatic brake. 1,870,146; Aug. 2.
Sharpe, Arthur A., Stockdale, Kans. Hay maker. 1,856,438; May 3.
Sharples, George E., Cranston, R. I., assignor to D. M. Watkins Company, Dayton, Ohio. Mixer. 1,858,685; May 17.
Sharples Separator Company, The. (See Wendt, Herman D., assignor.)
Sharples Specialty Company, The. (See Jones, Leo D., assignor.)
Sharpsville Boiler Works Company. (See Fagan, C. D., and Ramsey, assignors.)
Sharron, Joel G. (See Proffitt, D. K., and Sharron.)
Sharts, Joseph W. (See Hubbell, Fred R., assignor.)
Shatkin, Aaron, Brooklyn, N. Y. Making sheet metal ware from tin. 1,844,016; Feb. 16.
Shatto, David L., Berkeley, and F. F. Lindstaedt, Oakland, assignors to Hercules Glue Company, San Francisco, Calif. Mirror construction. 1,890,166; Dec. 6.
Shartuck, Orville F., Indianapolis, Ind. Dry kiln door. 1,846,366; Feb. 23.
Shauer, Louis S. and R., Los Angeles, Calif. Refrigerator shelf appliance. 1,870,593; Aug. 9.
Shauer, Rose. (See Shauer, Louis S. and R.)
Shaughnessy, Frank, Troy, Ohio. Planetary stirring machine. 1,866,227; July 5.
Shauinger, Raymond K., Brooklyn, N. Y. Ash receiver. Des. 86,544; Mar. 15.
Shaukis, Arthur J., Haverhill, Mass. Neckband. 1,891,063; Dec. 13.
Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,872,515; Aug. 16.
Shaver, Archibald G., Chicago, Ill., and B. W. Meisel, Crestwood, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,872,828; Aug. 23.
Shaver, George W., et al. (See Chapin, A. J., and Shaver.)
Shaver, George D., Kalamazoo, Mich., assignor to Thermisul Corporation of America. Boston, Mass. Producing felted mineral wool insulator. 1,865,049; June 28.
Shaw, Abner R., assignor to S. E. Shaw, North Dartmouth, Mass. Carnation. Pl. Pt. 34; Oct. 11.
Shaw, Alexander F., jr., and P. Jaswell, Providence, R. I. Textile printing machine and friction driven roller for use therein. 1,855,731; Apr. 26.
Shaw, Alice, administratrix. (See Shaw, Oilsworth L.)
Shaw, Arthur B., St. Louis, Mo., and J. L. LeGorre, assignors to Pennsylvania Globe Company, Philadelphia, Pa. Globe holder. 1,869,026; July 26.
Shaw, Arthur L., deceased, Cicero, Ill., by Bertha S. Shaw, executrix, assignor to Chicago Automatic Conveyor Co., Cicero, Ill. Portable conveyer. 1,882,096; Oct. 11.
Shaw, Benson R., St Louis, Mo., and F. Buchanan, assignors to Crouse-Hinds Company, Syracuse, N. Y. Boundary light for airports and the like. 1,876,082; Sept. 6.
Shaw, Bertha S. (See Shaw, Arthur L.)
Shaw, Cecil, assignor to L. B. Holliday & Co., Limited, Deighton, Huddersfield, England. Production of black vat dyestuffs of the anthracene series. 1,839,271; Jan. 5.
Shaw, Cecil, Polmont, R. F. Thomson, Grangemouth, and J. Thomas, Polmont, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of halogenated intermediate for dyes. 1,842,894; Jan. 26.
Shaw, Cecil, Grangemouth, and J. Thomas, Polmont, Scotland, assignors to Imperial Chemical Industries Limited. Production of halogenated phthalic anhydride. 1,891,843; Dec. 20.
Shaw, Charles, Huntsville, Ontario, Canada. Hydroplane. 1,852,680; Apr. 5.
Shaw, Charles E., Huntsville, Ontario, Canada. Apparatus for pressing leather. 1,858,192; May 10.
Shaw, Charles G., Huntsville, Ontario, Canada. Manufacture of leather. 1,858,193; May 10.
Shaw, Charles P., Detroit, Mich. Gasket. 1,847,729; Mar. 1.
Shaw, Christian P., assignor to Killar Electric Manufacturing Company, St. Louis, Mo. Cut out box. 1,839,348; Jan. 5.
Shaw, Claude C., Camden, S. C. Rocker-shaft bearing for looms. 1,873,791; Aug. 23.
Shaw Crane-Putnam Machine Company. (See Gough, Arthur C., assignor.)
Shaw, Daniel T., Portland, Me. Signal transmitter. 1,863,285; June 14.
Shaw, Estle H., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe lining. 1,873,222; Aug. 23.
Shaw, Ernest C. (See Hagmaier, W. G., and Shaw.)
Shaw, Ernest P., San Antonio, Tex., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Porcelain rest for teeth. 1,890,132; Dec. 6.
Shaw, Francis, and Company, et al. (See Willshaw, H., Cowles, and Smith, assignors.)
Shaw, Frederick W., Chicago, Ill. Construction unit. 1,854,769; Apr 19.
Shaw, George R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed regulating system. 1,871,760; Aug. 16.
Shaw, Harold N., Milwaukee, Wis. Radiator. 1,890,625; Dec. 13.
Shaw, Harold N., Llanerch, Pa., assignor, by mesne assignments, to Globar Corporation, Niagara Falls, N. Y. Electric furnace. Re18,420; Apr. 12.
Shaw, Harold N., Erie, Pa., assignor to Globar Corporation, Niagara Falls, N. Y. Electric heating appliance. 1,844,906; Feb. 9.
Shaw, Harold N., Erie, Pa., assignor to Globar Corporation, Niagara Falls, N. Y. Electrical heating apparatus. 1,849,595; Mar. 15.
Shaw, Harold N., assignor to Globar Corporation, Niagara Falls, N. Y. Electrical heating apparatus. 1,873,653; Aug. 23.
Shaw, Harris W., Williamsville, assignor to National Gypsum Company, Buffalo, N. Y. Method and apparatus for making lath. 1,856,932; May 3.
Shaw, Harry A., East Lansing, Mich. Radiator. Des. 86,279; Feb. 16.
Shaw, Harry A., East Lansing, assignor to Reo Motor Car Company, Lansing, Mich. Decorating bar and means of securement. 1,855,492; Apr. 26.
Shaw, Harry J., Toledo, Ohio. Concrete mixer. Des. 18,511; July 5.
Shaw, Herbert C., Harrisburg, Pa. Knockdown kite reel. 1,840,214; Jan. 5.
Shaw, Herman, London, and E. L. Jones, Berkshire, England, assignors to Geophysical Research Corporation, New York, N. Y. Torsion balance and the like. 1,843,342; Feb. 2.
Shaw, James R., Klamath Falls, Oreg. Removing sawdust. 1,850,272; Mar. 22.
Shaw, John C. and R. D., Brooklyn, N. Y., assignors, by mesne assignments, to Pratt & Whitney Company, Hartford, Conn. Contouring tracer. 1,840,853; Jan. 12.
Shaw, John C. and R. D., Brooklyn, N. Y., assignors to Pratt & Whitney Company, Hartford, Conn. Formcutter roll. 1,861,456; June 7.
Shaw, John C. and R. D., Brooklyn, N. Y., assignors, by mesne assignments, to Pratt & Whitney Company, Hartford, Conn. Electrical control of the feed of planers and like machine tools. 1,871,224; Aug. 9.
Shaw, John H. (See Drexler, J. J., and Shaw.)

Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock mechanism. 1,854,563; Apr. 19.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Padlock. 1,886,912; Nov. 8.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. 1,889,454; Nov. 29.
Shaw, John S., and W. Heap, Liverpool, England. Speed changing and speed reducing gear. 1,846,100; Feb. 23.
Shaw, Joseph A., Pittsburgh, Pa. Treatment of hydrocarbon oil. 1,859,262; May 17.
Shaw, Leon I., assignor to Easthampton Rubber Thread Co., Easthampton, Mass. Rubber band package and making same. 1,886,842; Nov. 8.
Shaw, Leon I., East Orange, N. J., assignor to Adart-craft, Incorporated, New York, N. Y. Display device. 1,888,096; Nov. 15.
Shaw, Leon I., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Detergent. 1,855,872; Apr. 26.
Shaw, Leon I., Oak Park, and W. J. Scott, Brookfield, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Ceramic material and making the same. 1,847,197; Mar. 1.
Shaw, Leon I., Oak Park, and A. G. Johnson, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Enameled article and producing the same. 1,852,759; Apr. 5.
Shaw, Melvin C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Nozzle. 1,848,436; Mar. 8.
Shaw, Noble C., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic device. 1,855,322; Apr. 26.
Shaw, Noble C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,887,247; Nov. 8.
Shaw, Oilsworth L., deceased, Oak Harbor, Ohio; A. Shaw, administratrix. Vehicle brake device. 1,839,603; Jan. 5.
Shaw, Otto E., Meade, Kans. Mail carrier rack. 1,852,195; Apr. 5.
Shaw-Perkins Manufacturing Company. (See Davis, Archibald H., jr., assignor.)
Shaw-Perkins Manufacturing Company. (See Winsborough, Paschen, assignor.)
Shaw, Robert D. (See Shaw, John C. and R. D.)
Shaw, Stephen E. (See Shaw, Abner B., assignor.)
Shaw, Thomas, Woonsocket, R. I. Nesting bin. 1,862,609; June 14.
Shaw, Thomas, assignor to Simplex Tool Company, Woonsocket, R. I. Coupling machine. 1,844,339; Feb. 9.
Shaw, Thomas R., Minneapolis, Minn. Computing device. 1,892,367; Dec. 27.
Shaw Walker Company, The. (See Hunter, David E., assignor.)
Shaw, Wesley J., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Wood-heel machine. 1,888,294; Nov. 22.
Shaw, William, Needham, assignor to Saco-Lowell Shops, Newton, Mass. Cotton feeding mechanism. 1,861,512; June 7.
Shaw, William, Lowell, assignor to Saco-Lowell Shops, Newton, Mass. Cotton distributing system. 1,875,356; Sept. 6.
Shaw, William S., Boyne City, Mich. Linting machine. 1,882,450; Oct. 11.
Shaw, William S., Boyne City, Mich. Gas burner. 1,887,330; Nov. 8.
Shawen, Eli W., and A. C. Arnett, Dayton, Ohio. Water softener. 1,843,374; Feb. 2.
Shawnigan Chemicals Limited. (See Jane, Robert S., assignor.)
Shawmut Engineering Company. (See Ferrara, Frank, assignor.)
Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
Shawver, Roy E., Dallas, Tex. Wood turning lathe. 1,859,474; May 24.
Shay, Lette, Ann Arbor, Mich. Variable pitch and reversible aerial propeller. 1,843,887; Feb. 2.
Shayne, Walter J., et al. (See Sager, William O., assignor.)
Shea, John R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for working material. 1,883,006; Oct. 18.
Sheaffer Pen Company, W. A. (See Cuthbert, William R., assignor.)
Sheaffer, W. A., Pen Company. (See Branch, Robert F., assignor.)
Sheaffer, W. A., Pen Company. (See Daugherty, Samuel L., assignor.)
Sheaffer, W. A., Pen Company. (See Lindemon, William H., assignor.)
Sheaffer, W. A., Pen Co. (See Sheaffer, Walter A., assignor.)
Sheaffer, W. A., Pen Company. (See Stempel, Herman K., assignor.)
Sheaffer, W. A., Pen Company. (See Waldron, Harry E., assignor.)
Sheaffer, Walter A., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Container. 1,876,152; Sept. 6.
Sheahan, Frank I., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,843,375; Feb. 2.
Sheahan, Frank I., assignor to M. H. Detrick Company, Chicago, Ill. Furnace wall construction. 1,875,667; Sept. 6.
Shear, Max, Kansas City, Mo. Foot rest. 1,839,604; Jan. 5.
Sheard, Joseph H., assignor to David Lupton's Sons Company, Philadelphia, Pa. Window sash restraining means. 1,845,448; Feb. 16.
Shearer, Douglas G., Los Angeles, and O. O. Ceccarini, Beverly Hills, assignors to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Light valve. 1,843,989; Feb. 9.
Shearer, Harry T., and C. A. Reimschissel, assignors to Landis Machine Company, Waynesboro, Pa. Die head. 1,861,327; May 31.
Shearer, Harry T., and C. A. Reimschissel, assignors to Landis Machine Company, Waynesboro, Pa. Die head. 1,874,643; Aug. 30.
Shearman, John. (See Moncrieff, A. H. D., and Shearman.)
Sheats, John H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,884,303; Oct. 25.
Shedd, Hugh E., Minneapolis, Minn. Calendar. 1,866,425; July 5.
Shedrick, Ervin G., Manchester, Pa. Sheet lathing. 1,840,503; Mar. 8.
Shee, Parke B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Separator. 1,851,527; Mar. 29.
Shee, Parke L., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Locating device. 1,847,140; Mar. 1.
Sheedy, Frank T., and M. Traung, assignors, by direct and mesne assignments, to The Traung Company, San Francisco, Calif. Lithographic transfer press. 1,860,693; May 31.
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company. Blade feed for honing machines. 1,849,119; Mar. 8.
Sheehan, Thomas C., Upper Montclair, and J. E. Drew, Jersey City, N. J., assignors to Wade & Butcher Corporation. Forging machine. 1,867,331; July 12.
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company. Safety razor. 1,892,256; Dec. 27.
Sheehan, Wallace, trustee. (See Lane, George S., assignor.)
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle underframe. 1,859,895; May 24.
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway underframe. 1,859,938; May 24.
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Center plate structure. 1,864,154; June 21.
Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Cab underframe. 1,891,954; Dec. 27.
Sheel, Harold, Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer. 1,883,007; Oct. 18.
Sheeler, Harry E., assignor to The National Cash Register Company, Dayton, Ohio. Paper slitting and stacking device. 1,873,792; Aug. 23.
Sheely, Joseph H., St. Louis, Mo. Light. 1,890,167; Dec. 6.
Sheer, H. M., Company. (See Kuenhold, Otto J., assignor.)
Sheer, H. M., Company. (See Sheer, Henry M., assignor.)
Sheer, H. M., Company. (See Williams, James R., assignor.)
Sheer, Henry M., deceased; G. Irwin, administrator, assignor to H. M. Sheer Company, Quincy, Ill. Valve. 1,862,039; June 7.
Sheeran, Hugh J. (See Curran, Thomas A., assignor.)
Sheet Metal Specialty Company. (See Diller, Louis A., assignor.)
Sheets, Barton R., assignor to Gardner-Denver Company, Denver, Colo. Slip rotation for rock drills. 1,852,389; Apr. 5.
Sheets, George W. Sparrows Point, Md. Valve. 1,854,046; Feb. 9.
Sheets, Orestes L., Miami, Fla. Advertising apparatus. 1,853,237; Apr. 12.
Sheffer, John W. (See Bisset, W. J., and Sheffer.)
Sheffield, Herman B., New York, N. Y. Apparatus for correcting vision. 1,876,769; Sept. 13.
Sheffield Steel Corporation. (See Gronemeyer, Herbert W., assignor.)
Sheinman, Frederick, New York, N. Y. Window cleaning apparatus. 1,891,360; Dec. 20.
Shekerjian, Newton J., New York, N. Y. Pliers. 1,892,082; Dec. 27.
Shekter, Abraham J., Jamaica, N. Y. Periodic electric time switch. 1,891,017; Dec. 13.
Shelby Metal Products Company. (See Hoffman, Laurence N., assignor.)
Shelby Salesbook Company, The. (See Critchfield, Walter O., assignor.)
Shelby Spring Hinge Company, The. (See Hubbs, Henry B., assignor.)
Sheldon, Clifford D., London, England. Paper pulp beating machine, hollander, refiner, and the like. 1,849,556; Mar. 15.

Sheldon, Daniel F., Los Angeles, Calif. Casting tetrahedrons. 1,875,668; Sept. 6.
Sheldon, Edgar H., Muskegon, Mich. Fume hood. 1,840,371; Jan. 12.
Sheldon, Edgar H., Muskegon, Mich. Fume hood for laboratory tables. 1,834,204; Oct. 25.
Sheldon, Harry E., Pittsburgh, Pa, assignor to Allegheny Steel Company. Treatment of steel sheets. 1,854,628; Apr. 19.
Sheldon, Harry E., Pittsburgh, Pa., assignor to Allegheny Steel Company. Treatment of steel sheets. 1,854,629; Apr. 19.
Sheldon, Harry O., Minneapolis, Minn. Game apparatus. 1,866,674; July 12.
Sheldon Machinery Corporation. (See Sheldon, Waldo, assignor.)
Sheldon, Roscoe V. (See Ecket, C. C., and Sheldon.)
Sheldon, Samuel B., deceased, Duluth, Minn., First and American National Bank of Duluth, executor. Manufacture of manganese pig iron. 1,846,152; Feb. 23.
Sheldon, Waldo, South Norwalk, Conn., assignor to Sheldon Machinery Corporation, New York, N. Y. Well drill. 1,856,299; May 3.
Sheldrick, Harry W., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron. 1,873,054; Aug. 23.
Sheldrick, Henry W. (See Collier, D. R., and Sheldrick.)
Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Transmission. 1,862,098; June 7.
Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Truck extension coupling shaft. 1,862,099; June 7.
Sheldrick, Robert, Fairbank, and L. Heap, Toronto, Ontario, Canada. Clutch device. 1,840,682; Jan. 12.
Shelgren, Walter P., Bradford, Pa. Vanity case. 1,845,938; Feb. 16.
Shell Development Company. (See Bent, Franklin A., assignor.)
Shell Development Company. (See Davisson, D. W., and Welke, assignors.)
Shell Development Company. (See Deanesly, Richard M., assignor.)
Shell Development Company. (See Engs, William, and Moore, assignors.)
Shell Development Company. (See Heath, Frank W., assignor.)
Shell Development Company. (See Lewis, Robert I., assignor.)
Shell Development Company. (See Moser, F. R., and Greutert, assignors.)
Shell Development Company. (See Pyzel, Daniel, assignor.)
Shell Development Company. (See Rosenstein, Ludwig, assignor.)
Shell Development Company. (See Taylor, Jack F. M., assignor.)
Shell, Gustave A., Wayne, Mich. Shock absorber. 1,859,995; May 24.
Shell, Marie. (See Colella, Louis A., assignor.)
Shell Oil Company. (See Gilbert, Walton, assignor.)
Shell Oil Company. (See Winterburn, Read, assignor.)
Shell Petroleum Corporation. (See Carney, Samuel C., assignor.)
Shell Petroleum Corporation. (See Clinkscales, J. W., jr., and Cutting, assignors.)
Shell Petroleum Corporation. (See Davenport, E. L., and Jackson, assignors.)
Shell Petroleum Corporation. (See McConnell, Glenver, assignor.)
Shellabarger Grain Products Company. (See Shellabarger, William J., assignor.)
Shellabarger, William L., assignor to Shellabarger Grain Products Company, Decatur, Ill. Manufacturing soy bean flour. 1,867,541; July 12.
Shellastic, Inc. (See Cholerton, Charles, assignor.)
Shellens, Eugene L., Point Claire, Quebec, Canada, assignor to Franklin Railway Supply Company. Power amplifying machine. 1,846,362; Feb. 23.
Shellman, Charles B., Washington, D. C. Ice cutting machine. 1,888,938; Nov. 22.
Shelters, Hiram H., Detroit, Mich. Caliper or divider. 1,858,116; May 10.
Shelton, Donald D., Portland, Oreg. Retort. 1,839,443; Jan. 5.
Shelton, Harry J., University City, Mo. Rotary pivoted hammer. 1,850,244; Mar. 22.
Shelton, Jack. (See Roberts, A., and Shelton.)
Shelton, James T., Pittsburgh, Pa., assignor to National Tube Company. Pipe coupling screwing machine. 1,850,479; Mar. 22.
Shelton-Jancke Corporation. (See Jancke, Benno F., assignor.)
Shelton-Jancke Corporation. (See Jancke, B. F., Korf, and Zentler, assignors.)
Shelton-Jancke Corporation. (See Shelton, William G., assignor.)
Shelton, Maurice C., Indianapolis, assignor to W. F. Bossert, Liberty, Ind. Reenforcement for concrete and the like. 1,878,992; Sept. 20.
Shelton, Thomas R., assignor of one-half to C. A. Doyle, San Francisco, Calif. Sizing material. 1,867,234; July 12.
Shelton, William G., St. Louis, Mo. Hair waving device. 1,848,205; Mar. 8.
Shelton, William G., St. Louis, Mo. Hair waving apparatus. 1,850,777; Mar. 22.
Shelton, William G., St. Louis, Mo. Vibrator or like mechanism. 1,857,982; May 10.
Shelton, William G., St. Louis, Mo. Hair curling apparatus and method. 1,884,205; Oct. 25.
Shelton, William G., St. Louis, Mo. Hair waving device. 1,884,306; Oct. 25.
Shelton, William G., St. Louis, Mo. Timing device. 1,888,809; Nov. 22.
Shelton, William G., St. Louis, Mo., assignor to Shelton-Jancke Corporation. Hair waving machine. Heater for permanent wave machines. 1,883,828; Oct. 18.
Shen Manufacturing Company. (See Warager, Leonard C., assignor.)
Shenango-Penn Mold Company. (See Ream, H. S., and Hein, assignors.)
Shenaman, Florence. (See Sheneman, Loyd L., assignor.)
Sheneman, Loyd L., Michigan City, assignor to F. Sheneman, Bluffton, Ind. Electrical top. 1,856,514; May 3.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Pack for fragile articles. Des. 86,061; Jan. 19.
Shepard, Ernest L., assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Pack for fragile articles. Des. 86,062; Jan. 19.
Shepard, Ernest L., Fairfield, Me., assignor to Keyes Fibre Company, New Rochelle, N. Y. Pack for fragile articles. Des. 86,483; Mar. 8.
Shepard, Ernest L., Fairfield, and J. G. Haskell, Bath, assignors, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Me. Molded pulp article. 1,848,066; Mar. 1.
Shepard, Everett H., and J. S. Culp, assignors to G. M. Holley, Detroit, Mich. Accelerating means for automotive carburetors. 1,840,471; Jan. 12.
Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Locomotive control system. 1,870,469; Aug. 9.
Shepard, Francis H., jr., Yonkers, N. Y. Hydraulic transmission mechanism. 1,870,824; Aug. 9.
Shepard, James H., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Petroleum liver fuel. 1,853,465; Apr. 12.
Shepard, Oscar F., Cincinnati, Ohio. Motor control. 1,890,754; Dec. 13.
Shepard, Ralph H., Bronxville, N. Y. Structural toy train and the like. 1,845,201; Feb. 16.
Shepardson, Lionel W., Toledo, Ohio. Advertising fixture. 1,845,348; Feb. 16.
Sheperd, Edward S., deceased. Vincennes, Ind., by Lela E. Sheperd, administratrix, Vincennes, assignor to A. D. Stewart, St. Joseph, Mo., Building board. 1,891,732; Dec. 20.
Shepherd, Frank. (See Monroe, S. G., and Shepherd.)
Shepherd, Frank, Akron, Ohio. Traffic light. 1,850,897; Mar. 22.
Sheperd, Lela, administratrix. (See Sheperd, Edward S.)
Shepherd, Allan T., and D. E. Sergeant, Richmond, Va. Apparatus for recovering heat from waste water. 1,889,156; Nov. 29.
Shepherd, Francis J., and F. F. Renwick, London, England, assignors to Ilford Limited, Ilford, England. Photographic printing process. 1,891,784; Dec. 20.
Shepherd, Harold F. (See Gehres, H. A., and Shepherd.)
Shepherd, Howard F., Los Angeles, Calif. Scooter. 1,890,755; Dec. 13.
Shepherd, John E., and J. R. Price, Charlottesville, Va.; said Price assignor to said Shepherd. Starting device for internal combustion engines. 1,841,643; Jan. 19.
Shepherd, Robert C. (See Mitchell, H. L., and Shepherd.)
Shepherd, Winfred P., Pasadena, Calif. Door holder. 1,839,506; Jan. 5.
Shepherd, Winfred P., Pasadena, Calif. Packed box accumulator. 1,856,733; May 3.
Shepherdson, Arnold, et al. (See Davidson, A., Hailwood, Henesey, and Shepherdson.)
Shepherdson, Arnold. (See Hailwood, A. J., Naunton, and Shepherdson.)
Shepherdson, Arnold. (See Hailwood, A. J., Shepherdson, and Stewart.)
Shepherdson, Arnold, Blackley, Manchester, England, assignor to British Dyestuffs Corporation Limited. Manufacture of anthraquinone derivatives. 1,873,344; Aug. 23.
Shepherdson, Arnold, Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of anthraquinone derivatives. 1,873,345; Aug. 23.
Shepherdson, Arnold, and S. Thornley, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture and use of vat dyes of the benzanthrone series. 1,848,227; Mar. 8.
Shepherdson, Arnold, and S. Thornley, Blackley, assignors to British Dyestuffs Corporation Limited, Manchester, England. Making black and gray vat dyes and the products thereof. 1,848,228; Mar. 8.
Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Operating mechanism for metal-cutting shears. 1,844,107; Feb. 9.
Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Controlling the shearing of moving material. 1,850,519; Mar. 22.

Sheperdson, John W., and F. P. Dahlstrom, assignors to Morgan Construction Company, Worcester, Mass. Controlling the shearing of metal bars while in motion. 1,861,554; June 7.

Sheperdson, John W., and F. P. Dahlstrom, assignors to Morgan Construction Company, Worcester, Mass. Controlling the shearing of metal bars while in motion. 1,861,555; June 7.

Sheppard, Henry B., Derby, England. Pumping lubricants. 1,862,164; June 7.

Sheppard, Henry B., Derby, England. Hydraulic cartridge for use in mining, quarrying and like operations. 1,863,286; June 14.

Sheppard, Samuel, and O. Banker, Mankato, Minn. Cultivator. 1,851,650; Mar. 29.

Sheppard, Samuel E., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate. 1,878,988; Sept. 20.

Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Precipitating cellulose acetate. 1,844,717; Feb. 9.

Sheppard, Samuel E., and C. L. Beal, Rochester, N. Y., assignors, by mesne assignments, to American Anode, Inc. Electrodeposition of organic material. 1,855,809; Apr. 26.

Sheppard, Samuel E., and H. J. Dietz, assignors to Eastman Kodak Company, Rochester, N. Y. Ultra-violet sensitive layer. 1,880,503; Oct. 4.

Sherbondy, Ray H. (See Sherbondy, Roy H., and R. E.)

Sherbondy, Roy H., and R. E. Sherbondy, Akron, Ohio. Lawn sprinkler. Des. 87,648; Aug. 23.

Sherburne, Charles H. (See Bridgham, Arthur L., assignor.)

Sherer-Gillett Company. (See Lenhart, William F., assignor.)

Sherer, Raymond R., Dayton, Ohio. Computing scale. 1,855,928; Apr. 26.

Sherick, Chester D. (See Sherick, Willis H., assignor.)

Sherick, Willis H., Philadelphia, assignor to C. D. Sherick, Washington Borough, Pa. Combination house number and mail chute. 1,863,526; June 14.

Sheridan, Patrick B., Detroit, Mich. Elevated railway system. 1,864,323; June 21.

Sheridan Iron Works, The. (See Bredenberg, Alfred, assignor.)

Sheridan, John J., Philadelphia, Pa. Cabinet. Des. 86,582; Mar. 22.

Sheridan, Miles M. Copper Cliff, Ontario, Canada. Converter hood. 1,866,824; July 12.

Sheridan, T. W. & C. B., Company. (See Bredenberg, Alfred, assignor.)

Sheridan, T. W., & C. B., Company. (See Clark, Le Grand L., assignor.)

Sheridan, T. W. & C. B., Company. (See Sleb, Henry, assignor.)

Sheridan, T. W. and C. B., Company. (See Seiter, Eugene R., assignor.)

Sheridan, T. W., & C. B., Company. (See Schmidt, William C., assignor.)

Sherin, David E. (See Meeaney, Philip E., assignor.)

Sherman, Alvin G., assignor to The Detroit Vapor Stove Company, Detroit, Mich. Combined manifold cover and burner box. Des. 86,484; Mar. 8.

Sherman, Alvin G., Grosse Pointe, Mich. Ice cube forming and dispensing device. 1,857,122; May 3.

Sherman, Alvin G., assignor to The Detroit Vapor Stove Company, Detroit, Mich. Stove structure. 1,858,310; May 17.

Sherman, August C., M. B. Grant, and H. F. Hedderick, St. Louis, Mo., assignors to Westinghouse Electric and Manufacturing Company. Cage making machine. 1,871,751; Aug. 16.

Sherman, Clarence S. (See Richardson, R. W., and Sherman.)

Sherman, Clifton W., Hamilton, Ontario, Canada. Shock absorber. 1,877,998; Sept. 20.

Sherman, Clifton W., Hamilton, Ontario, Canada. Shock absorber for draft gears. 1,877,999; Sept. 20.

Sherman, Clifton W., Hamilton, Ontario, Canada. Car truck. 1,879,549; Sept. 27.

Sherman, Clifton W., Hamilton, Ontario, Canada, assignor to Adirondack Steel Foundries Corporation, Watervliet, N. Y. Car truck bolster. 1,873,055; Aug. 23.

Sherman, Cortis F., Hartford, Conn. Punch press. 1,850,451; Oct. 18.

Sherman, Elroy P., assignor to The Ashtabula Corrugated Box Company, Ashtabula, Ohio. Display carton. 1,845,564; Feb. 16.

Sherman, Elroy P., assignor to The Ashtabula Corrugated Box Company, Ashtabula, Ohio. Carton. 1,857,033; May 3.

Sherman, Elroy P., assignor to The Ashtabula Corrugated Box Company, Ashtabula, Ohio. Shipping carton. 1,859,951; Dec. 13.

Sherman, Francis H., Palmer, Mass. Egg case. 1,882,524; Oct. 11.

Sherman, Fred A., Ashland, Nebr. Beet topper. 1,886,843; Nov. 8.

Sherman, George, Newton, assignor to Sherman Paper Products Corporation, South Boston, Mass. Paper container. Des. 87,562; July 12.

Sherman, Harry E., Alton, assignor to The Equitable Powder Manufacturing Company, East Alton, Ill. Railway torpedo. 1,861,724; June 7.

Sherman, Henry W. (See Gosch, W. H., and Sherman.)

Sherman, Jacob S., assignor to Universal Lamp Company, Chicago, Ill. Smoker's ash receiver. Des. 86,096; Jan. 26.

Sherman, James M., Ithaca, assignor to The Wilbur White Chemical Company, Oswego, N. Y. Propionic acid fermentation by the use of mixed strains of propionic-bacteria. 1,865,146; June 28.

Sherman, John C., (See Burke, E., and Sherman.)

Sherman, John C., Gorham, Me. Razor. 1,849,250; Mar. 15.

Sherman, John C., Gorham, Me. Razor and package of blades. 1,849,251; Mar. 15.

Sherman, John C., Gorham, Me., assignor to Brown Company, Berlin, N. H. Manufacture of rovings, yarns, twines and the like. 1,880,056; Sept. 27.

Sherman, John C., Gorham, Me., assignor to Brown Company, Berlin, N. H. Method of and machine for making paper. 1,880,057; Sept. 27.

Sherman, John C., Gorham, Me., assignor to Brown Company, Berlin, N. H. Paper towel package. 1,883,008; Oct. 18.

Sherman, John C., Gorham, Me., assignor to Brown Company, Berlin, N. H. Manufacture of pulp rovings. 1,887,959; Nov. 15.

Sherman, John Q. (See Carroll, William M., assignor.)

Sherman, John Q., Dayton, Ohio. Autographic desk register. 1,842,632; Jan. 26.

Sherman, John Q., Dayton, Ohio. Automatic time switch. 1,850,421; Mar. 22.

Sherman, John Q., Dayton, Ohio. Drawer release mechanism. 1,856,971; May 3.

Sherman, John Q., Dayton, Ohio. Toy. 1,860,627; May 31.

Sherman, John Q., Dayton, Ohio. Manifolding material. 1,861,097; June 21.

Sherman, John Q., Dayton, Ohio. Autographic register. 1,884,307; Oct. 25.

Sherman, John Q., Dayton, Ohio. Separator for manifolding material. 1,884,308; Oct. 25.

Sherman, John Q., Dayton, Ohio. Air cooling apparatus. 1,886,626; Dec. 13.

Sherman, John Q., Dayton, Ohio. Air cooling apparatus. 1,890,888; Dec. 13.

Sherman, John Q., and A. W. Metzner, Dayton, Ohio, assignors to The Standard Register Company. Cash drawer manifolder. 1,852,483; Apr. 5.

Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Paper folding machine. 1,856,972; May 3.

Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Duplicating material. 1,865,708; July 5.

Sherman, Leverett B., Minneapolis, Minn., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Road working machine. 1,879,194; Aug. 30.

Sherman, Maybel T., administratrix. (See Sherman, Ozro G.)

Sherman, Oscar L., Medford, and A. Bourgeois, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Rounding and channeling machine. 1,861,822; June 7.

Sherman, Ozro G., deceased, by F. Mashek, assignee, Chicago, Ill. Buckle. Re18,549; Aug. 2.

Sherman, Ozro G., deceased, by Maybel T. Sherman, administratrix, assignor to Frank Mashek, Chicago, Ill. Buckle. 1,883,009; Oct. 18.

Sherman Paper Products Corporation. (See Sherman, George, assignor.)

Sherman Products Corporation. (See Williams, Charles F., assignor.)

Sherman, Ralliston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Vapor burner. 1,839,444; Jan. 5.

Sherman, Ralliston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 1,848,206; Mar. 8.

Sherman, Ralliston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 1,848,207; Mar. 8.

Sherman, William F., Pueblo, Colo. Synchronizing double contact arms of distributors. 1,846,153; Feb. 23.

Shern, John A. (See Harvey, B. C., and Shern.)

Sherndal, Alfred E. (See Greenburg, L., and Sherndal.)

Sherr, Max. (See Cramer, J. and Sherr.)

Sherrerd, Francis H., East Orange, N. J., and A. M. Brosius, White Plains, N. Y. Joint for pressure pipes. 1,847,676; Mar. 1.

Sherrick, Jacob L., Scottdale, Pa. Duplicator. 1,878,897; Sept. 20.

Sherrick, Samuel T., assignor of forty-nine one hundredths to C. Diehl, Denver, Colo. Insulating composition. 1,888,437; Nov. 22.

Sherrill, Elmer, Santa Ana, Calif. Determination of potassium. 1,849,960; Mar. 15.

Sherry, Michael J., Utica, N. Y. Trellis for building construction. 1,851,432; Mar. 29.

Sherts, James H., Brackenridge, Pa., assignor to Duplate Corporation. Making composite glass. 1,870,693; Aug. 9.

Sherts, James H., Brackenridge, Pa., assignor to Duplate Corporation. Severing composite glass. 1,887,564; Nov. 15.

Sherts, James H., Brackenridge, Pa., assignor to Duplate Corporation. Making composite glass. 1,837,565; Nov. 15.

Sherts, James H., Glen Ridge, N. J., assignor to Duplate Corporation. Apparatus for making composite glass. 1,878,899; Sept. 20.

Shertzer, Leavitt A., Massillon, assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Wire coiling and forming machine. 1,864,032; June 21.

Sherwell Controls, Inc. (See Didinger, George H., assignor.)

Sherwell Controls, Inc. (See Stedwall, George W., assignor.)

Sherwen, Joseph W., Erith, England. Apparatus for vibrating screens, shaking tables, and other apparatus. 1,864,867; June 28.

Sherwin-Williams Company, The. (See Holton, Edward L., assignor.)

Sherwin-Williams Company, The. (See Lang, F. H., and Van Stone, assignors.)

Sherwood, Carlyle J., assignor to Coen Company, Inc., Los Angeles, Calif. Fuel burner. 1,834,894; Oct. 25.

Sherwood, Carroll P., Camden, N. J. Flow meter 1,889,705; Nov. 29.

Sherwood, Charles T., Detroit, Mich., assignor to The Moraine Products Company, Dayton, Ohio. Making copper powder. 1,856,661; May 3.

Sherwood, Charles W., Highland Park, Mich., assignor to Sherwood Patents, Ltd. Porous metal and forming the same. 1,873,223; Aug. 23.

Sherwood, Glenn L., Chef Park, assignor to Western Foundation Company, Chicago, Ill. Method and apparatus for forming piles. 1,883,010; Oct. 18.

Sherwood, Horace K. T., and J. G. Moore, Albany, N. Y. Display cabinet. 1,891,580; Dec. 20.

Sherwood, Horace K. T., and J. G. Moore, Albany, N. Y. Display cabinet. 1,891,581; Dec. 20.

Sherwood, Lester L., Los Angeles, Calif. Key container. 1,877,336; Mar. 10.

Sherwood Patents Limited. (See Sherwood, Charles F., assignor.)

Sherwood, Philip H., Norwalk, Conn. Funeral marker for automobiles. 1,861,366; May 31.

Sherwood, Robert H., Indianapolis, and W. H. Stewart, Linton, assignors to Allendale Manufacturing Company, Inc., Indianapolis, Ind. Surface mining. 1,872,016; Aug. 16.

Sherwood, Walter, Bolivar, N. Y. Sectional portable step. 1,873,996; Sept. 27.

Sherwood, Walter N., North Hoosick, N. Y. Method of and apparatus for beating paper pulp. 1,863,808; June 21.

Shestakoff, Peter, Paris, France. Preparing solid or half solid solutions of alkaline hypochlorites. 1,868,151; July 19.

Shetler, Fred H., Canton, Ohio. Crossing gate. 1,853,934; Apr. 12.

Shewmon, Dan D., Dunellen, N. J., and W. Schroeder, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for securing inclosure elements on containers. 1,886,911; Oct. 18.

Shibuya, Shinzaburo. (See Oki, Shin-Ichi, assignor.)

Shickluna, Joseph J. (See Hood, R. A., and Shickluna.)

Shida, Fumio, Kawanishi-Cho, Kawabe-Gun, Hyogo-Ken, Japan. Vibrator. 1,856,791; May 3.

Shidler, Albert L., et al. (See Shidler, Theodore W., assignor.)

Shidler, Theodore W., Wichita, Kans., assignor to A. L. Shidler and H. H. Mootz, Sioux City, Iowa. Extensible automobile trunk. 1,847,103; Mar. 1.

Shield, Lasing F., Hackensack, N. J. Store front. 1,853,582; Apr. 12.

Shield, Paul S., assignor to Augustine Davis, jr., Cincinnati, Ohio. Safety tank valve mechanism. 1,845,817; Feb. 16.

Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Vehicle tank. 1,846,618; Feb. 23.

Shield, William C., Crockett, Calif. Vacuum regulator. 1,849,252; Mar. 15.

Shields, Alexander F., Mount Sterling, Ky. Tobacco press. 1,873,550; Sept. 27.

Shields, Andrew G., Attleboro, Mass. Toilet accessories container. Des. 87,028; May 24.

Shields, Andrew G., Attleboro, Mass. Cosmetic container. 1,860,694; May 31.

Shields, Archibald. (See Shields, John W. and Archibald.)

Shields, Curtis W., New York, N. Y. Food cooker. 1,865,971; July 5.

Shields, George F., assignor of one-half to J. P. Berne, Los Angeles, Calif. Sponge handle. 1,833,238; Apr. 12.

Shields, Jesse W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vibration insulator. 1,880,504; Oct. 4.

Shields, John M., assignor to F. H. Noble & Company, Chicago, Ill. Jewelry box. 1,863,937; June 21.

Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Box for holding and displaying pens or pencils or other articles. 1,883,012; Oct. 18.

Shields, John W., Bridgeport, Conn., and A. Shields, Brooklyn, N. Y. Typographical magazine. 1,856,515; May 3.

Shields, John W., assignor to F. O. Weber, Evansville, Ind. Hardware for revolving doors. 1,886,502; Nov. 8.

Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspenders. Des. 86,811; Apr. 19.

Shields, Patrick W., Pittsburgh, Pa. Typewriter. 1,855,845; Apr. 26.

Shields, Peter. (See Hart, Charles, assignor.)

Shields, Ross, Ipava, Ill. Vanity case. 1,845,006; Feb. 16.

Shierk, Dearell D., assignor to M. L. Hamilton, Portland, Oreg. Universal joint. 1,887,106; Nov. 8.

Shiffler, William H. (See Sullivan, R. A., and Shiffler.)

Shiffler, William H., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Treating metallic halide residue. 1,865,767; July 5.

Shiffler, William H., and W. P. Anderson, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Producing aluminum chloride. 1,887,566; Nov. 15.

Shiffler, William H., M. M. Holm, and M. F. Miller, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Treating oils. 1,869,781; Aug. 2.

Shifman Bros. (See Shifman, Milton L., assignor.)

Shifman, Milton L., East Orange, assignor to Shifman Bros., Newark, N. J. Mattress making machinery. 1,891,018; Dec. 13.

Shilliman, Albert H., Baltimore, Md. Art needle work. 1,887,364; Nov. 8.

Shimer, Calvin J., Fort Wayne, Ind., assignor to The Boss Manufacturing Company, Kewanee, Ill. Glove machine. 1,855,846; Apr. 26.

Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Pump liner holding device. 1,860,484; May 31.

Shimer, John M., Wilkinsburg, Pa., assignor to Wilson-Snyder Manufacturing Company. Driving mechanism. 1,862,807; June 14.

Shimmin, John T., Tonopah, Nev., assignor to The Dorr Company, Inc., New York, N. Y. Apparatus for separating solids from liquids or liquors by filtration. Reld. 8,597; Sept. 13.

Shimmin, John T., Tonopah, Nev., assignor to The Dorr Company, Inc., New York, N. Y. Apparatus for separating solids from liquids or liquors by filtration. Reld. 8,598; Sept. 13.

Shimmin, John T., Tonopah, Nev., assignor to The Dorr Company, Inc., New York, N. Y. Multiplex filter. 1,873,887; Aug. 9.

Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Elbow fitting for respirators. Des. 88,683; Dec. 13.

Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Adjustable band connecter. 1,876,770; Sept. 13.

Shinkle, Edward M., Higginsport, Ohio. Stop for rotating parts. 1,849,727; Mar. 15.

Shinkle, Edward M., Higginsport, Ohio. Stop for rotating parts. 1,857,808; May 10.

Shinn, Byron H., assignor to Shinn Devices Corporation. Washington, Pa. Refueling equipment. 1,866,942; July 12.

Shinn Devices Corporation. (See Shinn, Byron H., assignor.)

Shinn, Edward, Harrison, N. J. Vertical foundation boring machine. 1,883,013; Oct. 18.

Shinn, Edward T., Harrison, N. J. Boring machine. 1,855,999; Apr. 26.

Shinn, Joseph F., Hackensack, N. J. Safety device for elevators. 1,867,991; July 19.

Shiomi, Tsutomu, Yebara-Cho, Yebara-Gun, and S. Higuchi, Omori-Machi, Yebara-Gun, Tokyo Prefecture, assignors to Furukawa Denki Kogyo Kabushiki Kaisha, Tokyo, Japan. Manufacturing storage battery plates. 1,883,014; Oct. 18.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,840,535; Jan. 12.

Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,840,639; Jan. 12.

Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,840,640; Jan. 12.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,845,990; Feb. 9.

Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,865,147; June 28.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,865,647; July 5.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,874,368; Aug. 30.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Voucher severing and stacking means. 1,874,816; Aug. 30.

Shipley, Bernis M., and E. E. Holt, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 1,870,073; 1,881,379; Oct. 4.

Shipley, Grant B., Pittsburgh, Pa., assignor to The Wood Preserving Corporation. Manufacture of wooden shims. 1,870,656; Aug. 9.

Shipley, Manly H., Rockford, Ill. Steering wheel handle. 1,861,586; June 7.

Shipley, Marion R., Hermosa Beach. W. A. and O. C. Trout, assignors, by mesne assignments, to Los Angeles Manufacturing Company, Inc., Los Angeles, Calif. Stovepipe casing. 1,881,379; Oct. 4.

Shipley, Roy A., Canton, Ohio, assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Conveyer. 1,860,483; May 31.

Shipley, Sylvanus C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Step-by-step proportional control. 1,883,015; Oct. 18.

Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,866,989; July 12.

Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,866,990; July 12.

Shipman, Bennet C., San Mateo, Calif. Refrigerating system. 1,885,017; Oct. 25.

Shipman, Charles O., Brea, Calif. Pitman counterbalance. 1,848,669; Mar. 8

Shipman, Emanuel F., Philadelphia, Pa. Solder catch pan. 1,884,872; Feb. 9.

Shipman, Frank W., Trenton, Mo. Suspender. 1,852,030; Apr. 5.

Shipman, Frederic, San Francisco, Calif. Sign front. 1,851,216; Mar. 29.

Shipman, Frederic, Los Angeles, Calif. Changeable sign front. 1,857,882; May 10.

Shipp, Raymond D., Indianapolis, Ind., assignor, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Storage battery. 1,892,288; Dec. 27.

Shippee, Carl C. (See Shippee, Winsor and C. C.)

Shippee, Winsor and C. C., Red Bank, N. J. Aerial toy. 1,867,714; July 19.

Shippy, Leo C., assignor to Delco-Remy Corporation, Anderson, Ind. Electric switch. 1,855,097; Apr. 12.

Shippy, Leo C., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for dividing metal. 1,861,758; June 7.

Shippy, Leo C., and A. W. Phelps, assignors to Delco-Remy Corporation, Anderson, Ind. Automatic lathe. 1,873,187; Aug. 23.

Shippy, Leo C., and J. Q. Holmes, assignors to Delco-Remy Corporation, Anderson, Ind. Cam grinding fixture. 1,873,224; Aug. 23.

Shippy, Leo C., Anderson, and L. C. Goad, Muncie, assignors to Delco-Remy Corporation, Anderson, Ind. Grinding apparatus. 1,883,016; Oct. 18.

Shipp, Leo, and R. W. Baker, Anderson, Ind., assignors to Delco-Remy Corpotation, Dayton, Ohio. Machine for surfacing the rubbing blocks of the circuit breaker levers of ignition timers. 1,884,309; Oct. 25.

Shipwash, Arthur W. (See Prillaman, J. M., and Shipwash.)

Shiraishi, Tsuneji, Tatsuta Mura, Inben Gun, Miye Ken, Japan. Manufacturing colloidal carbonate of alkali earths. 1,863,945; June 21.

Shiraishi, Yoshiro, Fuse Funa, K., and Shiraishi.)

Shirley, Herman V., and H. P. Scanlon, Long Beach, Calif. Spooling device. 1,856,140; May 3.

Shirley, Roswell R., Rockford, Ill. Feed manger. 1,861,065; Oct. 4.

Shirley, Walter L., Indianapolis, Ind. Fender mounting flag. 1,876,351; Sept. 6.

Shisler, Carold O. (See Mitchell, G. W., Shisler, and Myers.)

Shisler, George M., Bainbridge, assignor, by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Adhesive material containing casein. 1,886,750; Nov. 8.

Shivek, Bernard, Dorchester, assignor to S. Werlin, Malden, and M. B. White, Chelsea, Mass. Ice cream cone. Des. 86,143; Feb. 2.

Shively, Asa A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for applying gum strips to beads. 1,890,952; Dec. 13.

Shively, John J., Brookville, Pa. Diaphragm packing. 1,850,571; Mar. 22.

Shivers, Paul F., Wabash, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stack thermostat. 1,847,035; Feb. 23.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stack thermostat. 1,847,038; Feb. 23.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap action valve. 1,862,373; June 7.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure regulator for hot water heating systems. 1,875,509; Sept. 6.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Float switch. 1,875,510; Sept. 6.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Snap action modulating valve. 1,875,511; Sept. 6.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure affected circuit controller. 1,875,669; Sept. 6.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Opposed motor control system. 1,877,605; Sept. 13.

Shlaifer, David. (See Millo, Ernest S., assignor.)

Shlaifer, David. (See Scognamillo, S., and Arndt.)

Shlesinger, William H., Brooklyn, N. Y. Lamp. Des. 86,865; Apr. 26.

Shmyroff, Andrew. (See Dill, J., and Shmyroff.)

Shmyroff, Andrew, De Gardens, Jr. Dill, Woodside, and E. Van Hoofstadt, Brooklyn, assignors to Lion Match Co., Inc., New York, N. Y. Match making machine. 1,880,111; Sept. 27.

Shmyroff, Andrew, Kew Gardens, J. Dill, Woodside, and E. Van Hoofstadt, Brooklyn, assignors to Lion Match Co., Inc., New York, N. Y. Transporting mechanism for book match making machines. 1,880,112; Sept. 27.

Shoaf, Russell E., Columbus, Ohio. Chapel tent frame truss. 1,840,745; Jan. 12.

Shock, Frank J. (See Frank, F. J., and Shock.)

Shockey, H. H. (See Embly, James L., assignor.)

Shockey, Harry K., San Diego, Calif. Machine for reclaiming worn brake drums. 1,886,503; Nov. 8.

Shockley, Ira S., College View Station, Nebr. One belt laundry washer. 1,855,995; Apr. 26.

Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Tile flooring. 1,874,644; Aug. 30.

Shoe Form Co. (See De Witt, William J., assignor.)

Shoe Hardware Company, The. (See Dalton, Daniel F., assignor.)

Shoe Hardware Company, The. (See Gay, Gilman M., assignor.)

Shoe Hardware Company, The. (See Rutherford, Eugene W., assignor.)

Shoe Lace Company. (See Matson, Carl A., assignor.)

Shoeld, Mark, Mt. Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company. Sulphur recovery and purification. 1,841,644; Jan. 19.

Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company. Gas purification. 1,844,694; Feb. 9.

Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company. Sulphur purification. 1,851,411; Mar. 29.

Shoeld, Mark, Mt. Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Method and apparatus for the manufacture of concentrated ammonia liquor. 1,872,829; Aug. 23.

Shoeld, Mark, Mount Lebanon, Pa., assignor to The Koppers Company of Delaware. Process for treating coke or more volatile constituents from a liquid or gas. 1,878,607; Sept. 20.

Shoemaker, Alvin H., Seattle, Wash. Tire. Des. 87,649; Aug. 23.

Shoemaker, Alvin H., Seattle, Wash. Pneumatic tire and rim construction. 1,875,893; Sept. 6.

Shoemaker, Alvin H., Seattle, Wash. Pneumatic tire and wheel. 1,885,484; Nov. 1.

Shoemaker, Alvin H., Seattle, Wash. Expanding core and mold for pneumatic tires. 1,890,133; Dec. 6.

Shoemaker, Bernard M., assignor to Wm. Demuth & Co., New York, N. Y. Tobacco pipe. 1,861,457; June 7.

Shoemaker, Edward J., Canton, Ohio. Faucet. 1,886,058; Nov. 1.

Shoemaker, Emanuel J., assignor to The L. McBrine Company, Limited, Kitchener, Ontario, Canada. Hand luggage. 1,878,989; Sept. 20.

Shoemaker, Fred G., and J. J. Rose, Dayton, Ohio. Electrical circuit interrupter. 1,866,402; July 5.

Shoemaker, Harry, Jersey City, N. J., assignor, by mesne assignments, to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrode elements for rectifiers and manufacturing the same. 1,870,425; Aug. 9.

Shoemaker, Harry C., Freeport, Ill. Line boring machine. 1,885,773; Nov. 1.

Shoemaker, Hervy R., assignor to General Motors Corporation, Detroit, Mich. Differential oil dipper. 1,843,070; Jan. 26.

Shoemaker, James M., Washington, D. C. Internal combustion engine. 1,879,551; Sept. 27.

Shoemaker, Jeremiah J. (See Wilcox, C. G., and Shoemaker.)

Shoemaker, John E., et al. (See Burger, Clarence W., assignor.)

Shoemaker, Joseph J. (See Matthews, G. A., and Shoemaker.)

Shoemaker, Joseph J., Clawson, Mich. Protective means for buried cables. 1,874,369; Aug. 30.

Shoemaker, Joseph J., Clawson, Mich. Exercising apparatus. 1,890,699; Dec. 13.

Shoemaker, Milton J., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Bottle cap. 1,877,606; Sept. 13.

Shoemaker, Raymond B., New York, N. Y. Hanger. 1,889,112; Nov. 29.

Shoemaker, Samuel M. (See Egli, H., and Shoemaker.)

Shoemaker, William D. (See Young, Frank L., assignor.)

Shoenberg, Milton H., San Francisco, assignor, by mesne assignments, to A. F. Mundy, Los Angeles, Calif. Electrical clock system. 1,847,313; Mar. 1.

Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit interrupter. 1,858,657; May 17.

Shofer, Marc R., Minneapolis, Minn., assignor to Iowa Fiber Box Company, Keokuk, Iowa. Can separator for shipping containers. 1,858,537; May 24.

Shoffner, John R., Tinbilla. Automatic adjusting device for tapered roller bearings. 1,854,276; Apr. 19.

Sholking, Arcady N., Manila, P. I. Engine. 1,840,919; Jan. 12.

Sholtes, Stephen, Chicago, Ill. Refrigerating and ventilating system. 1,858,242; Nov. 22.

Sholtz, Richard J., assignor of one-third to C. M. Hardenbergh and one-third to E. M. Racz, Kansas City, Mo. Material weighing and control apparatus. 1,883,017; Oct. 18.

Shomaker, Wesley P. (See Jones, M. O., and Shomaker.)

Shomaker, Wesley P., Richmond, Va. Perforator. 1,887,331; Nov. 8.

Shondell, Howard, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Winding machine. 1,876,771; Sept. 13.

Shonkwiler, Albert H. (See Shanafelt, D. M., Nisbet, and Shonkwiler.)

Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Substituted malonic ester. 1,842,293; Jan. 19.

Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Anhydrous-alkali-metal salts of 5,5-di-alpliatic-substituted barbituric acids and producing them. 1,856,792; May 3.

Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Ethanol-amine salts of theophylline and making them. 1,867,332; July 12.

Shonnard, Harold W. (See Valtier, Ralph P., assignor.)

Shonnard, Harold W., Montclair, N. J. Escalator hand rail. 1,868,771; July 26.

Shonnard, Harold W., Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Electric door operator. 1,863,417; June 14.

Shonnard, Harold W., Montclair, N. J., and H. F. Richardson, Northport, N. Y., assignors to Elevator Supplies Company, Inc., Hoboken, N. J. Electrical door operating device. 1,842,506; Jan. 26.

Shontz, Harry W., Minnekoteka, assignor of one-third to R. S. Murray and one-third to C. J. Rutenbeck, Lost Nation, Iowa. Door locking device. 1,858,154; Nov. 15.

Shook, Carl L., Kelseyville, Calif. Safety belt. 1,869,947; Aug. 2.

Shook, Charles H., Dayton, Ohio. Bolt anchoring device. 1,849,497; Mar. 8.

Shook, Emery A., Corning, Calif. Wrench. 1,874,817; Aug. 30.

Shook, Florain J. (See Heston, A. L., Shook, and Evans.)

Shook, Florain J. (See Wilson, G. F., and Shook.)

Shook, Florain J., assignor to National Rubber Machinery Company, Akron, Ohio. Tire band machine. 1,842,428; Jan. 26.

Shook, Florain J., assignor to National Rubber Machinery Company, Akron, Ohio. Tire building machine. 1,859,538; May 24.

Shook, Florain J., assignor to National Rubber Machinery Company, Akron, Ohio. Tire vulcanizer. 1,883,018; Oct. 18.

Shook, Florain J., Akron, and A. L. Heston, Columbiana, assignors, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Apparatus for manufacturing tires. 1,872,830; Aug. 23.

Shook, Florian J., Akron, Ohio, assignor to Selberling Rubber Company. Bias cutting and fabric stripping machine. 1,888,744; Nov. 22.

Shook, James F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Dustless rock drill. 1,859,422; Nov. 29.

Shoop, Gertrude, Shamokin, Pa. Heat exchange article. 1,877,068; Sept. 13.

Shope, James W., South Gate, Calif. Drop wire hanger. 1,889,113; Nov. 29.

Shopneck, Henry P. (See Fish, James, assignor.)

Shore, Albert E., New York, N. Y. View analyzer. 1,883,019; Oct. 18.

Shore Corporation. (See Shore, William E., assignor.)

Shore, William E., West New Brighton, N. Y. Rotary machine. 1,875,397; Sept. 6.

Shore, William E., West New Brighton, N. Y. Method and apparatus for nebulizing and burning fuel oil. 1,888,939; Nov. 22.

Shore, William E., West New Brighton, N. Y., assignor to Shore Corporation, Dover, Del. Rotary compressor. 1,848,257; Mar. 8.

Shore, William J., New York, N. Y. Wiring system. 1,840,536; Jan. 12.

Shores, Roy L., and J. Currie, Big Spring, Tex. Animal trap. 1,843,046; Jan. 26.

Short, Charles R. (See Mougey, H., and Short.)

Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Metal Working process. 1,840,641; Jan. 12.

Short, Charles R., Detroit, Mich., assignor to The Inland Manufacturing Company, Dayton, Ohio. Flexible connecter. 1,871,921; Aug. 16.

Short, Frank, Poughkeepsie, N. Y. Airplane landing gear. 1,844,186; Feb. 9.

Short, Frank, Newark, N. J. Mooring equipment. 1,861,983; June 7.

Short, Ira, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction gearing. 1,849,596; Mar. 15.

Short, Ira, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear casing. 1,861,941; June 7.

Short, Ira, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction gear casing. 1,862,512; June 7.

Short, Ira, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gearing. 1,874,713; Aug. 30.

Short, Ira, Essington, and J. Ormondroyd, Swarthmore, Pa., assignors to Westinghouse Electric and Manufacturing Company. Reduction gearing. 1,859,007; May 17.

Short, Ira, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear casing. 1,861,942; June 7.

Short, J. R., Milling Company. (See Haas, L. W., and Renner, assignors.)

Short, James, Camden, N. J. Clip for paper napkins. 1,864,281; June 21.

Shortell, William H., West Haven, Conn., assignor to Millers Falls Company, Millers Falls, Mass. Cutting tool. 1,855,873; Apr. 26.

Shorter, Sydney A. (See Nuttall, T., and Shorter.)

Shorter, Sydney A., assignor to The British Cotton Industry Research Association, Didsbury, Manchester, England. Insuring a constant or desired let-off tension for the warp in looms for weaving. 1,889,266; Nov. 29.

Shortland, Arthur. (See Bromley, T. C., and Shortland.)

Shotwell, Harold M. (See King, L. A., and Shotwell.)

Shoup, Clement W., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,850,035; Mar. 15.

Shoup, Samuel F. (See Stitt, Charles H., assignor.)

Shover, Barton R., Pittsburgh, Pa. Apparatus for rolling strip metal. 1,841,645; Jan. 19.

Shover, Barton R., Pittsburgh, Pa. Rolling strip metal. 1,887,248; Nov. 8.

Shover, Barton R., Pittsburgh, Pa., assignor to Allegheny Steel Company. Rolling mill. 1,891,955; Dec. 27.

Showers, Edward A., and L. A. Long, Dallas, Tex. Oil separator. 1,856,662; May 3.

Showers, George B., Brooklyn, N. Y. Attachment for tools. 1,877,699; Sept. 13.

Showers, Joseph R., Shelbyville, Ind. Cash drawer mechanism. 1,849,809; Mar. 15.

Showers, Lee, Charleston, assignor to Pittsburgh Plate Glass Company. Clay pouring apparatus. 1,885,774; Nov. 1.

Showmin, Ross, Rossford, Ohio. Valve mechanism. 1,874,818; Aug. 30.

Shrader, James E., Drexel Hill, Pa. Device for measuring and recording variations in three directions simultaneously. 1,869,828; Aug. 2.

Shrauger, Darius E., Atlantic, Iowa. Window screen. 1,843,498; Mar. 8.

Shrauger, Darius E., Atlantic, Iowa. Friction supporting means for screens and storm sashes. 1,858,602; May 17.

Shreiber, Bernard, assignor to Meyer Gendel, New York, N. Y. Oil pump. 1,886,751; Nov. 8.

Shreiner, Claude L. (See Smith, A. H., and Shreiner.)

Shriver, Charles, Massillon, Ohio. Pickling tank. 1,856,734; May 3.

Shriver, Harry F., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Tote box. 1,845,202; Feb. 16.

Shroesbree, Albert de B., Cold Ash, near Newbury, and B. A. R. Byskov, Barrowford, assignors to Byskan Glazing, Limited, Westminster, England. Glazed frame. 1,854,144; Apr. 12.

Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Chicago, Ill. Electric oven. 1,841,158; Jan. 12.

Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Chicago, Ill. Oven. 1,871,398; Aug. 9.

Shrum, Peter J., Monaca Heights, assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Pipe-end protector. 1,887,332; Nov. 8.

Shuck, Wayne L. (See Packard, S. M. and J. R., and Shuck.)

Shuey, George W., et al. (See Greenlee, Eli M., assignor.)

Shuey, Paul F., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Remote control system. 1,862,123; June 7.

Shuford, Hurndon F., La Grange, Ga. Loop selvage device. 1,864,675; June 28.

Shugrue, Charles F., Boston, Mass. Fastener for window shade pulls. 1,852,131; Apr. 5.

Shull, Daniel L., Long Beach, Calif. Perforator knife. 1,841,500; Jan. 19.

Shull, Daniel L., Bakersfield, Calif., assignor to Shull Perforating Company. Double casing perforator. 1,853,239; Apr. 12.

Shull, Frank T., Washington, D. C. Panel board construction. 1,878,335; Sept. 20.
Shull, Frank T., Washington, D. C. Panel board and cabinet therefor. 1,878,336; Sept. 20.
Shull Perforating Company. (See Shull, Daniel L., assignor.)
Shull, William G., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone receiver. 1,860,980; May 31.
Shultz, Albert B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Ball and socket joint. 1,883,020; Oct. 18.
Shultz, Samuel C., assignor of one-half to P. W. Howard, Chilhowee, Mo. Rural mail box stand. 1,848,387; Mar. 8.
Shumaker, Frederic C., and E. W. Gregory, Sanger, Calif. Apparatus for recording audible and visual effects of collisions. 1,852,484; Apr. 5.
Shumaker, Howard H. (See Hon, H., and Shumaker.)
Shuman, Arno, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Fan ventilator for corrugated glass structures. 1,841,911; Feb. 9.
Shuman, Arno, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Drainage for roofs and skylights. 1,865,401; June 28.
Shuman, Arno, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Manufacture of corrugated wire glass. 1,888,965; Nov. 22.
Shumann, Frank E. (See Cole, E. K., and Shumann.)
Shumard, Charles C., Moorestown, N. J., assignor to Radio Corporation of America. Centralized radio system. 1,853,181; Apr. 12.
Shur-Stop Company. (See Schlumpf, Walter, assignor.)
Shuron Optical Company. (See Dryden, Heien, assignor.)
Shuron Optical Company. (See Langknecht, Henry J., assignor.)
Shuron Optical Company. (See Langknecht, Henry L., jr., assignor.)
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating unit. Re18,374; Mar. 1.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating unit. 1,871,225; Aug. 9.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Concealed heating unit. 1,882,452; Oct. 11.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Air filter for heating and ventilating units. 1,887,737; Nov. 15.
Shuster, Noland V., Rutland, assignor of one-half to J. H. Barletta, Ohio. Oil and gas well plug. 1,843,497; Feb. 2.
Shute, Arthur C. (See Bergen, W. V., and Shute.)
Shuter, Arthur, Mass. Mass. Sewing machine attachment. 1,844,411; Feb. 9.
Sialco, Incorporated. (See Kraus, Charles E., assignor.)
Sibley, Alice E., Detroit, Mich. Sandwich tool. 1,848,030; Mar. 1.
Sibley, Charles R., Lake Mary, Fla., assignor to Sibley-Pym Corporation, Lynn, Mass. Golf ball. 1,857,518; May 10.
Sibley, Edward L., Bennington, Vt. Tubular fastener and blank. 1,845,524; Feb. 16.
Sibley, Edward W., Moorestown, assignor, by mesne assignments, to Remington-Rand Inc., New York, N. Y. Blank forming machine. 1,845,203; Feb. 16.
Sibley, Edward W., Moorestown, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Attachment for addressing machines. 1,865,974; July 5.
Sibley, Edward W., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Paper feed mechanism. 1,870,197; Aug. 2.
Sibley, John R. (See Moore, I. B., and Sibley.)
Sibley-Pym Corporation. (See Sibley, Charles R., assignor.)
Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber. 1,865,728; July 5.
Sibson, Walter W. and H. H. Wigglesworth, assignor to The Philadelphia Drying Process Company, Philadelphia, Pa. Automatic drying machine. 1,862,771; June 14.
Sicard, Hugh C. (See Turnbull, Robert, assignor.)
Sicault, Paul, assignor to Societe Anonyme Etablissements Tissier, Paris, France. Closure for collapsible tubes. 1,867,182; July 12.
Sichardt, Willy, Berlin-Steglitz, and C. Zemlin, Berlin-Pankow, assignors to Siemens-Bauunion G. m. b. H., Kommanditgesellschaft, Siemensstadt, near Berlin, Germany. Connecting solidified foundation soil to building structures and the structure produced thereby. 1,846,815; Feb. 23.
Siciliani, Joseph, Chicago, Ill. Container for candy or the like. 85,962; Jan. 5.
Sick, Georges, Lausanne, Switzerland. Heated massage device. 1,840,981; Jan. 12.
Sick, Georges, Lausanne, Switzerland. Electric sadiron. 1,851,528; Mar. 29.
Sicka, Louis T. (See Flanagan, V. E., and Sicka.)
Sicka, Louis T., Bonne Terre, Mo., and V. E. Flanagan, Fort Wayne, Ind. Apparatus for concentrating materials. 1,853,240; Apr. 12.
Sickel, Louis C. (See Ackerman, Michael H., assignor.)
Sickler, Lee F., Amesbury, and P. J. Linstrom, Medford, Mass. Metal bending press. 1,854,630; Apr. 19.
Sicklesteel, David W. (See Morley, H., Buchanan, and Sicklesteel.)
Sickmann, Carl. (See Sickmann, Hermann and C.)
Sickmann, Hermann and C., Chicago, Ill. Ash receiver. 1,863,998; June 21.
Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Waxing blanks. 1,892,083; Dec. 27.
Sidebottom, John W., assignor to T. C. Entwistle Company, Lowell, Mass. Stop mechanism for warpers. 1,877,069; Sept. 13.
Sidenius, Reuben, San Francisco, Calif. Bed heater. 1,840,261; Jan. 5.
Sidgreaves, Henry, Pawtucket, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Compensating mechanism for machine tools. 1,876,352; Sept. 6.
Sidgreaves, Henry, Pawtucket, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Machine tool compensating mechanism. 1,876,353; Sept. 6.
Sidon, Max, Woodside, N. Y. Beam-compass and measuring device. 1,852,485; Apr. 5.
Sidon, Max, Woodside, N. Y. Beam-compass and measuring device. 1,853,088; Apr. 12.
Sieb, Henry, Hammond, Ind., assignor, by mesne assignments, to T. W. & C. B. Sheridan Company, New York, N. Y. Machine for applying strips to books. 1,870,348; Aug. 9.
Sieb, Henry, assignor to W. B. Conkey Company, Hammond, Ind. Book feeding device. 1,888,775; Nov. 22.
Siebel, Erich, Dusseldorf, Germany, assignor to Steel City Testing Laboratory, Detroit, Mich. Testing sheet metal. 1,889,013; Dec. 27.
Siebenbüger, Hugo. (See Mayer, B., Krauer, and Siebenbüger.)
Siebenbürger, Hugo. (See Mayer, B., Seibenbürger, and Krauer.)
Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Metal lath. 1,840,537; Jan. 12.
Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Storm sash. 1,862,165; June 7.
Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Metal window structure. 1,864,509; June 28.
Siebenmann, Frederic J., assignor to Deere & Company, Moline, Ill. Cultivating implement. 1,878,000; Sept. 20.
Sieber, Fritz, Baden, Switzerland. Indicating device. 1,873,984; Aug. 30.
Sieber, Fritz, Baden, Switzerland. System and apparatus for synchronizing polyphase lines. 1,861,166; May 31.
Sieber, Fritz, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective system for rectifiers. 1,856,857; May 3.
Sieber, Fritz, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electrical apparatus. 1,873,983; Aug. 30.
Sieber, Heinrich. (See Eckert W., and Sieber.)
Sieber, John R., and G. R. Elwell, Pittsburgh, Pa., assignors to Standard Sanitary Manufacturing Company. Drawer for kitchen sinks. 1,879,888; Sept. 27.
Siebert, Otto W., and C. J. Bjorson, assignors to O. W. Siebert Company, Gardner, Mass. Method and apparatus for shaping tubing. 1,891,785; Dec. 20.
Siebert O. W. Company. (See Siebert, O. W., and Bjorson, assignors.)
Sieberling Rubber Company. (See Wolfe, William F., assignor.)
Siebert, Irwin J., Cleveland, Ohio. Amusement device. 1,877,256; Sept. 13.
Siebs, Claude T., Cranford, and L. R. McGuire, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel and the transportation thereof. 1,852,792; Apr. 5.
Siecke, Wolfhart. (See von Girsewald, C., Siecke, and Thieler.)
Siecke, Wolfhart, Frankfort-on-the-Main, Germany. Electrolytic production of metals of the alkalis or alkaline earths. 1,882,525; Oct. 11.
Siefert, Ralph W., Aliquippa, Pa. Rivet. 1,864,377; June 21.
Siefke, Frederick. (See Wienholz, A. E., and Siefke.)
Siefken, Werner. (See Kaunitz, E., and Siefken.)
Sieg, Karl. (See Langston, S. M., and Sieg.)
Sieg, Karl, Brooklawn, assignor to Samuel M. Langston Co., Camden, N. J. Sheet delivery. 1,852,590; Apr. 5.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Drum winder. 1,888,810; Nov. 22.
Siegel, Alfred. (See Allen, E. R., and Siegel.)
Siegel, David, Weehawken, N. J. Nonrun knitted fabric. 1,880,158; Sept. 27.
Siegel, Charles, assignor of one-half to D. Friedman and H. C. Fagel, Schenectady, N. Y. Gate box and extension therefor. 1,841,985; Jan. 19.

Siegel, Charles S., New York, N. Y., assignor to Dial Engineering Corporation. Dial die machine. 1,892,168; Dec. 27.
Siegel, Lee W., Elgin, Ill. Power roller and surfacer. 1,851,575; Mar. 29.
Siegel, Max J., assignor to Vincent W. Cahill and R. Robert Swartburg, New York, N. Y. Revolving window sash. 1,891,733; Dec. 20.
Siegel, Milton H., assignor to Siegele, Rothschild-Gans Bros. Inc., Baltimore, Md. Interchangeable umbrella handle. 1,843,950; Nov. 15.
Siegel, Rothschild-Gans Bros. Inc. (See Siegel, Milton H., assignor.)
Sieger, George N., Rutherford, and J. A. Weiger, Union City, N. J., assignors, by mesne assignments, to P. R. Mallory & Co. Incorporated, Indianapolis, Ind. Metal alloy. 1,848,437; Mar. 8.
Sieger, George N., Rutherford, and J. A. Weiger, Union City, N. J., assignors, by mesne assignments, to P. R. Mallory & Co. Incorporated, Indianapolis, Ind. Alloy material for electrical contacts. 1,848,438; Mar. 8.
Sieger, Lawrence J. (See Powers, G. G., and Sieger.)
Siegerist, Walter, Bayside, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler installation. 1,887,141; Nov. 8.
Siegfried, Joseph, Lafayette, Ind. Edge anchor for building sheets. 1,858,221; May 10.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrolytic detector. 1,866,604; July 12.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Producing switching apparatus parts. 1,873,346; Aug. 23.
Siegrist, Fritz, Oftringen, Switzerland. Punching press, particularly for pattern cards as used in knitting machines and the like. 1,856,970; May 3.
Siegrist, George R., Port Huron, Mich. Lubricating system. 1,877,070; Sept. 13.
Siegrist, Jacob C., West View, Pa., assignor to James H. Crea, Buffalo, N. Y. Combination wrench. 1,866,426; July 5.
Siekmann, Harold J. (See Groene, W. F., and Siekmann.)
Sieling, Edward H., Chicago, Ill. Ring for urn bags. 1,863,418; June 14.
Siemen, Fred, and F. P. Levine, Los Angeles, Calif. Garment hanger. 1,839,605; Jan. 5.
Siemen, Oscar, Elach, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Cooling device for internal combustion engines. 1,850,245; Mar. 22.
Siemens, Alfred, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Mercury arc rectifier. 1,847,141; Mar. 1.
Siemens, Alfred, and M. Schenkel, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric and Manufacturing Company. Mercury-arc rectifier. 1,848,067; Mar. 1.
Siemens-Bauunion G. m. b. H. Kommanditgesellschaft. (See Durchhalz, Artur, assignor.)
Siemens-Bauunion G. m. b. H., Kommanditgesellschaft. (See Siebardt, W., and Zemlin, assignors.)
Siemens Brothers & Company Limited. (See Christian, David A., assignor.)
Siemens Brothers & Company Limited. (See Dixon, Reginald C., assignor.)
Siemens Brothers & Company Limited. (See Patterson, William C., assignor.)
Siemens Brothers & Company. (See Peters, Charles L., assignor.)
Siemens Brothers & Company Limited. (See Tees, James E., assignor.)
Siemens-Elektro-Osmose G. m. b. H. (See Illig, K., and Schönfeldt, assignors.)
Siemens, Friedrich C., Berlin, Germany. Ingot reheating furnace. 1,843,099; Jan. 26.
Siemens & Halske, Aktiengesellschaft. (See Arni, Hans, assignor.)
Siemens & Halske Aktiengesellschaft. (See Balhorn Kurt, assignor.)
Siemens & Halske Aktiengesellschaft. (See Bartel, Hans, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Conrad, Friedrich, assignor.)
Siemens & Halske Aktiengesellschaft. (See Doring, F., and Ens, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Döring, F., and Schmook, assignors.)
Siemens & Halske Aktiengesellschaft. (See Doring, F., and Stoch, assignors.)
Siemens & Halske Aktiengesellschaft. (See Emarch, Wilhelm, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Engelhardt, V., Eger, and Hein, assignors.)
Siemens & Halske Aktiengesellschaft. (See Fanselau, Werner, assignor.)
Siemens & Halske Aktiengesellschaft. (See Feind, Walter, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Feldtkeller, Richard, assignor.)
Siemens & Halske Aktiengesellschaft. (See Fischer, Hellmut, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Gabor, Dionys, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Gerlach, Erwin, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Gosslau, Fritz, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Gruschke, Georg, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Grüss, H., and Thiele, assignors.)
Siemens & Halske Aktiengesellschaft. (See Hoefert, R., and Wollack, assignors.)
Siemens & Halske Aktiengesellschaft. (See Horn, Ernst, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Hort, Hermann, assignor.)
Siemens & Halske Aktiengesellschaft. (See Jaumann, Andreas, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Jipp, August, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Jipp, A., Rossberg, Simon, Scheunert, and Skawran, assignors.)
Siemens & Halske Aktiengesellschaft. (See Keinath, Georg, assignor.)
Siemens & Halske Aktiengesellschaft. (See Keinath, G., and Pfannenmüller, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Keinath, G., and Schwemmer, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Keinath, Georg, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Küpfmüller, Karl, and Jipp, assignors.)
Siemens & Halske Aktiengesellschaft. (See Kusche, Walter, assignor.)
Siemens & Halske Aktiengesellschaft. (See Langer, Max, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lubberger, F., and Rothert, assignors.)
Siemens & Halske Aktiengesellschaft. (See Lübcke, Ernst, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Mansel, Paul, assignor.)
Siemens & Halske Aktiengesellschaft. (See Masing, Georg, assignor.)
Siemens & Halske Aktiengesellschaft. (See Mathias, Maximilian, assignor.)
Siemens & Halske Aktiengesellschaft. (See Mayer, Hans, assignor.)
Siemens & Halske Aktiengesellschaft. (See Oertli, Josua, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Peissner, Alfons, assignor.)
Siemens & Halske Aktiengesellschaft. (See Preuss, Alexander B., assignor.)
Siemens & Halske Aktiengesellschaft. (See Reiter, T., and Gabor, assignors.)
Siemens & Halske Aktiengesellschaft. (See Rieckmann, Erich, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Rieper, Gerhard, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Schaumberger, Rudolf, assignor.)
Siemens & Halske Aktiengesellschaft. (See Schedlbauer, Hugo, assignor.)
Siemens & Halske Aktiengesellschaft. (See Schleicher, Manfred, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Schmook, Rudolf, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Schönfeldt, N., Reichmann and Engelhardt, assignors.)
Siemens & Halske Aktiengesellschaft. (See Schrader, Carl, assignor.)
Siemens & Halske Aktiengesellschaft. (See Schuchmann, Hans, assignor.)
Siemens and Halske Aktiengesellschaft. (See Sedlmayer, Josef, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Sorge, Joachim, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Steiner, Otto, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Storch, Paul, assignor.)
Siemens & Halske Aktiengesellschaft. (See Storch, P., and Rossberg, assignors.)
Siemens & Halske Aktiengesellschaft. (See Swinne, Richard, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Tuczek, Franz, assignor.)
Siemens & Halske Aktiengesellschaft. (See Waschnack, Adolf, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Weeber, Otto, assignor.)
Siemens & Halske Aktiengesellschaft. (See Wever, Franz, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Winter, Carl, assignor.)
Siemens & Halske Aktiengesellschaft. (See Wolf, Fritz, assignor.)
Siemens & Halske Aktiengesellschaft. (See Zapf, G., and Peissner, assignors.)
Siemens-Planiawerke Aktiengesellschaft für Kohlefabrikate. (See Dietsche, Otto, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Abendroth, Wilhelm, assignor.)

Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Abendroth, W., and Gleichmann, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Altenkirch, Edmund, assignor.)
Siemens Schukertwerke Aktiengesellschaft. (See Bisschop, E., Ulbrich, and Wirth, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Bussmann, Wilhelm, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Fischer, Ernst, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Hähnel, Kurt, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Kastert, Wilhelm, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Köhler, Gustav, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Ludwig, Fritz, assignor.)
Siemens-Schuckertwerke, Aktiengesellschaft. (See Miller, Hans, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Ossanna J., Graner and Hofmann, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Pohlhausen, Karl, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Rabe, Heinz, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Reichmann, Reinhold, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Schimpf, Robert, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Schmidt A., and Peneff, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Stockert, Josef, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Strigel, Robert, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Von Tothfalussy, L., and Naacke, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Ziegler, Georg, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Abendroth, Wilhelm, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Eule, Martin, assignor.)
Siemer, John H., Parker, S. Dak. Stove. 1,866,427; July 5.
Siemers, Emil J., Eau Claire, Wis. Bee hive insulator. 1,889,184; Nov. 29.
Siemers, Erich, Montreal, Quebec, Canada, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Apparatus for developing photoprints. 1,844,986; Feb. 16.
Siemieniuski, Wacław Dubidze P. Brzeznica, Poland. Agricultural implement. 1,869,516; Aug. 2.
Sieng, Herman B., assignor to Swift and Company, Chicago, Ill. Device for controlling pressure of volatile liquids. 1,872,831; Aug. 23.
Sieng, Herman B., assignor to Swift & Company, Chicago, Ill. Device for measuring liquids. 1,852,196; Oct. 11.
Sieng, Johann F., Los Angeles, Calif. Furrowing-out attachment. 1,851,600; Oct. 29.
Sieper, Fritz, Barmen-Langerfeld, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Barmen, Germany. Spinning pump. 1,881,300; Oct. 4.
Siepp, Fred, Kimball, Nebr. Piston operated snap switch. 1,858,117; May 10.
Sieprath, Heinrich, Aachen, Germany. Laminated spring. 1,852,132; Apr. 5.
Sieud, Albert E., assignor to G. W. Button Corporation, New York, N. Y. Closure for containers. 1,843,699; Feb. 2.
Siers, John A. H., Jersey City, N. J. Fastening device. 1,849,612; Oct. 4.
Siers, John A. H., Jersey City, N. J. Ventilator. 1,849,115; Mar. 15.
Siers, John A. H., Jersey City, N. J. Hair waving device. 1,852,269; Apr. 5.
Siers, John A. H., Jersey City, N. J. Slidable fastening device. 1,859,751; May 24.
Siers, John A. H., Jersey City, N. J. Terminal fastening device. 1,885,868; Nov. 1.
Siers, John A., Jersey City, N. J. Doorcheck. 1,888,543; Nov. 22.
Sievern, Frederick, McKeesport, assignor of one-half to Archworth Martin, Pittsburgh, Pa. Method of and apparatus for forming metal tubes. 1,848,671; Mar. 8.
Sievern, Frederick, and E. M. Lynch, McKeesport, Pa. Oil saving dome. 1,859,606; May 24.
Sievers, Frederic F., Dubuque, Iowa. Composite door. 1,876,772; Sept. 13.
Sievers, Otto. (See Benda, L., and Sievers.)
Sievers, William H., Buffalo, N. Y. Flowerpot holder. 1,868,853; July 26.
Sievert, Ernst, G. and H. Svensson, Sundbyberg, Sweden. Arrangement in condensers. 1,868,120; July 19.
Sieweck, Charles A., New York, N. Y. Automobile dashboard heat shield. 1,887,724; Nov. 15.
Sifferle, Albert E. (See Keller, C. W., and Sifferle.)
Sifton, Clifford, Toronto, Ontario, Canada. Transmission mechanism. 1,861,482; June 7.
Sifton, Clifford, Los Angeles, Calif., assignor to C. Pleasant, Tulsa, Okla. Asphalt mixer. 1,880,287; Oct. 4.
Sifton, Clifford, Toronto, and L. K. Cheswright, Swansea, Ontario, Canada. Transmission mechanism. 1,865,648; July 5.
Sigel, Carl W., Akron, Ohio. Marking articles of manufacture. 1,847,574; Mar. 1.
Sigg, Joseph A., Pittsburgh, Pa. Combined package and match container. 1,881,380; Oct. 4.
Siggins, Clarence L. (See Siggins, Frederick A. and C. L.)
Siggins, Frederick A. and C. L., Detroit, Mich. Door operating mechanism. 1,849,887; Mar. 15.
Sigler, Robert C., San Francisco, Calif. Drum muffling and snare tensioning device. 1,853,466; Apr. 12.
Signal Accessories Corporation. (See Bossert, William F., assignor.)
Signal Accessories Corporation. (See Hassel, Lewis H., assignor.)
Signal Engineering and Manufacturing Company. (See Bieger, John J., assignor.)
Signal Engineering & Manufacturing Company. (See Hassel, Charles L., assignor.)
Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)
Signode Steel Strapping Company. (See Leslie, John W., assignor.)
Signode Steel Strapping Company. (See Pagel, E. C., and Porter, assignors.)
Signor, Alfred J., Elkhart, Ind., assignor to F. E. Liverance, Jr., Grand Rapids, Mich. Dispensing machine. Re18,449; May 3.
Sigre, Joseph A., Los Angeles, Calif. Stove. 1,867,110; July 12.
Signorelli, Dominick J., New Orleans, La. Washboard. 1,850,549; Dec. 13.
Signorini, Luigi, Rome, Italy. Golf ball cleaning device. 1,862,437; June 7.
Sigrist, Frederick, Uxshott, England. Wing of aeroplanes and the like aircraft. 1,839,349; Jan. 5.
Sigsbey, Fred W., and H. D. Gosborn, Willoughby, Ohio. Micrometer gauge. 1,878,990; Sept. 20.
Sigvald, Charles G., Minneapolis, Minn. Oil burner. Des. 88,263; Nov. 8.
Silno, Salvador E., Pittsburg, Calif. Marking gauge. 1,862,201; June 7.
Sikarski, Joseph A. (See Jenkins, R. L., and Sikarski.)
Sikma, William H., Oakglen, Ill. Cutting machine. 1,869,394; Aug. 2.
Sikorovsky, Frank J., Jackson, Mich. Apparatus for finishing machine parts or elements. 1,856,405; May 3.
Sikorsky Aviation Corporation. (See Bogoslowsky, Boris assignor.)
Sikorsky Aviation Corporation. (See Sikorsky, Igor I., assignor.)
Sikorsky, Igor, Nichols, Conn., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft including swinging stair structure for same. 1,839,808; Jan. 5.
Sikorsky, Igor, Nichols, Conn., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, especially aircraft of the direct left amphibian type and means of constructing and operating the same. 1,848,389; Mar. 8.
Sikorsky, Igor, College Point N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, including pedals for same. 1,849,607; Feb. 9.
Sikorsky, Igor, I., College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, including engine mounting frame for same. 1,844,808; Feb. 9.
Sikorsky, Igor, College Point N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, wing panels, ailerons, wing beams, wing ribs, and details thereof. 1,846,367; Feb. 23.
Sikorsky, Igor, College Point, L. I., N. Y., assignor to Sikorsky Aviation Corporation. Wilmington, Del. Amphibian boat structure. 1,879,715; Sept. 27.
Sikorsky, Igor, College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Amphibian aircraft. 1,879,716; Sept. 27.
Sikorsky, Igor, College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Pneumatically operated and controlled aircraft. 1,879,717; Sept. 27.
Sikorsky, Igor, College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft and concealed stanchion for same. 1,881,141; Oct. 4.
Sikorsky, Igor I., Lordship, Conn., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft wing construction. 1,848,390; Mar. 8.
Silberman, David, New York, assignor to Walden Koh-I-Noor, Inc., Long Island City, N. Y. Sewing machine attachment. 1,874,645; Aug. 30.
Silberman, Murray, New York, N. Y. Method of and building for garaging motor vehicles. 1,843,843; Feb. 2.
Silbermann, Boris, Lausanne, Switzerland. Safety device for motor cars. 1,878,194; Sept. 20.
Silbernagel, Adolf, Basel, Switzerland. Refrigerator of the absorption type. 1,868,434; July 19.
Silberstein, Abraham, New York, N. Y. Cap. 1,856,230; May 3.
Silberstein, Isidor, Berlin, Germany. Method of and apparatus for manufacturing high ohmic resistances. 1,857,769; May 10.
Silberstein, Isidor, Berlin, Germany. Manufacturing electrical resistances. 1,859,112; May 17.

Silberstein, Ludwik, incompetent, by C. W. Markus, committee, Rochester, N. Y.; said Ludwik Silberstein, by decree of court now competent, assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Electrotelescopy. 1,839,706; Jan. 5.

Silberstein, Ludwik, New York, N. Y., assignor, by mesne assignments, to United Research Corporation, Long Island city, N. Y. Television apparatus. 1,839,777; Jan. 5.

Silen, Erick, Stella, Wash. Power guide roller. 1,876,773; Sept. 13.

Silent Hoist Winch & Crane Co. (See Botnick, Maurice M., assignor.)

Silent Glow Oil Burner Corporation. (See Nemann, Frederick F., assignor.)

Silent Glow Oil Burner Corporation, The. (See Sherman, Ralston M., assignor.)

"Silesia" Elektrizitäts-Gesellschaft-Fabriken. (See Kallner, Gerhard, assignor.)

Silex Company, The. (See Boever, Anne M., assignor.)

Silex Company, The. (See Wolcott, Frank E., assignor.)

Silfies, David M., Dundon, W. Va. Grass and weed cutter. 1,859,183; May 17.

Silfred Aktiengesellschaft, Silfree Limited. (See Rochrich, Carl, assignor.)

Silhavy, John F., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Lubricant for bearings operating in heated atmosphere. 1,880,987; Oct. 4.

Silica Gel Corporation, The. (See Adair, Sidney T., assignor.)

Silica Gel Corporation, The. (See Barclay, Earle H., assignor.)

Silica Gel Corporation, The. (See Connolly, Gerald C., assignor.)

Silica Gel Corporation, The. (See Fonda, Bayard P., assignor.)

Silica Gel Corporation, The. (See Hulse, George E., assignor.)

Silica Gel Corporation, The. (See Little, Thomas J., jr., assignor.)

Silica Gel Corporation, The. (See Miller, Ernest B., assignor.)

Silica Gel Corporation, The. (See Miller, E. B., and Connolly, assignors.)

Silica Gel Corporation, The. (See Patrick, W. A., and Barclay, assignors.)

Silica Products Co. (See Cross, Roy, assignor.)

Silknitter, George E., Sioux City, Iowa. Sampling device. 1,859,437; May 24.

Sill, William F., St. Louis, and C. W. Pippin, Pine Lawn, Mo. Automobile bumper. 1,886,913; Nov. 8.

Silta, Gregory, Exeter, Chester, N. Y. Device to supply and spray tube for domestic boilers. 1,892,320; Dec. 27.

Silva, Albert D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Amplifying system. 1,885,301; Nov. 1.

Silva, Antone J., Milton, Calif. Continuous feed hay press. 1,843,354; Feb. 2.

Silva, Antone J. and J. J., Milton, Calif. Extinguishing grass and similar fires. 1,849,411; Mar. 15.

Silva, Francisco, assignor of one-half to Antonio Pereira, San Francisco, Calif. Rat trap. 1,863,768; June 21.

Silva, Jesus R., and A. Krahmer, El Paso, Tex. Brush construction. 1,879,622; Sept. 27.

Silva, Jesus R. and A. Krahmer, El Paso, Tex. Shaving brush. 1,879,553; Sept. 27.

Silva, John J. (See Silva, Antone J. and J. J.)

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,858,222; May 10.

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Table traverse mechanism for grinding machines. 1,882,098; Oct. 11.

Silvene, Anthony, Victoria, British Columbia, Canada. Air brake. 1,877,060; Sept. 13.

Silver, Earl D., Flossmoor, Ill. Furnace. 1,851,453; Mar. 29.

Silver, Henry B., New York, N. Y. Bottle holder. 1,869,717; Aug. 2.

Silver, John H. F., Philadelphia, Pa. Control mechanism for coating machines. 1,866,950; July 12.

Silver, Walter H. (See Brown, T., and Silver.)

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister cultivator. 1,854,231; Apr. 19.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Disk tiller. 1,863,641; June 21.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Agricultural holder. 1,875,965; Nov. 1.

Silverberg, Simon, Baltimore, Md. Dental device. 1,872,832; Aug. 23.

Silver King Hydraulic Jack Company, The. (See Rosenberry, Ray P., assignor.)

Silver Lake Company. (See Whittier, Roger K., assignor.)

Silverman Bros. (See Silverman, Charles, assignor.)

Silverman, Charles, assignor to Silverman Bros., Providence, R. I. Collar holder. Des. 87,363; July 12.

Silverman, E. L. (See Hawe, William F. M., assignor.)

Silverman, Edward L., New York, N. Y. Reflector. 1,863,171; June 14.

Silverman, Etta, Brooklyn, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 87,809; Sept. 20.

Silverman, Evelyn, Brooklyn, N. Y. Sanitary comb. 1,865,975; July 5.

Silverman, Jack R., Dayton, Ohio, assignor, by mesne assignments, of one-half to The Univis Corporation, Wilmington, Del., and one-half to United Kingdom Optical Company, Limited, London, England. Lens. 1,879,769; Sept. 27.

Silverman, Joseph. (See Kazowski, John, assignor.)

Silverman, Joseph, Chicago, Ill. Folding chair. 1,844,077; Feb. 9.

Silverman, Joseph, Chicago, Ill. Folding table. 1,872,833; Aug. 23.

Silverman, Joseph, Chicago, Ill. Folding table. 1,875,269; Aug. 30.

Silverman, Joseph, Chicago, Ill. Kneeling bench. 1,877,602; Sept. 13.

Silverman, Joseph, Chicago, Ill. Folding chair. 1,880,365; Oct. 4.

Silverman, Leo, & Co. (See Silverman, Leo, assignor.)

Silverman, Leo, Elkins Park, assignor, by mesne assignments, to Leo Silverman & Co., Inc., Philadelphia, Pa. Making textile fabrics. 1,841,159; Jan. 12.

Silverman, Max. (See Reddy, Silverman, assignor.)

Silverman, Max, and H. Pomerantz, New York, N. Y. Expansible apparel belt. Des. 87,601; Aug. 16.

Silverman, Max, and H. Pomerantz, New York, N. Y. Metallic insert for ornamental apparel belts. Des. 87,730; Sept. 6.

Silverman, Max, and H. Pomerantz, New York, N. Y. Belt. Des. 87,731; Sept. 6.

Silverman, William, and M. Constantine, Providence, R. I. Jewelry construction. 1,841,301; June 14.

Silver Springs Bleaching & Dyeing Company Limited, The. (See Hall, Archibald J., assignor.)

Silverstein, Samuel. (See Silverstine, Charles and S.)

Silverstine, Charles, and S. Silverstein, Brooklyn, N. Y. Ironing machine. 1,842,297; Jan. 19.

Silvester, William A., Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Dyestuffs of the urea-azine series and preparing the same. 1,859,477; May 24.

Silvetri, Enrico, Milan, Italy. Ski. 1,875,512; Sept. 6.

Silvis, Robert E. (See Fenner, H. H., and Silvis.)

Silvis, Robert E., Mill City, Oreg. Tweezers. 1,886,127; Nov. 1.

Sim, William, Saugus, Mass. Variety of plant. Pl. Pt. 24; Aug. 30.

Sim, William, Saugus, Mass. Carnation. Pl. Pt. 37; Oct. 25.

Simcoe, George, Trenton, assignor to Elgar Brothers Company, Metuchen, N. J. Refined clay and producing same. 1,888,701; Nov. 22.

Sime, James N., Chicago, Ill. Hose supporter. 1,884,310; Oct. 25.

Simjian, Luther G., New Haven, Conn. Self-focusing camera. 1,866,581; July 12.

Simkins, Adelbert C., Pleasantville, N. J. Combination sign. 1,879,554; Sept. 27.

Simmen, Oscar, Erlach, assignor to Firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Cooling device for internal combustion engines. 1,850,246; Mar. 22.

Simmen, Oscar, Erlach, assignor to Firm Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Internal combustion engine driven vehicle with electric transmission. 1,852,437; Apr. 5.

Simmen, Oscar, Erlach, assignor to the Firm of Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Cooling apparatus for reciprocating pistons. 1,852,861; Apr. 5.

Simmen, Oscar, Erlach, assignor to the Firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Internal combustion engine with solid fuel injection. 1,882,165; Oct. 11.

Simmen, Oscar, Erlach, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Mounting of internal combustion power units in vehicles. 1,887,862; Nov. 15.

Simmen, Oscar, Erlach, assignor to Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Pump or compressor. 1,888,544; Nov. 22.

Simmen, Paul J., Eden, N. Y. Automatic train control. Re18,484; May 31.

Simmen, Paul J., Eden, N. Y. Automatic train control. 1,839,707; Jan. 5.

Simmen, Paul J., Eden, N. Y. Automatic train control. 1,849,156; Mar. 15.

Simmeth, Karl J., Kansas City, Mo., assignor to Baker & Company, Inc. Metal denture, making the metal bases, and forms therefor. 1,840,982; Jan. 12.

Simmons, Aaron N. (See Crowder, A. N., and Simmons.)

Simmons, Arthur W., Wacogdoches, Tex. Bearing structure. 1,877,257; Sept. 13.

Simmons, Charles B. (See Hughes, F. G., and Simmons.)

Simmons Company. (See Harman, Frank B., assignor.)

Simmons, Charles M., San Diego, Calif. Sanitary faucet protector. 1,850,359; Mar. 22.

Simmons Company. (See Barnes, George W., assignor.)

Simmons Company. (See Bayer, Matthew F., assignor.)

Simmons Company. (See Ferguson, Reginald, assignor.)

Simmons Company. (See Gail, John F., assignor.)

Simmons Company. (See Harman, Frank B., assignor.)

Simmons Company. (See Kusterle, Frank, assignor.)

Simmons Company. (See Rose, Lamar, assignor.)

Simmons Company. (See Witke, A., Huetten, Rosemann, Molling, and Martell, assignors.)

Simmons Company. (See Zeyen, Adam, assignor.)
Simmons, Donald M., Osborne, Pa., assignor to General Cable Corporation, New York, N. Y. Laminate insulation. 1,844,311 : Oct. 25.
Simmons, Eckley M., Ridgewood, N. Y. Method and machine for cutting and forming plates and other articles. 1,879,555 : Sept. 27.
Simmons, Frank L., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Surge control for nonreturn clacks. 1,853,662 : Apr. 12.
Simmons, George A., Portland, Oreg. Distender for nostrils. 1,839,606 : Jan. 5.
Simmons, H. C., Sons. (See Simmons, William B., assignor.)
Simmons, Harl C., Chicago, Ill. Combination dough fermentation compartment and make up table. 1,848,229 : Mar. 8.
Simmons, Harold R., Plain, Kans. Automatic release attachment for sliding grain cut-offs. 1,842,919 : Jan. 26.
Simmons, Harry E., Toledo, Ohio. Shaving brush. 1,875,167 : Aug. 30.
Simmons Limited. (See Fergusson, Reginald, assignor.)
Simmons Manufacturing Company. (See Lemmerman, Howard E., assignor.)
Simmons, Oliver G., Lakewood, Ohio. Hob and method of cutting for tapered gears. 1,849,810 : Mar. 15.
Simmons, Oliver G., Lakewood, Ohio. Method of and apparatus for generating the convolute teeth or threads of worms and the like. 1,853,643 : Apr. 12.
Simmons, Oliver G., Lakewood, Ohio. Method of and apparatus for generating the teeth of gears and gear shaper cutters. 1,858,465 : May 17.
Simmons, Oliver G., Lakewood, Ohio. Cutting the teeth of gears. 1,862,202 : June 7.
Simmons, Oliver G., Lakewood, Ohio. Hobbing cutter and making same. 1,873,158 : Aug. 23.
Simmons, Oliver G., Lakewood, assignor to The National Tool Company, Cleveland, Ohio. Eccentricity checking device. 1,840,538 : Jan. 12.
Simmons, Oliver G., Lakewood, assignor to The National Tool Company, Cleveland, Ohio. Knife for bullers. 1,858,527 : May 17.
Simmons, Orvall G., Guernsey, Ohio, assignor of one-half to J. C. Fickens, Elm Grove, W. Va. Speed regulator. 1,888,185 : Nov. 15.
Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stacking apparatus. 1,851,464 : Mar. 29.
Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine and tool for use in shoemaking. 1,871,922 : Aug. 16.
Simmons, Richard P., New York, N. Y. Well pumping apparatus. Re18,527 : July 12.
Simmons, Richard P., New York, N. Y. Well drilling apparatus. 1,841,302 : Jan. 12.
Simmons, Richard P., New York, N. Y. Percussive well drilling apparatus. 1,866,943 : July 12.
Simmons, Richard P., New York, N. Y. Well housing apparatus. 1,867,769 : July 19.
Simmons, Richard P., New York, N. Y. Well forming apparatus. 1,875,357 : Sept. 6.
Simmons, Richard P., New York, N. Y. Well drilling apparatus. 1,880,214 : Oct. 4.
Simmons, Richard P., New York, N. Y. Drill head for core barrels. 1,880,215 : Oct. 4.
Simmons, Richard P., New York, N. Y. Underreamer for well drilling apparatus. 1,880,216 : Oct. 4.
Simmons, Richard P., New York, N. Y. Motor driven well drilling apparatus. 1,880,217 : Oct. 4.
Simmons, Richard P., New York, N. Y. Lining oil wells and means therefor. 1,880,218 : Oct. 4.
Simmons Saw and Steel Company. (See Simonds, Gifford K., assignor.)
Simmons, Thomas A., Huddersfield, assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of triarylmethane dyes. 1,860,753 : May 31.
Simmons, Thomas H., St. Paul, Minn. Miniature theater. 1,874,819 : Aug. 30.
Simmons, William B., Bennington, assignor to H. C. Simmons' Sons, North Bennington, Vt. Fluid fuel burning heater. 1,848,672 : Mar. 8.
Simms, Carson W., W. J. Bannister, and L. C. Swallen, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Nitrocellulose plasticizer and pigment grinding composition. 1,864,151 : June 21.
Simms, Carson W., W. J. Bannister, and L. C. Swallen, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Nitrocellulose plasticizer and pigment grinding composition. 1,864,152 : June 21.
Simms, Charles F., assignor to Concord Silversmiths, Inc., Concord, N. H. Spoon or similar article. Des. 86,751 : Apr. 12.
Simms, Charles F., assignor to Concord Silversmiths, Inc., Concord, N. H. Spoon or similar article. Des. 86,812 : Apr. 19.
Simms, George A. (See Simms, James T. and G. A.)
Simms, George A., assignor, by mesne assignments, to B. R. Herring, Chicago, Ill. Multicolor printing apparatus. 1,849,597 : Mar. 15.
Simms, James T. and G. A., assignors, by mesne assignments, to B. R. Herring, Chicago, Ill. Printing plate and making the same. 1,849,598 : Mar. 15.
Simning, Roy B., assignor of fifteen per cent to R. G. Lacy, Duluth, Minn. Transport. 1,841,066 : Jan. 12.
Simon, Abram. (See Bobbin, L., Simon and Benderson.)
Simon, Abram. (See Miller, J., and Simon.)
Simon, Arthur R., La Porte, Ind. Visor and supporting and operating mechanism therefor. 1,841,986 : Jan. 19.
Simon, Arthur R., La Porte, Ind. Visor structure. 1,848,909 : Mar 8.
Simon, Daniel, jr., Upton, Mass. Inflated swimming suit. 1,860,062 : July 5.
Simon, Ernst, Berlin, Germany. Wooden tie or sleeper for railroads and similar purposes. 1,841,259 : Jan. 12.
Simon, Frant. (See Jipp, A., Rossberg, Simon, Scheunert, and Skawran.)
Simon, Fred L., Baltimore, Md. Educational device. 1,866,133 : July 5.
Simon, Isidore, Chicago, Ill. Composition heel. 1,840,058 : Jan. 5.
Simon, Isidore, Chicago, Ill. Last. 1,868,225 : July 19.
Simon, Lester S., Larchmont, N. Y. Adjustable light and ventilating screen. 1,841,065 : Jan. 12.
Simon, Miriam T., Natchez, Miss. Protector for toilet seats. 1,873,225 : Aug. 23.
Simon, Mortimer R., Passaic, N. J. Accident display board. 1,891,654 : Dec. 20.
Simon, Otto, Berlin, Germany. Producing cements for teeth. 1,886,982 : Nov. 8.
Simon, Walter. (See Pier, M., and Simon.)
Simonds, Edmond M., Wilmette, Ill. Apparatus for cooking food. 1,892,169 : Dec. 27.
Simonds, Francis M., assignor of one-half to A. Fillmore Hyde, New York, N. Y. Treating ores. 1,874,370 : Aug. 30.
Simonds, Gifford K., Boston, assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Control apparatus. 1,871,752 : Aug. 16.
Simonds, Royal H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,879,827 : Sept. 27.
Simonds Saw and Steel Company. (See Howard, Leslie E., assignor.)
Simonds Worden White Company. (See Anderson, Edward, assignor.)
Simonds Worden White Company. (See Allison, Albert J., assignor.)
Simone, Andrea, Toronto, Ontario, Canada. Convertible store front. 1,874,820 : Aug. 30.
Simonovitz, Morris, Garfield, N. J. Shoe. 1,891,064 : Dec. 13.
Simons, Ernest D., New Haven, assignor to Scovill Manufacturing Company, Waterbury, Conn. Resilient snap fastener socket. 1,848,580 : Mar. 8.
Simons, Ernest D., Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Self engaging socket for resilient studs. 1,861,097 : May 31.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Corner china closet. Des. 86,063 : Jan. 19.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Book cabinet. Des. 86,294 : Feb. 16.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Corner china closet. Des. 86,295 : Feb. 16.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Mantel. Des. 86,583 : Mar. 22.
Simons Millwork Inc. (See Simons, G. A., and Freeberg, assignors.)
Simons, Paul, Weissig-Buhlau, near Dresden, Germany. Insulating tape. 1,867,183 : July 12.
Simons, Walter R., Los Angeles, Calif. Building construction. 1,870,967 : Aug. 9.
Simonson, Floyd L., Pittsburgh, Pa. Footwear attachment. 1,862,438 : June 7.
Simonson, George H., Springfield, and F. V. Grennor, Chicopee, Mass., assignors to Bigelow-Sanford Carpet Co. Inc, Thompsonville, Conn. Stop mechanism for yarn doubling and twisting machines. 1,840,262 : Jan. 5.
Simonson, George H., Springfield, and F. V. Grennor, Chicopee, Mass., assignors to Bigelow-Sanford Carpet Co. Inc, Thompsonville, Conn. Stop mechanism for yarn twisting and winding machines. 1,845,565 : Feb. 16.
Simonsson, Wilhelm, Hulsingborg, Sweden. Bottle washing machine. 1,879,770 : Sept. 27.
Simplex Engineering Company. (See Amsler, Walter O., assignor.)
Simplex Engineering Company. (See Sylvester, Julius, assignor.)
Simplex Engineering Company. (See Wilson, John N., assignor.)
Simplex Equipment Company. (See Blake, Eli J., assignor.)
Simplex Gas Products Corporation. (See Donohue, Anthony J., assignor.)
Simplex Heating Specialty Company. (See Wiley, Edgar C., assignor.)
Simplex Paper Box Corporation. (See Gross, Ralph A., assignor.)
Simplex Piston Ring Company. (See Solenberger, Dean M., assignor.)
Simplex Piston Ring Company of America, The. (See Hodge, James G., assignor.)

Simplex Piston Ring Company of America, Inc. (See Marshall, Lewis C., assignor.)
Simplex Piston Ring Company of America, The. (See Solenberger, Dean M., assignor.)
Simplex Piston Ring Company of America, Inc., The. (See Solenberger, Dean M., assignor.)
Simplex Piston Ring Company of America, The. (See Thompson, Ralph C., assignor.)
Simplex Radio Company, The. (See Maibohm, Harry C., assignor.)
Simplex Radio Company, The. (See West, M. B., and Maibohm, assignors.)
Simplex Time Recorder Company. (See Watkins, E. G., and Hobby, assignors.)
Simplex Tool Company. (See Shaw, Thomas, assignor.)
Simplex Valve and Meter Company. (See Borden, Moro M., assignor.)
Simplex Valve & Meter Company. (See Ledoux, John W., assignor.)
Simplex Wire and Cable Company. (See Evans, Ralph R., assignor.)
Simplicity Manufacturing Company. (See Fryckberg, Samuel, assignor.)
Simplicity System Company. (See West, L. B., and Wall, assignors.)
Simpson, Adele S., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 88,114; Oct. 25.
Simpson, Albert E. (See Dixon, T. S., and Simpson.)
Simpson, C. A. (See Seigel, Wilfred C., assignor.)
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Doorcheck. 1,852,905; Apr. 5.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Smoking case. 1,861,287; May 31.
Simpson, Emory G., Detroit, Mich., and R. Beynon, Chicago, Ill., assignors to General Motors Corporation, Detroit, Mich. Header channel or weather strip. 1,853,467; Apr. 12.
Simpson, Emory G., A. J. De Sana, and John B. Flynn, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Coach lock. 1,877,603; Sept. 13.
Simpson, Emory G., G. Cornwall, and A. C. Andersen, Detroit, Mich., and H. C. Field, Windsor, Ontario, Canada, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Adjustable seat for an automobile. 1,877,604; Sept. 13.
Simpson, Frank G., assignor to I. Fischman & Sons, Philadelphia, Pa. Refrigerating apparatus for soda fountains and the like. 1,847,788; Mar. 1.
Simpson, George L. (See Moore, W. E., and Simpson.)
Simpson, Harlan D., assignor, by mesne assignments, to Baker & Co. Inc., Newark, N. J. Tumbling device for electroplating. 1,848,391; Mar. 8.
Simpson, Herbert S., Chicago, Ill. Mulling machine. 1,857,337; May 10.
Simpson, Howard W., assignor to Ford Motor Company, Dearborn, Mich. Tractor pulley. 1,875,767; Sept. 6.
Simpson, Isaac, Wilmerding, assignor of one-half to F. E. Lyford, Waverly, Pa. Spark arrester. 1,859,804; May 24.
Simpson, James R., Wisconsin Rapids, assignor to Beloit Iron Works, Beloit, Wis. Paper making process. 1,883,022; Oct. 18.
Simpson, James W., and F. H. Mueller, assignors to Mueller Co., Decatur, Ill. Corporation stop with offset connection. Re18,353; Feb. 16.
Simpson, John E., Portsmouth, Ohio. Sewer drain. 1,867,927; July 19.
Simpson, John M., Muncie, Ind. Transmission gear. 1,871,142; Aug. 9.
Simpson, John O. (See Carlson, E. L., and Simpson.)
Simpson, Kenneth M. (See Baker, D. S., and Simpson.)
Simpson, Kenneth M., assignor to International Chromium Process Corporation, New York, N. Y. Production of sponge iron. 1,868,952; July 26.
Simpson, Kenneth M., New York, N. Y. Producing ferrochrome and other similar alloys. 1,885,380; Nov. 1.
Simpson, Kenneth M., New York, N. Y. Process for the production of iron. 1,885,381; Nov. 1.
Simpson, Lancelot M. (See Pearce, O. A., and Simpson.)
Simpson, Lancelot M., Thorner, near Leeds, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Electrical relay arrangement. 1,866,678; July 12.
Simpson, Lewis E., and C. H. Bartholomew, Wichita, Kans. Attachment for parachutes. 1,890,868; Dec. 13.
Simpson, Park P. (See Lehmann, P. H., and Simpson.)
Simpson, Robert D., assignor of one-half to S. E. Ludwig, Columbus, Ohio. Container and closure device therefor. 1,861,483; June 7.
Simpson, Robert J. O., Athol, Mass., assignor, by mesne assignments, to The L. S. Starrett Company. Cylinder gage. 1,847,906; Mar. 1.
Simpson, Tracy W., Glencoe, Ill., assignor to American Hair & Felt Company. Insulating blanket and controlling the distortion thereof. 1,859,906; May 24.
Simpson, William J., Everett, Mass., assignor, by mesne assignments, to The Electric Smelting & Aluminum Co., Cleveland, Ohio. Connection for the ends of webs. 1,841,303; Jan. 12.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Thermostatic valve unit. 1,881,246; Oct. 4.
Simrall, William F. (See Edmunds, Marshall C., assignor.)
Sims, Floyd A. (See Beatty, J., Uphoff, and Sims.)
Sims, Frank L., assignor of one-fourth to L. Haven, Seattle, Wash. Valve for internal combustion engines. 1,861,885; June 7.
Sims, Herbert M., Florence, Ala. Sag eliminating attachment for crank shaft grinding machines. 1,844,805; Feb. 9.
Sims, Willis F., and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for conversion of petroleum oils. 1,843,700; Feb. 2.
Simsinovici, Martin, Paris, France. Shield for batteries and their parts. 1,867,423; July 12.
Simson, Adolf P., assignor to The Vitler Manufacturing Company, Milwaukee, Wis. Compressor. 1,867,681; July 19.
Simson, Isidor, assignor to Scheftels & Simson Company, Milwaukee, Wis. Four-in-hand necktie. 1,842,920; Jan. 26.
Simson, Isidor, Milwaukee, Wis. Necktie. 1,885,956; Nov. 1.
Sinadin, John. (See Masters, B. L., and Sinadin.)
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,840,824; Jan. 12.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Brake drum. 1,876,354; Sept. 6.
Sinclair, Harold, Surbiton, England. Load equalizing machinery. 1,855,032; Apr. 19.
Sinclair, Harold, Surbiton Hill, England. Hydraulic transmission gear and brake. 1,859,607; May 24.
Sinclair, Harry R., et al., trustees. (See Cameron, F. S., and Jones, assignors.)
Sinclair, John R., Holyoke, Mass. Dandy roll. 1,888,892; Nov. 22.
Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Folding bed. Re18,469; May 17.
Sinclair Refining Company. (See Apgar, Frank A., assignor.)
Sinclair Refining Company. (See Campbell, O. F., and Herthel, assignors.)
Sinclair Refining Company. (See Gullette, Willis S., assignor.)
Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
Sinclair Refining Company. (See Herthel, E. C., and Gullette, assignors.)
Sinclair Refining Company. (See Herthel, E. C., and Tifft, assignors.)
Sinclair Refining Company. (See Ischie, William V., assignor.)
Sinclair Refining Company. (See Isom, Edward W., assignor.)
Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
Sinclair Refining Company. (See Ringgenberg, Herman I., assignor.)
Sinclair Refining Company. (See Stafford, James G., assignor.)
Sinclair Refining Company. (See Taber, G. H., jr., and Isom, assignors.)
Sinclair Refining Company. (See Tifft, Thomas DeC., assignor.)
Sinclair-Ross, James. (See Zetsche, J., Petersen, and Sinclair-Ross.)
Sindeband, Maurice L., New York, N. Y., and O. K. Marti, Hadionfield, N. J., assignors, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical switch controlling system. 1,856,195; May 3.
Sinden, James W., assignor to The Pennsylvania State College, State College, Pa. Mushroom spawn and making same. 1,869,917; Aug. 2.
Sinden, Roger H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Heater element. 1,870,968; Aug. 9.
Sindermann, Adolf, Vienna, Austria. Surface dressing of materials, in particular of hairy materials. 1,849,962; Mar. 15.
Sindl, Otto, Berlin, Germany. Capsuling machine. 1,872,190; Aug. 16.
Sinegal, Joe, et al. (See Foti, Charles, assignor.)
Sinel, Joseph, assignor to Dictograph Products Co., Inc., New York, N. Y. Receiver case for acoustic devices. Des. 87,687; Aug. 30.
Sinel, Joseph, assignor to Dictograph Products Co., Inc., New York, N. Y. Receiver case for acoustic devices. Des. 87,688; Aug. 30.
Sinel, Joseph, assignor to Dictograph Products Co., Inc., New York, N. Y. Receiver case for acoustic devices. Des. 87,689; Aug. 30.
Sinel, Joseph, assignor to Dictograph Products Co., Inc., New York, N. Y. Receiver case for acoustic devices. Des. 87,690; Aug. 30.
Siner, Raymond K., Philadelphia, Pa. Stocking. 1,878,337; Sept. 20.
Singer, Abraham, New York, N. Y. Napkin holder. 1,892,193; Dec. 27.
Singer, Andrew C., McKees Rocks, Pa. Automatic control system. 1,882,234; Oct. 11.

Singer, Arthur, assignor, by mesne assignments, to Chicago Governor & Manufacturing Co., Chicago, Ill. Governor. 1,878,721; Sept. 20.

Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Eliminating interference in grounded telegraph systems. 1,865,593; July 5.

Singer, Fred J., Rockville Center, N. Y., and L. A. Gardner, Maplewood, N. J., assignors to American Telephone and Telegraph Company. Printing telegraph system. 1,815,237; Aug. 18.

Singer, Frederick O., assignor, by mesne assignments, to National Governor Corporation, Chicago, Ill. Governor. 1,889,706; Nov. 29.

Singer, Fritz, Nuremberg, Germany. Extrusion press. 1,839,421; Jan. 5.

Singer, Fritz, Nuremberg, Germany. Matrix dies for extruding solid and hollow articles. 1,840,472; Jan. 12.

Singer, Fritz, Nuremberg, Germany. Apparatus for removing extrusion residue. 1,842,695; Jan. 26.

Singer, Fritz, Nuremberg, Germany. Method of extrusion. 1,878,722; Sept. 20.

Singer, Grover C., Mission, Tex. Transplanting receptacle. 1,846,980; Feb. 23.

Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)

Singer Manufacturing Company, The. (See Allen, E. B. and Crosby, assignors.)

Singer Manufacturing Company, The. (See Allen, E. B., and Myers, assignors.)

Singer Manufacturing Company, The. (See Barron, William B., assignor.)

Singer Manufacturing Company, The. (See Card, Frederic M., assignor.)

Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)

Singer Manufacturing Company, The. (See Corrall, H., and Heggie, assignors.)

Singer Manufacturing Company, The. (See Eaglesham, Robert, assignor.)

Singer Manufacturing Company, The. (See Eames, George M., assignor.)

Singer Manufacturing Company, The. (See Fifield, Albert B., assignor.)

Singer Manufacturing Company, The. (See Goosman, Herbert J., assignor.)

Singer Manufacturing Company, The. (See Grieb, A., and Knaus, assignors.)

Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)

Singer Manufacturing Company, The. (See Karle, John D., assignor.)

Singer Manufacturing Company, The. (See Knox, John A., assignor.)

Singer Manufacturing Company, The. (See Kopf, Emil A., assignor.)

Singer Manufacturing Company, The. (See Myers, Walter, assignor.)

Singer Manufacturing Company, The. (See Palme, Josef F., assignor.)

Singer Manufacturing Company, The. (See Parkes, William N., assignor.)

Singer Manufacturing Company, The. (See Perkins, Kenneth, assignor.)

Singer Manufacturing Company, The. (See Powers, C. R., and Knaus, assignors.)

Singer Manufacturing Company, The. (See Safler, Rudolph J., assignor.)

Singer Manufacturing Company, The. (See Tivendale, W., and Safler, assignors.)

Singer Manufacturing Company, The. (See Van Ness, W. C., and Card, assignors.)

Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)

Singer Manufacturing Company, The. (See Willard, C. T., and Kaier, assignors.)

Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)

Singer, Margaret B., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,489; Nov. 29.

Singer, Margaret B., assignor to Wullschleger & Co., New York, N. Y. Textile fabric or the like. Des. 88,490; Nov. 29.

Singer, Ralph, Niles Center, and O. J. Agnini, Maywood, Ill. Picture frame. 1,892,014; Dec. 27.

Singer, Robert, New Rochelle, N. Y. Surface cover for ice cream cans. 1,868,772; July 26.

Singer, Samuel J. (See Fuchs, Fritz E., assignor.)

Singerman, Joseph, New York, N. Y. Color box. 1,880,026; Sept. 27.

Singh, Boor. (See Wolff, Christiaan, assignor.)

Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 1,851,900; Apr. 5.

Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 1,890,341; Dec. 6.

Singleton, Eustace M., Marshalltown, Iowa. Shock absorber for automobiles. 1,843,344; Feb. 2.

Singleton, Roscoe Elwood, Chicago, Ill. Automatic key case. 1,885,957; Nov. 1.

Singley, Benneville L. (See Kurtz, Henry F., assignor.)

Singmaster & Breyer, Inc. (See Finkeldey, William H.)

Singmaster, James A., Bronxville, N. Y. Artificial silk filament and making same. 1,875,894; Sept. 6.

Singrün, Albert. (See Audiffren, M., and Singrün.)

Sink, Charles A. (See Webb, J. B., Blair, and Sink.)

Sinko, John, Chicago, Ill. Making metallic containers. 1,839,272; Jan. 5.

Sinner, Emil, Milwaukee, Wis. Combination padlock. 1,866,273; July 5.

Sinner, Emil, assignor to Clum Manufacturing Company, Milwaukee, Wis. Lock switch. 1,875,168; Aug. 30.

Sinz, Lawrence P., et al. (See Griffin, C. W., Schmid, and Sinz.)

Sinz, Lawrence P. (See Griffin, C. W., and Sinz.)

Sinz, Lawrence P., Huntington Park, Calif., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping machine. 1,871,924; Aug. 16.

Sioberg, Charles F., assignor to York Safe & Lock Company, York, Pa. Chest door and chest structure. 1,850,689; Mar. 22.

Sioberg, Charles F., assignor to York Safe & Lock Company, York, Pa. Revolving door depository. 1,851,540; Mar. 29.

Sioberg, Charles F., York County, assignor to York Safe & Lock Company, York, Pa. Chest with revolving door. 1,853,241; Apr. 12.

Sipe, Carl H., and F. S. Snyder, Beaver Falls, assignor to D. T. Sipe, Latrobe, Pa. Roll shaft. 1,844,231; Feb. 9.

Sipe, Demmie T. (See Sipe, C. H. and Snyder, assignors.)

Sipe, Demmie T. (See Sipe, F. S., and Sipe, assignors.)

Sipe, George B., Shreveport, La. Combined drill and underreamer. 1,887,895; Nov. 15.

Sipe, Harry E., New York, N. Y., assignor of one-half to Nathaniel L. Foster, Montclair, N. J. Window operating device. 1,882,304; Oct. 11.

Sipp-Eastwood Corporation. (See Klein, Frederick, assignor.)

Sipp Eastwood Corporation. (See Root, Frederick J., assignor.)

Sipp-Eastwood Corporation. (See Sipp, Grant, assignor.)

Sipp, Grant, assignor to Sipp-Eastwood Corporation, Patterson, N. J. Warping machine. 1,878,298; Sept. 20.

Sippel, Harry. (See Sippel, Jr., and Sippel.)

Sippel, John J., Upper Darby, Pa., assignor to Wicaco Machine Corporation. Locking mechanism for swifts. 1,871,564; Aug. 16.

Sippel, Louis M., et al., directors. (See Smiley, Alfred M., assignor.)

Sirch, Charles W., Los Angeles, Calif. Multiple jet inlet. 1,855,258; Apr. 26.

Sirch, Charles W., Los Angeles, Calif. Minute feed apparatus. 1,855,325; Apr. 26.

Sirch, Charles W., Los Angeles, Calif. Radiating marine apparatus. 1,860,435; May 31.

Sircoulomb, Louis, Torrington, Conn. Machine for straightening machine parts. 1,869,225; July 26.

Sirecl, Gesuaico C., Brooklyn, N. Y. Electric hair clipper. 1,878,549; Sept. 20.

Sirian Lamp Company. (See Heany, John A., assignor.)

"Sirius" Kleuren-Film-Maatschappij. (See Horst, Ludwig, assignor.)

Sirmay, Julius, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc. Circular knitting machine. 1,858,469; May 17.

Sirmay, Julius, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc. Circular rib knitting machine. 1,875,826; Sept. 6.

Sirmay, Julius, assignor to Jacquard Knitting Machine Company, Inc., Philadelphia, Pa. Circular knitting machine. 1,891,956; Dec. 27.

Sisk, Martin A., Pittsburgh, Pa. Plumbing fitting. 1,878,195; Sept. 20.

Siskin, Harry, Los Angeles, Calif. Chair construction. 1,876,774; Sept. 13.

Sisson, Eugene, Hudson, N. Y. Oarlock. 1,864,098; June 21.

Sisson, James G., Athol, Mass., assignor to The L. S. Starrett Company. Cylinder gauge. 1,852,760; Apr. 5.

Sisson, Vinton E., Chicago, Ill. Bracket support for coupler release rods. 1,863,142; June 14.

Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic plate. 1,850,962; Mar. 22.

Siteman, William G., Montague City, Mass. Emergency coupling. 1,849,553; Mar. 8.

Sithens, Edward J., Cynwyd, Pa. Bookholder. 1,868,467; July 19.

Sitton, Thomas E., Edgewood Arsenal, Md. Eyelet. 1,891,065; Dec. 13.

Sivian, Leon J., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit for electric discharge devices. 1,841,501; Jan 19.

Sivian, Leon J., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling by electric waves. 1,847,142; Mar. 1.

Sivon, Charles A., Pasadena, Calif. Fastening ironing boards. 1,892,118; Dec. 27.

Six, Walter J., Indianapolis, Ind. Making piston rings. 1,850,057; May 17.

Six Wheel Corporation. (See Low, John J., assignor.)

Sixthor, Franz K., assignor to Whittin Machine Works, Whitinsville, Mass. Apparatus for wet treatment of hanks. 1,867,770; July 19.

Sizer, Albert W., Hessle, England. Machine for molding plastic substances. 1,868,370; July 19.

Sjoberg, Leo J., et al. (See Sjoberg, Leo J., assignor.)

Sjoberg, Leo J., assignor to Leo J. Sjoberg and W. B. De Nure, trustees, Los Angeles, Calif. Visible liquid fuse switch. 1,862,455; Oct. 11.

Sjoden, Eric, Buffalo, assignor to American Radiator Company, New York, N. Y. Core apparatus. 1,862,986; June 14.

Sjölander, Carl G. L., Dalsberg, Sweden. Machine for welding tubular objects. 1,857,338; May 10.

Sjolander, Oscar V., Jamestown, Kans. Collapsible wire reel. 1,874,371; Aug. 30.

Sjolander, Henning R., Ishpeming, Mich. Removing ice from roofs. 1,857,885; May 10.

Sjostrand, Anna E., St. Peter, Minn. Ear protector. 1,851,455; Mar. 29.

Sjöström, John G. (See Mellgren, G. E., Sjöström, Swalas, and Hedin.)

Skala, Ljubomir W., assignor to Skala Research Laboratories, Inc., Cicero, Ill. Separating and purifying gases. 1,871,226; Aug. 9.

Skala Research Laboratories, Inc. (See Skala, Ljubomir W., assignor.)

Skandria Furniture Company, The. (See Aldeen, G. W. and Carlson, assignors.)

Skar, Eilif V. (See Hardy, Donovan H., assignor.)

Skau, Meinich. (See Cole, F. H., and Skau.)

Skaupy, Franz, Berlin, Germany, assignor to General Electric Company. Discharge device electrode. 1,852,826; Apr. 5.

Skawran, Willy. (See Jipp, A., Rossberg, Simon, Scheunert, and Skawran.)

Skayef Ball Bearing Company, The. (See Hutchinson, Walter L., assignor.)

Skayef Ball Bearing Company, The. (See Hutchinson, W. L., and Runge, assignors.)

Skayef Ball Bearing Company, The. (See Tawresey, John S., assignor.)

Skeel, Lewis. (See Miller, F. P., and Skeel.)

Skeel, Lewis. (See Spohr, A., and Skeel.)

Skeel, Lewis, Meadville, Pa. Universal bracket. 1,853,153; Apr. 12.

Skeel, Lewis, Meadville, Pa. Cutting tool. 1,854,632; Apr. 19.

Skeel, Lewis, and F. P. Miller, Meadville, Pa. Rotary cutter. 1,854,631; Apr. 19.

Skeffington, Edward T., et al. (See Foss, Leland L., assignor.)

Skellett, Albert M., St. Louis, Mo., assignor to Westinghouse Electric & Manufacturing Company. Electric discharge device. 1,877,607; Sept. 13.

Skellett, Albert M., St. Louis, Mo., and V. K. Zworykin, Swissvale, Pa., assignors to The Westinghouse Electric & Manufacturing Company. Frequency-responsive crystal relay. 1,869,829; Aug. 2.

Skelly, John J., Chicago, Ill. Valve. 1,851,016; Mar. 29.

Skelly, John S., Monongahela, Pa. Brake drum. 1,846,816; Feb. 23.

Skelly, Joseph J., Brooklyn, N. Y. Cabinet mounting. 1,850,292; Mar. 22.

Skelly Oil Company. (See Watkins, Walter G., assignor.)

Skelton, Julian M., Baltimore, Md. Butter cutter. 1,851,991; Apr. 5.

Skelton, Owen R., assignor to Chrysler Corporation, Detroit, Mich. Rear cross member. 1,840,136; Jan. 5.

Skelton, Owen R., assignor to Chrysler Corporation, Detroit, Mich. Brake shoe. 1,862,124; June 7.

Skenandoa Rayon Corporation. (See Volk, Walter C., assignor.)

Skillen, George L., Mukwonago, Wis. Footpad. 1,851,778; Mar. 29.

Skillin, James H., Dalhart, Tex. Wall and forming same. 1,862,066; June 7.

Skillman, Thomas J., Ardmore, Pa. Sand catching means for railways. 1,864,154; Feb. 20.

Skillman, Thomas S., Aldwych, London, England, assignor to Western Electric Company, Incorporated. Semiautomatic telephone system. 1,859,476; May 24.

Skillman, Thomas S., and L. G. Freeth, Aldwych, London, England, assignors to Western Electric Company, Inc., New York, N. Y. Call indicator system. 1,859,475; May 24.

Skindel, Anthony, Wildwood Villas, N. J. Air rifle. 1,857,068; May 3.

Skinner, Alva L., Bridgeport, Ill. Counterbalance for well pumps. 1,868,028; July 19.

Skinner Automotive Device Co. (See Lambert, E. H., Skinner, Geertz, and Williams.)

Skinner, Bronson C., assignor, by mesne assignments, to Florida Citrus Machinery Company, Dunedin, Fla. Fruit cleaning machine. 1,844,264; Feb. 9.

Skinner, C. P., et al. (See Vallendor, Max L., assignor.)

Skinner, Chame D., Springdale, Pa. Extrusion of metal. 1,847,365; Mar. 1.

Skinner Engine Company. (See Gorr, Walter B., assignor.)

Skinner Engine Company. (See Mueller, Herman G., assignor.)

Skinner, George, Birchcliffe, Ontario, Canada. Lubricator for differential pinions. 1,874,646; Aug. 30.

Skinner Irrigation Company, The. (See Coles, W. H., and Nelson, assignors.)

Skinner, James W. M., Flatts, Bermuda, West Indies. Leather dressing. 1,847,629; Mar. 1.

Skinner, M. B., Co. (See Merrill, Patterson D., assignor.)

Skinner, Marion C., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Spelter furnace condenser support. 1,868,586; July 26.

Skinner, Morley, assignor to Continental Steel Corporation, Kokomo, Ind. Topping arm for fence posts. 1,859,808; Jan. 5.

Skinner Motors, Inc. (See Kasten, Walter, assignor.)

Skinner Motors, Inc. (See Skinner, Ralph L., assignor.)

Skinner Motors, Inc. (See Walrath, Percy C., assignor.)

Skinner, Percy R., Amsterdam, N. Y. Angle dental handpiece. 1,853,089; Apr. 12.

Skinner, Ralph L. (See Lambert, E. H., Skinner, Geertz, and Williams.)

Skinner, Ralph L., assignor to Skinner Motors, Inc., Detroit, Mich. Inner cylinder construction for internal combustion engines. 1,871,242; Aug. 9.

Skinner, Ralph L., assignor to Skinner Motors, Inc., Detroit, Mich. Internal combustion engine sealing-ring construction. 1,872,516; Aug. 16.

Skinner, Reuben L. Pratt, assignor of one-half to E. E. Rogers, Hutchinson, Kans. Broke. 1,874,189; Aug. 30.

Skinner, Thomas C., et al. (See Kent, Raymond L., assignor.)

Skinner, Walter J., Bloomfield, N. Y., assignor to Van Wickland Products Co., Newark, N. J. Heater unit for cathodes of vacuum tubes and producing same. 1,858,063; May 10.

Skinner, William E. (See Day, H. G., and Skinner.)

Skipwith, Lee, Bronxville, N. Y. Playing card. Des. 87,550; Aug. 9.

Skirrow, Frederick W., Shawinigan Falls, Quebec, assignor to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Making reaction products of vinyl esters and aldehydes. 1,872,834; Aug. 23.

Skirrow, Frederick W., and G. O. Morrison, Shawinigan Falls, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Making esters. 1,855,366; Apr. 26.

Skirrow, Frederick W., and G. O. Morrison, Shawinigan Falls, assignors to Canadian Electro Products, Company, Limited, Montreal, Quebec, Canada. Making diesters of carboxylic acids. 1,855,367; Apr. 26.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Dyeing apparatus. 1,844,695; Feb. 9.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Textile processing machine. 1,844,907; Feb. 9.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Textile processing machine. 1,844,908; Feb. 9.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Washing machine cylinder. 1,844,909; Feb. 9.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Flatwork ironer. 1,857,290; May 10.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Support for ironing machine rolls. 1,879,356; Sept. 27.

Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Safety appliance for washing machines. 1,881,974; Oct. 11.

Sklar, J., Manufacturing Co. (See Sovatkin, Edward J., assignor.)

Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Mounting for dirigible lights. 1,862,584; Aug. 2.

Sklenar, Wenzeslaw F., London, and A. H. Ronan, Ealing, London, England. Reverberatory furnace. 1,875,169; Aug. 30.

Sklovsky, Benjamin, Chicago, Ill. Heating device. 1,880,291; Oct. 4.

Skoglund, Bertel. (See Doering, C., Doering, Alstad, and Skoglund.)

Skogmark, John, New York, N. Y. Precipitating apparatus and process. 1,857,884; May 10.

Skogsberg, Clarence, Nampa, Idaho. Combined leveler and ridger. 1,845,851; Feb. 16.

Skolnik, Max, Chicago, Ill., assignor to Insolo Holding Company. Method and apparatus for manufacturing products from fibrous material. 1,865,649; July 5.

Skolnik, Max, Chicago, Ill., assignor to Insolo Holding Company. Building block and wall form. 1,890,532; Dec. 13.

Skoog, Carl E., Cranston, assignor to D. M. Watkins Company, Providence, R. I. Button. 1,841,160; Jan. 12.

Skoog, Gottfrid A., Chicago, Ill. Pencil holder. 1,890,134; Dec. 6.

Skoogh, Harry L., Olean, assignor to Art Metal Construction Company, Jamestown, N. Y. Display case or cabinet. 1,870,534; Aug. 9.

Skopik, Oskar L., Berlin, Germany. Differential servomotor braking device. 1,877,430; Sept. 13.

Skorkovsky, Jaroslav, Vinohrady, Prague, Czechoslovakia, assignor to John Fillans Barr, Drogheda, Irish Free State. Machine for the manufacture of reenforced concrete pillars, high pressure tubes, and the like. 1,868,398; July 19.

Skoverski, John R., Berkeley, assignor of one-half to G. H. Roberts and one-half to Joseph Schor, San Francisco, Calif. Dispensing device. 1,883,829; Oct. 18.
Skowron, Edmund A. (See Woodings, E., and Skowron.)
Skowronski, Rose. (See McClaughry, R. S., and Skowronski.)
Skrupp, Siegfried, Wurzburg, K. Schöllkopf, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Preparing thymol. 1,886,311; Nov. 1.
Skreen, Orlando O., Minneapolis, Minn. Vapor supply device for engines. 1,879,557; Sept. 27.
Skriba, Rudolph A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Abrading apparatus. 1,862,588; June 14.
Skriba, Rudolph A., and F. J. Littell, assignors to F. J. Littell Machine Company, Chicago, Ill. Automatic feed for assembling presses. 1,880,447; Oct. 11.
Skroza, Thomas S. (See Antich, Anton M., assignor.)
Sky Projector Corporation. (See Matthews, Harry G., assignor.)
Sky Specialties Corporation. (See Stover, Frank B., assignor.)
Slack, John A. (See Daniels, M. H., and Slack.)
Slade, Allen A., et al. (See Bihler, Roger, assignor.)
Slade, Edward, New York, N. Y. Apparatus for making stranded and covered wires. 1,880,447; Oct. 4.
Slade, Harold E., Glen Ridge, and J. Gehring, Jersey City, assignors of one-half to Beaver Manufacturing Company, Newark, N. J., one-fourth to R. Eckstein, New York, and one-fourth to M. Polis, Brooklyn, N. Y. Electric current tap. 1,866,865; July 12.
Slade, Harold E., Glen Ridge, and J. Gehring, Jersey City, N. J., assignors to Beaver Manufacturing Company. Electric socket. 1,875,270; Aug. 30.
Slade, Leon D., assignor to Gleason Works, Rochester, N. Y. Gear cutting machine. 1,863,247; June 14.
Sladkey, Edwin W., Joliet, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical switch and control circuit therefor. 1,883,247; Oct. 18.
Sladky, Alexander C. (See Sladky, Joseph and A. C.)
Sladky, Alexander C. and J., assignors to The National Enameling & Stamping Company, Milwaukee, Wis. Door mounting and closing mechanism. 1,849,599; Mar. 15.
Sladky, Joseph. (See Sladky, Alexander C. and J.)
Sladky, Joseph and A. C., assignors to National Enameling & Stamping Co., Inc., Milkaukee, Wis. Gasoline burning device. 1,863,683; Feb. 23.
Sladky, Joseph, and A. C., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. Temperature actuated automatic control device. 1,862,100; June 7.
Sladky, Joseph and A. C., Milwaukee, assignors to National Enameling & Stamping Company, Inc., Milwaukee County, Wis. Constant level safety device for liquid fuel lighters. 1,887,960; Nov. 15.
Sladky, Frank, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Shell and cap for electric light sockets. 1,858,377; May 17.
Sladky, Frank W., and O. Kupferman, assignors to Leviton Manufacturing Company, Inc., Brooklyn, N. Y. Electric switch. 1,869,961; Aug. 2.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Buffalo, N. Y. Dehydrator. 1,839,350; Jan. 5.
Slagel, Franklin G., Buffalo, N. Y., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,867,716; July 19.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Evaporator for mechanical refrigeration. 1,869,173; July 26.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Heat transfer device. 1,869,174; July 26.
Slager, John G. (See Rataiczak, T. F., and Slager.)
Slagh, Harold R. (See Britton, E. C., and Slagh.)
Slagle, Edgar A., Cranford, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Purification of ceramic materials by sodium cyanide. 1,866,727; July 12.
Slama, Richard, Philadelphia, Pa., assignor of one-half to A. R. Hoesch, Geneva, N. Y. Pasteurizing apparatus. 1,867,771; July 19.
Slamen, Albert C., Melbourne, Victoria, Australia. Fish landing net. 1,857,826; May 10.
Slatcher, Alfred G., Cleveland, Ohio. Fluid actuated tool. 1,862,637; June 14.
Slatcher, Alfred G., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill of the valveless type. 1,849,208; Mar. 15.
Slatcher, Alfred G., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Air line lubricator. 1,863,551; June 14.
Slatcher, Alfred G., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Steel retainer. 1,865,340; June 28.
Slate Construction Company. (See Slate, McLennen C., assignor.)
Slate, McLennen C., assignor to Slate Construction Company, Albany, Oreg. Hydraulic control apparatus for scrapers. 1,845,349; Feb. 16.
Slaten, Albert, Minneapolis, Minn. Butter cutter. 1,872,517; Aug. 16.
Slater, Burr H. (See Barok, G. D., and Slater.)
Slater, Frazeur S., and A. J. Miller, Detroit, Mich.; said Slater assignor to said Miller. Weatherproof metal casement window. 1,868,080; July 19.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic tool. 1,860,628; May 31.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,861,984; June 7.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Percussive tool. 1,874,372; Aug. 30.
Slater, Guy P., Sand Springs, Okla. Fluid lift for use in wells. 1,892,636; Dec. 27.
Slater, Harold J., Bristol, R. I. Collapsible bow and arrow stand. 1,851,779; Mar. 29.
Slater, Henry B., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Preparing disinfected fruit. 1,842,696; Jan. 26.
Slater, Nelson, Webster, Mass. File fabric. 1,843,651; Feb. 2.
Slater, Nelson, assignor to S. Slater & Sons, Inc., Webster, Mass. File fabric. 1,887,477; Nov. 8.
Slater, S., & Sons, Inc. (See Slater, Nelson, assignor.)
Slatis, Abraham, Chicago, Ill. Ring or similar article. Des. 87,530; June 28.
Slatkin, Solomon. (See Jackson, Joseph W., assignor.)
Slattery, Thomas F. (See Boyle, N. T., and Slattery.)
Slaughter, George H., Benton Harbor, Mich. Trocar. 1,848,727; Feb. 16.
Slaughter, Graham, Greenville, S. C. Lug member for looms. 1,879,558; Sept. 27.
Slauson, Stephen A., and Cecil, Rapids, Iowa. Clothes drying rack. 1,839,607; Jan. 5.
Slawinski, Alexander, Poznan, Poland. Method and apparatus for the determinations of the concentration of blood, milk, and other suspensions by means of electric current. 1,860,397; May 31.
Slaymaker Electric Welding Company. (See Slaymaker, Robert K., assignor.)
Slaymaker Lock Company, The. (See Sabo, Julius G., assignor.)
Slaymaker, Robert K., assignor to Slaymaker Electric Welding Company, Detroit, Mich. Display rack for fruits, vegetables, and the like. 1,860,606; May 31.
Slayton, Frank T., Ridley Park, Pa., assignor to J. Robinson, New York, N. Y. Angle cock. 1,842,211; Jan. 19.
Slayton, Robert E., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,884,895; Oct. 25.
Sledge, William P., and J. Le Frank, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Feeding device for cans. 1,850,480; Mar. 22.
Slee, Arthur L. (See Huston, J., and Slee, assignors.)
Slee, Arthur L., San Francisco, Calif. Folding table. 1,891,734; Dec. 20.
Sleeman, William C., Birmingham, Ala. Double acting draft gear. 1,852,486; Apr. 5.
Sleeper & Hartley. (See Nigro, Michel, assignor.)
Sleeper & Hartley, Inc. (See Nigro, Michel, assignor.)
Sleeper & Hartley, Inc. (See Nigro, Michel and A. C., assignors.)
Sleeper, Harvey P. (See Walter, George F., assignor.)
Sleeper, Ned M., Upper Lake, Calif., assignor of one-third to W. H. Edmands and one-third to J. C. McFadyen. Toy airplane. 1,859,805; May 24.
Sleicher, Charles A. (See Willcutt, W. B., and Sleicher.)
Sleight, Thomas R., Sylvania, Ohio. Pipe finishing tool. 1,839,708; Jan. 5.
Slepian, B., Company. (See Slepian, Joseph, assignor.)
Slepian, Joseph. (See Ludwig, L. R., and Slepian.)
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Space current device. 1,838,999; Jan. 5.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical conductor. 1,840,202; Jan. 5.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rectifier. 1,842,212; Jan. 19.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transmission line. 1,844,909; Feb. 9.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Copper oxide rectifier. 1,844,928; Feb. 9.
Slepian, Joseph, Pittsburgh, Pa., assignor to B. Slepian Company. Shoe tap. 1,863,356; June 14.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Direct current supply system. 1,866,679; July 12.
Slessor, William, and W. H. Millar, Belfast, Ireland. Hydraulic variable speed gear. 1,851,456; Mar. 29.
Sleszynski, Alex. (See Koslowski, K., and Sleszynski.)
Slette, I. O. (See Hage, Robert R., assignor.)
Slezak, Marie K., Jamaica, N. Y. Cosmetic container. 1,868,399; July 19.
Slichter, Louis B., assignor to Mason, Slichter & Gauld, Inc., Madison, Wis. Locating leaks in reservoirs. 1,886,914; Nov. 8.

Slick, Edwin E., Pittsburgh, Pa. Container and closure retaining means therefor. 1,841,987; Jan. 19.
Slick, Edwin E., Pittsburgh, Pa. Block mold. 1,844,987; Feb. 16.
Slick, Edwin E., Pittsburgh, Pa. Lifting lug and pouring spout. 1,852,198; Oct. 11.
Slick, Edwin E., Pittsburgh, Pa. Glass furnace. 1,853,023; Oct. 18.
Slick, Edwin E., Pittsburgh, Pa. Glass working apparatus. 1,855,302; Nov. 1.
Slick, Edwin E., Pittsburgh, Pa. Method and apparatus for molding plastics. 1,855,303; Nov. 1.
Slick, Edwin E., Pittsburgh, Pa. Glass working machine. 1,888,396; Nov. 22.
Slick, Edwin E., Pittsburgh, Pa. Apparatus for shaping materials. 1,888,397; Nov. 22.
Slidell, Kemper. (See Hathaway, W., and Slidell.)
Slidell, Kemper. (See Wyatt, L. M., and Slidell.)
Slidell, Kemper, Madison, Ill., assignor, by mesne assignments, to American Face Brick Research Corporation. Molding bloated cellular blocks. 1,840,609; Jan. 12.
Slidell, Kemper, Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Cellular building material. 1,839,539; May 24.
Slidell, Kemper, Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Kiln for the manufacture of bloated clay products. 1,864,769; June 28.
Slidell, Kemper, Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Producing cellular material. 1,864,770; June 28.
Slidell, Kemper, and S. Q. Lee, Madison, Wis., assignors, by mesne assignments, to American Face Brick Research Corporation. Producing cellular building material. 1,845,350; Feb. 16.
Slidell, Kemper, and S. Q. Lee, Madison, Wis., assignors, by mesne assignments, to American Face Brick Research Corporation. Producing columns of bloated material. 1,877,147; Sept. 13.
Slingerland, Claude S. and C. C., assignors of one-third to A. Hollenbeck, Portville, N. Y. Windshield wiper. 1,854,074; Apr. 12.
Slingerland, Clayton C. (See Slingerland, Claude S., and C. C.)
Slingerland, Henry A., Syracuse, N. Y. Brake testing device. 1,886,599; Nov. 8.
Slipikas, Joseph, Brooklyn, N. Y. Aeroplane parachute. 1,878,299; Sept. 20.
Slipper City Wood Heel Company. (See Kinney, Nortoz W., assignor.)
Slisz, John, East St. Louis, Ill., assignor of one-half to James R. Brockman, St. Louis, Mo. Electrolytic heater. 1,845,852; Feb. 16.
Slitcher, Charles S., Madison, Wis. Flow meter for water softeners and the like. 1,840,608; Jan. 12.
Slitter, Howard A., Glendale, Calif. Nebulizing liquids. 1,853,242; Apr. 12.
Sloan, H. H. (See Mahon, Lee Henry, assignor.)
Sloan, Harry, Fox Point, assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerating apparatus. 1,834,312; Oct. 25.
Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck. 1,844,445; Feb. 9.
Sloan, Theodore H., Charleroi, Pa., Game apparatus. 1,866,063; July 5.
Sloan, Theodore H., Charleroi, Pa., assignor to MacBeth-Evans Glass Company. Glass forming machine. 1,845,525; Feb. 16.
Sloan, William, Eagleville, Pa. Cooling coil for refrigerators. 1,848,848; Mar. 8.
Sloan, William E., Chicago, Ill. Flush valve. 1,858,470; May 17.
Sloan, William E., Chicago, Ill. Flush valve. 1,878,001; Sept. 20.
Sloane-Blabon Corporation. (See Brown, C. W., and Soissa, assignors.)
Sloane-Blabon Corporation. (See Dearden, Edward C., assignor.)
Sloane-Blabon Corporation. (See Whitney, W. E., and Hasenplug, assignors.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Multiple stage hydraulic pump. 1,849,246; Feb. 2.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,859,263; May 17.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,861,194; May 31.
Sloat, Howard M., Fairfield, Conn. Milk bottle crate. 1,876,323; Sept. 6.
Slobotkin, Nathan, Brooklyn, N. Y. Window shade adjuster. 1,852,270; Apr. 5.
Slocum, Benjamin A., assignor to M. G. Schneider, Binghamton, N. Y. Protective garment. 1,865,709; July 5.
Slocum, James, Detroit, Mich. Powder sprayer. 1,841,646; Jan. 19.
Slocum, Leslie D., Oxnard, Calif. Farm implement. 1,886,432; Nov. 8.
Slominsky, Samuel E., Chelsea, Mass. Airplane propeller. 1,891,272; Dec. 20.
Slominsky, Samuel E., Sawtelle, Calif. Airplane propeller. 1,890,097; Dec. 6.
Slonneger, John C., Milwaukee, Wis., assignor to International Harvester Company. Tinning machine. 1,868,843; July 26.
Sloss, Aaron M. (See Kempeu, Walter, assignor.)
Slotter, Charles F. (See Mathey, G. S., and Slotter.)
Slough, Frank M., Lakewood, Ohio. Liquid level indicator. 1,860,209; May 24.
Slough, Frank M., Elyria, Ohio, assignor to The Anderson Company. Indicating system and apparatus. 1,861,886; June 7.
Slough, Frank M., Elyria, Ohio, assignor to The Anderson Company. Electrical system. 1,885,048; Oct. 25.
Slough, Frank M., Lakewood, Ohio, assignor to the Anderson Company, Gary, Ind. Electric control system and apparatus. 1,885,053; Oct. 25.
Slough, Ralph M., assignor to The Ohio Oil Company, Findlay, Ohio. Combined sign and flood lighting apparatus. 1,843,844; Feb. 2.
Sloulin, Edna C., Seattle, Wash. Take-down all metal box trap. 1,866,276; July 12.
Slow Motion Suspension Limited. (See Hortsmann, Sidney A., assignor.)
Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making tire-bead cores. 1,841,260; Jan. 12.
Sluss, Arthur F., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,850,731; Mar. 22.
Sluzele, Walter, Newark, N. J. Station indicator. 1,852,925; Apr. 12.
Sly, W. W., Manufacturing Company, The. (See Boesger, George A., assignor.)
Small, Alfred L., jr., Ocala, Fla. Game apparatus. 1,856,117; May 3.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,841,502; Jan. 19.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,844,078; Feb. 9.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,853,936; Apr. 12.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Car coupler operating device. 1,865,729; July 5.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 1,877,369; Sept. 13.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Grab iron for railway cars. 1,859,346; May 24.
Small, Arthur E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Load lifting device for railway cars. 1,862,711; June 14.
Small, Arthur E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Load lifting arrangement for railway cars. 1,862,712; June 14.
Small, Arthur E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Load lifting beam for railway cars. 1,868,179; July 19.
Small, Arthur R. (See Gilpin, G. G., and Small.)
Small, Chesley T., St. Louis, Mo. Cap feeding machine. 1,842,053; Jan. 19.
Small, Chesley T., St. Louis, Mo. Key construction. 1,856,128; Nov. 1.
Small, Claude M., W. M. Sublette, Baldwin Park, and E. J. Boehmer, Alhambra, Calif. Automatic toilet bowl ventilator. 1,840,939; Jan. 12.
Small, Frank M. (See Wells, R., and Small.)
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Vehicle body. 1,847,041; Feb. 23.
Small, Frederick T. (See Walton, C. D., and Small.)
Small, George B., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Pneumatic pumping apparatus. 1,868,701; June 21.
Small, Jacob, Baltimore, Md. Shirt form. 1,880,027; Sept. 27.
Small, James W. assignor of one-half to E. W. Pahlke, Chicago, Ill. Vender's trailer. Des. 86,752; Apr. 12.
Small, John D. (See Jones, C. L., and Small.)
Small, John D., assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Apparatus for applying pressure. 1,843,002; Jan. 26.
Small, John D., assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerator car and detachable unit therefor. 1,864,259; June 21.
Small, John D., Douglaston, assignor to Dryice Corporation of America, New York, N. Y. Centrifugal method and apparatus for making solid carbon dioxide. 1,884,313; Oct. 25.
Small, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for handling strip material. 1,862,040; June 7.
Small, John W. (See Moler, Abraham L., assignor.)
Small, Lewis F., Braintree, Mass. Last. 1,841,304; Jan. 12.
Small, Nathaniel C., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. Re18,435; Apr. 19.
Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Air lateral for ice cans. 1,848,275; Mar. 8.

Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Carbon dioxide snow machine. 1,861,328; May 31.
Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Carbon dioxide ice machine. 1,863,287; June 14.
Small, Thomas W., Huntington, assignor to The Capehart Corporation, Fort Wayne, Ind. Automatic phonograph. 1,854,960; Apr. 19.
Small, Thomas W., Huntington, assignor, by mesne assignments, to Capehart Corporation, Fort Wayne, Ind. Automatic phonograph. 1,872,835; Aug. 23.
Smalley, Edwin L., assignor to Ivin Manufacturing and Supply Co., Chicago, Ill. Strain insulator. 1,864,951; June 28.
Smalley, Edwin L. (See Condit, F. J., and Smalley.)
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Supporting means for electric heating elements. 1,853,382; Apr. 12.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi-Duty Electric Company, Milwaukee, Wis. Recuperative counterflow furnace. 1,867,772; July 19.
Smalley, Ira E. (See Gothman, L., and Smalley.)
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Fuse. 1,850,813; Mar. 22.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Electrode for neon vacuum tube. 1,877,494; Sept. 13.
Smallhouse, Albert A., Los Angeles, Calif. Combination check, pilot, and unloading valve for compressed air systems. 1,857,260; May 10.
Smallman, Harry, assignor to Hill-Independent Mfg. Co., Philadelphia, Pa. Turning-roll for dating-stamps. 1,847,143; Mar. 1.
Smallman, Harry, assignor to Hill-Independent Mfg. Co., Philadelphia, Pa. Turning-roll for dating-stamps. 1,847,144; Mar. 1.
Smallman, Harry, assignor to Hill Independent Manufacturing Company, Philadelphia, Pa. Hand stamp. 1,870,900; Aug. 9.
Smallwood, Albert A., Martinsburg, W. Va. Freight car hand brake attachment. 1,860,907; May 31.
Smally, Emanuel C., Canton, Ohio. Illuminating device. 1,870,147; Aug. 2.
Smally, Emanuel C., Canton, Ohio. Connection for illuminating device. 1,878,088; Sept. 20.
Smalts, Claude B., Winchester, Va. Plant stake. 1,868,371; July 19.
Smart, Ora, assignor to General Motors Corporation, Detroit, Mich. Chassis lubricating system. 1,848,082; Mar. 1.
Smart, Morris, Harrisburg, Pa. Bathing suit. 1,868,854; July 26.
Smart, Charles E., assignor to W. & L. E. Gurley, Troy, N. Y. Surveying sheet micrometer. 1,875,559; Sept. 27.
Smart, Willard R., Los Angeles, Calif. Furniture. 1,873,347; Aug. 23.
Smartt, Brinay. (See Bryan, J. M., and Smartt.)
Smed, Peer, Woodhaven, N. Y., and F. W. Stark, Meriden, Conn., assignors to Waldorf-Astoria Hotel Corporation, New York, N. Y. Fork or other article of flatware. Des. 86,553; Mar. 15.
Smed, Peer, Woodhaven, N. Y., and F. W. Stark, Meriden, Conn., assignors to Waldorf-Astoria Hotel Corporation, New York, N. Y. Dish or other similar article of hollowware, china, or glass. Des. 86,554; Mar. 15.
Smede, Lloyd, and E. B. Shand, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, Article of manufacture and making it. 1,852,093; Apr. 5.
Smedley, John H., Babylon, N. Y. Boat construction. 1,880,366; Oct. 4.
Smedley, Samuel R. (See Wingo, W. W., Smedley and Babb.)
Smedley, Victor C., et al. (See Roessner, William L., assignor.)
Smelik, Frank, and L. J. Krudwig, St. Louis, Mo. Carbide lamp. 1,852,862; Apr. 5.
Smellie, Donald G., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,842,213; Jan. 19.
Smellie, Donald G., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,851,651; Mar. 29.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,878,901; Sept. 20.
Smellie, Donald G., Canton, Ohio, assignor to The Hoover Company. Suction cleaner agitator. 1,885,382; Nov. 1.
Smellie, Donald G., Canton, Ohio, assignor to The Hoover Company. Suction cleaner agitator. 1,886,129; Nov. 1.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,889,224; Nov. 29.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,891,503; Dec. 20.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,891,504; Dec. 20.
Smelser, Chester E., Shelbyville, Ind. Automatic brake control. 1,892,541; Dec. 27.
Smelser, Frank, Deer Lodge, Mont. Smoking equipment. 1,846,460; Feb. 23.
Smeltverk, Odda A/S; the Firm. (See Johnson, Erling, assignor.)
Smickle, Raymond H., Belvidere, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,874,130; Aug. 30.
Smidlein, Anthony E., Yonkers, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc. Carpet. Des. 88,177; Nov. 1.
Smidlein, Anthony E., Yonkers, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,367; Nov. 22.
Smidlein, Anthony E., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,442; Dec. 29.
Smidlein, Anthony E., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,684; Dec. 13.
Smidlein, Anthony E., New York, N.Y ., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,685; Dec. 13.
Smiley, George W., New Holland, Ohio. Hog feeder. 1,844,610; Feb 9.
Smilde, Henry J., Chicago, Ill. Vacuum cleaner. 1,867,284; July 12.
Smith, F. L., & Co. (See Ahlmann, Nikolai, assignor.)
Smith, F. L., & Co. (See Middelboe, Kristian, assignor.)
Smith, F. L., & Co. (See Nielsen, Christian, assignor.)
Smith, F. L., & Co. (See Nielsen, Niels, assignor.)
Smith, F. L. & Co. (See Pontoppidan, Carl, assignor.)
Smith, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, F. L. & Co. (See Weisshuhn, Ernst, assignor.)
Smith, Leonard, New York, N. Y., and R. H. Crist, Grantwood, N. J., assignors to Luco Products Corporation, Brooklyn, N. Y. Plasticizing urea-formaldehyde condensation products. 1,886,600; Nov. 8.
Smiley, Alfred M., et. al., directors. (See Smiley, Alfred M., assignor.)
Smiley, Alfred M., Chicago, Ill., assignor to A. M. Smiley, J. B. Killian, F. Marriott, T. E. Burns, L. M. Sippel, R. Benninger, and L. M. Feigenbaum, directors of St. Louis Carburetor Company. Carburetor. 1,840,295; Jan. 5.
Smiley, Pearl Y., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making footwear. 1,885,383; Nov. 1.
Smiley, Samuel, jr., Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio. Partition or wall construction. 1,844,696; Feb. 9.
Smiley, Samuel, jr., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Partition and post construction. 1,849,811; Mar. 15.
Smiley, Samuel, jr., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Partition or wall construction. 1,849,852; Mar. 15.
Smiley, Samuel, jr., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Partition and post construction. 1,850,090; Apr. 12.
Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Filing tray. 1,863,946; June 21.
Smith, A. O., Corporation. (See Andren, Birger T., assignor.)
and Crawford, assignors.)
Smith, A. O., Corporation. (See Andren, B. T., Heineman, Smith, A. O., Corporation. (See Andrus, Orrin E., assignor.)
Smith, A. O., Corporation. (See Andrus, O. E., and Hermanson, assignors.)
Smith, A. O., Corporation. (See Burnish, Howard J., assignor.)
Smith, A. O., Corporation. (See Crawford, William E., assignor.)
Smith, A. O., Corporation. (See Furrer, Rudolph, assignor.)
Smith, A. O., Corporation. (See Graham, William T., assignor.)
Smith, A. O., Corporation. (See Hasselquist, Hugo S., assignor.)
Smith, A. O., Corporation. (See Heineman, Warren F., assignor.)
Smith, A. O., Corporation. (See Hochenauer, C. J., and Smith, assignors.)
Smith, A. O., Corporation. (See Hollister, Frank H., assignor.)
Smith, A. O., Corporation. (See Larson, Louis J., assignor.)
Smith, A. O., Corporation. (See Loebel, Zanvil C., assignor.)
Smith, A. O., Corporation. (See Miller, Henry, assignor.)
Smith, A. O., Corporation. (See Nilson, E., Malke, and Holmberg, assignors.)
Smith, A. O., Corporation. (See Pollei, Harold O., assignor.)
Smith, A. O., Corporation (See Priebe, Arthur W., assignor.)
Smith, A. O., Corporation. (See Priebe, A. W., and Tiedemann, assignors.)
Smith, A. O., Corporation. (See Richter, Walther, assignor.)
Smith, A. O., Corporation. (See Richter, W. E., assignor.)
Smith, A. O., Corporation. (See Richter, W. and W. E., assignors.)
Smith, A. O., Corporation. (See Smith, Lloyd R., assignor.)
Smith, A. O., Corporation. (See Straty, Stephen, assignor.)

Smith, A. O., Corporation. (See Stresau, Richard, assignor.)
Smith, A. O., Corporation. (See Stresau, R., and Chyle, assignors.)
Smith, A. O., Corporation. (See Uecker, Otto E., assignor.)
Smith, A. O., Corporation. (See Whitman, Fred H., assignor.)
Smith, A. O., Corporation. (See Wojciechowski, Joseph J., assignor.)
Smith, Albert E. (See Warren, H. W. H., Garton, and Smith.)
Smith, Albert G., Akron, Ohio, assignor, by mesne assignments, to The Miller Rubber Company, Inc., Wilmington, Del. Tube mandrel chucking device. 1,852,827; Apr. 5.
Smith, Albert K., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Separating caustic soda and sodium chloride. 1,865,281; June 28.
Smith, Albert K., Shaker Heights Village, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Flake magnesium chloride and making same. 1,871,428; Aug. 9.
Smith, Albert K. Shaker Heights Village, and W. R. Veazey, Cleveland Heights, Ohio, assignors to The Dow Chemical Company, Midland, Mich. Dehydration of magnesium chloride. 1,874,373; Aug. 30.
Smith, Albert K., Shaker Heights, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Preparing magnesium chloride from a basic chloride thereof. 1,880,505; Oct. 4.
Smith, Alfred B. (See Smith, Clifford R., and A. B.)
Smith, Alfred H., Auburn, R. I., assignor to Fulford Mfg. Co. Cover and initial mounting. 1,867,424; July 12.
Smith, Alfred L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Tuning device for wind musical instruments. 1,870,211; Aug. 2.
Smith, Alex J., Bloomfield, assignor to Hartford-Empire Company, Hartford, Conn. Continuous two-tube glassware forming machine. 1,888,438; Nov. 22.
Smith, Alva T., Milwaukee, Wis. Electric flatiron attachment. 1,858,250; May 17.
Smith, Anthony N., assignor to The Girard Model Works Inc., Girard, Pa. Savings bank. 1,884,314; Oct. 25.
Smith, Archibald C., Paterson, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe finishing machine. 1,841,647; Jan. 19.
Smith, Armand M. (See Smith, George N., assignor.)
Smith, Arnold H., Akron, and C. L. Shreiner, Barberton, assignors to The Rubber Service Laboratories Co., Akron, Ohio. Sealing compound for cans and other containers. 1,881,142; Oct. 4.
Smith, Arthur C., San Antonio, Tex. Toy. 1,886,130; Nov. 1.
Smith, Arthur C., Pasadena, assignor, by mesne assignments, to Automatic Machine Products Corp., Ltd., South Pasadena, Calif. Dispensing pump for gasoline and the like. 1,869,515; Apr. 29.
Smith, Arthur E., Newton, Mass., assignor to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall. 1,858,713; June 14.
Smith, Arthur L. Maplewood, N. J. Box for face powder and similar material. 1,887,333; Nov. 8.
Smith, Arthur L., Belmont, Wash. Warm air heating system. 1,892,015; Dec. 27.
Smith, Arthur, Port Chester, assignor to S. Sternau & Co., Inc., New York, N. Y. Stove. 1,879,554; Sept. 27.
Smith, Arthur, Port Chester, assignor to S. Sternau & Co., Inc., New York, N. Y. Stove. 1,879,955; Sept. 27.
Smith, Arthur E., Cambridge, and O. Nyzaard, Saugus, assignors to Bernitz Furnace Appliance Company, Boston, Mass. Pulverized fuel furnace. 1,858,688; May 17.
Smith, Arthur R., Newton, and H. Snow, Melrose, assignor to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall. 1,858,812; May 17.
Smith, Arthur J., Clinchfield, Va., and Smith.)
Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,851,687; Mar. 29.
Smith, Augustus, Reselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Turntable. 1,843,047; Jan. 26.
Smith, Augustus, Reselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Floating wharf. 1,871,475; Aug. 16.
Smith, B. D., Inc. (See Smith, Blanchard D., assignor.)
Smith, Barnett J., San Antonio, Texas. Garment pocket construction. 1,866,428; July 5.
Smith, Benjamin H., Maplewood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Recording volt-ampere-meter. 1,839,608; Jan. 5.
Smith, Bennie H., assignor of one-half to A. B. Murphy, Manatee, Fla. Turpentine tool. 1,888,047; Nov. 22.
Smith, Bernard F., Appleton, assignor to Paper Patents Company, Neenah, Wis. Device for distributing wood chips in pulp digesters. 1,891,957; Dec. 27.
Smith, Blanchard D., New Orleans, La. Dog racing device. 1,839,351; Jan. 5.
Smith, Blanchard D., assignor to B. D. Smith, Inc., New Orleans, La. Golf driving device. 1,889,813; Dec. 6.
Smith, Boyd H, assignor to The Autocall Company, Shelby, Ohio. Succession transmitter. 1,843,991; Feb. 9.
Smith, Burch. (See Smith, Frank L. and B.)
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Paper for bank checks and the like. Des. 85,997; Jan. 12.
Smith, Calvin, and R. J. Southwick, Somerville, N. J. Furnace. 1,886,448; Nov. 8.
Smith, Carl A., Delaware, Ohio. Concrete form. 1,858,644; May 17.
Smith, Carl D., Washington, Pa. Gas reversing valve. 1,856,516; May 3.
Smith, Carlton H., assignor to Buggeln & Smith, New York, N. Y. Pad. 1,865,149; June 28.
Smith, Carroll C. (See Lubs, H. A., Fox, and Smith.)
Smith, Cato, assignor to Towle Manufacturing Company, Newburyport, Mass. Monogram adapter. 1,888,838; Nov. 22.
Smith, Cato, assignor to Towle Manufacturing Company, Newburyport, Mass. Display device. 1,888,839; Nov. 22.
Smith, Cecil C., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Meat holding method. 1,866,508; July 5.
Smith, Cecil R., Seattle, Wash. Making pipe. 1,846,368; Feb. 23.
Smith, Charles D., Sharon Hill, assignor to The Dallett Company, Philadelphia, Pa. Stencil. 1,882,526; Oct. 11.
Smith, Charles E. (See Smith, Joseph D., assignor.)
Smith, Charles E., Sylva, N. C., assignor to Mead Paperboard Corporation, Wilmington, Del. Paper manufacture. 1,879,560; Sept. 27.
Smith, Charles F., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Straw cutting machine. 1,839,778; Jan. 5.
Smith, Charles F., Brooklyn, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Tube cutting mechanism. 1,878,985; Sept. 20.
Smith, Charles G. (See Cook, Charles A., assignor.)
Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon, Inc., Cambridge, Mass. Electrical apparatus. Re18,368; Mar. 1.
Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Rectifying system. 1,843,521; Feb. 2.
Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Electric discharge apparatus. 1,861,098; May 31.
Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Gaseous conduction method and apparatus. 1,863,702; June 21.
Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Electron device. 1,864,378; June 21.
Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Gaseous conduction apparatus. 1,878,338; Sept. 20.
Smith, Charles H. (See Smith, Russell T. and C. H.)
Smith, Charles H., Wildcroft, Danbury, England, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Device for securing sleeves, collars, or the like on cylindrical shafts. 1,871,092; Aug. 9.
Smith, Charles M., et al. (See Dillon, Paul S., assignor.)
Smith, Charles P., Tulsa, Okla., assignor to Burst-Webster Engineering and Sales Company, St. Louis, Mo. Powder dispenser. 1,872,836; Aug. 23.
Smith, Charles P., and G. Newton, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Automatic switching mechanism. 1,886,059; Nov. 1.
Smith, Charles S. (See Hochenauer, C. J., and Smith.)
Smith, Chester W., Lynn, Mass., assignor to General Electric Company. Diffuser for centrifugal compressors. 1,879,561; Sept. 27.
Smith, Christina J., Sonoma, Calif. Screen fly trap. 1,859,988; Oct. 4.
Smith, Clara M., Brockton, Mass. Attachment for sewing machines. 1,887,142; Nov. 8.
Smith, Clarence C. (See Baker, F. F., and Smith.)
Smith, Clarence C., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing machines. 1,854,564; Apr. 19.
Smith, Clarence K., Hermosa Beach, assignor of one-third to M. Newhouse and one-third to S. O. Newhouse, Long Beach, Calif. Water purifier. 1,863,947; June 21.
Smith, Clarence W., Media, Pa., assignor of one-half to P. Buchanan and one-fourth to L. G. Vandersall. Automatic cut-off valve for storage tanks. 1,857,409; May 10.
Smith, Claude F., Long Beach, Calif. Trailer. 1,852,984; Apr. 5.
Smith, Clifford D., Fairlawn, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tool. 1,853,259; Apr. 26.
Smith, Clifford R., and A. B. Smith, Wolverhampton, England. String arrangement. 1,879,828; Sept. 27.
Smith, Clinton D., Russell, Iowa. Field conditioning machine. 1,880,113; Sept. 27.
Smith, Clyde J., assignor to Morgan & Wright, Detroit, Mich. Coating machine. 1,851,734; Mar. 29.
Smith, Clyde L. (See Harnsberger, A. E., and Smith.)
Smith, Clyde L., and C. B. Watson, assignors to The Pure Oil Company, Chicago, Ill. Converting oil. 1,887,047; Nov. 8.
Smith, Curtiss F., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Mop strand cutting machine. 1,850,853; Mar. 22.
Smith, D. B., & Company. (See Smith, Myron H., assignor.)

Smith, Daniel W., Oak Park, Ill., assignor to International Harvester Company. Harvester. 1,859,177; May 17.
Smith, Daniel W., Oak Park, Ill., assignor to International Harvester Company. Twine tension device for grain binders. 1,878,902; Sept. 20.
Smith, David. Hamilton, Ohio. Indicating gauge. 1,867,387; July 12.
Smith, David C., assignor to Kadow Foundation Inc., Toledo, Ohio. Visibility promotion. 1,849,554; Mar. 15.
Smith, David C., and W. P. Walden, Shreveport, Iowa. Spark plug. 1,891,693; Dec. 20.
Smith, David C. (See Rodgers, H. W., and Smith.)
Smith, David J., Mapledurham, assignor to Compound Gas Power Company, Limited, Reading, Berkshire, England. Gas producer. 1,865,341; June 28.
Smith, David U., Woburn, Mass. Apparatus for drying gelatin and the like. 1,889,880; Dec. 6.
Smith & Davis Manufacturing Company. (See Duva II, William J., assignor.)
Smith & Davis Manufacturing Company. (See Duvall, William J., assignor.)
Smith and Davis Manufacturing Company. (See Gombar, Joseph, assignor.)
Smith, Dennis W., Wilmette, Ill., assignor to Colborne Manufacturing Company, Chicago, Ill. Pie crust roller. 1,871,753; Aug. 16.
Smith, Dennis W., Wilmette, assignor to Colborne Manufacturing Co., Chicago, Ill. Pie separator and trimmer for pie making machinery. 1,871,754; Aug. 16.
Smith, Dennis W., Wilmette, assignor to Colborne Manufacturing Co., Chicago, Ill. Pie separating and trimming mechanism. 1,871,755; Aug. 16.
Smith, Dillon Jr., Pensacola, Fla., J. Pieper and C. C. Vogt, Lancaster, assignors to Armstrong Cork Company, Lancaster, Pa. Manufacture of fibrous articles. 1,873,056; Aug. 23.
Smith, Drum & Company. (See Jaxheimer, William H., assignor.)
Smith, Drum & Company. (See Schroeder, Harold, assignor.)
Smith, Drum & Company. (See Skitt, James H., assignor.)
Smith, E. M. Company. (See McLaine, W. L., and Sperry, assignors.)
Smith, Earl D., Kenvil, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Making basic aluminum sulphate. 1,873,348; Aug. 23.
Smith, Earl H. (See McCuen, C. L., Dykstra, Smith, and Wolfram.)
Smith, Earl P., Brighton, Boston, Mass. Hand stamp. 1,839,352; Jan. 5.
Smith, Earle E., West Springfield, Mass. Combined street and traffic sign. 1,855,776; Nov. 1.
Smith, Ed S., jr., assignor to Builders Iron Foundry, Providence, R. I. Rotary low pressure flow meter. 1,849,179; Mar. 15.
Smith, Edgar B., et al. (See Sager, William O., assignor.)
Smith, Edward B., Cleveland, Ohio, assignor to General Electric Company. System of motor control. 1,861,245; May 31.
Smith, Edward B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph exchange switchboard. 1,867,333; July 12.
Smith, Edward K., Chicago, Ill. Baseball game. 1,850,778; Mar. 22.
Smith, Edward M. (See Hait, James M., jr., assignor.)
Smith, Edward M. (See Wintroath, John A., assignor.)
Smith, Edward R., Berkeley, Calif. Photographic printing frame. 1,854,279; Apr. 19.
Smith, Edward W., Hotel Warren, St. Louis, Mo. Necktie holder. 1,868,674; July 26.
Smith, Edward W., Philadelphia, Pa. Manufacturing storage battery plates. 1,879,562; Sept. 27.
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Work handling mechanism for machine tools. Re18,559; Aug. 9.
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Automatic lathe. 1,841,988; Jan. 19.
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Tool slide and actuating mechanism therefor. 1,856,196; May 3.
Smith, Elberon D., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Safety device for cigarette cut-off. 1,876,028; Sept. 6.
Smith, Elberon D., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cigarette rod forming mechanism. 1,876,029; Sept. 6.
Smith, Elberon D., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cigarette feed tobacco compressor. 1,892,257; Dec. 27.
Smith, Ella G., Challis, Idaho. Stove pipe anchor. 1,853,468; Apr. 12.
Smith, Elmer H., trustee. (See Smith, Elmer H., assignor.)
Smith, Elmer H., Minneapolis, Minn., assignor, by mesne assignments, to E. H. Smith, as trustee for himself and W. E. Johnson and J. J. Huebscher. Bread toaster. Re18,566; Aug. 9.
Smith, Elmer H. assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Gun. 1,883,028; Oct. 18.
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Toy machine-gun. 1,883,029; Oct. 18.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,850,091; Apr. 12.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Paper registering device. 1,873,057; Aug. 23.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Automatic feed for wrapping machines. 1,873,058; Aug. 23.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,873,060; Aug. 23.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,844,806; Feb. 9.
Smith, Elmer L., Longmeadow, and F. B. Fuller, assignors to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,851,467; Mar. 29.
Smith, Elmer L., Longmeadow, and F. B. Fuller, assignors to Package Machinery Company, Springfield, Mass. Carton sealing mechanism. 1,854,075; Apr. 12.
Smith, Elmer L., Longmeadow, and F. B. Fuller, assignors to Package Machinery Company, Springfield, Mass. Carton opening and filling machine. 1,873,059; Aug. 23.
Smith, Elvira S., Newark, N. J. Bed covering. 1,885,558; Nov. 1.
Smith-Emery Company. (See Ball, I. J., and Ingram, assignors.)
Smith, Emil, assignor to The Wallingford Company, Inc., Wallingford, Conn. Cover-holder for vessels. 1,847,228; Mar. 1.
Smith, Emory E., assignor to L. Livingston, San Francisco, Calif. Viscosity indicating device. 1,869,718; Aug. 2.
Smith, Emory T., Ludlow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cutter for skiving machines. 1,870,727; Aug. 9.
Smith Engineering Works. (See Munro, Alexander L., assignor.)
Smith Engineering Works. (See Nye, Ralph D., assignor.)
Smith Engineering Works. (See Rumpel, Harvey H., assignor.)
Smith, Ernest A. (See Scott, L. E., and Smith.)
Smith, Ernest I., assignor to Ringlette Permanent Company, San Francisco, Calif. Hair curling apparatus. 1,859,900; Jan. 5.
Smith, Ernest J., London, England, assignor to Goss Printing Press Company, Chicago, Ill. Printing press. 1,864,439; Mar. 31.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company. Web controlling apparatus. 1,869,902; May 31.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press and web renewing mechanism therefor. 1,861,823; June 7.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,861,824; June 7.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company. Printing press. 1,861,825; June 7.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,860,362; Oct. 4.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,860,363; Oct. 4.
Smith, Ernest J., Fleet Street, London, England, assignor to Goss Printing Press Company. Web controlling apparatus. 1,890,267; Dec. 6.
Smith, Ernest L., assignor to Ringlette Permanent Company, San Francisco, Calif. Apparatus for use in connection with hair curling and waving devices. 1,849,770; Mar. 15.
Smith, Ernest, and W. B. Powell, Hamilton, Ontario, assignors to Appleford Paper Products Limited, Hamilton, Canada. Jogger for printing presses. 1,865,282; June 28.
Smith, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smith, Francis, Silt, Colo. Horse hay rake ejector. 1,861,575; May 31.
Smith, Francis X., New York, assignor of one-half to G. W. Beatty, Brooklyn, N. Y. Emergency release valve. 1,878,002; Sept. 20.
Smith, Frank, Elland, England. Air filter. 1,863,456; June 14.
Smith, Frank D., Kew, assignor to Zero Heat Cone Containers Proprietary Limited, Melbourne, Victoria, Australia. Ice cream cone supporting device for use with refrigerating safes. 1,890,420; Dec. 6.
Smith, Frank H., Philadelphia, Pa., and H. A. Stringfellow, Akron, Ohio. Joining pipes. 1,889,795; Dec. 6.

Smith, Frank H., Hoboken, N. J., and H. A. Strinsdellow, Philadelphia, Pa. Cable compacting press. 1,890,016; Dec. 6.

Smith, Frank, Oak Lane, and W. M. Barker, Philadelphia, Pa. Timing mechanism for driers, scorers, and formers. 1,880,114; Sept. 27.

Smith, Jr., Frank B. (See Mann, Seward W., assignor.)

Smith, Frank L., jr. (see Zabusky, J., and Smith.)

Smith, Frank H., Cleveland, Ohio, assignor to Southwark Foundry & Machine Company, Eddystone, Pa. Hydraulic press. 1,841,138; Mar. 29.

Smith, Frank H., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Plate bending machine. 1,872,355; Aug. 16.

Smith, Frank L., Columbiana, Ohio. Method and apparatus for making upholstery edging 1,846,369; Feb. 23.

Smith, Frank L., and B., Xenia, Ohio. Writing kit. 1,849,771; Mar. 15.

Smith, Frank R., Cleveland, Ohio. Roller skate. 1,866,134; July 5.

Smith, Frank W., Oak Park, Ill. Syringe. 1,844,265; Feb. 9.

Smith, Franklin P. (See Smith, James D., assignor.)

Smith, Franklin S., Brooklyn, N. Y. Method and apparatus for subjecting articles to X-rays. 1,856,084; May 3.

Smith, Franklin S., Brooklyn, N. Y. Construction of transformer tanks and the like. 1,867,032; July 12.

Smith, Franklin S., New Haven, Conn. Transformer construction. 1,881,136; Dec. 20.

Smith, Frazier, Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Jar. Des. 86,584; Mar. 22.

Smith, Frederick A. (see Hunt, H. S., and Smith.)

Smith, Frederick A., assignor to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,883,206; Oct. 18.

Smith, Frederick A., assignor to Oakes Products Corporation, North Chicago, Ill. Spare wheel carrier and lock. 1,883,032; Oct. 18.

Smith, Frederick A., assignor to Oakes Products Corporation, North Chicago, Ill. Fenderwell lock for spare wheels or tires. 1,892,192; Dec. 27.

Smith, Frederick R., Sherwood Rise, Nottingham, England. Carburetor. 1,884,315; Oct. 25.

Smith, Frederick Hugh, Nottingham, England. Carburetor. 1,850,090; Oct. 4.

Smith, Frederick J., Glassboro, assignor of one-half to J. N. Paff, Glen Lake, N. J. Attachment for gas governors. 1,851,598; Mar. 29.

Smith, Frederick W., assignor of one-half to W. C. Pretty, Niagara Falls, Ontario, Canada. Indicator for internal combustion engines. 1,843,789; Feb. 2.

Smith, Frederick W., Wheeling, assignor to Oakes Products Corporation, North Chicago, Ill. Spare wheel lock. 1,856,933; May 3.

Smith, Gardner M., Clayton, assignor to Kantskuf Heel Corporation, St. Louis, Mo. Apparatus for covering heels. 1,866,728; July 12.

Smith, George A. (See Smith, William R., assignor.)

Smith, George A., Sherwood, Calif., assignor, by direct and mesne assignments, to George A. Smith Turntable Corporation, Ltd. Vehicle turntable. 1,881,033; Oct. 4.

Smith, George A., Turntable Corporation. (See Smith, George A., assignor.)

Smith, George C., Stevenson, Minn. Track switch control. 1,869,985; Aug. 2.

Smith, George D., assignor to American Engineering Company, Philadelphia, Pa. Crusher roll construction. 1,884,316; Oct. 25.

Smith, George D., assignor to Norton Company, Worcester, Mass. Feeding mechanism for grinding machines. 1,872,191; Aug. 16.

Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake construction. 1,850,898; Mar. 22.

Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Automatic slack adjuster. 1,874,131; Aug. 30.

Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake mechanism. 1,874,821; Aug. 30.

Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake equallizing mechanism. 1,874,822; Aug. 30.

Smith, George M., jr. (See Corlett, E. H., and Smith.)

Smith, George M., West Haven, assignor to The Eastern Machine Screw Corporation, New Haven, Conn. Rod feeding collet. 1,846,695; Feb. 23.

Smith, George N., Hamilton, Ontario, assignor of one-half to Armand M. Union, Ontario, Canada. Milking machine. 1,891,582; Dec. 20.

Smith, Harold. (See Willshaw, H., Cowles, and Smith.)

Smith, George P. P., Stratford, and T. G. Richards, Wayne, Pa., assignors to Dispersions Process, Inc., Dover, Del. Manufacture of rubber-fiber products. 1,841,067; Jan. 12.

Smith, George S., Pittsburgh, Pa., assignor to Pittsburgh Screw & Bolt Corporation. Machine for assembling nuts and bolts. 1,840,797; Jan. 12.

Smith, George S., assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Cable support for highway barriers. 1,851,735; Mar. 29.

Smith, George S., assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Cable support for highway barriers. 1,859,575; May 24.

Smith, George W., assignor to J. M. Hopwood, Pittsburgh, Pa. Fluid analysis. 1,884,896; Oct. 25.

Smith, George W., assignor to J. M. Hopwood, Pittsburgh, Pa. Method and apparatus for regulating combustion. 1,884,897; Oct. 25.

Smith, Gerald D., Toronto, Ontario, Canada. Horizontally rotatable winged rotor for aircraft. 1,870,928; Aug. 9.

Smith Glass Company, L. E. (See Hall, James S., assignor.)

Smith, Grant E., assignor to Pouvalsmith Corporation, Poughkeepsie, N. Y. Steering wheel. 1,841,346; Jan. 12.

Smith, Grant E., assignor to Pouvalsmith Corporation, Poughkeepsie, N. Y. Steering wheel. 1,843,744; Feb. 2.

Smith, Grant E., assignor to Pouvalsmith Corporation, Poughkeepsie, N. Y. Blanking apparatus for wheels. 1,843,905; Feb. 2.

Smith, Grant E., assignor to Pouvalsmith Corporation, Poughkeepsie, N. Y. Making wheels and wheel blanks formed thereby. 1,843,906; Feb. 2.

Smith, Grant E., assignor to Pouvalsmith Corporation, Poughkeepsie, N. Y. Making wheels. 1,847,414; Mar. 1.

Smith, Grant E., assignor to Pouvalsmith Corporation, Poughkeepsie, N. Y. Wheel and making the same. 1,853,583; Apr. 12.

Smith, Grant E., and H. S. Morgan, assignors to Pouvalsmith Corporation, Poughkeepsie, N. Y. Making molded wheels. 1,843,904; Feb. 2.

Smith, Grover C., Ogden, Utah. Corner and division bar. 1,860,754; May 31.

Smith, Guy O., Whittier, Calif. Belt clamp. 1,878,003; Sept. 20.

Smith, H. B., Company. (See Prince, Clarence K.)

Smith, Harold E. (See James, Edward, assignor.)

Smith, Harold E., Bright, assignor to The Prawdler Co., Rochester, N. Y. Heat transfer device. 1,891,058; Dec. 13.

Smith, Harry. (See Smith, John F., and H.)

Smith, Harry, St. Helens, assignor to Pilkington Brothers, Limited, Liverpool, England. Rolling of composite glass strips. 1,891,119; Dec. 20.

Smith, Harry C., New York, N. Y., assignor, by mesne assignments, to Autodrink Corporation, Dover, Del. Display and dispensing apparatus. 1,881,109; Oct. 4.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,844,528; Feb. 9.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,851,458; Mar. 29.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,854,565; Apr. 19.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,855,493; Apr. 26.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,866,373; July 5.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,866,625; July 12.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,884,317; Oct. 25.

Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Heat pump. 1,879,563; Sept. 27.

Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating or air conditioning apparatus. 1,883,024; Oct. 18.

Smith, Harry G., Dearborn, Mich. Airplane. 1,887,738; Nov. 15.

Smith, Harry G., Kings Cross, near Sydney, New South Wales, Australia. File cutting machine. 1,877,071; Sept. 13.

Smith, Harry G., Mishawaka, assignor to The Studebaker Corporation, South Bend, Ind. Vehicle spring. 1,874,647; Aug. 30.

Smith, Harry N., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Machine for cutting friction elements. 1,883,025; Oct. 18.

Smith, Harry R., Chicago, Ill. Automobile tire. Des. 87,418; July 19.

Smith, Harry R., Chicago, Ill. Automobile tire. Des. 87,419; July 19.

Smith, Harry W., North Grafton, Mass. Overflow indicator. 1,839,809; Jan. 5.

Smith, Harvey E., assignor to Aerometric Valve Corp., Portland, Oreg. Inflating hand piece. 1,876,355; Sept. 6.

Smith, Harvey S., Houston, Tex. Method of and apparatus for cementing wells. 1,839,709; Jan. 5.

Smith, Henry A., Gurley, Ala. Cotton planter and fertilizer depositor. 1,876,776; Sept. 13.

Smith, Henry B. (See Carroll, S. J., and Smith.)

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition of matter containing guaiacol acetate. 1,858,285; May 17.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition of matter containing salicyl aldehyde. 1,858,286; May 17.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition of matter containing ethyl acetyl glycollate. 1,858,287; May 17.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing diisoamyl succinate. 1,880,506; Oct. 4.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition of matter containing an ester of a brominated malonic acid. 1,880,508; Oct. 4.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic derivative composition of matter containing b-ethoxy ethyl lactate. 1,884,518; Oct. 25.

Smith, Henry L., assignor to Martin-Copeland Company, Providence, R. I. Spectacle frame. Des. 86,813; Apr. 19.

Smith, Henry N., assignor to Draper Corporation, Hopedale, Mass. Beam lock for looms. 1,868,152; July 19.

Smith, Henry R., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing a lower alkyl ester of malonic acid. 1,880,507; Oct. 4.

Smith, Henry W., Birmingham, England. Tray mold for use in the manufacture of chocolate bars and the like. 1,843,306; Feb. 2.

Smith, Herbert A., Bethlehem, Pa., assignor to Sarco Company, Inc. Trap. 1,846,226; Feb. 23.

Smith, Herbert G., Rochester, N. Y., and T. Burrick, Detroit, Mich. Fingerprint apparatus. 1,860,486; May 31.

Smith, Herbert G., Rochester, N. Y., and T. Burrick, Detroit, Mich. Identification apparatus. 1,861,367; May 31.

Smith, Herbert J., assignor to The Threadwell Tool Company, Greenfield, Mass. Tap wrench. 1,852,220; Apr. 5.

Smith, Herbert W., Newton, Mass., assignor to Air-White Company. Portable washing apparatus. 1,843,247; Feb. 2.

Smith, Herman A. (See Stafford, S. B., and Smith.)

Smith, Herman R. (See Schenectady, F. and Smith.)

Smith, Herman R. (See Upson, M. M., and Smith.)

Smith, Herman R., Douglaston, assignor to Raymond Concrete Pile Company, New York, N. Y. Forming composite piles. 1,856,000; Apr. 26.

Smith, Herman R., Douglaston, assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for forming composite piles. 1,880,668; Dec. 6.

Smith, Herman W., Louisville, Ky. Day and night rear vision mirror. 1,876,319; Sept. 6.

Smith, Herman W., jr., Schenectady, assignor to J. Porzel Lockport, N. Y. An air-circulating and temperature changing unit. 1,884,898; Oct. 25.

Smith, Herschel G., Fort Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Green bloom oil. 1,868,473; July 19.

Smith, Hiram T. (See Gilstrap, C. L., and Smith.)

Smith, Hiram W., Seattle, and J. F. Campbell, Salem, Oreg. Rotary snowplow. 1,848,554; Mar. 8.

Smith, Homer A. (See Saxe, A. C., and Smith.)

Smith, Horatio W., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Screen fastener. 1,875,271; Aug. 30.

Smith, Horatio W., A. D. Brassch, and N. Walton, assignors to Caterpillar Tractor Company, San Leandro, Calif. Harvester construction. 1,857,699; May 10.

Smith, Howard H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Voice current repeater. 1,889,005; Nov. 29.

Smith, Howard L., Lexington, Ky. Tobacco press. 1,849,175; Mar. 15.

Smith, Hubert P., Emsworth, Pa. Storage tank. 1,886,131; Nov. 1.

Smith, Ira T., Booker, Tex. Antifreeze solution. 1,878,903; Sept. 20.

Smith, Irving. (See Taylor, Walter H., assignor.)

Smith, Isidore P., Ottawa Hills, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canvas play tent. Des. 86,983; May 17.

Smith, Isidore P., Ottawa Hills, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canvas play tent. Des. 86,984; May 17.

Smith, J Amory, Los Angeles, Calif. Electrical time switch. 1,870,025; Aug. 2.

Smith, J. M. (See Hughes, J. F., and Smith.)

Smith, Jacob A., assignor to Mayer Manufacturing Corporation, Chicago, Ill. Paper sheet holder. 1,873,226; Aug. 23.

Smith, Jacob F. (See Weimer, A. W., and Smith.)

Smith, James A., Minneapolis, Minn. Automobile. Des. 87,281; June 28.

Smith, James, Auburn, Mass., assignor to J. Smith & Son, Worcester, Mass. Roll adjustment for wool combing machines. 1,845,351; Feb. 16.

Smith, James C. (See Taylor, J. S., and Smith.)

Smith, James C., San Francisco, Calif. Holder for trees, bushes, flowers, and the like. 1,856,000; Apr. 26.

Smith, James D., assignor of one-half to F. P. Smith, Chicago, Ill. Sliding doorlock. 1,875,768; Sept. 6.

Smith, James J., Philadelphia, Pa. Pressure coupling. 1,879,565; Sept. 27.

Smith, James J., assignor, by mesne assignments, to Endurable Products Co., Inc., Philadelphia, Pa. Grease fitting. 1,879,564; Sept. 27.

Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrolytic cell. 1,855,732; Apr. 26.

Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrode for electrolytic apparatus. 1,856,663; May 3.

Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrode construction. 1,865,216; June 28.

Smith, James R. (See Campen, W. H., and Smith.)

Smith, James R., and R. H. Hancock, Gosport, Ind. Computing scale. 1,841,554; Jan. 19.

Smith, James S. B., Hartford, Ky., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure or similar article. Des. 86,280; Feb. 16.

Smith, James, & Son. (See Smith, James, assignor.)

Smith, James U., Berkeley, Calif. Semifloating electric contact. 1,892,439; Dec. 27.

Smith, James W., Cleveland, Ohio. Window sash construction. 1,839,353; Jan. 5.

Smith, Jay M. (See Rosener, L. S., Chaffee, and Smith.)

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card perforating machine. Re18,657; Nov. 15.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Coupon folder. 1,861,459; June 7.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,862,772; June 14.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,866,582; July 12.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,874,823; Aug. 30.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,876,777; Sept. 13.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,876,778; Sept. 13.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter carrying case. 1,876,779; Sept. 13.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,888,052; Nov. 15.

Smith, Jesse C., New York, N. Y. Refrigerating apparatus. 1,850,509; Mar. 22.

Smith, Jesse C., assignor to International Products Corporation, New York, N. Y. Measuring-dispensing apparatus for fluids. 1,850,700; Dec. 13.

Smith, Jesse R., assignor of one-half to H. Stotlar, Benton, Ill. Drive mechanism and artificial bait. 1,840,854; Jan. 12.

Smith, John D., Oakland, Calif. Current inventory apparatus. 1,844,266; Feb. 9.

Smith, John F., Dublin, Ga. Rat trap. 1,866,228; July 5.

Smith, John F. and H., San Francisco, Calif. Dispensing tube support. 1,862,568; June 7.

Smith, John H. (See Sturni, C., and Smith.)

Smith, John H., Chicago, Ill. Racket press. 1,883,030; Oct. 18.

Smith, John H., Detroit, Mich. Quick change chuck. 1,856,973; May 3.

Smith, John H., Detroit, Mich. Adjustable tool holder. 1,861,246; May 31.

Smith, John H., Detroit, Mich. Center. 1,889,502; Nov. 29.

Smith, John H., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,540; Feb. 16.

Smith, John H., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,542; Feb. 16.

Smith, John H., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,546; Feb. 16.

Smith, John H., Mount Vernon, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,539; Feb. 16.

Smith, John H., Mount Vernon, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,541; Feb. 16.

Smith, John H., Mount Vernon, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,545; Feb. 16.

Smith, John H., Pittsburgh, Pa. Recording instrument. 1,855,613; Apr. 26.

Smith, John K., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Counter-pasting machine. 1,842,480; Jan. 26.

Smith, John L., Brooklyn, assignor to Charles Pfizer & Company, Inc., New York, N. Y. Alkali metal iodide composition. 1,869,518; Aug. 2.

Smith, John W. (See Hoernel, P. C., and Smith.)
Smith, John W., Philadelphia, Pa. Method and apparatus for forming individual shapes. 1,841,920; Jan. 19.
Smith, John W., Philadelphia, Pa. Means for milling surfaces requiring a uniform screw pitch. 1,879,566; Sept. 27.
Smith, John W., Philadelphia, Pa., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Rolling mandrel. 1,840,020; Jan. 5.
Smith, John W., assignor to Aero Service Corporation, Philadelphia, Pa. Apparatus for developing films. 1,860,059; May 24.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Chuck. 1,866,374; July 5.
Smith, John W., Syracuse, N. Y. Fuel mixing device for internal combustion engines. 1,885,559; Nov. 1.
Smith, Joseph, Liverpool, and G. D. Turton, Ripley, near Derby, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Electrical signaling system. 1,888,414; Nov. 22.
Smith, Joseph D., assignor of one-half to C. E. Smith, Marshalltown, Iowa. Accelerator attachment for motor vehicles. 1,851,929; Mar. 29.
Smith, Joseph J., deceased, Cambridge; W. J. Smith, executor, assignor to Firth-Smith Company, Boston, Mass. Apparatus for operating on spinning frames and other machines. 1,857,410; May 10.
Smith, Joseph J., deceased, Cambridge, by W. J. Smith, Brockton, executor, assignor to Firth-Smith Company, Boston, Mass. Track and trolley wire structure for electrically operated vehicles. 1,858,118; May 10.
Smith, Joseph J., Philadelphia, Pa. Dispensing device. 1,872,837; Aug. 23.
Smith, Joseph K., Detroit, Mich., assignor to Beryllium Development Corporation, New York, N. Y. Alloy. 1,859,413; May 24.
Smith, Joseph Kent, Detroit, Mich., assignor to Beryllium Development Corporation, New York, N. Y. Alloys. 1,868,293; July 19.
Smith, Joseph L., Buffalo, N. Y., assignor, by mesne assignments, to Carlisle Manufacturing Company, Decatur, Ill. Lighter. 1,885,869; Nov. 1.
Smith, Joseph W., Cambridge, Ohio. Multifocal eye-testing device. 1,871,294; Aug. 9.
Smith, Karl F. (See Morris, Harry P., assignor.)
Smith, Kenneth L., Des Plaines, Ill. Wall structure. 1,884,319; Oct. 25.
Smith, L. C. & Corona Typewriters Inc. (See Gabrielson, Carl, assignor.)
Smith, L. C. & Corona Typewriters Inc. (See Gabrielson, C. and Waurgeville, Marcus.)
Smith, L. C., & Corona Typewriters, Inc. (See Harmon, Edwin L., assignor.)
Smith, L. C. & Corona Typewriters Inc. (See Kattan, H., and Rolosson, assignors.)
Smith, L. C. & Corona Typewriters Inc. (See Laurence, Gordon, assignor.)
Smith, L. C. & Corona Typewriters Inc. (See Lewis, Edward Z., assignor.)
Smith, Larry L., Monticello, Ky., assignor of one-fourth to J. N. Cox, Corbin, Tenn., one-fourth to C. H. Moore, Glasgow, Ky., and one-tenth to E. C. Warner, Cookeville, Tenn. Two-way radio signaling system. 1,884,493; June 21.
Smith, La Verne G., West Hollywood, Calif. Roof construction. 1,892,637; Dec. 27.
Smith, Lee T., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Crystalline fenchyl alcohol and separating the same from pine oil. 1,887,171; Nov. 8.
Smith, Leighton, et al. (See Smith, William D., assignor.)
Smith, Leo C., assignor to Smith System Heating Co., Minneapolis, Minn. Gas heater. 1,854,232; Apr. 19.
Smith, Leo C., assignor to Smith System Heating Company, Minneapolis, Minn. Lavatory and bubbling fountain unit. 1,854,233; Apr. 19.
Smith, Leonard C., New York, N. Y. Attachment for vehicles and the like. 1,881,143; Oct. 4.
Smith, Lewis E., and N. C. Cuddeback, Auburn, N. Y., assignors to International Harvester Company. Center cleaner for root crop harvesters. 1,846,442; Feb. 23.
Smith-Lewis Fibre Can Corporation. (See Griffith, Dickinson E., assignor.)
Smith, Lewis S. (See Jones, C. G., and Smith.)
Smith, Lewis R., receiver. (See Jackson, Alfred F.)
Smith, Lewis R. (Receiver of Apco Mossberg Corporation.) (See Peirce, Thomas J. H., assignor.)
Smith, Lloyd, Paris, Tenn. Lawn trimmer. 1,891,066; Dec. 13.
Smith, Lloyd B., Topeka, Kans. Jetty. 1,844,484; Feb. 9.
Smith, Lloyd B., Moorestown, N. J., and E. H. Ten Broeck, assignors to The Atlantic Refining Company, Philadelphia, Pa. Filter press. 1,863,071; June 14.
Smith, Lloyd R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Underground pipe line. 1,842,298; Jan. 19.
Smith, Lorne C., Chicago, assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Device for securing glass. 1,873,349; Aug. 23.
Smith, Lorne C., Chicago, assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Glass securing device. 1,873,350; Aug. 23.
Smith, Louis C., et al., trustees. (See Cameron, F. S., and Jones, assignors.)
Smith, Louis R., Hawthorne, Nev. Attachment for nozzles. 1,842,462; Jan. 26.
Smith, Louis R., Hawthorne, Nev. Hose coupling. 1,851,992; Apr. 5.
Smith, Lowell J., assignor to Stant Manufacturing Co., Connersville, Ind. Radiator cap. Des. 87,029; May 24.
Smith, Lowell J., assignor to Stant Manufacturing Co., Connersville, Ind. Radiator ornament. Des. 88,676; Dec. 13.
Smith, Marshall A., Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Propeller. 1,871,203; Aug. 9.
Smith, Marvin, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,889,388; Nov. 29.
Smith, Marvin B., Spencer, W. Va. Burner. 1,844,187; Feb. 9.
Smith, Mason J., Kansas City, Mo. Mouthpiece sleeve. 1,845,204; Feb. 16.
Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Goblet. Des. 87,761; Sept. 13.
Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Lamp lens. 1,887,107; Nov. 8.
Smith, Merle L., Upper Darby, assignor to The Electric Tachometer Corporation, Philadelphia, Pa. Recording apparatus. 1,878,004; Sept. 20.
Smith, Merton B., Boise, Idaho. Mechanism for reversing and removing phonograph records. 1,839,507; Jan. 5.
Smith, Milton S., Maplewood, assignor to Carrier Construction Company, Inc., Newark, N. J. Heat exchange device. 1,854,278; Apr. 19.
Smith, Murphy D., Birmingham, Ala., assignor to Sand Spun Patents Corporation, New York, N. Y. Body pattern extractor. 1,873,227; Aug. 23.
Smith, Myron H., assignor to D. E. Smith & Company, Inc., Utica, N. Y. Portable fire extinguisher and sprayer. 1,869,869; Aug. 2.
Smith, Nelson K., assignor to Byron-Jackson Co., Los Angeles, Calif. Well pipe elevator hinge. 1,843,992; Feb. 9.
Smith, Nelson K., assignor to Byron Jackson Co., Los Angeles, Calif. Friction grip elevator. 1,864,864; June 28.
Smith, Nelson K., assignor to Byron-Jackson Co., Los Angeles, Calif. Elevator latch. 1,871,825; Aug. 16.
Smith, Nelson K., assignor to Byron-Jackson Co., Los Angeles, Calif. Well pipe elevator trunnion. 1,871,925; Aug. 16.
Smith, Nestor F., assignor to Ithaca Gun Company, Ithaca, N. Y. Recoil pad for guns. 1,868,953; July 26.
Smith, Nicholls J., Brunswick, Ga., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. Re18,408; Apr. 5.
Smith, Oliver A., Birmingham, England. Tool extractor. 1,876,780; Sept. 13.
Smith, Omar H., West Englewood, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Making styrols. 1,870,877; Aug. 9.
Smith, Omar H., West Englewood, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Production of styrols. 1,870,878; Aug. 9.
Smith, Omar H., West Englewood, and G. W. Jargstorff, Glen Rock, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Production of styrols. 1,870,877; Aug. 9.
Smith, Ora C., Rochester, Minn. Ear protector. 1,845,205; Feb. 16.
Smith, Orville, Cleveland, Ohio. Closure for flexible tubes. 1,850,606 Mar. 22.
Smith, Orville O., assignor of one-half to L. E. Hesla and W. H. Duncan, Prescott, Ariz. Pump. 1,879,567; Sept. 27.
Smith, Paul, Farmingdale, N. Y. Door operating device. 1,861,973; Mar. 1.
Smith, Paul, and F. H. Mann, Brooklyn, N. Y. Safety device for aeroplanes. 1,881,034; Oct. 4.
Smith, Paul C. (See Goetzel, John H.)
Smith, Paul D., Minneapolis, Minn. Dispenser for materials in their original containers. 1,887,961; Nov. 15.
Smith, Percy C., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Plural switch operating means. 1,885,147; Nov. 1.
Smith, Peter J., et al. (See Richman, Charles T., assignor.)
Smith, Philip A., Hamden, assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Apparatus for electroplating. 1,885,148; Nov. 1.
Smith, Preston R., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Bituminous emulsion and producing. 1,888,295; Nov. 22.
Smith, Ralph E., R. J. Arnold, and R. O. Curfman, assignors to The Galion Metallic Vault Company, Galion, Ohio. Dump body. 1,845,352; Feb. 16.
Smith, Ralston, Oakland, Calif. Ice shaving machine. 1,873,351; Aug. 23.
Smith, Ray E., Dallas, Tex. Fountain shaving brush. 1,873,669; Aug. 23.
Smith, Ray F., Penokee, Kans. Intake manifold. 1,875,670; Sept. 6.
Smith, Raymond. (See Bantz, J. F., and Smith.)

Smith, Raymond D., Pleasantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Limit timing mechanism. 1,869,519; Aug. 2.

Smith, Reginald B. (See Combs, Ralph B., assignor.)

Smith, Richard. (See Dinkel, Andrew J., assignor.)

Smith, Richard F., New York, N. Y., assignors of one-half to Charleston Dry Dock & Machine Company, one-fourth to C. Y. Bofkin and S. A. Guilds, Charleston, S. C., and one-fourth to R. D. Sullivan, Savannah, Ga. Metal plate construction and forming the same. 1,865,284; June 28.

Smith, Robert C., Chicago, Ill. Motor piston control apparatus. 1,869,587; Aug. 2.

Smith, Robert H., Brisbane, Queensland, Australia. Laminated spring for motor vehicles. 1,870,787; Aug. 9.

Smith, Robert M., Sioux Falls, S. Dak. Chalk line device. 1,851,786; Dec. 20.

Smith, Robert N., Kansas City, Mo., assignor of one-half to J. L. Hogin, Kansas City, Kans. Car door lock. 1,840,746; Jan. 12.

Smith, Robert N., Kansas City, Mo., assignor to J. L. Hogin, Kansas City, Kans. Door lock. 1,865,217; June 28.

Smith, Robert N., Kansas City, Mo., assignor to James L. Hogin, Kansas City, Kans. Doorlock mechanism. 1,869,027; Oct. 18.

Smith, Rolla R., and A. R. Carr, Sioux City, Iowa. Bottle carrier. 1,874,132; Aug. 30.

Smith, Roneyn L., assignor to Brunswick-Kroeschell Company, New Brunswick, N. J. Expansion valve. 1,858,471; May 17.

Smith, Ronald G., Fairfield, Conn. Toy. 1,887,823; Nov. 15.

Smith, Rose J. B., Cleveland, Ohio. Foot appliance. 1,870,029; Aug. 2.

Smith, T. J., Wesson, Miss. Indicating device. 1,872,838; Aug. 23.

Smith, Roy D., Pleasant Valley, Iowa. Vegetable harvester. 1,873,372; Aug. 23.

Smith, Roy H. (See Frayer, Lee A., assignor.)

Smith, Roy H., Kent, Ohio. Blank heading machine. 1,878,196; Sept. 20.

Smith, Russell R., W. F. Songer, and L. A. Salender, Ashland, Ky., assignors to The American Rolling Mill Company, Middletown, Ohio. Rolling sheets. 1,852,271; Apr. 5.

Smith, Russell R., W. F. Songer, and L. A. Salender, Ashland, Ky., assignors to The American Rolling Mill Company, Middletown, Ohio. Sheet metal rolling. 1,879,829; Sept. 27.

Smith, Russell T., assignor to Gibson Refrigerator Company, Greenville, Mich. Seal and bearing construction. 1,852,681; Apr. 5.

Smith, Russell T., assignor to Gibson Refrigerator Company, Greenville, Mich. Evaporating unit. 1,863,938; June 21.

Smith, Russell T. assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 1,886,601; Nov. 8.

Smith, Russell T., and C. H. Smith, assignors to Gibson Refrigerator Company, Greenville, Mich. Compressor. 1,850,228; Dec. 6.

Smith, Russell W., Union, N. J. Apparatus for making match books. 1,878,647; Sept. 20.

Smith, Russell W., Union, N. J. Mechanism for making match books. 1,858,241; Nov. 22.

Smith, S. Morgan, Company. (See Messing, Hjalmar S., assignor.)

Smith, S. Morgan, Company. (See Porter, Harry T., assignor.)

Smith, S., & Sons (Motor Accessories) Limited. (See Watson, Ernest A., assignor.)

Smith, Samuel B., Rocky River, Ohio. Sealing ring. 1,844,412; Feb. 9.

Smith, Samuel B., Rocky River, Ohio. Internal combustion engine. 1,851,330; Oct. 4.

Smith, Samuel B., Rocky River, Ohio. Variable pitch propeller. 1,886,602; Nov. 8.

Smith, Samuel B., Cleveland, Ohio. Valve. 1,890,953; Dec. 13.

Smith, Samuel N., and J. F. Bemies, New York, N. Y., assignors to United States Union Corporation. Making pipe couplings. 1,880,115; Sept. 27.

Smith & Serrell. (See Serrell, John J., assignor.)

Smith, Sherman K., New York, N. Y. Chart with movable lines. 1,850,909; Mar. 22.

Smith, Sidney, Lyncroft, England, assignor to Louis Lincoln Drake, Riverside, Conn. Mill for grinding paints, enamels, inks, and other viscous substances. 1,867,784; July 12.

Smith, Sidney B. (See Wright, G. M., and Smith.)

Smith, Skardon T., Detroit, Mich. Protractor triangle. 1,848,449; Feb. 16.

Smith, Swan, White Bear, Minn., assignor to Orenda Corporation, Chicago, Ill. Forming paper sheets. 1,844,967; Feb. 9.

Smith System Heating Co. (See Smith, Leo C., assignor.)

Smith, T. L., Company, The. (See Robb, Harry C., sr., assignor.)

Smith, Temple C. (See Pitts, F. B., Garlinger, and Smith.)

Smith, Temple C., and W. T. Livermore, Westfield, N. J., assignors to American Telephone and Telegraph Company. Cable reel trailer. 1,861,556; June 7.

Smith, Temple C., Westfield, A. E. Freeman, East Orange, and W. T. Livermore, Westfield, N. J., assignors to American Telephone and Telegraph Company. Cable reel trailer. 1,864,676; June 28.

Smith, Temple C., Westfield, and J. B. Spowart, Newark, N. J., assignors to American Telephone and Telegraph Company. Combined earth boring machine and derrick apparatus. 1,887,172; Nov. 8.

Smith, Theodore. (See Jones, J. P., S., and Smith.)

Smith, Theodore A., Ridgewood, N. J., assignor to Radio Corporation of America. Synchronizing system. 1,864,560; June 28.

Smith, Theodore L. (See Thompson, R. E., and Smith.)

Smith, Theodore L., Concord, Mass., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,857,339; May 10.

Smith, Theodore L., Concord, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,888,576; Nov. 22.

Smith, Theodore W. (See Frank, John I., assignor.)

Smith, Thomas A., Overland, assignor to H. J. Hagen, St. Louis, Mo. Nail holding tool. 1,867,928; July 19.

Smith, Thomas G., Lake Worth, Fla. Weeding and transplanting implement. 1,860,963; May 31.

Smith, Thomas O. L. (See Forrest, T. W., and Smith.)

Smith, Timothy, Mornington, Dunedin, New Zealand. Lock for doors, drawers, or the like. 1,850,854; Mar. 22.

Smith, Ulysses J., Cleveland, Ohio. Burial cloister. Des. 86,555; Mar. 22.

Smith, Ulysses S., Hannibal, Mo. Tonsillectome. 1,859,412; May 24.

Smith, Wallace K. (See Jones, L. E., and Smith.)

Smith, Wallace W., Chicago, Ill. Multiple drilling mechanism. 1,861,095; May 31.

Smith, Walter C., Maplewood, N. J., assignor to Cerro de Pasco Copper Corporation, New York, N. Y. Refining bismuth. 1,870,388; Aug. 9.

Smith, Walter C., Maplewood, N. J., assignor to Cerro de Pasco Copper Corporation, New York, N. Y. Concentration of bismuth alloys. 1,870,470; Aug. 9.

Smith, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,841,904; Jan. 19.

Smith, Walter H., assignor to Business Systems Limited, Toronto, Ontario, Canada. Printing press. 1,878,904; Sept. 20.

Smith, Walter S., Brooklyn, N. Y. Scale. 1,870,929; Aug. 9.

Smith, Walter S., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,884,320; Oct. 25.

Smith, Washington J., jr., Canfield, Ohio. Game table. Des. 86,586; Mar. 29.

Smith, Wayne M., and K. W. Haley, Santa Barbara, Calif. Oil well surveying instrument. 1,889,114; Nov. 29.

Smith, Wayne S., Los Angeles, Calif. Automatic starter switch. 1,841,684; Jan. 19.

Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)

Smith and Wesson, Inc. (See Wesson, Douglas B., assignor.)

Smith and Wesson, Inc. (See Wesson, Harold, assignor.)

Smith, Wilbert P., Thomaston, assignor of one-fourth to Jan P. Clary, Hartford, Conn. Combined steering and braking device for sleighs. 1,883,031; Oct. 18.

Smith, Wilfred A., jr., Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., Weather-strip and making the same. 1,861,985; June 7.

Smith, William. (See Drescher, H. A. E., Smith, and Thomas.)

Smith, William, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Production of flavanthrone dyestuff intermediates. 1,890,098; Dec. 6.

Smith, William, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Production of dyestuff intermediates of the anthrapuinone series. 1,890,099; Dec. 6.

Smith, William, and R. F. Thomson, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Production of anthracene derivatives. 1,875,272; Aug. 30.

Smith, William A., Wanstead, London, England. Brace end. 1,892,321; Dec. 27.

Smith, William A., jr. (See Smith, William A., sr., and W. A., jr.)

Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,843,958; Feb. 9.

Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism for rock drills. 1,846,817; Feb. 23.

Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,846,818; Feb. 23.

Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,855,206; Apr. 26.

Smith, William A., jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for percussive motors. 1,870,389; Aug. 9.

Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,874,133; Aug. 30.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,844,878; Feb. 9.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,846,810; Feb. 23.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Puller for working implements. 1,851,040; Mar. 29.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 1,852,592; Apr. 5.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,852,593; Apr. 5.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 1,867,929; July 19.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 1,871,429; Aug. 9.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,878,905; Sept. 20.

Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,889,423; Nov. 29.

Smith, William A., assignor of eighteen and one-fourth per cent to W. A. Vock, eighteen and one-fourth per cent to F. M. Boswell, Long Beach, eighteen and one-fourth per cent to W. Lynn Maywood, and eighteen and one-fourth per cent to F. Lambert, jr., Eagle Park, Calif. Kelly bushing. 1,864,952; June 28.

Smith, William A., jr., Easton, Pa., and G. H. Fuehrer, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for percussive motors. 1,844,874; Feb. 9.

Smith, William A., sr., and W. A. jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,846,811; Apr. 5.

Smith, William A., sr., Easton, Pa., and W. A. Smith, jr., Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,868,294; July 19.

Smith, William B., assignor of one-half to C. T. Weber, Baltimore, Md. Bail ear and method therefor. 1,891,209; Dec. 13.

Smith, William Bunion, Hartselle, Ala. Gin saw gumming machine. 1,868,855; July 26.

Smith, William E., Port Jervis Bridge, N. C., assignors of one-fourth to A. D. Malloy and one-fourth to L. Smith, Quitman, Ga. Thermostatic control for valves. 1,875,513; Sept. 6.

Smith, William E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Shaft operating and locking appearatus. 1,887,878; Nov. 15.

Smith, William F., assignor of one-half to Herman A. Schatz, Poughkeepsie, N. Y. Air cooled internal combustion engine. 1,884,321; Oct. 25.

Smith, William H. (See Favreau, Walter, assignor.)

Smith, William H., San Francisco, Calif. Wedge lock binder. 1,847,889; Jan. 19.

Smith, William H., San Diego, Calif. Dirigible airship hangar. 1,861,069; May 31.

Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Reducing iron ore without melting. 1,846,530; Feb. 23.

Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Treating and recovery of zangue from metals. 1,851,376; Mar. 29.

Smith, William J. (See Braun, H. F., Laughlin, and Smith.)

Smith, William J., executor. (See Smith, Joseph J.)

Smith, William J., and H. F. Braun, Lakewood, assignors to The Cleveland Steel Products Corporation, Cleveland, Ohio. Flexible coupling. 1,871,227; Aug. 9.

Smith, William L., jr. (See Lawson, R. H., and Smith.)

Smith, William L., Donnalsonville, Ga. Puller stock. 1,845,940; Feb. 16.

Smith, William L., jr., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,853,783; Apr. 12.

Smith, William L., jr., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,865,710; July 5.

Smith, William L., Newberry, S. C., assignor to Draper Corporation, Hopedale, Mass. Shuttle feeler thread parter and clamp. 1,856,793; May 3.

Smith, William M., Hermosa Beach, Calif. Game board. Des. 85,960; Jan. 5.

Smith, William M., Wilkinsburg, Pa. Sectional hot air furnace. 1,880,975; Mar. 14.

Smith, William O., Kimball, Nebr. Potato cutter. 1,880,510; Oct. 4.

Smith, William R., Goldsboro, N. C., assignor of fifty-two one hundredths to G. A. Smith, Portsmouth, Va. Box shook splicing machine. 1,864,865; June 28.

Smith, William S., Loco, Okla. Hull extractor for cotton. 1,854,076; Apr. 12.

Smith, William S., Port Moody, assignor to The Robert McNair Shingle Co. Ltd., Vancouver, British Columbia, Canada. Sawing machine. 1,849,439; Mar. 15.

Smith, William W., Buffalo, N. Y., assignor to The Dow Chemical Company, Midland, Mich. Casting readily oxidizable metals. Re18,653; Nov. 15.

Smith, William W. (See Ryan, J. C., and Smith.)

Smith, William W., Newton, Iowa. Window frame. 1,859,424; Nov. 29.

Smith, Willoughby S., Newton Poppleford, H. J. Garnett Solefields, Seven Oaks, and J. N. Dean, Orpington, England. Manufacture of articles from thermoplastic materials. 1,862,947; June 14.

Smith, Willoughby S., Newton Poppleford, and C. V. L. Garnett, Sevenoaks, England. Apparatus for the continuous heat treatment of metals or alloys. 1,881,331; Oct. 4.

Smith, Winfield D., Peekskill, assignor to E. A. Widmann, New York, N. Y. Control means for multiple sound reproducers. 1,851,459; Mar. 29.

Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)

Smithe Machine Co (See Novick, Abraham.)

Smithells, Colin J., Bushey, England, assignor to General Electric Company. Manufacture of refractory metal bodies. 1,857,219; May 10.

Smithline, Adele, assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 86,281; Feb. 16.

Smithline, Adele, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,282; Feb. 16.

Smithline, Adele, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,283; Feb. 16.

Smithline, Adele, assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 86,587; Mar. 22.

Smith's Sons Company, John E. (See Van Hooydonk, Adrian C., assignor.)

Smithson, Charles F., Elkridge, and G. C. Owens, Relay, Md. Figure toy. 1,872,192; Aug. 16.

Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for uncoiling coils of metal strip. 1,872,045; Aug. 16.

Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying cutter. 1,877,072; Sept. 13.

Smittle, Walter R., St. Louis, Mo. Pipe joint. 1,844,047; Feb. 9.

Smittle, Walter R., St. Louis, Mo. Packing ring. 1,858,173; May 10.

Smittle, Walter R., St. Louis, Mo. Packing ring. 1,860,267; May 24.

Smittle, Walter R., St. Louis, Mo. Flexible pipe joint. 1,872,495; Aug. 23.

Smokador Manufacturing Co. (See Baylis, Robert N., assignor.)

Smokador Manufacturing Co., The. (See Bradnack, John H., assignor.)

Smokeless Furnace & Boiler Co. Inc., The. (See Schonberger, Emil F., assignor.)

Smoketeria Incorporated. (See Klostermann, Curt W., assignor.)

Smolczyk, Eduard. (See Wollin, K., Smolczyk, and Engelhardt.)

Smolensky, Michael, Garfield Heights, Ohio. Self-grinding stop valve. 1,856,074; May 3.

Smoot, Charles H., Maplewood, N. J. Valve for high pressure fluids. 1,839,710; Jan. 5.

Smoot, Charles H., Maplewood, N. J. Mechanism for controlling a plurality of fluid flows. 1,858,689; May 17.

Smoot, Charles H., Maplewood, N. J. Regulator. 1,860,821; May 31.

Smoot, Charles H., Maplewood, N. J. Regulating system for low pressure steam generation. 1,878,008; Sept. 20.

Smoot, Daisy E., Apopka, assignor of one-fourth to J. I. Carroll, Orlando, Fla. Portable animal bath. 1,879,915; Sept. 27.

Smoot Engineering Corporation. (See King, Cyril J., assignor.)

Smoot Engineering Corporation. (See Mawha, James K., assignor.)

Smoot Engineering Corporation. (See O'Connor, George K., assignor.)

Smoot, Lewis E., Washington, D. C. Apparatus for preparing sand mixtures. 1,851,115; Mar. 29.

Smoot, Lewis E., Washington, D. C. Apparatus for handling bulk materials. 1,858,045; May 17.

Smooth Engineering Corporation. (See O'Connor, George K., assignor.)

Smott-Hofman Company. (See Hunt, H. M., and Batteiger, assignors.)

Smulski, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Windshield cleaning apparatus. 1,839,933; Jan. 5.

Smulski, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Motor brush holder. 1,860,370; May 31.

Smulski, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Mechanical movement. 1,862,284; June 7.

Smulski, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Windshield wiper. 1,875,895; Sept. 6.

Smuskl, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Windshield cleaning device. 1,875,896; Sept. 6.

Smuskl, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Indicating apparatus. 1,885,050; Oct. 25.

Smuskl, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary, Ind. Gauge. 1,885,051; Oct. 25.

Smuskl, Theodore J., assignor to The Anderson Company, Gary, Ind. Electrothermal apparatus. 1,885,052; Oct. 25.

Smurr, Samuel P., Oak Park, Ill. Fire door. 1,843,633; Feb. 2.

Smyrna Automat G. m. b. H. (See Huebner, Franz, assignor.)

Smyth Manufacturing Company, The. (See Schramm, Carl, assignor.)

Smyth Manufacturing Company, The. (See Thompson, Walter L., assignor.)

Smyth, Rodrigo M., San Jose, Costa Rica. Liquid gyroscopic compass. 1,890,831; Dec. 13.

Smyth, William H., Berkeley, Calif. Convertible noiseless tracklayer tractor. 1,885,485; Nov. 1.

Smyth, William H., Berkeley, Calif. Convertible tractor. 1,885,486; Nov. 1.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing acoustic impedance elements. 1,844,108; Feb. 9.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave energy translating diaphragm and mounting it. 1,857,704; May 10.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,863,643; June 14.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound radiator and making the same. 1,863,072; June 14.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tensioning and for mounting diaphragms. 1,863,073; June 14.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,863,074; June 14.

Smythe, Philip R., Akron, Iowa. Carton. 1,850,183; Mar. 22.

Snyder, Robert L., Milwaukee, and L. F. Giese, West Allis, assignors to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,848,276; Mar. 8.

Snap-On Tools, Inc. (See Emanuel, Louis A., assignor.)

Snap-On Tools, Inc. (See Tennyson, C., and Yordi, assignors.)

Snarck, Jack, New York, N. Y. Fagoting embroidery and manufacturing same. 1,855,003; Apr. 19.

Snarck, Jack, New York, N. Y., assignor of one-half to C. Harrison, Brooklyn, N. Y. Fagoting embroidery and manufacturing same. Re18,550; Aug. 2.

Snarry, John W., assignor to The Gear Grinding Company Limited, Birmingham, England. Machine for grinding the teeth of gear wheels and for other like purposes. 1,841,857; Jan. 19.

Snax Automatic Stores, Inc. (See Vander Meer, Peter C. A., assignor.)

Snead & Company. (See Macdonald, Angus S., assignor.)

Snedaker, Frack C., & Co. (See Appleby, Robert, assignor.)

Snedden, Robert J., Kansas City, Mo. Adjustable printer's quoin. 1,853,958; Nov. 1.

Sneditker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Heating and ventilating unit. Re18,225; July 19.

Sneditker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Heating and ventilating apparatus. 1,866,178; July 5.

Sneditker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Hygrostat. 1,866,778; July 12.

Sneditker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Mixing valve. 1,879,771; Sept. 27.

Sneditker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Time controlled heat regulator. 1,879,772; Sept. 27.

Sneed, John, Royal Oak, Mich. Rolling machine. 1,879,868; Sept. 20.

Sneed, John, Ferndale, Mich., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Tie rod bracket. 1,844,940; Feb. 9.

Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake mechanism. 1,857,481; May 10.

Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Braking device. 1,858,311; May 17.

Sneed, John, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for assembling wire wheels. 1,876,356; Sept. 6.

Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake drum. 1,878,006; Sept. 20.

Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Anti rattler. 1,878,197; Sept. 20.

Sneed, Robert C., San Francisco, Calif., assignor to The Nestle's Food Co., Inc., New York, N. Y. Can handling apparatus. 1,853,383; Apr. 12.

Sneed, William F., jr., Lakeland, Fla. Crate. 1,892,170; Dec. 27.

Snell, George D., Denver, Colo., assignor of one-half to S. S. Snell, Portland, Oreg. Holder for candy suckers. 1,847,415; Mar. 1.

Snell, Lester W., Alton, Ill. Bending tubes. 1,891,338; Dec. 20.

Snell, Lyle K., Detroit, Mich., assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Brake. 1,875,945; Sept. 6.

Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Front fork assembly for juvenile vehicles and method therefor. 1,883,033; Oct. 18.

Snell, Samuel A., assignor to Nagole, Inc., Toledo, Ohio. Lifting jack. 1,876,776; Nov. 22.

Snell, Silver S. (See Snell, George D., assignor.)

Snell, Virgil K., Wilkinsburg, Pa. Heat insulating construction. 1,845,830; Feb. 16.

Snelling, Henry H., et al. (See Read, David Y., assignor.)

Snelling, James E., assignor of one-fourth to J. R. Reynolds and one-fourth to D. R. Reynolds, Los Angeles, Calif. Marking gauge for mortised door locks. 1,849,961; Mar. 15.

Snelling, Walter O., Allentown, Pa. Refining of copper. 1,863,419; June 14.

Snelling, Walter O., Allentown, Pa. Refining of copper. 1,863,420; June 14.

Snelling, Walter O., Allentown, Pa. Process of distillation. 1,878,007; Sept. 20.

Snelling, Walter O., Allentown, Pa. Psychological testing apparatus. 1,878,008; Sept. 20.

Snelling, Walter O., Allentown, Pa. Balance weight. 1,878,009; Sept. 20.

Snelling, Walter O., Allentown, Pa., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Manufacturing hydrocarbon products. 1,880,189; Sept. 27.

Snelling, Walter O., and R. N. Boyd, Allentown, Pa., assignors to Trojan Powder Company. Treating carbohydrate esters. 1,873,061; Aug. 23.

Snelling, Walter O., and J. A. Wyler, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y. Destruction of nitrous gases. 1,873,793; Aug. 23.

Sniffin, John G., Maywood, and P. Hammer, Brea, Calif. Pipe guide. 1,840,747; Jan. 12.

Snively, Homer A., Covington, Ky. Clothes drier. 1,867,388; July 12.

Snively, Chester B., and J. H. Wolf, Waynesboro, Pa. Music leaf turner. 1,883,034; Oct. 18.

Snively, Chester B., and H. M. Wolf, Waynesboro, Pa. Check-book stub holder. 1,883,035; Oct. 18.

Snively, Chester B., and H. M. Wolf, Waynesboro, Pa. Folding check-book holder. 1,883,036; Oct. 18.

Snoddy, Edward C., Winston-Salem, N. C. Baby blanket. 1,863,256; June 14.

Snodgrass, Benjamin W. (See Jones, Gwilym D., assignor.)

Snodgrass, Benjamin W., Denver, Colo. Expanding bar. 1,858,378; May 17.

Snook, Edward A., Los Angeles, Calif. Bridge-score tabulator. 1,883,037; Oct. 18.

Snook, Homer C. (See Goldred, B. E., assignor, and Snook.)

Snook, Homer C., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus to enable the blind to read. 1,889,576; Nov. 29.

Snow, Alexander I., assignor to Graton & Knight Company, Worcester, Mass. Belt winding machine. 1,859,334; Apr. 2.

Snow, Arthur E., assignor to The Daly Manufacturing Company, Cincinnati, Ohio. Garment or ironing press. 1,869,520; Aug. 2.

Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Co., Chicago, Ill. Water treating and storage apparatus. 1,864,668; June 28.

Snow, Benjamin H. (See Smith, Arthur E., and Snow.)

Snow, Deskin D., Corpus Christi, Tex. Program clock. 1,884,322; Oct. 25.

Snow, Eugene A., Oceanside, Calif. Card table. 1,885,384; Nov. 1.

Snow, Fred K., Lynnfield, Mass. Remote controlled curtain switch. 1,862,144; June 7.

Snow, Frederick O., jr., Winchester, assignor to Mead-Morrison Manufacturing Company, East Boston, Mass. Fastener. 1,870,989; Aug. 9.

Snow, Frederick O., jr., Winchester, assignor to Mead-Morrison Manufacturing Company, East Boston, Mass. Clutch. 1,879,569; Sept. 27.

Snow, Frederick O., jr., Winchester, assignor to Mead-Morrison Manufacturing Company, East Boston, Mass. Coupling bar. 1,884,323; Oct. 25.

Snow, George E., assignor to The Orford Soap Company, Inc., Manchester, Conn. Feed mechanism for blanks. 1,852,221; Apr. 5.

Snow, George E., assignor to Orford Soap Company, Inc., Manchester, Conn. Machine for forming seaming strips. 1,863,771; June 21.

Snow, Harold A., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Grid forming apparatus. 1,875,170; Aug. 30.

Snow, Harold A., and L. M. Hull, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Audion amplifier circuit. 1,861,587; June 7.

Snow, Herbert C., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Battery mounting for automobiles. 1,862,714; June 14.

Snow, Homer L. (See Cox, B. H., and Snow.)

Snow, Howard C., Lynn, Mass. Means for converting sound into electrical impulses. 1,852,594; Apr. 5.

Snow, Isaac, Lowell, Mass., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Automatic side feed shuttle. 1,874,648; Aug. 30.

Snow, Isaac, Lowell, Mass., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Lateral take-up device for shuttles. 1,881,066; Oct. 4.

Snow, John R., Charlotte, Mich. Ice scoring machine. 1,863,886; June 21.

Snow, Karl F., Brecksville, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Upsetting device for barrels and like articles. 1,871,395; Aug. 9.

Snow, Karl F., Brecksville, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Mechanism for use in coating barrels and like articles. 1,871,430; Aug. 9.

Snow, Matthew A., Brooklyn, N. Y. Adjustable bearing. 1,849,963; Mar. 15.

Snow, Norman L. (See Bowers, F., and Snow.)

Snow, Norman L., Highland Park, Ill., and Snow.)

Snow, Norman L. (See Howse, C. L., and Snow.)

Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,417; Mar. 1.

Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,848,200; Mar. 8.

Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,148; Sept. 13.

Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,868,090; Nov. 1.

Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,849,853; Mar. 15.

Snow, Norman L., New Canaan, Conn., and S. F. Cox, Detroit, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,843,790; Feb. 2.

Snow, Norman L., New Canaan, Conn. and C. L. Howse, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,416; Mar. 1.

Snow, Norman L., New Canaan, Conn., and S. F. Cox, Highland Park, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,447; Mar. 1.

Snow, Norman L., New Canaan, Conn., and S. F. Cox, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,448: Mar. 1.

Snow, Norman L., New Canaan, Conn., and C. L. Howse, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,848,807; Mar. 8.

Snow, Norman L., New Canaan, Conn., F. Bowers, and C. L. Howse, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,870,182; Aug. 2.

Snow, Norman L., New Canaan, Conn., C. L. Howse, and F. Bowers, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,877,720; Sept. 13.

Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)

Snow, Wallace J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Thermostatic valve. 1,840,060: Jan. 5.

Snow, Wallace J., Lakewood, assignor, by mesne assignments, to The Cleveland Heater Company, Cleveland, Ohio. Fluid fuel control system. 1,842,126: Jan. 19.

Snyder, Allen G. (See Snyder, George H. and A. G.)

Snyder, Andrew D., Cleveland, Ohio. Internal combustion engine and valve construction. 1,883,038; Oct. 18.

Snyder, Brock, Grimsby, Ontario, Canada. Attachment plug for electric appliances. 1,854,865; Apr. 19.

Snyder, Carl M., Syracuse, N. Y., assignor to Walker Dishwasher Corporation, Chicago, Ill. Dishwashing machine. 1,867,654; July 19.

Snyder, Charles, Silver Lake, Kans. River revetment. 1,873,496; Aug. 23.

Snyder, Chester, Yonkers, N. Y. Flame-proofing and product therefor. 1,885,870; Nov. 1.

Snyder, Christopher H., Berkeley, Calif. Garage construction. 1,874,649; Aug. 30.

Snyder, Clifford L., assignor to Evans Products Company, Detroit, Mich. Connecter device. 1,841,221; Jan. 12.

Snyder, Clifford L., assignor to Evans Products Company, Detroit, Mich. Chock block. 1,849,964: Mar. 15.

Snyder, Clifford L., assignor to Evans Products Company, Detroit, Mich. Chock block. 1,868,260; July 19.

Snyder, Clifford L., Detroit, Mich., assignor to The Evans Auto Loading Company, Inc. Shipping deck. 1,880,989; Oct. 4.

Snyder, Clifford L., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Filler strip for floors and other constructions. 1,890,954; Dec. 13.

Snyder, Clifford L., assignor to Evans Products Company, Detroit, Mich. Decking structure. 1,892,589; Dec. 27.

Snyder, Clifford L., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Making reenforcing corner straps for export boxes and the like. 1,892,638; Dec. 27.

Snyder, Cloyd L., assignor to Snyder Holding Company, South Bend, Ind. Aircraft. 1,855,695; Apr. 26.

Snyder, Edward, Fort Wayne, Ind., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Tension device for winding machines. 1,876,761; Sept. 13.

Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Machinery for sealing electrical coils. 1,877,484; Sept. 13.

Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Unreeling appliance for wire, thread, etc. 1,883,039; Oct. 18.

Snyder, Francis H., and E. D. Newkirk, Syracuse, N. Y. Fortifying gases. 1,850,732; Mar. 22.

Snyder, Franklin L., and H. B. West, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company Automatic control equipment for load tap changers. 1,874,824; Aug. 30.

Snyder, Frederick S. (See Sipe, C. H., and Snyder.)

Snyder, Frederick S., and C. H. Sipe, Beaver Falls, assignors to Demmie T. Sipe, Latrobe, Pa. Furnace roll or shaft. 1,870,657; Aug. 9.

Snyder, Frederick T., New Canaan, Conn. Evaporative carbonization of organic materials. 1,858,972; May 17.

Snyder, Frederick T., Boston, Mass. Hydrogenation of hydrocarbons and apparatus therefor. 1,872,839; Aug. 23.

Snyder, George A., Hollywood, Calif. Valve structure. 1,853,154; Apr. 12.

Snyder, George H. and A. G., Philadelphia, Pa. Making cardboard boxes. 1,839,779; Jan. 5.

Snyder, Gilbert J., South Bend, Ind., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Coating machine for shingles. 1,870,426; Aug. 9.

Snyder, Herbert W., Lima, Ohio. Geared locomotive. 1,839,273; Jan. 5.

Snyder, Herbert W., and H. Schelb, Lima, Ohio. Steam dome shut-off valve. 1,891,958; Dec. 27.

Snyder Holding Company. (See Snyder, Cloyd L., assignor.)

Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Power driven washing machine tub. 1,842,807; Jan. 26.

Snyder, Howard F., assignor, by mesne assignments, to The Maytag Company, Newton, Iowa. Washing machine and gyratator. 1,863,546; June 14.

Snyder, Howard F., assignor, by mesne assignments, to The Maytag Company, Newton, Iowa. Washing machine. 1,866,779; July 12.

Snyder, Jacob R., Cleveland, Ohio. Shock absorber. 1,869,796; Dec. 6.

Snyder, James O., Indianapolis, Ind., assignor to Fairbanks, Morse & Co., Chicago, Ill. Protecting and cooling means for dynamo-electric machines. 1,864,867; June 28.

Snyder, John Y., Shreveport, La. Apparatus for separating liquids from gases. 1,857,034; May 3.

Snyder, L. A., et al. (See Howes, Raymond T., assignor.)

Snyder, Leon R., Gull Lake, Mich. Storm window and screen. 1,845,206; Feb. 16.

Snyder, Louis, Philadelphia, Pa. Manicuring set. 1,844,698; Feb. 9.

Snyder, Louis F. (See Waechter, F. F., and Snyder.)

Snyder, Louis F., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loading machine. 1,859,814; Mar. 22.

Snyder, Mills R., Savannah, Ga., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway bootleg. 1,887,249; Nov. 8.

Snyder, Oscar L., Marysville, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Engine. 1,855,324; Apr. 26.

Snyder, Oscar L., Marysville, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Engine. 1,865,594; July 5.

Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,884,324; Oct. 25.

Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold. 1,888,702; Nov. 22.

Snyder, Vernon, et al. (See McRae, David F., assignor.)

Snyder, W. Earl, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Force feed lubricator. 1,874,211; Aug. 30.

Snyder, William A., Los Angeles, Calif. Camp table. 1,862,911; June 14.

Snyder, William T., Sodus, N. Y. Adjustable seed planter and fertilizer. 1,862,067; June 7.

Soaber Company. (See Henry, George W., jr., assignor.)

Sobek, Emanuel, Vienna, Austria. Discharge funnel for kilns. 1,847,730; Mar. 1.

Sobel, Frank, New York, N. Y. Chair. 1,842,054; Jan 19.

Sohen, Adolph F., assignor to H. H. Davis, Los Angeles, Calif. Sectional display containers. 1,883,419; Oct. 18.

Sobon, Julius A., Cleveland, Ohio. Valve. 1,853,156; Apr. 12.

Sobotka, Harry, New York, N. Y. Dextro-5-phenyl-5'-ethyl hydantoin. 1,861,458; June 7.

Sochard, Henry, Brooklyn, N. Y. Combined bezel and casing closure. 1,850,247; Mar. 22.

Società Anonima Automobili Ansaldo. (See Cappa, Giulio Cesare, assignor.)

Società Anonima Industria Ammoniaca. (See Lopez, Francesco, assignor.)

Società Costruzione Apparecchi Elettrodomestici Marelli, the Firm. (See Giambertoni, Andrea, assignor.)

Società Italiana Ernesto Breda per Costruzioni Meccaniche. (See Belluzzo, Giuseppe, assignor.)

Società Italiana Ernesto Breda per Costruzioni Meccaniche. (See Scarilli, Arregorio, assignor.)

Società Italiana Miglioramento Armi. (See de Luce, G., and Guerra, assignors.)

Società Italiana Pirelli. (See Bruni, G., and Levi, assignors.)

Società Italiana Pirelli. (See Emanueli, Luigi, assignor.)

Società Italiana Pirelli. (See Pestalozza, Ugo, assignor.)

Societe A. Faure & Cie. (See Faure, Jean M. A., assignor.)

Societe A Responsabilite Limitee Chambet & Cie. (See Lebeau, Yves G., assignor.)

Société à Responsabilité limitée dite: La Voie Ferrée Moderne. (See Perot, Etienne M., assignor.)

Societe Alsacienne de Constructions Mecaniques et al. (See Ehlinger, Marcel, assignor.)

Société Anonyme. (See Rodanet, Charles H. H., assignor.)

Societe Anonyme: Apparells et Evaporateurs Kestner. (See Chaffotte, Hyacinthe, assignor.)

Societe Anonyme des Apparells de Manutention et Fours Stein. (See Stein, Charles M., assignor.)

Societe Anonyme Assuro. (See Laengel, Henri C., assignor.)

Societe Anonyme: Automobiles M. Berliet. (See Berliet, Marius, assignor.)

Societe Anonyme: Avions Kelener-Bechereau. (See Bechereau, Louis, assignor.)

Societe Anonyme Compagnie International des Freins Auto-Vacuum. (See Vanier Hirschen, Paul, assignor.)

Societe Anonyme la Cooperation Agricole & Industrielle. (See Claudel, Charles H., assignor.)

Societe Anonyme d'Etudes et de Constructions d'Apparells Mecaniques pour la Verrerie. (See Roirant, Emile, assignor.)

Societe Anonyme de Fabrication des Tapis a Points Noues "Saftan". (See Venail, Paul, assignor.)

Societe Anonyme de Machine Outils et Apparells Divers "Le Samos". (See Panis, Antoine B., assignor.)

Societe Anonyme des Anciens Etablissements Achard & Cie. (See Achard, Jean, assignor.)

Societe Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Devereux, Robert E. C., assignor.)

Societe Anonyme des Anciens Etablissements Hotchkiss & Compagnie. (See de Boigne, Maurice, assignor.)

Societe Anonyme des Anciens Etablissements Hotchkiss & Compagnie. (See Dugied, Eugene A., assignor.)

Societe Anonyme des Anciens Etablissements Panhard & Levassor. (See Schaefer, Charles, assignor.)

Societe Anonyme des Ateliers d'Aviation Louis Breguet. (See Bréguet, Louis, assignor.)

Societe Anonyme des Ateliers Heuze, Malevez et Simon Reunis, et al. (See van Rolt, Lambert, assignor.)

Société Anonyme des Automobiles M. Berliet. (See Berliet, Marius, assignor.)

Societe Anonyme des Distilleries des Deux-Sevres. (See Guinot, Henri M., assignor.)

Société Anonyme des Distilleries des Deux-Sevres. (See Ricard, Eloi, assignor.)

Societe Anonyme des Etablissements Ph. Bonvillain & E. Ronceray. (See Ronceray, Eugène, assignor.)

Societe Anonyme des Etablissements Repusseau & Cie. (See Moittié, Lucien D. O., assignor.)

Societe Anonyme des Etablissments Ruggieri. (See D'Hellencourt, Charles L., assignor.)

Societe Anonyme des Hauts-Fourneaux et Fonderies de Pont-A-Mousson. (See Boissou, Pierre, assignor.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Berguerand, Lucien, assignor.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, Louis, assignor.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey. (See Delove, Lucien, assignor.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Do Huu Chan, André, assignor.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chaumy & Cirey. (See Long, Bernard, assignor.)

Société Anonyme des Nouvelle Inventions Mecanique et Electriques. (See Olbin, Raymond, assignor.)

Societe Anonyme des Usines Chausson. (See Coquille, Emile H., assignor.)

Societe Anonyme d'Etudes et de Constructions d'Apparells Mecaniques pour la Verrerie. (See Roirant, Emile, assignor.)

Société Anonyme d'Ougree Marihaye. (See Beaujean, Camille, assignor.)

Societe Anonyme d'Ougree-Marihaye. (See Comte, Maurice, assignor.)

Société Anonyme Etablissements Gaiffe-Gallot & Pilon. (See Pilon, Hector F., assignor.)

Societe Anonyme Etablissements Tissier. (See Sicault, Paul, assignor.)

Societe Anonyme Fours & Apparells Stein. (See Woodeson, William A., assignor.)

Societe Anonyme Le Carbone. (See Oppenheim, René, assignor.)

Societe Anonyme Le Carbone. (See Portail, Fernand C. F., assignor.)

Société Anonyme "L'Ecrou Indesserable Rex". (See Frelin, Henri J., assignor.)

Societe Anonyme Le Pyrex. (See Cardot, Jean A., assignor.)

Societe Anonyme les Fils de L. Braunschweig Fabrique Election. (See Marti, Fritz, assignor.)

Societe Anonyme M. Naef & Cie. (See Ruzicka, Leopold, assignor.)

Societe Anonyme: Nieuport-Astra. (See Delage, Gustave, assignor.)

Société Anonyme Ougrée Marihaye. (See Henry, Raymond, assignor.)

Societe Anonyme Parfumerie Houbigant. (See Diot, Louis E., assignor.)

Société Anonyme pour Tous Apparelllages Mécaniques. (See Carbonaro, Mario C., assignor.)

Societe Anonyme pour Tous Apparelllages Mecaniques. (See Carbonaro, Marius C. assignor.)

Societe Anonyme Solex. (See Goudard, Maurice, assignor.)

"Societe Anonyme Solex." (See Mennesson, Marcel, assignor.)

Societe Anonyme Solex. (See Mennessen, Marcel, assignor.)

Societe Anonyme Waldberg. (See Devecis, Michael, assignor.)

Société à Responsabilité Limitée Consortium General de l'Industrie Foraine. (See Rapein, Robert, assignor.)

Société Ateliers St. Eloi. (See Louchet, Edmond, assignor.)

Société d'Application du Gaz aux Moteurs "S. A. G. A. M." (See Cézanne, Robert M. A. E., assignor.)

Societe d'Avertisseur Ferrovole. (See Gherassimoff, Nicolas, assignor.)

Societe de Condensation et d'Applications Mecaniques. (See Langevin, P., and Florisson, assignors.)

Societe de Condensation et d'Applications Mecaniques. (See Touly, Marcel L., assignor.)

Societe de Paris et du Rhone. (See Leyvastre, Ferdinand, assignor.)

Societe de Recherches & d'Exploitations Petrolieres. (See Godel, Albert, assignor.)

Societe des Anciens Etablissements Salvatori Leperche Franciulli & Cie., successeurs. (See Lantz, Robert, assignor.)

Societe des Electrodes de la Savole. (See Lund, Einar, assignor.)

Societe des Etablissements Gaumont. (See Decaux, René, assignor.)

Societe des Etablissements Gaumont. (See Deville, Etienne S. C., assignor.)

Societe des Etablissements Gaumont. (See Sainte-Claire-Deville, Etienne, assignor.)

Société des Freins Houplain. (See Houplain, Georges, assignor.)

Societe des Telephones Grammont. (See Lebedinsky, Myron, assignor.)

Societe des Usines Chimiques Rhone-Poulenc. (See Gault, H., and Angla, assignors.)

Societe des Usines Chimiques Rhone-Poulenc. (See Oser, A., and Laurent, Clements.)

Societe des Usines Chimiques, Rhone-Poulenc. (See Prunier, Jean P., assignor.)

Societe d'Etude des Distributeurs Automatiques (S. E. D. A.) (See Tribout, Adrien M. L., assignor.)

Societe d'Etudes de Machines à Affuter. (See Maag, M., and Salomon, assignors.)

Societe d'Etudes et de Construction d'Apparils de Telemecanique. (See Bernady, Raoul, assignor.)

Société d'Etudes Scientifiques et d'Entreprises Industrielles. (See Miriteau, Ferdinand, assignor.)

Société d'Etudes Scientifiques et Industrielles. (See Creuzé, Pierre, assignor.)

Societe d'Exploitation des Brevets Cotal. (See Cotal, Jean, assignor.)

Societe d'Exploitation de Brevets Pour l'Industries, l'Aviation et l'Automobile (S. E. B. I. A.) (See Dugelay, Paul, assignor.)

Societe d'Exploitation des Textiles Nouveaux. (See Dasseville, Michel, assignor.)

"Societe Gite: L'Accessoire de Precision." (See Mallvert, Jules E., assignor.)

Societe d'Outillage Mecanique et d'Usinage d'Artillerie. (See Peroy, Jean A., assignor.)

Societe du Carburateur Zenith. (See Boulade, Antonin, assignor.)

Société Electro Metallurgique de Montricher. (See Miguet, Paul L. J., assignor.)

Societe Francaise de Constructions Mecaniques Anciens Etablissements Cail. (See Deschamps, Jules, J., assignor.)
Société Française des Munitions de Chasse, de Tir et de Guerre. (See Auriol, Louis P. A., assignor.)
Société Française des Produits Alimentaires Azotés. (See Kahn, Maurice, assignor.)
Societe Francaise Radio Electrique. (See Achard, Joseph F. E., assignor.)
Societe Francaise Radio-Electrique. (See Chireix, Henri, assignor.)
Societe Francaise Radio Electrique. (See de l'Harpe, Ollivier M. G., assignor.)
Societe Generale d'Entreprises au Maroc. (See Montandon, Gustave, assignor.)
Société Générale d'Etudes Industrielles, General Research Corporation, Société Anonyme. (See Feyens, François, assignor.)
Societe Genevoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)
Societe Hardoll Anciens Etablissements Hariveau & Dolimier et René Porte & Cie. Réunis. (See Plantin, Bernard L. P., assignor.)
Societe Hardoll Etablissements Hariveau et Dolimier et Rene Porte et Cie. Reunis. (See Porte, René, assignor.)
Societe Hardoll Etablissements Hariveau et Dolimier et René Porte et Cie. (See Carionaro, Mario, assignor.)
Société Holding des Brevets et Procedes Giacchino pour l'Ebauchage Electrique Société Anonyme. (See Giacchino, Ezio, assignor.)
Societe Huile du Loudroux & Derives. (See Perilhou, Etienne, assignor.)
Societe Industrielle de Mecanique Automobile et de Radio-Electricite. (See Lepelletier, Pierre, assignor.)
Societe l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. (See Etienne, Alfred, assignor.)
Societe l'Air Liquide Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude. (See Follet, Henri L., assignor.)
Société l'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude Siège Social. (See Claude, Georges, assignor.)
Societé l'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude siege social. (See Claude, Georges, and Le Rouge, assignors.)
Societe "Le Magnesium Industriel." (See Michel, Gilbert, assignor.)
Societe Metallurgique de Normandie. (See Gouge, Pierre, assignor.)
Societe Miniere & Metallurgique de Penarroya. (See Dubroit, Paul, assignor.)
Societe Nationale des Recherches sur le Traitement des Combustibles. (See Audibert, Etienne, assignor.)
Societe Nouvelle de Constructions Telephoniques. (See Telsnorin, Michel, assignor.)
Societe of Chemical Industry in Basle. (See Gams, A., and Widmer, assignors.)
Societe pour l'Exploitation des Brevets Gadoux et al (See Gadoux, André, assignor.)
Societé pour l'Exploitation des Procedes Ab-der-Halden. (See Ab-der-Halden, Charles, assignor.)
Société Quartz & Silicé. (See Delpech, Gaston, assignor.)
Societe "Quartz & Silice." (See La Burthe, Pierre, assignor.)
Societe Rhoné Allenet & Cie. (See Ricard, Eloi, assignor.)
Societe Stae-Nord. (See Bertandeau, Gaston, assignor.)
Society of Chemical Industry. (See Kappeler, Hans, assignor.)
Society of Chemical Industry in Basle. (See Askenasy, Paul, assignor.)
Society of Chemical Industry in Basle. (See Bommer, M., Haller, and Pool, assignors.)
Society of Chemical Industry in Basle. (See Bonhôte, Gérald, assignor.)
Society of Chemical Industry in Basle. (See Brünnlich, Friedrich, assignor.)
Society of Chemical Industry in Basle. (See de Montmollin, Gaston, and Spieler, assignors.)
Society of Chemical Industry in Basle. (See Felix, F., and Albrecht, assignors.)
Society of Chemical Industry in Basle. (See Felix, Friedrich, assignor.)
Society of Chemical Industry in Basle. (See Fraenkel, Sigmund, assignor.)
"Society of Chemical Industry in Basle." (See Gams, A., Widmer, and Frey, assignors.)
Society of Chemical Industry in Basle. (See Grossmann, Paul, assignor.)
Society of Chemical Industry in Basle. (See Gyr, J., and Kaiser, assignors.)
Society of Chemical Industry in Basle. (See Haller, Robert, assignor.)
Society of Chemical Industry in Basle. (See Haller, R., and Heckendorn, assignors.)
Society of Chemical Industry in Basle. (See Hartmann. M., and Isler, assignors.)
Society of Chemical Industry in Basle. (See Jaeck, O., and Schlitz, assignors.)
Society of Chemical Industry in Basle. (See Johner, Hans, assignor.)
Society of Chemical Industry in Basle. (See Krauer, Karl, assignor.)
Society of Chemical Industry in Basle. (See Kuhn, R., and Kern, assignors.)
Society of Chemical Industry in Basle. (See Landolt, Albert, assignor.)
Society of Chemical Industry in Basle. (See Mayer, B., Krauer, and Siebenbürger, assignors.)
Society of Chemical Industry in Basle. (See Mayer, B., Siebenbürger, and Krauer, assignors.)
Society of Chemical Industry in Basle. (See Miescher, Karl, assignor.)
Society of Chemical Industry in Basle. (See Miescher, K., and Urech, assignors.)
Society of Chemical Industry in Basle. (See Moser, Wilhelm, assignor.)
Society of Chemical Industry in Basle. (See Schmid, Max, assignor.)
Society of Chemical Industry in Basle. (See Schmid.-M., and Straub, assignors.)
Society of Chemical Industry in Basle. (See Stocker, R., and Müller, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., and Anderau, assignors.)
Society of Chemical Industry in Basle, (See Straub, F., Anderau, and Mayer, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., Mayer, and Anderau, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Society of Chemical Industry in Basle. (See Straub F., Schneider, and Bernhard, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., Schneider, and Mayer, assignors.)
Society of Chemical Industry in Basle. (See Wettstein, Walter, assignor.)
Society of Chemical Industry in Basle, The Firm. (See Straub, Fritz, assignor.)
Society of Chemical Industry in Basle, the Firm of. (See Bally, O., Grossmann, and Felix, assignors.)
Society of Chemical Industry in Basle, The Firm of. (See Gyr, Joseph, assignor.)
Society of Chemical Industry in Basle, the Firm of. (See Hartmann, Max, assignor.)
Society of Chemical Industry in Basle, Firm of. (See Straub, F., and Anderau, assignors.)
Society of Chemical Industry in Basle, The Firm of. (See Straub, F., and Imgluen, assignors.)
Society of Chemical Industry in Basle, Firm of. (See Straub, F., and Mayer, assignors.)
Society of Chemical Industry in Basle, The Firm of. (See Tobler, Richard, assignor.)
Society Pierre Remy & Cie. (See Mathieu de Boissac, Henri M., assignor.)
Sockett, Philip, assignor to Atlas Leather Products Corporation, Los Angeles, Calif. Combined key container and article holder. Des. 86,485; Mar. 8.
Sockett, Philip, assignor to Atlas Leather Products Corporation, Los Angeles, Calif. Combined key container and article holder. Des. 86,486; Mar. 8.
Soda Alumina Chemical Company. (See Keogh, Lucius R., assignor.)
Sode, Frank E., Chicago, Ill. Vacuum floor cleaner. 1,867,477; July 12.
Sodemann, William, St. Louis, Mo. Cooling unit. 1,853,644; Apr. 12.
Soderberg, Andrew W., Munhall, and A. G. Dahlgren, Pittsburgh, Pa. Universal rolling mill. 1,865,286; June 28.
Soderberg, Casper J. W., Aberdeen, Wash. Automobile wind wing. 1,864,898; June 28.
Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for supplying sand to grading apparatus. 1,885,775; Nov. 1.
Soderberg, Sten E. B., Passaic, assignor to Leslie Company, Lyndhurst, N. J. Signal. 1,892,016; Dec. 27.
Soderholm, Joel. (See Hanson, E. C., and Soderholm.)
Soderlund, Olof. (See Testrup, Soderlund, and Gram.)
Soenens, Maurice, Courtrai, Belgium, assignor to Robert Boby Limited, Bury St. Edmunds, England. Machine for scutching, decorticating and softening fibrous materials such as flax, hemp, jute, and ramie. 1,861,986; June 7.
Soete, William F., assignor of one-half to A. A. Mueller, St. Paul, Minn. Ironing board. 1,842,493; Jan. 26.
Sofransey, Morris L. (See Mann, Russell L., assignor.)
Sohlberg, Erik G., deceased, Schenectady, N. Y.; M. M. T. Sohlberg, Schenectady, N. Y., executrix, assignor to General Electric Company. Closed ventilating system for dynamo-electric machines. 1,854,961; Apr. 19.
Sjiberg, Margaret M. T., executrix. (See Sohlberg, Erik G.)
Sohler, Karl, Biederitz, near Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Press for twist material. 1,840,263; Jan. 5.
Sohn, Carl. (See Tillmanns, C. W., and Sohn.)
Sohnle, Frederick, Newark, N. J. Brush holder. 1,865,283; June 28.
Söhnle, Karl, Weissach-on-the-Enz, Germany, assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass. Device for holding shoe uppers in lasted position. 1,849,254; Mar. 15.
Sohst, Adele, administratrix. (See Wagner, H., Sohst, Seib, and Schumacher.)
Sohst, Otto. (See Wagner, H., Sohst, Seib, and Schumacher.)

Soileau, Louis C., jr., Rayne, La. Feed cutter. 1,875,514; Sept. 6.
Soissa, John A. (See Brown, C. W., and Soissa.)
Soisson, Joseph W., et al. (See Matthews, Percy W., assignor.)
Sokolow, Samuel. (See Preston, J. E., and Sokolow.)
Sokolow, Samuel, North Bergen, and J. E. Preston, Newark, N. J., assignors to F. & C. Manufacturing Co. Folding machine and method. 1,858,565; May 17.
Sola Corporation. (See Sola, Joseph G., assignor.)
Sola, Joseph G., assignor to Sola Corporation, Chicago, Ill. Air purifier. 1,875,671; Sept. 6.
Sola, Joseph G., Chicago, Ill. Transformer. 1,841,685; Jan. 19.
Sola, Joseph G., assignor to Sola Corporation, Chicago, Ill. Electric transformer. 1,854,490; Apr. 19.
Sole, John H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator. 1,860,556; May 31.
Sole, John H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system. 1,874,374; Aug. 30.
Solem Machine Company. (See Sundstrand, Carl A., assignor.)
Solem, Peter A., Rockford, Ill. Polishing wheel. 1,889,049; Nov. 29.
Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 1,841,417; Apr. 12.
Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Device for reducing piston slap in internal combustion engines. 1,847,731; Mar. 1.
Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America Inc. Collapsible piston ring. 1,843,809; Feb. 2.
Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 1,853,937; Apr. 12.
Solenberger, Dean M., Cleveland, Ohio. Musical instrument. 1,853,999; Apr. 12.
Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 1,856,271; May 3.
Solenberger, Dean M., assignor to The Simplex Piston Ring Co. of America, Cleveland, Ohio. Apparatus for slotting piston rings. 1,889,267; Nov. 29.
Soley, William G. (See Benner, R. C., Walker, and Soley.)
Soley, William G., La Salle, assignor to The Carborundum Company, Niagara Falls, N. Y. Saponaceous emulsion and product containing the same. 1,862,322; June 7.
Solhim, Olef, Gjelina, Norway, Norway. Checking apparatus. 1,862,808; June 14.
Solid Carbonic Company. (See Drummond, Donald W., assignor.)
Solidon Products, Inc. (See Lukens, Hiram S., assignor.)
Solkesz, Jan H., Sourabaia, Java, Dutch East Indies. Device for cutting the cables of submarine mines. 1,877,073; Sept. 13.
Söll, Julius. (See Specketer, H., and Söll.)
Söll, Julius, Frankfort-on-the-Main-Schwanheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing hydrofluoric acid poor in silicic acid. 1,875,200; Aug. 30.
Söll, Julius, Frankfort-on-the-Main-Schwanheim, and C. Rumbal, Esbierdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chlorinating hydrocarbons. 1,889,157; Nov. 29.
Söll, Julius, Frankfort-on-the-Main-Schwanheim, and F. Schnell, Frankfort-on-the-Main/Griesheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separating hydrogen fluoride from silicon fluoride. 1,851,652; Mar. 29.
Sollier, Arnold. (See Sprague, P. T., and Sollier.)
Sollich, Robert, Rostock, Germany. Process and apparatus for manufacturing sugar in specimens and the like. 1,890,533; Dec. 13.
Solliday, Foster K., assignor to National Brass Company, Grand Rapids, Mich. Latch bolt operating means. 1,862,716; June 14.
Solliday, Foster K., and C. De Ridder, assignors to National Brass Company, Grand Rapids, Mich. Right and left hand latch. 1,862,715; June 14.
Sollie, Sigurd A. (See Kolster, F. A., and Sollie.)
Sollie, Sigurd A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Sound reproducer; 1,873,062; Aug. 23.
Sollmann, Everette L., Washington, D. C., assignor to American Lecithin Corporation, Atlanta, Ga. Nongumming gasoline and mode of preparing same. 1,884,899; Oct. 25.
Sologaistoa, Manuel H. P., San Pedro Sula, Honduras, assignor to A. Guzman, New York, N. Y. Combined electric iron and electric stove. 1,862,912; June 14.
Solomon, Arthur C., Fremont, Ohio. Flexible casing for vehicle spring. 1,855,893; Apr. 26.
Solomon, Joseph, assignor to Liberty Overall Company, Birmingham, Ala. Garment fastener. 1,853,938; Apr. 12.
Solon, Leon V., New York, N. Y., assignor to United States Quarry Tile Company, Parkersburg, W. Va. Tile. Des. 67,624; Dec. 26.
Solon, Paul H., Scarsdale, N. Y., assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Tile. 1,884,153; June 21.
Solti, Lajos, Pecs, Hungary. Locking device. 1,869,027; July 26.
Soltis, Joseph, Plains, and C. Rindgen, Wilkes-Barre, Pa. Trolling device. 1,889,707; Nov. 29.
Solvay Process Company, The. (See Norton, Francis J., assignor.)
Solvay Process Company. (See Philipp H., assignor.)
Solvay Process Company, The. (See Terziev, George N., assignor.)
Solve, Alfred B., Oakland, Calif. Warning signal for dotated tires. 1,883,040; Oct. 18.
Solver, Einar, Hellerup, near Copenhagen, Denmark. Gudgeon pin especially for trunk pistons in internal combustion engines. 1,841,764; Jan. 19.
Somers, Edward A., Darby, Pa. Spring tension device for ribbons. 1,873,062; Aug. 23.
Somers, Everett X., West Barnet, Vt. Clamp. 1,883,041; Oct. 18.
Somers, Herbert J., Detroit, Mich. Humidifier. 1,845,728; Feb. 16.
Somers, Louis C., Los Angeles, Calif. Chlorinator. 1,865,976; July 5.
Somers, Norman C. (See Calcott, W. S., and Somers.)
Somervell, Howard, Evanston, Ill., assignor to Wayne Company, Fort Wayne, Ind. Fluid dispensing apparatus. Des. 86,985; May 17.
Somerville, Ian C., Fox Chase, Pa., assignor to Rohm & Haas Company. Art of liquoring. 1,883,042; Oct. 18.
Somerville, William E., Coal City, Ill. Twister or strander. 1,858,528; May 17.
Sommer, Charles J., Williamsport, Pa. Adjustable stair rail T. 1,839,711; Jan. 5.
Sommer, Fritz, and M. Nassau, Charlottenburg-Berlin, assignors to Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft, Grunau, near Berlin, Germany. Preparation of N-methyl-p-amino phenol sulphate. 1,886,449; Nov. 1.
Sommer, John C., St. Louis, Mo. Combination drawing instrument. 1,885,149; Nov. 1.
Sommer, Karl W., Cicero, and F. Hauser, assignors to Sommer and Maca Glass Machinery Corporation, Chicago, Ill. Conformator gauge. 1,856,439; May 3.
Sommer, Leon, Brooklyn, N. Y. Combination radio and convertible cabinet system. 1,884,325; Oct. 25.
Sommer and Maca Glass Machinery Corporation. (See Sommer, K. W., and Hauser, assignors.)
Sommer, Robert E., Los Angeles, Calif. Card record filing device. 1,855,260; Apr. 26.
Sommer, William B., assignor to Jiffy Wire Connector Company, Hackensack, N. J. Wire connector. 1,874,825; Aug. 30.
Sommer, William H., Peoria, Ill. Open hearth furnace and operating the same. 1,861,261; May 31.
Sommer, William H., Peoria, Ill. Truck. 1,861,145; May 31.
Sommer, William H., Peoria, Ill. Lubricating device. 1,861,146; May 31.
Sommer, William H., Peoria, Ill. Take-up frame for wire operating units. 1,861,171; Dec. 27.
Sommermeyer, August, Berlin-Rudow, assignor to The Company Rud. A. Hartmann, Berlin, Germany. Method and apparatus for treatment of animal matters. 1,845,893; Feb. 16.
Sommers, Norman and A. P. Karr, Philadelphia, Pa. Repair leak compound. 1,891,506; Dec. 20.
Sonander, Josef, Norrköping, Sweden, assignor to International Harvester Company. Seed drill. 1,854,811; Apr. 19.
Sonderen, Henry, and H. Glemming, Brooklyn, N. Y. Trousers stretcher. 1,858,420; May 17.
Songer, William F. (See Smith, R. R., Songer, and Salander.
Sonnchorn, Sol S., East Orange, and H. G. Richter, Roselle Park, N. J. Radio receiving system. 1,843,177; Feb. 2.
Sonnefeld, August, assignor to the Firm Carl Zeiss, Jena, Germany. Optical system. 1,865,977; July 5.
Sonnek, F. Frank. (See Clayton, Robert, assignor.)
Sonnett, William A., assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Game ball laced opening. 1,887,482; May 10.
Sonntag, Alfred, assignor to Losenhausenwerke Düsseldorfer Maschinenbau A. G., Dusseldorf, Germany. Gyratic testing instrument. 1,881,232; Oct. 4.
Sonntag, Robert, Jersey City, N. J. Clothesline protecting device. 1,888,745; Nov. 22.
Sonoco Products Company. (See Dunlap, Charles K., assignor.)
Sonoco Products Company. (See Kennedy, Gibson H., assignor.)

Sonoco Products Company. (See Taylor, Joseph K., assignor.)
Sonoco Products Company. (See Wynder, James C., assignor.)
Soons, James E. (See Hoffmann, E. V., and Soons.)
Soper, Cleveland C. (See Law, O. B., Colley, and Soper.)
Soper, George A., Jr., Albany, N. Y. Refractory. 1,861,759; June 7.
Soper, Raymond H., assignor to Browne-Morse Company, Muskegon, Mich. Metal furniture. 1,877,469; Sept. 13.
Sopsko, Michael, Cleveland, Ohio. Vanity case. 1,879,570; Sept. 27.
Sorber, Daniel G., El Monte, Calif. Apparatus for freezing canned goods. 1,892,224; Dec. 27.
Sordillo, Ralph C., East Boston, Mass. Radio condenser. 1,840,215; Jan. 5.
Soref, Harry E., assignor to Master Lock Company, Milwaukee, Wis. Spare tire lock for automobiles. 1,843,354; Feb. 16.
Sorensen, Alfred K., assignor to Crane Co., Chicago, Ill. Flanged ring joint. 1,855,494; Apr. 26.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,845,451; Feb. 16.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,862,204; June 7.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for electric control systems. 1,865,150; June 28.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for electrical control systems. 1,882,404; Oct. 11.
Sorensen, Andrew J., Pittsburgh, and P. H. Dowling, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,862,203; June 7.
Sorensen, C. M., Co. Inc. (See Sorensen, George L., assignor.)
Sorensen, Earl H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 1,860,844; May 31.
Sorensen, Edward E., assignor to P. F. Scholbe, Detroit, Mich. Noninflammable refrigerant. 1,845,355; Feb. 16.
Sorensen, Edward E., assignor to P. F. Scholbe, Detroit, Mich. Refrigerant. 1,845,356; Feb. 16.
Sorensen, George L., assignor to C. M. Sorensen Co. Inc., Long Island City, N. Y. Medical douche. 1,889,425; Nov. 29.
Sorensen, Henry, San Francisco, Calif. Construction of a reenforced concrete dam. 1,848,277; Mar. 8.
Sorensen, Henry, San Francisco, Calif. Holding members for reenforcement tensioning means. 1,867,185; July 12.
Sorensen, Henry, San Francisco, Calif. Cooling of the interior of a seamless block of setting concrete. 1,888,097; Nov. 15.
Sorensen, Henry, San Francisco, Calif. Method to cool the interior of a seamless block of setting concrete. 1,889,268; Nov. 29.
Sorenson, Axel A., Kennedy, Minn. Water wheel for generating electric current. 1,855,425; Apr. 26.
Soreny, Ernest, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical devices. 1,850,511; Oct. 4.
Soreny, Ernest, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. 1,883,043; Oct. 18.
Sorey, Arthur M., Oklahoma City, Okla. Folding closet bed. 1,841,647; Jan. 19.
Sorg, Harold E., San Carlos, assignor to C. S. Evans, Oakland, Calif. Scanning screen. 1,880,991; Oct. 4.
Sorge, Carlos, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Connection for line protection relays for three-phase current. 1,846,916; Feb. 23.
Sorrel, Victor, and L. A. Lafont, assignors to Ugine-Infra, Grenoble, France. Furnace. 1,868,954; July 26.
Sorrell, Ernest B., Springfield, Mo. Adjustable wing and stabilization control for aeroplanes. 1,854,527; Apr. 19.
Sorrell, Franklin J., Chattanooga, Tenn. Remote control switch. 1,846,807; Feb. 9.
Sorrentino, Charles, Cleveland, Ohio. Milk bottle carrier. 1,861,368; May 31.
Sorrick, Elmer, Newark, assignor to M. Platt, Inc., Bayonne, N. J. Device for forming wire fasteners. 1,862,717; June 14.
Sosa, Augustus M. (See Klausmeyer, D. C., and Sosa.)
Sosnitski, Paul P., assignor to The Union Switch & Signal Company, Swissvale, Pa. System of power supply. 1,866,179; July 5.
Sosnitski, Paul P., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,884,326; Oct. 25.
Soss, Charles J., assignor of one-half to J. Soss, Roselle, N. J. Razor blade sharpener. 1,852,438; Apr. 5.
Soss, Joseph. (See, Soss, Charles J., assignor.)
Soss, Joseph, Roselle, N. J. Hinge butt and making the same. 1,847,630; Mar. 1.
Soss, Joseph, Roselle, N. J. Die. 1,847,631; Mar. 1.
Soss, Joseph, Roselle, N. J. Making hinge butts. 1,847,632; Mar. 1.
Soss, Joseph, Roselle, N. J. Hinge bearing structure. 1,849,536; Mar. 15.
Soss, Mark, Spokane, Wash. Scrubbing brush. 1,867,896; July 19.
Soubier, Leonard D. (See Hoge, J. R., and Soubier.)
Soubier, Leonard D. (See Hutchinson, O. C. K., McLaughlin, and Soubier.)
Soubier, Leonard D. (See Kadow, A., and Soubier.)
Soubier, Leonard D., Toledo, Ohio. Machine for forming hollow glassware. 1,875,827; Sept. 6.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Flowing glass. 1,843,178; Feb. 2.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Method and apparatus for controlling gravity issuance of molten glass. 1,843,248; Feb. 2.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass feeder. 1,843,249; Feb. 2.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for feeding molten glass. 1,845,635; Feb. 16.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming hollow glassware. 1,856,518; May 3.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Making blown glass articles. 1,859,114; May 17.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for producing hollow glassware. 1,859,247; May 17.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass forming machine. 1,865,730; July 5.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming hollow glassware. 1,869,920; Aug. 2.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Feeding molten glass. 1,869,921; Aug. 2.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass furnace. 1,879,718; Sept. 27.
Soubier, Leonard D., and J. E. Hitchcock, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass blowing machine. 1,859,113; May 17.
Soubier, Leonard D., Alton, Ill., assignor to Owens-Illinois Glass Company. Apparatus for feeding molten glass. 1,870,210; Aug. 2.
Soubier, Leonard D., Alton, Ill., assignor to Owens-Illinois Glass Company. Apparatus for drawing glass tubings. 1,876,031; Sept. 6.
Soubier, Leonard D., and J. E. McLaughlin, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Glass furnace. 1,876,030; Sept. 6.
Soucek, George, Prague-Letnany, Czechoslovakia. Luminous signaling device. 1,922; Aug. 2.
Soucie, Eloi, Missoula, Mont. Ironing board and closet construction. 1,886,983; Nov. 8.
Soudas, John, et al. (See, Ernest, assignor.)
Souder, Vernon G., and H. B. Trix, assignors to American Injector Company, Detroit, Mich. Wing mounting clamp. 1,863,939; June 21.
Soulary, Paul, Bruay-en-Artois, France. Apparatus for the pneumatic separation of materials of different densities. 1,866,951; July 12.
Soule, George C. (See Woodbury, J. B., and Soule.)
Soule, George C., and J. B. Woodbury, South Portland, assignors to Maine Steel Products Company, Portland, Me. Adjustable hoist wing plow. 1,853,939; Apr. 12.
Soule, George C., and J. B. Woodbury, South Portland, assignors to Maine Steel Products Company, Portland, Me. Snowplow. 1,853,940; Apr. 12.
Soule, George C., and J. B. Woodbury, South Portland, assignors to Maine Steel Products Company, Portland, Me. Snowplow. 1,853,941; Apr. 12.
Soule, George C., and J. B. Woodbury, South Portland, assignors to Maine Steel Products Company, Portland, Me. Snowplow. 1,867,127; July 12.
Soule, George C., and J. B. Woodbury, South Portland, assignors to Maine Steel Products Company, Portland, Me. Snowplow. 1,867,128; July 12.
Soule, George C., and J. B. Woodbury, South Portland, assignors to Maine Steel Products Company, Portland, Me. Snowplow nose and cutter bar therefor. 1,871,565; Aug. 16.
Soule, George M., assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,848,278; Mar. 8.
Soulé, Gilbert R., San Francisco, Calif. Necktie presser. 1,850,041; Nov. 29.
Soule, Henry, Dwight, N. Dak. Snap hook. 1,875,274; Aug. 30.
Soules, Harry B., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Side driving belt. 1,841,649; Jan. 19.
Souligne, Raymond J., Goodland, Ind. Supply-controlling float for milk drying machines. 1,890,024; Dec. 6.
Sound Picture Patent Company. (See Bullis, Henry C., assignor.)
Soundex Corporation. (See Kennicott, C. L., and Libberton, assignors.)
Soundex Corporation. (See Piazza, Louis C., assignor.)
Sousedik, Josef, Vsetin, Czechoslovakia. Alternating current commutator motor. 1,840,473; Jan. 12.
South Bend Bait Company. (See Chapleau, Louis A., assignor.)

Souther, Richard P., Cleveland, Ohio, assignor to Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Lining for furnaces. 1,857,103; May 3.

Souther, Benjamin L., Pittsburgh, and J. W. Greene, Wilkinsburg, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa. Purifying petroleum oils. 1,854,866; Apr. 19.

Souther, Benjamin L., Pittsburgh, and J. W. Greene, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Cracking oil. 1,869,028; July 26.

Souther, John G., Jamaica Plain, Mass., assignor, by mesne assignments, to Foods Company, Inc., Dover, Del. Apparatus for freezing food products. 1,878,198; Sept. 20.

Southern California Gas Company. (See Ferrante, Michael, assignor.)

Southern Oregon Sales Inc. (See Scherer, P. A., and Ridley, assignors.)

Southern Prison Company. (See Mardick, J. K., and White, assignors.)

Southern Prison Company. (See White, Lloyd J., assignor.)

Southern Public Service Company. (See Baldwin, H. du P., and Stafford, assignors.)

Southern, Robert L., Palo Alto, Calif., assignor, by mesne assignments, to University Engineering Company. Two-stroke cycle engine. 1,878,539; Sept. 20.

Southern Spring Bed Company. (See Moeckel, C. S., assignor.)

Southern Spring Bed Company. (See Schwab, Robert W., assignor.)

Southern States Iron Roofing Company, The. (See Fulenwider, Jesse and H., assignors.)

Southgate, George T., Forest Hills, N. Y. Agglomerating and reducing ores. 1,863,507; June 14.

Southgate, Louis W. (See Jennings, I. C., and Southgate.)

Southgate, Louis W., Washington, D. C. Method of and apparatus for evacuating oil wells. 1,856,197; May 3.

Southwark Foundry & Machine Company. (See Divel, Richard W., assignor.)

Southwark Foundry & Machine Company. (See Schranz, Frederick G., assignor.)

Southwick Foundry & Machine Company. (See Smith, Frank H., assignor.)

Southwell, Frank, Redditch, England, assignor to O. Mustad & Son, Oslo, Norway. Fishhook. 1,875,182; Aug. 30.

Southwestern Engineering Company. (See Pudan, Herbert W., assignor.)

Southwestern Portland Cement Company. (See Frederick, Alton K., assignor.)

Southwestern Shore Company. (See Newton, Robert I., assignor.)

Southwick, Reuben J. (See Smith, C., and Southwick.)

Southworth, Edward, Portland, Me. Humidifier. 1,857,719; Aug. 2.

Souviron, Pierre J. F. Tarbes, France. Manufacture of copper sulphate. 1,869,521; Aug. 2.

Sovatkin, Edward J., Brooklyn, and J. Sklar Manufacturing Co., Inc., Brooklyn, N. Y. Cutlery. 1,852,542; Apr. 5.

Sovatkin, Edward J., Brooklyn, assignor to J. Sklar Manufacturing Co. Inc., New York, N. Y. Pelvimeter. 1,856,295; May 3.

Sovereign, Clarence L., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. Crystallizing. 1,870,030; Aug. 2.

Sowden, Charles T., Dallas, Tex. Packing protector. 1,845,939; Feb. 16.

Sowden Robert S., assignor to William Wharton, Jr., & Company, Incorporated, Easton, Pa. Compensating center. 1,868,435; July 19.

Sower, Albert J. (See Bush, E. T., and Sower.)

Sowinski, Max Maxwell. Grover C., assignor.)

Soyster, Charles J., and G. W. Lawn, Long Beach, Calif.; said Lawn assignor to said Soyster. Apparatus for regulating pressure in tanks. 1,887,824; Nov. 15.

Spackman, Thomas P., assignor to Stewart-Warner Corporation, Chicago, Ill. Oil filter. 1,844,611; Feb. 9.

Spadafora, Joseph, Medford, assignor of one-third to D. Malagnini one-third to L. Malagnini, Boston, Mass. Counter stiffener molding machine. 1,856,296; May 3.

Spade, James H. (See Spade, William P. and J. H.)

Spade, William P., Watervliet, N. Y., and J. H. Spade, Los Angeles, Calif. Making mold of alloy. 1,853,385; Apr. 12.

Spaeth, Charles, Cleveland, Ohio. Dispensing apparatus. 1,839,609; Jan. 5.

Spaeth, Charles, Flushing, N. Y. Electric discharge device. 1,876,083; Sept. 6.

Spaeth, Charles, Flushing, assignor to Ne-Arga Corporation, New York, N. Y. Lamp starting device. 1,854,912; Apr. 19.

Spaeth, Charles, Flushing, assignor to Claude Neon Lights, Inc., New York, N. Y. Rotary interrupter. 1,859,940; May 24.

Spaeth, Charles, Flushing, assignor to Ne-Arga Corporation, New York, N. Y. Lamp starting device. 1,881,975; Oct. 11.

Spaeth, Charles, Flushing, assignor to Ne-Arga Corporation, New York, N. Y. Lamp starting device. 1,881,976; Oct. 11.

Spaeth, Charles P., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 1,885,044; Oct. 18.

Spaeth, Charles P., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 1,885,045; Oct. 18.

Spaeth, Frederick C., Williamsport, and M. A. Gibson, Lockhaven, Pa.; said Spaeth assignor to said Gibson. Plumb bob and chalk line. 1,876,473; Sept. 6.

Spaeth, John J., assignor to The F. W. Wyatt Manufacturing Company, Salina, Kans. Cultivator. 1,887,334; Nov. 8.

Spagnola, Samuel, Tuckahoe, N. Y. Electric rectifying apparatus. 1,848,279; Mar. 8.

Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Sheet metal can. 1,849,600; Mar. 15.

Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Jar closure. 1,877,258; Sept. 13.

Spahr, Elton G., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Apparatus for controlling burners. 1,878,010; Sept. 20.

Spainhower, Walter M., Leavenworth, Kans. Display device. 1,850,184; Mar. 22.

Spalding, A. G. & Bros. (See Glahe, Fred, assignor.)

Spalding, A. G. & Bros. (See Pierce, George L., assignor.)

Spalding, A. G., & Bros. (See Pierce, G. L., and Karlson, assignors.)

Spalding, A. G., & Bros. (See Reach, Milton B., assignor.)

Spalding, A. G., & Bros. (See Van Orman, Ray, assignor.)

Spalding, John, Stamford, Conn., assignor to Albert T. Otto & Sons, Inc., New York, N. Y. Apparatus for treating rolled fabric. 1,865,218; June 28.

Spalding, John D., Crafton, Pa., assignor to The National Supply Company of Delaware, New York, N. Y. Control for rotary drawworks. 1,850,607; Mar. 22.

Spalding, John D., Crafton, Pa., assignor to The National Supply Company, New York, N. Y. Rotary drawworks back brake assembly. 1,879,769; Sept. 6.

Spalding, John E., New Haven, Conn. Screen for projected pictures. 1,882,454; Oct. 11.

Spalding, William H., Buffalo, assignor to National Aniline and Chemical Co., Inc., New York, N. Y. Obtaining elevated temperatures. 1,845,632; Feb. 16.

Spalsbury, Charles B., and P. Mattler, assignors to Johnson, Stephens & Shinkle Shoe Company, St. Louis, Mo. Lasting machine. 1,839,445; Jan. 5.

Spalsbury, Charles B., and P. Mattler, assignors to Johnson, Stephens & Shinkle Shoe Company, St. Louis, Mo. Lasting machine. 1,839,446; Jan. 5.

Spang, Chalfant & Company. (See Burnish, Howard J., assignor.)

Spang, Ferdinand J., Butler, Pa. Ripper for well casings. 1,850,185; Mar. 22.

Spang, Ferdinand J., Butler, Pa. Rope knife. 1,867,033; July 12.

Spangenberg, Charles, sr., Peshtigo, Wis. Locking device. 1,851,876; Mar. 29.

Spangenberg, Henry, Longbranch, Wash. Automatic check-hook. 1,888,869; Nov. 22.

Spangler, Carroll L. (See Morris, W. A., and Spangler.)

Spangler, Ethel M., San Diego, Calif. Handkerchief. 1,844,808; Feb. 9.

Spangler, William N., Philadelphia, Pa. Apparatus for charging storage batteries. 1,865,595; July 5.

Spann, Ransom D. (See Hatton, W., Spann, Rousseau, and Larsen.)

Spanner, Hans J. (See Meyer, F., and Spanner.)

Spanner, Hans J. (See Meyer, F., Spanner, and Germer.)

Spanner, Hans J. (See Spanner, H. J., and Doering, assignors.)

Spanner, Hans J., Berlin, Germany, and U. Doering, New York, N. Y., assignors, by mesne assignments, to said Spanner. Gas filled electric discharge device. 1,860,210; May 24.

Spanner, Hans J., and Ulrich Doering, Berlin, Germany, assignors to Electrons, Inc. Obtaining metallic coatings. 1,866,720; July 12.

Sparhawk, Charles E., Auburn, Wash., assignor to Ada Young, Ketchikan, Alaska. Airplane. 1,882,199; Oct. 11.

Sparke, Edith, Berkeley, Calif. Pin or needle. 1,880,219; Oct. 4.

Sparke, Edith, Oakland, Calif. Hair pin. 1,884,900; Oct. 25.

Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Meter panel. 1,850,614; Apr. 26.

Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stroboscopic watthour meter. 1,864,677; June 28.

Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Method and apparatus for calibrating electrical instruments. 1,864,771; June 28.

Sparkes, Harry P., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for calibrating electric instruments. 1,891,735; Dec. 20.

Sparkes, Harry P., and F. S. Stickney, West Orange, N. J., assignors to Westinghouse Electric and Manufacturing Company. Issuing for temperature indicators. Des. 87,651; Aug. 23.

Sparkletts Bottled Water Corporation. (See O'Farrell, Thomas, assignor.)

Sparkletts Bottled Water Corporation. (See Washburne, Arthur L., assignor.)

Sparks, Hamilton B., Terre Haute, Ind. Gearing structure for lathes. 1,848,302; Mar. 8.

Sparks, James M., assignor of one-third to J. W. Thompson, Orient, Junction, Colo. Motor vehicle mechanism. 1,842,633; Jan. 26.

Sparks, Joe B., Vallejo, Calif. Door stop and lock. 1,848,444; Dvd. 2.

Sparks-Withington Company, The. (See Johnson, L. E., Winchell, Hardick, and Billig, assignors.)

Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)

Sparks-Withington Company, The. (See Scofield, T. J., and Miller, assignors.)

Sparling, Eric C. (See Thompson, H. H., and Sparling.)

Sparling, Eric C., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Support for gyro-compasses. 1,880,992; Oct. 4.

Sparr, Robert. (See Griffin, S., and Sparr.)

Sparta Foundry Company. (See Deutsch, Fritz, assignor.)

Spase, Charles B., Syracuse, N. Y. Multiple disk clutch. 1,856,735; May 3.

Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Disk brake mechanism. 1,843,490; Feb. 2.

Spase, Charles B., Syracuse, N. Y., assignor to I. Saks, Cleveland, Ohio. Clutch plate. 1,858,312; May 17.

Spase, Charles B., Syracuse, N. Y., assignor to Ira Saks, Cleveland, Ohio. Clutch servicing fixture. 1,868,675; July 26.

Spate, Edwin T., East Cleveland, H. Clapper, Lakewood, Ohio, and T. Marlow, Ferndale, Mich., assignors to Steel and Tubes, Inc., Cleveland, Ohio. Tube bending machine. 1,848,733; Mar. 8.

Spath, Frank J., Albany, N. Y. Fence construction. 1,850,779; Mar. 22.

Spath, Wilhelm, Barmen, Germany. Converting electrical energy into rotary oscillation of a mass. 1,863,948; June 21.

Spath, Wilhelm, Barmen, assignor to Losenhausenwerk, Duesseldorf-Grafenberg, Germany. Device for measuring moments of torsion. 1,863,354; June 21.

Spatola, Dominick, Frankfort, N. Y. Illuminated sign. Des. 86,487; Mar. 8.

Spatta, Georges. See Mogford, E. C., and Spatta.)

Spaugh, Charles A., Durham, Okla. Fence post lifter. 1,844,809; Feb. 9.

Spaulding, Arch W., assignor to The American Rolling Mill Company, Middletown, Ohio. Earth auger. 1,881,101; Oct. 4.

Spaulding, Arthur K., Boston, Mass. Strap fastener. 1,850,894; Apr. 26.

Spaulding Fibre Company. (See Metelski, Claude M., assignor.)

Spaulding, Harris W., Haverhill, Mass. Movable block puzzle. 1,879,571; Sept. 27.

Spaulding, Milo H., Bozeman, Mont. Projecting apparatus. 1,849,920; Jan. 19.

Spaulding, Roy C., V. Oldberg, and A. C. Born, assignors to Oldberg Manufacturing Company, Detroit, Mich. Welding apparatus. 1,878,340; Sept. 20.

Spayd, Orville P., Milford, Del. Attachment to The Black-Clawson Company, Hamilton, Ohio. Stave jointing machine. 1,878,550; Sept. 20.

Spayde, Harwood H., Des Moines, Iowa. Fountain pen. 1,843,346; Feb. 2.

Speakman Company. (See Bloch, Leon, assignor.)

Speakman Company. (See Fraser, James, assignor.)

Spear Box Company. (See Blumenstock, Louis, assignor.)

Spear, Clint M., and J. C. Ellington, Houston, Tex. Resurfacing machine. 1,855,968; Apr. 26.

Spear, Ellwood B., assignor to Thermatomic Carbon Company, Pittsburgh, Pa. Manufacture of carbon black. 1,880,512; Oct. 4.

Spearman, Earnest S., Pelzer, assignor to Bahan Textile Machinery Company, Greenville, S. C. Shaft bearing. 1,887,336; Nov. 8.

Spears, Arthur C., Cameron, N. Y. Identification name plate. 1,856,519; May 3.

Speas Mfg. Co. (See Rooker, W. A., and Speas, assignors.)

Speas, Victor E. (See Rooker, W. A., and Speas.)

Specht, Hattie R., now by marriage Hattie R. Ogg, Norfolk, Va. Machine for perforating transfer slips. 1,850,745; Nov. 22.

Specht, Norbert, Oranienburg, near Berlin, Germany, assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Purification of impure dioxide of titanium containing in particular chromium. 1,845,628; Feb. 16.

Special Clothing Company. (See Knox, Benjamin E., assignor.)

Specialty Automatic Machine Company. (See Bedworth, Arthur H., assignor.)

Specialty Automatic Machine Company. (See La Bombard, L. C., and Sidebotham, assignors.)

Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)

Specialty Insulation Manufacturing Co. (See Doyle, Lewis C., assignor.)

Specialty Machine Company. (See Hazeltine, Robert H., assignor.)

Specialty Papers Company, The. (See Wilshire, Van Hamm, assignor.)

Specialty Products Company, The. (See Fuchs, Fritz E., assignor.)

Speck, William C., and E. Barker, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Power-operated hammer. 1,874,160; Jan. 19.

Speck, William C., and E. Barker, assignors to The Buckeye Steel Castings Company, Columbia, Ohio. Motor. 1,877,701; Sept. 27.

Specketer, Heinrich, Frankfort-on-the-Main-Griesheim, and J. Soll, Frankfort-on-the-Main-Schwanheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Double aluminum alkali fluoride compounds. 1,873,727; Aug. 23.

Specter, Samuel, Chicago, Ill. Building front. Des, 88,108; Oct. 25.

Spector, Jacob, Keystone, W. Va. Sun and rain protector for rumble seats. 1,885,150; Nov. 1.

Speed, Walter H. (See Bryant, H. D., and Speed.)

Speegle, Andrew G., Iola, Kans. Floating deck. 1,879,572; Sept. 27.

Speer, James A., Wichita, Kans. Internal combustion engine. 1,844,109; Feb. 9.

Speer, James A., Wichita, Kans., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,852,133; Apr. 5.

Speer, Vernon D., Cedar Falls, Iowa. Aeroplane engine. 1,843,003; Jan. 26.

Speer, William K., Decatur, Ga., assignor, by mesne assignments, to McCleary Bros. Inc. Detergent and forming game. 1,855,776; Apr. 26.

Speetjens, Hubert, assignor to A. H. Stevens, London, England. Apparatus for permanently waving the hair. 1,876,614; Sept. 6.

Speicher, Daniel E., assignor to The Cyclone Manufacturing Company, Urbana, Ind. Poultry feeder. 1,851,780; Mar. 29.

Speicher, Frank S., assignor to M. E. Cunningham Company, Pittsburgh, Pa. Marking device. 1,857,166; May 10.

Speicher, Frank S., assignor to M. E. Cunningham Company, Pittsburgh, Pa. Marking device. 1,868,907; July 26.

Speicher, Franklin S., Pittsburgh, Pa., assignor to M. E. Cunningham Company, Inc. 1,885,380; Nov. 1.

Speicher, Harold S., Urbana, Ind. Poultry feed trough. 1,840,264; Jan. 5.

Speidel, Albert E. R. (See Carlson, Edwin G., assignor.)

Speidel, Albert E. R. (See Johnson, Sylvester A., assignor.)

Speidel, Albert E. R., Edgewood, R. I., assignor to Speidel Corporation. Bracelet chain. Des. 87,448; July 26.

Speidel, Albert E. R., Edgewood, R. I., assignor to Speidel Corporation. Bracelet chain. Des. 87,551; Aug. 9.

Speidel, Albert E. R., Edgewood, R. I., assignor to Speidel Corporation. Bracelet chain. Des. 87,652; Aug. 23.

Speidel, Albert E. R., Edgewood, R. I., assignor to Speidel Corporation. Bracelet chain. Des. 87,810; Sept. 20.

Speidel, Albert E. R., Edgewood, R. I., assignor to Speidel Corporation. Bracelet chain. Des. 87,892; Oct. 4.

Speidel, Albert E. R., Edgewood, R. I., assignor to Speidel Corporation. Bracelet chain. Des. 87,983; Oct. 18.

Speidel Brothers. (See Carlson, Edwin G., assignor.)

Speidel Chain Co. (See Fassnacht, Karl, assignor.)

Speidel Corporation. (See Fassnacht, Karl, assignor.)

Speidel Corporation. (See Speidel, Albert E. R., assignor.)

Speidel, Edwin F. M. (See Kohm, Christian, assignor.)

Speidel, Edwin F. M., Edgewood, R. I. Bracelet chain. Des. 86,940; May. 10.

Speidel, Robert, Pforzheim, Germany. Apparatus for peeling potatoes. 1,886,061; Nov. 1.

Speirs, Charles W., assignor to The Morgan Crucible Company, Limited, London, England. Moulding articles from a slip or plastic mass. 1,846,279; Feb. 23.

Speirs, Stuart, assignor to Stuart Utilities Corp., New York, N. Y. Resilient belt. 1,841,385; Jan. 19.

Speirs, Stuart, assignor to Stuart Utilities Corp., New York, N. Y. Culinary spring tongs. 1,846,619; Feb. 23.

Spellacy, Joseph B., Costa Mesa, and J. E. Mead, Inglewood, assignor of one-third to C. N. Raley, Seal Beach, Calif. Deep well pump. 1,844,485; Feb. 9.

Spellman, Mabel R. (See Cumpston, Frederick B., assignor.)

Spelman, Rollin H., Canton, Ohio. Chute clamp. 1,846,155; Feb. 23.

Spence, Byron, Wauwatosa, Wis., assignor to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Spigot. 1,889,937; Dec. 6.

Spence, Cary F. (See Randolph, King M., assignor.)

Spence, Ernest N., assignor to Welded Products Co., Louisiana, Inc., New Orleans, La. Tank construction. 1,842,735; Jan. 26.

Spence, Fred, Sale, England, assignor to Linotype and Machinery Limited, London, England, Mechanism for inking the printing surfaces of rotary intaglio printing machines. 1,843,048; Jan. 26.
Spence, H. L., Company. (See Spence, Harry L., assignor.)
Spence, Harry L., Richmond, Va., assignor to H. L. Spence Company. Bronze for welding. 1,840,921; Jan. 12.
Spence, Harry L., assignor to H. L. Spence Company, Richmond, Va. Bronze for welding. 1,867,111; July 12.
Spence, Hubert L. (See Brooks, C. K., and Spence.)
Spence, Hubert L. (See Schmidt, E. H., and Spence.)
Spence, James E., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Drinking glass. Des. 86,545; Mar. 15.
Spence, John A., Indianapolis, Ind. Lawn edge trimmer. 1,859,806; May 24.
Spence, John L., jr., assignor to Akeley Camera, Inc., New York, N. Y. Collapsing film holding spools for moving pictures. 1,845,526; Feb. 16.
Spence, Leslie Roy D., Issobel, Vic., assignor to Westinghouse Electric & Manufacturing Company. Drying oil varnishes. 1,858,843; May 17.
Spence, Peter, & Sons, Limited. (See Llewellyn, W. B., and Crundall, assignors.)
Spence, William H. (See Brossart, J. A., Orr, and Spence.)
Spencer, Alexander C., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Control of heat in the distillation of oil. 1,869,626; Aug. 2.
Spencer, Alexander, London, England. India-rubber spring. 1,890,795; Dec. 13.
Spencer, Arthur. (See Richardson, A. B. F. G., and Spencer.)
Spencer, Clyde C., Belmont, Mass. Apparatus for dispensing and toeing golf balls. 1,868,261; July 19.
Spencer, E. A., et al. (See Oliver, Guy C., assignor.)
Spencer, Edmundson, assignor of one-half to E. C. Benthall, Calcutta, British India. Controlling the treatment of vegetable matter to obtain cellulose therefrom by manipulation in chemicals. 1,839,158; Dec. 29.
Spencer, Emma F., executrix. (See Spencer, Guilford L.)
Spencer, George A., assignor to The Oakes Manufacturing Co., Port Jervis, Ind. Storage battery. 1,880,993; Oct. 4.
Spencer, George, Moulton & Company. (See Giascodine, Richard T., assignor.)
Spencer, Guy. (See Mott, C., and Spencer.)
Spencer, Gerald G., Denver, Colo., assignor to Union Carbide and Carbon Research Laboratories, Inc., New York, N. Y. Pressure regulator having a rotatable closure. 1,849,772; Mar. 15.
Spencer, Grace G. (See Adams, E. M., Gangloff, and Spencer.)
Spencer, Guilford L., deceased, by Emma F. Spencer, executrix, Brooksville, Me., assignor to Cuban-American Sugar Company, New York, N. Y. Extracting sugar from cane molasses containing glucose. 1,834,901; Oct. 25.
Spencer, Harold F. (See Haines, Stacey A., assignor.)
Spencer, Harold and F. Davis, Du Quoin, Ill. Portable repair machine. 1,841,305; Jan. 12.
Spencer Heater Company. (See Waddell, Joseph A., assignor.)
Spencer, Hugh M., assignor to The Upson Company, Lockport, N. Y. Intumescent silicate compositions. 1,847,366; Mar. 1.
Spencer, John A., assignor to The Spencer Thermostat Company, Newton, Mass. Valve. 1,848,031; Mar. 1.
Spencer, John A., Newton, assignor to Spencer Thermostat Company, Cambridge, Mass. Thermostatic device and making the same. 1,852,343; Apr. 5.
Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Temperature controlled apparatus. 1,845,357; Feb. 16.
Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Temperature controlled apparatus. 1,845,997; Feb. 16.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatic switch. 1,850,360; Mar. 22.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostat. 1,865,219; June 28.
Spencer, John A., Newtonville, assignor to The Spencer Thermostat Company, Cambridge, Mass. Thermostatic switch. 1,883,046; Oct. 18.
Spencer, John A., Newtonville, assignor to Spencer Thermostat Company, Cambridge, Mass. Thermostat. 1,883,249; Oct. 18.
Spencer, John A., Newtonville, assignor to Spencer Thermostat Company, Cambridge, Mass. Valve. 1,883,250; Oct. 18.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostat. 1,883,252; Oct. 18.
Spencer, John A., Newtonville, and V. Bush, Belmont, assignors to General Plate Company, Attleboro, Mass. Thermostat. 1,883,251; Oct. 18.
Spencer Lens Company. (See Ott, Harvey N., assignor.)
Spencer, Lorillard, New York, N. Y. Boat engine. 1,868,810; June 21.
Spencer, Lorillard, New York, N. Y. Composite metal work. 1,866,583; July 12.
Spencer, Lorillard, New York, N. Y. Composite metal work. 1,866,584; July 12.
Spencer, Louis M., assignor to General Motors Corporation, Detroit, Mich. Oil gauge rod. 1,865,285; June 28.
Spencer, Millard C., East Orange, N. J., assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Regulating system for alternating current generators. 1,843,250; Feb. 2.
Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Operating polyphase motors from a single-phase source. 1,857,411; May 10.
Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Regulating system for alternating current generators. 1,884,902; Oct. 25.
Spencer, Percy L., Medford Mass. Electrical apparatus. 1,884,327; Oct. 25.
Spencer, Percy L., Medford, assignor to Raytheon Inc., Cambridge, Mass. Voltage regulator. 1,878,341; Sept. 20.
Spencer, Richard, Fort Worth, Tex. Horoscope. Des. 87,602; Aug. 16.
Spencer, Samuel A., Denver, Colo. Ventilator. 1,849,812; Mar. 15.
Spencer Thermostat Company. (See Bush, Vannevar, assignor.)
Spencer Thermostat Company. (See Gregory, Eli E., assignor.)
Spencer Thermostat Company. (See Maurer, Rufus H., assignor.)
Spencer Thermostat Company. (See Spencer, John A., assignor.)
Spencer, Wesley D., et al. (See Gonsett, Robert R., assignor.)
Spencer, Wilbert A. (See Spencer, William A. N. and W. A.)
Spencer, William A. N. and W. A., Lee, Mass. Paper making apparatus. 1,887,143; Nov. 8.
Spengler, Harold C., Rockford, Ill. Punch. 1,890,955; Dec. 13.
Spengler, Harold C., Rockford, Ill. Bench punch. 1,891,956; Dec. 13.
Spengler, Henry, assignor to J. S. Cushman, New York, N. Y. Bottle cap. 1,879,640; Sept. 27.
Spengler, Johan P. (See Spengler, Peter J. and J. P.)
Spengler, Peter J. and J. P., Ostwine, Germany. Briquetting coal. 1,891,893; Dec. 20.
Spengler, Walter J., assignor to Scintilla Magneto Company, Inc., Sidney, N. Y. Shaft coupling. 1,856,975; May 3.
Spero, Frank, Ithaca, N. Y. Railroad ballast scraper. 1,873,794; Aug. 23.
Spenst, Jacob, Munich, N. Dak. Grain grader and cleaning machine. 1,868,123; July 19.
Speranzi, Giovanni, et al. (See Foti, Charles, assignor.)
Sperisen, Ernest. (See Lauctot, A., and Sperisen.)
Sperlich, Herman A., and J. H. Uhlig, Detroit, Mich. Cabinet ironing machine. 1,843,499; Mar. 8.
Sperling, Edward, New York, N. Y. Carrier for valuables. 1,884,328; Oct. 25.
Sperling, Eva, assignor to Pittsburg Utilities, New York, N. Y. Instantaneous water heater. 1,879,956; Sept. 27.
Sperling, Frank M., Bristol, Pa. Copyholder. 1,881,102; Oct. 4.
Sperling, Frank M., Bristol, Pa. Copyholder. 1,881,103; Oct. 4.
Sperling, Jacob, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,873,353; Aug. 23.
Sperling, Joseph, New York, N. Y. Embroidering device. 1,881,247; Oct. 4.
Sperling, Joseph, New York, N. Y. Strainer. 1,888,245; Nov. 22.
Sperling, Morris, assignor to Knickerbocker Silver Co. Inc., Port Jervis, N. Y. Container. Des. 88,585; Dec. 6.
Spero, Charles. (See Apichell, Ralph, assignor.)
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification process. 1,841,419; Jan. 19.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Treatment of viscose solutions. 1,841,420; Jan. 19.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification process and apparatus. 1,841,421; Jan. 19.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Gas purification process. 1,854,491; Apr. 19.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Fluid contact apparatus. 1,854,492; Apr. 19.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Dehydrating gas. 1,854,770; Apr. 19.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Process and apparatus for dehydrating gas. 1,855,615; Apr. 26.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Aeration and gas purification process. 1,866,229; July 5.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Carbonization process. 1,866,730; July 12.

Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Gas and liquid contact apparatus. 1,873,004; Aug. 23.

Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Gas purification process. 1,878,609; Sept. 20.

Sperry, D. R., & Co. (See Sperry, David R., assignor.)

Sperry, David R., assignor to D. R. Sperry & Co., Batavia, Ill. Filler press. 1,859,225; Nov. 29.

Sperry Development Company. (See Jones, George L., assignor.)

Sperry Development Company. (See Scharnagel, Herman J., assignor.)

Sperry Development Company. (See Sperry, Elmer A., assignor.)

Sperry Development Company. (See Sperry, E. A., and Perry, assignors.)

Sperry, Elmer A. (See Sperry, E. A. and E. A., jr.)

Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company. Refining oil. Re18,344; Feb. 9.

Sperry, Elmer A., deceased, Brooklyn, N. Y., by Sperry Products, Inc., Brooklyn, N. Y., assignee. Fissure detector for metals. Re18,555; Aug. 2.

Sperry, Elmer A., jr., assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Aircraft level indicating device. Des. 87,173; June 9.

Sperry, Elmer A., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Track recorder system. 1,843,959; Feb. 9.

Sperry, Elmer A., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Recorder for ships. 1,850,978; Mar. 22.

Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Engine. 1,855,929; Apr. 26.

Sperry, Elmer A., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., Automatic control of aircraft. 1,859,752; May 24.

Sperry, Elmer A., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic steering mechanism for dirigible aircraft. 1,867,634; July 12.

Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Improvement in combustion chamber for combustion engines. 1,861,832; May 19.

Sperry, Elmer A., Brooklyn, N. Y., assignor to The Sperry Development Company. Combustion engine. 1,867,683; July 19.

Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Preventing the vibration of crank shafts. 1,867,684; July 19.

Sperry, Elmer A., assignor, by mesne assignments, to Sperry Products Inc., Brooklyn, N. Y. Fissure detector for magnetic materials. 1,867,685; July 19.

Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Marine aircraft. 1,871,476; Aug. 16.

Sperry, Elmer A., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Indicator for aircraft. 1,880,994; Oct. 4.

Sperry, Elmer A. and E. A., jr., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Self synchronous trasmission system. 1,850,640; Mar. 22.

Sperry, Elmer A. and E. A., jr., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Self-synchronous transmission system. 1,850,780; Mar. 22.

Sperry, Elmer A., Brooklyn, and H. C. Drake, Hempstead, assignors, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector for irregular objects. 1,874,067; Aug. 30.

Sperry, Elmer A., and W. M. Perry, Brooklyn, N. Y., assignors to Sperry Development Company, Dover, Del. Variable pitch propeller. 1,874,714; Aug. 30.

Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)

Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)

Sperry Gyroscope Company. (See Chafee, Earl W., assignor.)

Sperry Gyroscope Company. (See House, Frank R., assignor.)

Sperry Gyroscope Company. (See Mahoney, Joseph N., assignor.)

Sperry Gyroscope Company. (See Mills, C. B., and Bassett, assignors.)

Sperry Gyroscope Company. (See Rawlings, Arthur L., assignor.)

Sperry Gyroscope Company. (See Sparling, Eric C., assignor.)

Sperry Gyroscope Company. (See Sperry, Elmer A., assignor.)

Sperry Gyroscope Company. (See Sperry, Elmer A., jr., assignor.)

Sperry Gyroscope Company. (See Sperry, E. A. and E. A., jr., assignors.)

Sperry Gyroscope Company. (See Thompson, Herbert H., assignor.)

Sperry Gyroscope Company. (See Thompson, H. H., and Sparling, assignors.)

Sperry Gyroscope Company. (See Wittkuhns, Bruno A., assignor.)

Sperry Gyroscope Company Inc. (See Pearse, Edmund, assignor.)

Sperry Gyroscope Company, Inc., The. (See Tanner, Harry L., assignor.)

Sperry, John B., assignor to The American Well Works, Aurora, Ill. Pumping apparatus. 1,860,513; May 31.

Sperry, Lawrence B., Garden City, N. Y., by W. A. Sperry and Bank of America, co-executors, New York, N. Y. Automatic pilot for aircraft. 1,857,335; Nov. 8.

Sperry, Leonard B., Western Springs, Ill., assignor to International Harvester Company. Seat support. 1,864,282; June 21.

Sperry Products, Inc. (See Cushnie, Peter, assignor.)

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Sperry Products, Inc. (See Drake, H. C., and Drain, assignors.)

Sperry Products, Inc. (See Jones, George L., assignor.)

Sperry Products, Inc. (See Perry, Walter M., assignor.)

Sperry Products, Inc. (See Sperry, Elmer A., assignor.)

Sperry Products, Inc. (See Sperry, E. A., and Drake, assignors.)

Sperry, Richard A. (See McLaine, W. L., and Sperry.)

Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Escapement means for typographical machines. 1,842,354; Jan. 19.

Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Mold for line casting machines. 1,852,965; Apr. 5.

Sperry, Samuel E., Hollis, N. Y., assignor to Intertype Corporation, New York, N. Y. Assembler star wheel. 1,850,119; May 10.

Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Keyboard mechanism for typographical machines. 1,874,144; Aug. 30.

Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Mold for typographical machines. 1,885,777; Nov. 1.

Sperry-Sun Well Surveying Company. (See Nichols, Charles R., assignor.)

Sperry-Sun Well Surveying Company. (See Winn, William E., assignor.)

Sperry, William E., San Diego, Calif. Toy. 1,887,791; Nov. 15.

Sperry, Winifred A., et al., executors. (See Sperry, Lawrence B.)

Sperti, George, Covington, Ky., assignor to Sperti Lamp Corporation, New York, N. Y. Vapor arc apparatus. 1,889,079; Nov. 29.

Sperti Lamp Corporation. (See Sperti, George, assignor.)

Spery, Charles F., Clinton, Ill. Mixer for washing and like machines. 1,849,113; Mar. 15.

Spicer Airflater, Inc. (See Brown, William H., assignor.)

Spicer Airflater, Inc. (See Spicer, Delphin H., assignor.)

Spicer, Delphin H., Lakewood, Ohio. Coupling. 1,858,251; May 17.

Spicer, Delphin H., Lakewood, Ohio. Sealing means for tire valves. 1,864,401; June 21.

Spicer, Delphin H., Lakewood, assignor to Spicer Airflater, Inc., Cleveland, Ohio. Automatic tire inflater. 1,874,375; Aug. 30.

Spicer, Delphin H., Lakewood, assignor to Spicer Airflater, Inc., Cleveland, Ohio. Dual tire pressure equalizer. 1,882,455; Oct. 11.

Spicer Manufacturing Corporation, The. (See Culbertson, E. Estay, assignor.)

Spicer Manufacturing Corporation. (See Padgett, J. E., and Peterson, assignors.)

Spicers Limited. (See Baker, Thomas T., assignor.)

Spicers Limited. (See Goldsmith, John N., assignor.)

Spicers Limited. (See Kingston, Arthur W., assignor.)

Spicers Limited. (See Wickham, Alfred R., assignor.)

Spicklemire, Chester T., Whitehall, and I. Taylor, Muskegon, Mich. Grip. 1,858,529; May 17.

Spicknall, Thomas F., Baltimore, Md., assignor to The Western Gas Construction Company. Fuel charging device for gas generators. 1,868,924; July 26.

Spidla, Frank, and F. J. Hrabal, Limerick, Saskatchewan, Canada. Tire chain. 1,867,773; July 19.

Spiegel, Jacob, Philadelphia, Pa. Airplane construction. 1,841,921; Jan. 19.

Spiegelhalter, Joseph jr., St. Louis, Mo. Guard for paint brushes. 1,887,525; Nov. 15.

Spiegler, Louis. (See Tinker, J. M., and Spiegler.)

Spiekermann, William, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Device for emptying glass melting pots. 1,863,170; Feb. 2.

Spiel, Robert E., assignor to Magill-Weinsheimer Company, Chicago, Ill. Display device. 1,866,135; July 5.

Spielberg, Joseph M., and Abraham Goodstein, Brooklyn, N. Y. Medical tampon. 1,887,526; Nov. 15.

Spieler, Joseph. (See de Montmollin, G., Gubler, and Spieler.)

Spielman, Milton H., Cuyagoga Falls, assignor to The Black and Decker Electric Company, Kent, Ohio. Liquid dispensing device. 1,848,393; Mar. 8.

Spiers, Ernest, assignor to William Spiers Limited, Leicester, England. Knitting machine. 1,855,033; Apr. 19.

Spiers, William, Limited. (See Kent, Alfred W., assignor.)

Spiers, William, Limited. (See Spiers, Ernest, assignor.)
Spira, Joseph D., et al. (See Edberg, Silas M., assignor.)
Spiess, Georg, Leipzig, Germany. Device for coupling a printing press with a sheet feeding device. 1,853,941; Apr. 12.
Spiess, Georg, Leipzig-Plagwitz, Germany. Sheet cutting machine. 1,885,858; Oct. 18.
Spigelmire, Charles E., Sparrows Point, and R. M. Walters, Dundalk, Md., assignors to Bethlehem Steel Company. Removing defects from metal bodies. 1,861,760; June 7.
Spiker, Wilber L., assignor to American Steel Products Co., Macomb, Ill. Draft control for heaters. 1,840,474; Jan. 12.
Spikerman, Frank T., Akron, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Slice bar. 1,861,195; May 31.
Spikes, Richard B., San Francisco, Calif. Automatic gear shift. 1,889,814; Dec. 6.
Spilling, Albert R., Long Island Placid Club, N. Y. Swingable garment hanger support. 1,891,844; Dec. 20.
Spiller, George A., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Door. 1,869,029; July 26.
Spiller, William R., assignor to The White Motor Company, Cleveland, Ohio. Spark control. 1,845,815; Feb. 16.
Spiller, William R., assignor to The White Motor Company, Cleveland, Ohio. Force amplifying means. 1,862,718; June 14.
Spillers Limited. (See Giles, Frank C., assignor.)
Spillman, Harry L., assignor of one-half to R. Haggard, Winchester, Ky. Barber's tool sterilizer. 1,841,503; Jan. 19.
Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus and method of drawing glass. 1,882,262; Oct. 11.
Spinasse, Arthur E., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Method of and apparatus for drawing glass. 1,844,049; Feb. 9.
Spinasse, Arthur E., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Method of and apparatus for drawing glass. 1,861,761; June 7.
Spinasse, Arthur E., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus and method for drawing glass. 1,878,906; Sept. 20.
Spindel, Moses, Innsbruck, Austria. Testing machine. 1,881,527; May 31.
Spindler, Alfred G., Pittsburgh, Pa. Combined bird bath and sun dial. Des. 87,364; July 12.
Spindler, Herman A., Columbus, Tex. Culvert. 1,850,335; Mar. 22.
Spindler, Henry, Paris, France. Process and apparatus for producing photo-chemical radiations. 1,880,333; Oct. 4.
Spindler, William M., New Orleans, La. Automatic window fastener. 1,858,345; May 17.
Spinelli, Guido, assignor of one-half to C. D'Alessio, New York, N. Y. Spark plug. 1,856,001; Apr. 26.
Spink, Ernest W., Takoma Park, Md. Door or window construction. 1,848,673; Mar. 8.
Spinks, Andrew M. (See Millam, Webster S., assignor.)
Spinks, Raleigh J., Chicago, Ill. Window wiper. 1,866,375; July 5.
Spino, Leon, Clyde, N. Y. Sugar bowl. Des. 86,284; Feb. 16.
Spira, David H., Cleveland, Ohio. Clutch brake. 1,853,157; Apr. 12.
Spira, Leopold, Zurich, Switzerland. Paint pulverizer. 1,801,067; Dec. 13.
Spire, William H., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Method of and apparatus for forging upset articles. 1,856,440; May 3.
Spire, William H., assignor to Thompson Products Incorporated, Cleveland, Ohio. Material sorting machine. 1,883,047; Oct. 18.
Spiro, Ada J. (See Spiro, Harry, assignor.)
Spiro, Ada J. (See Spiro, H., assignor, and Anderson.)
Spiro, Harry, San Francisco, Calif., assignor to A. J. Spiro. Fountain pen. 1,890,100; Dec. 6.
Spiro, Harry, San Francisco, and W. F. Anderson, Alameda, Calif.; said Spiro assignor to Ada Joel Spiro. Temperature actuated circuit closing device. 1,868,925; July 26.
Spiro, Walter J., White Plains, N. Y. Piston handling implement. 1,851,116; Mar. 29.
Spiro, Walter J., White Plains, N. Y. Loop adjusting device. 1,854,066; Apr. 19.
Spirson, John K. (See Armacost, W. H., and Spirson.)
Spitalny, Fred, assignor to Superior Products Corporation, Elizabeth, N. J. Vanity case. Des. 87,030; May 24.
Spitz, Max, and J. Srovnal, Liverec, Czechoslovakia; said Srovnal assignor to said Spitz. Folding kaiser roll. 1,891,845; Dec. 20.
Spitzenberger, August H., Ralston, Nebr., and C. E. Fronsdahl, Council Bluffs, Iowa. Temperature control apparatus. 1,848,440; Mar. 8.
Spitzer, Otto F., Chicago, Ill. Radiocabinet. Des. 86,417; Mar. 1.
Spitzglass, Albert F. (See Cunningham, A. B., and Spitzglass.)
Spitzglass, Albert F., assignor to Republic Flow Meters Co., Chicago, Ill. Pressure gauge. 1,847,104; Mar. 1.
Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Electrical product registering apparatus. 1,847,105; Mar. 1.
Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Pyrometer control. 1,853,469; Apr. 12.
Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Fen. 1,870,286; Aug. 9.
Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Boiler meter recorder. 1,886,844; Nov. 8.
Spitzglass, Albert F., and O. T. Handwerk, assignors to Republic Flow Meters Company, Chicago, Ill. Pyrometer. 1,890,701; Dec. 13.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,845,711; July 5.
Splitdorf Electrical Company. (See Dunham, L. S., and Robertson, assignors.)
Spohr, Arthur, and F. Skeel, Meadville, Pa. Rotary cutter. 1,844,446; Feb. 9.
Spohr, Carl W., Chicago, Ill., assignor to C. B. Camp, trustee, Glencoe, Ill. Fuel feed system for motor vehicles. 1,842,430; Jan. 26.
Spohrer, Gregory J., East Orange, N. J. Compressor. 1,840,265; Jan. 5.
Sponable, Earl I., New York, N. Y. Apparatus for printing from a negative sound record to a positive. 1,858,603; May 17.
Sponable, Earl I., assignor to Fox-Case Corporation, New York, N. Y. Moving talking picture apparatus. 1,851,117; Mar. 29.
Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Combined moving picture and sound camera. 1,874,712; Aug. 30.
Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Combined moving picture and sound camera. 1,879,573; Sept. 27.
Sponar, Aloysius T., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Bunsen burner. 1,844,302; Feb. 9.
Sponar, Aloysius T., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Fluid motor. 1,850,051; Mar. 15.
Sponar, Aloysius T., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Thermostatically operative valve. 1,850,963; Mar. 22.
Sponsel, Charles, Mancos, Colo. Hypodermic kit. 1,855,316; May 24.
Sponsel, Charles, Mancos, Colo. Branding iron. 1,859,317; May 24.
Sponsel, Kurt. (See Ernst, O., and Sponsel.)
Sponsel, Kurt. (See Ernst, Otto, Sponsel, and Balle.)
Sponsel, Kurt. (See Persiel, H., Balle, and Sponsel.)
Sponsel, Kurt, Frankfort-on-the-Main-Hochst, and K. Jobelius, assignors to Farbenindustrie Aktiengesellschaft, I. G., Frankfort-on-the-Main, Germany. Strengthening cotton, artificial silk, artificial foils of cellulose, viscose, or the like and material prepared by this process. 1,877,263; May 13.
Spoonamore, Edward B., sr., Jonesboro, Ark. Concrete burial vault. 1,844,447; Feb. 9.
Spooner, Henry W., Brooklyn, N. Y. Method and apparatus for printing security quotations. 1,866,944; July 12.
Spoonholtz, F. (See Frenkler, Emil, assignor.)
Spoor, William. (See Cross, John R., assignor.)
Spoor, William M., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clearance valve construction. 1,874,135; Aug. 30.
Spore, Judson P. (See Cooney, F. B., and Spore.)
Spork, Carl W., and J. J. Herzig, San Francisco, Calif. Strap motion. 1,875,515; Sept. 6.
Sporn, Philip. (See Cornelius, E. S., Freitag, and Sporn.)
Sporn, Philip, New York, N. Y. Metal pole for electric power systems. 1,891,736; Dec. 20.
Sporn, Philip, Brooklyn, and H. D. Freitag, Lynbrook, assignors to Electric Progress Company, Inc., New York, N. Y. Testing arrangement for power circuits. 1,887,962; Nov. 15.
Sportcruiser Corporation. (See Hixon, Samuel S., assignor.)
Spotz, Chester A., Stamford, Conn. Toy glider. 1,887,337; Nov. 8.
Spousta, Winslow C. (See McCann, P. S., and Spousta.)
Spowart, John B. (See Smith, T. C., and Spowart.)
Spracher, Clifford D., Long Beach, Calif., and A. M. Reid, Wyller, Calif. Belt pulley. 1,849,837; Mar. 15.
Sprague, Alson J., Middletown, assignor to The Borden Company, New York, N. Y. Conveyer. 1,843,522; Feb. 2.
Sprague, Alson J., Middleton, assignor to The Borden Company, New York, N. Y. Detector mechanism. 1,868,546; July 26.
Sprague, Carl C., Westboro, Mass. Printing on inflatable articles. 1,870,825; Aug. 9.
Sprague, Clarence A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio clock regulation. 1,869,175; July 26.
Sprague, Edward W., Allentown, assignor to Fuller Company, Catasauqua, Pa. Circuit closer. 1,892,084; Dec. 27.

Sprague, Elmer A., assignor of one-half to H. O. Kellogg, Caldwell, Idaho. Sash putty remover and glazing table. 1,863,508; June 14.

Sprague, Frank D., assignor to Sprague Specialties Company, Quincy, Mass. Winding machine. 1,886,063; Nov. 1.

Sprague, Frank J., New York, N. Y. Train control. 1,886,062; Nov. 1.

Sprague, Frank J., assignor to Sprague Safety Control & Signal Corporation, New York, N. Y. Apparatus for controlling the movement of vehicles on railroads. 1,860,908; May 31.

Sprague, Frank D., assignor to Sprague Safety Control & Signal Corporation, New York, N. Y. Apparatus for controlling the movement of vehicles on railroads. 1,860,957; Aug. 2.

Sprague, Frank J., assignor to Sprague Safety Control & Signal Corporation, New York, N. Y. Apparatus for controlling movement of vehicles on railroads. 1,876,032; Sept. 6.

Sprague, Frank J., Sharon, Conn., assignor to Sprague Safety Control and Signal Corporation, New York, N. Y. Method of and apparatus for control of train movements. 1,889,724; Nov. 29.

Sprague, Frank J., and M. Knab, New York, N. Y., assignors to Sprague Specialties Company, Quincy, Mass. Device for compressing corrugated tubes. 1,852,487; Apr. 5.

Sprague, Frank N., Holyoke, Colo. Grain separator for threshing machines or combines. 1,864,772; June 28.

Sprague, Henry H., assignor to The Sprague Meter Company, Bridgeport, Conn. Gas meter. 1,892,520; Dec. 27.

Sprague, Herbert E. (See Phillips, C. L., and Sprague.)

Sprague, Le Roy A., and C. F. Dorsch, Modesto, Calif. Sample projecting apparatus. 1,875,171; Aug. 30.

Sprague, Lucy A., administratrix. (See Krause, Paul.)

Sprague Meter Company, The. (See Goldkamp, Otto, assignor.)

Sprague Meter Company, The. (See Sprague, Henry H., assignor.)

Sprague, Phillip T., and A. Soller, assignors to The Hays Corporation, Michigan City, Ind. Pressure gauge. 1,841,651; Jan. 19.

Sprague Safety Control & Signal Corporation. (See Sprague, Frank J., assignor.)

Sprague Safety Control and Signal Corporation. (See Work, Leonard, assignor.)

Sprague-Sells Corporation. (See Bauer, Edward G., assignor.)

Sprague-Sells Corporation. (See De Back, William, assignor.)

Sprague-Sells Corporation. (See de Back, W., and Sells, assignors.)

Sprague Sells Corporation. (See Holmquist, August, assignor.)

Sprague-Sells Corporation. (See McGhee, Thurman, assignor.)

Sprague-Sells Corporation. (See Schmidt, John, assignor.)

Sprague-Sells Corporation. (See Sells, Ogden S.)

Sprague-Sells Corporation. (See Sells, Ogden S., assignor.)

Sprague-Sells Corporation. (See Weiss, Wenzel F., assignor.)

Sprague, Sidney, Boston, Mass. Cigarette case and lighter. 1,862,913; June 14.

Sprague Signs, Inc. (See Recke, William, assignor.)

Sprague Specialties Co. (See Clark, Walter W., and McCann, assignors.)

Sprague Specialties Company. (See Sprague, Frank D., assignor.)

Sprague Specialties Company. (See Sprague, F. J., and Knab, assignors.)

Sprague, Warner & Company. (See Burkhart, Charles F., assignor.)

Sprague, Warner & Company. (See Potter, P. D., and Metzger, assignors.)

Sprague, William E., et al. (See Krause, Paul, assignor.)

Spratt's Patent (America) Limited. (See Hartmann, August, assignor.)

Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection. 1,884,329; Oct. 25.

Spreckelmeyer, Herbert A. (See Leffert, Julius, assignor.)

Spreckels, Claus A., New York, N. Y. Refining sugar. 1,861,719; June 14.

Spreckels, J. D. & A. B., Investment Company. (See Witherspoon, W. O., and Harrower, assignors.)

Spreckels, Walter F., Yonkers, N. Y. Refining sugar. 1,844,020; Feb. 9.

Spreen, Charles C., Detroit, Mich., assignor, by mesne assignments, to Seeger Refrigerator Company, St. Paul, Minn. Mechanical refrigeration. 1,860,436; May 31.

Spreen, Charles C., assignor to Kelvinator Corporation Detroit, Mich. Refrigerating apparatus for bottled goods. 1,862,638; June 14.

Spreet, Fred W., Hobart, Ind. Memorial tablet. 1,844,048; Feb. 9.

Sprenger, Arthur, Berlin, Germany. Steel melting furnace and manufacturing the same. 1,849,441; Mar. 15.

Sprenger, Arthur, Berlin-Karlshorst, Germany. Producing refractory bodies. 1,886,268; Nov. 1.

Sprenger, Arthur, Berlin-Charlottenburg, assignor to Friedrich Siemens Aktien Gesellschaft, Berlin, Germany. Reheating furnace. 1,849,231; Mar. 8.

Sprenkle, John and M. F., Philadelphia, Pa. Sock. Des. 87,732; Sept. 6.

Sprenkle, Marie F. (See Sprenkle, John and M. F.)

Sprent, William C. (See Bennett, N., Dodd, and Sprent.)

Sprent, William C. (See Bennett, N., Dodd, Sprent, and Holt.)

Spriggs, Arthur O., assignor to The Champion Company, Springfield, Ohio. Embalming instrument. 1,882,235; Oct. 11.

Spriggs, Walter A., Southsea, England. Endless conveyer. 1,875,183; Aug. 30.

Sprigings, David A., Providence, R. I., assignor to Stickney & Poor Spice Co., Boston, Mass. Receptacle cover. 1,870,390; Aug. 9.

Spring, Alva F., assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Hand grenade, etc. 1,878,487; Sept. 20.

Spring, Otto. (See Merley, S. R., and Spring.)

Springer, Hinrich. (See Akkin, Johann H., assignor.)

Springer, William O., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,853,092; Apr. 12.

Springfield Boiler Co. (See Banck, Hans J. E., assignor.)

Springfield Metallic Casket Company, The. (See Henderson, Joe F., assignor.)

Springfield Wire & Tinsel Co. (See Bradford, Edward S., Jr., assignor.)

Springmann, Kurt, Berlin-Dahlen, Germany. Manufacturing spoons and similar articles. 1,864,003; June 21.

Sprink, Isaac W., and J. B. Nordholt, assignors to The Lozenger Products Company, Toledo, Ohio. Force damping device. 1,847,449; Mar. 1.

Sprinkle, Lake H., Brooklyn, N. Y. Color shade guide for artificial teeth. 1,844,720; Apr. 19.

Sprinkle, Stanley A., Kalamazoo, Mich. Folding skate sail. 1,859,178; May 17.

Sprinkle, Sylvarius A., Martinsburg, W. Va. Rail joint. 1,850,990; Mar. 22.

Sprinkle, Sylvarius A., Martinsburg, W. Va. Rail joint. 1,857,007; May 3.

Sproles, William W., La Feria, Tex. Self-weighing bin. 1,863,288; June 14.

Sprong, Severn D., Brooklyn, N. Y., assignor to General Electric Company, a corporation of. 1,891,959; Dec. 27.

Sprongerts, Eduard W., deceased; J. Sprongerts, administratrix, and R. Franke, assignors to Kalle & Co. Aktiengesellschaft, Biebrich, Germany. Light-sensitive layer. 1,870,930; Aug. 9.

Sprongerts, Johanna, administratrix. (See Sprongerts, W., and Franke.)

Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 1,861,460; June 7.

Sproul, Donald F., Chicago, Ill., assignor to Union Draft Gear Co. Draft gear. 1,868,205; July 19.

Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Cushioning device. 1,883,048; Oct. 18.

Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Cushioning device. 1,883,049; Oct. 18.

Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 1,883,050; Oct. 18.

Sproul, William C., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Metal working tool. 1,879,574; Sept. 27.

Sprouse, Verner F., Indianapolis, Ind. Welding torch holder. 1,845,207; Feb. 16.

Sproval, Joseph (See Spolta, M., and Sprovnal, assignor.)

Sprowls, George M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,850,324; Apr. 5.

Spruill, Moye W., Plymouth, N. C. Shoe shining machine. 1,887,906; Nov. 15.

Spruce, Abraham, Brooklyn, N. Y. Street sign. 1,888,246; Nov. 22.

Sprung, Abraham, assignor to Municipal Street Sign Co., Inc., New York, N. Y. Combined sign frame and holder. Des. 87,244; June 21.

Sprung, Abraham, assignor to Municipal Street Sign Co. Inc., New York, N. Y. Street sign. 1,863,357; June 14.

Sprung, Edmund A., Detroit, Mich. Grinding fixture. 1,839,810; Jan. 5.

Sprunger, Vernon J., assignor to American Anode Incorporated, Akron, Ohio. Manufacture of rubber goods. 1,864,621; June 28.

Spry, Richard, Port Alfred, Quebec, Canada. Splicing paper cores, rubber, etc. 1,857,519; May 10.

Spry, William M., Beachmont, assignor to L. F. Muther, Newton Center, Mass. Delivering mechanism for eyeleting and similar machines. 1,850,052; Mar. 15.

Spurgeon, Frank E., and S. Lynch, Sabina, Ohio. Clamp. 1,886,132; Nov. 1.

Spurgeon, George O. and O. R., Auburn, W. Va. Woven wire clamp. 1,846,915; Feb. 23.

Spurgeon, Oral R. (See Spurgeon, George O. and O. R.)

Spurrier, Schuyler O., Carnegie, Okla. Aerial transportation apparatus. 1,876,153; Sept. 6.

Spyker, Ephraim K., Sacramento, Calif. Plow plane. 1,876,872; Sept. 13.

Square D Company. (See Ball, Albert F., assignor.)
Square D Company. (See Jackson, John G., assignor.)
Square D Company. (See Jenkins, Paul S., assignor.)
Square D Company. (See Kauffman, T. J., and Widmer, assignors.)
Square D Company. (See Kingdon, Ralph H., assignor.)
Square D Company. (See Van Valkenburg, Hermon L., assignor.)
Squeeze Easy Inc. (See Burkholder, A. N., and Mann, assignors.)
Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Lauter, assignors.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Moness, assignors.)
Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)
Squibb, E. R. & Sons. (See Nitardy, F. W., Christiansen, and Harris.)
Squibb, E. R., & Sons. (See Nitardy, F. W., Christiansen, and Van Winkle, assignors.)
Squier, Arthur H., Reno, Pa. Antiskid device. 1,864,869; June 28.
Squier, Arthur H., Reno, Pa. Antiskid device. 1,890,957; Dec. 13.
Squier, Ralph A., Tieton, Wash. Adjustable box form. 1,871,283; Aug. 9.
Squires, Etta M., Amityville, N. Y. Combined bedstead and lamp. (Des. 76,904; Jan. 19.
Squires, John, Detroit, Mich. Propeller. 1,839,811; Jan. 5.
Squires, John, Detroit, Mich. Airplane propeller. 1,864,260; June 21.
Squires, John, Detroit, Mich. Airplane. 1,871,015; Aug. 9.
Squires, John, Detroit, Mich. Propelling means for airplanes. 1,878,011; Sept. 20.
Squires, John, Detroit, Mich. Airplane propeller. 1,880,995; Oct. 4.
Squires, John, Detroit, Mich. Propeller. 1,885,487; Nov. 1.
Squires, John, Hagerstown, Md. Making propeller blades. 1,884,903; Oct. 25.
Squires, John, Hagerstown, Md. Propeller blade adjusting means. 1,884,904; Oct. 25.
Squyer, Albert R., assignor to Weaver Manufacturing Company, Springfield, Ill. Headlight-tester. 1,887,524; Nov. 15.
Sramek, William, New York, N. Y. Airplane. 1,844,448; Feb. 9.
Stacke, Spencer O., assignor of one-half to R. W. Hutchison, Inc., Chire, Wis. Rubber ice cream shipper. 1,868,773; July 26.
Staats, Edward, jr., Merrill, Wis. Airplane propeller. 1,879,907; Sept. 20.
Staats, Harry, Mount Kisco, assignor to Rusling Wood, Inc., New York, N. Y. Advertising display carton. 1,866,493; July 5.
Stabili, Giocchino, Morrisville, Pa. Combined telephone receiver and transmitter set. 1,866,429; July 5.
Stabili, Giocchino, Morrisville, Pa. Nonskid device for pneumatic tires. 1,884,300; Oct. 25.
Stability Meter Corporation. (See Wilson, John L., assignor.)
Stabler, Reuben A., Endicott, N. Y. Demountable automobile wheel. 1,864,261; June 21.
Stacey, Alfred E., jr., Essex Falls, and C. M. Ashley, South Orange, assignors to Carrier Engineering Corporation, Newark, N. J. Air conditioning and distributing unit. 1,878,012; Sept. 20.
Stacey Bros. Gas Construction Company, The. (See Dyckerhoff, Adolph W., assignor.)
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe material. 1,847,373; Mar. 1.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Reeling system. 1,891,273; Dec. 20.
Stark, George B., Ballston Spa, N. Y., assignor to General Electric Company. Wire drawing apparatus. 1,844,699; Feb. 9.
Stackhouse, Chester R., Cadillac, Mich. Baseball target. Des. 87,944; Oct. 11.
Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 1,846,370; Feb. 23.
Stackpole Carbon Company. (See Hathorn, Clarence J., assignor.)
Stacy, Leland J., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,867,827; May 10.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Press system. 1,859,058; May 17.
Stadelhofer, Leslie M., Newark, N. J. Radiator and air valve therefor. 1,845,634; Feb. 16.
Stadler, Florence M., Plymouth, Mich. Educational appliance. 1,869,522; Aug. 2.
Stadium Stores, Inc. (See Rorrer, C. E., and Mitterer, assignors.)
Stadler, Charles. West New York, N. J. Smoke house. 1,842,431; Jan. 26.
Stadler, George J., assignor to A. H. Ballard, Incorporated, Boston, Mass. Liquid fuel burner. 1,857,667; May 10.
Stadler, John, Montreal, Quebec, Canada. Rotary pulp screen. 1,845,791; Feb. 2.
Stadler, John, Montreal, Quebec, Canada. Conveying system and apparatus for pulp wood. 1,856,118; May 3.
Stadtfeld, Jacob A., assignor to Plant Rubber & Asbestos Works, Inc., San Francisco, Calif. Gas flue or vent. 1,876,357; Sept. 6.
Stadtfeld, Jacob A., assignor to Plant Rubber & Asbestos Works, San Francisco, Calif. Flue or vent. 1,876,783; Sept. 13.
Staedtler, J. S., Firm. (See Kreutzer, Karl, assignor.)
Staege, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Indicating paper dryness. 1,884,331; Oct. 25.
Staege, Stephen A., Pittsburgh, Pa., and E. E. Berry; said Berry assignor to Beloit Iron Works, Beloit, Wis. Lubricating system for driers. 1,839,508; Jan. 5.
Staegemann, Eugene, Oakwood, Ohio, assignor, by mesne assignments, to The Dayton Rubber Company. Water soluble sulphonic acid of the unsaturated hydrocarbons of oils for use as a protein precipitator. 1,847,023; Feb. 23.
Staehle, Gustav, Suhl, Germany, assignor to British Columbia, Canada. Nut for valve stems. 1,887,963; Nov. 15.
Stafford, Guy N., Gardena, Calif. Pump operating mechanism. 1,839,611; Jan. 5.
Stafford, James G., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining lubricating oil. 1,856,934; May 3.
Stafford, Stephen B., Oxford, and H. A. Smith, assignors to Rice, Barton & Fales, Incorporated, Worcester, Mass. Textile drive for color printing machines. 1,852,272; Apr. 5.
Stafford, Stephen B., Oxford, and H. A. Smith, assignors to Rice, Barton & Fales, Incorporated, Worcester, Mass. Doctor vibrator. 1,881,877; Nov. 1.
Stahl, Charles R., Stotesbury, W. Va. Material loading machine. 1,862,610; June 14.
Stahl-Chemie G. m. b. H., the Firm. (See Renkwitz, Erich, assignor.)
Stahl, Edward J., assignor to The Baker-Raulang Company, Cleveland, Ohio. Vehicle. 1,865,798; July 5.
Stahl, Elmer W. (See Hesse, E. N., and Stahl.)
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Attachment for chain making machines. 1,844,266; Feb. 23.
Stahl, Frank E., assignor to The Columbus-McKinnon Chain Corporation, Tonawanda, N. Y. Tire chain fastener. 1,851,480; Mar. 29.
Stahl, Frank E., assignor to The Columbus-McKinnon Chain Corporation, Tonawanda, N. Y., and H. Dudley, St. Catherines, Ontario, Canada, assignors to The Columbus-McKinnon Chain Corporation, Tonawanda, N. Y. Tire chain fastener. 1,860,955; May 31.
Stahl, Harry E., sr., Trenton, N. J. Compass. 1,891,068; Dec. 13.
Stahl, Hugo A. (See Latimer, W. J., Stahl, and Maldonado.)
Stahl, John H., El Paso, Tex. Ball rack. 1,888,247; Nov. 22.
Stahl, John H., El Paso, Tex. Ball rack and receptacle support. 1,888,362; Nov. 22.
Stahl, Rudolphe, Detroit, Mich., assignor to Saylor-Beall Manufacturing Company. Compressor. 1,871,826; Aug. 16.
Stahle, Erik G. (See Pedersen, I. O., and Stahle.)
Stahle, Erik G., Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing apparatus. 1,854,493; Apr. 19.
Stahle, Erik G., Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing apparatus. 1,856,173; May 3.
Stahler, George H., Cleveland, Ohio. Printing machine and printing machine chase. 1,854,867; Apr. 19.
Stahler, Isadore, Minooka, Pa. Pack strap. 1,847,501; Mar. 1.
Stahlhuth, Arthur H. (See Seaholm, E. W., Parker, and Stahlhuth.)
Stahly, William, College Point, assignor to Sanitary Public Service Corporation, New York, N. Y. Machine for making and vending or dispensing toilet seat covers and the like. 1,840,266; Jan. 5.
Staib, Karl. (See Pistor, G., Suchy, Staib, and Moschel.)
Staib, Karl, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing anhydrous aluminum chloride. 1,866,731; July 12.
Staib, Karl, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Making anhydrous magnesium chloride. 1,876,084; Sept. 6.

Staib, Karl, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Making anhydrous magnesium chloride. 1,876,085; Sept. 6.

Staib, Karl, Bitterfeld, assignor to the Firm I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of anhydrous metal chlorides. 1,878,013: Sept. 20.

Staib, Ludwig A., jr. (See Hickman, K. C. D., and Staib.)

Stainbrook, Edna. (See Koons, Morris B., assignor.)

Stair, Daniel E., assignor to Gifford-Wood Company, Hudson, N. Y. Cover installation for storage bins. 1,857,586; May 10.

Stair, Daniel E., Hudson, N. Y., and C. L. McDonald, Washington, D. C., assignors to Gifford-Wood Company, Hudson, N. Y. Cover installation for storage bins. 1,857,585; May 10.

Stair, Jacob L., Chicago, Ill. Luminair for corridors, etc. 1,865,703; June 21.

Stakmore Co. Inc. (See Kux, Albert S., assignor.)

Stalb, Arthur R., jr., Detroit, Mich. Airplane landing gear. 1,891,948; Dec. 13.

Staley, Allen C. and H. H. Waters, assignors to Climax Engineering Company, Clinton, Iowa. Combustion chamber. 1,849,040; Jan. 12.

Staley, Henry D., Oakland, Calif. Radio receiving system. 1,881,032; Oct. 4.

Staley, Joseph H., Columbus, Ind. Fictional resistance device. 1,868,262; July 19.

Staley, Miles E., assignor to Red Spot Electric Co., Inc., Tacoma, Wash. Electric fluid heater. 1,859,939; May 24.

Staley, Ralph B., Denver, Colo. Ash tray. Des. 86,895; May 3.

Staley, Ralph B., Denver, Colo. Ash tray. Des. 86,896; May 3.

Staley, Samuel S., Lebanon, Pa. Glare diverter for automobile head lamps. 1,845,729; Feb. 16.

Staley, Wayne D., Moline, Ill., assignor to Burgess Battery Company, Madison, Wis. Making dry cells. 1,874,376; Aug. 30.

Stalhane, Otto, D. R. E. Werner, and Stig Giertz-Hedström, Stockholm, Sweden. Treating materials containing arsenic acid. 1,875,897; Sept. 6.

Stalker, Edward A., Ann Arbor, Mich. Airplane wing. 1,842,993; Feb. 9.

Stalker, Edward A., Ann Arbor, Mich. Reducing the fluid resistance of automobile bodies. 1,871,396; Aug. 9.

Stalker, Elward A., Ann Arbor, Mich. Airplane construction. 1,878,723; Sept. 20.

Stallard, Malcolm, McMurkin, J. C., and Stallard.)

Stallard, Calvin B. (See Greear, Everett B., assignor.)

Stallings, Edmund O., and R. H. Gorton, assignors, by mesne assignments, to Ralph G. Lockwood, Indianapolis, Ind. Lock. 1,870,427; Aug. 9.

Stallmann, Otto. (See Deinet, J., Goodrich, and Stallmann.)

Stallmann, Otto. (See Howell, E. T., and Stallmann.)

Stallmann, Otto, South Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Mono-bromo-mono-chloro indanthrone and preparing the same. 1,862,865; June 14.

Stallsmith, Marion E., assignor to General Motors Corporation, Detroit, Mich. Vehicle shipping device. 1,871,808; Aug. 16.

Stalter, Rudolph, Brooklyn, N. Y. Window cleaner's seat. 1,856,794; May 3.

Stambaugh, Russell W., and W. E. Browne, assignors to Adjustable Joist Company, Milwaukee, Wis. Joist. 1,859,645; Apr. 19.

Stamer, Frank R., Floral Park, assignor to Mundo Products, Inc., New York, N. Y. Detachable spout for containers. 1,859,009; May 17.

Stamer, Morris, Newark, N. J. Cameo. 1,891,248; Dec 20.

Stamets, Oscar, Milford, and L. Duckworth, Finesville, assignors to Riegel Paper Corporation, Riegelsville, N. J. Control for motor-driven apparatus. 1,883,051: Oct. 18.

Stamets, William K. (See Hibbard, Robert L., assignor.)

Stanford Rubber Supply Company, The. (See Gillespie, Kingsley A., assignor.)

Stamm, Newton E., Pueblo, Colo. Flume supporting means. 1,847,575; Mar. 1.

Stammreich, Hanns, Charlottenburg, near Berlin, assignor to Piepmeyer & Co., Kommanditgesellschaft, Kassel-Wilhelmshohe, Germany. Metal arc lamp. 1,885,637; Nov. 1.

Stampe, Gerhard K. E. H., assignor to O. H. Dräger, Lubeck, Germany. Method and apparatus for protecting a habitually ailing or pitifling material against contact poisons. 1,840,611; Jan. 12.

Stanbon, Charles P., Lynn, Mass. Signal alarm system. 1,891,507; Dec. 20.

Stanbrough, Roy G., Glendale, Calif., assignor of one-third to H. J. McCoy, Inglewood, Calif., and one-third to Virgil K. Haldeman, Hollydale, Calif. Tile board. 1,867,897; July 19.

Stancliffe, Cecil W., Aldwych, London, England. Heat transfer apparatus. 1,868,436; July 19.

Stanco, Incorporated. (See Bahelka, Joseph, assignor.)

Stanford, Clement L. (See Baldwin, H. du P., and Stanford.)

Stanco, Incorporated. (See Nelson, Franklin C., assignor.)

Stanco, Incorporated. (See Pearson, Herbert P., assignor.)

Standard Automatic Candy Corporation. (See Pelzer, Harold H., assignor.)

Standard Boiler & Steel Works. (See Ulmann, Edgar A., assignor.)

Standard Brands Incorporated. (See Bennett, W. G., and Peake, assignors.)

Standard Brands Incorporated. (See Frey, C. N., Brown, and Craig, assignors.)

Standard Brands Incorporated. (See Gore, H. C., Józsa, and Frey, assignors.)

Standard Carriage Work, Inc. (See Giltsch, John, M., and J. D., and Scorsch.)

Standard Car Truck Company. (See Barber, F. L., and Webb, assignors.)

Standard Car Truck Co. (See Barber, Lee W., assignor.)

Standard Car Truck Company. (See Webb, Edwin W. assignor.)

Standard Computing Scale Company, The. (See Burkheiser, Adam C., assignor.)

Standard Computing Scale Company, The. (See Jarmichen, Louis, assignor.)

Standard Computing Scale Company, The. (See Kelley, Leonard O., assignor.)

Standard Conveyor Company. (See Caesar, J., and Eggleston, assignors.)

Standard Conveyor Company. (See Eggleston, Smith, assignor.)

Standard Crossing Gate Corporation. (See Wilson, Mercer D., assignor.)

Standard Devices, Inc. (See Berman, Otto N., assignor.)

Standard Drilling and Sand Testing Company. (See Hux, Frank, assignor.)

Standard Electric Stove Co., The. (See Pierson, Charles A., assignor.)

Standard Electric Time Company. (See Harter, George F., assignor.)

Standard Electric Time Company, The. (See Keilien, Saul, assignor.)

Standard Electric Time Company, The. (See Kenerson, Stanley M., assignor.)

Standard Gage Company. (See Aldebergh, Erik H., assignor.)

Standard Gas Engine Company, The. (See Hamilton, Rush, assignor.)

Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)

Standard I. G. Company. (See Clark, Edgar M., assignor.)

Standard-I. G. Company. (See Davis, Garland H. B., assignor.)

Standard-I. G. Company. (See Fisher, Harold W., assignor.)

Standard-I.-G. Company. (See Harding, Clarke T., assignor.)

Standard-I. G. Company. (See Hofmann, F., and Wulff, assignors.)

Standard-I. G. Company. (See Knauch, C., and Pier, assignors.)

Standard-I. G. Company. (See Luther, M., and Müller-Cunradi, assignors.)

Standard-I. G. Company. (See Pier, Mathias, assignor.)

Standard-I. G. Company. (See Pier, M., Hochschwender, and Wenzel, assignors.)

Standard-I. G. Company. (See Pier, M., and Simon, assignors.)

Standard-I. G. Company. (See Pier, M., Winkler, and Wissel, assignors.)

Standard-I.-G. Company. (See Pier, M., and Wissel, assignors.)

Standard-I. G. Company. (See Ritter, G., and Ufer, assignors.)

Standard-I. G. Company. (See Russell, Robert P., assignor.)

Standard-Johnson Company. (See Donnellan, Edward P., assignor.)

Standard-Knapp Corporation. (See Kimball, W. D., and Braren, assignors.)

Standard-Knapp Corporation. (See McKaig, Eddy T., assignor.)

Standard Lift Company. (See Stukenberg, Louis C., assignor.)

Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)

Standard Mirror Company. (See Bertell, Paul, assignor.)

Standard Mirror Company. (See LaHodny, William, assignor.)

Standard Mirror Company. (See LaHodny, W., and Bertell, assignors.)

Standard Mirror Company. (See Weir, James B., assignor.)

Standard Neckwear Company. (See Weinstein, Otto, assignor.)

Standard Oil Company. (See Adams, Chester E., assignor.)

Standard Oil Company. (See Adams, Elmer W., assignor.)

Standard Oil Company. (See Anderson, Lossie E., assignor.)

Standard Oil Company. (See Arveson, Maurice H., assignor.)

Standard Oil Company. (See Atwell, Harold V., assignor.)

Standard Oil Company. (See Bablke, William H., assignor.)
Standard Oil Company. (See Bolnen, Edwin J., assignor.)
Standard Oil Company. (See Brewster, Oswald C., assignor.)
Standard Oil Company. (See Cahoon, S. E., and Bacheldor, assignors.)
Standard Oil Company. (See Cash, Gentry, assignor.)
Standard Oil Company. (See Cooke, T. S., and Brewster, assignors.)
Standard Oil Company. (See Diggs, Sterling H., assignor.)
Standard Oil Company. (See Diggs, S. H., McGee, and Cooke, assignors.)
Standard Oil Company, The. (See Doyle, Philip C., assignor.)
Standard Oil Company. (See Ducommun, Jesse C., assignor.)
Standard Oil Company. (See Engbrecht, Herman J., assignor.)
Standard Oil Company. (See French, August, assignor.)
Standard Oil Company. (See Graves, George D., assignor.)
Standard Oil Company, The. (See Harrison, John S., assignor.)
Standard Oil Company. (See Kinney, Ansel M., assignor.)
Standard Oil Company. (See Knapp, Charles J., assignor.)
Standard Oil Company. (See Lambert, Joseph H., assignor.)
Standard Oil Company. (See Lindsay, James D., assignor.)
Standard Oil Company. (See Lowery, Hugh, assignor.)
Standard Oil Company. (See McClaughry, Richard S., assignor.)
Standard Oil Company. (See McClaughry, R. S., and Skoog, assignors.)
Standard Oil Company, The. (See McConnell, Elliott B., assignor.)
Standard Oil Company. (See McGill, William J., assignor.)
Standard Oil Company. (See Miller, Clarke C., assignor.)
Standard Oil Company. (See Monro, D. A., assignor.)
Standard Oil Company. (See Moore, J. E., and Chenicek, assignors.)
Standard Oil Company. (See Ovitz, Frank K., assignor.)
Standard Oil Company. (See Reed, Carlyle D., assignor.)
Standard Oil Company. (See Roberts, Edward N., assignor.)
Standard Oil Company. (See Robinson, Jack, assignor.)
Standard Oil Company. (See Rogers, Thomas H., assignor.)
Standard Oil Company. (See Shaeffer, E. J., and Brown, assignors.)
Standard Oil Company. (See Shepard, James H., assignor.)
Standard Oil Company. (See Stockdale, Thomas E., assignor.)
Standard Oil Company. (See Sullivan, Frederick W., jr., assignor.)
Standard Oil Company. (See Sullivan, F. W., jr., and Arveson, assignors.)
Standard Oil Company. (See Sullivan, F. W., jr., and McGill, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Company. (See Voorhees, V., and Youtz, assignors.)
Standard Oil Company, The. (See Wagoner, Earl B., assignor.)
Standard Oil Company. (See Watts, George W., assignor.)
Standard Oil Company. (See Watts, G. W., and Mathews, assignors.)
Standard Oil Company. (See Wilson, Robert E., assignor.)
Standard Oil Company. (See Wood, W. E., and Bacheldor, assignors.)
Standard Oil Company. (See Youtz, Merrill A., assignor.)
Standard Oil Company (Indiana). (See Arveson, Maurice H., assignor.)
Standard Oil Company (Indiana). (See Atwell, Harold V., assignor.)
Standard Oil Company (Indiana). (See Plummer, William R., assignor.)
Standard Oil Company (Indiana). (See Voorhees, Vanderveer, assignor.)
Standard Oil Company (Indiana). (See Whitman, Walter G., assignor.)
Standard Oil Company (Indiana). (See Wilson, Robert E., assignor.)
Standard Oil Company of California. (See Bumbaugh, Harold L., assignor.)
Standard Oil Company of California. (See Chappell, Marvin L., assignor.)
Standard Oil Company of California. (See Craise, F. L., Vesper, and Griffith.)
Standard Oil Company of California. (See Danner, Philip S., assignor.)
Standard Oil Company of California. (See Davidson, George A., assignor.)
Standard Oil Company of California. (See Davis, W. N., and Hampton, assignors.)
Standard Oil Company of California. (See Doell, Theodore W., assignor.)
Standard Oil Company of California. (See Eaton, J. C., Dickey, and Field, assignors.)
Standard Oil Company of California. (See Graves, Francis G., assignor.)
Standard Oil Company of California. (See Halloran, R. A., Chappell, and Osmer, assignors.)
Standard Oil Company of California. (See Halloran, R. A., and Shiffler, assignors.)
Standard Oil Company of California. (See Hampton, W. H., and Farrington, assignors.)
Standard Oil Company of California. (See Handy, John C., assignor.)
Standard Oil Company of California. (See Holm, Melvin M., assignor.)
Standard Oil Company of California. (See Kuhl, John, assignor.)
Standard Oil Company of California. (See Lantz, Vernon, assignor.)
Standard Oil Company of California. (See Lyder, Ernest E., assignor.)
Standard Oil Company of California. (See McEachern, Joseph H., assignor.)
Standard Oil Company of California. (See Mino, E., McCann, Fischer, and Radcliffe, assignors.)
Standard Oil Company of California. (See Nord, S. W., and Mills, assignors.)
Standard Oil Company of California. (See Osmer, James H., assignor.)
Standard Oil Company of California. (See Osmer, J. H., and Craise, assignors.)
Standard Oil Company of California. (See Shiffler, Willon H., assignor.)
Standard Oil Company of California. (See Shiffler, W. H., and Anderson, assignors.)
Standard Oil Company of California. (See Shiffler, W. H., Holm, and Miller, assignors.)
Standard Oil Company of California. (See Strout, A. L., and Lyder, assignors.)
Standard Oil Company of California. (See Terry, J. B., and Craig, assignors.)
Standard Oil Company of Indiana. (See Kinnison, William E. assignor.)
Standard Oil Development Company. (See Abrams, Frank W., assignor.)
Standard Oil Development Company. (See Archibald, F. M., and Lebo, assignors.)
Standard Oil Development Company. (See Becker, Arman E., assignor.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See Bowman, H. M., and Fentress, assignors.)
Standard Oil Development Company. (See Buc, Hyym E., assignor.)
Standard Oil Development Company. (See Calkins, A. E., and Lassen, assignors.)
Standard Oil Development Company. (See Cole, Jacob L., assignor.)
Standard Oil Development Company. (See Coleman, Stewart P., assignor.)
Standard Oil Development Company. (See Coleman, Stewart P. and J. A., assignors.)
Standard Oil Development Company. (See Duff, Ralph L., assignor.)
Standard Oil Development Company. (See Evans, Earle W., assignor.)
Standard Oil Development Company. (See Frolich, Per K., assignor.)
Standard Oil Development Company. (See Frolich, P. K., and Young, assignors.)
Standard Oil Development Company. (See Goodwin, Ralph T., assignor.)
Standard Oil Development Company. (See Grant, Dudley H., assignor.)
Standard Oil Development Company. (See Haupt, Charles H., assignor.)
Standard Oil Development Company. (See Hopkins, Marion E., assignor.)
Standard Oil Development Company. (See Howard, Frank A., assignor.)
Standard Oil Development Company. (See Howard, F. A., Lewis, and Noel, assignors.)
Standard Oil Development Company. (See Howard, F. A., and Loomis, assignors.)
Standard Oil Development Company. (See Hulse, Stewart H., assignor.)
Standard Oil Development Company. (See Lebo, Robert B., assignor.)
Standard Oil Development Company. (See Lewis, Warren K., assignor.)
Standard Oil Development Company. (See Lewis, W. K., Frolich, and Asbury, assignors.)
Standard Oil Development Company. (See Loomis, Nathaniel E., assignor.)
Standard Oil Development Company. (See Loomis, N. E., and Meacham, assignors.)
Standard Oil Development Company. (See Luster, Eric W., assignor.)
Standard Oil Development Company. (See Mann, Matthew D., jr., assignor.)
Standard Oil Development Company. (See McCabe, W. L., and Mead, assignors.)
Standard Oil Development Company. (See Meier, H. H., and Dawson, assignors.)

Standard Oil Development Company. (See Milburn, Richard P., assignor.)
Standard Oil Development Company. (See Nelson, Franklin C., assignor.)
Standard Oil Development Company. (See Nichols, H. J., and Wise, assignors.)
Standard Oil Development Company. (See Nichols, H. J., jr., and Kuhl, assignors.)
Standard Oil Development Company. (See Pope, John C., assignor.)
Standard Oil Development Company. (See Ranney, Leo, assignor.)
Standard Oil Development Company. (See Ranney, L., and Uren, assignors.)
Standard Oil Development Company. (See Rosebrook, Guy L., assignor.)
Standard Oil Development Company. (See Schonberg, Jackson R., assignor.)
Standard Oil Development Company. (See Spencer, Alexander C., assignor.)
Standard Oil Development Company. (See Stratford, Ronald K., assignor.)
Standard Oil Development Company. (See Stratford, R. K., and Moor, assignors.)
Standard Oil Development Company. (See Sydnor, Harold, assignor.)
Standard Oil Development Company. (See Thiede, William F., assignor.)
Standard Oil Development Company. (See Truman, Oriley H., assignor.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Oil Development Company. (See Wilson, A. L., and Hulse, assignors.)
Standard Oil Development Company. (See Winning, Carl, assignor.)
Standard Oil Development Company. (See Young, Philip L., assignor.)
Standard Oil Development Company. (See Zaikowsky, Wladimir M., assignor.)
Standard Pressed Steel Co. (See Hallowell, H. T., and Bennett, assignors.)
Standard Process Corporation. (See Erickson, Emil assignor.)
Standard Pump & Supply Company. (See McMillan, James O., assignor.)
Standard Register Company, The. (See Sherman, J. Q., and Metzner, assignors.)
Standard Road Maintenance Company. (See Davis, O. O., and Monroe, assignors.)
Standard Rolling Mills, Inc. (See Konigsberg, Joseph H., assignor.)
Standard Sanitary Manufacturing Company. (See Brain, George, assignor.)
Standard Sanitary Manufacturing Company. (See Mueller, Theodore E., assignor.)
Standard Sanitary Manufacturing Company. (See Reed, Henry M., jr., assignor.)
Standard Sanitary Manufacturing Company. (See Sakler, George, assignor.)
Standard Sanitary Manufacturing Company. (See Schmiedeknecht, Victor E., assignor.)
Standard Sanitary Manufacturing Company. (See Sieber, J. R., and Elwell, assignors.)
Standard Shipping Company. (See Marley, Edward, assignor.)
Standard Stations, Inc. (See Aldrich, Ralph N., assignor.)
Standard Stations, Inc. (See Eastman, J. H., and Todhunter, assignors.)
Standard Stations, Inc. (See Parker, Hubbard G., assignor.)
Standard Stations, Inc. (See Pflueger, Timothy L., assignor.)
Standard Steel and Bearings Incorporated. (See Hodge, George O., assignor.)
Standard Steel Works Company. (See Cole, Amos G., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Standard Stoker Company. (See Lower, Nathan M., assignor.)
Standard Stoker Company, Incorporated, The. (See Hunt, Andrew M., assignor.)
Standard Stoker Company, Incorporated. (See Ketchpel, Paul A. assignor.)
Standard Stoker Company Inc., The. (See Bennett, Thomas W., assignor.)
Standard Stoker Company Inc., The. (See Lower, Nathan M., assignor.)
Standard Stoker Company, Incorporated, The. (See Pickard, Frank C., assignor.)
Standard Stoker Company, Incorporated, The. (See Turner, Edwin A., assignor.)
Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Standard Stoker Company, The. (See Frankhauser, Aitken R., assignor.)
Standard Stoker Company, The. (See Hogg, Francis, assignor.)
Standard Stoker Company, The. (See Hunt, Andrew M., assignor.)
Standard Stoker Company, The. (See Lower, Nathan M., assignor.)
Standard Stoker Company, The. (See Lower, N. M., Crawford, and Turner, assignors.)
Standard Stoker Company, The. (See Lower, N. M., and Turner, assignors.)
Standard Stoker Company, The. (See Marsden, W. H. R., and Osborne, assignors.)
Standard Stoker Company, The. (See Myers, Guy M., assignor.)
Standard Stoker Company, The. (See Osborne, Lonnie E., assignor.)
Standard Stoker Company, The. (See Quinn, Charles H., assignor.)
Standard Stoker Company, The. (See Turner, Edwin A., assignor.)
Standard Stoker Company, The. (See Turner, Edwin Archer, assignor.)
Standard Stoker Company, The. (See Wenrich, Martin L., assignor.)
Standard Tank & Seat Co. (See Stedman, Alonzo W., assignor.)
Standard Textile Products Company, The. (See Tuttle, Leonard L., assignor.)
Standard Trump Bros Machine Company. (See Bristow, P. W., and Houseman, assignors.)
Standard-Trump Bros. Machine Company. (See Housman, Harold E., assignor.)
Standard Tube and Manufacturing Company. (See Diederich, Paul E., assignor.)
Standard Tube and Manufacturing Company. (See Healy, William A., assignor.)
Standbrook, Theodore C. (See Feild, B. D., and Standbrook.)
Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Turbine plant. 1,874,136; Aug. 30.
Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Barometer and temperature correcting means and constant volume governor. 1,879,575; Sept. 27.
Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Brush rigging mechanism for scberbius sets and like cascades for connecting two power systems. 1,887,567; Nov. 15.
Standfuss, Ernest R., assignor to Harnischfeger Corporation, Milwaukee, Wis. Self-dumping crawler wagon. 1,856,441; May 3.
Standfuss, Ernest R., assignor to Harnischfeger Corporation, Milwaukee, Wis. Skimmer scoop. 1,883,052; Oct. 18.
Standish, Edward K., Stoughton, Mass. Variable speed transmission. 1,851,743; Oct. 18.
Standish, Edward K., Stoughton, Mass. Braiding machine. 1,888,477; Nov. 22.
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoemaking. 1,847,274; Mar. 1.
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,847,275; Mar. 1.
Standish, Myles, Council Bluffs, Iowa. Truck body. 1,859,119; May 24.
Standish, Myles, Council Bluffs, Iowa. Truck body. 1,884,333; Oct. 25.
Standish, Myles, Omaha Nebr. Rear gate structure. 1,884,334; Oct. 25.
Standish, Myles, Providence, R. I. Sign. 1,884,335; Oct. 25.
Standlee, Harvey R., Tulsa, Okla., assignor to The Guiberson Corporation, Dallas, Tex. Oil saver. 1,848,500; Mar. 8.
Standlee, Harvey R., Tulsa, Okla., assignor to The Guiberson Corporation, Dallas, Tex. Oil saver. 1,849,358; Mar. 15.
Standlee, Harvey R., Tulsa, Okla., assignor to The Guiberson Corporation, Dallas, Tex. Slip. 1,864,953; June 28.
Standlee, Harvey R., Tulsa, Okla., assignor to The Guiberson Corporation, Dallas, Tex. Well swab. 1,883,053; Oct. 18.
Standow, Mark A., Hartford, Conn. Electric shade and awning control. 1,853,704; Apr. 12.
Stanfield, Laurence M. (See Rockwell, W. A., and Stanfield.)
Stanfield Radio Company Limited. (See Feild, B. D., and Standbrook, assignors.)
Stanford, George G., Oakland, Calif. Nut lock. 1,887,568; Nov. 15.
Stanford, George L., Milford, Conn., assignor to The Universal Pipe and Radiator Company, New York, N. Y. Reenforcing members for concrete. 1,864,773; June 28.
Stange, Louis, Sommerda, assignor to Rheinische Metallwaaren-und Maschinenfabrik, Dusseldorf, Germany. Safety device for firearms. 1,842,847; Jan. 26.
Stange, Louis, Sommerda, assignor to Rheinische Metallwaaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,846,156; Feb. 23.
Stange, Louis, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Safety device for firearms having a longitudinally movable closure element. 1,859,720; May 24.
Stanger, Eddy A. K., Columbus, Ohio. Sanitary cigarette rolling device. 1,885,304; Nov. 1.

Stanitz, Jacques, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Support. 1,861,100; May 31.

Stanley, Arba P., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyer structure. 1,853,054; Oct. 18.

Stanley, Arba P., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining apparatus. 1,886,055; Oct. 18.

Stanley, Caroline Z., Brookline, Mass. Lap board. 1,851,600; Mar. 29.

Stanley Clothing Company. (See Heath, Max L., assignor.)

Stanley, Enos, Hackensack, Minn. Hydraulic pump. 1,890,421; Dec. 20.

Stanley, Fred, Webster County, Iowa. Hog controller. 1,889,115; Nov. 29.

Stanley Manufacturing Company, The. (See Renick, Edward, assignor.)

Stanley, Nathan M., Dayton, Ohio, assignor, by mesne assignments of one-half to The Univis Corporation Wilmington, Del., and one-half to United Kingdom Optical Company, Limited, London, England. Lens. 1,845,940; Feb. 16.

Stanley, Nathan M., Dayton, Ohio. Liquid dispenser. 1,891,361; Dec. 20.

Stanley, Paul H., Glenside, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor and making the same. 1,884,905; Oct. 25.

Stanley, Richard W., assignor to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Veneer clipping machine. 1,841,853; Jan. 19.

Stanley, Richard W., assignor to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Veneer stripping and clipping machine. 1,841,854; Jan. 19.

Stanley, Richard W., assignor to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Veneer clipping machine. 1,884,336; Oct. 25.

Stanley, Robert C., Dongan Hills, assignor to The International Nickel Company, Inc., New York, N. Y. Recovery of nickel. 1,854,234; Apr. 19.

Stanley, Stanley J. (See Broadhurst, Jean, assignor.)

Stanley Steam Motors Corporation. (See Warfield, Roy M., assignor.)

Stanley, Walter J., assignor to The Church-Budget Envelope Company, Salem, Ohio. Envelope perforator. 1,883,056; Oct. 18.

Stanley, William H., Charles City, Iowa. Animal ringer. 1,859,239; May 17.

Stanley, William T., London, England. Tie for personal wear. 1,880,054; Nov. 29.

Stanley Steam Motors, The. (See Brumell, Harry P., assignor.)

Stanley Works, The. (See Carter, Ray L., assignor.)

Stanley Works, The. (See Cook, Harris J., assignor.)

Stanley Works, The. (See Gould, David.)

Stanley Works, The. (See Ingham, Walter E., assignor.)

Stanley Works, The. (See Parker, Harry T., assignor.)

Stanley Works, The. (See Pelton, Ernest W., assignor.)

Stanley Works, The. (See Rayburn, Horace H., assignor.)

Stanley Works, The. (See Steindorf, U. F. L., Heller, and Ungar, assignors.)

Stanley Works, The. (See Stowell, Austin L., assignor.)

Stanley Works, The. (See Volz, Frederick A., assignor.)

Stanley Works, The. (See Warner, Emerson R., assignor.)

Stanley Works, The. (See Waters, Archibald D., assignor.)

Stanley, Zach A., Muncie, Ind. Drapery bracket device. 1,882,527; Oct. 11.

Stannard, Bruce M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Garage creeper. 1,853,007; Apr. 5.

Stannard, Bruce M., Binghampton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Method and machine for assembling upholstery. 1,864,477; June 21.

Stannard, Bruce M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Vehicle seat adjuster. 1,891,457; Dec. 20.

Stannus Propeller Corporation. (See Stannus, William, assignor.)

Stannus, William, assignor to Stannus Propeller Corporation, Detroit, Mich. Screw propeller. 1,884,906; Oct. 25.

Stansberry, Warren H., Grand Haven, assignor to Peerless Novelty Company, Grand Rapids, Mich. Antiglare shield. 1,849,338; Mar. 15.

Stansberry, Warren H., assignor to Peerless Novelty Co., Grand Haven, Mich. Stand. 1,886,752; Nov. 8.

Stansbury, Carroll. (See Harwood, P. B., and Stansbury.)

Stansbury, Carroll. (See Le Van, J. D., and Stansbury.)

Stansbury, Carroll, Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,839,934; Jan. 5.

Stansbury, Carroll, Wauwatosa, and G. C. Brown, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control for electron tubes. 1,841,765; Jan. 19.

Stansbury, Carroll, Wauwatosa, and G. C. Brown, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Phase failure and phase reversal protective system. 1,876,436; Sept. 6.

Stansbury, Carroll, Wauwatosa, Wis., and P. Crout, Schenectady, N. Y., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 1,880,367; Oct. 4.

Stansbury, Carroll, Wauwatosa, and G. C. Brown, Milwaukee, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Timing device. 1,892,017; Dec. 27.

Stansell, Marion L. (See Brown, T. B., and Stansell.)

Stansfield, Alfred, Westmount, Quebec, Canada. Furnace. 1,873,983; Aug. 16.

Stant, Kyle E., Connersville, Ind. Radiator cap. 1,882,091; Oct. 11.

Stant, Kyle E., Connersville, Ind. Filler cap. Des. 88,677; Dec. 13.

Stant Manufacturing Company. (See Johnson, Glen A., assignor.)

Stant Manufacturing Co. (See Smith, Lowell J., assignor.)

Stanton, C. E. (See McComas, Mark, assignor.)

Stanton, C. P., et al. (See Schmelz, John J., assignor.)

Stanton, Edward J., Brooklyn, N. Y. Single acting engine. 1,856,359; May 3.

Stanton, Ephraim H., San Pablo, Calif. Clothespin. 1,892,018; Dec. 27.

Stanton, Frederick L., assignor to National Paper Products Company, Carthage, N. Y. Paper folding machine. 1,886,312; Nov. 1.

Stanton, Joseph R. (See Markey, F. L., and Stanton.)

Stanton, Samuel A., Portland, Oreg. Landing and takeoff apparatus for airplanes. 1,842,432; Jan. 26.

Stanton, Thos. J., et al. (See Borowsky, Peter, assignee.)

Stanton, Warren F., Pawtucket, R. I. Internal combustion and other engines. 1,839,447; Jan. 5.

Stanton, Warren F., Pawtucket, R. I. Control device for internal combustion and other engines. 1,874,377; Aug. 30.

Stanton, Willard J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Wire puller. 1,850,186; Mar. 22.

Stanway, John G., Wheeling, W. Va., assignor to The Salem Pottery Co., doing business as The Salem China Company, Salem, Ohio. Plate. Des. 87,175; June 14.

Stanyo, Desider, assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigeration unit. 1,853,057; Oct. 18.

Stanziale, Antiony J., Shickshinny, Pa. Highway guard fence. 1,877,074; Sept. 13.

Sta-On Garment Hanger Company. (See Rehrig, W. J., assignor.)

Stapf, Charles H., Prescott, Wis. Fish lure. 1,851,529; Mar. 29.

Stapf, Lowell, Amarillo, Texas. Machine for rebabbitting bearings. 1,847,789; Mar. 1.

Staples, Earle L., San Francisco, Calif. Oil burner and draft control mechanism. 1,870,931; Aug. 9.

Staples, Eliot S., Glenview, Ill. Airplane gig. 1,870,757; Aug. 9.

Staples, Elliot M. (See Abraham, L. G., and Staples.)

Staples, Fred W., Waterville, Me. Machine for making pulp articles. 1,883,093; Oct. 18.

Staples, Horace A., Smithfield, Pa., assignor to National Electric Products Corporation, New York, N. Y. Tube drawing machine. 1,841,350; Jan. 12.

Stapling Machines Co. (See Boesé, Quincy W., assignor.)

Stapling Machines Co. (See Igleheart, G. P., and Rosemund, assignors.)

Stapling Machines Co. (See Reed, Kenneth W., assignor.)

Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)

Starburg, Charles J., and F. N. Carlson, Sacramento, Calif. Sawdust burner. 1,886,450; Nov. 8.

Star Drilling Machine Company, The. (See Heinish, George, assignor.)

Star Machine Manufacturers, Inc. (See Fish, Edward, assignor.)

Star, Richard, Brooklyn, N. Y. Tank gauge. 1,840,748; Jan. 12.

Star, Richard, Brooklyn, N. Y. Ship speed indicator and distance register. 1,879,576; Sept. 27.

Star Sprinkler Corporation. (See Griffith, William B., assignor.)

Starbuck, George F., Waltham, Mass. Railroad truck. 1,885,220; June 28.

Starck Brothers, Inc. (See Starck, Nicholas M., assignor.)

Starck, Nicholas M., assignor to Starck Brothers, Inc., Milwaukee, Wis. Cabinet. 1,850,572; Mar. 22.

Stark, Alexis, San Francisco, Calif. Dump-body. 1,891,458; Dec. 20.

Stark Bro's Nurseries & Orchards Company. (See Burbank, Luther, assignor.)

Stark Bros.'s Nurseries & Orchards Co. (See Marham, James E., assignor.)

Stark Bros.'s Nurseries & Orchards Company. (See Taft, Levi R., assignor.)

Stark Bro's Nurseries & Orchards Company. (See Sutherland, William G., assignor.)

Stark Bro's Nurseries & Orchards Company. (See Wiederkehr, Herman J. B., assignor.)

Stark, David D., Berkeley, assignor to Associated Oil Company, San Francisco, Calif. Treating hydrocarbon oils. 1,856,141; May 3.

Stark, Frederick W. (See Smed, P., and Stark.)

Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Spoon, knife, fork, or other article of flatware. Des. 86,753; Apr. 12.

Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Dish or other similar article of hollow-ware. Des. 87,491 ; Aug. 2.

Stark, Leslie H. (See McDonald, William R., assignor.)

Stark, Ottmar G., St. Louis, Mo. Valve lifting tool. 1,852,704 ; Apr. 5.

Stark, Ottmar G., St. Louis, Mo. Spring compressing tool. 1,852,863 ; Apr. 5.

Stark, Stephan. (See Pollitzer, F., and Stark.)

Stark, W. H. (See Stubblefield, Hugh, assignor.)

Starke, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Boiler section. 1,855,777 ; Apr. 26.

Starke, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Boiler. 1,855,778 ; Apr. 26.

Starke, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Flue construction. 1,875,946 ; Sept. 6.

Starke, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Control system for boilers and the like. 1,875,947 ; Sept. 6.

Starke, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Boiler construction. 1,875,948 ; Sept. 6.

Starke, William E., East Cleveland, assignor to The Bryant Heater & Mfg. Co., Cleveland, Ohio. Gas burner. 1,876,086 ; Sept. 6.

Starke, Richard W. (See Perkins, B. Y., Wellborn, and Starke.)

Starkey, Roy U., Columbus, Ohio. Clock face. Des. 87,365 ; July 12.

Starkey, Shirley L., Parkersburg, W. Va. Device for making drip coffee. 1,876,474 ; Sept. 6.

Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Antireverse safety clutch. 1,843,684 ; Feb. 16.

Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,846,696 ; Feb. 23.

Starkey, William C., and D. T. Brownlee, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Antireverse safety clutch. 1,843,145 ; Feb. 2.

Starkey, William C., and D. T. Brownlee, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Transmission. 1,843,523 ; Feb. 2.

Starkey, William C., and D. T. Brownlee, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Starter for engines. 1,846,766 ; Feb. 23.

Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Starter. 1,887,982 ; Nov. 15.

Starkin, Emil O., Metuchen, N. J. Combined valve and valve seat cutter. 1,856,002 ; Apr. 26.

Starks, Charles W., assignor to Automatic Food Machinery Corporation, Boise, Idaho. Conveyer. 1,865,596 ; July 5.

Starline, Inc. (See Ferris, Henry L., assignor.)

Starling, Josef, Angelholm, Sweden. Portable circulation and heating apparatus for tanneries. 1,841,068 ; Jan. 12.

Starnes, Henry, assignor to Duncan Coffee Company, Houston, Tex. Bag or similar container. Des. 86,285 ; Feb. 16.

Starostynski, Edgar, Philadelphia, Pa. Rat and mouse trap. 1,845,819 ; Feb. 16.

Starr, Albert C., Nephi, Utah, assignor to Bendix Brake Company, South Bend, Ind. Brake connection. 1,873,065 ; Aug. 23.

Starr, Everett L., assignor to Fulford Mfg. Co., Providence, R. I. Method and apparatus for making contact pins. 1,854,000 ; Apr. 12.

Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Valve. 1,849,403 ; Jan. 19.

Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,871,926 ; Aug. 16.

Starr, Gordon E., Los Angeles, Calif. Decorative sea shell. Des. 86,414 ; Mar. 1.

Starr, Jacob, Bronx, assignor of one-half to J. Margolin, New York, N. Y. Attachment for auto-raising and lowering awnings and the like. 1,849,285 ; Mar. 15.

Starr, Jacob, Bronx, assignor of one-half to J. Margolin, New York, N. Y. Attachment for raising and lowering awnings and the like. 1,885,778 ; Nov. 1.

Starr, James H., Oak Park, Ill., assignor to Electrical Engineers Equipment Company. Electric protective system. 1,849,117 ; Mar. 15.

Starr, Morton H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Increasing the capacity of dial scales. 1,882,456 ; Oct. 11.

Starr Piano Company, The. (See Carlin, Frank, assignor.)

Starr Piano Company, The. (See Topp, William H., assignor.)

Starr, Raymond H., North Kansas City, Mo. Refrigerator display counter. 1,840,475 ; Jan. 12.

Starr, Robert P. E., Concordia, Kans. Combination shoe horn and case. 1,867,774 ; July 19.

Starr, Rose W., Chicago, Ill. Fountain comb. 1,876,033 ; Sept. 6.

Starrett Building Co., et al. (See Clark, Malcom S., assignor.)

Starrett, L. S., Company, The. (See Simpson, Robert J. O., assignor.)

Starrett, L. S., Company, The. (See Sisson, James G., assignor.)

Starr, Percy F., Detroit Lakes, Minn. Heater for mixers for concrete and the like. 1,875,516 ; Sept 6.

Stasinski, Joseph, Philadelphia, Pa. Recording machine for motor vehicles. 1,847,959 ; Mar. 1.

Stassart, Joseph D., Berkeley, assignor to V. L. Brady and M. E. Verge, Oakland, Calif. Automatic latch. 1,861,887 ; June 7.

Staten Island Shipbuilding Co. (See Denslow, Albert C., assignor.)

State of Minnesota, The. (See Rose, Thomas E., assignor.)

State of Minnesota. (See Ross, T. E., and Ramstad, assignors.)

State Street Trust Company, executor. (See Stephenson, Milton E., assignor.)

State, Will C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for manufacturing tubular articles. 1,876,087 ; Sept. 6.

States Company, The. (See Blakeslee, Henry J., assignor.)

States Company, The. (See Rowe, Raymond N., assignor.)

Statham, Noel, Irvington-upon-Hudson, N. Y., assignor to Hookless Fastener Company, Meadville, Pa. Flexible fastening device. 1,876,695 ; Aug. 9.

Statham, Noel, Irvington, N. Y., and T. G. Leek, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Electrolytic cell. 1,842,296 ; Jan. 19.

Statham, Noel, Irvington-upon-Hudson, N. Y. Adjustable fastening means. 1,887,825 ; Nov. 15.

Statham, Noel, Irvington-upon-Hudson, N. Y. Adjustable fastening device. 1,887,826 ; Nov. 15.

Stationers Loose Leaf Company. (See Lotter, Adolph G., assignor.)

Stationers Loose Leaf Company. (See Miller, Henry C., assignor.)

Statler, Walter H. (See Faunce, B. F., and Statler.)

Staton, Edward J., Alta Loma, Calif. Avocado picker. 1,852,940 ; Apr. 5.

Staton, Harry C., Burlington, Iowa. Insulator structure. 1,886,984 ; Nov. 8.

Staton, James E. (See Price, John C., assignor.)

Staton, John C., assignor to The Coca-Cola Company, Atlanta, Ga. Refrigerator. 1,840,612 ; Jan. 12.

Staton, John C., assignor to The Coca-Cola Company, Atlanta, Ga. Cooling coil. 1,840,613 ; Jan. 12.

Stator Refrigeration, Inc. (See Weaver, Eastman A., assignor.)

Stator Refrigeration, Inc. (See Wescott Ernest W., assignor.)

Stats, Robert J., assignor to Bendix Brake Company, South Bend, Ind. Brake operating device. 1,848,280 ; Mar. 8.

Staubo, Anton, jr., Chicago, Ill. Diffused light lamp. 1,891,846 ; Dec. 20.

Stäubli, Gebr., & Co. (See Stäubli, Hugo, assignor.)

Stäubli, Hugo, Zurich, assignor to Gebr. Stäubli & Co., Horgen, Switzerland. Shedding mechanism for looms. 1,886,133 ; Nov. 1.

Stäubli, Hugo, Zurich, assignor to Messrs. Gebr. Stäubli & Co., Horgen, Switzerland. Shuttle. 1,892,323 ; Dec. 27.

Staud, Cyril J. (See Gray, H. L. B., and Staud.)

Staud, Cyril J. (See Gray, H. L. B., Staud, and Webber.)

Staud, Cyril J. (See Murray, T. S., jr., and Staud.)

Staud, Cyril J. (See Webber, C. S., and Staud.)

Staud, Cyril J. (See Webber, C. S., Staud, and Gray.)

Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing diethyl phthalate and ortho-cresyl para-toluene sulphonate. 1,884,337 ; Oct. 25.

Staud, Cyril J., and J. T. Puess, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate. 1,844,718 ; Feb. 9.

Staud, Cyril J., and J. T. Puess, assignors to Eastman Kodak Company, Rochester, N. Y. Lubricant containing cellulose acetate. 1,866,732 ; July 12.

Staud, Cyril J., and H. LeB. Gray, assignors to Eastman Kodak Company, Rochester, N. Y. Making chloroform insoluble cellulose acetate and the product thereof. 1,870,594 ; Aug. 9.

Staud, Cyril J., and C. S. Webber, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate solvent and composition. 1,880,513 ; Oct. 4.

Staud, Cyril J., and C. S. Webber, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose derivative products. 1,880,514 ; Oct. 4.

Staud, Cyril J., and E. K. McLean, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of lower mixed organic esters of cellulose from partially hydrolyzed cellulose acetate. 1,880,515 ; Oct. 4.

Staud, Cyril J., Rochester, N. Y., and C. E. Waring, Dayton, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Production of cellulose nitro-acylate. 1,884,338 ; Oct. 25.

Staude, Erich, Brooklyn, N. Y. Imitation fireplace. 1,840,372 ; Jan. 12.

Staudt, Richard, Saginaw, Mich. Hospital bed. 1,874,826 ; Aug. 30.

Stauf, Friedrich W. (See Hagenest, H., and Stauf.)

Stauf, Friedrich W. (See Henzlein, F. A., and Stauf.)

Stauf, Friedrich W., Cologne-Deutz-on-the-Rhine, and H. Hagenest, Wiesdorf-Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Precipitating iron from the solutions freed from copper obtained by burning pyrites with chlorine. 1,879,577; Sept. 27.

Stauf, Friedrich W., Cologne-Deutz, and H. Hagenest, Wiesdorf-on-the-Rhine, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Organic cupric cyanogen compounds. 1,880,516; Oct. 4.

Stauf, Friedrich Wilhelm. (See Henglein, Friedrich A., and Stauf, al., assignors.)

Stauffer Chemical Company. (See Moscrop, John R., assignor.)

Stauffer, Earl C., Lancaster, Pa. Domestic boiler. 1,876,475; Sept 6.

Stauffer, Ernest L. (See Murphy, L. J., and Stauffer.)

Staunton, Virgil, Haven, Conn., assignor to Vacuum Seal Company, Inc., New York, N. Y. Jar sealing apparatus. 1,844,826; Feb. 9.

Staug, John W., Terre Haute, Ind. Dredge pump. 1,878,429; Sept. 20.

Staver, Harry B. (See Read, Rupert D., assignor.)

Staver, Harry B. (See White, John P., assignor.)

Stay-Put Shade Roller Corporation, The. (See Schmelz, Charles F., assignor.)

Stayrite Company, The. (See Muller, Frans G. D., assignor.)

Stayton, John O., Chattanooga, Tenn. Stoker control. 1,891,319; Dec. 20.

Stayton, William B., sr, Smyrna, Del. Display device. 1,859,763; Dec. 6.

Stead, Edward. (See Morton, A. W., and Stead.)

Stead, John C. (See Melrose, W. K., and Stead.)

Stead & Miller Anchor Company, Limited. (See McConkey, T. C., and Picard, assignors.)

Stead, William H., Binghamton, N. Y. Headlight. 1,852,222; Apr. 5.

Steadman, Royal C., Washington, D. C., dedicated, by assignments, to the Government and the People of the United States of America. Reinforcing models of fruit or other objects made of wax or similar fusible material. 1,860,601; May 31.

Steam Power, Inc. (See Curran, Frank J., assignor.)

Steam Power, Inc. (See Curran, F. J., and McClellan, assignors.)

Stearns, Frederick, & Company. (See Omohundro, Allen L., assignor.)

Stearns, Jason C., Worcester, Mass. Electric switch. 1,859,547; May 24.

Stearns, Marcus C., Chicago, Ill. Storage apparatus. 1,890,796; Dec. 13.

Stearns, Raymond C. (See Meserve, Raymond M., assignor.)

Stearns-Stafford Roller Bearing Company. (See Packer, Oswald F., assignor.)

Steatit-Magnesia Aktiengesellschaft. (See Bimber, Heinrich, assignor.)

Stebbins, Albert H., Los Angeles, Calif. Separator for treating materials. Reissue. 18,345,358; Feb. 16.

Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,845,566; Feb. 16.

Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,845,567; Feb. 16.

Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,861,247; May 31.

Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,861,248; May 31.

Stebbins Engineering and Manufacturing Company. (See Richmond, F., assignor.)

Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Car loading device. 1,851,461; Mar. 29.

Stebler, Fred, assignor to Stebler Parker Co., Riverside, Calif. Conveyer control apparatus. 1,867,717; July 19.

Stebler, Fred, assignor to Stebler Parker Co., Riverside, Calif. Intersection controlling apparatus for conveyers. 1,876,151; Sept 6.

Stebler Parker Co. (See Linfesty, Charles W., assignor.)

Stebler Parker Co. (See Stebler, Fred, assignor.)

Stebler-Parker Co. (See Wright, John S., assignor.)

Steckbart, Bruno, assignor to The Reil & Howell Company, Chicago, Ill. Motion picture projecting machine and continuous film feed reel therefor. 1,887,664; Nov. 15.

Stecher, Henry D., Lakewood, assignor to A. J. Wetherhead, Jr., Cleveland, Ohio. Electrical starting system for internal combustion engines. 1,845,767; Feb. 16.

Steck, Leo V. (See Pike, R. D., Cummings, and Steck.)

Stecker, Abram C., assignor to The Cold Metal Process Company, Youngstown, Ohio. Rolling metal strip. 1,857,670; May 10.

Stecker, Louis C., Philadelphia, Pa. Grid pasting machine. 1,874,275; Aug. 30.

Steckhan, Richard. (See Bergen, G., Engelhardt, and Steckhan.)

Steckler, Nat P., New York, N. Y. Combined eyeglass cleaner and polisher and container therefor. Des. 85,961; Jan. 5.

Steckmann, August K. L., Peoria, Ill. Can opener. 1,859,478; May 24.

Stedfast Rubber Stamp Company. (See Clifford, James J., assignor.)

Stedman, Alonzo W., Haddonfield, assignor to Standard Tank & Seat Co., Camden, N. J. Package. 1,842,299; Jan. 19.

Stedman, Charles C., Cleveland Heights, assignor to Centaur Tractor Corporation, Greenwich, Ohio. Tractor steering attachment. 1,864,224; June 21.

Stedwell, George W., Brooklyn, N. Y. Liquid dispensing apparatus. Re18,632; Oct. 18.

Stee, R. M. (See Dove, Leonard P., assignor.)

Stedwell, George W., Brooklyn, N. Y., assignor to Sherwell Controls, Inc., New York, N. Y. Liquid dispensing. Re18,296; Mar. 22.

Stedwell, George W., Brooklyn, assignor to Sherwell Controls, Inc., New York, N. Y. Liquid dispensing. 1,876,784; Sept. 13.

Stedwell, George W., Brooklyn, assignor to Sherwell Controls, Inc., New York, N. Y. Liquid delivery apparatus. 1,880,317; Oct. 4.

Steedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Lubricating system for piston machines. 1,847,419; Mar. 1.

Steedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Lubricating system for piston machines. 1,847,450; Mar. 1.

Steedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Supply conduit for piston machines. 1,864,935; June 21.

Steel Equipment Company, The. (See Bailey, Frederick W., assignor.)

Steel, Gladstone M., Chillicothe, Ohio. Feeder for farm stock. 1,874,137; Aug. 30.

Steel, Joseph I., Portland, Oreg., assignor to Moore Dry Kiln Company of Oregon. Kiln for drying lumber and other substances. 1,890,796; Dec. 13.

Steel, Ray N. Cedar Rapids, Iowa. Wrist pin. 1,887,964; Nov. 15.

Steel, Samuel T. (See Durnell, H. G., and Steel.)

Steel Sanitary Company, The. (See Cromwell, John C., assignor.)

Steel Scaffolding Company, Limited. (See Marshall, Arnold C., assignor.)

Steel Scaffolding Co., The. (See Goodwin, Percy E., assignor.)

Steel Scaffolding Company Limited, The. (See Marshall, Arnold C., assignor.)

Steel and Tubes, Inc. (See Braun, Carl A., assignor.)

Steel and Tubes, Inc. (See Hallden, Karl W., assignor.)

Steel and Tubes, Inc. (See Harvey, Harry E., assignor.)

Steel and Tubes, Inc. (See Spate, E. T., Clapper, and Marlatt, assignors.)

Steel and Tubes, Inc. (See Sussman, Maxwell H., assignor.)

Steel-Bound Container Corporation. (See Warren, Harold M., assignor.)

Steel City Testing Laboratory. (See Siebel, Erich, assignor.)

Steele, Brenton L., Pullman, Wash. Wave apparatus. 1,883,059; Oct. 18.

Steele, Charles R., et al. (See Brent, George R., assignor.)

Steele, George, S. D. Cowlishaw, and J. B. Capey, Hanley, Stoke-on-Trent, England. Flexible shaft coupling. 1,887,070; Nov. 8.

Steele, Harry A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring pad construction. 1,849,883; Mar. 15.

Steele, Herbert H., Derbrook, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting, computing, and check-protecting machine. 1,858,027; May 17.

Steele, James R. (See Moore, G. L., and Steele.)

Steele, James W., Dallas, Tex. Collar stiffener and reenforcing means. 1,851,938; Sept. 27.

Steele, James W., Elm Grove, W. Va., and A. Deitch, assignors of one-third to H. C. Thomas, Martins Ferry, Ohio. Metal sheet stacking machine. 1,892,590; Dec. 27.

Steele, James W., and A. Deitch, assignors of one-third to H. C. Thomas, Martins Ferry, Ohio. Sheet jogging and registering machine. 1,892,591; Dec. 27.

Steele, John G., Latrobe, Pa. Vehicle brake. 1,858,073; May 17.

Steele, John G., Latrobe, Pa. Wire twisting machine. 1,866,952; July 12.

Steele, John H., Wyandotte, Mich., assignor to Michigan Steel Corporation. Treating steel sheets. 1,866,376; July 5.

Steele, Lawrence C., Youngstown, Ohio. Manufacturing sheet metal. Re18,551; Aug. 2.

Steele, Louis J., and H. Martin, Portsmouth, England. Projection of light. 1,864,696; June 28.

Steele, Maurice G. (See Hart, K., and Steele.)

Steele, Maurice G., Rome, N. Y., assignor to The Hart & Hutchinson Company, New Britain, Conn. Humidifier. 1,857,770; May 10.

Steele, Ray N., Cedar Rapids, Iowa. Engine piston. 1,888,203; Nov. 15.

Steele, William A. (See Cundiff, C. W., and Steele.)

Steele, William J. (See Powers, Joseph J., assignor.)

Steeley, Dale G., Arlington, and F. W. Blake, Medford, Mass., assignors, by mesne assignments, to said Steeley. Apparatus for the continuous drying and roasting of cocoa beans and the like. 1,854,429; Apr. 19.

Steelsmith, Frank R., Des Moines, Iowa. Washing machine gear. 1,843,347 ; Feb. 2.
Steelstamp Corporation (See Janisch, Maximillian P., assignor).
Steel Wool Pad Corporation. (See Rogers, James B., assignor.)
Steely, Dale G., Arlington, assignor to W. F. Schrafft & Sons Corporation, North Boston, Mass. Continuous chocolate making process. 1,862,166 ; June 7.
Steen, Algernon H., assignor to Chicago Faucet Company, Chicago, Ill. Faucet. 1,852,682 ; Apr. 5.
Steen, Harry S., assignor to The Chicago Faucet Company, Chicago, Ill. Faucet. 1,856,664 ; May 3.
Steen, Karl E. (See Sundstrom, E. F., and Steen.)
Steen, Melvin O., et al. (See Edberg, Silas M., assignor.)
Steen, Viola. (See Bolton, Becher L., assignor.)
Steenbock, Harry, Madison, Wis., assignor to Wisconsin Alumni Research Foundation. Antirachitic product and process. 1,851,133 ; Aug. 9.
Steenbock, Harry, Madison, Wis., assignor to Wisconsin Alumni Research Foundation. Antirachitic product essence and process. 1,871,126 ; Aug. 9.
Steeneck, Robert. (See Loug, J. W., and Steeneck.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 1,843,005 ; Jan. 26.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating machines. 1,852,826 ; Apr. 5.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Compressor for refrigerating machines. 1,854,674 ; June 28.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating machines. 1,873,670 ; Aug. 23.
Steentwyk, William F., assignor by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Resistor. 1,878,014 ; Sept. 20.
Steere, Charles H., assignor to Appomattox Iron Works and Supply Co. Inc., Petersburg, Va. Peanut harvester. 1,848,394 ; Mar. 8.
Steere, Frank W., Scarsdale, assignor to The Barrett Company, New York, N. Y. Producing coke. 1,884,339 ; Oct. 25.
Steere, Samuel A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord fabric. 1,875,517 ; Sept 6.
Stees, Isaac, Harrisburg, Pa. Molding apparatus. 1,852,371 ; Oct. 11.
Steese, Milo H., New York, N. Y. Animal shelter. 1,887,108 ; Nov. 8.
Stefanson, John, Calistoga, Calif. Steering meter. 1,855,012 ; Apr. 19.
Steffan, Jacob F., and K. G. Rohrer, San Francisco, Calif. Blowtorch. Des. 88,586 ; Dec. 6.
Steffen, Carl P., Vienna, Austria. Obtaining tricalcium saccharate rich in sugar and poor in lime and of a very high degree of purity. 1,850,036 ; Mar. 15.
Steffens, Charles G., South Jamaica, assignor to Dugan Brothers Inc., Brooklyn, N. Y. Supplying paper cups to baking pans and the like. 1,846,227 ; Feb. 23.
Steffen, Le Roy J., Evanston, Ill., assignor to Hough Shade Corporation. Venetian blind. 1,846,228 ; Feb. 23.
Steffen, Le Roy J., Evanston, Ill., assignor to Hough Shade Corporation. Venetian blind. 1,889,226 ; Nov. 29.
Steffen, Raymond A., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Calendering coated paper. 1,842,848 ; Jan. 26.
Steffens, Edna F., Cleveland Heights, Ohio. Humidifier. Des. 88,587 ; Dec. 6.
Steffens, Edna F., Cleveland Heights, Ohio. Humidifier. 88,588 ; Dec. 6.
Steffens, Edna F., Cleveland, Ohio. Humidifier. Des. 88,589 ; Dec. 6.
Steffensen, Marius M., Seattle, Wash. Fish lure. 1,878,511 ; Sept. 20.
Stege, John K. (See Atkinson, J. R., Goodell, and Stege.)
Stegeman, Henry J. (See Locke, S. D., and Stegeman.)
Stegeman, Henry J., Fairfield, assignor to Locke Steel Chain Company, Bridgeport, Conn. Roll. 1,884,340 ; Oct. 25.
Stegemann, Walter. (See Hofmann, F., Otto, and Stegemann.)
Stegmann, Karl, assignor to Johne-Werk Grafische Maschinen-Aktiengesellschaft, Bautzen, Germany. Cutting machine for paper and the like. 1,852,726 ; Apr. 5.
Stegmann, Karl, assignor to Johne-Werk Grafische Maschinen-Aktiengesellschaft, Bautzen, Germany. Pile compressing means for paper cutting machines and the like. 1,880,159 ; Sept. 27.
Stegmayer, Charles. (See Ryan, J. F., and Stegmayer.)
Stehli, Henry J., Cedar Grove, N. J. Sintering machine. 1,862,832 ; June 14.
Stehli, Henry J., Cedar Grove, N. J. Pallet for sintering machines. 1,885,152 ; Nov. 1.
Stehli, Henry J., Cedar Grove, N. J. Sintering machine pallet. 1,888,206 ; Nov. 22.
Stéhlik, Franz. (See Tausz, A., and Stéhlik.)
Stehlik, Rudolph F., assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,870,471 ; Aug. 9.
Steidinger, Christian. (See Kurz, Otto, assignor.)
Steidl, Joseph, Bronx, N. Y. Combination table. 1,888,478 ; Nov. 22.
Steiff, Hugo, Wurttenberg, Germany. Hinge joint. 1,841,855 ; Jan. 19.
Steiger, Harry, Baltimore, Md. Playing unit for marble games. Des. 87,733 ; Sept. 6.
Steiger, Norbert. (See Herz, R., and Steiger.)
Steiger, Norbert. (See Herz, R., Steiger, and Hechtenberg.)
Steiger, Norbert. (See Herz, R., Steiger, and Schulze.)
Steiger, Norbert, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New ayestuff of the chlonophthene-indigo series. 1,857,264 ; May 10.
Steigert, Robert A., Buffalo, N. Y. Aircraft of the beavier than air type. 1,873,276 ; Aug. 30.
Steigleder, Frank N., Detroit, Mich. Liquid ink eraser for pocket fountain pens and desk set fountain pens. 1,875,154 ; Aug. 30.
Stein, Edmund, Berlin, Germany, assignor to American Gasaccumulator Company, Elizabeth, N. J. Porous mass and method of making same. 1,844,922 ; Jan. 19.
Steimel, Peter, Hennef-Sieg, Germany. Automatic sacking balance with a conveying and a packing mechanism. 1,861,147 ; May 31.
Steimmig, Gerhard, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbeninduatrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose ester lacquers. 1,864,099 ; June 21.
Steimmig, Gerhard, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbeninduatrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of perfumes. 1,882,200 ; Oct. 11.
Steimmig, Gerhard, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbeninduatrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Lacquer for application by brushing. 1,883,060 ; Oct. 18.
Stein, Berthold. (See Schmidt, R. E., Stein, and Bamberger.)
Stein, Carl J., New York, N. Y. Dental appliance. 1,861,645 ; June 7.
Stein, Charles M., assignor to Societe Anonyme des Apparells de Manutention et Fours Stein, Paris, France. Pulverized fuel distributing system. 1,889,299 ; Nov. 29.
Stein, Edward P., assignor to The Bastian-Blessing Company, Chicago, Ill. 1,883,063 ; Oct. 18.
Stein, Františck, Prague, Czechoslovakia. Water separator. 1,857,887 ; May 10.
Stein, Frederick W., Atchison, Kans. Spare-tire cover and radio aerial. 1,888,777 ; Nov. 22.
Stein, Fritz, Berlin, assignor of one-half to H. Ebeling, Wilhelmsehofstrasse, Berlin Oberschoneweide, Germany. Circular shears. 1,888,870 ; Nov. 22.
Stein, George E., Marietta, Ohio. Potato ricer. 1,885,873 ; Nov. 1.
Stein, Gustav, Stuichendorf, near Neunkirchen, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Apparatus for sintering roasted materials. 1,877,015 ; Sept. 13.
Stein, Harry, Philadelphia, Pa. Glare preventer. 1,848,090 ; Mar. 1.
Stein, Harry, Philadelphia, Pa. Extensible sleeve. 1,850,590 ; Apr. 26.
Stein, Jacob, Brooklyn, N. Y. Decorative rubberized cloth and producing same. 1,856,595 ; May 3.
Stein, Jacob, Brooklyn, N. Y. Decorated molded rubber and producing same. 1,892,085 ; Dec. 27.
Stein, Jacob, assignor to Publicker, Inc., Philadelphia, Pa. Distilling aliphatic esters. 1,859,897 ; May 24.
Stein, Johann-Georg, Berlin-Charlottenburg, Germany. Raising sunken ships. 1,848,581 ; Mar. 8.
Stein, John A., New York, N. Y., and W. S. MacDonald, Montclair, N. J., assignors to American Machine & Foundry Company. Epicyclic cigarette cut-off. 1,851,334 ; Mar. 29.
Stein, Joseph A., Pittsburgh, and L. L. Vayda, Aspinwall, Pa., assignors to Bacharach Industrial Instrument Company. 1,890,592 ; Dec. 13.
Stein, Joseph A., Pittsburgh, and L. L. Vayda, Aspinwall, Pa., assignors to Bacharach Industrial Instrument Company. Sampling tube. 1,890,627 ; Dec. 13.
Stein, Joseph N., Dorchester, Mass. Self-adjusting trimming attachment for sewing machines. 1,891,029 ; Dec. 13.
Stein, Leonhard. (See Bockmühl, M., Ehrhart and Stein.)
Stein, Louis, Chicago, Ill. Loose leaf binder. 1,845,730 ; Feb. 16.
Stein, Louis H., Chicago, Ill. Gauge. 1,845,359 ; Feb. 16.
Stein, Richard, Cassel, J. Euler, Cassel-Wilhelmshohe, and W. Puff, Cassel, Germany, assignors to The Superheater Company, New York, N. Y. Superheater. 1,866,325 ; July 5.
Stein, Richard, Kassel and H. Frank, Kassel-Wilhelmshohe, Germany, assignors to The Superheater Company. New York, N. Y. Superheater header. 1,869,980 ; Aug. 2.
Stein, Rose, Los Angeles, Calif. Attachment for ironing boards. 1,881,144 ; Oct. 4.
Stein, S. & Co. (See Block, H. W., and Christenson, assignors.)
Stein, Samuel H., Brooklyn, assignor, by mesne assignments, to Ira Guilden, New York, N. Y. Crystal cutting device. 1,876,785 ; Sept. 13.
Stein Tobler Co. Inc. (See Tobler, Haus, assignor.)
Stein, Wilhelm, Karlsruhe, assignor to Ernst Heinkel, Warnemunde, Germany. Airplane launching tract. 1,887,528 ; Nov. 15.

Stein, Yetta, et al. (See White, Clarence W., assignor.)
Steinbart, Alfred, Pittsburgh, Pa. Furnace pressure regulator. 1,869,442, Aug. 2.
Steinberger, John C., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Determination of telephone quality. 1,844,110; Feb. 2.
Steinberg, John C., Sparta, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,854,812; Apr. 19.
Steinberg, et al. (See Rouse, Clarence M., assignor.)
Steinberger Bros. Glove Corp. (See Steinberger, Irwin, assignor.)
Steinberger, Irwin, assignor to Steinberger Bros. Glove Corp., New York, N. Y. Glove. 1,883,062; Oct. 18.
Steinberger, Irwin, assignor to Steinberger Bros. Glove Corp., New York, N. Y. Mitten. 1,886,733; Nov. 8.
Steindorff, Ulrich C. L., New York, and A. A. Ungar, Pelham Manor, N. Y. Power driven shears. 1,848,145; Mar. 8.
Steindorff, Ulrich F. L., H. J. Heller, New York, and G. A. Ungar, Pelham Manor, N. Y.; said Ungar assignor to Wire Stanley Works, New Britain, Conn. Power driven shears for cutting sheet material such as metal, leather, cardboard, or the like. 1,857,167; May 10.
Steinen, Gustav W. D., Cleveland Heights, assignor to The Glen-Gery Company, Euclid, Ohio. Apparatus for making glass-coated pipe coils. 1,882,347; Oct. 11.
Steinen, Gustav W. D., Cleveland Heights, assignor to The Glen-Gery Company, Euclid, Ohio. Machine for making glass-coated pipe coils. 1,882,348; Oct. 11.
Steiner, Amos P., and E. E. Balsiger, assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic back rest for grinding machines. 1,867,112; July 12.
Steiner, Bernhard, New York, N. Y. Combined fire screen and furniture holder. 1,881,333; Oct. 4.
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Feed control device for tool chucks. 1,853,705; Apr. 12.
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Continuous sheet appliance for examination and operating tables. 1,877,610; Sept. 13.
Steiner, George A. (See Ellerbeck, William L., and Steiner.)
Steiner, Gottlieb, Obach Solothurn, assignor to Scintilla Aktiengeselischaft, Solothurn, Switzerland. Ignition system for internal combustion engines. 1,853,750; Apr. 12.
Steiner, Gottlieb, assignor to Scintilla, Aktiengeselischaft, Solothurn, Switzerland. Lubricating device. 1,880,334; Oct. 4.
Steiner, Hans. (See Fischl, S., and Steiner.)
Steiner, Hans, Winterthur, Switzerland. Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Cylinder head for internal combustion engines. 1,840,922; Jan. 12.
Steiner, Hans, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Fuel injection device for internal combustion engines. 1,890,702; Dec. 13.
Steiner, Henry A., Chilton, Wis. Detachable spring-tooth harrow point. 1,853,706; Apr. 12.
Steiner, Hubbard W. (See Keys, W. C., Steiner, and Eldridge.)
Steiner, Hubbard W., J. G. Eldridge, and W. C. Keys, Detroit, Mich., assignors to The Mechanical Rubber Company, Cleveland, Ohio. Cushioning connection. 1,857,168; May 10.
Steiner, Louis, Brooklyn, N. Y. Vending machine. 1,848,755; Mar. 8.
Steiner, Ludwig. (See Guimann, V., and Steiner.)
Steiner, Otto. (See Glaser, Gustav, assignor.)
Steiner, Otto, Berlin-Spandau, assignor to Siemens & Halske, Aktiengeselischaft, Siemensstadt, near Berlin, Germany. Film guide for photographic cameras. 1,894,340; June 21.
Steiner, Otto, Berlin-Spandau, assignor to Siemens & Talske Aktiengeselischaft, Siemensstadt near Berlin, Germany. Motion film camera with spring motor drive. 1,892,412; Dec. 27.
Steiner Sales Company, The. (See Belenson, Ben, assignor.)
Steiner Sales Company. (See Post, Frank B., assignor.)
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Steiner Sales Company. (See Thompson, Charles W., assignor.)
Steinfield, Harry, assignor of three-tenths to E. Ervin, and one-fifth to C. Tamagno, New York, N. Y. Compact lighter. 1,847,790; Mar. 1.
Steinfield, Harry, assignor of three-tenths to E. Ervin, and one-fifth to C. Tamagno, New York, N. Y. Automatic compact lighter. 1,847,791; Mar. 1.
Steinfurth Louis. (See Andrews, F. O., and Steinfurth.)
Steingruber, George. (See Richardson, William, assignor.)
Steinhardt, Irving, New York, N. Y. Carburetor. 1,888,248; Nov. 22.
Steinhart, Hermann, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric switch. 1,884,341; Oct. 25.
Steinhart, Hermann, Stuttgart, and H. Arnold, Waiblingen, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Switch control means for vehicle lamps. 1,873,909; Aug. 23.
Steinhorst, Wilhelm. (See Auerbach, Rudolf, assignor.)
Steinkamp, Albert H., Cincinnati, Ohio. Bathing device. 1,844,988; Feb. 16.
Steinkamp, Albert E., Cincinnati, Ohio. Hair cutting gauge. 1,858,292; May 17.
Steinle, Adolf, Jena, Germany, assignor to the Firm N. V. Nederlandsche Instrumenten Compagnie, Haag, Netherlands. Firing director. 1,854,771; Apr. 19.
Steinle, Adolf, Jena, Germany, assignor to N. V. Nederlandsche Instrumenten Compagnie, The Hague, Netherlands. Fire control apparatus. 1,895,722; May 24.
Steinmann, Albert, La Chaux-de-Fonds, Switzerland. Zero resetting mechanism for adding machines. 1,875,518; Sept. 6.
Steinmann, Albert, La Chaux-de-Fonds, Switzerland. Adding machine. 1,875,519; Sept. 6.
Steinmann, Walter, Bloomfield, N. J. Gluing machine. 1,858,207; Apr. 26.
Steinmann, Walter, assignor to the Firm Kern & Cie. A. G., Aarau, Switzerland. Apparatus for the treatment of films. 1,854,604; Apr. 19.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse. 1,849,440; Mar. 15.
Steinmayer, Alwin G., Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company. Pot head. 1,851,746; Mar. 29.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Cable clamp. 1,852,031; Apr. 5.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse. 1,853,093; Apr. 12.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Tool. 1,857,483; May 10.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Housing for electrical devices. 1,862,720; June 14.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Contact clip. 1,864,283; June 21.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Pot head. 1,873,497; Aug. 23.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse. 1,873,498; Aug. 23.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lightning arrester. 1,873,499; Aug. 23.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,873,500; Aug. 23.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Lamp socket. 1,873,501; Aug. 23.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Pothead. 1,878,016; Sept. 20.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Contact clip. 1,878,017; Sept. 20.
Steinmetz, Georg. (See Trimbach, F. E. L., Robin, and Steinmetz, assignors.)
Steinmetz, Samuel Kispest, Hungary. Doormat. 1,885,628; Nov. 1.
Steinmetz, Julius, Winthrop, Mass. Sign. 1,875,520; Sept. 6.
Steinmuller, L. & C. (See Steinmuller, Lebrecht, assignor.)
Steinmuller Lebrecht, assignor to the Firm L. & C. Steinmuller, Gummersbach, Rheinland, Germany. Furnace. 1,850,064; Nov. 1.
Steinmüller, Lebrecht, Gummersbach, Germany. Water tube boiler. 1,878,908; Sept. 20.
Steinmüller, Max, Chemnitz, Germany. Circular knitting machine. 1,873,502; Aug. 23.
Steinour, Harold H., Riverside, assignor to Riverside Cement Company, Los Angeles, Calif. Forming cementitious bodies at elevated temperatures. 1,839,612; Jan. 5.
Steinour, Harold H., Riverside, assignor to Riverside Cement Company, Los Angeles, Calif. Portland cement composition and method and material for making same. 1,852,595; Apr. 5.
Steinour, Harold H., Riverside, assignor to Riverside Cement Company, Los Angeles, Calif. Making Portland cement. 1,856,442; May 3.
Steinruck, Hermann, Berlin, Germany. Screw tap. 1,874,378; Aug. 30.
Steinthal, Augustus, New York, N. Y. Book. 1,868,029; July 19.
Steinway & Sons. (See Weber, Stanley, assignor.)
Stelfox, James C., Westminster, England, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Control apparatus for gas making machines. 1,841,340; Jan. 12.
Steller, Arthur, Irvington, assignor, by mesne assignments, to C. W. Allsopp, South Orange, N. J. Vanity case. 1,851,402; Mar. 29.
Stelling, Hermann C. (See Hunt, W. F. and Stelling.)

Stelling, William A., Providence, R. I., assignor to The Textile-Finishing Machinery Company. Tenter clip. 1,856,705; May 3.

Stellmacher, Max, Berlin, Germany. Swimming belt. 1,870,535; Aug. 9.

Stelz, Frus K., assignor of one-half to A. Rigenbach, Jersey City, N. J. Apparatus for separating solids from gases. 1,841,556; Jan. 19.

Stelzer, Ernst, assignor to the Firm Th. Goldschmidt A.-G., Essen-on-the-Ruhr, Germany. Production of colloidal white lead-basic lead carbonate from lead oxide. 1,856,915; May 3.

Stelzer, Frank E., Lynbrook, assignor to M. T. Davidson Company, Brooklyn, N. Y. Centrifugal pump. 1,849,553; Mar. 15.

Stelzer, Franz H. B., assignor to the Firm "Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co., Dresden, Germany. Apparatus for shaping cigar bunches. 1,839,422; Jan. 5.

Stelzer, Franz H. B., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Tobacco spreader. 1,869,395; Aug. 2.

Stelzer, Franz H. B., assignor to J. C. Muller, Dresden, Germany. Producing cigar fillers by arranging tobacco from which they are to be made between profiled dies. 1,869,396; Aug. 2.

Stelzner, Hermann. (See Dräger, O. H., and Stelzner.)

Stelzner, Hermann, assignor to O. H. Drager, Lubeck, Germany. Regenerating the breathing air in closed rooms. 1,860,298; May 24.

Stelzner, Hermann, assignor to Firm Drägerwerk, Heinr. & Bernh. Dräger, Lubeck, Germany. Nonreturn valve for breathing appliances. 1,867,478; July 12.

Stelzner, Hermann, assignor to Otto H. Drager, Lubeck, Germany. Producing a mass of carbon or other suitable artificial substances. 1,884,342; Oct. 25.

Stem, Russell W., Bethlehem, Pa. Heating furnace control. 1,871,093; Aug. 9.

Stem, Russell W., Bethlehem, Pa., assignor to Penn Electric Switch Co., Des Moines, Iowa. Heating furnace control. 1,883,344; Oct. 11.

Stemen, Clarence W., Lima, Ohio. Automatic signal. 1,853,472; Apr. 12.

Stempel, Herman F. (See Rizer, G. E., and Stempel.)

Stempel, Herman F., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen pressure bar. 1,852,094; Apr. 5.

Stenberg, Nellie R., and E. Anderson, Grove City, Minn. Trailer hitch and stand. 1,842,697; Jan. 26.

Stenger, Edwin P., Cincinnati, Ohio, assignor to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Making bit holder. 1,841,069; Jan. 12.

Stenger, Konrad. (See Schirmacher, K., and Stenger.)

Stenger, Victor R., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock nut. 1,878,199; Sept. 20.

Stenger, Willebald C., Chicago, Ill. Sound control chamber. 1,843,524; Feb. 2.

Stenger, Willebald C., Chicago, Ill. Sound delivery construction. 1,866,913; July 12.

Stenglemeir, George, Woodward, Okla. Lubricated structure. 1,859,060; Dec. 15.

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass feeder. 1,847,276; Mar. 1.

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Pneumatic glass feeder. 1,884,393; Oct. 25.

Stenman, Per L. (See Swendson, D., and Stenman.)

Stenzel, Arthur E., Detroit, Mich., assignor, by mesne assignments, to W. F. Pabst, Milwaukee, Wis. Electric motor and organ mechanism. 1,883,774; July 26.

Stenzel, Heinrich, Berlin-Steglitz, Germany, assignor to General Electric Company. Acoustic diaphragm. 1,847,907; Mar. 1.

Stephani, Sophie, Zurich, Switzerland. Massage apparatus. 1,885,562; Nov. 1.

Stephens, Alice B., executrix. (See Stephens, F. G. C., Anderson, and Cash.)

Stephens, Allan G., East Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Condenser combination. 1,878,018; Sept. 20.

Stephens, Bradford E., Needham, Mass. Pamphlet and book cover. 1,870,183; Aug. 2.

Stephens, Bradford E., Needham, Mass. Pamphlet and book cover. 1,887,338; Nov. 8.

Stephens, Charles D., San Antonio, Tex., assignor to Stephens Pump Company, Dover, Del. Pump. 1,843,441; Mar. 8.

Stephens, Charles H., Des Moines, Iowa. Combination cigarette holder, dispenser, and ash tray. Des. 86,488; Mar. 8.

Stephens, Delma E., Fort Stockton, Tex. Combination window, door jamb, and buck anchor. 1,854,633; Apr. 19.

Stephens, Estelle B., Charleston, W. Va. Doorcheck. 1,871,566; Aug. 16.

Stephens, Francis G. C., deceased, L. J. Anderson, and W. A. Cash; A. B. Stephens, executrix, assignors to National Metal and Chemical Bank Limited, London, England. Manufacture of titanium oxide. 1,876,088; Sept. 6.

Stephens, Fred J., Cambridge, Mass., assignor to United States Gypsum Company, Chicago, Ill. Bag filling machine. 1,872,017; Aug. 16.

Stephens, George H., Northbrook, Ill., assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 86,546; Mar. 15.

Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 86,927; May 3.

Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 87,984; Oct. 18.

Stephens, Henry C., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Preserving fruit juices. 1,883,420; Oct. 18.

Stephens, Henry J. (See Glende, Earl H., assignor.)

Stephens, Herbert, Arlington, assignor, by mesne assignments, to The Moxie Company, Boston, Mass. Shroud attachment for containers. 1,847,277; Mar. 1.

Stephens, LeRoy C., Cheyenne, Wyo. Individual mausoleum. 1,880,335; Mar. 4.

Stephens, Neal W., Caldwell, Kans. Automatic adjusting attachment for concaves. 1,857,265; May 10.

Stephens, Oscar K., San Gabriel, Calif. Casing hanger for suspending and packing strings of casing. 1,891,508; Dec. 20.

Stephens, Percy W., Chicago, Ill. Letter scale and paper cutter. 1,843,934; Feb. 9.

Stephens Pump Company. (See Stephens, Charles D., assignor.)

Stephens Pump Company. (See Tennant, Joseph A., assignor.)

Stephens, Robert S., Springfield, Mo. Ditch scraper. 1,851,383; Mar. 29.

Stephens, Susan, Louisville, Ky. Bed. 1,866,953; July 12.

Stephens, William H., and J. H. Gribben, jr., Crockett, Calif. Density measuring apparatus. 1,883,577; Nov. 22.

Stephens, William W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for forming weftless cord fabric. 1,862,498; June 7.

Stephenson, Arlington W., assignor, by mesne assignments, to The Fax Company, San Francisco, Calif. Mercury printing apparatus and process. 1,854,719; Apr. 19.

Stephenson, Clement L., assignor of one-half to Wegman-Walsh Press, Inc., Rochester, N. Y. Toy building. Des. 87,603; Aug. 16.

Stephenson, Frank, Piscataway, West New Brunswick, N. J. License plate holder. 1,877,073; Sept. 13.

Stephenson, Harold P. (See Tate, W. R., and Stephenson.)

Stephenson, Hugh M., Fort Wayne, Ind. assignor to General Electric Company. Current regulating device. 1,845,973; Feb. 16.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Balancing machine. 1,876,623; Sept. 6.

Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,887,048; Nov. 8.

Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,889,708; Nov. 29.

Stephenson, Leigh J., and H. J. Framhein, assignors to Walker Vehicle Company. Electric clutch system for electrical vehicles and the like. 1,888,297; Nov. 22.

Stephenson, Milton E., deceased, Newton Center, Mass., State Street Trust Company, executor. Reinking device for typewriter ribbons. 1,846,498; Feb. 23.

Stephenson, Norman M., Los Angeles, Calif. Refillable cartridge fuse. 1,841,067; Jan. 19.

Stephenson, Paul A., Leonia, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Motor operated motion picture camera. Re18,502; June 21.

Stephenson, Robert B., assignor to Columbian Rope Company, Auburn, N. Y. Article holder. 1,870,659; Aug. 9.

Stephenson, Wilbur T. (See Strosacker, C. J., and Stephenson.)

Steps, Robert A. (See Hartman, W. W., and Steps.)

Stepp, Howard W. (See Grime, Edward P., assignor.)

Steppé, Alphonse. (See Steppé, Hector, A., and G.)

Steppé, Gustave. (See Steppé, Hector, A., and G.)

Steppé, Hector, A., and G., Berchem-Ste-Agathe, Brussels, Belgium. Mold for manufacturing boots, shoes, and similar articles of rubber or other plastic material. 1,881,248; Oct. 4.

Sterba, Ernest J., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 1,885,151; Nov. 1.

Sterlek Company, Inc. (See Capocefalo, Edward A., assignor.)

Sterlek Company, Inc. (See Capocefalo, Edward A., assignor.)

Sterky, Hakan K. A. (See Vos, M., and Sterky.)

Sterling, Bernard A., Chicago, Ill. Waving pad press. 1,845,104; Feb. 16.

Sterling, Bernard A., Chicago, Ill. Hair waver. 1,862,721; June 14.

Sterling, Bernard A., Chicago, Ill. Hair waver. 1,862,722; June 14.

Sterling, Bernard A., Chicago, Ill. Hair waver. 1,884,343; Oct. 25.

Sterling, Bernard A., Chicago, Ill. Hair waver. 1,889,227; Nov. 29.

Sterling, Claude H., assignor to General Motors Corporation, Detroit, Mich. Overspeed rear axle. 1,843,071; Jan. 26.

Sterling Die Casting Co. (See Halvorsen, Oscar, assignor.)
Sterling Engineering and Manufacturing Corporation. (See Hall, F. S., Blue, and Phillips, assignors.)
Sterling Grinding Wheel Company, The. (See Bucheister, Poul, assignor.)
Sterling Manufacturing Company. (See Carter, Charles E., assignor.)
Sterling Photo Manufacturing Co. (See Murphy, M. F., and Metheny, assignors.)
Sterling Pin Company, The. (See Peck, Irving H., assignor.)
Sterling Products Company. (See Fehr, Charles M., assignor.)
Stern, Albert, J., and J., New York, N. Y., assignors, by mesne assignments, to Indian Motocycle Company, Springfield, Mass. Delivery car. 1,876,155; Sept. 6.
Stern, Albert, J., J., and E., New York, N. Y., assignors, by mesne assignments, to Indian Motocycle Company, Springfield, Mass. Motor vehicle. 1,877,609; Sept. 13.
Stern, Arnold L., Cleveland Heights, Ohio. Display device. Des. 80,646; Mar. 29, 1932.
Stern, Edward, Chicago, Ill. Tire locking means. 1,843,348; Feb. 2.
Stern, Ernest. (See Stern, Albert, J., and E.)
Stern, Isaac, New York, and J. Huether, assignors to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Paper machine. 1,850,845; May 31.
Stern, Isaac, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Machine for making liners for blankets and the like. 1,867,286; July 12.
Stern, Joseph. (See Stern, Albert, J., and J.)
Stern, Joseph. (See Stern, Albert, J., and E.)
Stern, Julius. (See Stern, Albert, J., and J.)
Stern, Julius. (See Stern, Albert, J., and E.)
Stern, Lewis J., New York, N. Y. Electric clock. 1,860,120; May 24.
Stern, Louis A., and S. Carlin, New York, N. Y. Neckwear. 1,879,957; Sept. 27.
Stern, Louis, Company. (See Kraemer, August F., assignor.)
Stern, Louis, Sons, Inc. (See Stern, Robert, assignor.)
Stern, Milton C., and W. C. Pfeiffer, assignors to The Egry Register Company, Dayton, Ohio. Manifolding machine. 1,858,313; May 17.
Stern, Milton W., assignor to Stern & Stern, Inc., New York, N. Y. Cluster for ring or pendant. Des. 87,691; Jan. 26.
Stern, Milton W., New York, N. Y. Gem setting for rings, pendants and ear rings. Des. 88,265; Nov. 8.
Stern, Milton W., New York, N. Y. Gem setting for rings, pendants and ear rings. Des. 88,266; Nov. 8.
Stern, Ottokar, Vienna, Austria. Filling pits. 1,847,024; Feb. 23.
Stern, Robert, Union City, assignor to Louis Stern Sons, Inc., Kearny, N. J. Testing device. 1,878,610; Sept. 20.
Stern, Sadie, assignor of one-third to M. Weil, St. Louis, and one-third to R. Kalish, University City, Mo. Kitchen-apron. 1,863,527; June 14.
Stern, Sidney H., New York, Ohio. Hat box and constructing the same. 1,851,217; Mar. 29.
Stern & Stern, Inc. (See Stern, Milton W., assignor.)
Stern-Verschlusse G. m. b. H. (See Plattring, Adolf, assignor.)
Stern, Yermie G., New York, N. Y. Dress. Des. 86,146; Feb. 2.
Sternau, S., & Co. (See Smith, Arthur, assignor.)
Sternberg, Emil, Bremen, Germany. Lock for small arms. 1,846,229; Feb. 23.
Sternberg, Ernst J., Chicago, Ill., assignor to Thomson Machine Company, Belleville, N. J. Dough-molding device. Re18,545; July 26.
Sternberg, Harold H., Los Angeles, Calif. Fire preventive device for suction pipe-line apparatus. 1,885,488; Nov. 1.
Sternberg, Woldemar M., Oak Park, assignor of one-half to Eostein & Harris, Chicago, Ill. Lip stick. 1,869,782; Aug. 2.
Sternberg, Lambert, San Diego, Calif. Universal joint. 1,847,677; Mar. 1.
Sternemann, Adolf, Berlin-Friedenau, Germany. Potato tops destroyer. 1,870,932; Aug. 9.
Sterner, Voldemar, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Frequency relay. 1,877,959; Nov. 8.
Sterolene Company, The. (See Ford, Burdette E., assignor.)
Sterolene Company, The. (See Howard, Willis G., assignor.)
Stertzbach, Harry W., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Interlocking a journal box to a side frame. 1,875,770; Sept. 6.
Stetler, Edward, Nazareth, Pa. Rescue apparatus. 1,841,161; Jan. 12.
Stetson, John B., Company. (See MacKinnon, George V., assignor.)
Stetson, George W., Hingham, Mass. Water column for steam boilers. 1,859,009; May 17.
Stetson-Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)
Stetson, Warner D., Ferndale, Mich., assignor of one-fourth to C. B. Wisner, Detroit, Mich. Wire splicing tool. 1,877,076; Sept. 13.
Stetthacher, Alfred, Zurich, Switzerland. Plastic explosive mixture of high shattering power. 1,867,283; July 12.
Stetthacher, Alfred, Schwamendingen, near Zurich, Switzerland. Plastic explosive mixture. 1,867,285; July 12.
Stetthacher, Alfred, Zurich, Switzerland. Gelatinated explosive of great energy and constant detonation speed. 1,867,287; July 12.
Stettner, Morris, Brooklyn, N. Y. Sound chamber for loud speakers. 1,845,685; Feb. 16.
Steuart, Arthur B., Baltimore, Md. Air conditioning system. 1,871,244; Aug. 9.
Steuble, Werner, Campina, Prahova, assignor to "Concordia" Societate Anonima Romana Pentru Industria Petrolului, Ploesti, Rumania. Driving mechanism for long stroke Canadian pumps of oil well rigs. 1,839,355; Jan. 5.
Steudel, George E. (See Strain, H. A., and Steudel.)
Steuer, Otto A., and J. A. Carr, assignors to Western Concrete Pipe Company, Los Angeles, Calif. Reenforcing cage machine. 1,846,767; Feb. 23.
Stevens, Arthur, Buffalo, assignor to U. S. Industrial Alcohol Co., New York, N. Y. Solvents and their applications. 1,860,221; May 31.
Stevens, Arthur C., Shinfield, near Reading, England. Valve. 1,882,372; Oct. 11.
Stevens, Arthur H. (See Speetjens, Hubert, assignor.)
Stevens, Arthur L., assignor to The Vol-U-Meter Co., Inc., Buffalo, N. Y. Inspection lamp. 1,877,077; Sept. 13.
Stevens, Arthur L., Buffalo, assignor, by mesne assignments, to Arthur L. Stevens Corporation, Chicago, Ill. Control for metallurgical furnaces. 1,876,509; Sept. 6.
Stevens, Arthur L., Corporation. (See Stevens, Arthur L., assignor.)
Stevens, Augustus R., and F. M. Stevens, Lindsay, assignors to Food Machinery Corporation, San Jose, Calif. Fruit drying apparatus. 1,884,344; Oct. 25.
Stevens, Charles E., and J. Schoonenman, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Automatic telephone system. 1,886,065; Nov. 1.
Stevens, Charles H. (See Dickson, Victor E., assignor.)
Stevens, Charles W. (See Auker, H. H., and Stevens.)
Stevens, Charles W., Chicago, Ill. Caster base. 1,854,501; Mar. 5.
Stevens, Clarence A., Wichita, Kans., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Threshing cylinder. 1,882,402; Oct. 11.
Stevens, Clarence C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Chuck loading mechanism. 1,882,042; June 7.
Stevens, Clement Henry, Farnham Common, England. Engine frame. 1,864,004; June 21.
Stevens, Darwin E. and S. Brown; said Brown assignor to said Darwin E. Stevens and S. G. Stevens, Duluth, Minn. Vibrating stool. 1,815,941; Feb. 16.
Stevens, Donald R., Ridgewood, assignor to The Okonite Company, Passaic, N. J. Shipping reel. 1,857,169; May 10.
Stevens, Dorothy A. (See Stevens, Henry E., assignor.)
Stevens, E. E., et al., trustees. (See Code, George A., assignor.)
Stevens, Earl E., Elmhurst, Ill., assignor to Associated Engineers Company, Chicago, Ill. Electrical time drift recorder. 1,851,781; Mar. 29.
Stevens, Edward L., et al. (See Jones, Clarence M., assignor.)
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Riveting machine. 1,845,980; Feb. 9.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,860,944; May 31.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,871,754; Aug. 16.
Stevens, Edward W., and D. A. Young, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Support for power tools. 1,871,757; Aug. 16.
Stevens, Francis M. (See Stevens, Augustus R. and F. M.)
Stevens, Frederic B., Inc. (See Eastman, Louis R., assignor.)
Stevens, Frederic B., Inc. (See Hannon, Albert H., assignor.)
Stevens, Frederick A., Providence, R. I. Lens strap. Des. 87,366; July 12.
Stevens, Frederick A., Providence, R. I. Spectacle temple. Des. 87,367; July 12.
Stevens, Frederick A., Providence, R. I. Lens strap. Des. 87,368; July 12.
Stevens, Frederick A., Providence, R. I. Lens strap. Des. 87,369; July 12.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,856,596; May 3.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,861,987; June 7.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,867,034; July 12.
Stevens, George S., Boston, Mass. Ski. 1,858,120; May 10.
Stevens, Harry D., Stoke, Coventry, England. Walking stick seat. 1,863,457; June 14.

Stevens, Harry M., Schenectady, N. Y., assignor to General Electric Company. Casing for electrical devices. 1,856,326; July 5.

Stevens, Henry E., Jacksonville, Fla., assignor to D. A. Stevens, New York, N. Y. Building tile. 1,887,701; Nov. 15.

Stevens, Henry R., and T. W., Ashtabula, Ohio. Belt dressing holder. 1,843,049; Jan. 26.

Stevens, Herbert A., London, England. Spring for doors, gates, or the like. 1,861,888; June 7.

Stevens, Horace D. (See Stevens, William C., and H. D.)

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire rimming machine. 1,850,053; Mar. 15.

Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire shaping apparatus. 1,855,261; Apr. 26.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for reenforcing tire beads. 1,864,155; June 21.

Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire making machine. 1,869,317; July 26.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 1,880,519; Oct. 4.

Stevens, Horace D. and N. H. Meyers, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Mold handling device. 1,859,040; May 17.

Stevens, J. & E., Company, The. (See Frisbie, Russell A., assignor.)

Stevens, James L., Hayden, Ariz., assignor to Raconite Chemical Company. Concentration of ores, minerals, and the like. 1,847,367; Mar. 1.

Stevens, James L., Hayden, Ariz. Concentration of ores. 1,848,396; Mar. 8.

Stevens, James L., assignor to Raconite Chemical Company, Hayden, Ariz. Filtering apparatus. 1,882,045; Oct. 11.

Stevens, Jerry W., Cloquet, Minn. Sulphur burner. 1,883,063; Oct. 18.

Stevens, Jerry W., and W. H. Kenety, Cloquet, Minn., assignors to Chemipulp Process Inc., Watertown, N. Y. Apparatus and process for production of pulp. 1,860,755; May 31.

Stevens, Jerry W., and W. H. Kenety, Cloquet, Minn., assignors to Chemipulp Process Inc., Watertown, N. Y. Acid-recovery system. 1,859,561; Nov. 1, 1932.

Stevens, Joseph J., Dalton, Kans. Attachment for listers. 1,869,923; Aug. 2.

Stevens Shoe Products Company, The. (See Harm, George O., assignor.)

Stevens, Percy E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Binding strip for parts of boots and shoes. 1,883,421; Oct. 18.

Stevens, Richard H., Baltimore, Md., assignor to Bethlehem Steel Company. Annealing furnace. 1,843,281; Mar. 8.

Stevens, Robert Herbert, Edmonton, Alberta, Canada. Apparatus for the filtration of radio wave signals. 1,885,959; Nov. 1.

Stevens, Roy R., Forest Hills, Pa., assignor to Cardwell Westinghouse Company. Friction draft gear. 1,883,064; Oct. 18.

Stevens, Royale H., G. C. Norris, and W. N. Watson, assignors to Rhodesian Iron and Steel Development Company Limited, Broken Hill, Northern Rhodesia. Removal of silica from metal-bearing solutions. 1,843,006; Jan. 26.

Stevens, Sylvester, G., et al. (See Stevens, D. E., and Brown, assignors.)

Stevens, Thomas A., Wolverhampton, England. Stopper or closure. 1,887,700; Nov. 15.

Stevens, Timothy W. (See Stevens, Henry R. and T. W.)

Stevens, Virgil A., South Jacksonville, Fla. Catapult for clipper. 1,886,157; Feb. 7.

Stevens Walden Inc. (See Duvall, G. M., and Israelson, assignors.)

Stevens, Walter A., North Plainfield, N. J., assignor to American Telephone and Telegraph Company. Generating and modulating apparatus. 1,878,724; Sept. 20.

Stevens, Wilfrid A., Wolverhampton, England, assignor to Guy Motors Limited, Wolverhampton, England. Control for electrically driven vehicles. 1,849,785; Mar. 15.

Stevens, William C., New York, N. Y. Clothes hanger. 1,849,118; Mar. 15.

Stevens, William C., assignor to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,855,208; Apr. 26.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for building beads for tires. 1,855,426; Apr. 26.

Stevens, William C., Uniontown, and H. D. Stevens, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for making laminated articles. 1,880,518; Oct. 4.

Stevens, William E., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,855,616; Apr. 26.

Stevenson, Albert F., Ridgewood, N. J., assignor to The Borden Company, New York, N. Y. Manufacture of cheese. 1,868,547; July 26.

Stevenson, Ashton G., Chicago, Ill. Apparatus for casting type furniture. 1,884,345; Oct. 25.

Stevenson, Charles E. (See Jaeger, A. O., Daniels, West, and Stevenson.)

Stevenson, Clyde A., Camilla, Ga. Pressure relief garter. 1,845,527; Feb. 16.

Stevenson, Earl P., Newton, and H. A. Buron, Boston, Mass., assignors to The Richardson Company, Lockland, Ohio. Forming pulps. 1,859,414; May 24.

Stevenson, Earl P., Newton, and H. A. Buron, Cambridge, Mass., assignors to The Richardson Company, Lockland, Ohio. Felted fibrous composition. 1,878,300; Sept. 20.

Stevenson, Earl P., Newton, Mass., assignor to Arthur D. Little Industrial Corporation. Making pulp. 1,887,863; Nov. 15.

Stevenson, Edward E., assignor to Emsco Derrick and Equipment Company, Los Angeles, Calif. Making blind cage sleeves with ball guide integral. 1,870,970; Aug. 9.

Stevenson, Frank, West Lawn, assignor to Howard Hosiery Company, Inc., Sinking Springs, Pa. Shifting point for full-fashion knitting machine. 1,891,117; Dec. 13.

Stevenson, Fred, North Wales, Pa., assignor to American Model Form Co., Inc., New York, N. Y. Supporting stand. 1,859,223; May 17.

Stevenson, George H., assignor to Western Electric Company, Incorporated, New York, N. Y. Bushing for high frequency high voltage current. 1,846,917; Feb. 23.

Stevenson, George H., Sound Beach, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filtering circuits. 1,869,870; Aug. 2.

Stevenson, George W., administrator. (See Nash, Alexander Q.)

Stevenson, Harvey J., and M. Kessler, Los Angeles, Calif., assignors to National Manicuring Machine Co., Los Angeles, Calif. Manicuring cuticle point. 1,849,697; Mar. 15.

Stevenson, Harvey J., and M. Kessler, assignors to National Manicuring Machine Co., Los Angeles, Calif. Manicuring disk shader. 1,860,629; May 31.

Stevenson, Harvey J., and M. Kessler, assignors to National Manicuring Machine Co., Los Angeles, Calif. Manicuring buffer. 1,860,630; May 31.

Stevenson, Holland N., Pelham, N. Y. Surgical instrument. 1,846,573; Feb. 23.

Stevenson, John L., Toronto, Ontario, Canada, assignor to National Trust Company, Limited, Toronto, Canada. Concealed hearing. 1,861,484; June 7.

Stevenson, Levi A., Kalispell, Mont. Edible confection. 1,878,342; Sept. 20.

Stevenson, Margaret C., Dunkirk, N. Y. Sport shoe. 1,889,734; Nov. 29.

Stevenson, Robert A., Lancaster, Ohio. Auto jug. Des. 86,588; May 3.

Stevenson, Robert A., Lancaster, Ohio. Battery hand lamp. 1,872,840; Aug. 23.

Stevenson, Walter N. (See Swangren, Edwin V., assignor.)

Stevenson, Winfield, W., jr., Steinman, Virginia. Ash receiver. 1,872,356; Aug. 16.

Steverson, Enoch B., Portsmouth, Va. Coin controlled self-service or vending mechanism. 1,843,907; Feb. 2.

Steward, Colby W., Franklin Square, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aeroplane landing gear. 1,874,650; Aug. 30.

Stewart, Albert D. (See Sheperd, Edward S., assignor.)

Stewart, Albert E., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Knitting machine. 1,859,256; May 17.

Stewart, Albert E., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Yarn supporting, tensioning, and take up device. 1,874,379; Aug. 30.

Stewart, Alexander. (See Hallwood, A. J., Shepherdson, and Stewart.)

Stewart, Alexander B., assignor to Stewart Curtis Packers, Inc., Los Angeles, Calif. Treating and packaging ripe or green olives. 1,852,941; Apr. 5.

Stewart, Alexander W., Lanarkshire, Scotland. Air circulating apparatus. 1,863,811; June 21.

Stewart, Alexander W., Glasgow, Scotland. Ventilating apparatus. 1,863,949; June 21.

Stewart, Alexander W., Glasgow, Scotland. Ventilating apparatus. 1,886,313; Nov. 1.

Stewart, Allan, Dearborn, Mich. Crossing signal. 1,851,153; Nov. 1.

Stewart, Andrew, and J. C. Downie, Angus, Bengal, British India, assignors to The Angus Company Limited, Calcutta, India. Spindle-driving mechanism for spinning and twisting machines. 1,852,067; Apr. 5.

Stewart, Andrew H., Shields, assignor to The Phoenix Glass Company, Monaca, Pa. Glassware and making same. 1,883,065; Oct. 18.

Stewart, Arthur L., assignor to Gleason Works, Rochester, N. Y. Method of and machine for grinding curved tooth gears. 1,877,205; Sept. 13.

Stewart, Carl E., Detroit, Mich. Engine valve. 1,844,021; Feb. 9.

Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor vehicle device. 1,845,528; Feb. 16.

Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor vehicle device. 1,879,719; Sept. 27.

Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic signal system. 1,891,655; Dec. 20.
Stewart, Carlyle V., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Oil reining tube still. 1,851,007; Mar. 29.
Stewart, Carlyle W., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Tube connection for oil refinery fittings. 1,885,774; Nov. 1.
Stewart, Carson R., Burghill, Ohio. Garden marker. 1,863,608; June 21.
Stewart, Charles A., Detroit, Mich. Signaling apparatus. 1,853,094; Apr. 12.
Stewart, Clarence B., Port Dover, Ontario, Canada. Automatic feeder for corn huskers. 1,846,605; July 12.
Stewart, Clyde E., Drexel Hill, Pa., assignor to General Electric Company. Supervisory system. 1,847,908; Mar. 1.
Stewart, Clyde E., Drexel Hill, Pa., assignor to General Electric Company. Indicating system. 1,866,327; July 5.
Stewart Curtis Packers, Inc. (See Stewart, Alexander B., assignor.)
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Motor control mechanism. 1,860,631; May 24.
Stewart, Duncan J., assignor to H. D. Colman, Rockford Ill. Valve operator. 1,875,672; Sept. 6.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Door operator and control means therefor. 1,875,771; Sept. 6.
Stewart, Duncan J., and G. F. Drake, assignors to H. D. Colman, Rockford, Ill. Transmitter. 1,844,449; Feb. 9.
Stewart, Duncan J., and P. W. Cummings, assignors to H. D. Colman, Rockford, Ill. Temperature regulating apparatus. 1,853,325; Apr. 12.
Stewart, Enos A., Canton, Ohio. Producing marble effects in ceramics. 1,884,546; Oct. 25.
Stewart, George J., Norwood, assignor to The Kingery Manufacturing Company, Cincinnati, Ohio. Popcorn popper. Des. 87,492; Aug. 2.
Stewart, George A., Jr. (See Kelley, E. H., and Stewart.)
Stewart, Granville Q. (See Jacobs, Reed E., assignor.)
Stewart, Harry, Los Angeles, Calif. Butter mold. Des. 87,662; Sept. 13.
Stewart, Hercules D., assignor to Armstrong Cork Company, Lancaster, Pa. Running board. 1,873,504; Aug. 23.
Stewart Iron Works Company, The. (See Rich, Wallace S., assignor.)
Stewart, Isaac R. (See Russell, William J., assignor.)
Stewart, J. H. (See Blake, Cecil J., assignor.)
Stewart, Jacob R. (See Coiling, H. T., and Stewart.)
Stewart, John R., Columbus, Ohio. Window sash mounting. 1,851,616; Apr. 5.
Stewart, John R., and W. L. Hill, Trinidad, Colo. Aligning and supporting means for loading apparatus pans. 1,852,488; Apr. 5.
Stewart, John V., Johnstown, Pa. Carstop. 1,847,792; Mar. 1.
Stewart, Leroy C. (See Hunter, R. M., Stewart, Houser, and De Pree.)
Stewart, Leroy C., assignor to The Dow Chemical Company, Midland, Mich. Magnesia cement composition. 1,853,521; Apr. 12.
Stewart, Leroy C., assignor to The Dow Chemical Company, Midland, Mich. Magnesia cement composition. 1,853,522; Apr. 12.
Stewart, Leroy C., assignor to The Dow Chemical Company, Midland, Mich. Magnesia cement composition. 1,865,829; June 14.
Stewart, Mark G., assignor to Pelican Well Tool and Supply Company, Shreveport, La. Casing seal for wells. 1,869,387; July 26.
Stewart, Ralph E., Los Angeles, Calif. Variable speed induction motor. 1,855,617; Apr. 26.
Stewart, Ralph E., assignor of one-half to C. Ruess, Los Angeles, Calif. Core construction for magnetic circuits. 1,873,354; Aug. 23.
Stewart, Robert, Ozone Park, N. Y. Wash rag. 1,870,003; Aug. 2.
Stewart, Roy L., Birmingham, Ala., assignor to F. C. Fantz, Webster Groves, Mo. Return bend fitting. 1,851,450; Mar 29.
Stewart, Simon M. (See Parker, H. E., and Stewart.)
Stewart, Spencer W., White Plains, assignor to Ambursen Construction Company, Inc., New York, N. Y. Dam. 1,846,949; Jan. 12.
Stewart, Spencer W., White Plains, assignor to Ambursen Construction Company, Inc., New York, N. Y. Dam. 1,846,950; Feb. 23.
Stewart, Spencer W., White Plains, assignor to Ambursen Construction Co., Inc., New York, N. Y. Subterraneous masonry structure and making the same. 1,884,347; Oct. 25.
Stewart, Thomas F., Philadelphia, Pa. Adjustable curtain hanger. 1,849,686; Feb. 16.
Stewart, Walter, Toledo, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Vacuum cleaner. 1,851,463; Mar. 29.
Stewart, Walter S., Pleasureville, Ky. Internal combustion engine. 1,851,530; Mar. 29.
Stewart Warner Corporation. (See Burton, Charles S., assignor.)
Stewart-Warner Corporation. (See Collins, Douglas, assignor.)
Stewart-Warner Corporation. (See Edwards, William A., assignor.)
Stewart-Warner Corporation. (See Farr, Willard H., assignor.)
Stewart-Warner Corporation. (See Minnium, Byron B., assignor.)
Stewart-Warner Corporation. (See Muzzy, William H., assignor.)
Stewart-Warner Corporation. (See Olsen, John K., assignor.)
Stewart-Warner Corporation. (See Rava, Alexander, assignor.)
Stewart-Warner Corporation. (See Rockwell, E. A., assignor.)
Stewart-Warner Corporation. (See Ross, Frank A., assignor.)
Stewart-Warner Corporation. (See Schulze, William H., assignor.)
Stewart-Warner Corporation. (See Schweisthal, Fred G. assignor.)
Stewart-Warner Corporation. (See Spackman, Thomas F., assignor.)
Stewart-Warner Corporation. (See Sussin, Victor, assignor.)
Stewart-Warner Corporation. (See Tice, Percival S., assignor.)
Stewart-Warner Corporation. (See Wheeler, Leonard H., assignor.)
Stewart-Warner Corporation. (See Whitted, John B., assignor.)
Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Grading machine. 1,874,715; Aug. 30.
Stewart, William H. (See Sherwood, R. H., and Stewart.)
Stewart, William H., Jacksonville, Fla. Sectional rod and coupling member therefor. 1,868,508; July 26.
Stewart, William H., Jacksonville, Fla. Plaiting device. 1,890,101; Dec. 6.
Stiansen, Anton F., Brooklyn, N. Y. Chain. 1,860,514; May 31.
Stibbe, G. & Co. Limited. (See Christensen, Per C., assignor.)
Stibbe, Godfrey, Leicester, England, assignor to Hemphill Company, Central Falls, R. I. Patterning mechanism for circular knitting machines. 1,868,043; July 26.
Stiebler, Merlin A., assignor to The Nafziger Corporation, Kansas City, Mo. Engine control system. 1,843,060; Feb. 9.
Stickel, Charles W., and W. J. Beldue, assignors to Walton Products Company, Rochester, N. Y. Fish lure. 1,842,127; Jan. 19.
Stickel, Ralph E., Seminole, Okla. Beam hanger. 1,890,135; Dec. 6.
Stickell, Samuel F., Brooklyn, N. Y., and J. R. Poole, Hingham, Mass. Making creamed products. 1,850,037; Mar. 15.
Stickels, Arthur E. (See Dunning, F., and Stickels.)
Stickler & Magnuson Aktiebolag. (See Sederholm, Per, assignor.)
Stickless Corporation, The. (See Lichter, Malvin, assignor.)
Stickley, Arthur L., Osceola, assignor of one-half to J. B. Coleman, South Bend, Ind. Hot air blower. 1,846,158; Feb. 23.
Stickney, Burnham C., Hillside, N. J. Internal combustion engine. 1,851,547; Mar. 29.
Stickney, Burnham C., Hillside, N. J. Internal combustion engine. 1,883,066; Oct. 18.
Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,873,355; Aug. 23.
Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,886,845; Nov. 8.
Stickney, Charles A., deceased, by J. G. Tetlow, administrator, Rockford, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Water softener valve. 1,878,019; Sept. 20.
Stickney, Fernald S. (See Sparkes, H. P., and Stickney.)
Stickney, Fernald S., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Precision instrument. 1,844,529; Feb. 9.
Stickney, Fernald S., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Instrument pointer structure. 1,859,764; Dec. 6.
Stickney & Poor Spice Co. (See Sprigings, David A., assignor.)
Stiefel, Ralph C., Ellwood City, Pa. Straightening machine. 1,859,851; May 24.
Stiegler, George, Cincinnati, Ohio. Marking machine. 1,886,656; Dec. 20.
Stiegler, Harold W., assignor to Cheney Brothers, South Manchester, Conn. Weighting textile material. 1,856,279; May 17.
Stieglitz, Henry M., assignor to Frank Adam Electric Co., St. Louis, Mo. Wire connecter. 1,877,611; Sept. 13.
Stieglitz, Henry M., assignor to Frank Adam Electric Co., St. Louis, Mo. Catch lock. 1,877,612; Sept. 13.
Stiel, Carl F., St. Paul, Minn. Window cleaner's pail. 1,887,071; Nov. 8.
Stiemke, Walter H. (See Jett, George C., assignor.)

Stiennon, Louis, assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Single-trigger mechanism for multiple-barrel firearms. 1,190,005; Dec. 6.

Stifel, Edward W., assignor to J. L. Stifel & Sons, Inc., Wheeling, W. Va. Tag. Des. 57,811; Sept. 20.

Stifel, J. L., & Sons, Inc. (See Stifel, Edward W., assignor.)

Stiffler, Ralph L., Altoona, Pa. Lifting coupler for connecting and uncoupling. 1,855,387; Apr. 12.

Stiles, Edward M., Burlington, Iowa, assignor to U. S. Slicing Machine Company. Slicing machine. 1,878,020; Sept. 20.

Stiles, Frank I., Miami, Fla. Golf game board. 1,892,593; Dec. 27.

Stiles, Jot E. (See Arata, Frank, and Stiles.)

Stiles, L. B. (See Patterson, Edgar W., assignor.)

Stiles, Thomas G., assignor to Container Seal Company, Inc., Arlington, N. J. Seal. 1,856,471; Nov. 8.

Still, Carl. (See Lamberts, Gustav, assignor.)

Still, Carl, Firm. (See Wessel, Carl, assignor.)

Stille, Curt, assignor to Telegraphie-Patent-Syndikat G. m. b. H., Berlin, Germany. Electromagnetic recording arrangement for acoustic vibrations. 1,846,531; Feb. 23.

Stille, Ernst T., Chicago, Ill. Wood filler composition. 1,885,780; Nov. 1.

Stille, Laurence C., Valparaiso, Ind., assignor, by mesne assignments, to George C. Peterson Co., Chicago, Ill. Adhesive. 1,869,797; Aug. 2.

Stillman, John C., Appleton, Wis. Heating, drying, and ventilating system. 1,845,942; Feb. 16.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Single pass marine boiler. 1,851,464; Mar. 29.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,851,465; Mar. 29.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,851,466; Mar. 29.

Stilson, Herbert A., Chicago, Ill. Animal trap. 1,891,737; Dec. 20.

Stilwell, Henry F., San Antonio, Tex. Delivery of mail and other matter from aeroplanes while in motion. 1,847,190; Mar. 15.

Stimmel, Byron A., K. D. McBean and G. Cruickschank, Trail, British Columbia, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Roasting minerals containing the sulphides of zinc, iron, lead and copper, for the recovery of the metals and the sulphur dioxide gas therefrom. 1,884,348; Oct. 25.

Stimmler, Daniel N., Minneapolis, Minn. Pressure and gravity water and liquor release. 1,852,906; Apr. 5.

Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)

Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Riveting machine. 1,839,901; Jan. 5.

Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Tubular rivet drilling machine. 1,870,391; Aug. 9.

Stimpson, Edwin B., assignor to E. B. Stimpson Company, Brooklyn, N. Y. Noise eliminator. 1,870,428; Aug. 9.

Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet drilling machine. 1,870,429; Aug. 9.

Stimpson, Edwin B., assignor to E. B. Stimpson Company, Brooklyn, N. Y. Slotting machine. 1,872,564; Aug. 16.

Stimpson, Robert H. (See Van der Fyl, E., and Stimpson.)

Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Back box plate for looms. 1,848,674; Mar. 8.

Stimpson, Walter F. (See Dryden, William W., assignor.)

Stimpson, Walter F. (See Lachance, Modeste J., assignor.)

Stimpson, Walter F., Louisville, Ky. Tool grinder. 1,869,211; May 24.

Stimpson, Walter F., and W. E. Finch, Louisville, Ky.; said Finch assignor to said Stimpson. Scale. 1,848,767; Jan. 19.

Stimpson, Walter F., and W. W. Dryden, Louisville, Ky.; said Dryden assignor to said Stimpson. Food grinding machine. 1,851,653; Mar. 29.

Stimson, Frank G., Belleville, assignor to Bond Electric Corporation, Jersey City, N. J. Flash light switch. 1,888,294; Nov. 15.

Stimson, Jonathan C., Chicago, Ill. Automobile signal lamp. Des. 87,692; Aug. 30.

Stimson, Jonathan C., University City, Mo. Reflecting device. 1,863,675; Mar. 1.

Stimson, Jonathan C., St. Louis, Mo. Signal lantern. 1,874,138; Aug. 30.

Stimson, Jonathan C., St. Louis, Mo. Signal lantern. 1,878,909; Sept. 20.

Stimson, Robert W., New York, N. Y., and W. Borchers, Aachen, Germany. Manufacture of alloys. 1,863,642; June 21.

Stimson, Russell L., San Francisco, Calif., and W. H. Boutelle, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Eye testing device. 1,873,356; Aug. 23.

Stimuplant Laboratories, Inc. (See Cornell, Franklin M., assignor.)

Stine, Louis B., Niles Center, assignor to Crane Co., Chicago, Ill. Closet bowl with spray receptor. 1,873,910; Sept. 20.

Stine, Samuel B., Osceola Mills, Pa. Molding apparatus. 1,854,528; Apr. 19.

Stiner, Herrn Dr., & Lignatwerke, A. G. Grandson. (See Stiner, Otto, assignor.)

Stiner, Otto, assignor to Herrn Dr. Stiner & Lignatwerke A. G., Grandson, Bern, Switzerland. Silicifying fibrous materials. 1,862,167; June 7.

Stinson Aircraft Corporation. (See De Weese, Bernard D., assignor.)

Stinson Aircraft Corporation. (See Olesen, Tage C., assignor.)

Stinson, Edward A., Northville, Mich., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Airplane control mechanism. 1,879,859; Sept. 27.

Stipa, Luigi, Rome, Italy. Propellers for aeroplanes and the like. 1,873,505; Aug. 23.

Stipes, Reese W., and W. M. Hoose, assignors of one-third to The Evans Auto Loading Company, Inc., one-third to Copony Auto Loading Company, Detroit, Mich., and one-third to The Studebaker Corporation, South Bend, Ind. Automobile checking device. 1,890,918; Dec. 13.

Stitt, Charles H., assignor of one-third to S. F. Shoup, Rimersburg, Pa. Device for plugging holes in gas lines and the like. 1,842,698; Jan. 26.

Stivender, Paul M. (See Montgomery, T. B., and Stivender.)

Stivender, Paul M., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 1,844,719; Feb. 9.

Stivender, Paul M., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical control system. 1,844,720; Feb. 9.

Stivender, Paul M., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Automatic synchronizer. 1,873,985; Aug. 30.

Stjarnstrom, Arthur E., Cleveland, Ohio. Flexible mandrel. 1,856,597; May 3.

Stock, Arthur J., jr., Lakewood, Ohio. Nonsegregating conveyer chute. 1,869,628; Aug. 2.

Stock, Pauline. (See Wittek, Hermann, assignor.)

Stock Quotation Telegraph Company. (See Hiltz, G. S., and Purcell, assignors.)

Stock, Vaisse, Los Angeles, Calif. Razor strop. 1,877,613; Sept. 16.

Stockard, Robert L., Nashville, Tenn. Highway guard fence. 1,847,025; Feb. 23.

Stockdale, Thomas B., assignor to Standard Oil Company, Whiting, Ind. Pipe still distillation. 1,874,212; Aug. 30.

Stocker, Ernst. (See Knecht, O., and Stocker.)

Stocker, Ernst, Basel, Switzerland, assignor to Munitex Corporation, Paterson, N. J. Process for making effect threads heat and storage proof. 1,867,035; July 12.

Stocker, Robert, Basel, and J. Müller Munchenstein, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of leuco thiindigo acyl derivatives. 1,861,996; Oct. 4.

Stockert, Edward G., Chicago, Ill. Strop. 1,852,223; Apr. 5.

Stockert, Josef, Schwelm, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Coffee-mill with electric driving device. 1,865,131; July 5.

Stockfleth, Berger. (See Johnson, H. L., and Stockfleth.)

Stockfleth, Berger, Niles, Mich., assignor to Hydraulic Pressed Bearing Company, Wilmington, Del. Bearing liner or sleeve. 1,851,934; Mar. 29.

Stockfleth, Berger, Niles, Mich., assignor to Hydraulic Pressed Bearing Company, Wilmington, Del. Die casting. 1,851,935; Mar. 29.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,172; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making thin walled metal articles. 1,892,173; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,174; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,175; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland, Grapithe Bronze Company, Cleveland, Ohio. Making a bimetal bearing sleeve. 1,892,176; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,177; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,178; Dec. 27.

Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to the Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,179; Dec. 27.
Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,892,180; Dec. 27.
Stockfleth, Sigurd J. (See Purdy, C. A., and Stockfleth.)
Stockham, Herbert C., Birmingham, Ala., assignor to Fred C. Faniz, Webster Groves, Mo. Return bend fitting. 1,856,852; May 24.
Stockhausen, Hans, Krefeld, Fritz Schlotterbeck, Heidelberg, Conrad Cremer, and Arnuit Hecking, Krefeld, Germany. Manufacturing oils and fats. 1,849,209; Mar. 15.
Stockholder, John H., New Orleans, La. Boiler cleaner. 1,888,515; Nov. 22.
Stocking, William R., Glastonbury, Conn. Electrically welding tableware parts. 1,883,067; Oct. 18.
Stocklin, Clifford L., assignor to Cook Laboratories, Inc., Chicago, Ill. Administration of therapeutic agents. 1,869,443; Aug. 2.
Stöckly, Johann J., and R. Bartunek, Teltow, near Berlin, assignors, by mesne assignments, to American Glanzstoff Corporation, New York, N. Y. Maintaining the composition of viscose precipitating baths containing magnesium sulphate. 1,863,172; June 14.
Stöckly, Johann J., Teltow-Seehof, near Berlin, and E. Witte, Berlin-Lichterfeld, Germany, assignors, by mesne assignments, to American Glanzstoff Corporation, New York, N. Y. Manufacture of artificial silk, hair, bands and similar products of diminished lustre. 1,875,185; Aug. 30.
Stockly, Walter D., Pittsburgh, Pa. Apparatus for handling material. 1,841,683; Jan. 19.
Stockman, William M., Chicago, Ill. Picture frame. 1,852,236; Oct. 1.
Stockmeyer, Friedrich W., Vaihingen, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Regulator for the gas supply. 1,854,349; Oct. 25.
Stocks, Ralph D., Simons, Calif. Brake control and safety valve mechanism. 1,875,673; Sept. 6.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Cooking range construction. 1,841,219; Jan. 12.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. 1,891,142; Dec. 20.
Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Thermostatic arrangement for gas ranges. 1,841,218; Jan. 12.
Stockton, Frank P., Spring Lake, N. J., assignor to Stromberg-Carlson Telephone Manufacturing Company. Phonograph. 1,873,358; Aug. 23.
Stockton, Frank P., Spring Lake, N. J., assignor to Stromberg-Carlson Telephone Manufacturing Company. Automatic control for phonographs. 1,890,797; Dec. 13.
Stockton, Thomas G., Belleville, N. J. Joint for split rims. 1,881,249; Oct. 4.
Stockwell, William R., assignor to Well-McLain Company, Michigan City, Ind. Valve. 1,845,190; Feb. 2.
Stoddard, Albert D., Duncan, Okla. Hose clamp. 1,853,584; Apr. 12.
Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Detergent composition. 1,854,235; Apr. 19.
Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing. 1,870,318; Aug. 9.
Stoddard, Edgar S., Berwyn, and W. C. Rykert, Chicago, assignors to The Conover Company, Chicago, Ill. Dishwashing machine. 1,870,317; Aug. 9.
Stoddard, Hart A., Westport, assignor to Jack Breslaw, New Haven, Conn. Hosiery. 1,845,731; Feb. 16.
Stoddard, John G., East Falls Church, Va. Device for operating and controlling folding doors. 1,889,159; Nov. 29.
Stoddard, Vida L., Frankfort, Ind. File handle. 1,858,380; May 17.
Stoddard, William B. (See Rollhaus, P. E., and Stoddard.)
Stoesser, Wesley C. (See Marschner, R. F., and Stoesser.)
Stoeckicht, Wilhelm, Munich-Solln, Germany. Bevel-wheel gearing. 1,856,443; May 3.
Stoeckicht, Wilhelm, Munich, Germany. Friction roller gearing. 1,868,676; July 26.
Stoecklin, Josef, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective relay. 1,873,986; Aug. 30.
Stoeckly, Johann Joseph, Teltow-Seehof, and E. Witte, Berlin-Lichterfelde, Germany. Method of forming artificial silk, etc., of mat appearance. 1,867,188; July 12.
Stoeckly, Johann J., Teltow-Seehof, and E. Witte, Lichterfelde-Berlin, Germany, assignors to American Glanzstoff Corporation, New York, N. Y. Purification of cellulose solutions. 1,886,504; Nov. 8.
Stoefen, Robert R. (See Oberg, A. J., and Stoefen.)
Stoehrel, Johannes. (See Ambros, O., Reindel, Eisele, and Stoehrel.)
Stoekle, Erwin R. (See Osmun, H. E., Rubinstein, and Stoekle.)
Stoelzlen, Leo V., assignor to Reed Manufacturing Company, Erie, Pa. Die stock. 1,879,578; Sept. 27.
Stoesser, Wesley C. (See Britton, E. C., and Stoesser.)
Stoetzel, Joseph J., Queens Village, assignor to G & G Atlas Systems, Inc., New York, N. Y. Pneumatic dispatch outlet valve. 1,849,119; Mar. 15.
Stoetzel, Joseph J., Queens Village, assignor to G & G Atlas Systems, Inc., New York, N. Y. Valve for pneumatic dispatch systems. 1,856,889; May 3.
Stoetzer, Walther. (See Buchlob, H., Mieg, and Stoetzer.)
Stoffel, Franz L. (See Schaefer, Friedrich, assignor.)
Stoffel, George A., Huntington, Ind. Casting box. 1,855,531; Apr. 26.
Stoffel, Simon H., Delft, Netherlands. Washing machine. 1,864,602; June 21.
Stoffregan, Otto G., Chicago, Ill. Supporter for wearing apparel. 1,886,754; Nov. 8.
Stogner, Lawrence B., Nashville, S. C. Tube or cone bolding mandrel. 1,887,790; Nov. 15.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,844,111; Feb. 9.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,850,606; Mar. 22.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,851,103; Mar. 29.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,859,941; May 24.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,861,962; May 31.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,861,963; May 31.
Stockley, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,870,035; Aug. 2.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone system. 1,887,956; Nov. 15.
Stoker, Albert E., Detroit, Mich. Selective ratio clutch. 1,864,870; June 28.
Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Automatic fuel regulator. 1,841,687; Jan. 19.
Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Automatic fuel regulator. 1,842,690; Jan. 26.
Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Automatic fuel regulator. 1,854,236; Apr. 19.
Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Automatic fuel regulator. 1,861,725; June 7.
Stokes, David B., Beverly, assignor to United States Pipe & Foundry Company, Burlington, N. J. Pipe joint packing. 1,856,890; May 3.
Stokes, F. J., Machine Company. (See Stokes, F. J., and Westin, assignors.)
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stokes, Francis J., Philadelphia, Pa. Rotary tablet or briquetting machine. 1,844,700; Feb. 9.
Stokes, Francis J., Philadelphia, Pa. Filler mechanism for tablet and the like. 1,860,601; July 19.
Stokes, Francis J., and C. J. Westin, assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Nozzle valve. 1,843,701; Feb. 2.
Stokes, Harlow T., Brooklyn, assignor to International Fire Equipment Corporation, West New Brighton, Staten Island, N. Y. Fire extinguisher. 1,849,644; Mar. 15.
Stokes, Harlow T., Brooklyn, assignor to International Fire Equipment Corporation, West New Brighton, N. Y. Fire extinguisher. 1,862,584; June 14.
Stokes, John B., Houston, Tex. Lawn mower. 1,858,690; May 17.
Stokes, John S. (See Novotny, Emil E., assignor.)
Stokes, John S. (See Novotny, E. E., and Romieux, assignors.)
Stokes, John S., Huntingdon Valley, Pa. Composite box. 1,862,205; June 7.
Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Forming boxes and the like. 1,879,830; Sept. 27.
Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Wrapping and forming boxes. 1,880,288; Oct. 4.
Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Summerdale, Pa. Wrapped box. 1,887,864; Nov. 15.
Stokes, Joseph, Rubber Company. (See Martindell, Milton H., assignor.)
Stokes, Robert J., Princeton Township, Mercer County, assignor to Thermold Rubber Company, Trenton, N. J. Power belt. 1,860,269; May 24.
Stokes, Rupert O., London, England. Conveying mechanism. 1,885,064; Oct. 25.
Stokes and Smith Company. (See Rider, Ernest G., assignor.)
Stokes and Smith Company. (See Stokes, John S., assignor.)
Stokes, Stanley, Ferguson, Mo. Loud speaker. 1,845,768; Feb. 16.

Stokes, William E., Rockville Center, and A. H. Peter, assignors to Royal Baking Powder Company, New York, N. Y. Conversion of carbohydrates to products of higher oxidation. 1,870,472; Aug. 9.

Stoler, Edward W., Mansfield, Ohio, assignor to Kelsey Hayes Wheel Corporation, Detroit, Mich. Nipple swaging machine. 1,876,174; Sept. 6.

Stolfa, Hermann, and R. Zwerina, Vienna, Austria, assignors of one-sixth to K. Pehl, and one-sixth to G. I. Jahn, New York, N. Y. Rocker. 1,879,579; Sept. 27.

Stoll, Albert, assignor to National Machine Products Company, Detroit, Mich. Machine element. 1,847,314; Mar. 1.

Stoll, Albert, assignor to National Machine Products Company, Detroit, Mich. Method and apparatus for coupling nuts and washers. 1,851,889; June 7.

Stoll, Albert, assignor to National Machine Products Company, Detroit, Mich. Coupled nut and washer assembly. 1,883,068; Oct. 18.

Stoll, Arthur, and A. Hofmann, assignors to the Firm Chemical Works formerly Sandoz, Basel, Switzerland. Complex glucosaminic acid salts of the metals of the iron group. 1,883,186; Nov. 15.

Stoll, Arthur, and A. Hofmann, assignors to Chemical Works formerly Sandoz, Basel, Switzerland. Glucosaminic salts of antimony. 1,883,187; Nov. 15.

Stoll, Arthur, and H. Burrus, assignors to Firm of Chemical Works formely Sandoz, Basel, Switzerland. Manufacture of easily soluble benzylmorphine salts. 1,892,049; Dec. 27.

Stoll, Julius E., assignor to Pabst Corporation, Milwaukee, Wis. Labeling mechanism. 1,847,678; Mar. 1.

Stoll, Julius E., assignor to Pabst Corporation, Milwaukee, Wis. Marking mechanism. 1,850,422; Mar. 22.

Stoll, Julius E., assignor to Pabst Corporation, Milwaukee, Wis. Marking apparatus. 1,864,954; June 28.

Stollberg, Charles, assignor to American Can Company, New York, N. Y. Container seam and making it. 1,842,463; Jan. 26.

Stolle, Frank C., St. Louis, Mo. Material spreader. 1,874,341; Aug. 23.

Stolle, Frederick A., assignor to Stolte Stoker Corporation, Indianapolis, Ind. Automatic feeder for coal burning furnaces. 1,888,439; Nov. 22.

Stoller, Hugh M. (See Banks, W. E., and Stoller.)

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for electric discharge devices. 1,841,504; Jan. 19.

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor structure. 1,849,041; Mar. 8.

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control system. 1,850,640; Mar. 15.

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Power supply system. 1,850,665; May 3.

Stoller, Hugh M., Mountain Lakes, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Filter circuits. 1,856,666; May 3.

Stoller, Hugh M., Mountain Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resilient support. 1,866,274; July 5.

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant speed motor. 1,871,347; Aug. 9.

Stoller, Hugh M., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric regulator. 1,874,786; Aug. 30.

Stoller, Hugh M., Mountain Lake, N. J., and E. R. Morton, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed regulator. 1,866,275; July 5.

Stoller, Hugh M., Mountain Lakes, N. J., and E. R. Morton, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated motor system. 1,874,880; Aug. 30.

Stolley, R. R., Inc. (See Boon, Guthrie, assignor.)

Stolp, Frank H., Geneva, N. Y. Accelerating transmission mechanism. 1,886,479; Nov. 1.

Stolp, Samuel S. (See Cooke, M. W., and Stolp.)

Stolp, Samuel S., Louisville, Ky. Switch and signal system. 1,883,069; Oct. 18.

Stolp, Samuel S., assignor to Nachod & United States Signal Company, Inc., Louisville, Ky. Railway signaling flasher. 1,862,773; June 14.

Stolp, Samuel S., and F. H. Richterkessing, Louisville, Ky., assignors to Nachod & United States Signal Co., Inc. Trolley railway signal system. 1,868,180; July 19.

Stolte Stoker Corporation. (See Stolte, Frederick A., assignor.)

Stoltz, Charles E. (See Mancha, R., and Stoltz.)

Stoltzfus, Joseph B., Sadsburyville, Pa. Oil hole cleaner and spout retainer. 1,856,598; May 3.

Stolz, Friedrich, Frankfort-on-the-Main-Hochst, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. α-para-hydroxyphenyl-β-methylaminopropanol and preparing it. 1,878,021; Sept. 20.

Stolz, Friedrich, Frankfort-on-the-Main-Hoechst, W. Krohs, and H. Schlichenmaier, Bad-Soden, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing hydrogenated aromatic carboxylic acid esters. 1,850,144; Mar. 22.

Stolz, Otto, Berlin, Germany. Dummy rifle. 1,890,168; Dec. 6.

Stolze, Heinrich, Schwanebeck, Germany. Beet-root gathering machine. 1,881,145; Oct. 4.

Stone, Abraham, Brooklyn, N. Y. Container. 1,892,594; Dec. 27.

Stone, Albert F. (See Banks, W. E., and Stone.)

Stone, De Witt, sr., and W. Reb Adkerson, Sayre, Okla. Spinning tongs. 1,855,325; Apr. 26.

Stone, Earll R., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,847,633; Mar. 1.

Stone, Earll R., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,867,189; July 12.

Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Twisting and winding machine. 1,840,642; Jan. 12.

Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Automatic shuttle replenishing loom. 1,840,855; Jan. 12.

Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. File fabric loom. 1,840,856; Jan. 12.

Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Tuft pile fabric loom. 1,865,221; June 28.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Spare wheel or rim lock. 1,843,072; Jan. 26.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Suitcase lock. 1,871,759; Aug. 16.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,883,072; Oct. 18.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Hasp lock. 1,892,289; Dec. 27.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Permutation lock. 1,892,290; Dec. 27.

Stone, Ernest V., Long Beach, Calif. Multi-tube parachute ejector. 1,852,439; Apr. 5.

Stone, Frank J., Arlington, Mass. Ink-eradicating unit. 1,848,849; Mar. 8.

Stone, Frederick, assignor to Doheny-Stone Drill Co., Los Angeles, Calif. Core drill. Re18,500; June 14.

Stone, Frederick, Glendale, assignor to Doheny-Stone Drill Co., Los Angeles, Calif. Well drilling apparatus. 1,883,070; Oct. 18.

Stone, Frederick, Glendale, assignor to Doheny-Stone Drill Co., Los Angeles, Calif. Work-gripping means for well drilling apparatus. 1,883,073; Oct. 18.

Stone, Frederick, Glendale, assignor to Doheny-Stone Drill Co., Los Angeles, Calif. Lockable safety joint. 1,883,071; Oct. 18.

Stone, Harold J., Los Angeles, Calif. Stabilizing and propelling apparatus for land, sea, and air craft. 1,840,541; Jan. 12.

Stone, Harry S., New York, N. Y. Fastening means for sign and the like. 1,864,956; June 28.

Stone, Henry A., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Coating machine. 1,852,520; Apr. 5.

Stone, Henry A., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Capping device. 1,878,343; Sept. 20.

Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Purification of sodium acetate. 1,857,520; May 10.

Stone, Irving I., Chicago, Ill. Centering chuck for web rolls. 1,861,646; June 7.

Stone, J., & Company. (See Rowledge, Eric G., assignor.)

Stone, J., & Company Limited. (See Crocker, Harold A., assignor.)

Stone, J., & Company Limited. (See Hatcher, Ernest C., assignor.)

Stone, J., & Company Limited. (See Honey, Alfred E., assignor.)

Stone, J., & Company Limited. (See Myers, Archibald C. T., assignor.)

Stone, J., & Company, Limited. (See Neville, H., and Cotter, assignors.)

Stone, J., & Company Limited. (See Rowledge, Eric G., assignor.)

Stone, Joseph C. R., Belmont, Mass. Alloy. 1,851,218; Mar. 29.

Stone, Julius L., Philadelphia, Pa. Folding umbrella. 1,843,961 Feb. 9.

Stone, Leo. (See Bodge, William, assignor.)

Stone, Leo, Brockton, Mass. Making open ended envelopes. 1,860,965; May 31.

Stone, Mark M., Malden, assignor to S. R. Stone, Waban, Mass. Textile fabric. Des. 87,763; Sept. 13.

Stone, Max, New York, N. Y. Coiffure retaining cap. 1,870,293; Aug. 9.

Stone, Morris J., Wichita, Kans. Propeller. 1,884,984; Oct. 25.
Stone, Nathan M., Chicago, Ill. Mileage record holder for automobiles. 1,860,632; May 31.
Stone, Nathaniel B., Washington, D. C. Recoil buffer for cutter bars. 1,844,188; Feb. 9.
Stone, Nathaniel B., Washington, D. C. Resurfacing tool. 1,862,310; June 14.
Stone, Nathaniel B., Washington, D. C. Automatic spindle grip for door knobs. 1,874,139; Aug. 30.
Stone, Nathaniel B., Washington, D. C. Mop holder. 1,874,381; Aug. 30.
Stone, Norman S., and R. L. Burns, Mosinee, assignors to Mosinee Paper Mills Company, Mosinee, Wis. Method and apparatus for making reenforced paper. 1,870,267; Aug. 9.
Stone, Richard A., Muncie, Ind. Tank closure device. 1,830,423; Jan. 5.
Stone, S. Robert. (See Stone, Mark M., assignor.)
Stone Straw Corporation. (See Maltby, Sidney T., assignor.)
Stone Straw Corporation. (See Platt, James B., assignor.)
Stonebridge, George B., New York, N. Y., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Lineswitch equipment. 1,871,518; Aug. 16.
Stonebridge, William E., New York, N. Y. Anti-panic lock mechanism. 1,863,129; June 14.
Stonequist, Lawrence W., and C. Rottum, Chicago, Ill. Advertising device. 1,890,657; Dec. 13.
Stoner, Abraham D., New Windsor, Md. Rabbit hutch. Des. 88,368; Nov. 22.
Stoner, Abraham D., New Windsor, Md. Rabbit hutch. 1,879,580; Sept. 27.
Stoner-Ames Brake Company. (See Stoner, George H., assignor.)
Stoner, Charles M., assignor to The Wolf Company, Chambersburg, Pa. Cutting machine. 1,847,990; Mar. 1.
Stoner, Frank, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,884,907; Oct. 25.
Stoner, Frank, Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,884,908; Oct. 25.
Stoner, Frank H., Monroe, Mich. Hoist derrick. 1,887,965; Nov. 15.
Stoner, Frederick B., Riverside, Calif. Dual rotary valve. 1,859,725; May 24.
Stoner, George H., assignor to Stoner-Ames Brake Company, Inc., Boston, Mass. Brake. 1,851,737; Mar. 29.
Stoner, George H., assignor to Stoner-Ames Brake Company, Inc., Boston, Mass. Brake. 1,878,911; Sept. 20.
Stoner, George H., assignor to Stoner-Ames Brake Company, Inc., Boston, Mass. Brake anchor. 1,878,912; Sept. 20.
Stoner, Robert V., Muncie, Ind. Bathroom cabinet stool. Des. 86,489; Mar. 8.
Stoody Company. (See Stoody, Shelley M., assignor.)
Stoody Company. (See Stoody, Winston F., assignor.)
Stoody Company. (See Stoody, W. F., and Relling, assignors.)
Stoody, Shelley M., assignor to Stoody Company, Whittier, Calif. Electrode holder. 1,850,293; Mar. 22.
Stoody, Winston F., assignor to Stoody Company, Whittier, Calif. Electrode holder. 1,876,786; Sept. 13.
Stoody, Winston F., Whittier, and Thor Relling, Belvedere Gardens, assignors to Stoody Company, Whittier, Calif. Making metal articles. 1,876,175; Sept. 6.
Stoce, Edwin W., Longmeadow, and F. V. Grennor, Chicopee, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Shuttle replenishing loom. 1,862,987; June 14.
Stoop, Samuel E., New Hope, Pa. Post hole digger. 1,886,081; July 19.
Stoops, Albert G., Tulsa, Okla. Torpedo shell. 1,853,495; Apr. 26.
Stoops, Irvin E., Detroit, Mich. Dispensing device. 1,884,350; Oct. 25.
Stoot, Frans L., et al. (See Sanders, Ludwig A., assignor.)
Stoot, Frans L., et al. (See Sanders, Ludwig A., assignor.)
Storch, Friedrich C. M., Berlin-Charlottenburg, Germany. Electrical apparatus. 1,853,471; Apr. 12.
Storch, Henry H., New York, N. Y., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Process and catalyst for the synthesis of methanol. 1,875,273; Aug. 30.
Storch, Julius, New York, N. Y. Hopper construction for laundries, etc. 1,886,916; Nov. 8.
Storch, Paul. (See Storing, F., and Storch.)
Storch, Paul, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft of Siemensstadt, near Berlin, Germany. Chemical picture-telegraph equipment. 1,883,074; Oct. 18.
Storch, Paul, Berlin-Charlottenburg, and E. Rossberg, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Wernernerk Siemensstadt, bei Berlin, Germany. Call recording and charging system. 1,872,842; Aug. 23.
Storck, Frederick W., Somerville, assignor to Standard Mailing Machines Company, Everett, Mass. Moistening device. 1,889,911; Dec. 6.
Storer, Richard H., Vancouver, British Columbia, Canada. Advertising device. 1,853,707; Apr. 12.
Storey, Oliver W., assignor to Burgess Battery Company, Madison, Wis. Production of manganese dioxide. 1,874,827; Aug. 30.
Storey, Oliver W., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Blooting and annealing blocks of earthy material. 1,882,046; Oct. 11.
Storey, William H. (See Creed, F. G., Storey, and Salmon.)
Stork, Henry J., Arlington, Nebr. Lubricant dispensing device. 1,844,989; Feb. 16.
Storm, Adolph, assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Boring machine. 1,862,866; June 14.
Storm, Adolph, and T. Thorsen, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Live center for lathes, grinders and the like. 1,883,075; Oct. 18.
Storm, Adolph, and T. Thorsen, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Universal drive for grinding machines and the like. 1,888,480; Nov. 22.
Storm, Albion, Sherbrooke, Ontario, Canada, assignor to Deere & Company, Moline, Ill. Manure spreader. 1,868,337; July 19.
Storm, Henry, New York, N. Y. Combined ashtray and signal device. 1,886,452; Nov. 8.
Storm Manufacturing Co. (See Johnson, O. A., and Lingren, assignors.)
Storm Manufacturing Co. (See Storm, Adolph, assignor.)
Storm Manufacturing Co. (See Storm, A., and Thorsen, assignors.)
Storm, Miller D., Bouton, Iowa. Tractor wheel attachment. 1,882,373; Oct. 11.
Storm, Raymond W., Waltham Manor, N. Y. Sound and heat insulated flooring. 1,864,774; June 28.
Storms, Frederick, assignor of one-half to P. Joseph, New York, N. Y. Heater. 1,881,557; Jan. 24.
Storr, Bertram V. (See Rich, Earl C., and Storr.)
Story, Bertrand W., Woodbury, N. J., assignor to Vacuum Oil Company, Inc., New York, N. Y. Transformer oil. 1,861,070; Jan. 12.
Story, Frederick A. (See Ford, E. A., and Story.)
Stotlar, Harry. (See Smith, Jesse R., assignor.)
Stotler, Oliver J., Uniontown, Pa. Swing hanger. 1,889,709; Nov. 29.
Stougaard, Roy A., assignor to Packard Motor Car Company, Detroit, Mich. Valve reseating tool. 1,843,181; Feb. 2.
Stougaard, Roy A., assignor to Packard Motor Car Company, Detroit, Mich. Exhaust gas conveyer. 1,879,581; Sept. 27.
Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,858,121; May 10.
Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,880,160; Sept. 27.
Stough, Jay A., Tulsa, Okla., assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Tank roof. 1,883,076; Oct. 18.
Stough Tank Erecting Company, The. (See Du Bois, Virgil L., assignor.)
Stough, Turney H., assignor to Jeannette Steel Corporation, Jeannette, Pa. Cooking pan. 1,865,342; June 28.
Stough, Turney H., assignor to Jeannette Steel Corporation, Jeannette, Pa. Hot plate attachment for griddles. 1,876,358; Sept. 6.
Stoughton Company, The. (See Lubbers, Lubbert E., assignor.)
Stout, Alfred D., and H. F. Mc Nally, Richland Center, Wis. Globe valve reseating tool. 1,871,228; Aug. 9.
Stout, Charles F., assignor to General Electric X-Ray Corporation, Chicago, Ill. Developing tank. 1,867,190; July 12.
Stout, Charles W., assignor to Ainslie Knitting Machine Co. Inc., Brooklyn, N. Y. Knitted article and making same. 1,843,100; Jan. 26.
Stout, Charles W., assignor to Ainslie Knitting Machine Co. Inc., Brooklyn, N. Y. Process of and machine for knitting caps and the like. 1,843,101; Jan. 26.
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Stout, Elmer O., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,864,957; June 28.
Stout, Harry H., Ardsley-on-Hudson, assignor to Copper Deoxidation Corporation, New York, N. Y. Vessel for fire refining. 1,889,426; Nov. 29.
Stout, Harry H., Jr., New York, and W. H. Osborn, Garrison, assignors to Copper Deoxidation Corporation, New York, N. Y. Making brittle cathodes. 1,846,697; Feb. 23.
Stout, Minor W., Kansas City, Mo. Fluid mixing device. 1,879,582; Sept. 27.
Stout, William B., Detroit, Mich. Airplane. 1,842,055; Jan. 19.
Stout, William B., Detroit, Mich. Airplane landing device. 1,857,888; May 10.
Stout, William B., Detroit, Mich. Airplane. 1,859,807; May 24.
Stout, William B., Detroit, Mich. Airplane. 1,880,520; Oct. 4.
Stout, William B., Detroit, Mich. Airplane. 1,880,997; Oct. 4.

Stout, William B., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Airplane. 1,840,643; Jan. 12.

Stout, William B., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Air and water craft and making the same. 1,842,736; Jan. 26.

Stout, William B., Detroit, assignor to Ford Motor Co., Highland Park, Mich. Airplane. 1,862,102; June 7.

Stout, William B., Detroit, assignor to Ford Motor Company, Higland Park, Mich. Airplane. 1,866,680; July 12.

Stout, William B., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Airplane. 1,869,871; Aug. 2.

Stoval, Fred, Monroe, La. Expansible pipe holder. 1,878,725; Sept. 20.

Stover, Clinton W. (See Woodhead, H., and Stover.)

Stover, Emory F., Philadelphia, Pa. Pressure responsive device. 1,855,696; Apr. 26.

Stover, Frank B., assignor to Sky Specialties Corporation, Detroit, Mich. Coupling for rubber covered tubing. 1,862,053; June 14.

Stover, Frank B., assignor to Sky Specialties Corporation, Detroit, Mich. Pressure regulator. 1,866,377; July 5.

Stover, Frank B., assignor to The Sky Specialties Corporation, Detroit, Mich. Tube connection. 1,866,914; July 12.

Stover, Frank B., assignor to Sky Specialties Corporation, Detroit, Mich. Pressure regulator. 1,885,639; Nov. 1.

Stover, Frank B., assignor to Sky Specialties Corporation, Detroit, Mich. Safety valve. 1,891,119; Dec. 13.

Stover, Fred N., New Matamoras, Ohio. Well digging apparatus. 1,868,400; July 19.

Stover, George, J. M. Ames, and E. T. Carroll, assignors to Ames Plant Protection Company, New York, N. Y. Material transferring apparatus. 1,848,979; Mar. 8.

Stover, Herbert F. (See Hunter, R. N., and Stover.)

Stover, Jordan H. (See Parsons, J., and Stover.)

Stover Manufacturing & Engine Co. (See Haller, F. J., and Molter, assignors.)

Stow, Clarence E., Tulsa, Okla. Vehicle signal. Des. 88,267; Nov. 8.

Stow Manufacturing Company. (See Hotchkiss, Clarence F., Jr., assignor.)

Stowe & Woodward Company. (See Eberlein, George H., assignor.)

Stowe-Woodward, Inc. (See Bommer, F. W., and Clarke, assignors.)

Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Hammer. 1,847,278; Mar. 1.

Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Combination shelf bracket and garment hanger rack. 1,856,044; Apr. 24.

Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Three way bending iron. 1,879,583; Sept. 27.

Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Bit or drill holder. 1,880,521; Oct. 4.

Stowell, Harold T., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Purification of diamino-alpha-alpha'-dihydroxy-anthraquinone disulphonic acid dyestuffs. 1,840,644; Jan. 12.

Stowell, Harold T., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of nitroanthraquinone. 1,856,231; May 3.

Stowell, Leonard B., assignor to Stowell Manufacturing Co., Ontario, Oreg. Lawn mower sharpener. 1,878,648; Sept. 20.

Stowell Manufacturing Co. (See Stowell, Leonard B., assignor.)

Stowie, Charles J., Oakland, Calif. Enamel remover. 1,865,799; July 5.

Straatman, Alphons G. H., The Hague, Netherlands, assignor to Naamloose Vennootschap de Bataafsche Petroleum Maatschappij. Apparatus for surveying wells. 1,887,907; Nov. 15.

Strachan, Thomas H., Lynbrook, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Shipping bracket. 1,848,208; Mar. 8.

Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,883,077; Oct. 18.

Strachan, Thomas H., and W. H. Fryer, assignors to Dayton Scale Company, Dayton, Ohio. Weight rack for scales. 1,879,585; Sept. 27.

Strack, Herman. (See Hansmann, P., and Strack.)

Strack, Wm. et al. (See Nill, Edward A., assignor.)

Strackbein, Conrad, assignor of one-third to J. P. Maertz, North Milwaukee, and one-third to J. N. Balthazard and A. Kowaski, Milwaukee, Wis. Railroad crossing gate. 1,842,128; Jan. 19.

Strahan, Robert W., Montclair, N. J. Clothes scrubbing device. 1,891,120; Dec. 13.

Strahm, Adolphe, Lowell, Mich. Rake cleaning device. 1,859,179; May 17.

Straight, Merton T., Des Moines, Iowa. Manufacturing building brick. 1,859,723; May 24.

Strain, Clifford, Jersey City, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Multiple valve. 1,842,804; Jan. 26.

Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl esters. 1,849,647; Mar. 15.

Strain, Eva L., et al. (See Childs, Robert R., assignor.)

Strain, Harry A., and G. E. Steudel, Chicago, Ill. Blast furnace. 1,869,160; Nov. 29.

Strain, John M., et al. (See Childs, Robert R., assignor.)

Strait, Donald W. (See Gray, D. E., and Strait.)

Strait, Wilbur E., Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Coil and method of assembly. 1,859,248; May 17.

Straley, Harold G. (See Taylor, C. W., and Straley.)

Stramaglia, Nicola, Chicago, Ill. Drying basket. 1,887,439; Nov. 8.

Strauss, Roman, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Welding apparatus. 1,862,125; June 7.

Strand, Andrew, and A. B. Hawley, jr., assignors to A. P. Phelps, Minneapolis, Minn. Beverage making machine. 1,869,720; Aug. 2.

Strand, Christian P., Los Angeles, Calif. Trestle assembling device. 1,876,787; Sept. 13.

Strand, Henry, and B. De K. Jackson, Cleveland, Ohio, assignors, by mesne assignments, to Automotive Maintenance Machinery Company, Chicago, Ill. Tool. Re18,659; Nov. 15.

Strandgren, Carl B., Versailles, France. Turbine wheel propeller and motor. 1,885,640; Nov. 1.

Strandlund, Carl G. (See Thorne, William F., assignor.)

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Gauge wheel for plows. 1,842,808 Jan. 26.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Axle cap for plow wheels. 1,855,459; Apr. 26.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,855,733; Apr. 26.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,859,413; May 24.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,859,896; May 24.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,859,942; May 24.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,863,812; June 21.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Two-way plow. 1,864,958; June 28.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,868,390; July 5.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,872,843; Aug. 23.

Strandt, Gustave E., Milwaukee, Wis. Smoking pipe. 1,852,596; Apr. 5.

Strandt, Gustav E., Milwaukee, Wis. Wheel structure. 1,857,746; May 10.

Strandt, Gustav E., assignor to Cherry-Burrell Corporation, Milwaukee, Wis. Machine for applying metal caps to bottles. 1,867,113; July 12.

Strandtwitz, William J., Camden, N. J. Sun car. 1,860,299; May 24.

Strang, Charles B., Lindenwood, Ill. Hoe. 1,875,674; Sept. 6.

Stranszky, Emil, Warren, Pa. Electric resistance heating element. 1,869,629; Aug. 2.

Stranszky, Emil, Warren, Pa., assignor to G. Van Daam, Buffalo, N. Y. Electrical cooking apparatus. 1,887,219; Nov. 8.

Strasburger, Le Roy V., Baltimore, Md. Food compound. 1,859,690; Sept. 6.

Strassheim, Christopher. (See Hawes, Charles L., assignor.)

Stratford, Charles W., Oakland, Calif. Vane valve. 1,859,010; May 17.

Stratford, Charles W., Oakland, Calif. Hot oil pump. 1,866,041; July 5.

Stratford, Charles W., Kansas City, Mo. System of treating hydrocarbon distillates and apparatus used in connection therewith. 1,868,775; July 26.

Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,862,103; June 7.

Stratford, Nathaniel W., assignor to The Beardsley & Piper Company, Chicago, Ill. Mulling apparatus. 1,867,893; July 19.

Stratford, Reginald K., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Treating lubricating oils with phenol. 1,860,823; May 31.

Stratford, Reginald K., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Recovery of solvents used in the purification of hydrocarbons. 1,878,022; Sept. 20.

Stratford, Reginald K., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Treating mineral oils. 1,892,655; Dec. 27.

Stratford, Reginald K., and H. H. Moor, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Purifying petroleum distillates with aqueous phenol and recovery of the same. 1,877,614; Sept. 13.

Strathaus, John, assignor to Oakland Association of Credit Men, Oakland, Calif. Convertible servicing table and tray. 1,875,772; Sept. 6.

Strathmore Paper Company. (See Bryan, Cassius M., assignor.)

Stratmore Company, The. (See Stratford, Herbert R., assignor.)

Stratner, Frederick, Philadelphia, and W. C. Magner, Ardmore, Pa. Constant speed testing device for watthour meters. 1,869,588; Aug. 2.

Stratton, Emil H., Boise, Idaho. String cutter. 1,883,831; Oct. 18.

Stratton, Frank E. (See Huxford, G. T., and Stratton.)

Stratton, Nellie J., Youngstown, Ohio, assignor to The Honey Candy Company of America. Treating honey. 1,854,430; Apr. 19.

Stratton, Richard H., Berkeley, Calif., assignor to Atlas Powder Company, Wilmington, Del. Explosive composition. 1,880,116; Sept. 27.

Straty, Stephen, assignor to A. O. Smith Corporation, Milwaukee, Wis. Forged, main runway construction for pressure vessels. 1,872,357; Aug. 16.

Straub, Francis J., New Kensington, Pa. Block molding machine. 1,849,889; Mar. 15.

Straub, Francis J., New Kensington, Pa. Manufacture of concrete building blocks. 1,862,323; June 7.

Straub, Francis J., New Kensington, Pa. Ceiling slab support. 1,876,359; Sept. 6.

Straub, Francis J., and J. T. Weinzierl, New Kensington, Pa. Preventing back movement in motor vehicles. 1,849,899; Mar. 15.

Straub, Fritz. (See Felix, Friedrich, and Straub.)

Straub, Fritz. (See Schmid, M., and Straub.)

Straub, Fritz, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Chromium compounds of dyestuffs and making same. 1,854,077; Apr. 12.

Straub, Fritz, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Artificial forms or threads to weave and easily dyed and making same. 1,856,033; Apr. 26.

Straub, Fritz, and W. Anderau, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Metal compounds of azo-dyestuffs and making same. 1,843,634; Feb. 2.

Straub, Fritz, Basel, H. Schneider, Riehen, near Basel, and H. Mayer, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing metals and making same. 1,851,119; Mar. 29.

Straub, Fritz, Basel, and W. Hanhart, Riehen, near Basel, assignors to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous dyestuffs and making same. 1,851,119; Mar. 29.

Straub, Fritz, H. Mayer, and W. Anderau, assignors to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs containing chromium and making same. 1,856,796; May 3.

Straub, Fritz, and W. Anderau, assignors to "Society of Chemical Industry in Basle", Basel, Switzerland. Metal compounds of azo-dyestuffs and making same. 1,857,572; May 10.

Straub, Fritz, and W. Anderau, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous dyestuffs and making same. 1,862,439; June 7.

Straub, Fritz, and W. Anderau, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing metals and making same. 1,865,978; July 5.

Straub, Fritz, and W. Anderau, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs containing metal and making same. 1,874,477; Aug. 16.

Straub, Fritz, and H. Mayer, assignors to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous azo-dyestuffs and making same. 1,877,615; Sept. 13.

Straub, Fritz, and W. Anderau, Basel, assignors to the firm Society of Chemical Industry in Basle, of Basel, Switzerland. Azo-dyestuff and making same. 1,877,743; Sept. 13.

Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Chromium compounds of ortho-hydroxy-azo-dyestuffs and making same. 1,879,249; Sept. 27.

Straub, Fritz, Basle, and H. Schneider, Riehen, near Basle, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing metals and making same. 1,885,641; Nov. 1.

Straub, Fritz, Basel, and H. Schneider and H. Bernhard, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Metal compounds of azo-dyestuffs and making same. 1,887,602; Nov. 15.

Straub, Fritz, Basel, and H. Schneider and H. Bernhard, Riehen, near Basel, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Production of metal compounds of azo dyestuffs on animal fibers. 1,887,603; Nov. 15.

Straub, Fritz, W. Anderau, and H. Mayer, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs containing chromium and making same. 1,888,516; Nov. 22.

Straub, Theodore G. (See Sackers, P., Reinhart, and Straub.)

Straubel, C. W., et al. (See Straubel, Frederick L. G., assignor.)

Straubel, Ernest T., Green Bay, Wis. Bundle wrapping device. 1,864,775; June 28.

Straubel, Frederick L. G., Green Bay, Wis. Expanding letter file. 1,839,902; Jan. 5.

Straubel, Frederick L. G., Green Bay, Wis. Filing device. 1,882,457; Oct. 11.

Straubel, Frederick L. G., Green Bay, Wis. Filing cabinet or file box. 1,892,476; Dec. 27.

Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Vertical filing drawer. 1,892,020; Dec. 27.

Straubel, O. C., et al. (See Straubel, Frederick L. G., assignor.)

Straughan, George L., Chesapeake, W. Va. Magnetic fluid level gauge. 1,858,346; May 17.

Straus, Alexander H., Woodmere, N. Y. Bandage. 1,852,677; Oct. 18.

Straus, Alexander H., Woodmere, N. Y. Shroud. 1,890,919; Dec. 13.

Straus, Fritz, Bresslau, and L. Kollek, Mannheim, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Chlorinated and brominated ethine carbinols. 1,841,768; Jan. 19.

Straus, Harry H., New York, N. Y. Cigarette package. 1,864,871; June 28.

Straus, Harry H., New York, N. Y. Cigarette package. 1,864,872; June 28.

Straus, Harry H., New York, N. Y. Cigarette package. 1,864,873; June 28.

Strause-Baer Company, The. (See Baer, Abram K., assignor.)

Strauss, Albert A., Pittsburgh, Pa. Device for foot protection. 1,867,036; July 12.

Strauss, Benno, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Steel article insensible to the action of hot gases, vapors and liquids. 1,876,091; Sept. 6.

Strauss, David, and R. Uhsemann, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing formic acid. 1,848,504; Mar. 8.

Strauss, Donald G., Pontiac, Mich. Eye dropper. 1,855,653; Apr. 26.

Strauss, Joseph B., San Francisco, Calif. Overhead street crossing. Des. 86,338; Feb. 23.

Strauss, Joseph B., San Francisco, Calif. Highway bridge pier. Des. 86,754; Apr. 12.

Strauss, Joseph B., Chicago, Ill. Direction road sign. Des. 87,088; May 31.

Strauss, Joseph B., Chicago, Ill. Eyebar. 1,839,812; Jan. 5.

Strauss, Joseph B., Chicago, Ill. Lifeboat systems, 1,842,572; Jan. 26.

Strauss, Joseph B., Chicago, Ill. Pavement. 1,848,582; Mar. 8.

Strauss, Joseph B., Chicago, Ill. Wheel. 1,862,867; June 14.

Strawn, Adelbert, Vermilion, S. Dak. Clamp for wooden heels. 1,854,078; Apr. 12.

Strawn, Ervin E., Cincinnati, Ohio. Copying agency. 1,845,568; Feb. 16.

Strawn, James A., Brooklyn, N. Y. Smoking pipe. 1,890,920; Dec. 13.

Streamline Cars Limited. (See Burney, Charles D., assignor.)

Streator Cold Storage Door Co. (See Hersch, W. M., and Anderson, assignors.)

Strebe, Melville F., and C. K. Lenning, La Fayette, Ind., and F. W. Zink, Detroit, Mich., assignors to Ross Gear & Tool Co., La Fayette, Ind. Stamped sheet-metal lever. 1,857,573; May 10.

Strebler, George L. (See Peetz, F. W., and Strebler.)

Streck, Joseph G., Pittsburgh, Pa. Illuminating means for telephone calling devices. 1,850,642; Mar. 22.

Strecker, Gerald. (See Kirchner, U., and Strecker.)

Strecker, Gerald, Darmstadt, Germany. Cross cutter. 1,867,335; July 12.

Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat clamp. 1,884,351; Oct. 25.

Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 1,891,960; Dec. 27.

Street, Benford W., Olney, Ill. Transmission. 1,846,532; Feb. 23.

Street, Clement F., Greenwich, Conn., assignor to American Steel Foundries, Chicago, Ill. Grate. 1,872,844; Aug. 23.

Street, Edward T., Bound Brook, N. J., assignor to The Ruberoid Co., New York, N. Y. Automatic roll winding machine. 1,872,018; Aug. 16.

Street, Joshua H., Chattanooga, Tenn. Slackline excavator. 1,892,086; Dec. 27.

Strehlow, Walter F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor. 1,868,474; July 19.

Streicher, Edward G., R. J., and E. M., Ypsilanti, Mich. Shade roller. 1,855,496; Apr. 26.

Streicher, Edward M. (See Streicher, Edward G., R. J., and E. M.)

Streicher, Ralph J. (See Streicher, Edward G., R. J., and E. M.)

Streine, Frank B., assignor to The Streine Tool and Manufacturing Company, New Bremen, Ohio. Friction roller. 1,852,942; Apr. 5.

Streine Tool and Manufacturing Company, The. (See Streine, Frank B., assignor.)

Streit, Albert P., Cachan, France. Making loosening stretches for cables, rods and the like. 1,877,370; Sept. 13.

Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad-Soden-on-the-Taunus, W. Herrmann and F. Fritzsche, Frankfort-on-the-Main-Hoechst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aromatic arsonic acid compound of pyrazolene. 1,841,457; Jan. 19.

Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden-on-Taunus, and W. Herrmann and P. Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Stable aqueous solutions of hydroxy-ethyl-amino salts of 3-acetylamino-4-hydroxybenzenearsonic acid. 1,859,683; May 24.

Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad-Soden-on-the-Taunus, W. Herrmann and P. Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Hydroxy-ethylamino salts of 3-acetylamino-4-hydroxy-benzenearsonic acid. 1,859,684; May 24.

Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden-on-the-Taunus, W. Herrmann and P. Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Bismuth-dithioglycolic acid and the salts thereof and preparing them. 1,864,679; June 28.

Strelitz, Arthur, Milwaukee, Wis. Packaging cigarettes. 1,870,299; Aug. 9.

Strelitz, Franz P. Berlin-Hallensee, Germany. Face-mastiquing apparatus. 1,877,419; Sept. 13.

Strelow, Henry A., assignor to Twentieth Century Machinery Co., Milwaukee, Wis. Unloading machine. 1,856,976; May 3.

Strelow, Wilhelm, Berlin-Zehlendorf-West, Germany. Dry gas meter. 1,878,344; Sept. 20.

Streng, Jan. (See Tillotson, James, jr.)

Streng, Jan. (See Tillotson, J., jr., and Streng.)

Streng, Jan, assignor to Kolster Radio, Inc., New York, N. Y. Radiocabinet. Des. 85,998; Jan. 12.

Streng, Jan, assignor to Kolster Radio, Inc., New York, N. Y. Radiocabinet. Des. 86,647; Mar. 29.

Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe thread protector. 1,858,483; Jan. 19.

Stresau, Richard, Wauwatosa, assignor to Swifton Manufacturing Company, West Allis, Wis. Feed-milling apparatus. 1,840,749; Jan. 12.

Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Manufacturing thick walled pressure vessels by electrical welding. 1,864,156; June 21.

Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 1,865,199; July 26.

Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Embossing metal plates. 1,872,193; Aug. 16.

Stresau, Richard, Wauwatosa, and J. J. Chyle, assignors to A. O. Smith Corporation, Milwaukee, Wis. Metallic arc welding electrode. 1,857,521; May 10.

Stretch, Carl B., Bridgeton, N. J. Machine for handling canned goods. 1,883,078; Oct. 18.

Streuber, Friedrich. (See Schuhmann, H., and Streuber.)

Streuber, Hans H., Bronx, N. Y. Producing mechanical negatives. 1,878,023; Sept. 20.

Streuli, Werner R. (See Marti, O. K., Winograd, and Streuli.)

Streun, John A., Sherman, Tex., assignor to Hardwicke-Etter Company. Cotton gin rib. 1,849,773; Mar. 15.

Streun, John A., assignor to Hardwicke Etter Company, Sherman, Tex. Feeder for hully cotton. 1,868,030; July 19.

Strezynski, George J., and N. A. Fraser, Poughkeepsie, assignors to The De Laval Separator Company, New York, N. Y. Producing concentrated and purified rubber latex. 1,885,154; Nov. 1.

Strichow, Karl, Berlin, Germany. Device for measuring and recording liquids in a predetermined quantity. 1,846,280; Feb. 23.

Strichow, Karl, Vetschau, Germany. Apparatus with a rotatable tilting drum for drawing off liquids. 1,846,281; Feb. 23.

Strickhouser, Sherman I., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber and product thereof. 1,840,983; Jan. 12.

Strickland, David J., Beacon, assignor to H. P. Ramsdell, trustee, Newburgh, N. Y. Brick mold. 1,854,079; Apr. 12.

Strickland, Royce M., assignor to The Geometric Tool Company, New Haven, Conn. Convertible rotary and nonrotary self-opening die-head. 1,867,191; July 12.

Strickland, Royce M., assignor to The Geometric Tool Company, New Haven, Conn. Self opening die-head. 1,867,192; July 12.

Strickland, David J., Beacon, assignor to H. P. Ramsdell, trustee, Newburgh, N. Y. Brick molding. 1,888,398; Nov. 22.

Strickland, Silas A., assignor to Bower Roller Bearing Company, Detroit, Mich. Gauging machine. 1,882,374; Oct. 11.

Strickland, Silas A., assignor to Bower Roller Bearing Co., Detroit, Mich. Punch and die for roller bearing cages. 1,883,079; Oct. 18.

Strickland, Silas A., and T. Zimmerman, Detroit, Mich., assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinder. 1,850,054; Mar. 15.

Strickland, Silas A., and T. Zimmerman, Detroit, Mich., assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Feeding mechanism for grinders. 1,851,265; Mar. 29.

Strickler, John R., and S. A. Fraine, Akron, Ohio, assignors to Taylor Instrument Companies, Rochester, N. Y. Apparatus for the vulcanization of rubber tires and tubes. 1,887,250; Nov. 8.

Strickler, John R., and S. A. Fraine, Akron, Ohio, assignors to Taylor Instrument Companies, Rochester, N. Y. Apparatus for vulcanizing rubber tires, tubes, and the like. 1,887,251; Nov. 8.

Strickler, Albert, Philadelphia, H. Comer, Cynwyd, and A. H. Zifferblatt, Philadelphia, assignors, by mesne assignments, to Henal Company, Wilmington, Del. Treating cutaneous affections. 1,874,140; Aug. 30.

Strickler, Arthur G., Long Beach, Calif. Concrete reinforcing steel tie. 1,890,757; Dec. 13.

Strickler, John C. (See Gray, J. A., and Strickler.)

Strickler, John C., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Suction cup. 1,870,694; Aug. 9.

Striebie, Edward J., Miles City, Mont. Stump burner. 1,849,206; Jan. 12.

Strieffler, Heinrich, Landau, Germany. Airship mast. 1,847,634; Mar. 1.

Strigel, Robert, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin, Siemensstadt, Germany. Electric gas purifying plant. 1,878,024; Sept. 20.

Strigl, Karl J., New York, N. Y. Transmission mechanism. 1,892,021; Dec. 27.

Strindberg, Richard, Trafford, Pa., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Sludge remover for self-cleaning air filters. 1,843,182; Feb. 2.

Strindlund, John, Tofte I Hurum, Norway, assignor to Chemipulp Process, Inc. Apparatus for recovering acid and heat units thereof from digesters and for preparing digester liquor. 1,862,243; June 7.

Strindlund, John, Tofte I Hurum, Norway. Screw press and the like. 1,896,755; Nov. 8.

Stringer, Alfred E., Chicago, Ill. Expansion means for bell and spigot pipes. 1,867,775; July 19.

Stringer Brothers Company. (See Robertson, O. W., and Cashners, assignees.)

Stringfellow, Henry A. (See Smith, F. H., and Stringfellow.)

Stringfield, William H. Dehydrator for preservation of human bodies after decease. 1,878,649; Sept. 20.

Strite, Lloyd C., Minneapolis, Minn. Electric waffle iron. 1,882,966; Nov. 15.

Strnad, Louis, Chicago, Ill. Junction box and cover. 1,862,324; June 7.

Strnad, Louis G., Chicago, Ill. Curtain bracket. 1,870,148; Aug. 2.

Strobach, Otto and P. A. Wickmann, Leipzig, Germany. Method for the extraction of tea aroma. 1,868,999; July 26.

Strobell, John D. (See Hulse, G. E., and Strobell.)

Strobell, Charles W., San Diego, Calif. Ornithopter. 1,884,909; Oct. 25.

Strober, Ludwig, Munich, Germany. Lock nut. 1,866,067; July 5.

Strobino, Carl J., Tarentum, assignor to Allegheny Steel Company, Breckenridge, Pa. Electrical steel. 1,887,339; Nov. 8.

Strobridge, William, assignor to The Bartlett Hayward Company, Baltimore, Md. Sequence controlling device. 1,870,933; Aug. 9.

Strobridge, William, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 1,864,680; June 28.

Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Press. 1,865,151; June 28.

Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Pad for garment pressing machines. 1,870,934; Aug. 9.

Stroburg, Clark E. and G. O., Blockton, Iowa. Corner plow. 1,857,484; May 10.

Stroburg, Glen O. (See Stroburg, Clark E. and G. O.)

Strocchi, Natale, and F. Minardi, Ravenna, Italy. Lifeboat. 1,869,523; Aug. 2.

Strochalen, Alexander, San Diego, Calif. Garage door opening and closing apparatus. 1,858,942; May 17.

Strock, Joseph H., Los Angeles, Calif. Reamer and reamer chuck for pipe threading devices. 1,863,034; June 14.

Stroebel, Richard. (See Hentrich, W., Hilger, and Stroebel.)

Stroecker, Monroe D. B., Detroit, Mich. Flash light device. 1,858,691; May 17.

Stroedter, Karl, assignor to the Firm: Gebr. Eickhoff Maschinenfabrik, Bochum, Germany. Electrically actuating machinery. 1,891,847; Dec. 20.

Strohach, Paul, Firm. (See Keller, Georg, assignor.)

Strohacker, Louis, assignor to Structo Manufacturing Company, Freeport, Ill. Heddle frame. 1,873,726; Aug. 23.

Ströher, Karl, Rothenkirchen, Germany. Hair roll. 1,885,386; Nov. 1.

Ströher, Karl G., Rothenkirchen in Vogtland, Germany. Hair curler. 1,857,677; May 24.

Ströher, Karl G., Rothenkirchen in Vogtland, Germany. Hair clamp. 1,875,949; Sept. 6.

Strom, Herbert, Clinton, N. J., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump. 1,877,617; Sept. 13.

Strombeck, Carl O., assignor to Edgerton Manufacturing Company, Plymouth, Ind. Shipping basket. 1,840,373; Jan. 12.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Bergmann, Charles H., assignor.)

Stromberg-Carlson Telephone Manufacturing Company. (See Fitzgerald, John H., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Graham, Virgil M., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Levis, John H., jr., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Olney, Benjamin, assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Stromberg-Carlson Telephone Manufacturing Company. (See Stockton, Jack P., assignor.)

Stromberg-Carlson Telephone Manufacturing Company. (See Worthington, Everett, assignor.)

Stromberg Electric Company. (See Ostler, Ernest S., assignor.)

Stromberg Motor Devices Co. (See Dienner, John A., assignor.)

Stromgren, Charles D., Los Angeles, Calif. Valve stem fitting fixture. 1,873 067; Aug. 23.

Strong, Archie H., Norristown, assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Refrigerating system. 1,884,352; Oct. 25.

Strong, Archie H., Norristown, assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Refrigerating system. 1,884,353; Oct. 25.

Strong, Arthur J., Detroit, Mich. Grinding machine. 1,862,800; June 14.

Strong, Arthur J., Detroit, Mich. Junction box. 1,862,811; June 14.

Strong, Arthur P., Chicago, Ill., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft bearing. 1,877,206; Sept. 13.

Strong, Arthur P., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Conveyor roll. 1,883,422; Oct. 18.

Strong, Charles E. Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube circuit. 1,848,209; Mar. 8.

Strong, Charles W., Seattle, Wash. Golf service standard. Des. 86,491; Mar. 8.

Strong, Chester F., Miami, Fla. Power generating system. 1,866,494; July 5.

Strong, Harry J., assignor to Trimpak Corporation, New York, N. Y. Rim for windows, doors, etc. 1,849,412; Mar. 15.

Strong, Herbert T., Chatham, N. J. Theater floodlight. 1,885,642; Nov. 1.

Strong, Leslie P., Lakewood, assignor to The Clark Manufacturing Company, Cleveland, Ohio. Steam trap. 1,839,003; Jan. 5.

Strong, Leslie P., Lakewood, assignor to The Clark Manufacturing Company, Cleveland, Ohio. Steam trap. 1,870,660; Aug. 9.

Strongson, Herman L., New York, N. Y. Shielded tube and socket. 1,885,782; Nov. 1.

Strosacker, Charles J., and W. T. Stephenson, assignors to The Dow Chemical Company, Midland, Mich. Continuous method of making alkali-metal acetates. 1,866,328; July 5.

Strosacker, Charles J., C. C. Kennedy, and E. L. Pelton, assignors to The Dow Chemical Company, Midland, Mich. Preparing acetates. 1,866,329; July 5.

Strosacker, Charles J., C. C. Kennedy, and E. L. Pelton, assignors to The Dow Chemical Company, Midland, Mich. Making alkali-metal acetates. 1,866,430; July 5.

Strosacker, Charles J., and E. L. Pelton, assignors to The Dow Chemical Company, Midland, Mich. Making salts of aliphatic acids. 1,884,354; Oct. 25.

Strosnider, Luther, Osage, Kans., assignor of one-fourth to J. M. Everts, Centralia, Kans.; one-fourth to Edward Miller, and one-fourth to H. A. Grutzmacher, Osage, Kans. Earth boring tool. 1,862,068; June 7.

Strothmann, Theodore, Milwaukee, Wis. Hill draining system. 1,866,826; July 12.

Strothotte, Maurice A., New York, N. Y. Tubular chimes. 1,839,003; Nov. 8.

Stroud, David H., jr., Haverford, Pa. Chenille cutting apparatus. 1,844,612; Feb. 9.

Stroud, Francis H., assignor to George W. Graetz, Seattle, Wash. Brake tester for motor vehicle wheels. 1,888,639; Nov. 22.

Stroud, William A., Wilkesboro, N. C. Drink mixer. Des. 87,893; Oct. 4.

Stroud, William A., Wilkesboro, N. C. Drink mixer. 1,846,405; Feb. 23.

Stroup, Charles L., Oak Park, Ill. Insulator. 1,869,397; Aug. 2.

Stroup, Harry B., Alamosa, Colo. Bacon press. 1,864,101; June 21.

Strout, Archie L., and E. E. Lyder, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif. Process and apparatus for manufacturing finely divided carbon. 1,872,519; Aug. 16.

Strout, Ralph C., Wollaston, Mass., assignor to The White Tar Company of New Jersey. Garment bag. 1,875,773; Sept. 6.

Strout, Robert W., Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Machine element. 1,868,181; July 19.

Strowger Telephone Securities, Inc. (See Strowger, Walter S., assignor.)

Strowger, Walter S., Livonia, N. Y., assignor to Strowger Telephone Securities, Inc., Wilmington, Del. Automatic telephone switch. 1,884,910; Oct. 25.

Struble, R. C., Company, Inc. (See Struble, Robert C., assignor.)

Struble, Robert C., assignor to R. C. Struble Company, Inc., Seattle, Wash. Flight control for aeroplanes. 1,875,675; Sept. 6.

Struck, Frederick A., and A. Reinhardt, Denver, Colo. Automobile trunk. Des. 86,286; Feb. 16

Struckman, Edmund F. (See Tyler, A. G., and Struckman.)

Struckmeyer, Frank P. J., San Francisco, Calif. Window construction. 1,879,586; Sept. 27.

Structo Manufacturing Company. (See Strohacker, Louis, assignor.)

Structural Gypsum Corporation. (See Amoss, Walter, assignor.)

Structural Gypsum Corporation. (See Cannon, James P., assignor.)

Structural Gypsum Corporation. (See Davis, Clarke F., assignor.)

Structural Gypsum Corporation. (See Davis, C. F., and Saunders, assignors.)

Structural Gypsum Corporation. (See Mortimer, Charles G., assignor.)

Structural Gypsum Corporation. (See Porter, J. M., and Hoody, assignors.)

Structural Products Corporation. (See Witty, George, assignor.)

Strufe, Otto, Dwight, Ill. Refrigerator. 1,884,355; Oct. 25.

Struss, Henry W., New York, N. Y. Spring construction. 1,846,981; Feb. 23.

Struthers, Harry R. (See Schieffele, Charles J., assignor.)

Struthers, James A., Minneapolis, Minn. Hosiery or the like. Des. 86,339; Feb. 23.

Struthers, James A., Minneapolis, Minn. Hosiery or the like. Des. 86,491; Mar. 8.

Struthers, James A., Minneapolis, Minn. Hosiery or the like. Des. 86,492; Mar. 8.

Struthers, James A., Minneapolis, Minn. Hosiery or the like. Des. 86,493; Mar. 8.

Struthers, James A., Minneapolis, Minn. Hosiery or the like. Des. 86,648; Mar. 29.

Struthers Wells-Titusville Corporation. (See How, Harlan W., assignor.)

Struve, Frederick E., Philadelphia, Pa. Stocking. Des. 85,699; Jan. 12.

Struve, Frederick E., Philadelphia, Pa. Stocking. Des. 87,312; Sept. 20.

Struve, Frederick E., Philadelphia, Pa. Stocking. Des. 87,313; Sept. 20.

Struve, Frederick E., assignor to Apex Hosiery Company, Philadelphia, Pa. Full fashioned clocked hosiery and production. 1,859,318; May 24.

Stryke, Mark H., Brooklyn, N. Y. Separable fastening device. 1,875,950; Sept. 6.

Stryker, Albert R., St. Joseph, Mo. Gas producing apparatus. 1,855,034; Apr. 19.

Stryker, George B., jr., assignor to The Weatherford Products Company, Memphis, Tenn. Making shingles. 1,860,060; May 24.

Stuart, Charles H., Newark, N. Y. Safety razor. 1,852,708; Apr. 5.

Stuart, Charles J., Cheshire, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Finned-tube radiator and the like. 1,886,066; Nov. 1.

Stuart, Clyde W., New York, N. Y. Cutter for eggs, vegetables and the like. 1,868,401; July 19.

Stuart, Clyde W., New York, N. Y. Fibre container. 1,871,567; Aug. 16.

Stuart, Frank J., St. Louis, Mo. Display package. 1,854,159; Feb. 9.

Stuart, Frank J., St. Louis, Mo. Pad mounting. 1,858,943; May 17.

Stuart, Frank J., St. Louis, Mo. Surgical support. 1,878,913; Sept. 20.

Stuart, Frederick J., London, England, assignor of one-half to A. S. Cheston, Birmingham, England. Vehicle window. 1,842,699; Jan. 26.

Stuart, Frederick J., assignor of one-half to Arthur S. Cheston, Birmingham, England. Sliding window. 1,867,776; July 19.

Stuart, Henry B., assignor to Whitin Machine Works, Whitinsville, Mass. Spinning ring and shield. 1,861,249; May 31.

Stuart, Henry J., New Haven, Conn. Hose supporter button. 1,857,983; May 10.

Stuart, James, C. S., Monkseaton, Northumberland, England, assignor to Sir W. G. Armstrong, Whitworth & Company, Limited, Newcastle-upon-Tyne, England. Cam gear. 1,856,667; May 3.

Stuart, John D., South Euclid, Ohio. Manicuring machine. Des. 86,287; Feb. 16.

Stuart, John D., South Euclid, Ohio. Lamp globe. Des. 87,440; July 19.

Stuart, Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cathode-diaphragm structure. 1,855,497; Apr. 26.

Stuart, Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cathode-diaphragm structure. 1,862,244; June 7.

Stuart Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. 1,862,245; June 7.

Stuart, Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Production of electrolytic cathode-diaphragm structures. 1,855,152; June 28.

Stuart, Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. 1,866,065; July 5.

Stuart, Nicholas H., assignor to Remington Rand Inc., Buffalo, N. Y. Bookbinder. 1,876,360; Sept. 6.

Stuart, Robert W. (See McIntyre, A. H., and Stuart.)

Stuart, T., & Son Company. (See Lawrence, Beardsley, assignor.)

Stuart, Thomas, Erdington, Birmingham, assignor of one-half to Dunlop Rubber Company Limited, Birmingham, England, and one-half to Jean R. Lacoste, Sylvestere Courreiye, Seine, France. Propelling apparatus applicable particularly to the propelling of lawn tennis balls and other game missiles and the like. 1,863,035; June 14.

Stuart Utilities Corp. (See Speirs, Stuart, assignor.)

Stubblefield, Buford M. (See Heist, C. H., and Stubblefield.)

Stubblefield, Charles C., Bradleyville, Mo. Window shade and curtain bracket. 1,884,911; Oct. 25.

Stubbs, Charles H., assignor to Dempsey Company of America, Boston, Mass. Tube coating brush. 1,863,950; June 21.

Stubbs, Cless E., and E. D. Brooks, Riverside, Calif. Shook arranger. 1,864,776; June 28.

Stubbs, Herbert R., assignor to The Lafayette Company, Inc., Baltimore, Md. Container. 1,868,220; July 5.

Stubenberg, Arthur F., Honolulu, Hawaii. Agricultural machine. 1,877,078; Sept. 13.

Stuber & Kuck Co. (See Kuck, H. G., and Abele, assignor.)

Stuber, Walter J., assignor to Carey-McFall Co., Philadelphia, Pa. Curtain pull. 1,892,087; Dec. 27.

Stuber, William G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. 1,846,230; Feb. 23.

Stuck, William H., Ventura, assignor to Kilefer Manufacturing Corporation, Ltd., Los Angeles, Calif. Offset implement. 1,873,359; Aug. 23.

Stuck, William H., Los Angeles, Calif. Flower holder. Des. 88,002; Oct. 18.

Stuckeman, William F., assignor to H. B. Rouse & Company, Chicago, Ill. Cutting tool. 1,857,795; May 10.

Stuckeman, William F., assignor to H. B. Rouse & Company, Chicago, Ill. Gauge. 1,887,220; Nov. 8.

Stuckert, Feliz J. (See Briggs, S. F., and Stuckert.)

Stuckey, A. J., et al. (See Davis, Louis, jr., assignor.)

Stuckey, Robert B., assignor to W. A. Riddell Company, Bucyrus, Ohio. Mold feeding device for brick presses. 1,872,520; Aug. 16.

Stuckey, Robert B., assignor to The W. A. Riddell Company, Bucyrus, Ohio. Mechanism for feeding dissimilar material to molds in brick presses. 1,872,521; Aug. 16.

Stuckey, Robert B., assignor to W. A. Riddell Company, Bucyrus, Ohio. Making artificial stone brick. 1,872,522; Aug. 16.

Stuckey, Robert B., assignor to W. A. Riddell Company, Bucyrus, Ohio. Handling machine. 1,884,356; Oct. 25.

Stuckey, Samuel G., assignor to Pittsburgh Plate Glass Company, St. Louis, Mo. Combined glass puddler and feeder. 1,884,357; Oct. 25.

Studebaker Corporation, The. (See Breneman, Paul E., assignor.)

Studebaker Corporation. (See Henry, Frederick, assignor.)

Studebaker Corporation. (See Hughes, James R., assignor.)

Studebaker Corporation, The. (See Kohr, Robert F., assignor.)

Studebaker Corporation, The. (See Lindsay, Alexander R., assignor.)

Studebaker Corporation, The. (See Link, Vincent, assignor.)

Studebaker Corporation, The. (See Newcomb, Edward C., assignor.)

Studebaker Corporation, The. (See Paten, Clyde R., assignor.)

Studebaker Corporation, The. (See Paton, C. R., and James, assignors.)

Studebaker Corporation, The. (See Smith, Harry G., assignor.)

Studebaker Corporation, The, et al. (See Stipes, R. W., and Hoose, assignors.)

Studebaker Corporation, The. (See Sullivan, Perry W., assignor.)

Stuebing, William, jr., Cincinnati, Ohio. Lifting truck. 1,849,354; Mar. 15.

Stuebing, William, jr., Cincinnati, Ohio. Lift truck. 1,878,726; Sept. 20.

Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,844,875; Feb. 9.

Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,844,876; Feb. 9.

Stuebing, William, jr., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,865,717; July 5.

Stuebing, William, jr., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 1,884,058; Oct. 25.

Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,885,649; Nov. 1.

Stuenkel, Edward F. (See Krage, Elmer C., assignor.)

Stuf, Kohlenstaubfeuerung Patentverwertung G. m. b. H. (See Rosen, Richard, assignor.)

Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Work clamp for slicing machines. 1,847,315; Mar. 1.

Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feeding mechanism for slicing machines. 1,856,635; May 3.

Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Work support guide for slicing machines. 1,867,356; July 12.

Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bread slicing machine. 1,884,912; Oct. 25.

Stüken, Hubert, Wuppertal-Langerfeld, Germany. Wall tile covering. 1,854,772; Apr. 19.

Stukenborg, Louis C., Memphis, Tenn. Hydraulic jack. 1,853,095; Apr. 12.

Stukenborg, Louis C., Memphis, Tenn. Hydraulic elevator. 1,853,096; Apr. 12.

Stukenborg, Louis C., Memphis, Tenn. Fueling system. 1,867,602; July 19.

Stukenborg, Louis C., Memphis, Tenn. Table for vehicle lifts. 1,869,283; July 26.

Stukenborg, Louis C., assignor to Standard Lift Company, Memphis, Tenn. Multiple plunger lift. 1,886,253; Nov. 1.

Stukenborg, Louis C., assignor to Oildraulic Lift Company, Memphis, Tenn. Automobile lift. 1,889,183; Nov. 29.

Stukes, Horace A., and Ira Dennis, assignor to E. V. Hardway, Harris County, Tex., as trustee for H. M. Duncan, R. Pearson, and B. H. Johnston. Fuel feeding device. Re18,509; June 28.

Stulik, Ernest, Buffalo, N. Y. Display stand. Des. 87,031; May 24.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming articles. 1,841,422; Jan. 19.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming articles. 1,855,874; Apr. 26.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming articles. 1,855,930; Apr. 26.

Stull, John S., Chicago, and J. W. King, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming articles. 1,883,080; Oct. 18.

Stull, Philip. (See Yost, E., and Stull.)

Stultz, Carl, Wichita, Kans. Lawn edger. 1,844,190; Feb. 9.

Stulz-Sickles Company. (See Payne, Burt H., assignor.)

Stump, Earl, assignor to Roberts and Schaefer Company, Chicago, Ill. Hydraulic cleaner control. 1,855,895; Apr. 26.

Stumpf, Walter C., Los Angeles, Calif. Soil changing plow. 1,864,262; June 21.

Stunz, Bessie W. (See Sarver, Emmett F., assignor.)

Stunz, William P., Lansdowne, Md., assignor to Safe Deposit and Trust Company of Baltimore, trustee. Telephonic instrument for reproducing sound vibrations. 1,843,845; Feb. 2.

Stupar, Max, Buffalo, and G. A. Page, jr., Freeport, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Clamp. 1,882,305; Oct. 11.

Sturbelle, Lucien C., Stockel, near Brussels, Belgium. Centrifugal variable speed gear. 1,878,737; Sept. 20.

Sturdevant, Edward N., et al. (See Gunn, James B., assignor.)

Sturges, Frederic D., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Floor system. 1,890,921; Dec. 13.

Sturges, Perley C., Bronxville, N. Y. Mooring device. 1,852,629; Apr. 5.

Sturgis, Edward, jr., Boston, Mass. Phonograph record. 1,877,079; Sept. 13.

Sturgis, Fredrick C., Irvington, N. J. Lapping machine. 1,886,919; Nov. 8.
Sturgis, La Verne C., Springfield, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Incubator. 1,868,857; July 26.
Sturgis, La Verne C., and C. E. Crain, Springfield, assignors, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Hygrometer. 1,839,903; Jan. 5.
Sturgis Fosture Chair Company. (See Huntley, Reginald C., assignor.)
Sturgis, William B., Chicago, Ill. Oil burner. 1,840,137; Jan. 5.
Sturgis, William B., Chicago, Ill. Automatic draft regulation. 1,848,850; Mar. 8.
Sturm, Joseph, Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Drawer locking mechanism. 1,841,220; Jan. 12.
Sturm, Rudolph, St. Paul, Minn. Nonslipping plate holder. 1,883,081; Oct. 18.
Sturm, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Carburetor. 1,840,279; Jan. 5.
Sturm, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Carburetor. 1,857,889; May 10.
Sturm, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Carburetor. 1,884,359; Oct. 25.
Sturm, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Carburetor. 1,884,360; Oct. 25.
Sturn, Justin, Westport, Conn. Opening and closing device for garage doors. 1,851,784; Mar. 29.
Sturni, Charles, Pittsburgh, and J. H. Smith, Camp Hill, Pa. Expansion bit. 1,890,889; Dec. 13.
Sturrock, Archibald, Victoria, British Columbia, Canada. Logging car. 1,854,001; Apr. 12.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Sturtevant, B. F., Company. (See Anderson, S. M., and Palmer, assignors.)
Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
Sturtevant, B. F., Company. (See Davis, Jesse H., assignor.)
Sturtevant, B. F., Company. (See Derry, Gardner C., assignor.)
Sturtevant, B. F., Company. (See Goldthwaite, George R., assignor.)
Sturtevant, B. F., Company. (See Hagen, Harold F., assignor.)
Sturtevant, B. F., Company. (See Healy, William F., assignor.)
Sturtevant, Harold V., Scranton, Pa. Breathing apparatus. 1,873,160; Aug. 23.
Sturtevant, Harold V., Scranton, Pa. Breathing apparatus. 1,880,936; Oct. 4.
Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,853,942; Apr. 12.
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,872,565; Aug. 16.
Sturtz, James A., Albert Lea, Minn. Fruit and vegetable spoon. 1,839,712; Jan. 5.
Sturtz, William J. A., jr., Elmwood Park, Ill. Measuring device. 1,850,901; Mar. 22.
Stusser, Richard. (See Hentrich, W., Hardtmann, Knoche, and Stusser.)
Süsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparing chromium compounds of azo-dyestuffs. 1,843,376; Feb. 2.
Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,851,120; Mar. 29.
Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Substantive azo dyestuffs. 1,851,121; Mar. 29.
Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Trisazo dyestuffs. 1,852,032; Apr. 5.
Stüsser, Richard, Cologne-Deutz, and K. Wiedemann, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Copper containing disazo dyestuffs. 1,889,732; Nov. 29.
Stutsman, Fred A., and J. Dixon, Divernon, Ill. Spare tire carrier. 1,849,855; Mar. 15.
Stutson, Willis, Winnetka, Ill. Dovetail. 1,840,061; Jan. 5.
Stutts. Robert T. (See Davis, F. W., jr., and Stutts.)
Stutz-Bens, Emil, Landsberg/Warthe, Germany. Bobbin-bank movement for spinning machines. 1,840,923; Jan. 12.
Styer, Charles A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating material. 1,872,858; Aug. 16.
Styslinger, Leo J., assignor to Auto Truck Equipment Company, Pittsburgh, Pa. Truck body. 1,857,796; May 10.
Styslowsky, Andrew, Astoria, N. Y. Musical instrument. 1,891,848; Dec. 20.
Suarez, Joseph M., Hamden, Conn. Motor conveyer. 1,845,529; Feb. 16.
Suber, John C., Deshler, Ohio. Furnace. 1,869,228; July 26.
Subick, George, Chicago, Ill. Garment hanger frame. 1,846,918; Feb. 23.
Subick, George, Chicago, Ill. Supporting and display rack. 1,869,226; July 26.
Subkow, Philip, Los Angeles, Calif. Method and apparatus for gas lift. 1,856,891; May 3.
Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. High vacuum steam distillation. 1,848,051; Mar. 1.
Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for rectifying vapors. 1,854,002; Apr. 12.
Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Rectification column. 1,862,069; June 7.
Subkow, Philip, and J. J. Kogan, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for gas lift control. 1,856,892; May 3.
Sublette, William M. (See Small, C. M., Sublette, and Bochmer.)
Submarine Signal Company. (See Beers, Roland F., assignor.)
Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
Submarine Signal Company. (See Hubbard, Beverly R., assignor.)
Submarine Signal Corporation. (See Williams, Robert L., assignor.)
Suchy, Robert. (See Pistor, G., Suchy, Staib, and Moschel.)
Sucio, Mary N., Flint, Mich. Portable rubbish consumer. 1,891,069; Dec. 13.
Suckow, Fred G., Depew, assignor to The Symington Company, New York, N. Y. Cushioning mechanism. 1,854,913; Oct. 25.
Sudbrink, William, New York, N. Y. Glare shield for vehicles. 1,868,031; July 19.
Süddeutsche Bremsen-Aktiengesellschaft. (See Suder, H., and Goth, assignors.)
Süddeutsche Eisenbahngesellschaft. (See Montrose-Oster, Louis-Eugene-Wigbert, Baron.)
Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Valve actuator. 1,857,266; May 10.
Suder, Georges, Pantin, France. Switch. 1,886,756; Nov. 8.
Suder, Heinz, and Max Goth, assignors to Süddeutsche Bremsen-Aktiengesellschaft, Munich, Germany. Internal combustion engine. 1,887,072; Nov. 8.
Sueckoff, Louis A., Wilmette, Ill. Spring assembly for upholstery. 1,875,521; Sept. 6.
Suellow, Alfred G., and C. Wolford, assignors to Felins Tying Machine Company, Milwaukee, Wis. Vegetable root washer. 1,867,134; July 12.
Suellow, Emil O., and J. Meidl, Oshkosh, Wis., assignors, by mesne assignments, to The Belber Trunk & Bag Company, Woodbury, N. J. Drawer locking mechanism for trunks. 1,870,149; Aug. 2.
Suellow, Emil O., and J. Meidl, Oshkosh, Wis., assignors, by mesne assignments, to The Belber Trunk & Bag Company, Woodbury, N. J. Drawer locking mechanism for trunks. 1,870,150; Aug. 2.
Sueper, Mary T., Lindsay, Nebr. Device for applying rubber rings to hot fruit jars. 1,863,704; June 21.
Sueper, Mary T., Lindsay, Nebr. Chick protector for watering devices. 1,874,141; Aug. 30.
Sueta, Julian, and A. M. Guastavino, Buenos Aires, Argentina. Molder for painting the lips. 1,890,628; Dec. 13.
Sugar Beet and Crop Syrups Limited. (See Melrose, W. K., and Stead, assignors.)
Sugar, Gertrude, et. al. (See Sugar, Solomon S., assignor.)
Sugar, Jessie, et al. (See Sugar, Solomon S., assignor.)
Sugar, Phil, et al. (See Sugar, Solomon S., assignor.)
Sugar, Solomon S., assignor of nine-twentieths to P., J., and G. Sugar, New York, N. Y. Sound studio. 1,881,146; Oct. 4.
Sugden, Walter J. (See Cobb, Eugene A., assignor.)
Sugiura, Takeshi, Komagome, Hongo-Ku, Tokyo, Japan. Venetian blind. 1,882,782; May 29.
Sugiyama, Torao, J. Ushiki and Y. Okabe, Mayebashi, Japan. Replenishing a supply of cocoons automatically. 1,886,757; Nov. 8.
Sulda, Hermann, Modling, near Vienna, Austria. Production of concentrated acetic acid. 1,855,072; Apr. 19.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Oscillator generator. 1,877,703; Sept. 13.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Control of constant current circuits. 1,885,155; Nov. 1.
Suits, Chauncey G., Schenectady, N. Y., and M. E. Dunlap, Madison, Wis. Moisture indicating instrument for wood. 1,875,359; Sept. 6.
Sukoff, Morris, Brooklyn, N. Y. Container. 1,862,868; June 14.
Sukohl, Heinrich. Berlin-Waidmannslust, Germany. Screw propeller for use upon aircraft. 1,857,678; May 10.

Sukohl, Heinrich, assignor to the Firm Gustav Schwarz G. m. b. H., Berlin-Waldmannslust, Germany. Propeller for aircraft. 1,860,557; May 31.

Sukmanian, Thomas W., Los Angeles, Calif. Light sensitive device. 1,880,289; Oct. 4.

Sulecio, Salvador A., San Francisco, Calif. Protective paint. 1,852,761; Apr. 5.

Sullivan, Albert V., Oakland, assignor to Eagle Nailing Machine Co. Ltd., San Francisco, Calif. Box binding machine. 1,868,132; July 19.

Sullivan, Daniel J., Graniteville, Mass. Insect trap. 1,857,890; May 10.

Sullivan, Edward E., Fall River, Mass. Window shade and curtain fixture. 1,873,506; Aug. 23.

Sullivan, Edward G., assignor to Joseph S. Belt, Amarillo, Tex. Heat exchanger. 1,852,489; Apr. 5.

Sullivan, Edward G., assignor to Joseph S. Belt, Amarillo, Tex. Heat exchanger. 1,852,490; Apr. 5.

Sullivan, Frederick W., jr., assignor to Standard Oil Company, Whiting, Ind. Textile oil. 1,871,927; Aug. 16.

Sullivan, Frederick W., jr., Whiting, Ind., and W. J. McGill, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Low cold test lubricating oil. 1,870,074; Aug. 2.

Sullivan, Frederick W., jr., and M. H. Arveson, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricating grease. 1,871,864; Aug. 16.

Sullivan, George C., El Paso, Tex. Aeroplane. 1,872,845; Aug. 23.

Sullivan, Harry H., Rochester, N. Y. Variable speed driving mechanism for automatic printers and finishers for sensitized material. 1,860,212; May 24.

Sullivan, James H., Swampscott, Mass., assignor to General Electric Company. Silica window pane. 1,852,864; Apr. 5.

Sullivan, Jeremiah A., Brooklyn, N. Y. Ignition switch. 1,847,793; Mar. 1.

Sullivan, John L., Jersey City, N. J. Window dressing accessory. 1,850,515; Mar. 22.

Sullivan, Josiah, Dallas, Tex. Hose coupler. 1,858,646; May 17.

Sullivan, Julius C., assignor to Gulf Refining Company, Pittsburgh, Pa. Tank car construction. 1,846,768; Feb. 23.

Sullivan Machinery Company. (See Allen, Morris C., assignor.)

Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)

Sullivan Machinery Company. (See Cross, Robert E., assignor.)

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Graham, James G., assignor.)

Sullivan Machinery Company. (See Halleck, Frank A., assignor.)

Sullivan Machinery Company. (See Halvorsen, Halbert B., assignor.)

Sullivan Machinery Company. (See Hauge, Andrew, assignor.)

Sullivan Machinery Company. (See Holmes, Morris P., assignor.)

Sullivan Machinery Company. (See Hoy, Austin Y., assignor.)

Sullivan Machinery Company. (See Huffman, Mervin C., assignor.)

Sullivan Machinery Company. (See Hughes, William E., assignor.)

Sullivan Machinery Company. (See Johansen, Harry C., assignor.)

Sullivan Machinery Company. (See Maxson, Louis A., assignor.)

Sullivan Machinery Company. (See Murphy, Richard E., assignor.)

Sullivan Machinery Company. (See Nast, Paul H., assignor.)

Sullivan Machinery Company. (See Oliphant, John, assignor.)

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sullivan Machinery Company. (See Osgood, Robert C. assignor.)

Sullivan Machinery Company. (See Ross, John, assignor.)

Sullivan Machinery Company. (See Rundqvist, Thore R. E., assignor.)

Sullivan Machinery Company. (See Whinnen, Eugene, assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sullivan Machinery Company. (See Wyman, Charles W., assignor.)

Sullivan, Maurice S., Meriden, Conn. Nursing bottle holder. 1,867,992; July 19.

Sullivan, Michael F., New York, N. Y. Gearless shift and freewheel construction for vehicles. 1,859,347; May 24.

Sullivan, Paul P., Chicago, Ill. Window frame and sash therefor. 1,884,361; Oct. 25.

Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle body. 1,842,214; Jan. 19.

Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Door latch. 1,855,697; Apr. 26.

Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Door glass guide. 1,874,717; Aug. 30.

Sullivan, Peter B., Randolph, Mass. Heel. 1,876,361; Sept. 6.

Sullivan, Raymond D., et al. (See Smith, Richard F., assignor.)

Sullivan, Raymond H., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Dictating electric machine. 1,844,721; Feb. 9.

Sullivan, Warren L., assignor to Paragone Revolute Corporation, Rochester, N. Y. Printing machine for sensitized material. 1,847,500; Mar. 1.

Sullivan, William J., assignor to American Equipment Company, Chicago, Ill. Dumping fork. 1,839,813; Jan. 5.

Sulman, Henry L., and H. F. K. Picard, London, England. Recovery of tin from ores and the like. 1,847,991; Mar. 1.

Sulphide Corporation. (See Levy, Stanley I., assignor.)

Sulphide Research Corporation, The. (See Freeman, Horace, assignor.)

Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture and sound film and preparing same. 1,849,320; Mar. 15.

Sulzer Freres Société Anonyme. (See Dinner, Heinrich, assignor.)

Sulzer Frères Society Anonyme. (See Simmen, Oscar, assignor.)

Sulzer Freres Societe Anonyme. (See Steiner, Hans, assignor.)

Sulzer Freres Societe Anonyme. (See Tobler, Werner, assignor.)

Sulzer Frères Societe Anonyme. (See Treschsel, Max, assignor.)

Sulzer Frères Société Anonyme. (See von Salis, Eduard, assignor.)

Sulzer Freres Societe Anonyme. (See Wirth, Blias, assignor.)

Sulzer Freres Societe Anonyme, the Firm of. (See Kigi, Emil, assignor.)

Sulzer Freres Societe Anonyme, the Firm of. (See Schaer, Charles, assignor.)

Sulzer Frères Societe Anonyme, the Firm of. (See Simmen, Oscar, assignor.)

Sulzner, Charles F., Miami, Fla. Location finder for microscopes. 1,876,176; Sept. 6.

Sumida, Hoichi. (See Suzuki, Toyojiro, assignor.)

Summer, Frank S., et al. (See Dale, Robert B., assignor.)

Summer, Samuel, et al. (See Dale, Robert B., assignor.)

Summerbell, William J., Los Angeles, Calif. Glare shield. 1,888,703; Nov. 22.

Summerlot, Clyde W., Terre Haute, Ind. Power utilizing appliance for motor vehicles. 1,858,314; May 17.

Summers, Caleb E., Pontiac, Mich., assignor to General Motors Research Corporation, Dayton, Ohio. Internal combustion engine. Re18,414; Apr. 5.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Cylinder wall lubrication control. 1,846,282; Feb. 23.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Air inlet system for engines. 1,846,283; Feb. 23.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Plated piston. 1,856,272; May 3.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. V-type engine. 1,862,723; June 14.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Lubricating system. 1,862,724; June 14.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Self-cleaning connecting rod bearing. 1,872,194; Aug. 16.

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Control mounting. 1,881,067; Oct. 4.

Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Magnetic core. 1,859,115; May 17.

Summers, Joe N. (See Briggs R. W., and Summers.)

Summers, Joe N., Mission, Tex. Dipper or bucket for excavating machines. 1,867,479; July 12.

Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,885,783; Nov. 1.

Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,888,331; Nov. 22.

Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,891,249; Dec. 20.

Summers, Otto M., assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Gasket. 1,851,948; Mar. 29.

Summers, Otto M., assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Check valve. 1,852,022; Apr. 5.

Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Valve for refrigerating apparatus. 1,854,280; Apr. 19.

Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Apparatus for making pile loops. 1,854,567; Apr. 19.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,884,362; Oct. 25.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,884,363; Oct. 25.
Summerson, Thomas, Parsons, Pa. Swimming belt. 1,862,570; Jun. 7.
Summey, David L., Waterbury, Conn. Apparatus for extruding and coiling rods and controlling means applicable thereto. 1,849,044; Mar. 8.
Summey, David L., Waterbury, Conn. Metal extruding apparatus. 1,859,753; May 24.
Summey, David L., Waterbury, Conn. Pressure control system. 1,888,332; Nov. 22.
Summit Mold & Machine Company, The. (See Brundage, James W. (deceased).
Summit Thread Company. (See Johnson, Henry G., assignor.)
Sumner, Francis P. (See Schwanbeck, F. F., and Sumner.)
Sumner, James W. (See Rayburn, Alden G. and E. M., and Sumner.)
Sumner, James W., et al. (See Rayburn, Elwyn M. and A. G., assignors.)
Sumpter, John E., Minneapolis, Minn., assignor to Delta-Star Electric Company, Chicago, Ill. Eternal expulsion fuse plug. 1,877,618; Sept. 13.
Sumpter, John E., Minneapolis, Minn., and A. Alsaker, Chicago, assignors to Delta-Star Electric Company, Chicago, Ill. Rigid stud compression connecter. 1,871,094; Aug. 9.
Sun-Maid Raisin Growers of California. (See Forrest, Thomas W. W., and Sun.)
Sun Oil Company. (See Chatfield, Victor M., assignor.)
Sun Oil Company. (See Guthrie, Robert G., assignor.)
Sun Oil Company. (See Hall-Wall, Justin K., assignor.)
Sun Oil Company. (See Pew, Arthur E., jr., assignor.)
Sun Oil Company. (See Thomas, Henry, assignor.)
Sun Oil Company. (See Wall, Justin K., assignor.)
Sun Rubber Company, The. (See Lower, Melvin S., assignor.)
Sun-A-Vend, Inc. (See Pacini, August J., assignor.)
Sun Bath Company. (See Collins, Berry, assignor.)
Sunaiti, Shizuo, Hiroshima-Shi, Japan. Protective relay system. 1,886,986; Nov. 8.
Sunaiti, Shizuo, Hiroshima-Shi, Japan. Protective relay system. 1,886,986; Nov. 8.
Sunbeam Electric Manufacturing Company. (See Richard, William D., assignor.)
Sund, Alfred D., Santa Rosa, Calif. Bumper for dust mops and brooms. 1,857,668; May 10.
Sunday, James J., Chicago, Ill., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Automobile heater. 1,858,028; May 10.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener locking member. 1,846,919; Feb. 23.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener locking member. 1,846,920; Feb. 23.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener locking member. 1,846,921; Feb. 23.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,850,160; Mar. 22.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Testing and flexing machine. 1,857,669; May 10.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Fastening device. 1,859,540; May 24.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Punching and forming machine. 1,878,201; Sept. 20.
Sundberg, Carl E., Quincy, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston Mass. Time switch. 1,860,371; May 31.
Sundberg, Karl, Houston, Tex., assignor to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Underground data recording. 1,843,407; Feb. 2.
Sundberg, Karl, Houston, Tex., assignor to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Mapping subsurface structures. 1,884,364; Oct. 25.
Sundblad, Folke W., Steubenville, Ohio. Open-hearth furnace and apparatus for charging the same. 1,859,754; May 24.
Sundby, Nellie N., Minneapolis, Minn. Ironing board cover. 1,881,977; Oct. 11.
Sunde, Benjamin W. (See McCoy, A. G., and Sunde.)
Sundeen, John M., Santa Cruz, Calif. Shoe upper. 1,839,274; Jan. 5.
Sundeen, Caleb, and J. G. Fuller, Gardner, Mass., assignors to Iceberg Manufacturing Company. Water cooler. 1,861,033; May 31.
Sünder, Jakob, assignor to the Firm Adrian & Busch, Oberussel, Germany. Shoe sewing machine. 1,883,359; Oct. 18.
Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Cable spinning apparatus. 1,850,697; Mar. 22.
Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Bridge cable spinning apparatus. 1,850,698; Mar. 22.
Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Method and apparatus for spinning bridge cables 1,850,699; Mar. 22.
Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Anchor connection for bridge and other cables. 1,852,683; Apr. 5.
Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Anchor connection for bridge and other cables. 1,852,684; Apr. 5.
Sunderland, Charles C., New Brunswick, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J. Transferring load in making bridges and the like. 1,880,290; Oct. 4.
Sunderland, Katherine B., Danbury, Conn. Attachment for shoes. 1,836,134; Nov. 17.
Sunderman, H. Henry, executor. (See Klausmeyer, David C., and Sosa.)
Sundin, Arthur J., Washington, D. C. Button or similar article. Des. 86,288; Feb. 16.
Sundquist, Hilding G., Springfield, Mass., assignor of one-fourth to J. P. Clancy, Hartford, Conn. Motor vehicle brake adjusting mechanism. 1,880,368; Oct. 4.
Sundstrand, Carl A., assignor, by mesne assignments, to Solem Machine Company, Rockford, Ill. Water-modifying apparatus. 1,856,599; May 3.
Sundstrand Corporation. (See Sundstrand, Oscar J., assignor.)
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Decimal and nondecimal adding and subtracting machine. 1,885,489; Nov. 1.
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Computing machine. 1,885,960; Nov. 1.
Sundstrand Engineering Co., The. (See Sundstrand, Gustaf D., assignor.)
Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Company, Rockford, Ill. Continuous milling machine. 1,843,345; Feb. 2.
Sundstrand, Gustaf D., deceased, by Pearl Sundstrand, executrix, and J. F. Benner, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Lathe. 1,883,082; Oct. 18.
Sundstrand, Gustaf D., assignor to The Sundstrand Engineering Co., Rockford, Ill. Oil burning equipment. 1,883,822; Oct. 18.
Sundstrand Machine Tool Co. (See De Vlieg, Charles B., assignor.)
Sundstrand Machine Tool Co. (See Jackson, Paul S., assignor.)
Sundstrand Machine Tool Company. (See Sundstrand, Gustaf D., assignor.)
Sundstrand Machine Tool Co. (See Sundstrand, G. D., and Benner, assignors.)
Sundstrand Machine Tool Co. (See Svenson, Ernest J., assignor.)
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Injecting and ejecting means. 1,847,316; Mar. 1.
Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del. Computing and printing machine. 1,852,742; Apr. 5.
Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del. Adding and listing machine, cash register, etc. 1,856,056; Apr. 26.
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Subtraction key latch. 1,859,897; May 24.
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Paper carriage. 1,880,220; Oct. 4.
Sundstrand, Pearl, executrix. (See Sundstrand, G. D., and Benner.)
Sundström, Einar F., and K. E. Stéen, Sundsvall, Sweden. Process and apparatus for preparing webs from fibrous materials. 1,870,971; Aug. 9.
Sundstrom, Herman T., Houston, Tex. Slug lever attachment for typographical machines. 1,859,116; May 17.
Sundt, Edward V., Chicago, Ill. Low capacity fuse and making the same. 1,861,369; May 31.
Sunkenberg, Edward W., Cheelcroft-Hohokus, N. J., and B. Kahn, New York, N. Y.; said Kahn assignor to said Sunkenberg. Time register and recording device. 1,879,641; Sept. 27.
Sunley, George, assignor to Reynolds Spring Company, Jackson, Mich. Spring construction. 1,886,918; Nov. 8.
Sunlight Electrical Manufacturing Company, The. (See Kingston, Frederick S., assignor.)
Sunlight Electrical & Manufacturing Company, The. (See Kingston, F. S., and Conley, assignors.)
Sunnen, Joseph, St. Louis, Mo. Honing device for cylinders. 1,846,371; Feb. 23.
Sunnen, Joseph, St. Louis, Mo. Portable grinder stand. 1,875,907; Aug. 23.
Sunnen, Joseph, Kirkwood, Mo. Portable support for exhaust devices. 1,880,293; Oct. 4.

Sunsaloon Bodies Limited. (See Alexander, Alfred H., assignor.)
Sunset Motor Company. (See Mitchell, Floyd C., assignor.)
Sunshine Nut Company. (See Kerckel, Gus, assignor.)
Sunstrom, Mark B., assignor to Alpha Chemical Company, Inc., Baltimore, Md. Floor oil. 1,860,372; May 31.
Supa, Frank, Binghamton, N. Y. Combined window shade and curtain rod holder. 1,843,888; Feb. 2.
Super Cement Company. (See Goddard, Joseph F., assignor.)
Superheater Company, The. (See Armacost, Wilbur H., assignor.)
Superheater Company, The. (See Armacost, W. H., and Rudorff, assignors.)
Superheater Company, The. (See Armacost, W. H., and Spirson, assignors.)
Superheater Company, The. (See Barnes, John A., assignor.)
Superheater Company, The. (See Birmingham, Thomas F., assignor.)
Superheater Company, The. (See Blome, August B., assignor.)
Superheater Company, The. (See Bowen, Henry B., assignor.)
Superheater Company, The. (See Engler, Otto, assignor.)
Superheater Company, The. (See Epley, Frederic I., assignor.)
Superheater Company, The. (See Gordon, Charles W., assignor.)
Superheater Company, The. (See Hard, Malcolm, assignor.)
Superheater Company, The. (See Harris, Reginald M., assignor.)
Superheater Company, The. (See Hartmann, Otto H., assignor.)
Superheater Company, The. (See Huet, André, assignor.)
Superheater Company, The. (See Jorgensen, Svend M., assignor.)
Superheater Company, The. (See Kavanagh, James F., assignor.)
Superheater Company, The. (See Magis, A., and Huet, assignors.)
Superheater Company, The. (See Michael, Loren P., assignor.)
Superheater Company, The. (See Oatley, Henry B., assignor.)
Superheater Company, The. (See Ringel, Charles, assignor.)
Superheater Company, The. (See Rudorff, Dagobert W., assignor.)
Superheater Company, The. (See Stein, R., Euler, and Puff, assignors.)
Superheater Company, The. (See Stein, R., and Frank, assignors.)
Superheater Company, The. (See True, Charles H., assignor.)
Superheater Company, The. (See Woynarowski, Bazil, assignor.)
Superior Body Company. (See Paul, Sydney, assignor.)
Superior Coal Combustion Company. (See Guay, Joseph V., assignor.)
Superior Confection Company, The. (See Renz, Henry K., assignor.)
Superior Engine Company. (See Noltein, George F., assignor.)
Superior Felt and Bedding Co. (See Breckenridge, Albert, assignor.)
Superior Hard Rubber Company. (See Gurnee, I. Q., and Hopper, assignors.)
Superior Meter Company. (See Martin, Thomas J., assignor.)
Superior Paper Products Company. (See Beaman, George B., assignor.)
Superior Paper Products Co. (See Isselhardt, Louis L., assignor.)
Superior Products Corporation. (See Spitalny, Fred, assignor.)
Superior Regulator Co. Inc. (See Douglass, Howard H. and A. H., assignors.)
Superior Safety Furnace Pipe Company. (See Walters, John L., assignor.)
Superior Switchboard & Devices Company, The. (See Grush, Richard W., assignor.)
Superior Tool and Die Company. (See Janiszewski, Kasimer, assignor.)
Superior Trolley Slide & Equipment Company. (See Wilkins, Kenneth M., assignor.)
Superior Type Company, The. (See Swift, Justin R., assignor.)
Superior Wood Products Corporation. (See Schumm, Louis 3d, assignor.)
Super-Marine Systems, Inc. (See Harper, William, jr., assignor.)
Super Mold Corporation. (See Glynn, Edwin A., assignor.)
Super Mold Corporation. (See Woock, Herbert J., assignor.)
Super Mold Corporation. (See Woock, Walter R. J., assignor.)
Superset Brush Co. (See Frenkel, Samuel M., assignor.)
Supersteam Generator Company. (See Geoghegan, Edward A., assignor.)
Suppes, Richard A., Mullens, W. Va. Conveyer. 1,854,351; Apr. 19.
Suppiger, Gerhart S., assignor to Scientific Tablet Company, Belleville, Ill. Flavoring in canning, preserving, and bottling operations. 1,887,073; Nov. 8.
Suppiger, Gerhart S., and C. Alexander, Belleville, assignors to Scientific Tablet Company, East St. Louis, Ill. Apparatus for dispensing flavoring materials. 1,884,365; Oct. 25.
Supreme Instruments Corporation. (See Johnson, Vivion A., assignor.)
Sure, Barnett, Fayetteville, Ark. Extraction and concentration of vitamins. 1,869,721; Aug. 2.
Sure, Barnett, Fayetteville, Ark. Concentration of vitamins. 1,889,427; Nov. 29.
Surety Manufacturing Company. (See Reynolds, Frederick D., assignor.)
Surface Combustion Company, The. (See Keith, George, assignor.)
Surface Combustion Corporation. (See Barber, Hugh B., assignor.)
Surface Combustion Corporation. (See Barber, H. B., and de Coriolis, assignors.)
Surface Combustion Corporation. (See Cochran, Ralf S., assignor.)
Surface Combustion Corporation. (See Cowan, Roysel J., assignor.)
Surface Combustion Corporation. (See De Coriolis, Ernest G., assignor.)
Surface Combustion Corporation. (See de Coriolis, E. G., and Barber.)
Surface Combustion Corporation. (See Degner, Albin M., assignor.)
Surface Combustion Corporation. (See Hepburn, William M., assignor.)
Surface Combustion Corporation. (See Klees, Albert L., assignor.)
Surface Combustion Corporation. (See Manker, Forrest W., assignor.)
Surface Combustion Corporation. (See McCoy, Philip W., assignor.)
Surface, Morris E., and A. W. Wellington, assignors to The Chase Companies, Inc., Waterbury, Conn. Suspension fixture for electric lights. 1,856,142; May 3.
Surgical Dressings, Inc. (See Rosenblatt, Samuel, assignor.)
Surprenant, George, Rotterdam, N. Y. Boiler. 1,875,828; Sept. 6.
Surprenant, George, Rotterdam, N. Y. Combined fluid heater and baking oven. 1,888,249; Nov. 22.
Susmann, Käte, Vienna, Austria. Listening apparatus. 1,846,231; Feb. 23.
Susquehanna Silk Mills. (See Byrod, Frederick R., assignor.)
Suss, Charles, Glassport, Pa. Portable fuse box and outlet box. 1,874,828; Aug. 30.
Sussin, Victor. (See Lovell, McD., and Sussin.)
Sussin, Victor, assignor to Stewart-Warner Corporation, Chicago, Ill. Hydraulic shock absorber. 1,876,092; Sept. 6.
Sussman, Walter A., Brooklyn, N. Y. Submarine rescue apparatus. 1,880,999; Oct. 4.
Sussmann, Maxwell H., New York, N. Y., assignor, by mesne assignments, to Steel and Tubes, Inc. Machine for cutting bars, pipes, etc. 1,859,319; May 24.
Susmith, John J., Fort Lee, N. J. Warper. 1,890,197; Dec. 6.
Sutcliffe, Edwin A., Oak Park, assignor to Victor Manufacturing and Gasket Company, Chicago, Ill. Photographic. 1,866,866; July 12.
Sutcliffe, Willis J., Cedar Heights, Iowa. Automatic target trap. 1,880,292; Oct. 4.
Suter, Eugene F., assignor to Eugene, Ltd., New York, N. Y. Heater for hair waving apparatus. 1,854,529; Apr. 19.
Suter, Theophilus A., Brooklyn, N. Y., assignor to Air Way Electric Appliance Corporation, Toledo, Ohio. Grooming tool. 1,878,345; Sept. 20.
Sutermeister, Edwin, and J. A. Warren, Westbrook, Me., assignors to S. D. Warren Company, Boston, Mass. Paper manufacture. 1,839,449; Jan. 5.
Sutherland, Alfred W., Swampscott, Mass. Apparatus for cleaning vacuum cleaner bags. 1,864,622; June 28.
Sutherland, Daniel M., jr. (See Brown, Roger B., assignor.)
Sutherland, Daniel M., jr. (See Farley, Francis S., assignor.)
Sutherland, Daniel M., jr. (See Farley, F. S., and Walter, assignors.)
Sutherland, Daniel M., jr., Morrisville, Pa. Pulp product and its manufacture. 1,854,366; Oct. 25.
Sutherland, Daniel M., jr., Morrisville, Pa. Rot-proof fiber product. 1,884,367; Oct. 25.
Sutherland, James N., Berkeley, Calif. Valve. 1,886,454; Nov. 8.
Sutherland, William G., Boulder, Colo., assignor to Stark Bro's. Nurseries & Orchards Company, Louisiana, Mo. Thornless barberry. Pl. Pt. 40; Nov. 8.
Sutherland, William J., Bedford, Va. Switch lock. 1,845,360; Feb. 16.
Sutherlin, Lee. (See Freeman, H. M., and Sutherlin.)
Sutherlin, Lee, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube device. 1,839,904; Jan. 5.

Sutherlin, Lee, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic rectifier. 1,872,359 ; Aug. 16.

Sutliff, Howard, Los Angeles, Calif. Display device. Des. 86,239 ; Feb. 16.

Sutphen, John L., Philadelphia, Pa., assignor to Scott & Williams, Inc., New York, N. Y. Automatic split foot stocking knitting machine. 1,860,162 ; May 24.

Sutphen, Robert M. (See Horni, P. F., and Sutphen.)

Sutphen, Robert M., assignor to Pfaff and Kendall, Newark, N. J. Reproducing photographs. 1,844,079 ; Feb. 9.

Sutphen, Robert M., assignor to Pfaff and Kendall, Newark, N. J. Illuminated flagpole. 1,878,447 ; Sept. 20.

Sutter, Alvin L., Mt. Cloud, assignor, Des Plaines, Ill. Automobile heater. 1,853,585 ; Apr. 12.

Sutter, Harry A., and K. G. Haseltine, Springfield, Mo. Fruit basket packing device. 1,868,590 ; July 26.

Sutter, John H., Arlington Heights, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Lighting fixture. Des. 86,419 ; Mar. 1.

Sutter, John H., Arlington Heights, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Ceiling lighting fixture. Des. 86,420 ; Mar. 1.

Sutter, John H., Arlington Heights, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Portable lighting fixture. Des. 86,494 ; Mar. 8.

Sutter, Josiah H., Wichita, Kans. Starting motor. 1,870,975 ; Aug. 2.

Sutter, Louis M. (See Tevis, A. M., and Sutter.)

Sutterfield, Noel. (See Beadle, L. C., Sutterfield, and Wilson.)

Sutton, Clem P., Sebring, Ohio. Swimming suit. 1,853,386 ; Apr. 12.

Sutton Engineering Company. (See Sutton, J. B., and Wise, assignors.)

Sutton, Harry G., Syracuse, N. Y., assignor to United States Hoffman Machine Corporation, New York, N. Y. Garment press. 1,870,935 ; Aug. 9.

Sutton, Harry G., Syracuse, assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Press. 1,881,000 ; Oct. 4.

Sutton, John B., and G. A. Wise, Pittsburgh, Pa., assignors to Sutton Engineering Company. Sheet flattener. 1,890,049 ; Dec. 6.

Sutton, John H., Los Angeles, Calif. Cattle stanchion. 1,857,412 ; May 10.

Sutton, John W. (See Goddard, Francis M., assignor.)

Sutton, Michael S., Brooklyn, N. Y. Vehicle wheel construction. 1,843,846 ; Feb. 2.

Sutton, Silas, Elko, Ga. Cotton bunching machine. 1,887,441 ; Nov. 15.

Sutton, Roy C., University City, Mo. Apparatus for heating liquids. 1,885,305 ; Nov. 1.

Sutton, Walter C., Cleveland Heights, Ohio. Goggles. 1,843,847 ; Feb. 2.

Sutton, Walter C., Cleveland Heights, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Feeding a wire through a furnace. 1,856,444 ; May 3.

Sutton, William V., assignor to Walter E. Brearley, Rockford, Ill. Scale. Des. 83,686 ; Dec. 13.

Suverkrop, Lew, Bakersfield, Calif. Surveying instrument. 1,875,829 ; Sept. 6.

Suverkrop, Lew, Bakersfield, Calif. Surveying instrument. 1,875,830 ; Sept. 6.

Suzuki, Tsuneo, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Making projecting screens. 1,891,849 ; Dec. 27.

Svancara, Lumir, Buhl, Idaho. Trouser hanger. 1,890,169 ; Dec. 6.

Svanoe, Hans, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 1,849,508 ; Mar. 15.

Svarrer, Harry et al. (See Johnson, Harry D., assignor.)

Svendsen, Karsten. (See Aarskog, Svensen, and Ebel.)

Svendsen, Robert T., and D. G. Chandler, Minneapolis, Minn. Propeller mounting. Re18,602 ; Sept. 20.

Svendsen, Robert T., and D. G. Chandler, Minneapolis, Minn., assignors to Neptune Engineering Company, Dover, Del. Propeller mounting. Re18,605 ; Sept. 20.

Svendsen, Svend S., Seattle, Wash. Tobacco pipe. 1,890,703 ; Dec. 13.

Svendsen, Svend S., assignor to Clay Reduction Company, Chicago, Ill. Hydrated silica. 1,859,086 ; May 24.

Svendsen, Svend S., Chicago, Ill., assignor to Clay Reduction Corporation. Production of aluminum hydroxide. 1,889,080 ; Nov. 29.

Svendsen, Svend S., Chicago, Ill., assignor to Clay Reduction Company. Making metallic sulphates. 1,889,710 ; Nov. 29.

Svendsgaard, Sverre R., Marshfield, Oreg. Cutting device. 1,887,440 ; Nov. 8.

Svendsgaard, Sverre R., Marshfield, Oreg. Grass shears. 1,891,694 ; Dec. 20.

Svenska Ackumulator Aktiebolaget Jungner. (See Lundborg, Bror H., assignor.)

Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)

Svenska Aktiebolaget Bromsregulator. (See Djurson, A. R. K., and Brownall, assignors.)

Svenska Aktiebolaget Gasaccumulator. (See Dalén, Gustaf, assignor.)

Svenska Bindgarnsfabrikens Aktiebolag. (See Nilsson, John A., assignor.)

Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,883,084 ; Oct. 18.

Svensson, Henning. (See Siewert, E. G., and Svensson.)

Svetcoff, George J., Meadville, Pa. Fixture strap. 1,866,694 ; July 12.

Svoboda, Joseph, jr., assignor to Belle City Malleable Iron Company, Racine, Wis. Latch for a molder's flask. 1,846,769 ; Feb. 23.

Svojse, George M., Chicago, Ill. Garment pressing machine. 1,848,210 ; Mar. 8.

Svorstol, Ragnar I., Kent, Wash. Ski binder. 1,891,509 ; Dec. 20.

Swab, George L., assignor to Heisler Locomotive Works, Erie, Pa. Locomotive. 1,851,068 ; Mar. 29.

Swader, Francis D., near Cromwell, Okla. Roundabout. 1,839,509 ; Jan. 5.

Swaim, William R., Haskell, Tex. Typewriter cover. 1,863,130 ; June 14.

Swain, Francis T., Newcastle, Ind. Gear testing machine. 1,884,368 ; Oct. 25.

Swain, Harry P., Concord, N. H. Level and plumb indicator. 1,879,587 ; Sept. 27.

Swain, James A., London, England. Attachment for artificial legs. 1,858,974 ; May 17.

Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Airplane wheel. 1,869,318 ; July 26.

Swain, Mack M., Los Angeles, Calif. Study stand. 1,854,421 ; Apr. 19.

Swainson, Swain J., Westfield, and A. E. Anderson, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Treatment of precious metal bearing ores. 1,864,222 ; June 21.

Swalas, Anders R. (See Melgren, G. E., Sjöoström, Swalas, and Hedin.)

Swall, Oscar S., Ross, Calif., assignor to S. & D. Loose Leaf Co., Ltd. Loose leaf binder. 1,885,018 ; Oct. 25.

Swallen, Lloyd C. (See Martin, J., and Swallen.)

Swallen, Lloyd C. (See Simms, C. W., Bannister, and Swallen.)

Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Separation and recovery of products produced by the alkaline fusion of cellulosic materials. 1,869,948 ; Aug. 2.

Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of methyl amine. 1,875,775 ; Sept. 6.

Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of methyl amine. 1,875,776 ; Sept. 6.

Swallen, Lloyd C., and B. C. Boeckeler, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of methyl amine. 1,875,774 ; Sept. 6.

Swallow, Francis P., Wyncote, assignor to United States Envelope Company, Springfield, Mass. Attachment device for drinking cup dispensers. 1,840,138 ; Jan. 5.

Swallow, Gerald, Bridgeport, Pa., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Dustguard. 1,874,382 ; Aug. 30.

Swallow, Joseph, Berwyn, assignor to Temple Corporation, Chicago, Ill. Sound emitting device. 1,866,231 ; July 5.

Swallow, Joseph, Berwyn, assignor to Temple Corporation, Chicago, Ill. Loud-speaker construction 1,873,360 ; Aug. 23.

Swan, Andrew. (See Helmore, W., and Swan.)

Swan, Birger B., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Loupe attaching means. 1,853,785 ; Apr. 12.

Swan Carburetor Company, The. (See Swan, John W., assignor.)

Swan, Charles, Los Angeles, Calif. Trousers press and hanger. 1,855,262 ; Apr. 26.

Swan, Harry, New York, N. Y. Vending machine. 1,849,509 ; Mar. 15.

Swan, Harry, New York, N. Y. Razor blade container. 1,863,074 ; June 14.

Swan, Harry, New York, N. Y. Razor. 1,887,747 ; Nov. 22.

Swan, Harry, New York, N. Y., assignor to Patents Incorporated, Wilmington, Del. Razor. 1,888,962 ; Nov. 22.

Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Hylton Corporation, New York, N. Y. Printing plate and manufacturing it. 1,871,565 ; Aug. 16.

Swan, John W., assignor to The Swan Carburetor Company, Cleveland, Ohio. Manifolding four cylinder engine. 1,851,601 ; Mar. 29.

Swan, John W., assignor to The Swan Carburetor Company, Cleveland, Ohio. Manifold eight-cylinder engine. 1,889,081 ; Nov. 29.

Swan Knitting Works Ryff & Co. Ltd. (See Ryff, Marta, assignor.)

Swan, Peter, Portland, Oreg. Making rice straw pulp and apparatus therefor. 1,859,224 ; May 17.

Swan, William W., Frankfort, S. Dak. Steering gear for tractors. 1,889,906 ; Dec. 6.

Swaney, Frank S., Massillon, Ohio. Thermostatic control for rolling mills. 1,888,098 ; Nov. 15.

Swanfelt, Raymond E., Paxton, Ill. Leveler and pulverizer. 1,854,431 ; Apr. 19.

Swangren, Edwin V., Maywood, assignor to A. J. Deniston, Jr., Chicago, Ill. Nail capping machine. 1,839,450; Jan. 5.

Swangren, Edwin V., Maywood, assignor of one-half to W. N. Stevenson, Evanston, Ill. Cap-lining machine. 1,870,151; Aug. 2.

Swank, F. B. (See Teel, Earl, assignor.)

Swankhous, Frederick B. (See Holsing, C. J., and Swankhous.)

Swann, James S., assignor to Union Metal Products Company, Chicago, Ill. Hopper door. 1,850,361; Mar. 22.

Swann Research, Inc. (See Carothers, John N., assignor.)

Swann Research, Inc. (See Carothers, J. N., and Huger, A., assignors.)

Swann Research, Inc. (See Huntress, Ernest H., assignor.)

Swann Research, Inc. (See Huntress, E. H., McCullough, and Booth, assignors.)

Swann Research, Inc. (See Jenkins, Russell L., assignor.)

Swann Research, Inc. (See Jenkins, R. L., and Sikarski, assignors.)

Swann Research, Inc. (See Jenkins, R. L., and Norris, assignors.)

Swann Research, Inc. (See Krase, Herbert J., assignor.)

Swann Research, Inc. (See McCullough, Campbell R., assignor.)

Swann Research, Inc. (See McCullough, C. R., and Booth, assignor.)

Swann Research, Inc. (See Warning, W. G., and Schlib, assignors.)

Swann Research, Inc. (See Warren, T. E., and Durgin, assignors.)

Swann Research, Inc. (See White, Harold E., assignor.)

Swanson, Albert. (See Reamy, D. H., and Swanson.)

Swanson, Albert J., Macomb, Ill., assignor to Clara M. Meyer, Waterloo, Iowa. Front seat for vehicle. 1,846,443; Feb. 23.

Swanson, Albert J., Maywood, and J. R. Gardner, Bellewood, Ill. Garage door. 1,863,509; June 14.

Swanson, Andrew W., assignor to Illinois Tool Works, Chicago, Ill. Work holding vise. 1,869,631; Aug. 2.

Swanson, Andrew W., and C. W. Bennett, Whittier, Calif. Tool holder having toothed releasing means. 1,841,769; Jan. 19.

Swanson, Arthur T., Los Angeles, Calif. "Strike" and "ball" indicator. 1,861,647; June 7.

Swanson, Carl E. Chicago, Ill. Toy construction unit. 1,890,260; Dec. 6.

Swanson, Earl C. (See Andersen, F. C., and Swanson.)

Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,848,911; Mar. 8.

Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,875,831; Sept. 6.

Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,875,832; Sept. 6.

Swanson. Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,878,430; Sept. 20.

Swanson, Edwin W., Hopkins, and E. A. Hedenstrom, assignors to Electric Machinery Manufacturing Company, Minneapolis, Minn. Compressor unloader. 1,847,229; Mar. 1.

Swanson, Edwin W., Hopkins, and F. N. Swanstrom, assignors to Electric Machinery Manufacturing Company, Minneapolis, Minn. Control apparatus for electric machines. 1,861,588; June 7.

Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,885,490; Nov. 1.

Swanson, Ernest, Springfield, Mass. Hedge trimming shears. 1,879,860; Sept. 27.

Swanson, Ernest R., and Samuel R. I., assignor to Universal Winding Company, Boston, Mass. Thread-waxing device. 1,856,198; May 3.

Swanson, Ernest R., Winston, R. I., assignor to Universal Winding Company, Boston, Mass. Tension-device. 1,863,951; June 21.

Swanson, Harry J., assignor to Ottawa Steel Products, Inc., Grand Haven, Mich. Roller grinding machine. 1,848,676; Mar. 8.

Swanson, Hilbert R., Muskegon Heights, assignor to Austin Machinery Corporation, Muskegon, Mich. Clutch for backfillers. 1,848,397; Mar. 8.

Swanson, Hugo R. (See Van Rensselaer, K. M., and Swanson.)

Swanson, Kenneth P. (See Morick, J. A., and Swanson.)

Swanson, Kenneth P., Irvington, assignor to Elsler Electric Corporation, Newark, N. J. Head for beading machines. 1,877,431; Sept. 13.

Swanson, Martin D. W., Omaha, Nebr. Visual information board. 1,884,269; Oct. 25.

Swanson, Olof, Chicago, Ill. Mounting device. 1,884,370; Oct. 25.

Swanson, Oscar W., Ottumwa, Iowa. Apparatus for heating brooders. 1,882,342; Oct. 11.

Swanson, Oscar W., Ottumwa, Iowa. Fowl feather picking apparatus and process. 1,889,228; Nov. 29.

Swanson, Peter, Ely, Minn. Gravity lock. Re18,442; Apr. 26.

Swanson, Peter, Ely, Minn. Railroad switch stand dog. 1,885,961; Nov. 1.

Swanson, Reuben D., assignor of one-half to O. J. Jauslin, Walla Walla, Wash. Trailer cart. 1,878,346; Sept. 20.

Swanson, Reynold A., Montrose, S. Dak. Cover retaining means. Re18,407; Apr. 5.

Swanson, Richard L., assignor to Jamestown Lounge Company, Jamestown, N. Y. Cushion construction. 1,852,943; Apr. 5.

Swanson, Selvyor A., Chicago, Ill. Key controlled and power operated machine. 1,842,883; Jan. 26.

Swanson, Theodore, and T. McCreary, San Francisco, Calif. Ice cream freezer. Des. 88,268; Nov. 8.

Swanson, Walfred G., Swanville, Minn. Cream can holder. 1,869,284; July 26.

Swanstrom, Arthur L., assignor to Diamond-Calk and Horseshoe Co., Duluth, Minn. Pitching horseshoe. 1,850,816; Mar. 22.

Swanstrom, Arthur L., assignor to Diamond Calk and Horseshoe Co., Duluth, Minn. Horseshoe calk. 1,862,499; June 7.

Swanstrom, Carl A., Newark, N. J. Making self-locking nuts. 1,874,829; Aug. 30.

Swanstrom, Frank N. (See Swanson, E. W., and Swanstrom.)

Swanton, Charles L. (See Hoppe, W. H., and Swanton.)

Swars, Paul G., Pittsburgh, Pa. Electrical contacting device. 1,886,758; Nov. 8.

Swart, Charles G., Auburn, N. Y. Lens-holder for spectacle and eyeglass frames. 1,884,371; Oct. 25.

Swart, Clarence A., and J. H. Evans, assignors to Rollway Bearing Company, Inc., Syracuse, N. Y. Roller bearing construction. 1,883,085; Oct. 18.

Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Electrical protective system. 1,879,773; Sept. 27.

Swartburg, B. Robert, et al. (See Siegel, Max, assignor.)

Swartling, Hugo E., Germany. Electromechanical change speed gearing. 1,862,774; June 14.

Swartwout Company, The. (See Barrett, Joseph M., assignor.)

Swartwout Company, The. (See Fraser, Howard S., assignor.)

Swartwout Company, The. (See Mastenbrook, Henry J., assignor.)

Swartz, Abraham W., Norristown, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Stocking topping machine. 1,878,728; Sept. 20.

Swartz, Alfred W., Haverford, assignor to Linear Packing & Rubber Co., Inc., Tacony, Philadelphia, Pa. Flexible pipe and coupling. 1,883,089; Oct. 18.

Swartz, Edward G., et al. (See Hutchings, Edward W., assignor.)

Swartz, Edward M., assignor to Keystone Mfg. Co., Boston, Mass. Toy vehicle. Des. 88,687; Dec. 13.

Swartz, Edward M., assignor to Keystone Mfg. Co., Boston, Mass. Ridable toy vehicle. toy. 1,890,658; Dec. 13.

Swartz, George A., Westwood, N. J. Power steering mechanism for motor vehicles. 1,868,082; July 19.

Swartz, Guy E., Detroit, Mich. Clamp operating and locking means. 1,883,687; Oct. 18.

Swartz, Hiram B., Wooster, Ohio. Voting machine. 1,855,427; Apr. 26.

Swartz, Ira T. (See Baker, Arthur R., assignor.)

Swartz, Merrell H., Wadsworth, Ohio. Combined set of book matches and container therefor. Des. 87,894; Oct. 4.

Swartz, Richey L., Canton, Ohio. Dispenser. 1,891,787; Dec. 20.

Swartz, Richey L., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,878,914; Sept. 20.

Swartz, Stephen, Long Beach, Calif., assignor to Jenkins Petroleum Process Company, Chicago, Ill. Clarification of hydrocarbons containing suspended or colloidal complexes. 1,878,650; Sept. 20.

Swartz, Stephen, assignor to Jenkins Petroleum Process Company, Chicago, Ill. Method and apparatus for producing motor fuel from residual oils. 1,885,387; Nov. 1.

Swartzbaugh Manufacturing Company, The. (See Barnes, William A., assignor.)

Swartzbaugh Manufacturing Company, The. (See Barnes, W. A., and Wilkinson, assignors.)

Swartzbaugh Manufacturing Company, The. (See Knaggs, Joseph, assignor.)

Swartzbaugh Manufacturing Company, The. (See Rankin, William A., assignor.)

Swartzlander, Thomas H., Aspinwall, Pa., assignor to Pittsburgh Plate Glass Company, Process and apparatus for grinding glass. 1,890,343; Dec. 6.

Swayze, Paul D., Kansas City, Mo. Suspenders. 1,881,780; July 12.

Sweatringen, Oscar E., Mattoon, Ill. Hand reel. 1,862,611; June 14.

Sweasey, Corn P., Denver, Colo. Egg container. 1,861,557; June 7.

Sweblius, Carl G., New Haven, Conn. Firearm. 1,852,440; Apr. 5.

Swedish American Prospecting Corporation. (See Zuschlag, Theodor, assignor.)

Swedish Crucible Steel Company. (See Bretaud, Joseph V., assignor.)

Sweegers, Theodorus A. J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Illuminated sign. 1,849,736; Mar. 15.

Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Closure fastener, seal pin type. 1,878,551; Sept. 20.
Sweeney, Hugh. (See Best, Richard C., assignor.)
Sweeney, James A., Providence, R. I., assignor to Universal Optical Corporation. Bar material for ophthalmic mountings. Des. 85,649; Mar. 29.
Sweeney, Joseph H., Nashville, Tenn. Corpse head support for undertakers. 1,845,853; Feb. 16.
Sweeney, Joseph R., and E. W. Roberts, assignors to O'Connell and Sweeney, Cincinnati, Ohio. Earth piercing device. 1,872,523; Aug. 16.
Sweeney, Orland L., Ames, Iowa, assignor to National Cornstalk Processes, Inc., Chicago, Ill. Process of and apparatus for the manufacture of synthetic lumber. 1,846,406; Feb. 23.
Sweeney, Russell B. (See Pierce, H. S., and Sweeney.)
Sweeney, Terrence A., Mercer Island, Wash., assignor to Thor Manufacturing Company, Inc. Device for baking an edible product comprising a meat center incased in an envelope of raising dough. 1,875,277; Aug. 30.
Sweet, Alvin H., assignor of one-third to C. A. Alexander, and one-third to R. D. Pearson, Los Angeles, Calif. Preparing foods. 1,868,183; July 19.
Sweet, Andrew T. (See Foley, F. W., and Sweet.)
Sweet, Bertram R., assignor to Whitin Machine Works, Whitinsville, Mass. Spinning or twisting spindle. 1,869,632; Aug. 2.
Sweet, Earl C., Milwaukee, and W. J. Bayer, Shorewood, assignors to Claybourn Process Corporation, Milwaukee, Wis. Trip mechanism for printing presses. 1,840,760; Jan. 12.
Sweet, Frederick D., assignor, by mesne assignments, to Kinstome Patents Corporation, New York, N. Y. Control mechanism. 1,852,134; Apr. 5.
Sweet, Henry F., South Bend, Ind. Sanitary bed attachment. 1,875,522; Sept. 6.
Sweetland, Ernest J., Hartford, Pa. Method and apparatus for removing oil from the crank cases of engines. 1,841,505; Jan. 19.
Sweetland, Ernest J., Piedmont, Calif. Oil filter construction. 1,873,795; Aug. 23.
Sweets Company of America, Inc., The. (See Henry, Ferdinand G., assignor.)
Swenarton, Wardell H. (See Greene, E., and Swenarton.)
Swendeman, Joseph E., Boston, Mass. Rotary plug valve. 1,843,251; Feb. 2.
Swendsen, Carl, Norrkoping, and P. L. Stenman, Stockholm, Sweden. Apparatus for the manufacture of screws. 1,851,783; Mar. 29.
Swendsen, Johan, Oslo, Norway. Electric induction motor. 1,855,073; Apr. 19.
Swenehart, John, assignor to Atlas Powder Company, Wilmington, Del. Blasting assembly. 1,865,447; July 5.
Sweningson, Louis, East Cleveland, assignor to The S. F. P. Engine Co., Cleveland, Ohio. Rotary internal combustion engine. 1,839,275; Jan. 5.
Swenson, Alvin L., and O. Swenson, Independence, Mo. Anchor strings for archery bows. 1,885,962; Nov. 1.
Swenson, Carl B., Rockford, Ill., assignor to Automotive Research Corporation. Transmission. 1,878,200; Sept. 20.
Swenson Evaporator Company. (See Badger, Walter L., assignor.)
Swenson Evaporator Company. (See Caldwell, Harold R., assignor.)
Swenson Evaporator Co. (See Crewson, George G., assignor.)
Swenson Evaporator Company. (See Sadtler, Philip B., assignor.)
Swenson, Joseph W., Summit, N. J. Bottle cap remover. 1,891,020; Dec. 13.
Swenson, Lysle B., Sandy City, Utah. Dirigible headlight. 1,855,654; Apr. 26.
Swenson, Orvar. (See Swenson, Alvin L. and O.)
Swenson, Swen M., Chicago, Ill. Folding desk and chair. 1,856,977; May 3.
Swenson, Theodore L., Bethesda, Md., dedicated to the free use of the public. Preservation of eggs. 1,888,415; Nov. 22.
Swent, John J. (See Engholm, B. A., and Swent.)
Swentor, August W., Kansas City, Mo., assignor, by mesne assignments, to Oswego Falls Corporation, Fulton, N. Y. Capping head. 1,865,402; June 28.
Swern, William E., Kokomo, Ind., assignor to P. E. Frank, Akron, Ohio. Drop side telescopic drum. 1,854,813; Apr. 19.
Swett, Arthur H., Chicago, Ill. Fastener. 1,883,088; Oct. 25.
Swett, Arthur H., Chicago, Ill. Tag. 1,888,704; Nov. 22.
Swetzel, Amanda D., Philadelphia, Pa. Combination double bed clothes attaching cover. 1,867,425; July 19.
Swift, Clement K., Brookline, Pa., assignor to MacAndrews & Forbes Company, Camden, N. J. Gypsum plaster products and plaster-base material. 1,868,272; July 19.
Swift and Company. (See Covey, John E., assignor.)
Swift and Company. (See De Moss, Leonard, assignor.)
Swift and Company. (See Dziedzic, Nicholas J., assignor.)
Swift & Company. (See Guillaudeu, Arthur, assignor.)
Swift and Company. (See Johns, Roy W., assignor.)
Swift & Company. (See McKee, Harry H., assignor.)
Swift & Company. (See Newton, R. C., and Richardson, assignors.)
Swift and Company. (See Newton, Roy C., assignor.)
Swift and Company. (See Paddock, Levi S., assignor.)
Swift & Company. (See Parsons, Clinton H., assignor.)
Swift and Company. (See Scott, A. L., and Schuler, assignors.)
Swift and Company. (See Seaver, Floyd, assignor.)
Swift and Company. (See Siems, Herman B., assignor.)
Swift and Company. (See Walter, Charles T., assignor.)
Swift, Edward B., Seattle, Wash. Anchor. 1,858,347; May 17.
Swift, George W., jr., Inc. (See Swift, George W., jr.)
Swift, George W., jr., Inc. (See Swift, George W., jr., assignor.)
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Machine and process for making corrugated board. 1,848,583; Mar. 8.
Swift, George W., jr., assignor to G. W. Swift, jr., Inc., Bordentown, N. J. Egg case filler. 1,857,984; May 10.
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Clutch. 1,874,651; Aug. 30.
Swift, Hiram H., Evans Mills, N. Y. Strainer. 1,859,184; May 17.
Swift, Howard E., Westfield, Mass. Landing gear. 1,857,011; May 10.
Swift, Justin R., assignor to The Superior Type Company, Chicago, Ill. Drawing kit. 1,866,180; July 5.
Swift Levick and Sons Limited, et al. (See Horsburgh, G. D. L., and Levick, assignors.)
Swift, Lewis B., assignor to Taylor Instrument Companies, Rochester, N. Y. Sanitary fitting for industrial thermometers. 1,890,006; Dec. 6.
Swifton Manufacturing Company. (See Stresau, Richard, assignor.)
Swihart, Frank, assignor to The Dalton Foundries Inc., Warsaw, Ind. Device for removing hub assemblies from axles. 1,859,349; May 24.
Swimsafe Products Corporation. (See Black, E. W., and Hall, assignors.)
Swindell-Dressler Corporation. (See Brooke, F. W., and Cosgrove, assignors.)
Swindell-Dressler Corporation. (See Meehan, Paul A., assignor.)
Swindell, William, & Brothers. (See Brooke, Frank W., assignor.)
Swindell, William, and Brothers. (See Brooke, F. W., and Cosgrove, assignors.)
Swinderman, James L., assignor of one-half to L. F. Vogt, Philadelphia, Pa. Game board. Des. 88,003; Oct. 18.
Swindler, Harry M., Dayton, assignor to The James Leffel and Company, Springfield, Ohio. Stoker air control. 1,866,431; July 5.
Swinehart, George B., Buffalo, N. Y., assignor, by mesne assignments, to American Ore Reclamation Company, Chicago, Ill. Sintering machine. 1,856,273; May 3.
Swinglehurst, Harry, Orange, N. J., assignor to Scott & Williams, Inc., New York, N. Y. Knitting machine cylinder. 1,850,817; Mar. 22.
Swinglehurst, Harry, Orange, N. J., assignor to Scott & Williams, Incorporated, New York, N. Y. Fabric takeup and stop motion device for knitting machines. 1,870,879; Aug. 9.
Swinglehurst, Harry, Orange, N. J., assignor to Scott & Williams, Incorporated, New York, N. Y. Needle dial for knitting machines. 1,887,340; Nov. 8.
Swinnerton Measure Company. (See Laswell, Maynard A., assignor.)
Swink, Rufus C., Berkeley, Calif. Thermographic printing device. 1,868,887; July 12.
Swinland, Ingman. (See Fountaine, Philiza, assignor.)
Swinne, Richard, Berlin-Steglitz, assignor to Siemens & Halske Aktiengeselschaft, Siemensstadt, near Berlin, Germany. Insulating bodies. 1,855,562; Apr. 26.
Swinne, Richard, Berlin-Steglitz, assignor to Siemens & Halske Aktiengeselschaft, Siemensstadt, near Berlin, Germany. Kerr cell. 1,867,193; July 12.
Swinney, John, West Didsbury, England, assignor to General Electric Company. Interlocking mechanism. 1,877,747; Sept. 13.
Swinney, Joseph C., Chattanooga, Tenn. Machine for cutting ice cream or other blocks. 1,852,630; Apr. 5.
Swiss Locomotive and Machine Works. (See Büchi, Alfred, assignor.)
Swiss Locomotive and Machine Works. (See Mattmann, Josef, assignor.)
Switchgear & Cowans, Limited. (See Neep, George H., assignor.)
Switkes, Leon, Brooklyn, assignor to Travelers Efficiency Case Co., Inc., New York, N. Y. Combination traveling case and portfolio. 1,889,765; Dec. 6.
Switlik Parachute and Equipment Company. (See St. Clair, Milton H., assignor.)
Switlik Parachute and Equipment Company, The. (See Switlik, Stanley, assignor.)
Switlik, Stanley, Trenton, N. J. Pilot's safety belt and buckle therefor. 1,877,704; Sept. 13.
Switlik, Stanley, assignor to The Switlik Parachute and Equipment Company, Inc., Trenton, N. J. Reenforcing for parachute shroud cords. 1,849,965; Mar. 15.

Swiltik, Stanley, assignor to Swiltik Parachute and Equipment Company, Trenton, N. J. Parachute pack. 1,839,185; May 17.

Switow, Samuel J., Louisville, Ky. Store front. Des. 87,655; Aug. 23.

Switzery, Paul, Vienna, Austria. Stapling device. 1,865,597; July 5.

Switzer, Floyd R., Birmingham, Ala., assignor to Ribboneew Company, Typewriter ribbon rejuvenator. Re18,441; Apr. 26.

Switzer, Floyd R., Birmingham, Ala., assignor, by mesne assignments, to H. S. Blumenthal, Memphis, Tenn. Typewriter ribbon rejuvenator. Re18,585; Sept. 6.

Switzer Packing Company. (See Dean, William T., assignor.)

Swoboda, H. O., Inc. (See Swoboda, H. O., and Metzger, assignors.)

Swoboda, Hans O., Edgewood, and W. F. Metzger, assignors to H. O. Swoboda, Inc., Pittsburgh, Pa. Electric furnace. 1,839,613; Jan. 5.

Swole, Paul V. (See Kelsey, Frank N., assignor.)

Swope, Charles W., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing sheet glass. 1,857,553; May 10.

Swope, Robert B., and J. Kreiselman, Washington, D. C. Resuscitation and artificial respiration apparatus. 1,848,232; Mar. 8.

Swope, Robert B., and J. Kreiselman, Washington, D. C. Pressure indicating and relief device. 1,848,233; Mar. 8.

Swope, Robert B., and J. Kreiselman, Washington, D. C. Resuscitation apparatus. 1,848,234; Mar. 8.

Swope, Roy W., assignor to Cen-Tennial Cotton Gin Company, Augusta, Ga. Cotton press. 1,845,945; Feb. 16.

Swygart, Anne G. (See Horton, Gustave A., assignor.)

Sydnor, Harold, Elizabeth, N. J., assignor to Standard Oil Development Company. Process and apparatus for cracking hydrocarbons. 1,860,966; May 31.

Sykes, Adrian F., New Barnet, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Reproducers of sound. 1,852,068; Apr. 5.

Sykes, Alexander L., New York, N. Y. Trawl net. 1,852,491; Apr. 5.

Sykes, Ernest M., assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Weighing and counting scale. 1,848,584; Mar. 8.

Sykes, Stanton B. (See Cutler, C. W., and Sykes.)

Sykes, Wilfred, Chicago, Ill. Rolling mill. 1,866,232; July 5.

Sykes, Wilfred, Chicago, Ill. Apparatus for manufacturing iron. 1,873,501; Aug. 23.

Sykes, Wilfred, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,851,506; Apr. 5.

Sykes, William E., Buffalo, N. Y. Change speed gearing for rolling mills and the like. 1,878,729; Sept. 20.

Sykes, William E., Buffalo, N. Y. Flexible coupling. 1,878,730; Sept. 20.

Sykora, Mary G., Des Moines, Iowa. Wearing apparel. 1,857,574; May 10.

Sylva, Lawrence M. (See Bamberg, Edward C.)

Sylvan, Benjamin M., New York, N. Y. Safety razor. 1,870,695; Aug. 9.

Sylvan, Benjamin M., New York, N. Y. Razor blade. 1,871,919; Sept. 13.

Sylvania Industrial Corporation. (See Bleibler, Ernst, assignor.)

Sylvania Industrial Corporation. (See Neidich, Samuel A., assignor.)

Sylvester, Julius, assignor to Simplex Engineering Company, Washington, Pa. Annealing leer. 1,856,668; May 3.

Sylvester, Julius, assignor to Simplex Engineering Company, Washington, Pa. Electric control system for conveyors. 1,856,669; May 3.

Sylvester, Julius, Washington, Pa., assignor to Simplex Engineering Company. Feeder for glass leers. 1,867,889; July 19.

Sylvester, Julius, assignor to Simplex Engineering Company, Washington, Pa. Heating device for leers. 1,868,856; July 26.

Sylvester, Julius, assignor to Simplex Engineering Company, Washington, Pa. Sheet glass forming and annealing method and apparatus. 1,879,998; Sept. 27.

Sylvester, Julius, assignor to Simplex Engineering Company, Washington, Pa. Conveyer roller. 1,885,306; Nov. 1.

Sylvester, William W., Oakland, assignor of one-half to William N. Nelson, Berkeley, Calif. License plate. 1,881,381; Oct. 4.

Symington Company, The. (See Barrows, Donald S., assignor.)

Symington Company, The. (See Blattner, Emil H., assignor.)

Symington Company, The. (See Casey, H. T., and Noser, assignor.)

Symington Company, The. (See Couch, Glenn F., assignor.)

Symington Company, The. (See Lake, Albert H., assignor.)

Symington Company, The. (See Martin, Mark H., assignor.)

Symington Company. The. (See Richards, Willard F., assignor.)

Symington Company, The. (See Suckow, Fred G., assignor.)

Symington Company, The. (See Townsend, Donald L., assignor.)

Symington, Edith R., et al. (See Symington, Thomas H., assignor.)

Symington, T. H. & Son, Inc. (See Casey, Howard T., assignor.)

Symington, T. H., & Son, Inc. (See Drenning, Percy R., assignor.)

Symington, T. H., and Son, Inc. (See Hankins, Cyrus, assignor.)

Symington, T. H., & Son, Inc. (See Martin, Mark H., assignor.)

Symington, T. H., & Son, Inc. (See Symington, Thomas H., assignor.)

Symington, T. H., & Son, Inc. (See Symington, T. H., and Drenning, assignors.)

Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Truck bolster. 1,844,022; Feb. 9.

Symington, Thomas H., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Bolster with lateral motion device. 1,848,282; Mar. 8.

Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway car truck. 1,858,720; May 17.

Symington, Thomas H., assignor to T. T. Symington & Son, Inc., Baltimore, Md. Car floor cushioning means. 1,884,372; Oct. 25.

Symington, Thomas H., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Equalizing bolster. 1,888,940; Nov. 22.

Symington, Thomas H., Baltimore, Md., assignor, by mesne assignments, of one-half to Edith R. Symington, and one-half to Thomas R. Symington, Baltimore, Md. Plank or rail fence. 1,890,629; Dec. 13.

Symington, Thomas H., assignor, by mesne assignments, of one-half to Edith R. Symington, and one-half to Thomas R. Symington, Baltimore, Md. Board fence. 1,890,630; Dec. 13.

Symington, Thomas H., assignor, by mesne assignments, of one-half to Edith R. Symington, and one-half to Thomas R. Symington, Baltimore, Md. Board fence. 1,890,631; Dec. 13.

Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Truck bolster. 1,891,584; Dec. 20.

Symington, Thomas H., and P. R. Drenning, assignors, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Truck bolster. 1,891,583; Dec. 20.

Symington, Thomas R., et al. (See Symington, Thomas H., assignor.)

Symmonds, Charles J., U. S. Army, Kenosha, Wis. Legged structure. 1,883,063; Oct. 18.

Symonds, Cleon W., Pasadena, Calif. Railway crossing. 1,858,472; May 17.

Symonds, Ralph F., Marblehead, Mass. Trawl door. 1,842,684; Jan. 26.

Symons, Arthur H., assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Shore. 1,882,458; Oct. 11.

Symons Bros. Development Company. (See Symons, Loren G., assignor.)

Symons Clamp & Mfg., Company. (See Symons, Arthur H., assignor.)

Symons, Edgar B., Hollywood, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis. Crushing apparatus. 1,863,529; June 14.

Symons, Edgar B., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Crushing apparatus. 1,868,338; July 19.

Symons, Edgar B., Hollywood, Calif. assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Yielding release for crusher bowls. 1,873,671; Aug. 23.

Symons, Edgar B., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Jaw crusher. 1,874,930; Aug. 30.

Symons, Loren G., Hollywood, assignor to Symons Bros. Development Company, Los Angeles, Calif. Screen. 1,839,610; Jan. 5.

Symons, Loren G., Hollywood, assignor to Symons Bros. Development Company, Los Angeles, Calif. Screen. 1,839,614; Jan. 5.

Symons, Loren G., Hollywood, assignor to Symons Brothers Development Company, Los Angeles, Calif. Screen. 1,839,615; Jan. 5.

Symons, Loren G., assignor to Symons Brothers Development Company, Hollywood, Calif. Grizzly bar. 1,876,034; Sept. 6.

Symon, Olive. (See Thompson, Lynn, assignor.)

Synchrome Corporation. (See Wright, Walter L., assignor.)

Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn lifter. 1,860,633; May 31.

Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn picking machine. 1,860,634; May 31.

Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn picking machine. 1,879,588; Sept. 27.

Synthetic Fur Mills Corp. (See Benowitz, A., assignor.)

Synthetic Plastics Company. (See Goldschmidt, H., and Neuss, assignors.)

Syracuse Chilled Plow Company. (See Johnson, Elmo W., assignor.)

Syracuse Washing Machine Corporation. (See Geldhof, Peter E., assignor.)

Syracuse Washing Machine Corporation. (See Hill, Hermann, assignor.)

Syracuse Washing Machine Corporation. (See Nelson, Jabez C., assignor.)

Syracuse Washing Machine Corporation. (See Ringer, Luther, assignor.)

Szakacs, Joseph, Lincoln, Nebr., assignor of one-half to J. Basman, South Milwaukee, Wis. Plow. 1,857,700; May 10.

Szegvári, Andrew. (See Klein, P., Szegvári, McKay, Hoyes, and Trobridge.)

Szekeres, Richard, Margyavovar, assignor to the Firm of Vadasztoltseg-Gyutacs-Es Femarugyar R. T., Budapest, Hungary. Fire stone holder for pyrophoric lighters. 1,845,361; Feb. 16.

Szenic, Aurel, Vienna, Austria. Electromagnetic winding mechanism for clockwork. 1,839,356; Jan. 5.

Szepesi, Eugene, Scarsdale, N. Y. Production planning board. 1,856,453; Nov. 8.

Szepesi, Eugene, Scarsdale, N. Y. Instrument for graphic control. 1,889,006; Nov. 29.

Szikla, Géza, and A. Rozinek, Budapest, Hungary. Gasifying and distilling coal dust. 1,869,949; Aug. 2.

Szulczewski, Phillip, Milwaukee, Wis. Doughnut cooker and fryer. 1,863,210; June 14.

T. & L. Co. Inc., The. (See Tueckmantel, Hugo, assignor.)

T & S Corporation. (See Taylor, Steadman O., assignor.)

T. & T. Vicars Limited. (See Naylor, Joseph F., assignor.)

T. & T. Vicars Limited. (See Tunstall, Harold H., assignor.)

Taber, Frederic H., New Bedford, Mass. Collar or like garment part. 1,857,170; May 10.

Taber, George L., Binghamton, N. Y. Vehicle body suspension. 1,869,285; July 26.

Taber, George H., jr., Rye, and E. W. Isom, Scarsdale, assignors to Sinclair Refining Company, New York, N. Y. Cracking and cooking hydrocarbons. 1,873,068; Aug. 23.

Taber, William P., Adena, Ohio, assignor, by mesne assignments, to Pittsburgh Coal Company, Pittsburgh, Pa. Supporting roof strata during the mining of minerals. 1,854,941; June 19.

Tabern, Donalee L. (See Hansen, N. A., and Tabern.)

Tablet and Ticket Company, The. (See Mackintosh, George, assignor.)

Ta'Bois, Percival L., assignor of seven-twentieths to W. Sefton, London, England. Advertising sign. 1,858,975; May 17.

Tabor, Aubrey H., Iaeger, W. Va. Sign holder. 1,840,176; Jan. 5.

Tabor Engineering Company, The. (See Tabor, L., and Tait, Tabor.)

Tabor, Herman S., Chicago, Ill. Font of type or a similar article. Des. 87,319; July 5.

Tabor, Leroy, Riverton, and J. Tait, Palmyra, N. J., assignors to The Tabor Engineering Company, Philadelphia, Pa. Oil burner. 1,852,380; Apr. 5.

Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)

Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)

Tabor Manufacturing Company, The. (See Wallace, F. R., and Ramsden, assignors.)

Tabulating Machine Company, The. (See Bolt, J. C., and Johnson, assignors.)

Tabulating Machine Company, The. (See Bryce, James W., assignor.)

Tabulating Machine Company, The. (See Campbell, Charles, assignor.)

Tabulating Machine Company, The. (See Carroll, Fred M., assignor.)

Tabulating Machine Company, The. (See Daly, George F., assignor.)

Tabulating Machine Company, The. (See Daly, G. F., and Page, assignors.)

Tabulating Machine Company, The. (See Einstein, Howard C., assignor.)

Tabulating Machine Company, The. (See Ford, Eugene A., assignor.)

Tabulating Machine Company, The. (See Ford, E. A., and Story, assignors.)

Tabulating Machine Company. (See Heldinger, Willy, assignor.)

Tabulating Machine Company. (See Hoffmann, Wilhelm A., assignor.)

Tabulating Machine Company, The. (See Kölm, Ulrich, assignor.)

Tabulating Machine Company, The. (See Lake, Clair D., assignor.)

Tabulating Machine Company, The. (See Lee, Fred L., assignor.)

Tabulating Machine Company, The. (See Lorant, Rudolf, assignor.)

Tabulating Machine Company, The. (See Maul, Michael, assignor.)

Tabulating Machine Company, The. (See Mills, Albert W., assignor.)

Tabulating Machine Company, The. (See Page, Ralph E., assignor.)

Tabulating Machine Company, The. (See Peirce, John R., assignor.)

Tabulating Machine Company, The. (See Schaaff, John T., assignor.)

Tabulating Machine Company. (See Schumacher, Diedrich F., assignor.)

Tabulating Machine Company, The. (See Tauschek, Gustav, assignor.)

Tabulating Machine Company, The. (See Wolff, Robert M., assignor.)

Tacchi, Percy G., Bracklesham, near Chichester, assignor of one-half to E. Mayer-Neville, London, England. Rotary engine. 1,862,440; June 7.

Tachikawa, Shozo, Shiga, assignor to Asahi Kenshoku Kabushiki-Kaisha, Kitaku, Osaka, Japan. Recovering caustic soda from waste lye. 1,868,935; July 26.

Tackberry, Robert D., Lewiston, Me. Stretcher and guider. 1,875,777; Sept. 6.

Tacke, Albert, Rheine in Westfalia, Germany. Driving gear for drums. 1,858,692; May 17.

Tackman, John, New York, N. Y. Rotary engine. 1,872,361; Aug. 16.

Tada, Renzo, Tokyo-Fu, assignor to Toyo Kompuressoru Kabushiki Kaisha, (The Oriental Compressol Co. Ltd.), Tokyo, Japan. Apparatus for forming concrete piles. 1,859,604; Nov. 15.

Tada, Renzo, Toyotama Gun, Tokyo Fu, assignor to Toyo Compressol Kabushiki Kaisa (The Oriental Compressol Co. Ltd.), Tokyo, Japan. Molding device for concrete piles. 1,860,558; May 31.

Taddeo, Luigi, Cleveland, Ohio. Equalizing device for brakes. 1,856,670; May 3.

Taetz, Paul, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Choke coil. 1,862,061; June 7.

Tafel, Robert E., Louisville, Ky. Electric switch operating and holding device. 1,883,089; Oct. 18.

Tafel, Robert E., Louisville, Ky. Electric switching machine. 1,883,090; Oct. 18.

Taferner, Joseph A., et al. (See Litomy, John L., assignor.)

Taft, Levi R., East Jordan, Mich., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Cherry. Pl. Pt. 29; Oct. 4.

Taft, Levi R., East Jordan, Mich., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Cherry. Pl. Pt. 30; Oct. 4.

Taft-Peirce Manufacturing Company, The. (See Simmons, Frank L., assignor.)

Taft, Peter J., Philadelphia, Pa. Bicycle gear shift. 1,867,337; July 12.

Tagit Company, The. (See Borchert, William, assignor.)

Tagle, Roscoe G., Brooklyn, N. Y., and E. H. Currie, East Orange, N. J., assignors, by mesne assignments, to G. J. Watson, Brooklyn, N. Y. Gauge. 1,856,199; May 3.

Tagliabue, Charles J., Mfg. Co. (See Bast, F. J., and Wilhelm, assignors.)

Tailor, Huming, assignor of one-half to L. Timourian, Los Angeles, Calif. Bath brush. 1,864,379; June 21.

Tainton, Urlyn C., East St. Louis, Ill. Electrolysis. 1,839,905; Jan. 5.

Tainton, Urlyn C., Johannesburg, Transvaal, South Africa. Electrodeposition of zinc. 1,861,219; Mar. 29.

Tainton, Urlyn C., Johannesburg, Transvaal, Union of South Africa. Hydrometallurgical treatment of ores. 1,858,944; May 17.

Tainton, Urlyn C., St. Louis, Mo. Roasting ores and concentrates. 1,862,869; June 14.

Tainton, Urlyn C., St. Louis, Mo. Recovery of metals from zinc plant residue. 1,864,777; June 28.

Taisey, Fred R., Lowell, Mass., assinor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,864,157; June 21.

Tait, Elmer H., Portland, Oreg. Device for cleaning dusters or erasers. 1,844,127; Feb. 9.

Tait, John. (See Tabor, L., and Tait.)

Tait, Samuel, assignor to The Vogue Silk Hosiery Co., Philadelphia, Pa. Undergarment. Des. 87,449; July 26.

Tait, William, West Reading, Pa. Stocking. Des. 87,089; May 31.

Tait, William, West Reading, Pa. Stocking. Des. 87,370; July 12.

Tait, William, West Reading, Pa., assignor to Howard Hosiery Company, Philadelphia, Pa. Stocking. Des. 86,147; Feb. 2.

Takaoka, Shotaro, Gardena, Calif. Electric cauterizer. 1,890,270; Dec. 6.

Takamine Corporation. (See Thompson, Olof, assignor.)

Takata, Masaru. (See Morisawa, Nobuo, assignor.)

Takayama, Yoshitaro, Tokyo, Japan. Separating betaine hydrochloride and potassium chloride from waste molasses. 1,870,319; Aug. 9.

Take-A-Toy, Inc. (See Esser, Peter, assignor.)

Takeda, Kenjiro, Nishiku, Osaka, Japan. Patterning metallic, hollow and cylindrical bodies. 1,847,794; Mar. 1.

Takenobu Yamamoto. (See Tanaka, Keiji, assignor.)

Takeshita, Mitsuto. (See Nakatani, K., and Takeshita.)

Talamini, Louis, Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 1,867,603; July 19.

Talas, Louis, assignor to Kny-Scheerer Corporation, New York, N. Y. Bedpan washer. 1,892,291; Dec. 27.

Talbot, Benjamin, Middlesbrough, England, assignor to The Talbot Non-Corrosive Linings Company, Philadelphia, Pa. Lining or coating of pipes and other tubular bodies. 1,890,007; Dec. 6.

Talbot, Bryan W. (See Repschleger, W. E., Armistead, Talbot, and Placette.)

Talbot, Evariste E., (See Daudelin, J. B., and Talbot.)

Talbot, Frank A., See Mann, W. B. W., and Talbot.)

Talbot, Frank A., assignor of one-half to W. B. W. Mann, Baltimore, Md. Nonrefillable receptacle. 1,890,421; Dec. 6.

Talbot, Harrie F. (See Fordyce, R. G., and Talbot.)

Talbot, Harrie F., Peru, Ill., assignor to Radium Dial Company, New York, N. Y. Thermal cut-out plug. 1,848,677; Mar. 8.

Talbot, Howard H. (See Biggert, F. C., jr., Johnson, and Talbot.)

Talbot Non-Corrosive Linings Company, The. (See Talbot, Benjamin, assignor.)

Talbot, Richard J., Springfield, Mass. Power plant. 1,849,386; Mar. 15.

Talbot, Richard J., Springfield, Mass. Automobile servicing apparatus. 1,849,387; Mar. 15.

Talbot, Stanley E., Merton Park, England. Antidazzle fittings for head lamps. 1,876,362; Sept. 6.

Talbot, William K., Seattle, assignor, by mesne assignments, to Ossian Anderson, Everett, Wash. Treating paper pulp. 1,850,733; Mar. 22.

Talbott, Charles G., Stamford, Conn., assignor to The Barrett Company. Roofing strip and process. 1,840,984; Jan. 12.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Spike driver. 1,856,893; May 3.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Excavating machine. 1,874,831; Aug. 30.

Talen, Mauritz W., assignor to Security Fire Door Company, St. Louis, Mo. Elevator door operating mechanism. 1,864,959; June 28.

Taliaferro, Floyd E., Philadelphia, Pa. Lighting fixture. 1,881,836; Mar. 29.

Taliaferro, William R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Metal arc lamp for fuses. 1,843,304; Feb. 2.

Talkes, Louis N., and E. H. Rock, Cleveland, Ohio. Device for automatically stopping the motor of an automobile. 1,845,658; Apr. 19.

Talley, Charlotte, New York, N. Y. Hospital chart and identification card holders. 1,888,811; Nov. 22.

Talley, Randal E., Jr., assignor to Geo. Sept. Hagan Company, Pittsburgh, Pa. Continuous hardening, quenching, and drawing furnace. 1,888,960; Nov. 22.

Talley, Robert H., and C. L. Pritchett, Burnside, Miss. Extension joint for stove pipes. 1,889,711; Nov. 29.

Tallimit-Bild-Gesellschaft. (See Reicher, Hans, assignor.)

Talman, Albert R., assignor of one-half to J. W. Warner, jr., Nashville, Tenn. Direction Indicator. 1,847,469; Nov. 8.

Talman, Harry A., Fort Scott, Kans. Arch support. 1,870,758; Aug. 9.

Talmadge, Frank C. (See Thompson, Thomas D., assignor.)

Tama, Cyrano Berlin, Germany. Method and apparatus for centrifugal casting. 1,844,701; Feb. 9.

Tama, Cyrano, Berlin-Schoneberg, Germany, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Combustion for smelting hearths. 1,879,589; Sept. 27.

Tamagno, Claire, et al. (See Steinfield, Harry, assignor.)

Tamarin, Bernard J., Philadelphia, Pa. Handle for vacuum cleaners. 1,887,173; Nov. 8.

Tamarkin, William, Brooklyn, N. Y. Hinge. Des. 86,814; Apr. 19.

Tamaroff, William, Brooklyn, N. Y. Latch or similar article. Des. 86,860; Apr. 26.

Tambor, Mike, et al. (See Miner, Charles R., assignor.)

Tamburo, Giuseppe S. (See Tamburo, Salvatore S. and G. S.)

Tamburo, Salvatore, et al. (See Foti, Charles, assignor.)

Tamburo, Salvatore S. and G. S., New Kensington, Pa. Combined penholder and inkwell. 1,862,988; June 14.

Tamm, Wilhelm, Kiel, assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Breathing apparatus. 1,847,909; Mar. 1.

Tampke, Hans. (See Schirmacher, Karl and W., Schaich, Wolfram, Tampke, and Billig.)

Tams, Fred C., assignor to Globe Specialty Company, Chicago, Ill. Cigar lighter or similar article. Des. 86,181; Feb. 9.

Tams, Fred C., assignor to Globe Specialty Company, Chicago, Ill. Tray. Des. 86,588; Mar. 22.

Tanaka, Hidashi, Tochigi, Prefecture, Japan. Stainless silver alloy. 1,888,188; Nov. 15.

Tanaka, Hiromu, Suginami-machi, Toyotama-Gun, Tokyo, Japan. Producing potassium sulphate, ammonia sulphate, and alumina from alunite. 1,850,038; Mar. 15.

Tanaka, Keiji, assignor to Takenobu Yamamoto, Osaka, Japan. Counting table. 1,855,837; Apr. 26.

Tanalias, Alexis, Los Angeles, Calif. Nail aligning device. 1,887,109; Nov. 8.

Tanasso, Vincent. (See Pomeranz, J. J., and Tanasso.)

Tanasso, Vincent, New York, and J. J. Pomeranz, Brooklyn, N. Y. Spectacle frame. 1,847,049; Feb. 23.

Tanberg, Ragnar, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. High voltage testing system. 1,872,362; Aug. 16.

Tanberg, Ragnar, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Porous lightning arrester. 1,873,362; Aug. 23.

Tancred, William A. (See Mason A. J., and Tancred.)

Tandberg, John G., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Temperature control apparatus. 1,881,978; Oct. 11.

Tandel, Fritz, assignor to C. G. Haubold A. G., Chemnitz, Germany. Apparatus for feeding knitted goods made from rayon or artificial silk to tentering machines. 1,864,681; June 28.

Tandy, Lewis G. (See Woodard, W. E., and Tandy.)

Tanger, Chelton H., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigeration. 1,873,508; Aug. 23.

Tanguay, Fortunat. (See Prevost, O. J., and Tanguay.)

Tani, Angelo, et al. (See Foti, Charles, assignor.)

Tanikus, Sacramenta G., Atlantic City, N. J. Treating human hair. 1,845,208; Feb. 16.

Tannehill, Otis A., Crane, Tex. Nonvacuum razor. 1,871,631; Aug. 16.

Tannehill, Vernon L., assignor to Fort Wayne Engineering and Manufacturing Company, Fort Wayne, Ind. Pump. 1,854,773; Apr. 19.

Tannehill, Vernon L., assignor to Fort Wayne Engineering and Manufacturing Company, Fort Wayne, Ind. Water heater. 1,886,185; Nov. 1.

Tanner, Arnold J. (See Binion, M. M., and Tanner.)

Tanner, Daniel R., La Grande, Oreg. Lumber marker. 1,875,278; Aug. 30.

Tanner, George, Sandpoint, Idaho. Dogging mechanism. 1,859,713; Jan. 8.

Tanner, George, Sandpoint, Idaho. Saw mill carriage. 1,846,621; Feb. 23.

Tanner, Guy C., Melrose Park, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Undergarment. 1,891,884; Dec. 20.

Tanner, Harold, assignor to Ernest Braithwaite & Son Engineers Limited, Kendal, England. Apparatus for opening and pressing seams. 1,851,467; Mar. 29.

Tanner, Harry L. (See Ford, H. C., and Tanner.)

Tanner, Harry L., Brooklyn, N. Y., deceased; The National City Bank of New York, executor, assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Producing indications. 1,841,341; Jan. 12.

Tanner, Harry L., assignor to The Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic compass. 1,866,733; July 12.

Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Power transmitting apparatus. 1,874,383; Aug. 30.

Tanner, Harry L., deceased, Brooklyn, N. Y.; The National City Bank of New York, executor, assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Indication controlling apparatus. 1,874,652; Aug. 30.

Tanner, Harry L., deceased, Brooklyn, N. Y.; The National City Bank of New York, executor. Speed-responsive controlling device. 1,876,476; Sept. 6.

Tanner, Hubert D., West Hartford, Conn. Automatic variable speed transmission. 1,847,576; Mar. 1.

Tanner, Robert R. (See Thompson, J. S., and Tanner.)

Tanner, Robert R., assignor to Parker Rust-Proof Company, Detroit, Mich. Coated iron or steel article and making the same. 1,873,363; Aug. 23.

Tanner, Robert R., Detroit, and V. M. Darsey, Morenci, assignor to Parker Rust Proof Company, Detroit, Mich. Composition for coating metals and making the same. 1,887,967; Nov. 15.

Tanner, Robert R., Highland Park, and V. M. Darsey, Morenci, assignors to Parker Rust Proof Company, Detroit, Mich. Coated metal article and method of and composition for producing said article. 1,888,189; Nov. 15.

Tanner, William Charles, Wellington, New Zealand. Flushing valve. 1,868,591; July 26.

Tannewitz, Carl H., Grand Rapids, Mich. Inkwell. 1,888,363; Nov. 22.

Tannewitz, Edward F., assignor to Detroit Cord Manufacturing Company, Detroit, Mich. Window mounting. 1,861,034; May 31.

Tannewitz, Edward F., assignor, by mesne assignments, to Detroit Gasket & Manufacturing Company, Detroit, Mich. Antisqueak and finish strip. 1,864,326; June 21.

Tanning Process Company, The. (See Merritt, Matthew M., assignor.)

Tan Sad Chair Company, The (1931) Limited. (See Headley, Frederick H.)

Tanseib Company, The. (See Willis, Glenn H., assignor.)

Tansey, Byron D. (See Greeson, H., and Tansey.)

Tansley, Thomas W., assignor to Bloch Freres Inc., New York, N. Y. Textile fabric. Des. 88,115; Oct. 25.

Tanzi, Guido, Brooklyn, N. Y., assignor to Mario Tanzi & Bros., Inc., Boston, Mass. Manufacturing macaroni. 1,859,416; May 24.

Tanzi, Mario & Bros., Inc. (See Tanzi, Guido, assignor.)

Taper Tube Pole Co. (See De Witt, Clinton, assignor.)

Tapie, Joseph F. (See Taylor, J. L., and Tapie.)

Tapie, Joseph F., assignor of one-half to G. F. Hammond, Santa Barbara, Calif. Treatment of ore. 1,865,979; July 5.

Tapie, Joseph F., assignor of one-half to G. F. Hammond, Santa Barbara, Calif. Apparatus for treatment of ore. 1,869,830; Aug. 2.

Taplin, Harold J., Kew Surrey, assignor to H. J. Taplin and S. H. Kaufmann, London, England. Display device. 1,875,676; Sept. 6.

Taplin, Thomas J., Kew, England, assignor to Metals Production of North America Incorporated, New York, N. Y. Heat treatment of copper ores or the like. 1,865,153; June 28.

Tapp, Ernest T. J., London, England. Self-propelled road vehicle. 1,854,354; Feb. 16.

Tapp, Ernest T. J., and H. Craske, London, England. Refuse vehicle. 1,891,885; Dec. 20.

Tappan, Dewitt, assignor to E. C. Brown Company Rochester, N. Y. Compressed air duster. 1,877,778; Sept. 20.

Tappan Stove Company, The. (See Hadley, Donald L., assignor.)

Tappan Stove Company, The. (See Taylor, Thomas E., assignor.)

Tappert, Emil A., Chicago, Ill. Ventilator. 1,860,061; May 24.

Tapscott, Leldon H., Tuscaloosa, Ala. Grave marker. Des. 86,495; Mar. 8.

Tar & Petroleum Process Company. (See Knowles, Alexander S., assignor.)

Tar & Petroleum Process Company. (See Knowles, A. S., and Andrews, assignors.)

Taruffi, Vittorio, Turin, Italy. Fuel injecting device for internal combustion engines. 1,840,542; Jan. 12.

Tarallo, Pedro, Montevideo, Uruguay. Luminous sign. 1,861,166; May 31.

Tarbin, William T., Eccles, Manchester, England, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 1,871,478; Aug. 16.

Tarbin, William T., Eccles, Manchester, England, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 1,871,479; Aug. 16.

Tarbox, John P. (See Eksergian, C. L., and Tarbox.)

Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Reenforced sheet metal wheel. 1,847,279; Mar. 1.

Tarbox, John P., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Metal blank and forming same. 1,851,023; Mar. 29.

Tarbox, John P., assignor to E. G. Budd Mfg. Company, Philadelphia, Pa. Cover fastening for aircraft. 1,851,220; Mar. 29.

Tarbox, John P., assignor to Edward G. Budd Mfg. Company, Philadelphia, Pa. Vehicle body. 1,855,734; Apr. 26.

Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body structure. 1,865,487; July 5.

Tarbox, John P., assignor to Edward G. Budd Mfg. Company, Philadelphia, Pa. Vehicle body wall construction. 1,867,777; July 19.

Tarbox, John P., Philadelphia, Pa., and W. H. Farr, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Self-locking spoke end attachment. 1,855,460; Apr. 26.

Tarisien, Theophile, Alles d'Agueseau Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,854,722; Apr. 19.

Tark, Marcus B., Philadelphia, Pa., assignor to Link Belt Company, Chicago, Ill. Sewage disposal apparatus. Re18,386; Mar. 15.

Tark, Marcus B., assignor to Link-Belt Company, Philadelphia, Pa. Settling system for separating solids from fluids. 1,864,778; June 28.

Tark, Marcus B., and R. T. Cleveland, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Sludge bed cleaning apparatus. 1,860,300; May 24.

Tarn, Thomas R., Pittsburgh, Pa. Propulsion of vessels. 1,893,035; May 31.

Tarr, James E., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier system. 1,847,245; Mar. 1.

Tarrant Manufacturing Company. (See Tarrant, William P., assignor.)

Tarrant, Robert, Chicago, Ill. Door stop and alarm. 1,866,238; July 5.

Tarrant, William P., assignor to Tarrant Manufacturing Company, Saratoga Springs, N. Y. Spraying apparatus. 1,879,788; Sept. 27.

Tarrence, Harold P., and Charles Howell, Bloomfield, Iowa. Vending machine for bottle pop, beer, and the like. 1,879,590; Sept. 27.

Tar-Rid Chemical Company. (See McPherson, Clarence D.)

Tartaglia, Leonardo M., Albuquerque, N. Mex. Music leaf turner. 1,844,990; Feb. 16.

Tarte, Whitefield R., Bellingham, Wash. Oscillative automobile bumper. 1,865,801; July 5.

Tartrais, Eugene H., Montmorency, France. Two-cycle motor. 1,852,986; Apr. 5.

Tarzian, Sarkes, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving apparatus. 1,867,037; July 12.

Tarzian, Sarkes, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Volume control. 1,885,307; Nov. 1.

Tascher, Joseph. (See Morgenstern, N., and Tascher.)

Tashjian, Armen H., Cleveland, Ohio. Combination steel joist and decking for floor construction. 1,863,237; June 14.

Tashjian, Armen H., Cleveland, Ohio. Light floor construction for skyscrapers. 1,863,258; June 14.

Tashoff, Ronald, Brooklyn, N. Y. Scarf ring. 1,849,388; Mar. 15.

Tasker, Maurice B., Danvers, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter. 1,879,958; Sept. 27.

Tasman, George, Brooklyn, N. Y. Vehicle body. 1,890,704; Dec. 13.

Tate, Alfred O., Toronto, Ontario, Canada. Apparatus for treating light and similar rays. 1,860,824; May 31.

Tate, Alfred O., Toronto, Ontario, Canada. Apparatus for treating light and similar rays. 1,860,967; May 31.

Tate, Alfred O., Toronto, Ontario, Canada. Apparatus for treating light and similar rays. 1,866,915; July 12.

Tate, Alfred O., Toronto, Ontario, Canada. System of scanning. 1,880,294; Oct. 4.

Tate, Alfred O., Toronto, Ontario Canada. Scanning disk. 1,880,295; Oct. 4.

Tate, Edward H., Malden, Mass. Fitting for mops. 1,859,091; Oct. 18.

Tate, George A., assignor of one-half to C. Paulsen, Chicago, Ill. Sectional lamp shade. 1,868,776; July 26.

Tate, J. E. (See Allen, Fred W., assignor.)

Tate, William J., Flint, Mich. Folding visor. 1,853,943; Apr. 12.

Tate, William R., and H. P. Stephenson, Norton-on-Tees, assignors to Imperial Chemical Industries Limited, London, England. Heating hydrogen for use in destructive hydrogenation. 1,848,505; Mar. 8.

Tatham, Norman, Los Angeles, Calif. Scale mechanism. 1,890,706; Dec. 13.

Tatore, Carmine and F., New York, N. Y. Batter's mask and the like. 1,864,926; July 26.

Tatore, Frank. (See Tatore, Carmine and F.)

Tatroe, Raymond F., Coffeyville, Kans. Calendar. 1,891,695; Dec. 20.

Tatsumi, Yeichi, Kamata-ku, Tokyo, T. Ikebe, and K. Okazaki, Toyotama-Gun, Tokyo, assignors to Mitsui Mining Co., Ltd., Tokyo, Japan. Manufacture of pure aluminium oxide. 1,853,097; Apr. 12.

Tatter, John W. (See Sampson, Frederick W.)

Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Brake mechanism. 1,848,678; Mar. 8.

Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Fluid operated apparatus. 1,857,413; May 10.

Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Brake. 1,884,373; Oct. 25.

Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Leak preventing device. 1,884,374; Oct. 25.

Tatter, John W., Detroit, Mich., assignor to Lewis Differential Company, Chicago, Ill. Brake drum. 1,890,705; Dec. 13.

Tatum, John J., Baltimore, Md. Vehicle spring. 1,859,808; May 24.

Tatum, John J., Baltimore, Md. Freight car truck. 1,867,114; July 12.

Tatum, John J., Baltimore, Md. Car coupler. 1,874,653; Aug. 30.

Tatum, John J., Baltimore, Md. Antifriction roller side bearing for railroad cars. 1,887,605; Nov. 15.

Tatum, John J., Baltimore, Md. Slack adjuster for railway brakes. 1,888,942; Nov. 29.

Tatum, John J., Baltimore, Md. Vehicle spring. 1,890,958; Dec. 13.

Tatum, William W. (See Davidson, A., Tatum, and Watts.)

Tatum, William W. (See Lodge, F., and Tatum.)

Tatum, William W., Manchester, England, W. M. Todd, Falkirk, L. J. Hooper, Grangemouth, and J. Thomas, Polmont, Scotland, assignors to Imperial Chemical Industries Limited. Dyes and dyeing. 1,869,286; July 26.

Tätz, Paul, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Power source. 1,839,451; Jan. 5.

Tätz, Paul, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Apparatus adapted to duplex telephony over a single carrier frequency. 1,891,562; Dec. 20.

Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Valve tappet and making the same. 1,854,962; Apr. 19.

Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Lubricating system. 1,871,760; Aug. 16.

Taube, Carl. (See Hentrich, W., and Taube.)

Taube, Carl, Leverkusen-on-the-Rhine, and H. Kükenthal, Opladen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aromatic thiocyanates suitable for combating insect pests. 1,841,458; Jan. 19.

Taube, Carl, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparation of diazo baths suitable for the production of azo dyestuffs on the fiber. 1,880,522 ; Oct. 4.

Taube, Gustav, Riga, Latvia, assignor of twenty-six and two-thirds per cent to Israel B. Brodie, New York, N. Y., twenty-six and two-thirds per cent to Sidney Musher, Baltimore, Md., twenty-six and two-thirds per cent to Boris M. Rubin, Seagate, N. Y. Manufacturing various products from cornstalks, sugar cane, and similar vegetable material. 1,857,885 ; May 10.

Taucher, Urban, Rock Springs, Wyo. Dust barrier. 1,873,161 ; Aug. 23.

Tauchmann, Josef, Berlin-Schoneberg, assignor to Telephon Apparat Fabrik E. Zwietusch and Company, Charlottenburg, Berlin, Germany. Ring winding machine. 1,852,206 ; May 3.

Taunton Pearl Works, Inc. (See Palmer, James A., assignor.)

Taunton Pearl Works, Inc. (See Wakefield, Francis J., assignor.)

Tauschek, Gustav, Vienna, Austria, assignor to The Tabulating Machine Company, Endicott, N. Y., Tabulating machine for bookkeeping purposes. 1,856,445 ; May 3.

Tauschek, Gustav, Vienna, Austria, assignor to The Tabulating Machine Company, Endicott, N. Y. Setting device for calculating machines and the like. 1,880,923 ; Oct. 4.

Tauscher, Arno E., Chicago, Ill. Radio sound box. Des. 86,867 ; Apr. 26.

Tauscher, Arno E., Chicago, Ill. Radio sound box. Des. 86,868 ; Apr. 26.

Tauscher, Arno E., Chicago, Ill. Radio sound box. Des. 86,869 ; Apr. 26.

Tauscher, Arno E., Chicago, Ill. Radio sound box. Des. 86,870 ; Apr. 26.

Tauscher, Arno E., and B. E. Schultze, Chicago, Ill.; said Schultze assignor to said Tauscher, Amplifier for sound reproducers. 1,839,714 ; Jan. 5.

Tauscher, Henry J., Los Angeles, Calif. Variable speed transmission mechanism. 1,855,428 ; Apr. 26.

Taussig, Joseph, assignor to Reflector Hardware Corporation, Chicago, Ill. Electric lamp socket. 1,846,461 ; Feb. 23.

Tausz, Alexander, and F. Stéhlik, Budapest, Hungary. Process and apparatus for preparing printing rollers. 1,878,347 ; Sept. 20.

Tautz, Herbert, assignor to Delta Manufacturing Company, Milwaukee, Wis., Scroll saw. 1,877,705 ; Sept. 13.

Tavani, Joseph, Philadelphia, Pa. Motion picture projecting apparatus. 1,879,241 ; Aug. 30.

Taveau, Rebecca, Elizabeth, N. J., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Preparing alkyl sulphates. 1,845,007 ; Feb. 16.

Tavenner, Walter, Haledon, N. J. Steam heated sad-iron. 1,874,832 ; Aug. 30.

Tawlks Grate Bar Company. (See Tawlks, John T., assignor.)

Tawlks, John T., Everett, Wash., assignor to Tawlks Grate Bar Company, Grate bar. 1,852,492 ; Apr. 5.

Tawreyeg, John W., Bridgeport, N. J., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Separation of taper-fitted parts. 1,843,463 ; Feb. 2.

Tayenthal, Kurt. (See Kleinert, P., and Tayenthal.)

Taylor, A. Lincoln. (See Albright, Elmer E., assignor.)

Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Frequency modulation of high frequency oscillation generators. 1,841,459 ; Jan. 19.

Taylor, Albert H., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Multiple channel transmission system. 1,861,370 ; May 31.

Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Condenser system. 1,875,360 ; Sept. 6.

Taylor, Albert H., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Circuits for purifying high frequency radiation. 1,875,525 ; Sept. 6.

Taylor, Albert H., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Piezo electric crystal control system. 1,875,953 ; Sept. 6.

Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. High frequency transmission system. 1,878,252 ; Sept. 20.

Taylor, Albert H., and L. C. Young, Washington, D. C., assignors, by mesne assignments, to Federal Telegraph Company. High frequency signal transmission circuits. 1,848,912 ; Mar. 8.

Taylor, Albert H., and L. C. Young, Washington, D. C. High frequency electrical system. 1,875,921 ; Sept. 6.

Taylor, Albert H., and L. C. Young, Washington, D. C., assignors, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Reduction of fading effects in radio communication. 1,882,160 ; Oct. 11.

Taylor, Albert L., Jacksonville, Fla. Process retort. 1,874,833 ; Aug. 30.

Taylor, Alvin A. W., Sydney, New South Wales, Australia, assignor, by mesne assignments, to W. R. Cox, Cleveland, Ohio. Radiophone loud speaker. 1,844,375 ; Oct. 25.

Taylor, Art, et al. (See Bennett, H. S., and Schmiedeskamp, assignors.)

Taylor Atkins Paper Company, The. (See Magill, John, assignor.)

Taylor, Bayard E., Oak Park, Ill. Vehicle door latch. 1,840,062 ; Jan. 5.

Taylor, Bert S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Oil-resisting rubber article and making the same. 1,886,759 ; Nov. 8.

Taylor, Bert S., and W. F. Jones, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Transfer composition. 1,885,388 ; Nov. 1.

Taylor Bros. (Sandiacre) Limited. (See Matthews, John D., assignor.)

Taylor, Cecil H. (See Dodge, A. Y., and Taylor.)

Taylor, Cecil H. (See Goeptinger, R. C., and Taylor.)

Taylor, Cecil H., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,850,348 ; May 31.

Taylor, Cecil H., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,873,069 ; Aug. 23.

Taylor, Cecil H., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,876,093 ; Sept. 6.

Taylor, Charles, Beloit, Wis., assignor, by mesne assignments, to L. A. M. Phelan, Chicago, Ill. Ice cream freezing system. Re18,660 ; Nov. 15.

Taylor, Clarence L., Youngstown, Ohio. Controlling means for electric conductors. 1,866,681 ; July 12.

Taylor, Clarence L., Youngstown, Ohio. Machine for pointing sheets and the like. 1,883,092 ; Oct. 18.

Taylor, Clarence L., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Machine for cutting off pipe and the like. 1,880,931 ; Oct. 4.

Taylor, Clarence P., Berkeley, Calif. Traffic button. 1,839,276 ; Jan. 5.

Taylor, Cyril S., New Kensington, and J. D. Edwards, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., Aluminum alloy. Re18,552 ; Aug. 2.

Taylor, Cyrus, Hartford, Conn. Machine for manufacturing tubes. 1,871,865 ; Aug. 16.

Taylor, Daniel E. (See McCormick, Lacy B., assignor.)

Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Circuit control means. 1,880,524 ; Oct. 4.

Taylor, David W., Washington, D. C. Vessel stern. 1,853,158 ; Apr. 12.

Taylor, Edgar W., assignor to Infallible Card Selecting Company Limited, Birmingham, England. Card and like indexing, sorting, tabulating, and like apparatus. 1,857,612 ; May 10.

Taylor, Edmund R. (See Anderson, C. N., Taylor, and Wright.)

Taylor, Edmund R. (See Herman, J., Taylor, and Wright.)

Taylor, Edward A., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Purifying sulphuric acid. 1,842,884 ; Jan. 26.

Taylor, Edward A., Cleveland, Ohio, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, and Wilmington, Del. Making lithopone with high zinc sulphide content. 1,856,671 ; May 3.

Taylor, Edward B., and Thomas B. (See Taylor.)

Taylor, Edward C., Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Shuttle mechanism for wrapping machines. 1,841,506 ; Jan. 19.

Taylor, Edward C., Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead closing mechanism for tire wrapping machines. 1,865,650 ; July 5.

Taylor, Edward H., Oak Park, Ill. Pipe fitting for welding. 1,885,094 ; Oct. 18.

Taylor, Edward M. (See Heald, Roger N., Taylor, Quimby, and Highberg.)

Taylor, Elbert A. (See McKean, Marrett F., assignor.)

Taylor, Elbert A. (See Thinn, C. A., and Taylor.)

Taylor, Elmer Z., Newark, N. J. Manufacture of tubes of paper or like material. 1,876,094 ; Sept. 6.

Taylor, Enid, New York, N. Y. Combined tray and receptles for toilet preparations. Des. 88,289 ; Nov. 8.

Taylor, Ernest C., Sacramento, Calif. Applying paint and the like. 1,850,700 ; Mar. 22.

Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,846,161 ; Feb. 23.

Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,874,499 ; Aug. 30.

Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,875,523 ; Sept. 6.

Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,876,177 ; Sept. 6.

Taylor, Fay E., and J. M. Conway, St. Louis, Mo. Aquarium. 1,852,597 ; Apr. 5.

Taylor Foundry Company Inc. (See Taylor, Lloyd J., assignor.)

Taylor, Frank C., Rochester, N. Y., assignor to Automatic Products Company, Milwaukee, Wis. Safety control for fluid fuel valves. Re18,658 ; Nov. 15.

Taylor, Frank F., Company, The. (See Gill, Donald W., assignor.)

Taylor, Frederick C., administrator. (See Taylor, Frederick D.)

Taylor, Frederick D., deceased, Cranston, R. I.; F. C. Taylor, administrator. Producing designs and patterns. 1,886,846; Nov. 8.

Taylor, George B., Haverford Township, Delaware County, Pa. Railroad track construction. 1,849,969; Mar. 15.

Taylor, George C., Brookline, Mass., assignor to Westinghouse Electric & Manufacturing Company. Back pressure turbine control mechanism. 1,841,425; Jan. 19.

Taylor, George D., Monticello, Ky. Marking test sheets. 1,903,909; May 31.

Taylor, George M. and H. G. Straley, Saratoga, Ind. Merchandise and shipping tag. 1,875,290; Aug. 30.

Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Slub catcher and yarn cleaner. 1,870,152; Aug. 2.

Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Supply-holder. 1,889,815; Dec. 6.

Taylor, Harry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitric acid process. 1,840,063; Jan. 5.

Taylor, Hamilton D., Schenectady, N. Y., assignor to General Electric Company. Dynamo electric machine. 1,890,344; Dec. 6.

Taylor, Herbert P., Scarsdale, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Steak and method of producing same. 1,864,284; June 21.

Taylor, Hardien F., Scarsdale, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Steak and method of producing same. 1,864,285; June 21.

Taylor, Harold V., Montreal, Quebec, Canada. Sectional sash pocket. 1,885,638; Apr. 26.

Taylor, Harold V., assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Sash guide for window frames. 1,876,363; Sept. 6.

Taylor, Harold V., assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Ventilating window. 1,876,365; Sept. 6.

Taylor, Harry, et al. (See Krause, Paul, assignor.)

Taylor, Harry, Burlington, N. J. Tool holder. 1,863,131; June 14.

Taylor, Harry J., New York, N. Y. Bread package. 1,849,774; Mar. 15.

Taylor, Harry S., Erie, Pa. Automobile rear view mirror. 1,847,635; Mar. 1.

Taylor, Headlie S., assignor to H. V. McKay Proprietary Limited, Sunshine, Victoria, Australia. Straw walker. 1,864,005; June 21.

Taylor, Headlie S., assignor to H. V. McKay Proprietary Limited, Sunshine, Victoria, Australia. Apparatus for gathering and feeding in crops. 1,868,437; July 19.

Taylor, Helen A., New York, N. Y. Hair waving means. 1,851,104; Mar. 29.

Taylor, Henry M., Cleveland, Ohio, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,873,364; Aug. 23

Taylor, Henry, and W. Wilson, Newcastle-on-Tyne, assignors to J. H. Holmes & Company Limited, Hebburn-on-Tyne, England. Web tensioning and controlling mechanism for printing machines and the like. 1,879,591; Sept. 27.

Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Electromagnetic relay. 1,877,619; Sept. 13.

Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Adjustable trailing switch connection for railroads. 1,877,742; Sept. 13.

Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Hand operating means for power operated railway traffic controlling devices. 1,886,987; Nov. 8.

Taylor, Herbert E., Elkins Park, assignor to George D. Ellis and Sons, Incorporated, Philadelphia, Pa., Insect trap. 1,865,713; July 5.

Taylor, Herbert M., Toronto, Ontario, Canada, assignor to B. B. Chance, Centralia, Mo. Earth anchor. 1,865,546; July 5.

Taylor, Horace H., Oakland, Calif. Hydraulic shock absorber. 1,855,897; Apr. 26.

Taylor, Howard, Cumberland, Md., assignor to Celanese Corporation of America. Apparatus for forming filaments. 1,883,423; Oct. 18.

Taylor, Howard D., New York, N. Y., assignor to Flexible Truck Corporation, Philadelphia, Pa. Car truck. 1,858,477; May 17.

Taylor, Howard M., Baltimore, Md. Combined advertising stand and mattress support. Des. 87,604; Aug. 16.

Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)

Taylor Instrument Companies. (See Burger, Alfred, assignor.)

Taylor Instrument Companies. (See Cleveland, Robert D., assignor.)

Taylor Instrument Companies. (See Doser, Albert J., assignor.)

Taylor Instrument Companies. (See Hubbard, Karl H., assignor.)

Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)

Taylor Instrument Companies. (See Rosenburgh, Durwood D., assignor.)

Taylor Instrument Companies. (See Strickler, J. R., and Trahe, assignors.)

Taylor Instrument Companies. (See Swift, Lewis B., assignor.)

Taylor, Irma. (See Spicklemire, C. T., and Taylor.)

Taylor, Irwin R., Gary, Ind., assignor to American Sheet and Tin Plate Company. Catcher. 1,863,510; June 14.

Taylor, Jack F. M., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Automatic end point recorder. 1,876,364; Sept. 6.

Taylor, Jacob C., and M. A., Pleasantville, Iowa. Bank protection device. 1,859,638; May 24.

Taylor, James A., assignor to N. B. Taylor, Portland, Me. Expansible bushing for winding cores. 1,858,753; May 17.

Taylor, James H., Oak Park, Ill. Forming pipe elbows. 1,870,954; Sept. 6.

Taylor, James H., Oak Park, Ill. Automatically fed furnace. 1,876,095; Sept. 6.

Taylor, James H., Oak Park, Ill. Pipe fitting for welding. 1,881,979; Oct. 11.

Taylor, James H., Oak Park, Ill. Making nozzles. 1,884,914; Oct. 25.

Taylor, James S., Tulsa, Okla. Hydraulic synchronized lifting means for slips. 1,860,062; May 24.

Taylor, James S., assignor of one-half to E. B. Young, Albuquerque, N. Mex. Battery post. 1,869,524; Aug. 2.

Taylor, James S., and J. C. Smith, assignors of one-half to Iverson Tool Company, Tulsa, Okla. Pump. 1,855,498; Apr. 26.

Taylor, James W., and W. M. Wheless, San Antonio, Tex. Fluid volume control. 1,850,423; Mar. 22.

Taylor, Jessie, Indianapolis, Ind. Corset stay. 1,854,530; Apr. 19.

Taylor, John, Kansas City, Mo. Coil winding and cutting machine. 1,851,787; Mar. 29.

Taylor, John A., Elmhurst, assignor to Niagara Lithograph Company, New York, N. Y. Advertising device. 1,892,194; Dec. 27.

Taylor, John B., Schenectady, N. Y., assignor to General Electric Company. Vibration recording and reproducing apparatus. 1,847,603; Mar. 1.

Taylor, John B., Schenectady, N. Y., assignor to General Electric Company. Film sound reproducer. 1,848,808; Mar. 8.

Taylor, John C., jr., Easton, Pa., assignor to Taylor Wharton Iron and Steel Company, High Bridge, N. J. Self-sharpening dipper tooth. 1,860,355; May 24.

Taylor, John C. Hermansville, Mich. Bowling pin rejuvenator. 1,890,422; Dec. 6.

Taylor, John E. S., assignor to Universal Power Tool Company, Alexandria, Va. Shoe brushing apparatus. 1,870,349; Aug. 9.

Taylor, John E. S., Alexandria, Va., assignor to Universal Power Tool Company, Inc., Baltimore, Md. Polisher. 1,886,136; Nov. 1.

Taylor, John L., and J. F. Tapie, Santa Barbara, Calif. Retort for mineral oils. 1,876,789; Sept. 13.

Taylor, John M., Bridgeport, Pa., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Synthetic resin coating material. 1,848,913; Mar. 8.

Taylor, John W., Soho Foundry, assignor to W. & T. Avery Limited, Birmingham, England. Weighing apparatus. 1,875,955; Sept. 6.

Taylor, Joseph I., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Channel strip and making same. 1,890,308; Dec. 6.

Taylor, Joseph K., Plainfield, N. J., assignor to Sonoco Products Company, Hartsville, S. C. Spool. 1,845,820; Feb. 16.

Taylor, Joseph M. (See Taylor, Walter E. and J. M.)

Taylor, Lloyd J., assignor to Taylor Foundry Company Inc., Wichita Falls, Tex. Jack for motor cars. 1,891,961; Dec. 27.

Taylor, Lorenzo D., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Bleaching of oils. 1,861,513; June 7.

Taylor, Lorenzo D., Lewiston, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 1,861,514; June 7.

Taylor, Maurice A. (See Taylor, Jacob C. and M. A.)

Taylor, Maurice R. (See Peck, C. C., and Taylor.)

Taylor, Nellie B. (See Taylor, James A., assignor.)

Taylor, Nelson. (See Bradshaw, C., and Taylor.)

Taylor, Reginald. (See Ostline, J. E., Taylor, and Beale.)

Taylor, Reginald, Liverpool, and C. E. Beale, London, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,855,650; Nov. 1.

Taylor, Reginald, and F. E. Comyn, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,850,424; Mar. 22.

Taylor, Robert B., assignor to Hawaiian Canneries, Ltd., Kapaa, Hawaii. Recovering pineapple from waste shells. 1,844,810; Feb. 9.

Taylor, Robert B., Kapaa, B. B. Henderson, and O. B. Olsen, Lihue, Hawaii. Juice distributor. 1,859,724; May 24.

Taylor, Robert H., Denver, Colo., assignor to Doherty Research Company, New York, N. Y. Fluid metering apparatus. 1,865,050; June 28.

Taylor, Robert S. (See Lenning, A., and Taylor.)

Taylor, Robert S., Bloomfield, assignor to Electrolux Servel Corporation, New York, N. Y. Continuous absorption refrigerating apparatus. 1,874,654; Aug. 30.

Taylor, Robert S., assignor to Electrolux Servel Corporation, New York, N. Y. Absorber for refrigerators. 1,880,525; Oct. 4.

Taylor, Roy F., Richmond, Ind. Furniture construction. 1,872,525; Aug. 16.

Taylor, Roy J., Ashtabula, assignor of one-half to The American Gypsum Co., Port Clinton, Ohio. Metal clip for plaster board or lath. 1,862,391; June 7.

Taylor, Roy J., Ashtabula, assignor of one-half to The American Gypsum Co., Port Clinton, Ohio. Metal clip for connecting plaster board panels and the like. 1,867,194; July 12.

Taylor, Roy J., Ashtabula County, assignor of one-half to The American Gypsum Co., Port Clinton, Ohio. Metal clip for holding expanded or other metal angle corners in wall. 1,869,289; Dec. 9.

Taylor, Roy J., Ashtabula, assignor of one-half to The American Gypsum Co., Port Clinton, Ohio. Fastening clip for applying plastic lath or the like to wood studding. 1,890,240; Dec. 6.

Taylor, Samuel M., Loyalton, Calif. Saw tooth swage shaper. 1,856,034; Apr. 26.

Taylor, Shantz Company. (See German, Edgar R., assignor.)

Taylor, Steadman O., St. Louis, Mo., assignor to T & S Corporation, Chicago, Ill. Fastening device. 1,859,898; May 24.

Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven door construction for open-top gas ranges. 1,872,019; Aug. 16.

Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven door construction. 1,872,020; Aug. 16.

Taylor, Thomas G., Shawnee, Okla. Self cooling, drilling, and coring bit. 1,870,696; Aug. 9.

Taylor, Thomas G., Shawnee, Okla. Apparatus for holding rotary drilling power units in a well against rotation. 1,870,697; Aug. 9.

Taylor, Thomas H., administrator. (See Priebe, Herman C.)

Taylor, Thomas S., Bartonville, Ontario, Canada. Safety adjustable cutting torch. 1,851,377; Mar. 29.

Taylor, W. A., & Co. (See Jacobsohn, Emanuel H., assignor.)

Taylor, Walter E. and J. M., Richmond, Ky. Plant bed burner. 1,851,760; Mar. 29.

Taylor, Walter H., St. Marys, Ontario, assignor to I. Smith, Westmount, Montreal, Quebec, Canada. Umbilical cord clamp. 1,843,652; Feb. 2.

Taylor, Wesley, New York, N. Y. Mount. 1,839,814; Jan. 5.

Taylor-Wharton Iron and Steel Company. (See Hall, John H.)

Taylor Wharton Iron and Steel Company. (See Taylor, John C., jr., assignor.)

Taylor, William. (See Teahen, J. M., and Taylor.)

Taylor, William, Robinson, Ill., assignor to J. M. Teahan, Detroit, Mich. Flushing apparatus. 1,880,296; Oct. 4.

Taylor, William, Windsor, Ontario, Canada, assignor to J. M. Teahan, Detroit, Mich. Flushing apparatus. 1,880,297; Oct. 4.

Taylor, William F., Lafayette, Ind. Sink. 1,843,635; Feb. 2.

Taylor, William H., Brookfield, assignor to The Mechanical Manufacturing Company, Chicago, Ill. Filling machine. 1,850,425; Mar. 22.

Taylor, William I. (See Dickie, W. A., and Taylor.)

Taylor, William J., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of textile products. 1,883,424; Oct. 18.

Taylor, William J., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Pneumatic tire casing. 1,846,042; Feb. 23.

Taylor, William M., Indianapolis, Ind. Road grading machine or other vehicle. 1,875,778; Sept. 6.

Taylor, William M., assignor to H. R. Allen, Indianapolis, Ind. Oil well heater. 1,864,960; June 28.

Taylor, William T., East Finchley, England. Polyphase transformer system. 1,860,602; May 31.

Tayman, Stewart R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Centering device. 1,859,055; Mar. 15.

Tchoubritch, Michel, assignor to Societe Nouvelle de Constructions Telephoniques, Paris, France. Automatic telephone system. 1,858,491; May 17.

Tea, Clark A., assignor to Chrysler Corporation, Detroit, Mich. Snubber. 1,848,585; Mar. 8.

Teaf, John H., Camden, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Compensating lid support. 1,853,708; Apr. 12.

Teagarden, William B., San Antonio, Tex. Rifle rest. 1,890,423; Dec. 6.

Teague, Merwyn C., Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Closure for containers. 1,872,046; Aug. 16.

Teague, Merwyn C., Jackson Heights, and N. H. Brewster, Brooklyn, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Fibrous material and treating same. 1,845,569; Feb. 16.

Teague, Walter D., Forest Hills, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Calculating machine casing or similar article. Des. 86,496; Mar. 8.

Teague, Walter D., Forest Hills, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reading glass. Des. 87,282; June 28.

Teague, Walter D., Forest Hills, N. Y., assignor to General Register Corporation, Brooklyn, N. Y. Ticket issuing machine cabinet. Des. 87,814; Sept. 20.

Teague, Walter D., New York, N. Y., assignor to National Radiator Corporation, Johnstown, Pa. Cover for boilers, heating furnaces, water heaters, or the like. Des. 87,553; Aug. 9.

Teague, Walter D., New York, N. Y. Camera casing. Des. 88,116; Oct. 25.

Teahan, James M. (See Taylor, William, assignor.)

Teahen, James M., Detroit, Mich., and W. Taylor, Windsor, Ontario, Canada; said Taylor assignor to said Teahen. Water closet. 1,880,298; Oct. 4.

Tear, James D. (See Rhea, T. R., Tear, and Green.)

Tear, James D., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic compass. 1,863,421; June 14.

Te Aroha Dairy Company Limited, The. (See Murray, Henry L., assignor.)

Tears, Albert R. (See Fitch, B. F., and Teare.)

Tears, Claude F., assignor to Universal Oil Company, Chicago, Ill. 1,884,915; Oct. 25.

Teas, John A., Des Moines, Iowa. Cable clamp. 1,852,381; Apr. 5.

Teats, Roscoe. (See Hughes, S., and Teats.)

Teats, Roscoe, Denver, Colo., assignor to American Smelting and Refining Company, New York, N. Y. Separating metals. 1,869,213; July 26.

Teats, Roscoe, and S. Hughes, Denver, Colo., assignors to American Smelting and Refining Company, New York, N. Y. Hanger. 1,892,413; Dec. 27.

Teaver, Joe L., Birmingham, Ala., assignor to J. L. Teaver, N. J. Peters, and C. W. Stumpf, a Copartnership. Bottle opener. 1,886,604; Nov. 8.

Tebault, Alfred G., Portland, Oreg. Dispensing device for gasoline. 1,883,299; Oct. 4.

Tebbs, Howard, Baltimore, Md. Aircraft. 1,876,096; Sept. 6.

Tebbutt, Albert E., Northampton, England. Combined rubber sole and heel. Des. 87,136; June 7.

Tebieff, Alexander N., and E. C. Tebieff, Los Angeles, Calif. Child's vehicle. 1,843,848; Feb. 2.

Tebieff, Ella C. (See Tebieff, Alexander N. and E. C.)

Tebo, Wilbur I., assignor to Haines Hosiery Mills Inc., Philadelphia, Pa. Friction box control mechanism for flat knitting machines. 1,850,520; Mar. 22.

Techmer, Ewald F., assignor, by mesne assignments, to National Kellastone Company, Chicago, Ill. Wall construction. 1,872,527; Aug. 16.

Techmer, Ewald F., assignor, by mesne assignments, to National Kellastone Company, Chicago, Ill. Wall construction. 1,872,528; Aug. 16.

Technical Equipment Company. (See Rawls, Paul C., assignor.)

Technicolor, Inc. (See Atwood, Francis C., assignor.)

Technicolor, Inc. (See Ball, Joseph A., assignor.)

Technicolor Motion Picture Corporation. (See Ball, Joseph A., assignor.)

Technicolor Motion Picture Corporation. (See Kienninger John F., assignor.)

Technicolor Motion Picture Corporation. (See Troland, Leonard T., assignor.)

Technidyne Corporation et al. (See Flanzer, Joseph A., assignor.)

Technidyne Corporation. (See Flanzer, J. A., and Reisman, assignors.)

Technidyne Corporation. (See Jones, L. L., and Flanzer, assignors.)

Technidyne Corporation et al. (See Jones, Lester L. and J., assignors.)

Technidyne Corporation. (See Jones, L. L., Flanzer, and Reisman, assignors.)

Technidyne Corporation. (See Piazze, Thomas E., assignor.)

Technidyne Corporation. (See Reisman, Emil, assignor.)

Technidyne Corporation. (See Yolles, Jacob, assignor.)

Technik und Investment Aktiengesellschaft. (See Voglsanger, Peter, assignor.)

Technimet Company, The. (See Marshall, Leslie H., assignor.)

Technische Chemikalien Compagnie G. m. b. H. (See Fessel, Gumal, assignor.)

Techno-Chemical Laboratories, Limited. (See Testrup, N., Soderlund, and Gram, assignors.)

Tedham, William F., London, England, assignor to Victor Talking Machine Company. Thermionic amplifier for use in conjunction with photo-electric devices. 1,884,576; Oct. 25.

Teece, Sidney H., Boulia, Queensland, Australia. Infinitely variable speed transmission mechanism. 1,839,815; Jan. 5.

Teel, Earl, assignor of one-half to F. B. Swank, Norman, Okla. Static eliminator tube. 1,857,069; May 3.

Teepe-Whitney Corporation. (See Viehmann, Louis J., assignor.)

Teeple, Charles P., assignor to Crane Packing Company, Chicago, Ill. Lubricant. 1,854,237; Apr. 19.

Teeple, Lawrence R., Portland, Oreg. Stoker control switch. 1,885,963; Nov. 1.
Teer, William E., Buckiln, Kans. Valve stem patch for inner tubes. 1,861,102; May 31.
Tees, James E., assignor to Siemens Brothers & Company Limited, London, England. Automatic switch. 1,855,784; Nov. 1.
Teesdale, Clyde H. (See Teesdale, John B. and C. H.)
Teesdale, Clyde H., assignor to Teesdale Manufacturing Company, Grand Rapids, Mich. Controlling means for electric switches. 1,854,316; Apr. 19.
Teesdale, Clyde H., assignor to Teesdale Manufacturing Company, Grand Rapids, Mich. Float operated electric switch. 1,869,030; July 26.
Teesdale, John B. and C. H., assignors to Teesdale Manufacturing Company, Grand Rapids, Mich. Pump. 1,854,317; Apr. 19.
Teesdale, John B. and C. H., assignors to Teesdale Manufacturing Company, Grand Rapids, Mich. Pump. 1,875,398; Sept. 6.
Teesdale, John B., assignor to Teesdale Manufacturing Company, Grand Rapids, Mich. Gauge. 1,888,298; Nov. 22.
Teesdale Manufacturing Company. (See Rich, Claude R., assignor.)
Teesdale Manufacturing Company. (See Teesdale, Clyde H., assignor.)
Teesdale Manufacturing Company. (See Teesdale, John B., assignor.)
Teesdale Manufacturing Company. (See Teesdale, John B. and C., assignors.)
Teeter, Wilford H. (See Kindl, C. H., and Teeter.)
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,844,723; Feb. 9.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,844,499; Feb. 23.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,857,732; May 3.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,861,545; Mar. 29.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,857,733; May 3.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,857,734; May 3.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,883,095; Oct. 18.
Teeter, Wilford H., assignor, by mesne assignments to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,883,096; Oct. 18.
Teeter, Wilford H., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,883,097; Oct. 18.
Teeter, Wilford H., and C. H. Kindl, assignors, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,852,762; Apr. 5.
Teetor, Charles N., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 1,849,698; Mar. 15.
Teetor, Herman, assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring for internal combustion engines. 1,844,923; Feb. 9.
Teetor, Ralph J., Cadillac, Mich. Method and apparatus for the treatment. 1,851,758; Mar. 29.
Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston skirt expander. 1,885,038; Oct. 25.
Teetsow, Waldemar H., Tallinn, Esthonia. Milk evaporator. 1,878,651; Sept. 20.
Tefft, Henry B., assignor to Institute of American Meat Packers, Chicago, Ill. Stunning pen for the killing of animals. 1,843,498; Feb. 2.
Tefft, Ivan D. (See Parker, K. S., Tefft, and Paquette.)
Tefft, Ivan D. (See Platt, J. B., and Tefft.)
Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Desk set structure. 1,892,181; Dec. 27.
Tefra Co., The. (See Frank, Joseph R., assignor.)
Tefra Co., The. (See McNally, Edwin M., assignor.)
Tegtmeyer, Heinrich. (See Walter, W., Hartmann, and Tegtmeyer.)
Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Escutcheon. 1,858,249; May 17.
Telehman, John G., Durand, Mich. Combination lamp stand and radiocabinet. Des. 87,554; Aug. 9.
Telaszeski, Anton. (See Bartkus, John A., assignor.)
Tekavec, John, assignor of one-half to L. D. Farrell, Cleveland, Ohio. Valve reseating tool. 1,857,090; May 3.
Telautograph Corporation. (See Van Nostrand, Arleigh N., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Blomberg, K. H., and Viiren, assignors.)
Telefonaktiebolaget L. M. Ericsson. (See Blomberg, Knut H., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Crowe, Douglas C., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Johnson, Karl G., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Larsson, Knuf, assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Larsson, K., and Palmgren, assignors.)
Telefonaktiebolaget L. M. Ericsson. (See Laurent, Torbern, assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Löfgren, Erik O., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Markman, Fredrik, assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Nilsson, Nils E., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Trechcinski, Roman, assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Vigren, Sten D., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Vos, M., and Sterky, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Boehm, Otto, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, Otto, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gurtler, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Heffner, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Iberg, Waldemar, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, G., Richter, and Wehnert, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knabner, A., and Richter, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kummer, Erich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie. (See Leib, August, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ludenia, W., and Schroeter, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Lux, Heinz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Meissner, Alexander, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Dunos, Meyer, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Pring, Dietrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schmidt, Ommo, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schroeter, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schuster, A. Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, F., and Federmann, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Schriever, Otto, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Tietz, Paul, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Tütz, Paul, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Zepler, Erich, assignor.)
Telegraphie-Patent-Syndikat G. m. b. H. (See Hornauer, Willy, assignor.)
Telegraphie-Patent-Syndikat, G. m. b. H. (See Klappenecker, Wilhelm, assignor.)
Telegraphie-Patent-Syndikat G. m. b. H. (See Stille, Curt, assignor.)
Telegraphy Improvements Company. (See Rustad, L. L., and Extrom, assignors.)
Telehor Aktien-Gesellschaft. (See Von Okolicsanyi, F., and Wikenhauser, assignors.)
Telephon-Apparat Fabrik E. Zweitusch and Company. (See Tauchmann, Georg, assignor.)
Teleregister Corporation, The. (See Daine, R. L., and Guye, assignors.)
Teleregister Corporation, The. (See Frischknecht, E., and Abegglen, assignors.)
Teleregister Corporation. The. (See Haselton, Merton L., assignor.)
Teleregister Corporation, The. (See Haselton, Merton L. and P. S., assignors.)
Teletype Corporation, The. (See Carr, J. O., and Benjamin, assignors.)
Teletype Corporation. (See Hulish, David E., assignor.)
Teletype Corporation. (See Kleinschmidt, Edward E., assignor.)
Teletype Corporation. (See Krum, Howard L., assignor.)
Teletype Corporation. (See Lake, Ross A., assignor.)
Teletype Corporation. (See Morgenstern, Oscar, assignor.)
Teletype Corporation. (See Morton, Sterling, assignor.)
Teletype Corporation. (See Nachumsohn, Irving, assignor.)

Teletype Corporation. (See Reiber, Albert H., assignor.)
Teletype Corporation. (See Wahran, Christopher J., assignor.)
Teletypesetter Corporation. (See Kleinschmidt, Edward E., assignor.)
Televator Corporation. (See Hirshfeld, Jerome, assignor.)
Television Laboratories, Inc. (See Farnsworth, Philo T., assignor.)
Television Limited. (See Baird, John L., assignor.)
Telfer, Andrew, Pittsburgh, Pa., assignor to National Tube Company. Pipe coating and drifting mechanism. 1,850,481; Mar. 22.
Telfer, Edmund V., Newcastle-upon-Tyne, England. Bilge keel or the like anti-rolling device for ships. 1,864,102; June 21.
Telkor, Inc. (See Roe, William C., assignor.)
Teller Corporation. (See Teller, J., and Schulz, Augustus.)
Teller, Fritz. (See Jackelin, H., and Teller.)
Teller, Fritz. (See Günther, F., Teller, Immerheiser, and Zschimmer.)
Teller, Fritz. (See Kunz, M. A., and Teller.)
Teller, Fritz. Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of printing pastes and prints therefrom. 1,845,452; Feb. 16.
Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors to Teller Corporation, Chattanooga, Tenn. Cabinet cooking range. Des. 85,962; Jan. 5.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Gas or electric cooking range or similar article. Des. 86,065; Jan. 19.
Teller, Jacob, New Rochelle, and A. P. Schulz, New York, assignors to Teller Stove Designing Corporation, New York, N. Y. Gas or electric range. Des. 86,874; Apr. 26.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors, by mesne assignments, to Teller Stove Designing Corporation. Gas or electric water heater. Des. 86,899; May 3.
Teller, Jacob and A. P. Schulz, New York, N. Y., assignors, by mesne assignments, to Teller Stove Designing Corporation. Gas or electric water heater. Des. 86,900; May 3.
Teller, Jacob, New Rochelle, and A. P. Schulz, New York, assignors to Teller Stove Designing Corporation, New York, N. Y. Range. Des. 87,032; May 24.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Gas stove and range. 1,840,751; Jan. 12.
Teller, Martin P., assignor to Schutte and Koerting Company, Philadelphia, Pa. Heavy duty valve. 1,867,195; July 12.
Teller Stove Designing Corporation. (See Teller, J., and Schulz, Augustus.)
Temme Manufacturing Co. (See Hausse, Richard H., assignor.)
Temmen, Frank X., Covington, Ky., assignor to Lawrence C. Turnock, Cleveland Heights, Ohio. Apparatus for and method of handling liquid metal. 1,866,682; July 12.
Temple Corporation. (See Andres, P. G., and Temple.)
Temple Corporation. (See Andres, P. G., and Temple, assignors.)
Temple Corporation. (See Bouvier, H. K., and Wells, assignors.)
Temple Corporation. (See Swallow, Joseph, assignor.)
Temple, Floyd L., Terre Haute, Ind. Burial vault. 1,868,887; June 21.
Temple, Fred W. (See Andres, P. G., and Temple.)
Temple, Fred W., Hinsdale, assignor to The Chicago Signal Company, Chicago, Ill. Cutting device. 1,884,377; Oct. 25.
Temple Mfg. Corporation. (See Andres, Paul G., assignor.)
Temple, Paul C., assignor to A. D. Cash Company, Decatur, Ill. Pressure reducing and regulating valve. 1,885,889; Nov. 1.
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Regulating apparatus. 1,890,472; Dec. 13.
Temple, Paul D., Chicago, Ill. Extension cord electric iron holder. 1,872,528; Aug. 16.
Temple, Robert M., Philadelphia, Pa. Supporting means for agitator mechanism. 1,879,774; Sept. 27.
Templer, John W. H., Ealing, London, England. Trawling gear. 1,843,050; Jan. 26.
Templeton, Bryce O., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resistance device. 1,883,098; Oct. 18.
Templeton, Herbert J., Brooklyn, assignor of one-tenth to E. C. Yoannell, New York, N. Y. Moving picture projector. 1,861,197; May 31.
Templeton, Kenly & Co. Limited. (See Crane, Charles A., jr.)
Templeton, Samuel M., assignor to Dayton Scale Company, Dayton, Ohio. Clamping device. 1,880,526; Oct. 4.
Templeton, William R., Roslindale, Mass. Steam trap. 1,844,450; Feb. 9.
Templin, Ellis W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Running gear for motor vehicles. 1,846,284; Feb. 23.
Templin, Richard L., Parnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Testing machine. 1,872,047; Aug. 16.
Templin, Richard L., Parnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Pressure indicating mechanism for rolling mills. 1,875,524; Sept. 6.
Ten Broeck, Edward H. (See Smith, L. B., and Ten Broeck.)
Ten Brook, Andrew, Detroit, Mich. Fitting. 1,877,433; Sept. 13.
Tenbrook, Jesse S., Oakland, Calif. Automatic gear shift. 1,864,103; June 21.
Tench, John R. (See Lachman, M., and Tench.)
Tengler, Johann, Tagerwilen, Switzerland. Manufacture of a cleansing medium and product thereof. 1,867,117; July 12.
Tenhulzen, Albert, jr., Firth, Nebr. Luggage carrier. 1,843,962; Feb. 9.
Tennant, G. H., Company. (See Pennock, Edward M., assignor.)
Tennant, John D., Philadelphia, Pa. Covered collapsible paper box. 1,841,222; Jan. 12.
Tennant, Joseph A., Houston, assignor, by mesne assignments, to Stephens Pump Company, Round Rock, Tex. Pump. 1,888,053; Nov. 15.
Tennent, Alpheus H., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Distilling apparatus for use in reclaiming oils. 1,876,035; Sept. 6.
Tennessee Copper and Chemical Corporation. (See McKee, Ralph H., assignor.)
Tennessee Enamel Manufacturing Co. (See Calton, Robert G., assignor.)
Tennessee Furniture Corporation. (See Frazier, Robert T., assignor.)
Tennessee Products Corporation. (See Carlin, Joseph C., assignor.)
Tenney, Edward H., Webster Groves, Mo. Apparatus for feeding pulverized coal and air to a furnace. 1,884,378; Oct. 25.
Tenney, Edward H., Webster Groves, Mo. Tubular wall structure. 1,886,243; Nov. 4.
Tenney, Frank E., Bridgewater, Mass. Pillow. 1,861,668; June 7.
Tenney, Frank L., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Carbonization device. 1,884,379; Oct. 25.
Tenney, Irving L., New York, N. Y. Making endless record bands. 1,866,583; July 12.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Gear shift mechanism. 1,886,848; Nov. 8.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Synchronizing transmission. 1,886,850; Nov. 8.
Tenney, Perry L., and H. E. Fidler, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Four speed step-down transmission. 1,884,380; Oct. 25.
Tenney, Perry L., and H. E. Fidler, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Universal joint. 1,886,847; Nov. 8.
Tenney, Perry L., and H. E. Le Gros, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Shifter lever mounting. 1,886,849; Nov. 8.
Tennyson, Christian, and A. H. Yeoll, Milwaukee, assignors, by mesne assignments, to Snap-On Tools, Inc., Kenosha, Wis. Valve spring compressor. 1,855,461; Apr. 26.
Tenuta, Vincent, Seattle, Wash. Package handling and binding apparatus. 1,859,375; May 24.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gaseous fuel control system. 1,842,327; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic valve and gas burner. 1,842,328; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic valve for water heaters. 1,842,329; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic valve. 1,842,330; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gaseous fuel control system. 1,842,331; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Valve. 1,842,332; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic fuel control system. 1,842,333; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Automatic fuel control system. 1,842,334; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Fuel control system. 1,842,335; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gas appliance control. 1,842,336; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gaseous fuel control system. 1,842,337; Jan. 19.
Te Pas, Edmund J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Water heater. 1,843,936; Feb. 9.

Te Pas, Edmund J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Safety relief valve. 1,864,380; June 21.

Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age-retarder. 1,841,842; Jan. 12.

Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of vulcanization. 1,880,527; Oct. 4.

Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of rubber vulcanization. 1,880,528; Oct. 4.

Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of rubber vulcanization. 1,880,529; Oct. 4.

Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant. 1,888,705; Nov. 22.

Terrada, Toyomatsu, San Francisco, Calif. Beet harvester. 1,878,349; Sept. 20.

Terasaka, Yasomatsu, Jackson Heights, N. Y. Game. 1,863,858; June 14.

Ter Haak, Pieter. (See van Alphen, J. C., ter Haak, and Lecheit.)

Terhune, Aloysius S., San Diego, Calif. Fresno. 1,861,762; June 7

Ter Horst, William P., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Reaction product of an amine salt of an alkyl-dithio-carbonic acid with benzothiazyl chlorothiocarbonate and process of producing the same. 1,880,300; Oct. 4.

Ter Horst, William P., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of triaryl phosphates. 1,840,335; Jan. 12.

Ter Horst, William P., Packanack Lake, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber. 1,873,880; Aug. 9.

TerHorst, William P., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacture of vulcanized rubber compounds. 1,885,564; Nov. 1.

Terhune, Leonard B., Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Holding means for brushes. 1,885,651; Nov. 1.

Terkelsen, Andrew. (See Derry, Jasper, assignor.)

Terman, Frederick E., Stanford University, Calif. Signaling system. 1,856,949; May 10.

Terman, Frederick E., Stanford University, Calif., assignor to Wired Radio, Inc., New York, N. Y. Electron tube circuit. 1,846,018; Feb. 23.

Terman, Frederick E., Stanford University, Calif., assignor to Wired Radio, Inc., New York, N. Y. Oscillation system. 1,825,632; Aug. 6.

Terme, Jean B. (See Coudert, J. G. M., and Terme.)

Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Centrifugal separator. 1,842,464; Jan. 26.

Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Centrifugal separator for the treatment of fluids or sludges. 1,871,284; Aug. 9.

Ter Meer, Herman, assignor to National Brass Company, Grand Rapids, Mich. Spring bolt latch. 1,871,633; Aug. 16.

Ter Meer, Herman, assignor to National Brass Company, Grand Rapids, Mich. Spring bolt latch. 1,883,099; Oct. 18.

Terminal Engineering Company. (See Brinton, Willard C., assignor.)

Terminal Products Co. Inc. (See Mitchell, Harry A., assignor.)

Ternau, Herman H. (See Ternau, John W., assignor.)

Ternau, John W., Gloucester City, N. J., assignor to H. H. Ternau, New London, Conn. Furnace attachment. 1,862,126; June 7.

Ternes, Raymond F., assignor to Morgan & Wright, Detroit, Mich. Vulcanizing apparatus. 1,881,001; Oct. 4.

Terni Societa per l'Industria e l'Elettricita. (See Fiorelli, Ferdinando, assignor.)

Ternstedt, Klas H., assignor to O. M. Krembs, Chicago, Ill. Making welding rods. 1,867,781; July 19.

Ternstedt Manufacturing Company. (See Archer, T. P., and Flynn, assignors.)

Ternstedt Manufacturing Company. (See Blackmore, Lloyd, assignor.)

Ternstedt Manufacturing Company. (See Carlson, Eric S., assignor.)

Ternstedt Manufacturing Company. (See Edgar, Frank M., assignor.)

Ternstedt Manufacturing Company. (See Field, Herbert C., assignor.)

Ternstedt Manufacturing Company. (See Field, H. C., and Andersen, assignors.)

Ternstedt Manufacturing Company. (See Flynn, John B., assignor.)

Ternstedt Manufacturing Company. (See Haskins, Howard B., assignor.)

Ternstedt Manufacturing Company. (See Haskins, H. B., and Van Voorhees, assignors.)

Ternstedt Manufacturing Company. (See Heintz, E. E., and Archer, assignors.)

Ternstedt Manufacturing Company. (See Hickman, John G., assignor.)

Ternstedt Manufacturing Company. (See McCullough, John F., assignor.)

Ternstedt Manufacturing Company. (See McCullough, J. F. K., and Gilchrist, assignors.)

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Ternstedt Manufacturing Company. (See Schnell, W., and Carlson, assignors.)

Ternstedt Manufacturing Company. (See Schnell, W., and Ehrbar, assignors.)

Ternstedt Manufacturing Company. (See Schnell, W., and Flynn, assignors.)

Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)

Ternstedt Manufacturing Company. (See Simpson, E. G., Cronwall, Andersen, and Field, assignors.)

Ternstedt Manufacturing Company. (See Simpson, E. G., De Sana, and Flynn, assignors.)

Terranova, Salvatore. (See Mangione, J., and Terranova.)

Terre Haute Advertising Company. (See Phelps, Edward M., assignor.)

Terre Haute Boiler Works Company. (See Cliff, William H., assignor.)

Terrell, Harold C., and F. A. Kerkhoff, assignors to The Ohio Parts Company, Cincinnati, Ohio. Battery terminal connection. 1,858,283; May 17.

Terrell, John A., Collingswood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Suspension means for sound translating devices. 1,883,100; Oct. 18.

Terrell, Lossie J., Jasper, Ga. Chain tightening tool. 1,839,715; Jan. 5.

Terrell Machine Company, The. (See Trogdon, William H., assignor.)

Terrey, Arthur, London, England. Delivery and packing apparatus for printing presses. 1,856,978; May 3.

Terrey, Arthur, London, England. Rotary printing press. 1,870,759; Aug. 9.

Terri Cosmetics Corporation. (See Buchbinder, Philip, assignor.)

Terrigino, Fred. (See Tese, Stephen, assignor.)

Terrill, George R., McAlester, Okla. Lock. 1866,955; July 12.

Terry, Charles, Redditch, England. Hair waver. 1,840,543; Jan. 12.

Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Hose clamp. 1,844,023; Feb. 9.

Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Valve. 1,860,075; June 14.

Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Fluid pressure actuated control mechanism. 1,856,565; Nov. 1.

Terry, Clyde B., Los Angeles, Calif. Game apparatus. 1,843,531; Feb. 16.

Terry, Donald M. (See Chesnut, R. W., Terry, and Kannenberg.)

Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Air line oiler. 1,851,602; Mar. 29.

Terry, Edward F., Jr., assignor to Gardner-Denver Company, Denver, Colo. Rock drill support. 1,868,373; July 19.

Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for rock drills. 1,858,333; Nov. 22.

Terry, John B., Berkeley, and R. Craig, Oakland, assignors to Standard Oil Company of California, San Francisco, Calif. Producing sulphonic acids and sulphonates. 1,867,778; July 19.

Terry, Joseph T., Glendale, Calif. Electric arc furnace. 1,889,907; Dec. 6.

Terry, Matson C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Seal for ice making compartments. 1,847,026; Feb. 23.

Terry, Matson C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Compressor. 1,854,318; Apr. 19.

Terry, Matson C., Mansfield, Ohio, and H. E. Pleasant, Rockford, Ill., assignors to Westinghouse Electric and Manufacturing Company. Rubber door gasket. 1,862,285; June 7.

Terry, Owen B., Detroit, Mich. Device for filling fountain pens. 1,854,814; Apr. 19.

Terry, Patrick L., Baraboo, Wis. Corn cultivator. 1,855,320; Apr. 26.

Terry, Roger V., Hilton Village, Va., assignor to Newport News Shipbuilding and Dry Dock Co. Hydraulic machine. 1,858,566; May 17.

Terry, Roy V., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lens tube adjusting appliance. 1,863,384; June 14.

Terry, Thaddeaus S., assignor of one-half to E. J. Work, McEwen, Tenn. Hedge trimmer. 1,868,402; July 19.

Terry, Trent B. (See Waldron, Lewis.)

Terry, Vincent G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Seam finishing machine. 1,856,174; May 3.

Terry, Wallace F., Pittsburgh, Pa., assignor to I. C. Houck, trustee for H. S. Harrop, F. G. Bishoff, R. W. Williams, and W. F. Terry. Marker for aviation fields or the like. Des. 87,605; Aug. 16.

Terry, Walter R. (See Martin, M. J., and Terry.)

Tervo, Oscar, Norway, Me., assignor to Wilfred B. Mathewson, North Weymouth, Mass. Cranberry picker. 1,883,101; Oct. 18.

Ter Voorde, Gerrit L., Magelang, Java, Dutch East Indies. Rail skewer in combination with thrust rails. 1,843,889; Feb. 2.

Terwilliger, Charles O., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Resistance device and insulator. 1,842,435; Jan. 26.

Terwilliger, George E., West Haven, and S. Cook, Stamford, Conn. Hose connection. 1,853,473; Apr. 12.

Terzian, George N., Solvay, assignor to The Solvay Process Company, Syracuse, N. Y. Treating brine. 1,861,763; June 7.

Terzoli, Umberto, Rome, Italy. Blocking device for cables. 1,841,857; Jan. 19.

Teschel, George R., G. Salinger, and L. H. Isaacson, Parkersburg, W. Va. Beveling machine. 1,876,178; Sept. 6.

Tese, Stephen, Rochester, N. Y. Blasting cartridge. 1,845,687; Feb. 16.

Tese, Stephen, assignor of one-half to F. Terrigino, Rochester, N. Y. Blasting cartridge. 1,851,122; Mar. 29.

Te Selle, Polly D., Berkeley, Calif. Tiltably mounted pitcher. 1,878,348; Sept. 20.

Teshima, Isago, San Francisco, Calif. Wading overshoe. 1,877,080; Sept. 13.

Tessandori, Harry, Chicago, Ill. Preserve fruit squeezer. 1,853,369; Apr. 5.

Tessier, Louis, Fitchburg, Mass. Key ring and safety key holder. 1,848,032; Mar. 1.

Tessky, Karl, Esslingen-on-the-Neckar, Germany. Screw cutting appliance for lathes. 1,844,191; Feb. 9.

Tessky, Karl, Esslingen-on-the-Neckar, Germany. Lathe. 1,858,754; May 17.

Tessky, Karl, Esslingen-on-the-Neckar, Germany. Work piece guide for machine tools. 1,891,290; Dec. 20.

Test, Sklies E., Indianapolis, Ind. Amusement device for swimming pools. 1,852,224; Apr. 5.

Test, Skiles E., Indianapolis, Ind. Heat, light, and power system. 1,877,273; Apr. 5.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Blade container. 1,843,946; Feb. 9.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,844,702; Feb. 9.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,847,146; Mar. 1.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,847,701; Mar. 1.

Testi, Nicholas, New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,869,924; Aug. 2.

Testrup, Niels O. Sorbi, and T. Gram, assignors to Techno-Chemical Laboratories, Limited, London, England. Drying device. 1,840,857; Jan. 12.

Teter, Paul E., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Duplex repeater system. 1,841,856; Jan. 19.

Teter, Paul E., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic rider circuits. 1,883,102; Oct. 18.

Tetlow, James G., administrator. (See Stickney, Charles A.)

Tetlow, Lewis J., Holyoke, Mass. Airplane wing. 1,858,194; May 10.

Tetlow, Lewis J., Holyoke, Mass. Anti-tail spin device. 1,858,195; May 10.

Tetreault, Syrie, St. Paul, Alberta, Canada. Tractor plow controller safety hitch. 1,854,723; Apr. 19.

Teupel, Ernest, Dormagen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Alkyl cellulose esters. 1,877,779; Sept. 20.

Tevander, Swan N, Maywood, Ill., assignor to American Can Company, New York, N. Y. Can tester. 1,845,362; Feb. 16.

Tevault, Robert, Galveston, Tex. Spring suspension and bolster ensemble. 1,880,530; Oct. 4.

Teves, Alfred, Maschinen- und Armaturen-Fabrik Gesellschaft mit beschrankter Haftung. (See Engel, Ernst, assignor.)

Teves, Alfred, Frankfort-on-the-Main, Germany. Fluid pressure brake. 1,877,081; Sept. 13.

Tevis, Anthony M., and L. M. Sutter, Eureka, Calif. Engine bracket. 1,885,668; Nov. 1.

Tevis, Robert, Hoboken, N. J. Printing telegraph receiver. 1,861,988; June 7.

Texaco Salt Products Company. (See Martin, Otto V., assignor.)

Texas Chemical Products Company, The. (See Martin, Otto V., assignor.)

Texas Company, The. (See Bailey, Addison S., assignor.)

Texas Company, The. (See Bebimer, Otto, assignor.)

Texas Company, The. (See Bechtel, John J., assignor.)

Texas Company, The. (See Bodemuller, Robert, assignor.)

Texas Company, The. (See Brannan, Homer H., assignor.)

Texas Company, The. (See Chebotaref, Leo P., assignor.)

Texas Company, The. (See Cullison, Benjamin F., assignor.)

Texas Company, The. (See Dearborn, R. J., and Gray, assignors.)

Texas Company, The. (See De Florez, Luis, assignor.)

Texas Company, The. (See Dudley, Andrew T., assignor.)

Texas Company, The. (See Esch, Joseph F., assignor.)

Texas Company, The. (See Fairbairn, George C., assignor.)

Texas Company, The. (See Fouts, Horace A., assignor.)

Texas Company, The. (See Gallsworthy, Benjamin, assignor.)

Texas Company, The. (See Gardner, E. W., and Felder, assignors.)

Texas Company, The. (See Gardner, Thomas P., assignor.)

Texas Company, The. (See Gee, William P., assignor.)

Texas Company, The. (See Grabame, James H., assignor.)

Texas Company, The. (See Gray, George W., assignor.)

Texas Company, The. (See Gumaer, Pierre L., assignor.)

Texas Company, The. (See Hall, Frank W., assignor.)

Texas Company, The. (See Hall, F. W., and Jenkins, assignors.)

Texas Company, The. (See Harrigan, William, assignor.)

Texas Company, The. (See Johnson, Burr C., assignor.)

Texas Company, The. (See Lamson, Horatio W., assignor.)

Texas Company, The. (See Manley, Robert E., assignor.)

Texas Company, The. (See Martin, Otto V. assignor.)

Texas Company, The. (See Merchant, Paul W., assignor.)

Texas Company, The. (See Moore, Norman H., assignor.)

Texas Company, The. (See Moore, William F., assignor.)

Texas Company, The. (See Repschleger, W E., Armistead, Talbot, and Placette, assignors.)

Texas Company, The. (See Ryan, William J., assignor.)

Texas Company, The. (See Taveau, René de M., assignor.)

Texas Company, The. (See Titus, Leon D., assignor.)

Texas Company, The. (See Watson, C. W., and Keith, jr., assignors.)

Texas Company, The. (See White, George D., assignor.)

Texas Gulf Sulphur Company. (See Koube, William H., assignor.)

Texas Iron Works Sales Corporation. (See Bowman, A. M., Graham, and Nixon, assignors.)

Texas Iron Works Sales Corporation. (See Nixon, Jeddy D., assignor.)

Texas Iron Works Sales Corporation. (See Williams, Todd P., assignor.)

Texas Pacific Coal & Oil Co. (See Lederer, Erwin R., assignor.)

Textile-Finishing Machinery Company, The. (See Kane, Thomas E., assignor.)

Textile-Finishing Machinery Company, The. (See Rusden, Ethelbert A., assignor.)

Textile-Finishing Machinery Company, The. (See Rusden, Richard E., assignor.)

Textile-Finishing Machinery Company, The. (See Stellinz, William A., assignor.)

Textile Machine Works. (See Engle, Stephen H., assignor.)

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Textile Machine Works. (See Gastrich, G., and Richter, assignors.)

Textile Machine Works. (See Ischinger, Alfred E., assignor.)

Textile Machine Works. (See Janssen, Henry, assignor.)

Textile Machine Works. (See Krissiep, Max, assignor.)

Textile Machine Works. (See Meyer, Christian F., assignor.)

Textile Machine Works. (See Richter, Emil, assignor.)

Textile Machine Works. (See Richter, Emil and M., assignors.)

Textile Machine Works. (See Richter, Max, assignor.)

Textile Machine Works. (See Zwicky, Melchior, assignor.)

Textile Patent & Process Co. Incorporated. (See Cotchett, Louis M., assignor.)

Textor, Oscar, Shaker Heights, and B. O. Crites, Cleveland, Ohio. Cleaning composition. 1,888,334; Nov. 22.

Textor, Oscar, Shaker Heights, and B. O. Crites, Cleveland, Ohio. Composition for cleaning. 1,888,335; Nov. 22.

Thacher, George H., jr., Melrose, Mass. Mechanical stoker. 1,840,374; Jan. 12.

Thacher, George H., jr., Melrose, Mass. Grate bar. 1,841,307; Jan. 12.

Thacher, George H., Melrose, Mass. Valve. 1,886,315; Nov. 4.

Thacher, John J., Wethersfield, assignor to The Fuller Brush Company, Hartford, Conn. Brush making machine. 1,845,209; Feb. 16.

Thacher Sheldon F. (See Eger, E., and Thacher.)

Thacker, Lawrence C., Smithfield, Va. Peanut digger. 1,866,276; July 5.

Thackeray, Albert G. (See Phillips, J. E., and Thackeray.)

Thaden, Herbert V., Mount Lebanon, Pa., assignor, by mesne assignments, to General Aviation Corporation, New York, N. Y. Aeroplane wing. 1,856,143; May 3.

Thaden, Herbert V., Mount Lebanon, Pa., assignor, by mesne assignments, to General Aviation Corporation, New York, N. Y. Aeroplane structure. 1,870,595; Aug. 9.

Thaheld, Feri A., Dallas, Tex., assignor, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del. Internal combustion engine. 1,859,541; May 24.

Thaheld, Feri A., Dallas, Tex., assignor, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del. Air intake and exhaust mechanism of Diesel type of engines. 1,880,531; Oct. 4.

Thaler, Wilhelm, Heidenheim-on-the. Brenz, Germany. Rotary feeder for pneumatic conveyers. 1,875,677; Sept. 6.

Thalhammer, Karl W., Los Angeles, Calif. Prepayment telephone. 1,862,639; June 13.

Tharp, Charles ., Watsonville, Calif. Leveler. 1,868,122; July 19.

Tharp, Charles W., Watsonville, Calif. Leveler. 1,868,123; July 19.

Tharp, Clark A., Leavenworth, Kans. Copy holding stand. 1,841,770; Jan. 19.

Tharp, James S., Indianola, Iowa. Glare shield for personal wear. 1,844,232; Feb. 9.

Tharp, Nathan L., Clovis, N. Mex. Cotton harvester. 1,842,737; Jan. 26.

Tharp, Igor S. (See Crocker, T. F., and Tharp.)

Tharp, Victor S., Elmhurst, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,853,779; Apr. 26.

Tharp, Victor S., Elmhurst, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,868,956; July 26.

Tharp, Victor S., Elmhurst, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,889,229; Nov. 29.

Tharrington, Bruce A., Roswell, Idaho. Inkwell. 1,864,263; June 21.

Thatcher, Gerald D., Syracuse, N. Y. Emergency brake. 1,858,122; May 10.

Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Feeder for looms. 1,854,963; Apr. 19.

Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,855,699; Apr. 26.

Thatcher, John A., Somerville, Mass. Chuck. 1,841,460; Jan. 19.

Thatcher, Ralph H., Springfield, Ohio. Lubricated bearing. 1,858,315; May 17.

Thatcher, Wilbur E., Hinckley, Ill. Chock block. 1,847,679; Mar. 1.

Thate, George H., Belleville, N. J. Citrus fruit juice extractor. 1,875,678; Sept. 6.

Thau, Max F., Los Angeles, Calif. Roaster. 1,872,050; Aug. 16.

Thau, Walter E., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,859,580; May 24.

Thauss, Alfred, Cologne-Deutz, G. Mauthe, Cologne-Holweide, and A. Doser, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of stable highly chlorinated train oils. 1,841,990; Jan. 1.

Thauss, Alfred, Cologne-Deutz-Mulne, and F. Ballauf, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Thiophenol tanning and mordanting agents. 1,848,508; Mar. 8.

Thauss, Alfred, Cologne-Deutz, G. Mauthe, Cologne-Holweide, and A. Doser, Cologne-Mulheim, Germany, assignors, by mesne assignments, to General Aniline Works Inc., New York, N. Y. Water soluble condensation products of sulphonated aromatic hydrocarbons or hydroxy derivatives thereof with aralkyl halides. 1,860,487; May 31.

Thayer, Allan A., assignor to Auto Spring Control Company, Inc., Jamestown, N. Y. Shock absorber. 1,883,481; Oct. 18.

Thayer, Edward A., L., Chicago, Ill. Screw propeller. 1,892,182; Dec. 27.

Thayer, Irving W., North Haverhill, N. H. Reversible tractor plow. 1,888,399; Nov. 22.

Thayer, James H. (See Wilson, H., and Thayer.)

Thayer, Paul W., Minneapolis, Minn., assignor to American Gas Instruction Company, Newton, Iowa. Hydraulic seal for gas making apparatus. 1,851,069; Mar. 29.

Thayer, Lionel H. (See Kipper, A. F., and Thayer.)

Thayer, Robert W., Long Island, N. Y. Transfusion apparatus. 1,850,273; Mar. 22.

Thayer, Warren L., Hingham, assignor to W. B. Mathewson, Weymouth, Mass. Indicator for grease dispensers. 1,845,894; Feb. 16.

Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Dynamic balancing machine. 1,876,524; Sept. 6.

Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Weight calculating machine. 1,876,525; Sept. 6.

Thearle, Ernest L., and A. B. Hubbard, Schenectady, N. Y., assignors to General Electric Company. Dynamic balancing machine. 1,876,526; Sept. 6.

Thearle, Ernest L., and A. B. Hubbard, Schenectady, N. Y., assignors to General Electric Company. Balancing head. 1,876,527; Sept. 6.

Thebaud, John E., North Merchantville, N. J. Releasably closed opening for containers. 1,846,922; Feb. 23.

Thege, Edvin O. P., assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Starting and reversing device for multi-cylinder internal combustion engines. 1,866,234; July 5.

Theil, Alfred. (See Fluck, R., and Theil.)

Theilacker, Frederick E., Milwaukee, Wis., assignor, by mesne assignments, to Norman P. Harshberger, Scarsdale, N. Y. Composition shingle. Re18,515; July 12.

Thels, Henry J., assignor to Dayton Scale Company, Dayton, Ohio. Pointer for scales. 1,861,943; June 7.

Thels, Henry J., assignor to Dayton Scale Company, Dayton, Ohio. Slicing machine. 1,883,103; Oct. 18.

Thelsen, Fred H., et al. (See Aurig, Max, and Brucklmayr, assignors.)

Thelsen, Luise, et al. (See Aurig, M., and Brucklmayr, assignors.)

Theiss, Harry W. Louisville, Ohio. Metal coating. 1,869,784; Aug. 2.

Thelen, Hilarius, Maspeth, N. Y. Stone bench or setter. 1,886,888; Nov. 8.

Thelen, James S., assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode. 1,886,761; Nov. 8.

Thelen, Nicholas J., St. Cloud, and H. and A. Koopmeiners, Freeport, Minn. Corn planter. 1,880,136; Dec. 6.

Thelen, Otto H. L., Lynn, Mass. Shoe and shank stiffener therefor. 1,850,437; Mar. 21.

Thelen, Peter, Cologne-on-the-Rhine, Germany. Waste trap for basins and the like. 1,856,003; Apr. 26.

Theler, Frederick J., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,891,657; Dec. 20.

Thellmod, Johan E., and B. Zettergren, assignors to H. G. Toruff, Stockholm, Sweden. Automatically working continuous gearing device. 1,859,899; May 24.

Thenak, Edward, assignor to Geck Laboratories, Inc., New York, N. Y. Ligature package. 1,887,529; Nov. 15.

Thermal Engineering Corporation. (See Foster, William H., assignor.)

Thermal Engineering Corporation. (See Mayo, John, assignor.)

Thermal Syndicate Ltd. (See Reynolds, F., and Lees, assignors.)

Thermatomic Carbon Company. (See Miller, Carroll, assignor.)

Thermatomic Carbon Company. (See Spear, Ellwood B., assignor.)

Thermisul Corporation of America. (See Shaver, George D., assignor.)

Thermo Electric Company. (See Hermann, Otto, assignor.)

Thermo Process, Inc. (See Gammeter, John R., assignor.)

Thermoid Rubber Company. (See Ogren, Carl F., assignor.)

Thermoid Rubber Company. (See Stokes, Robert J., assignor.)

Thermophor Manufacturing Company. (See Bell, Thomas P., assignor.)

Thermostatic Control Company. (See Jenney, Melvin R., assignor.)

Thermox Incorporated. (See Bailey, George B., assignor.)

Thermweld Limited. (See Bottrill, David H., assignor.)

Therrien, Arthur J., Brook, assignor to National Brick Company, Chicago, Ill. Manufacturing bricks. 1,857,671; May 10.

Thew Shovel Company, The. (See Wilson, Emery J., assignor.)

Theumann, Max J., Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of powdered plastic material. 1,845,821; Feb. 16.

Theumann, Max J., Lyon, France, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose compositions of matter. 1,870,972; Aug. 9.

Thew Shovel Company, The. (See Barbour, H. C., and Zellman, assignors.)

Thew Shovel Company, The. (See Scott, Harry E., assignor.)

Thew Shovel Company, The. (See Wilson, Emery J., assignor.)

Thewes, William O., North Ridgeville, Ohio. Pipe threading die housing. Des. 87,245; June 21.

Thewes, William O., North Ridgeville, Ohio. Pipe wrench. 1,850,187; Mar. 22.

Thexton, Arthur L., and M. R., assignors to Arthur L. Thexton, Cincinnati, Ohio. Sleeping cover for children. 1,875,525; Sept. 6.

Thexton, Mildred R. (See Thexton, Arthur L. and M. R.)

Theys, John, Denver, Colo. Sprinkling saddle. 1,873,672; Aug. 23.

Thibeau, Antoine, Tourcoing, France. Card. 1,884,381; Oct. 25.

Thibert, Napoleon R., Worcester, Mass. Liquid fuel burner. 1,888,019; Nov. 15.

Thibert, Napoleon R., Worcester, Mass. Liquid fuel burner. 1,890,593; Dec. 13.

Thibodeau, Christopher G., Arlington, assignor of one-half to F. W. Zinn, Boston, Mass. Radiator valve. 1,870,300; Aug. 9.

Thibodeau, Peter, Williamsett, Mass. Foldable seat for small rooms. 1,850,911; Oct. 4.

Thibodeaux, William E., Cleveland, Ohio. Lighting system for automobile lifts. 1,859,349; May 24.

Thiede, Bruno. (See Gruss, H., and Thiede.)

Thiede, William F., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for extinguishing fires in tanks. 1,860,825; May 31.

Thiel, Emil E. (See Noell, E. F., and Thiel.)

Thiel, Emil E., assignor to The Printing Machinery Company, Cincinnati, Ohio. Printer's registering device. 1,885,965; Nov. 1.

Thiel, Frank M. (See Currie, R. A., and Thiel.)
Thiel, Henry A., Charleston, S. C. Trolley for bathing beaches. 1,859,180; May 17.
Thiel, Herman K., Lakeland, Minn. Multiple parallel flash light. 1,875,956; Sept. 6.
Thiel, Louis F. (See Bronander, W. B., Nejedly, and Thiel.)
Thiel, Viktor, assignor to Feltan & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Junction sleeve or the like for deep sea cables. 1,866,235; July 5.
Thiele, Albrecht. (See Dohrn, M., and Thiele.)
Thiele, Friedrich W., assignor to Hanseatische Muhlenwerke Aktiengesellschaft, Hamburg, Germany. Baking composition and mode of preparing same. 1,843,051; Jan. 26.
Thiele, Henry D., Milwaukee, Wis. Under-pad for rugs, carpets, and mats. 1,872,846; Aug. 23.
Thielen, William. (See Pond, H. J., and Thielen.)
Thieler, Erich. (See von Girsewald, C., Siecke, and Thieler.)
Thiemann, William B., Albert City, Iowa. Steering device for tractors. 1,885,964; Nov. 1.
Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Typewriting machine. 1,846,285; Feb. 23.
Thiemer, Reinhold. (See Eichhorn, Ernest, assignor.)
Thierfelder, Guido, Auerbach, Germany. Flat hosiery frame. 1,890,200; Dec. 6.
Thierfelder, Werner, Leipzig, Germany, assignor to James Mackie and Sons, Limited, Belfast, Ireland. Device for packing sliver into cans. 1,858,945; May 17.
Thies, Heinrich, Cologne-Mulheim, Germany. Drying or bleaching carding bands. 1,868,475; July 19.
Thies, Fritz, Berlin-Tempelhof, Germany. Production of soft fabric or the like from vegetable fibrous materials. 1,885,019; Oct. 25.
Thies, Urben C., Dayton, assignor to The Globe Wernicke Company, Cincinnati, Ohio. Hinged structure. 1,860,438; May 31.
Thies, Urban C., Dayton, assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Hinged structure. 1,860,439; May 31.
Thiess, Karl, Frankfort-on-the-Main-Sindlingen, and F. Mainthen, Frankfort-on-the-Main-Rodelheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulfur containing vat dyestuffs and making them. 1,852,263; Oct. 11.
Thimmes, Jesse E., Mechanicsville, Iowa. Switch. 1,884,382; Oct. 25.
Thimmes, George E., Mechanicsville, Iowa. Anti-skid tire chain. 1,869,800; Nov. 29.
Thinn, Christian A., Chicago, and E. A. Taylor, Arlington Heights, assignors to C. A. Dunham Company, Marshalltown, Ill. Temperature control mechanism for heating systems. 1,875,957; Sept. 6.
Thinshell Candies, Inc. (See Nanna, Frank S., assignor.)
Thiophene Products Company. (See Hessle, Eric T., assignor.)
Third Dimension Pictures, Inc. (See Burkhardt, Jakob, assignor.)
Thirlwell, Robert, Newcastle-upon-Tyne, England. Sling-lock. 1,882,167; Oct. 11.
Thirring, Hans. (See Czelja, O., Richtera, and Thirring.)
Thirring, Hans. (See Czelja, O., and Thirring.)
Thiry, Oscar, Epinay, France. Machine for wrapping a band of material around an object. 1,851,877; Mar. 29.
Thobroe, Carl, and F. Lutz, assignors to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Feeding mechanism for sewing machines. 1,841,858; Jan. 19.
Thobroe, Carl, and F. Lutz, assignors to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Feeder mechanism for sewing machines. 1,841,859; Jan. 19.
Thoeming, Walter L., and O. M. Shander, assignors to Z-Ro Specialties Company, Chicago Heights, Ill. Dispensing device. 1,869,120; July 26.
Thoen, Lowell H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Signal. 1,842,700; Jan. 26.
Thoen, Lowell H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Harvester. 1,851,410; Mar. 29.
Thoen, Lowell H., Stockton, assignor to Caterpillar Tractor Company, San Leandro, Calif. Pick-up guard adapter. 1,862,775; June 14.
Thoen, Lowell H., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Harvester pick-up. 1,879,959; Sept. 27.
Thoen, Lowell H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Combined harvester-thresher 1,879,960; Sept. 27.
Thoerig, Conrad W., and E. Jetilek, Vienna, Austria, said Jetilek assignor to Hugo Karvaly, Neuilly, Seine, France. Mechanical contrivance for popular amusement. 1,885,643; Nov. 1.
Tholin, Charles F., Rockford, Ill. Wall cabinet for telephones. 1,886,068; Nov. 1.
Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, Boston, Mass. Shoe bottom filler sheet or piece. 1,841,461; Jan. 19.
Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe. 1,850,309; Mar. 22.
Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, Boston, Mass. Shoe filler piece. 1,855,780; Apr. 26.
Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe filler piece. 1,857,672; May 10.
Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Filling shoes. 1,859,257; May 17.
Thoma, Andrew, assignor to North American Chemical Company, Cambridge, Mass. Shoe-button filler. 1,868,927; July 26.
Thoma, Andrew, assignor to North American Chemical Company, Cambridge, Mass. Making shoe-filler. 1,868,928; July 26.
Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe filling method. 1,890,473; Dec. 13.
Thoma, Andrew, assignor to North American Chemical Company, Cambridge, Mass. Tool for laying shoe filler. 1,883,104; Oct. 18.
Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Filling shoes. 1,883,105; Oct. 18.
Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe bottom filler. 1,883,106; Oct. 18.
Thoma, Dieter, Munich, Germany. Fluid lines. 1,839,616; Jan. 5.
Thoma, Franz, Kaan-Marienborn, Germany. Work rest for material reducing machines. 1,881,147; Oct. 4.
Thoman, Charles J., and W. Westcott, assignors to Hinckley-Myers Company, Jackson, Mich. Glass channel remover. 1,877,620; Sept. 13.
Thoman, Walter C., assignor to The Bartlett Hayward Company, Baltimore, Md. Flexible shaft coupling. 1,870,153; Aug. 2.
Thomas & Armstrong Company, The. (See Mecklenborg, Fred W., assignor.)
Thomas, Adolph A., New York, N. Y. Electric thermostat. 1,839,935; Jan. 5.
Thomas, Adolph A., New York, N. Y. Vehicle bumper. 1,848,851; Mar. 8.
Thomas, Adolph A., New York, N. Y. Electrostatic loud speaker. 1,850,851; Mar. 22.
Thomas, Adolph A., New York, N. Y. Thermostat. 1,856,600; May 3.
Thomas, Adolph A., New York, N. Y. Electromagnetic receiving and transmitting instrument. 1,876,790; Sept. 13.
Thomas, Adolph A., New York, N. Y. Automatic safety system for self-propelled vehicles. 1,883,107; Oct. 18.
Thomas, Adolph A., New York, N. Y. Loud speaker. 1,885,308; Nov. 1.
Thomas, Adolph A., New York, N. Y. Talking movie. 1,891,738; Dec. 20.
Thomas, Albert G., Lynchburg, Va. Pack of playing cards. Des. 87,693; Aug. 30.
Thomas, Albert H., and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Truck bolster. 1,874,229; July 26.
Thomas, Albert N., Wichita, Kans. Hydraulic clutch. 1,866,066; July 5.
Thomas, Albert R., assignor to Servel Sales, Inc., New York, N. Y. Heat exchanger. 1,880,533; Oct. 4.
Thomas, Alexander E., New York, N. Y. Fountain pen holder desk stand. Des. 86,877; Apr. 26.
Thomas, Arthur, Braymer, Mo., assignor of one-half to C. S. Thomas, San Diego, Calif. Blade for sickle bars. 1,851,412; Mar. 29.
Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Card perforating machine or the like. 1,844,811; Feb. 9.
Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Great Britain, Limited, London, England. Card perforating machine or the like. 1,858,174; May 10.
Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Apparatus for winding paper or a like web. 1,872,098; Aug. 16.
Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Mechanism normally operated from a keyboard. 1,876,007; Sept. 6.
Thomas, Arthur, and G. Craig, Thornton Heath, assignors to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Machine for perforating statistical cards. 1,870,184; Aug. 2.
Thomas, Arthur, Thornton Heath, and R. F. Fitz Power, Hampstead, London, assignors to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Punching or like machine. 1,856,737; May 3.
Thomas, Arthur, Thornton Heath, and R. F. Power, Hampstead, London, assignors to The Accounting & Tabulating Corporation of Great Britain, Limited, London, England. Card feeding mechanism. 1,885,874; Nov. 1.
Thomas, Arthur V., Hanover, assignor to E. H. Clapp Rubber Company, Boston, Mass. Attaching rubber to leather. 1,890,345 Dec. 6.
Thomas & Betts Co., The. (See Betts, Hobart D., jr., assignor.)

Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)
Thomas & Betts Co., The. (See Church, Lewis H., assignor.)
Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)
Thomas & Betts Co., The. (See Yanchenko, Basil J., assignor.)
Thomas, Carl C., Pasadena, Calif. Steam separator. 1,889,938; Dec. 6.
Thomas, Cecil O., Montreal, Quebec, Canada. Flexible transmission unit. 1,857,679; May 10.
Thomas, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Temperature controlling device for refrigerating machines. 1,878,201; Sept. 20.
Thomas, Charles H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electrode for gaseous discharge devices. 1,842,215; Jan. 19.
Thomas, Charles H., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. 1,849,775; Mar. 15.
Thomas, Charles M., Burlingame, Calif. Attachment for drawing pens. 1,852,944; Apr. 5.
Thomas, Charles S. (See Thomas, Arthur, assignor.)
Thomas, Charles W., Rexford, and V. W. Allen, Detroit, Mich., assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Alloy. 1,851,146; Mar. 29.
Thomas, Cyril H. (See Roberts, J. D., and Thomas.)
Thomas, Cyril H., Flossmoor, Ill. Expulsion fuse. 1,867,899; July 19.
Thomas, Cyril H., Flossmoor, Ill. Expulsion fuse. 1,872,021; Aug. 16.
Thomas, Daniel D., Township of Moon, Allegheny County, Pa. Grease cup. 1,849,481; Nov. 25.
Thomas, David R., Cleveland, Ohio. Trailer. 1,889,939; Dec. 6.
Thomas, Edgar B. (See Winchester, F. E., and Thomas.)
Thomas, Edward, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Take-up block. 1,880,117; May 17.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Testing device. Re18,421; Apr. 12.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Testing device. 1,869,398; Aug. 2.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Variable ratio compounding scale. 1,880,574; Oct. 4.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,880,575; Oct. 4.
Thomas, Elbert F., Pampa, Tex. Hat display case. 1,872,847; Aug. 23.
Thomas, Emil, Heidelolh, Germany. Steering device for trailers attached to motor vehicles. 1,842,129; Jan. 19.
Thomas, Emma M., Waltham, Mass., assignor to Warren Telechron Company. Clock case. Des. 86,066; Jan. 19.
Thomas, Fairbanks New York, assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronized clock system and secondary clocks therefor. 1,887,221; Nov. 8.
Thomas, Floyd H., Milan, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic tool. 1,846,372; Feb. 23.
Thomas, Frank, Sterling, Ill., assignor, by mesne assignments, to Big Rock Ranch Company, Los Angeles, Calif. Side loading hearse. 1,845,570; Feb. 16.
Thomas, Frank B., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,879,642; Sept. 27.
Thomas, Frank B., Forest Hills Borough, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Locking means for rotatable elements. 1,891,658; Dec. 20.
Thomas, Frank R. (See Salmon, R. D., and Thomas.)
Thomas, Franklin A., Malden, Mass. Arch support. 1,850,122; Mar. 22.
Thomas, Frederick C., Cleveland, Ohio. Aircraft. 1,893,196; Dec. 6.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. Re18,634; Oct. 18.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable bushing. 1,842,216; Jan. 19.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 1,847,147; Mar. 1.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Threadless pipe coupler. 1,872,048; Aug. 16.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Box and fixture support. 1,873,509; Aug. 23.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 1,881,980; Oct. 11.
Thomas, George F., Berwyn, assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,869,722; Aug. 2.
Thomas, George H., Walla Walla, Wash. Gate. 1,849,699; Mar. 15.
Thomas, George J., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,842,885; Jan. 26.
Thomas, Guy, San Antonio, Tex. Reversible variable pitch propeller. 1,847,502; Mar. 1.
Thomas, Guyer D., Yakima, Wash. Distance-indicator for vehicles. 1,879,592; Sept. 27.
Thomas, Harry A., Pittsburgh, Pa. Ventilator. 1,886,605; Nov. 8.
Thomas, Harry C. (See Steele, J. W., and Deitch, assignors.)
Thomas, Harry W., jr., Birmingham, Mich. Reclaiming scrap metal. 1,852,528; Oct. 11.
Thomas, Henry, Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Oil cracking apparatus. 1,863,173; June 14.
Thomas, Henry, London, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Substance clamp for slicing machines. 1,866,236; July 5.
Thomas, Henry, London, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Display tray for slicing machines. 1,878,202; Sept. 20.
Thomas, Henry P., Schenectady, N. Y., assignor to General Electric Company. Time delay apparatus. 1,880,576; Oct. 4.
Thomas, Horace T., Lansing, Mich. Automobile lock. 1,849,000; Jan. 5.
Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Vibration damper. 1,844,991; Feb. 16.
Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Shutter operating mechanism. 1,845,100; Feb. 16.
Thomas, Horace T., Lansing, Mich., assignor to Reo Motor Car Company. Door dovetail. 1,891,289; Dec. 20.
Thomas, Horace T., and B. B. Neuteboom, assignors to Reo Motor Car Company, Lansing, Mich. Two speed axle. 1,876,791; Sept. 13.
Thomas, Horace T., and J. Bethune, Lansing, Mich., and A. B. Hays, Rochester, N. Y., assignors to Reo Motor Car Company, Lansing, Mich. Transmission mechanism. 1,885,156; Nov. 1.
Thomas, Horace T., Lansing, and A. L. Kimball, Detroit, Mich. Manifold construction. 1,889,270; Nov. 29.
Thomas, Hubert S., and W. R. Davies, Whitchurch, Wales. Conveyor for plates and other articles. 1,869,287; July 26.
Thomas, Jack L. (See Bailey, H. H., and Thomas.)
Thomas, Jack L., assignor of one-fourth to E. T. Bruce, one-fourth to W. D. Fawcett, and one-fourth to E. F. Ross, Oklahoma City, Okla. Pressure gauge and pop valve. 1,853,586; Apr. 12.
Thomas, Jack L., assignor of one-fourth to T. Bruce, one-fourth to W. D. Fawcett, and one-fourth to E. F. Ross, Oklahoma City, Okla. Rotary type float valve. 1,880,503; Nov. 29.
Thomas, John. (See Brescher, H. A. E., Fairweather, and Thomas.)
Thomas, John. (See Drescher, H. A. E., Smith, and Thomas.)
Thomas, John. (See Fairweather, D. A. W., and Thomas.)
Thomas, John. (See Hooley, L. J., and Thomas.)
Thomas, John. (See Jones, D. C. R., Thomson, and Thomas.)
Thomas, John. (See Loveluck, R. J., Beckett, and Thomas.)
Thomas, John. (See Shaw, Cecil.)
Thomas, John. (See Shaw, C., Thomson, and Thomas.)
Thomas, John. (See Smith, H., and Thomas.)
Thomas, John. (See Tatum, W. W., Todd, Hooley, and Thomas.)
Thomas, John. (See Wilson, J. S., and Thomas.)
Thomas, John A., Rochester, N. Y. Register for cold and hot air ducts. 1,855,532; Apr. 26.
Thomas, John C., Kingsbury, Tex. Hydraulic or air expanded packer. 1,850,218; Mar. 29.
Thomas, John N., assignor to May Oil Burner Corporation, Baltimore, Md. Advertising device. 1,856,520; May 3.
Thomas, John V., Bandeau, and B. D. Balthis, Los Angeles, Calif. Fluid flow control system. 1,860,516; May 31.
Thomas, Joseph R., Fort Madison, Iowa, assignor of one-half to The Rome Company, Inc. Spring construction for furniture. Re18,560; Aug. 9.
Thomas, Joseph R., Chicago, Ill., assignor of one-half to The Rome Company, Inc. Foldable bed or other structure. 1,877,539; Sept. 13.
Thomas, Kurt, Berlin, Germany. Water closet douche. 1,886,920; Nov. 8.
Thomas, Laurence H. (See Kuhn, F., and Thomas.)
Thomas, Lawrence H. (See Kuhn, F., and Thomas.)
Thomas, Louis, assignor to P. Viet, Billancourt, France. Apparatus for the supply of fuel gas mixture to the cylinders of internal combustion engines. 1,844,192; Feb. 9.
Thomas, Louis G. L., Chicago, Ill. Bearing for impellers. 1,840,752; Jan. 12.
Thomas, Lucy C. (See Ament, Lucy C.)
Thomas, M. R. (See Daddysman, Alonzo F., assignor.)
Thomas, Mable M., executrix. (See Thomas, Thomas H.)
Thomas, Mable M., executrix. (See Thomas, T. H., and Good.)
Thomas, Martin H. (See Hardman, C. H., and Thomas.)
Thomas, Maurice J. C. M., Trobertville, France. Rotatable fluid current machine. 1,846,162; Feb. 23.
Thomas, Minifred D., Chicago, Ill. Nether garment. 1,859,900; May 24.
Thomas, Nicolas F., Detroit, Mich. Landing and taking-off mechanism. 1,854,494; Apr. 19.

Thomas, Noah T., West Hartford, assignor to The Hartford Faience Company, Hartford, Conn. Lighting fixture. 1,860,791 May 31.

Thomas, Noble B., Logansport, Ind. Electrically heated iron. 1,860,301; May 24.

Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Traverse mechanism. 1,856,004; Apr. 26.

Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Automatic belt takeup. 1,858,258; July 19.

Thomas, Philip R. (See Sandeman, E. K., Thomas, and Grove.)

Thomas, Raymond M., Wayne, Pa. Baby's thermochest. 1,860,302; May 24.

Thomas, Robert, and W. Thomas, Philadelphia, Pa. Dilator. 1,860,725; June 14.

Thomas, R., & Sons Company, The. (See Vincent, Harold B., assignor.)

Thomas, Robert W., assignor to General Glass Corporation, Lancaster, Ohio. Mug or similar article. 87,606; Aug. 16.

Thomas, Roswell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Customer's equipment for storage and dispensing liquefied gas. 1,854,352; Apr. 19.

Thomas, Roswell W., assignor to Phillips Petroleum Company, Bartlesville, Okla. Dehydration of cooling of air or other gases. 1,859,161; Nov. 29.

Thomas, Roswell W., and G. G. Oberfell, assignors to Phillips Petroleum Company, Bartlesville, Okla. Dehydration of air or the like and gaseous mixtures. 1,859,162; Nov. 29.

Thomas, Roy, Los Angeles, Calif. Torch. 1,875,361; Sept. 6.

Thomas, Sebastien, and M. T. Robert, Paris, France. Feeding arrangement for electric devices. 1,843,525; Feb. 2.

Thomas, Seth, Clock Company, The. (See Dreyfuss, Henry, assignor.)

Thomas, Stephen S., Lebanon, Ohio. Expansion tube for liquid gas systems. 1,855,644; Nov. 1.

Thomas, Sydney. (See Vernon, W., and Thomas.)

Thomas, Sydney E. (See Quick, W., Thomas, and Berwick.)

Thomas, Sydney E., West Hounslow, England. Sliding window of the balance type. 1,851,879; Mar. 29.

Thomas, Thomas H., deceased; M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,842,481; Jan. 26.

Thomas, Thomas H., deceased; M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,842,482; Jan. 26.

Thomas, Thomas H., deceased; M. M. Thomas, executrix, Edgewood, and Uncas A. Whitaker, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,842,483; Jan. 26.

Thomas, Thomas H., deceased; M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,842,484; Jan. 26.

Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,842,494; Jan. 26.

Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake device. 1,850,609; Mar. 22.

Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick release device. 1,879,643; Sept. 27.

Thomas, Thomas H., deceased, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster and brake system. 1,879,644; Sept. 27.

Thomas, Thomas H., deceased, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,879,645; Sept. 27.

Thomas, Thomas H., deceased, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,879,646; Sept. 27.

Thomas, Thomas H., deceased, by M. M. Thomas, executrix, Edgewood, and J. N. Good, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Train control device. 1,881,148; Oct. 4.

Thomas, Thomas H., deceased, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,887,606; Nov. 15.

Thomas, Thomas H., deceased, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Maintaining valve device. 1,887,702; Nov. 15.

Thomas, Thomas H., Edgewood, and U. A. Whitaker, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Coupling valve device. 1,850,573; Mar. 22.

Thomas, Thomas P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Revitalizing chromium-plating solutions. 1,851,603; Mar. 29.

Thomas, Thomas R., Newark, N. J., assignor to Auto Research Corporation. Steering knuckle lubrication. 1,891,459; Dec. 20.

Thomas, Thomas S., Malad, Idaho. Railroad rail joint bridge. 1,887,292; Nov. 8.

Thomas, Walter F., St. Helens, Isle of Wight, England. Power transmitting mechanism in prime movers. 1,869,288; July 26.

Thomas, Wayne B., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Cap setting tool. 1,867,288; July 12.

Thomas, William. (See Thomas, Robert and W.)

Thomas, William D., Lynnfield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Safety device. 1,864,697; June 28.

Thomas, William D., Lynnfield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and sole positioning mechanism. 1,877,434; Sept. 13.

Thomas, William M., assignor of one-fourth to F. W. Lee and one-fourth to B. G. Johnson, Albuquerque, N. Mex. Carburetor. 1,857,070; May 3.

Thomas, William M., assignor of one-fourth to F. W. Lee and one-fourth to B. G. Johnson, Albuquerque, N. Mex. Carburetor. 1,869,785; Aug. 2.

Thomas, Willis F., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,840,544; Jan. 12.

Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,840,545; Jan. 12.

Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,842,300; Jan. 19.

Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,847,451; Mar. 1.

Thomaschewski, Paul E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of monobenzoyldiaminoanthraquinones. 1,868,124; July 19.

Thomasson, A. R. (See Elms, John E., assignor.)

Thomasson, Robert C., Alderwood Manor, Wash. Expansion joint groove forming device. 1,862,612; June 14.

Thometz, Mathias A., assignor to The Kohlhaas Company, Chicago, Ill. Attachment asserting and temporary filing device. 1,861,764; June 7.

Thompsett, Harry A., Ealing, London, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Talking machine. 1,855,563; Apr. 26.

Thompsett, Harry A., Ealing, London, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Talking machine. 1,879,593; Sept. 27.

Thompson, Albert C. (See Almquist, M. L., and Thompson.)

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Can drainer. 1,843,995; Feb. 9.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Can feeder and timer. 1,843,996; Feb. 9.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Can drainer. 1,843,997; Feb. 9.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Filling containers with liquid. 1,884,916; Oct. 25.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Combined cooker and cooler. 1,878,025; Sept. 20.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Can feeder for vertical coolers. 1,889,908; Dec. 6.

Thompson, Alfred H., Los Angeles, Calif. Burner. 1,879,832; Sept. 27.

Thompson, Alice, New York, N. Y. Textile fabric or the like. 88,178; Nov. 1.

Thompson, Allison C., Cleveland, Ohio. Lamp hanger structure. 1,858,908; May 17.

Thompson, Allison J., Cleveland, Ohio. Connection for lamp hanger conductors. 1,872,529; Aug. 16.

Thompson, Andrew, Niagara Falls, assignor to The Embossing Company, Albany, N. Y. Signboard outfit. 1,859,755; May 24.

Thompson, Archie F., assignor to Iceless Air Wing Corporation, Tulsa, Okla. Heater for airplane wings. 1,868,468; July 19.

Thompson, Arthur S., Ontario, Calif. Vehicle body. 1,841,991; Jan. 19.

Thompson, Arthur S., Ontario, Calif. Folding bed and table structure. 1,841,992; Jan. 19.

Thompson, Basil, Tucson, Ariz. Suturing device. 1,876,792; Sept. 13.

Thompson, Benjamin H., Ardara, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reversing valve for fluid compressors. 1,879,647; Sept. 27.

Thompson Brothers (Bilston) Limited. (See Burn, Lewis, assignor.)

Thompson, Browder J., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,887,390; July 12.

Thompson, Carl G., St. Louis, Mo. Aircraft. 1,845,943; Feb. 16.

Thompson, Charles F., Relay, Md. Chair attachment. 1,882,264; Oct. 11.
Thompson, Charles J., et al. (See Treanor, John E., assignor.)
Thompson, Charles L., Elizabeth, Colo. Flavoring syrup pump. 1,846,500; Feb. 23.
Thompson, Charles P., Westmont, assignor to William S. Scull Company, Camden, N. J. Bag or similar container. Des. 87,450; July 26.
Thompson, Charles S., Elmhurst, Ill., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,841,993; Jan. 19.
Thompson, Charles S., Park Ridge, and W. B. Long, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,884,383; Oct. 25.
Thompson, Charles W., Wollaston, Mass., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Roll towel cabinet. 1,849,120; Mar. 15.
Thompson, Charles W., Wollaston, Mass., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Roll towel cabinet. 1,849,121; Mar. 15.
Thompson, Christopher C. (See MacLennan, John C., assignor.)
Thompson, Clifton E., Grand Rapids, Mich. Hinge. 1,839,452; Jan. 5.
Thompson, Clinton O. (See Martens, F. J., and Thompson.)
Thompson & Company. (See Andrews, Clarence W., assignor.)
Thompson, Cyrus E., Winfield, Kans. Paper clip. 1,873,228; Aug. 23.
Thompson, D. Emmett, et al. (See Minnard, Paul, assignor.)
Thompson, Dell, Detroit, Mich., assignor to Drying Systems, Inc., Chicago, Ill. Air conditioning apparatus. 1,871,195; Aug. 16.
Thompson, Earl A., Portland, Oreg., assignor to General Motors Corporation, Detroit, Mich. Clutch mechanism for transmissions. 1,854,281; Apr. 19.
Thompson, Earl A., Portland, Oreg., assignor to General Motors Corporation, Detroit, Mich. Transmission. 1,889,614; Nov. 22.
Thompson, Earl A., Portland, Oreg., assignor to General Motors Corporation, Detroit, Mich. Power transmission mechanism. 1,873,255; Aug. 23.
Thompson, Earl A., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Power transmission mechanism. 1,873,088; Aug. 16.
Thompson, Ellis J., Lynbrook, N. Y. Paper bag. 1,883,108; Oct. 18.
Thompson, Emery, New Rochelle, N. Y. Motor and pump assembly for ice cream freezers. 1,883,109; Oct. 18.
Thompson, Ernest H., Evanston, Ill. Aligning and positioning device for printing plates. 1,859,151; May 17.
Thompson, Ernest H., Winnetka, assignor to Johnson Fare Box Company, Chicago, Ill. Token depositary and account device. 1,862,041; Jun. 7.
Thompson, Ernest S., and J. R. Ulery, Strathmore, Calif. Cultivator. 1,880,577; Oct. 4.
Thompson, Fred C., Detroit, Mich., assignor, by mesne assignments, to Autocar Research Corporation. Change speed device. 1,877,540; Sept. 13.
Thompson, Gustavus W., Syracuse, N. Y. Golf tee. 1,846,407; Feb. 23.
Thompson, Henry E. (See Lorentowicz, H. R., and Thompson.)
Thompson, Henry G., assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery hold-down. 1,868,032; July 19.
Thompson, Herbert H., Mountain Lakes, N. J., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic compass. 1,854,869; Apr. 19.
Thompson, Herbert H., Mountain Lakes, N. J., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Damper for gyrocompasses. 1,854,870; Apr. 19.
Thompson, Herbert H., Mountain Lakes, N. J., and E. C. Sperry, Garden City, N. Y., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc. Constant period gyro compasses. 1,886,066; Nov. 8.
Thompson, Herbert L., Elgin, Ill., assignor to Addressograph Company, Wilmington, Del. Making punches and dies for embossing printing characters in metal plates. 1,885,777; July 26.
Thompson, Herbert L., Elgin, and E. Wilderson, Chicago, Ill., assignors to Addressograph Company, Wilmington, Del. Printing machine. 1,841,860; Jan. 19.
Thompson, Herbert L., Elgin, and E. Wilderson, Chicago, Ill., assignors to Addressograph Company, Wilmington, Del. Printing machine. 1,841,861; Jan. 19.
Thompson, Herbert L., Elgin, and E. Wilderson, Chicago, Ill., assignors to Addressograph Company, Wilmington, Del. Ink ribbon feed for printing machines. 1,841,862; Jan. 19.
Thompson, Herbert L., Elgin, assignor to Reynolds Wire Co., Dixon, Ill. Shuttle structure for wire cloth looms and handling weft wire. 1,890,008; Dec. 6.
Thompson, Howard A. (See Gilson, R. M., and Thompson.)
Thompson, Howard A. (See Nicholson, F. H., and Thompson.)
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train signaling system. 1,888,706; Nov. 22.
Thompson, Howard A., and F. H. Nicholson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,885,370; Nov. 1.
Thompson, Ida E., Cohagen, Mont. Calf weaner. 1,848,586; Mar. 8.
Thompson, Irving S., Milwaukee, Wis. Garment hanger. 1,891,250; Dec. 20.
Thompson, James C., Cleveland, assignor of one-half to C. B. Lemon, Lakewood, Ohio. Nut lock. 1,892,119; Dec. 27.
Thompson, James H., assignor to C. E. Godsey, Bluefield, W. Va. Figure toy. 1,859,118; May 17.
Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,839,510; Jan. 5.
Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,847,680; Mar. 1.
Thompson, James S., New Rochelle, N. Y., assignor to Firebar Corporation, Cleveland, Ohio. Grate bar. 1,884,917; Oct. 25.
Thompson, James S., New Rochelle, N. Y., assignor to Firebar Corporation, Cleveland, Ohio. Grate. 1,884,918; Oct. 25.
Thompson & Jameson Corporation. (See Borovec, J., and Kuehmstedt, assignors.)
Thompson, John A., and McDowell, Daniel L., assignor.)
Thompson, John B. D., Union City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,894,062; June 24.
Thompson, John B. D., Union City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,894,063; June 24.
Thompson, John B. D., Union City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,894,064; June 24.
Thompson, John H., Elyria, Ohio. Back-flow check fitting or union. 1,844,613; Feb. 9.
Thompson, John R. (See Loebl, Jerrold, assignor.)
Thompson, John S., and R. R. Tanner, assignors to Parker Rust-Proof Company, Detroit, Mich. Method and material for coating metal surfaces. 1,869,121; July 26.
Thompson, John W. (See Sparks, James M., assignor.)
Thompson, John W., Puebla, Mexico. Fraud prevention system for electric meterbox. 1,845,101; Feb. 16.
Thompson, Leonard R. (See Randall, C. E., and Thompson.)
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical regulating means. 1,843,745; Feb. 2.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Combined clutch and speed adjusting mechanism. 1,844,703; Feb. 9.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical control system. 1,844,704; Feb. 9.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electric regulating system. 1,847,910; Mar. 1.
Thompson, Louis W., Schenectady N. Y., assignor to General Electric Company. Electrical regulator. 1,848,852; Mar. 8.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,849,813; Mar. 15.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical regulating apparatus. 1,875,279; Aug. 30.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator. 1,875,280; Aug. 30.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical regulating means. 1,879,350; Sept. 20.
Thompson, Louis W., Schenectady, N. Y., and M. Zucker, Detroit, Mich., assignors to General Electric Company. Regulating system. 1,849,923; Feb. 23.
Thompson, Louis W., Schenectady, N. Y., and E. H. Horstkotte, Erie, Pa., assignors to General Electric Company. Control system. 1,875,305; Nov. 30.
Thompson, Lyndon G., Oakland, assignor, by mesne assignments, to American Bitumuls Company, San Francisco, Calif. Asphaltic emulsion and making the same. 1,861,826; June 7.
Thompson, Lyndon G., Oakland, assignor, by mesne assignments, to American Bitumuls Company, San Francisco, Calif. Asphaltic emulsions and making the same. 1,884,919; Oct. 25.
Thompson, Lynn, assignor, by mesne assignments, to Olive Symons, Minneapolis, Minn. Liquid dispensing device. 1,892,196; Dec. 27.
Thompson Mfg. Company. (See Powell, Benjamin F., assignor.)
Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
Thompson, Marshall F., Washington, D. C. Electrical voting apparatus. 1,877,150; Sept. 13.
Thompson, Melbourne E., assignor to Trippensee Sales and Manufacturing Company, Detroit, Mich. Sealing device. 1,849,363; Feb. 16.

Thompson, Merrill M., and J. C. Patten, deceased; said Thompson assignor for said Patten; M. L. Patten, executrix of said J. C. Patten, Indianapolis, Ind. Plating zinc-tin alloy. 1,876,156; Sept. 6.

Thompson, Milton R., Ridgway, Pa. Method and apparatus for power amplification. 1,851,549; Mar. 29.

Thompson, Nat, assignor to Coe Laboratories, Inc., Chicago, Ill. Dental furnace. 1,869,831; Aug. 2.

Thompson, Norman, and C. Johnson, Duluth, Minn. Means for rebuilding furnace roofs. 1,868,592; July 26.

Thompson, Norman F., and Orlando O. G. Williams, assignors to William L. Gilbert Clock Company, Winsted, Conn. Clock casing construction. 1,872,610; Aug. 16.

Thompson, Olof, assignor to Takamine Corporation, Long Island City, N. Y. Automatic control system. 1,869,399; Aug. 2.

Thompson, Orville W., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Gauge and thermometer fitting. 1,867,779; July 19.

Thompson, Orville W., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Valve-device. 1,875,898; Sept. 6.

Thompson, Oscar T., Neenah, Wis., assignor, by mesne assignments, to International Motion Products Co., Chicago, Ill. Sanitary napkin and machine for making same. 1,869,177; July 26.

Thompson, Paul W., Detroit, Mich. Sealing the shaft packings of turbines. 1,878,731; Sept. 20.

Thompson Products Inc. (See Bissell, Richard E., assignor.)

Thompson Products, Incorporated. (See Colwell, Archie T., assignor.)

Thompson Products, Inc. (See Crawford, Frederick C., assignor.)

Thompson Products Inc. (See Crawford, F. C., and Hufferd, assignors.)

Thompson Products, Inc. (See Graham, Matthew P., assignor.)

Thompson Products, Inc. (See Graham, M. P., and Hufferd, assignors.)

Thompson Products, Incorporated. (See Hufferd, George H., assignor.)

Thompson Products, Incorporated. (See Hufferd, G. H. and Graham, assignors.)

Thompson Products, Incorporated. (See Kelleher, D., and Bartlett, assignors.)

Thompson Products Inc. (See Spire, William H., assignor.)

Thompson, Ralph C., assignor to The Simplex Piston Ring Company of America, Incorporated, Cleveland, Ohio, and Boston, Mass. 1,869,881; Dec. 20.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and blade. 1,847,156; Mar. 1.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety blade. 1,849,622; Mar. 23.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Making razor blades. 1,847,577; Mar. 1.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 1,850,902; Mar. 22.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,855,265; Apr. 26.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,877,082; Sept. 13.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,879,961; Sept. 27.

Thompson, Ralph E., Brookline, and T. L. Smith, Concord, assignors to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,858,316; May 17.

Thompson, Ranney J. (See Woody, W. L., and Thompson.)

Thompson, Reuben B., Stillwater, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Feeding mechanism for sewing machines. 1,856,360; May 3.

Thompson, Robert A., assignor to Hardwick Stove Company, Cleveland, Tenn. Panel for a stove door or the like. Des. 86,755; Apr. 12.

Thompson, Robert (See Penrod, John, assignor.)

Thompson, Robert G., Montclair, N. J., assignor to Lufkin Rule Company, Saginaw, Mich. Tape measure hook. 1,860,635; May 31.

Thompson, Roy E., assignor to L. M. Harvey, Los Angeles, Calif. Fluid operated mechanism. 1,867,115; July 12.

Thompson, Robert H., and L. Graves, New York, N. Y.; said Graves assignor to said Thompson. Time stamp. 1,872,049; Aug. 16.

Thompson, Roy E., Nyack, N. Y. Loud speaker. 1,842,770; Jan. 26.

Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,873,512; Aug. 23.

Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,884,384; Oct. 25.

Thompson, Russell G., and C. W. Crumrine, assignors to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriter. Des. 86,067; Jan. 19.

Thompson, Russell G., and C. W. Crumrine, assignors to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,873,510; Aug. 23.

Thompson, Russell G., and C. W. Crumrine, assignors to Electromatic Typewriters, Inc., Rochester, N. Y. Perforating machine. 1,873,511; Aug. 23.

Thompson, Samuel A., New York, N. Y. Toy typewriter. 1,865,288; June 28.

Thompson, Samuel A., New York, N. Y. Combined base and receptacle for toy typewriters or the like. 1,867,426; July 12.

Thompson, Samuel H., New York, N. Y., assignor, by mesne assignments, to Morse Boulger Destructor Co. Incinerator. 1,851,336; Mar. 29.

Thompson, Seth W., Montclair, N. J. Internal combustion engine. 1,854,238; Apr. 19.

Thompson, Sidney E., West Englewood, N. J., assignor to Copeland & Thompson, Incorporated, New York, N. Y. Plate or similar article of pottery. Des. 88,688; Dec. 13.

Thompson, Thomas D., Little Ferry, N. J., assignor to Frank C. Talmadge, Westbury, N. Y. Radio circuit. 1,876,793; Sept. 13.

Thompson, Thomas E., Los Angeles, Calif. Educational test device. 1,843,181; Feb. 2.

Thompson, Thorn. (See Cane, Gordon F., assignor.)

Thompson, Vernon W., and E. N. Pierce, assignors to Emrod Manufacturing Co., New York, N. Y. Lubricating system for internal combustion engines. 1,883,110; Oct. 18.

Thompson, V. et al., representatives. (See Parsons, C. A., Cook, and Douglas.)

Thompson, Vincent, et al., executor. (See Cook, S. S., Bennett, and Parsons.)

Thompson, Vincent, et al. (See Parsons, C. A., and Rosen.)

Thompson, Vincent, et al, legal representatives. (See Parsons, Charles A.)

Thompson, Vincent, et al, legal representatives. (See Parsons, C. A., Carnegie, and Gardner.)

Thompson, Vincent, et al., legal representatives. (See Parsons, C. A., and Duncan.)

Thompson, Walter Irving, East Hartford, assignor to The Smyth Manufacturing Company, Hartford, Conn. Book signature feed. 1,868,929; July 26.

Thompson, Walter S., Los Angeles, Calif. Optical device. 1,846,633; Feb. 23.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Metallic bearing having a composition lining. 1,845,664; Feb. 16.

Thompson, Walter V. E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Quick coupler valve. 1,855,264; Apr. 26.

Thompson, Walter V. E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Spray adjustment means for sprinkler heads. 1,862,812; June 14.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Quick coupler valve. 1,875,979; Sept. 6.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler head having a removable nozzle unit. 1,875,780; Sept. 6.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Slow motion reaction sprinkler. 1,876,099; Sept. 6.

Thompson, Wayne B., Winchester, Mass. Extension pole attachment for spray guns. 1,849,511; Mar. 15.

Thompson, William B., and A. B. Merrill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Expansion joint. 1,885,391; Nov. 1.

Thompson, William C., Seattle, Wash. Spin-o-plane. 1,878,732; Sept. 20.

Thompson, William J., Detroit, Mich. Removable package mouthpiece. 1,868,930; July 26.

Thompson, William J., and R. G. Kirkwood, Auckland, New Zealand. Liquid soap dispenser. 1,866,237; July 5.

Thompson, William L., assignor to L. L. Goodman, Indianapolis, Ind. Hosiery. 1,842,130; Jan. 19.

Thompson, William L., Starkville, Miss. Bucket. 1,863,458; June 14.

Thompson, Willis M., St. Louis, Mo. Can opener. 1,848,033; Mar. 1.

Thompson Wire Company. (See Arms, Clarence S., assignor.)

Thompson, W. O. (See Randolph, Guy P., assignor.)

Thompsons Engineering & Pipe Company. (See Murnane, Cornelius, assignor.)

Thoms, Alexander P. (See Halperin, H., and Thoms.)

Thomsen, Alfred M., San Francisco, Calif. Recovery of products obtained by distillation of wood. 1,839,277; Jan. 5.

Thomsen, Alfred M., San Francisco, Calif. Economic recovery of sulphur from smelter smoke. 1,857,414; May 10.

Thomsen, Alfred M., San Francisco, Calif. Rotary ore furnace. 1,862,726; June 14.

Thomsen, Alfred M., San Francisco, Calif. Treatment of white water produced in pulp and paper making. 1,870,881; Aug. 9.

Thomsen, Anton V. (See Thomsen, Thomas P. and A. V.)

Thomsen, Thomas P. and A. V., Kastrup, Denmark. Change speed gear. 1,847,027; Feb. 23.

Thomson, Albert R. (See Lent, Harry E., assignor.)

Thomson, Alfred M. (See Mercadante, J., and Thomson.)

Thomson, Alfred M., Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,122; Mar. 15.
Thomson, Alfred M., Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,123; Mar. 15.
Thomson, Alfred M., Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Sucker rod. 1,849,510; Mar. 15.
Thomson, Arthur, Scarboro Junction, Ontario, Canada. Shock absorber. 1,852,135; Apr. 5.
Thomson, David R., Paterson, N. J. Cloth board. 1,869,350; July 5.
Thomson, Edward W. M., Toronto, Ontario, Canada. Carbon packs. 1,867,604; July 19.
Thomson, Edwin, Swampscott, Mass., assignor to General Electric Company. Composite silica article. 1,843,792; Feb. 2.
Thomson, Frederick B., Teaneck, N. J. Conduit and pipe clamp. 1,845,365; Feb. 16.
Thomson, George M. (See Robinson, L. V., and Thomson.)
Thomson, George M., Caledonia, Ontario, assignor to Canada Gypsum and Alabastine, Limited, Paris, Ontario, Canada. Cellular insulating material. 1,851,413; Mar. 29.
Thomson, George M., Caledonia, Ontario, assignor to Gypsum, Lime and Alabastine, Canada, Limited, Paris, Ontario, Canada. Manufacture of wall board. 1,859,853; May 24.
Thomson, George M., Caledonia, Ontario, assignor to Canada Gypsum and Alabastine Limited, Paris, Ontario, Canada. Apparatus for making foam. 1,885,785; Nov. 1.
Thomson-Gibb Electric Welding Company. (See Brueckner, Julius C., assignor.)
Thomson-Gibb Electric Welding Company. (See Brueckner, J. R., and Gibb, assignors.)
Thomson-Gibb Electric Welding Company. (See Gibb, William E., assignor.)
Thomson, Hedley J., Woodford Green, England. Variable speed gearing. 1,870,076; Aug. 2.
Thomson, John M., Long Island City, N. Y., and P. Hardy, Bridgeport, Conn., assignors to Health Developing Apparatus Company, Inc., New York, N. Y. Exercising apparatus. 1,863,868; July 12.
Thomson, Joseph C., Palo Verde, Ariz. Valve. 1,841,224; Jan. 12.
Thomson, Judson L., Manufacturing Co. (See Havener, Arthur R., assignor.)
Thomson Machine Company. (See Parsons, Edward T., assignor.)
Thomson Machine Company. (See Sternberg, Ernst J., assignor.)
Thomson National Press Co. Inc. (See Remington, Leonard F., assignor.)
Thomson, Robert. (See Hoke, W. E., and Thomson.)
Thomson, Robert, Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Tap. 1,846,373; Feb. 23.
Thomson, Robert, Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Thread cutting tool. 1,846,400; Feb. 23.
Thomson, Robert, Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Thread cutting tool. 1,846,501; Feb. 23.
Thomson, Robert, Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Gauge. 1,846,502; Feb. 23.
Thomson, Robert, Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Screw thread gauge. 1,875,899; Sept. 6.
Thomson, Robert, Arlington, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Pliers. 1,886,272; Nov. 1.
Thomson, Robert, Arlington, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Shears. 1,886,273; Nov. 1.
Thomson, Robert F. (See Bradley, W. Loveluck, and Thomson.)
Thomson, Robert F. (See Fairweather, D. A. W., and Thomson.)
Thomson, Robert F. (See Jones, D. C. R., Thomson, and Thomas.)
Thomson, Robert F. (See Shaw, Cecil.)
Thomson, Robert F. (See Smith, W., and Thomson.)
Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
Thomson, S. H., Manufacturing Company, The. (See Hummert, H. H., and Gravenstine, assignees.)
Thomson, Thomas N., Huntington, N. Y. Water gauge. 1,875,779; Sept. 6.
Thoneer, John R., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Industrial motor of the internal combustion type. 1,886,455; Nov. 8.
Thor Manufacturing Company. (See Sweeney, Terrence A., assignor.)
Thor, Waino A., Berkeley, Calif. Lock mechanism. 1,853,243; Apr. 12.
Thor, Waino A., Berkeley, Calif. Cylinder lock. 1,883,326; Oct. 18.
Thordarson, Chester H., Chicago, Ill. Window structure and assembly thereof. 1,863,733; June 21.
Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Controlling means for coil winding machines and the like. 1,856,672; May 3.
Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Electrical motor and generator. 1,861,036; May 31.
Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Mechanism for slitting and winding paper and metal ribbons into coils. 1,861,037; May 31.
Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Mechanism for winding copper ribbon with taps into multiple coils. 1,862,727; June 14.
Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Electrical apparatus and making terminal strips therefor. 1,884,385; Oct. 25.
Thordarson, Chester H. assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Transformer. 1,884,386; Oct. 25.
Thordarson Electric Manufacturing Company. (See Pearson, Oscar A., assignor.)
Thordarson Electric Manufacturing Company. (See Thordarson, Chester H., assignor.)
Thorell, Edwin, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typesoldering device. 1,890,659; Dec. 13.
Thoresen, Firm, Hermann, S. A., (See Weissenburger, Alois, assignor.)
Thoresen, Ralph S. (See Macrae, J. N., and Thoresen.)
Thoreson, Reider, assignor to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Drawing press or the like. 1,891,121; Dec. 13.
Thorkildsen, Johan, Stavanger, Norway. Rotary valve. 1,867,235; July 12.
Thorn, Jesse L., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,867,605; July 19.
Thorn, J. S., Company. (See Doering, Albert L., assignor.)
Thorn, William E. (See Johnson, C. R., and Thorn.)
Thorn, William E., assignor to The Lyes Corporation, Bridgeport, Conn. Toy railway track switch. 1,850,294; Mar. 22.
Thornas, Peter B., and E. B. Taylor, assignors to E. W. A. Rowles Co., Chicago, Ill. Window shade fixtures. 1,876,036; Sept. 6.
Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Combined hermetic and hinged closure container. 1,864,698; June 28.
Thorne, Albert A., Laytown, Georgetown, Demerara, British Guiana. Surface cleaner. 1,887,967; Oct. 25.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Storage receptacle. 1,856,361; May 3.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Separating particles from free water. 1,863,422; June 14.
Thorne, Edgar R. (See Walker, G. H., and Thorne.)
Thorne Motor Corporation. (See Thorne, Ward, assignor.)
Thorne, Reginald C. (See Orton, F. A., and Thorne.)
Thorne, Victor C. (See Bristle, Ferdinand, assignor.)
Thorne, Ward, assignor to Thorne Motor Corporation, Chicago, Ill. Gas-electric apparatus. 1,850,734; Mar. 22.
Thorne, William F., assignor to C. G. Strandlund, Minneapolis, Minn. Grain shocker. 1,880,221; Oct. 4.
Thorné, William H., Grove City, Pa. Closure organization for collapsible tubes and like containers. 1,862,555; June 14.
Thornhill, Bertie R., Lynchburg, Va. Hand bag. 1,889,389; Nov. 29.
Thornhill, Bertie R., and M. E. Rohr, Lynchburg, Va. Cover for handbags. 1,867,116; July 12.
Thornhill, Theodore W., Charleston, S. C. Method and apparatus for making soapy solutions or the like. 1,854,282; Apr. 19.
Thornhill, William H. T. (See Cook, H. M., and Thornhill.)
Thornley, Joseph H., Evanston, Ill. Dike. 1,858,976; May 17.
Thornley, Joseph H., Evanston, Ill. Mechanical digging apparatus. 1,861,038; May 31.
Thornley, Sidney. (See Shepherdson, A., and Thornley.)
Thornschein, Isidor. (See Schafran, Isaac, assignor.)
Thornton, Benjamin F., Harrisburg, Pa. Apparatus for automatically transmitting messages over a telephone line. 1,843,849; Feb. 2.
Thornton, Frank, jr., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Time switch. 1,870,185; Aug. 2.
Thornton, Hiram A., Vincennes, Ind. Safety apparatus for aeroplanes. 1,859,685; May 24.
Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Multicolor screen film. 1,873,673; Aug. 23.
Thornton, John E. St. Brelade, Jersey Channel Islands, assignor to John O. O'Brien, Manchester, England. Production of cinematograph film positives. 1,873,674; Aug. 23.

Thornton, John E., St. Brelade, Jersey, Channel Islands, assignor to J. O. O'Brien, Manchester, England. Production of cinematograph film positives. 1,879,775; Sept. 27.

Thornton, Joseph H., Spokane, Wash. Combination book hanger and advertising holder. 1,888,748; Nov. 22.

Thorsen, Thor. (See Storm, A., and Thorsen).

Thornton, Roger T. (See Criqui, A. A., and Thornton.)

Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Tire boot. 1,851,141; Mar. 29.

Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Visor. 1,880,582; Oct. 4.

Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Pedal. 1,880,583; Oct. 4.

Thorp, Joel R., and C. Fausch, assignors to The Fulton Company, West Allis, Wis. Pedal. Re18,331; Jan. 12.

Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Carrier telegraph system. 1,851,145; Mar. 29.

Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Reducing interference in carrier telegraph circuits. 1,863,674; June 21.

Thorp, Vaughn P., River Edge, N. J., assignor to American Telegraph and Telegraph Company. Reducing lightning interference in carrier telegraph circuits. 1,863,675; June 21.

Thorpe, Forest H., assignor to The Columbus Sucker Rod Company, Columbus, Ohio. Auxiliary lift. 1,858,866; May 17.

Thorpe, Roy. (See Chesney, Carl E., assignor.)

Thorpe, Samuel T., assignor to The Horton Manufacturing Company, Bristol, Conn. Golf club. 1,844,812; Feb. 9.

Thorsell, Theodor, and A. Kristensson, Kassel, Germany. Removing hydrogen sulphide from gases. 1,847,795; Mar. 1.

Thorsen, Karl K. A., San Francisco, Calif. Tire vulcanizing machine. 1,876,100; Sept. 6.

Thorson, Lars M., and K. B. Ward, Chicago, Ill. Combination warm air cleaner and heat deflector. 1,839,357; Jan. 5.

Thorssell, Carl T., Cassel, Germany. Production of potassium nitrate and sodium carbonate. 1,848,756; Mar. 8.

Thorssell, Carl T., Kassel, Germany. Production of potassium nitrate. 1,873,233; Aug. 23.

Thorsten, Thorleif, Pittsburgh, Pa. Method and apparatus for sampling material. 1,890,199; Dec. 6.

Thrall, Walter L., assignor by mesne assignments, to Reliance Regulator Corporation, Alhambra, Calif. Gas regulating apparatus. 1,878,060; Sept. 20.

Thrasher, Charles. (See Thrasher, R. W., and Thrasher.)

Thrasher, Leroy C., assignor of one-half to A. D. Ferrell, Ronceverte, W. Va. Toilet closure operating device. 1,877,055; Sept. 13.

Threadgill, Eugene H., Raleigh, N. C. Device for controlling the flow of refrigerant in a refrigerating apparatus. 1,868,517; Nov. 22.

Threadwell Tool Company, The. (See Smith, Herbert J., assignor.)

Threewits, Alvin M., Centerville, and T. W. Druley, Boston, Ind. Corn harvesting and husking attachment for tractors. 1,840,336; Jan. 12.

Threkeld, Clarence D., Bellingham, Wash. Steam compensating heater. 1,879,843; Sept. 27.

Thring, Leonard G. P., Cambridge, England, Torsion meter. 1,881,301; Oct. 4.

Throm, Albert J., Grapeville, Pa. Method to produce a crystal article. 1,889,390; Nov. 29.

Throne, Robert P., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Attaching the tubes and shells of lanterns. 1,869,252; Dec. 27.

Thropp, Charlotte M., coexecutrix. (See Thropp, Peter D.)

Thropp, John E., Trenton, N. J. Roll travel testing apparatus. 1,857,442; May 3.

Thropp, Joseph W., Trenton, N. J. Rebound clamp. 1,852,945; Apr. 5.

Thropp, Joseph W., Trenton, N. J. Electrically controlled brake. 1,858,123; May 10.

Thropp, Joseph W., Trenton, N. J. Roll travel testing apparatus. 1,887,443; Nov. 8.

Thropp, Peter D., deceased; C. M. Thropp, coexecutrix, and L. A. Moreland, assignors to The de Laski & Thropp Circular Woven Tire Company, Trenton, N. J. Tire making machine. 1,843,856; Feb. 2.

Throop, Warren A., Spokane, Wash. Syringe. 1,878,026; Sept. 20.

Thrune, Herbert, Winona, Minn. Automobile window screen. 1,840,753; Jan. 12.

Thuau, Urbain J. L., Paris, France. Degumming textile plants. 1,843,851; Feb. 2.

Thubron, Ernest S., Napier, New Zealand. Bottling of liquids. 1,860,270; May 24.

Thuermann, Wilfred J. (See Gewalt, Herman F., assignor.)

Thulin, Emil F., Chicago, Ill. Covering for walls. 1,882,529; Oct. 11.

Thum, Martin, Rochester, N. Y. Spring structure for furniture. 1,876,101; Sept. 6.

Thum, Martin, Rochester, N. Y. Bed and a spring bottom. 1,876,102; Sept. 6.

Thum, Martin, Rochester, N. Y. Table. 1,882,678; Oct. 18.

Thum, Rudolf, Unterreichenau, assignor to Firm Montanund Industrialwerke, vormals Joh. Dav. Starck, Prague, Czechoslovakia. Homogenization of glass flux. 1,868,858; July 26.

Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Switch operating mechanism. 1,841,162; Jan. 12.

Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Electric switch. 1,848,853; Mar. 8.

Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Switch operating mechanism. 1,857,220; May 10.

Thummel, William G., St. Louis, Mo. Internal combustion engine. 1,839,936; Jan. 5.

Thune, Anton, Minneapolis, Minn. Weather stripping for freight car sidings. 1,863,231; June 14.

Thuras, Albert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 1,847,702; Mar. 1.

Thuras, Albert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 1,869,178; July 26.

Thurban, Edward P., Camakuey, Cuba. Line space gauge for typewriters. 1,844,992; Feb. 16.

Thurber, Ezra J., Seattle, Wash. Timber shape. 1,877,087; Sept. 13.

Thurber, Harry F. (See Greist, H. M., and Thurber.)

Thurber, Luman T., Brookline, Mass., assignor to The Thurber Corporation, Rockland, Me. Apparatus for supplying fuel to internal combustion engines, etc. 1,851,221; Mar. 29.

Thurber Corporation, The. (See Thurber, Luman, assignor.)

Thurm, Richard, Saginaw, Mich. Heating tube. 1,872,363; Aug. 16.

Thurm, Richard, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Making viscose. 1,871,240; Aug. 9.

Thurm, Richard, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Making potassium metal or sodium-potassium metal alloy. 1,872,611; Aug. 16.

Thurn, Walter N., Chicago, Ill., assignor to The Vitrolite Company. Open vertical panel. 1,852,274; Apr. 5.

Thursby, Sidney, assignor to H. Windsor & Company Limited, London, England. Furnace arch. 1,849,558; Mar. 15.

Thurston, Albert P., London, England. Aircraft. 1,866,869; July 12.

Thurston, Charles E. (See Flanagan, John F., assignor.)

Thurston, George H., assignor to Western Electric Company, Incorporated, New York, N. Y. Generation of electric waves. 1,854,432; Apr. 19.

Thurston, George H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric crystal mounting. 1,883,111; Oct. 18.

Thurston, Walter E., Los Angeles, Calif. Metallic package. 1,847,766; Mar. 1.

Thurwanger, Aloys, Norwood, Ohio. Door or window screen. 1,887,740; Nov. 15.

Thus, Max, assignor to Reading Dyeing Co., Reading, Pa. Yarn dyeing spindle. 1,871,246; Aug. 9.

Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Separable compartment tank. 1,844,530; Feb. 9.

Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Sanitary vent for gravity milking. 1,859,479; May 24.

Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Closure. 1,870,973; Aug. 9.

Thwing, Charles B., assignor to Thwing Instrument Company, Philadelphia, Pa. Initial tear-testing apparatus. 1,884,388; Oct. 25.

Thwing Instrument Company. (See Albert, Edward J., assignor.)

Thwing Instrument Company. (See Thwing, Charles B., assignor.)

Thyle Machinery Company. (See Bell, Fred C., assignor.)

Tiaden, Herbert. (See Herzogenrath, H., and Tiaden.)

Tibaldi, Giuseppe, Florence, Italy. Self-filling fountain pen. 1,892,309; Dec. 27.

Tibbetts, Clyde S., Indianapolis, Ind. Crossing safety hazard. 1,843,746; Feb. 2.

Tibbetts, Millard H., Somerville, Mass. Trawl runner. 1,845,102; Feb. 16.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. 1,843,253; Feb. 2.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Horn. 1,853,709; Apr. 12.

Tibbetts, Milton, assignor to The Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,854,964; Apr. 19.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,859,182; May 17.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Clutch operating mechanism. 1,866,636; May 31.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,867,686; July 19.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,871,480; Aug. 16.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle latch. 1,880,585; Oct. 4.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,889,577; Nov. 29.
Tibbetts, Milton, trustee. (See Lemaigre, Pierre, assignor.)
Tibbetts, Winnie A., Rangeley, Me. Combined automobile heater and windshield warmer. 1,884,389; Oct. 25.
Tibbits, Percival S., New York, N. Y. Undergarment. 1,847,681; Mar. 1.
Tibbits, John W., North Bend, Wis. Cultivator shield. 1,860,584; Oct. 4.
Tibbot, Nina W., Minneapolis, Minn. Refrigerator table. 1,840,645; Jan. 12.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Carburetor. 1,865,488; July 5.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electromagnetic fuel pump. 1,866,136; July 5.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electromagnetic fuel pump. 1,866,137; July 5.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electromagnetic fuel pump. 1,888,250; Nov. 22.
Tice Lock-Washer Manufacturing Co. (See Lillig, Nicholas R, assignor.)
Ticehurst, George L., Bakersfield, Calif. Fire brick. 1,862,246; June 7.
Tichota, Vencel J., Dodge, Nebr. Draft equalizer. 1,847,754; Mar. 1.
Tichy, Joseph F., Flushing, assignor of one-half to G. H. Bruns, Jamaica, N. Y. Pouring device. 1,892,595; Dec. 27.
Ticket Issuing Machine Company, The. (See Scher, Louis, assignor.)
Tidal Oil Company. (See Franks, Harry H., assignor.
Tidal Oil Company. (See Small, George B., assignor.)
Tidblad, Anders T., Soderhamn, Sweden. Barking machine. 1,887,908; Nov. 15.
Tidd, Edwin B., Chicago, Ill. Automatic evacuator for steam heating systems. 1,891,483; Dec. 20.
Tide Water Oil Company. (See Rembert, Ernest W., assignor.)
Tiddy, William, Jeffersonville, assignor, by mesne assignments, to The Koppers Company of Delavare, Pittsburgh, Pa. Recovering phenols from gas liquor. 1,878,979; Sept. 20.
Tideman, George T., Chicago, Ill. Connecter for electric conduits. 1,848,442; Mar. 8.
Tideman, Selim N., Wilmette, Ill. Metering device. 1,875,282; Aug. 30.
Tidemann, Wilhelm, assignor of one-half to W. Gildemeister, Bremen, Germany. Daylight film viewing pocket apparatus. 1,869,525; Aug. 2.
Tidmarsh, William E., Montreal, Quebec, Canada. Pulp screen. 1,874,834; Aug. 30.
Tidwell, Hubert, Green River, Utah. Wave motor. 1,867,780; July 19.
Tiedemann & Harris, Inc. (See Rosberg, John E., assignor.)
Tiedemann, Julius B. (See Priebe, A. W., and Tiedemann.)
Tienken, Martha A., New York, and C. A. Meyer, Brooklyn, N. Y. Hair waving device. 1,880,378; Oct. 4.
Tierney, John, and H. J. Lelbrock, Jersey City, N. J. Clip applying tool. 1,840,755; Jan. 12.
Tierney, Michael J., Rochester, N. Y. Garbage and refuse incinerator. 1,886,760; Nov. 8.
Tiers, Louis P., Evanston, Ill., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Scoring device for soap rolls. 1,883,112; Oct. 18.
Tietig, Chester, Los Angeles, Calif. Process for the activation of clay and manufacture of hydrochloric acid. 1,890,474; Dec. 13.
Tietig, Chester. (See Baylis, W. S., and Tietig.)
Tietz, Herman J., San Pedro, Calif. Portable electric cooker. Des. 88,719; Dec. 20.
Tietz, Paul C., Chicago, Ill. Clock case. Des. 88,590; Dec. 6.
Tietze, Ernst. (See Hecht, G., Ossenbeck, and Tietze.)
Tietze, Ernst. (See Hentrich, W., Ossenbeck, and Tietze.)
Tietze, Ernst. (See Hentrich, W., Tietze, Ossenbeck, and Backes.)
Tietze, Ernst. (See Ossenbeck, A., and Tietze.)
Tietze, Ernst. (See Ossenbeck, A., Hentrich, and Tietze.)
Tietze, Ernst. (See Ossenbeck, A., Tietze, and Hecht.)
Tiffany, Frank J. (See Blake, A. J., and Tiffany.)
Tiffany Manufacturing Company. (See Brogger, Ivar W., assignor.)
Tiffany, Ross K., Olympia, Wash. Store construction. 1,839,617; Jan. 5.
Tifft, Thomas D. (See Herthel, E. C., and Tifft.)
Tifft, Thomas De C., Westfield, N. J., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,873,070; Aug. 23.
Tifft, William C. (See Gregory, D. J., and Tifft.)
Tikalsky, Francis P. (See Rosander, A. P., and Tikalsky.)
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Integral water closet combination. Des. 86,547; Mar. 15.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Water closet flush tank. Des. 87,137; June 7.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Flush valve. 1,861,250; May 31.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Connection for water closet combinations. 1,867,118; July 12.
Tilden, Galen, Ames, Iowa. Shipping container. 1,851,297; Mar. 29.
Tile Tex Company, The. (See Heppes, Otto A., assignor.)
Tiling, Reinhold, Osnabruck, Germany. Producing rockets, especially for aeronautic purposes. 1,880,579; Oct. 4.
Tiling, Reinhold, Osnabruck, Germany. Flying rocket. 1,880,580; Oct. 4.
Till, Edwin W., assignor to A. J. Reach Company, Philadelphia, Pa. Shoulder pad. 1,862,441; June 7.
Till, Edwin W., assignor to A. J. Reach Company, Philadelphia, Pa. Shoulder pad. 1,862,442; June 7.
Till, Edwin W., assignor to A. J. Reach Company, Philadelphia, Pa. Helmet. 1,864,104; June 21.
Tillbrook, Edgar R., Erie, Pa. Alarm clock stand. Des. 87,090; May 31.
Tiller, David M., assignor of one-fourth to W. C. Anderson, and one-fourth to N. J. Sharp, Denver, Colo. Separating process and apparatus. 1,845,366; Feb. 16.
Tillier Gray and Company Limited. (See Dobbins, Harry, assignor.)
Tillinghast, Edmund S., Carson Lake, Minn. Trolley pole. 1,887,480; July 12.
Tillmanns, Carl W., Bridgeport, and C. Sohn, Stratford, Conn., assignors to Remington Arms Company, Inc. Making bolster and seam structures. 1,843,584; Feb. 2.
Tillotson, James, jr., Jamestown, and J. Streng, assignors to Kolster Radio, Inc., New York, N. Y. Radiocabinet. Des. 86,340; Feb. 23.
Tillotson, James, jr., Jamestown, N. Y., and J. Streng, New York, N. Y., assignors to Kolster Radio, Inc., New York, N. Y. Radiocabinet. Des. 86,421; Mar. 1.
Tillotson Manufacturing Company, The. (See Brockway, Carl P., assignor.)
Tillotson Manufacturing Company, The. (See Kegerreis, C. S., and Lindecker, assignors.)
Tillson, Edwin D., Evanston, assignor to Federal Electric Company, Inc., Chicago, Ill. Switch for electrically illuminated scoreboards. 1,843,309; Feb. 2.
Tillyer, Edgar D., Southbridge, Mass., assignor to Radio Corporation of America, New York, N. Y. Radio telephony receiving apparatus. 1,840,064; Jan. 5.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye testing instrument. 1,853,710; Apr. 12.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye testing instrument. 1,854,724; Apr. 19.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye examining instrument. 1,859,756; May 24.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,865,714; July 5.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,865,715; July 5.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,866,734; July 12.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 1,873,675; Aug. 23.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,873,676; Aug. 23.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,880,029; Sept. 27.
Tillyer, Edgar D., and C. H. Pond, assignors to American Optical Company, Southbridge, Mass. Eye testing device. 1,879,833; Sept. 27.
Tillyer, Edgar D., and W. Baker, assignors to American Optical Company, Southbridge, Mass. Eye testing device. 1,880,028; Sept. 27.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 1,889,456; Nov. 29.
Tillyer, Edgar D., Southbridge, Mass., E. A. Forshey, New York, N. Y., and I. S. Nott, Toronto, Ontario, Canada, assignors to American Optical Company, Southbridge, Mass. Device for testing the eye. 1,887,049; Nov. 8.
Tilo Roofing Company. (See Tobin, Robert J., assignor.)
Tilp, Joseph G., Maplewood, N. J., assignor to David Levow, New York, N. Y. Elbow making machine. 1,879,186; Aug. 30.
Tilton, George J., Modesto, Calif. Shelf device for refrigerator cabinets. 1,883,833; Oct. 18.
Timberlake, Paul J., Jackson, Mich. Display card holder. 1,862,776; June 14.
Timberman, William A., Los Angeles, Calif. Machine for making battery separators. 1,842,495; Jan. 26.
Timbs, Edward. (See Faulkner, D. S., and Timbs.)
Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company, Toledo, Ohio. Weld lock rotary tool joint with lock ring sub. 1,859,809; May 24.

Timbs, Edward, and L. E. Peck, Los Angeles, Calif., assignors to The National Supply Company, Toledo, Ohio. Safety throw-off iron. Re18,620; Oct. 11.

Timian, Harold H., assignor to Wheeler-Schebler Carburetor Company, Indianapolis, Ind. Manifolding system for engines. 1,842,771; Jan. 26.

Timian, Harold H., assignor to Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Manifold for down draft carburetors. 1,860,373; May 1.

Timian, Harold H., assignor to Wheeler-Schebler Carburetor Company, Indianapolis, Ind. Carburetor. 1,862,585; June 14.

Timken-Detroit Axle Company, The. (See Alden, H. W., and Hunter, assignors.)

Timken Detroit Axle Company, The. (See Brackett, Tracy F., assignor.)

Timken-Detroit Axle Company, The. (See Rockwell, Willard F., assignor.)

Timken-Detroit Company, The. (See Powers, Milton A., assignor.)

Timken Roller Bearing Company, The. (See Ackerman, Paul C., assignor.)

Timken Roller Bearing Company. (See Assel, Walter J., assignor.)

Timkin Roller Bearing Company, The. (See Boden, Ernest G.)

Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)

Timken Roller Bearing Company, The. (See Chievitz, William J., assignor.)

Timken Roller Bearing Company, The. (See Cox, William P., assignor.)

Timken Roller Bearing Company, The. (See Eastburg, Clifford L., assignor.)

Timken Roller Bearing Company, The. (See Hastings, Shirrel A., assignor.)

Timken Roller Bearing Company. (See Horger, Oscar J., assignor.)

Timken Roller Bearing Company, The. (See Kifer, Ward G., assignor.)

Timken Roller Bearing Company, The. (See Lucas, Samuel C., assignor.)

Timken Roller Bearing Company, The. (See Maag, Oscar L., assignor.)

Timken Roller Bearing Company, The. (See Riblet, Robert M., assignor.)

Timken Roller Bearing Company, The. (See Scribner, William E., assignor.)

Timken Roller Bearing Company. The. (See Turner, Gilbert H., assignor.)

Timken Roller Bearing Company, The. (See Vanderbeek, Herbert, assignor.)

Timken Roller Bearing Company, The. (See Wooler, Ernest, assignor.)

Timken Silent Automatic Company, The. (See Alden, H. W., and Powers, assignors.)

Timken Silent Automatic Company. (See Beadle, Lynn C., assignor.)

Timken Silent Automatic Company. (See Beadle, L. C., Sutterfield, and Wilson, assignors.)

Timken Silent Automatic Company, The. (See Dowrie, Charles F., assignor.)

Timken Silent Automatic Company. (See Graul, William C., assignor.)

Timken Silent Automatic Company. (See Hvoslef, Fredrik W., assignor.)

Timken Silent Automatic Company, The. (See Powers, Milton A., assignor.)

Timm, John C., Girard, Ohio. Method and apparatus for shaping material. 1,841,994; Jan. 19.

Timmons, Elizabeth. (See Timmons, Samuel E., assignor.)

Timmons, John S., Wyncote, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrical element. 1,869,230; July 26.

Timmons, Samuel E., assignor to E. Timmons, Oklahoma City, Okla. Folding wall table. Re18,475; May 17.

Timourian, Leon. (See Tailor, Humlag, assignor.)

Timpson, Lewis G. M., Plainfield, N. J., assignor to Pyrene-Minimax Corporation. Fire extinguishing apparatus and method. 1,869,319; July 26.

Timson, William, Soho Foundry, assignor to W. & T. Avery Limited, Birmingham, England. Scale housing. Des. 87,985; Oct. 18.

Timson, William, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Reading arrangement of weighing apparatus. 1,848,587; Mar. 8.

Timson, William, Soho Foundry, assignor to W. & T. Avery, Limited, Birmingham, England. Improvement relating to weighing apparatus. 1,869,289; July 26.

Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)

Tindal, John R. (See Oakes, R. H., and Tindal.)

Tindall, Herbert T., Dorchester, Mass. Apparatus for fractional distillation of composite liquids. 1,876,179; Sept. 6.

Tingle, William R., Morganton, N. C. Folding article of furniture. 1,871,634; Aug. 16.

Tingieff, Marinus, Sandpoint, Idaho. Liquid sampling instrument. 1,881,415; Oct. 4.

Tingley, Bruce H., assignor to Ohmer Fare Register Company, Dayton, Ohio. Register. 1,853,751; Apr. 12.

Tingley, Egbert M., Oak Park, Ill. Relay protective system. 1,874,142; Aug. 30.

Tingley Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)

Tingley Reliance Rubber Corporation. (See McCollum, William, assignor.)

Tinius Olsen Testing Machine Company. (See Lewis, Robert B., assignor.)

Tinker, John M., and J. Spiegler, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of arylides of 2,3-hydroxy-naphthoic acid. 1,890,201; Dec. 6.

Tinker, John M., and L. Spiegler, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying arylides of 2,3-hydroxy-naphthoic acid. 1,890,202; Dec. 6.

Tinklepaugh, Mark L., Binghamton, and G. W. Howe, Waverly, N. Y. Sieve attachment for eaves troughs. 1,867,656; July 19.

Tinnerman, Albert H., Cleveland, Ohio. Gas burner control apparatus. 1,878,552; Sept. 20.

Tinnerman, Albert H., Cleveland, Ohio. Fastening device. 1,882,306; Oct. 11.

Tinnes, Lee E., Sioux Rapids, Iowa. Poultry holder for weighing machines. 1,866,683; July 12.

Tintore, Ignacio M., San Francisco, Calif. Parachute. 1,857,485; May 10.

Tinus, William C. (See Carlton, R. C., Tinus, and Vadersen.)

Tipeczka, Géza, and L. Mach, Munich, Germany. Apparatus for reproducing literary and pictorial matter. 1,888,054; Nov. 15.

Tippel, Edward F. J., New York, N. Y., assignor to Irving Iron Works Company. Curved grating. 1,874,385; Aug. 30.

Tippen, Frank John, Earlsdon, Coventry, assignor to Joseph Lucas Limited, Birmingham, England. Shock absorber. 1,868,859; July 26.

Tippey, Jesse M., St. Petersburg, Fla. Insect trap. 1,856,200; May 3.

Tip's Tool Company. (See Bodendieck, Henry W., assignor.)

Tipton, Guy S., assignor to Knightstown Funeral Car Company, Knightstown, Ind. Vehicle body. 1,862,286; June 7.

Tipton, John J., Kansas City, Mo. Pipe line dolly. 1,870,760; Aug. 9.

Tire Savers Corporation, Ltd. (See Marchese, J., and D'Orsay, assignors.)

Tischer, Max, Augsburg, Germany. Filter for liquids and gases. 1,869,589; Aug. 2.

Tischner, Horst, Hallensee-Berlin, and F. Klaiber, Reinickendorf-Berlin, Germany, assignors to General Electric Company. Apparatus for transforming vibrations into light variations. 1,854,003; Apr. 12.

Tiscornia, James A., San Rose, Calif. Paste dispensing tube. 1,862,870; June 14.

Tisdale, Wendell H. (See Engelmann, M., and Tisdale.)

Tisza, Edmond T., New York, and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Replacing one amino group in phenyl-azo-alpha-alpha-diamino pyridine with a hydroxyl group. 1,856,601; May 3.

Tisza, Edmond T., and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Ethers of hydroxy-beta-phenyl-azo-alpha - alpha-diamino-pyridines. 1,856,602; May 3.

Tisza, Edmond T., New York, and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Amino-hydroxy pyridine and preparing the same. 1,863,676; June 21.

Tisza, Edmond T., and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Beta (para-arsonic acid phenyl azo) alpha alpha diamino pyridine and the process of making it. 1,874,655; Aug. 30.

Tisza, Edmond T., New York, and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Acylated amino azo compounds and preparing the same. 1,874,656; Aug. 30.

Titan Abrasives Co. (See Doermann, Albert J., assignor.)

Titan Co. A/S. (See Farup, Peder, assignor.)

Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)

Titanium Pigment Company. (See Sabin, Alvah H., assignor.)

Titanium Pigment Company, Inc. (See Washburn, Willis F., assignor.)

Titchener, Paul F., Binghamton, assignor to O. D. Gibbs and E. Ischinger, Rochester, N. Y. Making staple blocks. 1,883,113; Oct. 18.

Titherley, Arthur W., Winchester, and D. P. Hudson, Llangollen, England, assignors to Monsanto Chemical Works, St. Louis, Mo. Manufacture of aromatic hydroxy compounds. 1,878,061; Sept. 20.

Titlestad, Nicolay. (See Hechenbleikner, I., and Titlestad.)

Titman, George B., Metuchen, N. J. Display sign. 1,853,523; Apr. 12.

Titterington, George A., executor. (See Colvin, C. H., and Titterington.)

Titterington, Morris M. (See Colvin, C. H., and Titterington.)

Titus, Hubert J., Paterson, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Controlling mechanism for locomotive boosters. 1,888,778; Nov. 22.

Titus, Hubert J., Paterson, N. J., and J. S. Wallis, assignors to Franklin Railway Supply Company, New York, N. Y. Steam engine. 1,870,303; Aug. 9.

Titus, Leon D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Nail puller. 1,840,858; Jan. 12.

Titus, Leon D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Can feeding machine. 1,891,195; Dec. 13.

Titus, Leonard K., Los Angeles, Calif. Axle bending apparatus. 1,845,532; Feb. 16.

Titus, Paul M., Binghamton, N. Y. Method and apparatus for broadcasting sound. 1,864,961; June 28.

Titus, Robert N., assignor to Eastman Kodak Company, Rochester, N. Y. Visibly marked motion picture film and making same. 1,861,827; June 7.

Titus, Rollie C., Presque Isle, Me. Jewelry and watch cleaning apparatus. 1,848,034; Mar. 1.

Tival, Henri L. P., Montegnac, France, assignor, by mesne assignments, to Frosted Foods Company, Dover, Del. Preparing products of organic origin. Re18,364; Feb. 23.

Tivendale, William, Clydebank, and J. Baxter, Glasgow, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Machine for polishing the eyes of needles. 1,884,390; Oct. 25.

Tlapek, Raymond, Elvins, Mo. Store partition. Des. 87,045; Oct. 11.

Toa Denki Kabushiki Kaisha. (See Iio, Tatsujiro, assignor.)

Tobacco By-Products & Chemical Corporation. (See Headlee, T. J., and Ginsburg, assignors.)

Tobacco Stemming Machine Company. (See Gooch, Claiborne W., jr., assignor.)

Tobata Yogyo Kabushiki Kaisha. (See Kikuta, Tario.)

Tobener, Robert H., jr., Kansas City, Mo. Throttle ignition switch. 1,881,251; Oct. 4.

Tobey, Fred W., assignor to The Macey Company, Grand Rapids, Mich. Tablet for armchairs. 1,869,444; Aug. 2.

Tobey, Harry W., Pittsfield, Mass., assignor to General Electric Company. Welding torch. 1,869,328; July 26.

Tobias, Herrmann B., Township of Upper Darby, Delaware County, Pa. Boat construction. 1,852,493; Apr. 5.

Tobin, Arthur L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Throttling valve. 1,869,832; Aug. 2.

Tobin, Clarke W., East Orange, N. J., assignor to Gotham Silk Hosiery Company, Inc. Hosiery. 1,885,567; Nov. 1.

Tobin, George A. (See Tobin, Robert J. and G. A.)

Tobin, Kenneth J. (See Heinen, F. C., and Tobin.)

Tobin, Robert J. (See Tobin, Kenneth J.)

Tobin, Kenneth J. (See Wasberg A., and Tobin.)

Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Door check or stop. 1,874,386; Aug. 30.

Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Car construction. 1,878,062; Sept. 20.

Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Spring mesas for car doors. 1,883,114; Oct. 18.

Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Supporting means for car doors. 1,840,065; Jan. 5.

Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Car door construction. 1,865,222; June 28.

Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. House car construction. 1,865,223; June 28.

Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Car door construction. 1,870,268; Aug. 9.

Tobin, Robert J., Hollis, N. Y. Shingle and linoleum knife. 1,876,180; Sept. 6.

Tobin, Robert J., Hollis, assignor to Tilo Roofing Company, Inc., New York, N. Y. Scaffolding support. 1,886,921; Nov. 8.

Tobin, Robert J., Hollis, and G. A. Tobin, Forest Hills, N. Y. Shingle. 1,838,055; Nov. 15.

Tobler, Hans, Weebwiken, N. J., assignor to Stein Tobler Co. Inc., New York, N. Y. Embroidered textile fabric. Des. 86,548; Mar. 15.

Tobler, Hans, Weebwiken, N. J., assignor to Stein Tobler Co. Inc., New York, N. Y. Embroidered textile fabric. Des. 86,549; Mar. 15.

Tobler, Richard, assignor to Firm: Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid dyestuffs and making same. 1,851,070; Mar. 29.

Tobler, Werner, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Fuel injection device for internal combustion engines. 1,860,063; May 24.

Toce, Charles A., Houston, Tex. Game table. Des. 86,942; May 10.

Todd, Charles A., Owensboro, Ky. Combination garden hand tool. 1,878,553; Sept. 20.

Todd Company, The. (See Kemick, Arthur E., assignor.)

Todd Company, The. (See Smith, Burgess W., assignor.)

Todd Dry Dock Engineering & Repair Corporation. (See Meachem, Harry, assignor.)

Todd Drydock Engineering & Repair Corporation. (See Nightingale, Harry, assignor.)

Todd Drydock Engineering & Repair Corporation. (See Nightingale, H., and Meachem, assignors.)

Todd, Francis C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,888,707; Nov. 22.

Todd, James H., Marion, Ohio. Mower. 1,889,391; Nov. 29.

Todd, Joseph A., Sioux City, Iowa. Protective envelope for liquid fuel containers. 1,878,063; Sept. 20.

Todd, Juanita, Yonkers, assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric rug. Des. 86,182; Feb. 9.

Todd, Juanita, Yonkers, assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric rug. Des. 86,183; Feb. 9.

Todd, Juanita, Yonkers, assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric rug. Des. 86,184; Feb. 9.

Todd, Juanita, Yonkers, assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric rug. Des. 86,372; Nov. 8.

Todd, Juanita, Yonkers, assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric rug. Des. 88,271; Nov. 8.

Todd, Russell T. (See O'Connor, Robert M.)

Todd, Ulysess G., assignor to The Pfaudler Co., Rochester, N. Y. Treating substances. 1,851,266; Mar. 29.

Todd, Ulysess G., assignor to The Pfaudler Company, Rochester, N. Y. Extract and beverage and making the same. 1,856,979; May 3.

Todd, Ulysess G., assignor to The Pfaudler Co., Rochester, N. Y. Treating products. 1,890,475; Dec. 13.

Todd, William, Leominster, Mass. Ball and socket joint. 1,866,512; July 5.

Todd, William, Leominster, Mass. Ball and socket joint. 1,866,520; July 5.

Todd, William M. (See Tatum, W. W., Todd, Hooley, and Thomas.)

Todhunter, Francis A. (See Eastman, J. H., and Todhunter.)

Todt, Edward B., Elkhart, Ind. Wind musical instrument. 1,867,481; July 12.

Toelle, Herbert E., assignor to Milwaukee Gas Specialty Co., Milwaukee, Wis. Gas range. 1,879,776; Sept. 27.

Toelle, Walter H., Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y. Bracket for curtain rods. 1,866,331; July 5.

Toelle, Walter H., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Bracket for curtain rods. 1,884,391; Oct. 25.

Toensfeldt, Kurt, St. Louis, Mo. Heat recoverer. 1,843,252; Feb. 2.

Toepfer, George O., Milwaukee, Wis. Humidifier. 1,839,618; Jan. 5.

Toepper, Henry C., Des Plaines, Ill. Artificial fish bait. 1,885,641; Nov. 22.

Toews, Peter J. (See Roehl, F. M., and Toews.)

Toews, Peter J., Minneapolis, Minn. Doughnut former. 1,866,332; July 5.

Tofé y Bonilla, Saturnino, Gimileo, Spain. Auxiliary keyboard. 1,883,115; Oct. 18.

Tokheim, John J., Cedar Rapids, Iowa. Portable device for removing impurities from storage tanks. 1,844,614; Feb. 9.

Tokheim, John J., Cedar Rapids, Iowa. Control valve for volatile liquid storage tanks. 1,890,870; Dec. 13.

Tokheim Oil Tank and Pump Company. (See Bechtold, Reuben E., assignor.)

Tokheim Oil Tank and Pump Company. (See Pepper, Byron J., assignor.)

Tokunaga, George T., San Francisco, Calif. Rake. 1,880,580; Oct. 4.

Told, Arnold H., Chicago, Ill. Adjustable rail brace. 1,872,848; Aug. 23.

Told, Arnold H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Rail brace. 1,860,064; May 24.

Toledo Alloyed Castings Company, The. (See Miller, Dorr, assignor.)

Toledo Automatic Brush Machine Company, The. (See Jobst, Conrad, assignor.)

Toledo Machine & Tool Company, The. (See Dorman, Neal W., assignor.)

Toledo Machine & Tool Company. (See Hatch, M. R., and Schloz, assignors.)

Toledo Machine & Tool Company, The. (See Seidel, A., and Hatch, assignors.)

Toledo Machine & Tool Company, The. (See Williamson, Larkin R., assignor.)

Toledo Metal Furniture Company, The. (See Uhl, Clement R., assignor.)

Toledo Patents, Inc. (See Rodemich, O. W., and Smith, assignors.)

Toledo Scale Company. (See Beard, J. H., and Hem, assignors.)

Toledo Scale Manufacturing Company. (See Baughman, Leonidas H., assignor.)

Toledo Scale Manufacturing Company. (See Bennett, Hubert D., assignor.)

Toledo Scale Manufacturing Co. (See Finley, Dozier, assignor.)

Toledo Scale Manufacturing Company. (See Hapgood, Clarence H., assignor.)

Toledo Scale Manufacturing Company. (See Hem, Halvor O., assignor.)

Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)

Toledo Scale Manufacturing Company. (See Marshall, Charles O., assignor.)
Toledo Scale Manufacturing Company. (See Marshall, C. O., and Hem, assignors.)
Toledo Scale Manufacturing Company. (See Reeves, Orwell C., assignor.)
Toledo Scale Manufacturing Company. (See Reeves, O. C., and Marshall, assignors.)
Toledo Scale Manufacturing Company. (See Thomas, Edward G., assignor.)
Toledo Scale Manufacturing Company. (See Ulrich, Edward F., assignor.)
Toledo Scale Manufacturing Company. (See Weckerly, Max., assignor.)
Toledo Scale Manufacturing Company. (See Williams, Lawrence S., assignor.)
Toledo Scale Manufacturing Company. (See Zinke, Carl J., assignor.)
Tolelk, John A., West Orange, N. J., assignor to American Can Company, New York, N. Y. Method and apparatus for sorting sheet stock. 1,884,920; Oct. 25.
Toleman, Clifford A. (See Andreasen, W. R. G., and Toleman.)
Tollerist Machine Works, Inc. (See Bryson, Tandy A., assignor.)
Tollefsen, Carl T., Bygdoy, near Oslo, Norway. Record and index card system. 1,841,652; Jan. 19.
Tollefsen, Thorleif, Oslo, Norway. Record and index card system. 1,842,131; Jan. 19.
Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Feeder for chicks and older fowls. 1,868,957; July 26.
Tolley, Donald B., Macomb, Ill., assignor, by mesne assignments, to Globe American Corporation, Kokomo, Ind. Poultry fountain. 1,877,084; Sept. 13.
Tolly, Sesha B., assignor to Globe American Corporation, Kokomo, Ind. Adjustable chick feeder. 1,855,781; Apr. 26.
Tolman, Charles P., New York, N. Y., assignor of one-half to P. C. McNulty, Milwaukee, Wis. Determining stream line contours. 1,839,619; Jan. 5.
Tomaino, Julius F. (See Weber, J. and Tomaino.)
Tomao, Raymond, Brooklyn, N. Y. Collapsible pontoon. 1,844,993; Feb. 16.
Tomikawa, Shigeru. (See Sato, J., and Tomikawa.)
Tomita, Trasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 85,969; Jan. 5.
Tomkins, Harold A., Jackson, Mich. Pneumatic chuck. 1,869,445; Aug. 2.
Tomkinson, Charles C., Plainfield, assignor to J. Edward Ogden Company, Inc., East Orange, N. J. Spring actuating and control mechanism. 1,871,016; Aug. 9.
Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Door closure and operating mechanism. 1,871,095; Aug. 9.
Tomkinson, Charles C., Plainfield, assignor to J. Edward Ogden Company, Inc., East Orange, N. J. Door mechanism. 1,883,118; Oct. 18.
Tomkinson, Gerald, Heathfield, Wolverley, near Kidderminster, England, and R. J. Perry, Birmingham, England. Weft needle or carrier for shuttleless looms. 1,856,119; May 3.
Tomlin, John R. (See Ball, H. V., and Tomlin.)
Tomlin, John R., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Cutting mechanism for printing machine folders. 1,868,125; July 19.
Tomlin, Michael H., Lofty, Pa. Hydraulic rail bender. 1,844,724; Feb. 9.
Tomlinson, Charles H., assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Connecting cars. 1,856,362; May 3.
Tomlinson, Charles H., assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Coupler. 1,857,035; May 3.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Coupling mechanism. 1,891,659; Dec. 20.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Car coupling mechanism. 1,891,660; Dec. 20.
Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
Tomlinson, Herbert J., Geneseo, Ill. Tractor wheel. 1,847,280; Mar. 1.
Tomlinson, Frank R., Bay City, Mich. Shoulder strap holder. 1,849,321; Mar. 15.
Tomlinson, Frank R., Bay City, Mich. Valve. 1,880,581; Oct. 4.
Tomlinson, George M., Philadelphia, Pa. Electrosurgical instrument. 1,881,250; Oct. 4.
Tomlinson, Joe L., et al. (See Hitchcock, Guy F., assignor.)
Tomlinson, Malcolm C. W., Lock Arbour, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for determining the condition of a gas. 1,883,116; Oct. 18.
Tomney, Charles C., New Brunswick, N. J. Illuminated tool. 1,868,778; July 26.
Tomoda, Miyaji, Kichishoji, assignor to Kabushiki Kaisha Yokogawa Denki Seisakusho, Shibuya-Machi, Tokyo, Japan. Split core current transformer. 1,862,613; June 14.
Tompkins, Claude A., Jacksonville, Fla. Turpentine gutter and securing means. 1,862,374; June 7.
Tompkins, Elmer J., Cleveland, Ohio. Index tab. 1,853,098; Apr. 12.
Tompkins, Emerson H. (See Fenton, P. E., and Tompkins.)
Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Penholder. 1,852,136; Apr. 5.
Tompkins, Frederick N., Pawtucket, and I. O. Miner, East Greenwich, R. I., assignors to Brown and Sharpe Manufacturing Company. Hair clipper. 1,877,968; Nov. 15.
Tompkins, Harry K. V., assignor to Gulf Production Company, Houston, Tex. Deep well pump. 1,845,453; Feb. 16.
Tompkins, Hawley, Fuller Company. (See Tompkins, J. D., and Fuller, assignors.)
Tompkins, James G., Los Angeles, Calif. Hose supporter. 1,859,810; May 24.
Tompkins, James G., Venice, Calif. Clasp for bandages and like wrappings. 1,868,644; July 26.
Tompkins, John D., Valatie, N. Y. Method of and apparatus for making paper. 1,868,617; July 26.
Tompkins, John D., Valatie, N. Y., and F. H. Fuller, deceased; L. M. Fuller, executrix, Vancouver, Wash., assignors to Tompkins, Hawley, Fuller Company, Valatie, N. Y. Method of and machine for making paper. 1,843,656; Feb. 2.
Tompkins, John E., assignor to The Cleveland Wheelbarrow & Mfg. Co., Cleveland, Ohio. Column clamp. 1,891,484; Dec. 20.
Tompkins, William J., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Combined floor and cove covering. 1,883,117; Oct. 18.
Tomshow, Andrew, Belleville, N. J. Exhaust system. 1,856,005; Apr. 26.
Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Motor vehicle. 1,855,429; Apr. 26.
Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Door handle mounting. 1,883,119; Oct. 18.
Toncray, Millard H., and J. W. Greig, assignors to Hudson Motor Car Company, Detroit, Mich. Seat. 1,846,374; Feb. 23.
Toncray, Millard H., Detroit, and J. W. Greig, Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Windshield securing device. 1,883,120; Oct. 18.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Low permeable refractory and making the same. 1,873,071; Aug. 23.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Joining abrasive articles. 1,877,541; Sept. 13.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article. 1,881,104; Oct. 4.
Tonks, Levi. (See Kingdon, K. H., and Tonks.)
Tönnessen, Adolph, Stavanger, Norway. Lock arrangement for safe doors, etc. 1,854,080; Apr. 12.
Toole, Harry S. (See Guenther, A. E., and Toole.)
Toops, Laura C., Columbus, Ohio. Chair. 1,848,443; Mar. 8.
Toothaker, Fred E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for conditioning shoe parts. 1,884,921; Oct. 25.
Topeka Tent & Awning Company. (See Anton, F. A., and Bell, assignors.)
Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon lasts. 1,860,696; May 31.
Topoozian, Haighes, New York, N. Y. Sandal. 1,877,432; Sept. 13.
Topp, Mathias, Gjovik, assignor to O. Mustad & Son, Oslo, Norway. Automatic machinery for making fish hooks. 1,892,120; Dec. 27.
Topp, William H., Los Angeles Calif., assignor, by mesne assignments, to The Stare Piano Company, Richmond, Ind. Brake actuating mechanism. 1,845,995; Feb. 16.
Töpper, Harry, Berlin, Germany. Burner for autogenous fusing and welding under water. 1,852,948; Apr. 5.
Topper, Thomas J., San Francisco, Calif. Automatic coffee urn. 1,840,985; Jan. 12.
Topping, Howell. (See Savale, Louis C., assignor.)
Torchio, Philip, Lawrence Park, Bronxville, N. Y. Electric cable. 1,841,320; Jan. 12.
Torka, Frank and W. V. E. Torka, Seattle, Wash. Combination lock. 1,841,308; Jan. 12.
Torka, William V. E. (See Torka, F., and W. V. E.)
Tormo, Manuel G, Jamaica, N. Y. Conduit support. 1,840,216; Jan. 5.
Tornberg, Isidor. (See Roesen, O. C., and Tornberg.)
Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pneumatic metal pump. 1,843,491; Feb. 2.
Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 1,843,492; Feb. 2.
Tornberg, Isidor, Plainfield, N. J., assignor to The Wood Newspaper Machinery Corporation, New York, N. Y. Collecting and folding mechanism for web presses. 1,868,779; July 26.

Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Dispatch conveyer safety device. 1,883,121: Oct. 18.
Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press structure. 1,886,762; Nov. 8.
Tornberg, Isidor, and C. Jordhoy, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y. Half speed deck and insetting device. 1,857,221; May 10.
Torok, Julius, and E. L. Bergstresser, Renovo, Pa. Discharge chute. 1,888,518; Nov. 22.
Toronto Type Foundry Company. (See Huffman, Louis, assignor.)
Torrance, Henry, New York, N. Y., assignor to The Carbonic Machine Co., Cheektowaga, N. Y. Apparatus for freezing comestibles. 1,880,117; Sept. 27.
Torrence, Homer R., Ontario, Calif. Fertilizer carton and dispenser. 1,849,159; Mar. 15.
Torrence, Walter S., New York, assignor to W. H. Meyer & Son, Inc., Brooklyn, N. Y. Snelling machine. 1,861,198; May 31.
Torres, Rose. (See Torres, Victor and R.)
Torres, Victor and R., San Gabriel, Calif. Device for making edible confections. 1,870,270; Dec. 27.
Torrey, Bates, Jr., Syracuse, N. Y., and G. R. Sanford, Petersburg, Va., assignors to Semet-Solvay Company, New York, N. Y. Apparatus for the separation of liquids having different boiling points. 1,874,381; Aug. 30.
Torrey, Lucien L., Los Angeles, Calif. Refrigerating apparatus. 1,839,278; Jan. 5.
Torrey, Lucien L., Los Angeles, Calif. Refrigerating plant. 1,846,375; Feb. 23.
Torrisi, Samuel S., Philadelphia, Pa. Detachable hot water unit for faucets. 1,847,198; Mar. 1.
Torseth, Oscar, Coeur d'Alene, Idaho. Apparatus for extinguishing forest fires. 1,871,096; Aug. 9.
Torulf, Helge G. (See Thelinod, J. E., and Zettergren, assignors.)
Torulf, Helge G. (See Zettergren, Birger, assignor.)
Totman, Leslie B., Gladden, assignor to G. J. Kuhrts, Jr., Los Angeles, Calif. Mixer. 1,845,367; Feb. 16.
Totzek, Friedrich, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Coke oven. 1,856,501; May 3.
Totzek, Friedrich, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Chamber oven for the production of gas and coke. 1,852,553; Oct. 11.
Totzek, Friedrich, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Coke oven. 1,887,222; Nov. 8.
Totzke, Frank B. (See Langer, Joseph F., assignor.)
Tougas, Emile E. (See Schumb, M. T., and Tougas.)
Toulon, Pierre M. G. (See Charlin, A. M. B., and Toulon.)
Toulon, Ethan H. (See Hammond, H. E., and Toulon.)
Touly, Marcel L., Boulogne-sur-Seine, assignor to Societe de Condensation et d'Applications Mecaniques, Paris, France. Method and apparatus for taking soundings. 1,855,652; Nov. 1.
Touranchet, Georges. (See Bormans, Emile, assignor.)
Tourtadier, André. (See Picard, A., and Tourtadre.)
Tournier, Charles A., New Haven, and J. Goodman, Mount Carmel, Conn., assignors, by mesne assignments, to L. Ottinger, New York, N. Y. Locking handle. 1,845,732; Feb. 16.
Tourtois, Fernand, assignor to Coty, Inc., New York, N. Y. Display stand. 1,878,362; Sept. 20.
Tourtois, Fernand R., assignor to Coty, Inc., New York, N. Y. Bottle. Des. 88,325; Nov. 15.
Toutois, Rush D., assignor to Baruk Cigars Incorporated, Philadelphia, Pa. Conditioning tobacco. 1,865,154; June 28.
Touzot, André. (See de Loye, P., and Touzot.)
Towell, William B., Jersey City, N. J. Sealing ring. 1,867,718; July 19.
Tower, Edwin R. H. (See Mellowes, Alfred W., assignor.)
Tower, Elmer V. J., North Syracuse, N. Y., assignor to Russell Manufacturing Company, Middletown, Conn. Transmitting member for friction clutches. 1,855,533; Apr. 26.
Tower, Elmer V. J., North Syracuse, N. Y., assignor to Russell Manufacturing Company, Middletown, Conn. Friction transmitting element. 1,888,779; Nov. 22.
Tower Manufacturing Co. (See Miller, Alfred, assignor.)
Tower, Max L., H. W. Dye, and F. L. McDonough, assignors to Niagara Sprayer Company, Middleport, N. Y. Parasiticide. 1,869,526; Aug. 2.
Towle Aircraft Company. (See Towle, Tom, assignor.)
Towle, Ellingwood H., Larchmont, N. Y. Hydrocarbon engine. 1,849,204; Oct. 4.
Towle, Howard C., Cohasset, Mass., assignor to Bethlehem Shipbuilding Corporation. Punching machine. 1,856,175; May 3.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towle Manufacturing Company. (See Poppenhäuser, Ferdinand, assignor.)
Towle Manufacturing Company. (See Smith, Cato, assignor.)
Towle, Tom, assignor to Towle Aircraft Company, Detroit, Mich. Amphibian airplane. 1,888,335; Nov. 22.
Towne, Carlton G. (See Matter, J. K., and Towne.)
Towne, Carlton G., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Siphon bottle. Des. 88,272; Nov. 8.
Townend, Daniel, Providence, and N. C. White, Cranston, R. I., assignors to Fields Point Manufacturing Corporation, New York, N. Y. Chemical manufacture. 1,874,835; Aug. 30.
Towner, Clarence, and Company. (See Newby, May, assignor.)
Towner, Harold G., New Haven, Conn. Explosive shell and a fuse therefor. 1,865,802; July 5.
Townes, Thomas P., Lander, assignor of one-half to Mabel Flesche, Basin, Wyo. Convertible table. 1,872,849; Aug. 23.
Townley, William, Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Board handling machine. 1,845,974; Feb. 16.
Townrow, Frederick W. (See Roth, William E., assignor.)
Townsend, Albert J., Lima, Ohio. Locomotive. 1,851,468; Mar. 29.
Townsend, Albert J., Lima, Ohio. Locomotive. 1,889,392; Nov. 29.
Townsend, Arthur J. (See Naugle, H. M., and Townsend.)
Townsend, Charlie J., Pocatello, Idaho. Fishhook holder. 1,850,039; Mar. 29.
Townsend, Donald L., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,884,922; Oct. 25.
Townsend, Ernest W. (See Cordrey, Oliver C., assignor.)
Townsend, George R. (See Chapman, C. H., and Townsend.)
Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Circuit protective device. 1,851,739; Mar. 29.
Townsend, Harry E., Brooklyn, N. Y. Hermetically sealed package. 1,884,955; Oct. 25.
Townsend, Hubert F., New York, N. Y. Carton. 1,847,028; Feb. 23.
Townsend, John R. (See Linton, G., and Townsend.)
Townsend, John R., Lake Bluff, Ill. Ventilator. 1,890,758; Dec. 13.
Townsend, Joseph M., Worcester, Mass. Etching machine. 1,839,511; Jan. 5.
Townsend, Laura R., Philadelphia, Pa. Apparatus for preventing adhesion by frosting. 1,851,740; Mar. 29.
Townsend, Leonard W. E. (See Boake, E. J., and Townsend.)
Townsend Manufacturing Company. (See Jancke, Benno F., assignor.)
Townsend, Nathan B., et al. (See Nowlin, Aubrey C., assignor.)
Townsend, Robert E., jr., Boston, Mass. Fire extinguishing device for aeroplanes. 1,840,986; Jan. 12.
Townsend, Samuel P., Bloomfield, N. J. Lawn mower. 1,853,244; Apr. 12.
Townsend, Samuel P., Bloomfield, N. J. Mower. 1,866,238; July 5.
Townsend, William S., Rochester, Pa. Dispensing device. 1,848,211; Mar. 8.
Townsend, William S., New Brighton, Pa., assignor to Pennsylvania Novelty Company. Game table. Des. 86,550; Mar. 15.
Townsend, William S., Rochester, and L. Deutsch, Beaver, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Step by step remote control liquid dispensing apparatus. 1,848,146; Mar. 8.
Townshend, Bailey. (See Wood, F. L., and Townshend.)
Townshend, Bailey, Jackson Heights, and J. D. Johnston, Corona, N. Y., assignors to Dayton Scale Company, Dayton, Ohio. Electrical scale. 1,878,554; Sept. 20.
Townsley, Frederick A., St. Albans, N. Y. Safety appliance for aircraft. 1,862,989; June 14.
Towson, Morris S., Shaker Heights, assignor to Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,862,287; June 7.
Towt, Charles W., Holding Company. (See Towt, Charles W., assignor.)
Towt, Charles W., Lindsay, Calif., assignor to C. W. Towt and D. G. Towt, as trustees of the Charles Warren Towt Holding Company. Apparatus for preventing frost damage to vegetation. 1,848,398; Mar. 8.
Towt, Donald G., et al., trustees. (See Towt, Charles W., assignor.)
Toyo Compressol Kubushiki Kaisha (The Oriental Compressol Co. Ltd. (See Tada, Renzo, assignor.)
Toyo Kompuresoru Kabushiki Kaisha. (See Tada, Renzo, assignor.)
Tracey, Daniel F., Huntington, W. Va. Flush tank apparatus. 1,839,424; Jan. 5.
Tractor Parts Company. (See Heaton, Roy C., assignor.)
Tracy, James J., Shaker Village, and A. E. Palmer, East Cleveland, Ohio; said Palmer assignor to said Tracy. Drive mechanism for tractors and the like. 1,842,217; Jan. 19.
Tracy, Michael J., St. Louis County, Mo. Window. 1,858,289; May 17.
Tracy, Michael J., St. Louis County, Mo. Shower bath construction. 1,860,968; May 31.
Tracy, Michael J., St. Louis County, Mo. Window screen and support therefor. 1,869,786; Aug. 2.
Tracy, Michael J., St. Louis County, and J. H. Kintzele, St. Louis, Mo. Selecting and actuating mechanism. 1,850,972; Mar. 22.

Tracy, Michael J., St. Louis County, assignor to Pauly Jail Building Company, St. Louis, Mo. Window. 1,891,485 ; Dec. 20.

Tracy, Ophelia M., Chicago, Ill. Brush for writing implements and the like. 1,752,275 ; Apr. 5.

Tracy, Pratt E., assignor to The Air-Way Electric Appliance Corporation, Toledo, Ohio. Apparatus for exterminating insects. 1,863,584 ; June 21.

Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,857,068 ; May 15.

Trager, Edward A., Chicago, Ill. Flash gun. 1,851,878 ; Mar. 29.

Trager, Leon, and H. F. Severn, Newark, N. J., assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Grease or lubricant pumping apparatus. 1,853,099 ; Apr. 12.

Tragler, Stanley E., Los Angeles, Calif. Sleeve set. 1,855,499 ; Apr. 26.

Trail, Herbert H., Vancouver, British Columbia, Canada, assignor to Motor Devices, Inc., Chicago, Ill. Automatic means for starting engines. 1,887,483 ; Nov. 8.

Trail, David, Saltcoats, Scotland, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzyl cellulose. 1,883,122 ; Oct. 18.

Trainer, James E. (See Kerr, H. J., and Trainer.)

Trainer, James E., Barberton, Ohio, and W. A. Jones, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Device for treating materials chemically. 1,851,924 ; Mar. 29.

Trainer, James E., and I. L. Lagnvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Economizer support. 1,885,123 ; Oct. 18.

Trainer, Maurice N., East Orange, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,877,338 ; July 12.

Trainer, Maurice N., East Orange, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,867,209 ; July 12.

Trainer, Maurice N., East Orange, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,872,850 ; Aug. 23.

Traina, Pietro, (See d'Ascanio, Corradino, assignor.)

Tranaas, Emil. (See Eriksen, Olaf Arnfin Stam, assignor.)

Trane, Raymond, Omaha, Nebr. Bathtub. Des. 86,185 ; Feb. 9.

Trane, Raymond, Omaha, Nebr. Scraping utensil. 1,841,168 ; Jan. 12.

Trane, Reuben N., La Crosse, Wis. Radiator. 1,842,218 ; Jan. 19.

Trane, Reuben N., La Crosse, Wis. Automatic heating unit. 1,846,698 ; Feb. 23.

Trane, Reuben N., La Crosse, Wis. Thermostatically controlled valve. 1,847,911 ; Mar. 1.

Trane, Reuben N., La Crosse, Wis. Radiator. 1,865,051 ; June 28.

Trane, Reuben N., La Crosse, Wis. Air conditioning unit. 1,865,981 ; July 5.

Tranin Egg Products Co. (See Tranin, Samuel, assignor.)

Tranin, Samuel, Kansas City, Mo., assignor to Tranin Egg Products Co. Method and apparatus for mixing liquids. 1,840,987 ; Jan. 12.

Transamerica Products Co. (See Rappaport, Dario, assignor.)

Transelectric Company. (See Hamer, W. D., Chatfield, and Mills, assignors.)

Transerv Corporation. (See Harbert, Victor H., assignor.)

Transerv Corporation. (See Johnson, Malcolm S., assignor.)

Transet Corporation. (See Wagner, John A., assignor.)

Transit Mixers, Inc. (See Knowles, Albert, assignor.)

Transit Mixers Inc. (See Willard, Carl L., assignor.)

Trans-Lux Daylight Picture Screen Corporation. (See Birdsall, Wilfred T., assignor.)

Trans-Lux Daylight Picture Screen Corporation. (See Brown, August H., assignor.)

Trans-Lux Daylight Picture Screen Corporation. (See Bowen, Lester W., assignor.)

Trans-Lux Daylight Picture Screen Corporation. (See Newman, David F., assignor.)

Trans-Lux Daylight Picture Screen Corporation. (See Payne, C., and Newman, assignors.)

Trans-Lux Daylight Picture Screen Corporation. (See Pritchard, William S., assignor.)

Transom, Frederick, Washington, D. C. Vacuum snubber. 1,840,177 ; Jan. 5.

Transom, Frederick, Washington, D. C. Synchronous acting vacuum snubber. 1,840,178 ; Jan. 5.

Transom, Frederick, Washington, D. C. Projector lamp. 1,857,120 ; May 3.

Transparent Packaging & Printing Corporation. (See Gurwit, Irving, assignor.)

Transparent Tube Company. (See Isaacks, Lausie F., assignor.)

Transue, Rudolph A., Brooklyn, N. Y., assignor to Westinghouse Lamp Company. Advertising device. 1,870,974 ; Aug. 9.

Transue & Williams Steel Forging Corporation. (See Nagy, Peter M., assignor.)

Transue and Williams Steel Forging Corporation. (See Walter, Kent E., assignor.)

Transue and Williams Steel Forging Corporation. (See Williams, George E., assignor.)

Traphagen, Harry R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mounting for cultivator shovels and the like. 1,865,651 ; July 5.

Trapp, Martin, Belzoni, Miss. Thermostatic circuit controller. 1,881,150 ; Oct. 4.

Traquair, John, Chillicothe, assignor, by mesne assignments, to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,843,464 ; Feb. 2.

Traquair, John, Chillicothe, assignor to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,843,465 ; Feb. 2.

Traquair, John, Chillicothe, assignor to The Mead Research Engineering Company, Dayton, Ohio. Paper manufacture. 1,843,466 ; Feb. 2.

Traquair, John, Chillicothe, assignor, by mesne assignments, to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,867,930 ; July 19.

Traquair, John, and F. G. Rawling, Chillicothe, assignors to The Mead Research Engineering Company, Dayton, Ohio. Paper manufacture. 1,843,467 ; Feb. 2.

Traquair, John, and H. A. Kidd, Chillicothe, assignors, by mesne assignments, to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,867,931 ; July 19.

Traquair, John, and F. G. Rawling, Chillicothe, assignors to The Mead Research Engineering Company, Dayton, Ohio. Paper manufacture. 1,869,082 ; July 26.

Traquair, John, and F. G. Rawling, Chillicothe, assignors to The Mead Research Engineering Company, Dayton, Ohio. Paper manufacture. 1,880,587 ; Oct. 4.

Trathen, James, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid conductor coupling. 1,878,303 ; Sept. 20.

Tratsch, Walter A. (See Bechtol, A. H., and Tratsch.)

Tratsch, Walter A., Chicago, Ill. Air gun. 1,854,605 ; Apr. 19.

Traube, Abraham, Brooklyn, N. Y. Structure for storage or accommodation of vehicles. 1,861,461 ; June 7.

Trauner, Heinrich, Frohsdorf, Austria. Beehive. 1,854,871 ; Apr. 19.

Traung Company, The. (See Sheedy, F. T., and Traung, assignors.)

Traung, Louis. (See Sheedy, F. T., and Traung.)

Traupmann, Raymond J., assignor to Harnishchfeger Corporation, Milwaukee, Wis. Clutch or brake band. 1,840,357 ; Jan. 12.

Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Roller screen. 1,867,391 ; July 12.

Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Protective and controlling device for rolling window screens. 1,880,685 ; Oct. 4.

Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Guide for roll screens. 1,881,359 ; Oct. 4.

Trautman, Ira, Freeport, assignor to Air Sealed Tire Corporation, New York, N. Y. Automobile tire and wheel and making the same. 1,842,219 ; Jan. 19.

Trautmann, Otto C., New York, N. Y. Purifying silica sand. 1,840,338 ; Jan. 12.

Trautmann, Otto C., New York, N. Y. Making twin bore silica tubes. 1,850,295 ; Mar. 22.

Trautmann, Otto E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Combination telescope, stand, and observation platform therefor. Des. 87,694 ; Aug. 30.

Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body wall construction. 1,866,277 ; July 5.

Trautvetter, George, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Cowl ventilator. 1,866,735 ; July 12.

Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal door. 1,880,590 ; Oct. 4.

Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal vehicle body construction. 1,880,591 ; Oct. 4.

Trautweln, Friedrich, Berlin-Zehlendorf, assignor to Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany, Arrangement for the onesided band modulation of high frequency vibrations. 1,868,339 ; July 19.

Travelers Efficiency Case Co. (See Switkes, Leon, assignor.)

Travelers Insurance Company. (See Bayrer, Orson D., assignor.)

Travell, Warren. (See Powelson, W. Y. N., and Travell.)

Travell, Warren (See Powelson, Wilfrid V. N., assignor.)

Traver, Harry G., Beaver Falls, Pa. Amusement ride and vehicle therefor. 1,840,988 ; Jan. 12.

Traver, Harry G., Beaver Falls, Pa. Track rail support. 1,847,733 ; Mar. 1.

Traver, Harry G., Beaver Falls, Pa. Car for amusement rides. 1,881,151 ; Oct. 4.

Traver, Harry G., Beaver Falls, Pa. Amusement railway. 1,890,137 ; Dec. 6.

Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Protection of electric systems. 1,854,965 ; Apr. 19.

Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Control of electric switches. 1,885,157 ; Nov. 1.

Traver, Philip C., Lynbrook, N. Y. Projectile shooting gun. 1,873,677 ; Aug. 23.

Traver, Wallace H., Baltimore, Md. Polishing tool. 1,846,163; Feb. 23.
Traver, William A., assignor to Franklin Process Company, Providence, R. I. Spool, beam, or the like. 1,856,298; May 3.
Travers, Gordon. (See Record, F. M., and Travers.)
Travers, John T., assignor to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Recovering calcium lactate from whey. 1,850,643; Mar. 22.
Travers, John T., Columbus, O. H. Lewis, Harpster, and O. M. Urbain, assignors to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Method for purifying painted liquids. 1,850,644; Mar. 22.
Travers, John T. and O. M. Urbain, assignors to the Ohio Sanitary Engineering Corporation, Columbus, Ohio. Fertilizer. 1,849,712; Nov. 29.
Traverso, Francesco, Genoa, Italy. Elastic suspension. 1,888,519; Nov. 22.
Travilla, James C., jr. (See Meyer, W. H., Travilla, jr., and Jackson.)
Travilla, James C., jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway rolling stock construction. 1,868,509; July 26.
Travilla, James C., jr., Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Tank vehicle underframe. 1,888,812; Nov. 22.
Travis, Bertram C., assignor of one-half to Pacific Copper and Brass Works, Incorporated, Los Angeles, Calif. Junction box. 1,886,316; Nov. 1.
Travis, John M., St. Louis, Mo. Beverage dispensing coolers. Des. 88,846; Dec. 27.
Travis, John S., Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,443; Nov. 29.
Travis, John S., Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,689; Dec. 13.
Travis, Pierce M., Ridgewood, N. J. Dispersion mill. 1,851,071; Mar. 29.
Travis, Pierce M., Ridgewood, assignor to Travis Process Corporation, Jersey City, N. J. Process and apparatus for manufacturing soaps. 1,874,388; Aug. 30.
Travis Process Corporation. (See Black, William A., assignor.)
Travis Process Corporation. (See Ostermann, Walter, assignor.)
Travis Process Corporation. (See Travis, Pierce M., assignor.)
Travis, Roscoe C., Bowling Green, Va. Moth eradicator. 1,861,811; June 14.
Traviss, Norman W., Des Moines, Iowa. Radiator screen structure. 1,860,697; May 31.
Traxel, Charles E. (See Traxel, F. M., and Traxel.)
Traxel, Charles E., Rome, assignor to General Cable Corporation, New York, N. Y. Method of and apparatus for serving strands. 1,876,794; Sept. 13.
Traxler, Ralph W. (See Meade, G. P., and Traxler.)
Tray Service Company. (See Milner, Thomas W., assignor.)
Traylor Bolt Company. (See James, Francis F., assignor.)
Traylor Vibrator Company, The. (See Flint, James A., assignor.)
Traylor Vibrator Company, The. (See Flint, J. A., and Hazeltine, assignors.)
Traylor, William N., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Impregnating compound. 1,849,959; Mar. 15.
Trbojevich, Nikola, Highland Park, Mich. Tap. 1,845,063; Feb. 16.
Trbojevich, Nikola, Highland Park, Mich. Method of and machine for generating worm gears. 1,867,782; July 19.
Trbojevich, Nikola, Detroit, Mich. Worm hob. 1,863,512; June 14.
Trbojevich, Nikola, Detroit, Mich. Differential gearing. 1,869,528; Aug. 2.
Trbojevich, Nikola, Detroit, Mich. Steering gear. 1,876,795; Sept. 13.
Trbojevich, Nikola, Detroit, Mich. Screw thread. 1,876,796; Sept. 13.
Treadwell Engineering Company. (See Mikaelson, Erik W., assignor.)
Treadwell Engineering Company. (See Neave, Andrew A., assignor.)
Treadwell Engineering Company. (See Schreck, Hans L., assignor.)
Treadwell, M. H., Company. (See Astrom, Carl P., assignor.)
Treanor, John E. (See Johnson, H. L., and Treanor.)
Treanor, John E., assignor, by mesne assignments, to J. E. Treanor, E. D. Morton, and C. J. Thompson, Alhambra, Calif. Carbonating apparatus. 1,840,859; Jan. 12.
Treat, Francis H., Bethlehem, Pa., assignor to Duff Patents Company, Inc., Pittsburgh, Pa. Mechanical gas producer. 1,859,576; May 24.
Treat, Fred C., Cuyahoga Falls, Ohio. Exerciser. 1,884,392; Oct. 25.
Trebes, Bruno M. A. (See Arkema, H. P., and Trebes.)
Trebes, Bruno M. A., Berwyn, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Extruding apparatus. 1,859,901; May 24.
Trebitsch, Bruno, Vienna, Austria. Gas indicating apparatus. 1,861,989; June 7.
Trechinski, Roman, Warsaw, Poland, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Transmission of selector impulses or the like over duplexed lines. 1,845,571; Feb. 16.
Trechcinski, Roman, Warsaw, Poland, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Circuit arrangement for sending of current impulses over telephone lines. 1,864,381; June 21.
Trechsel, Max, assignor to the Firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Double-acting two-stroke internal combustion engine. 1,862,640; June 14.
Trecker, Theodore, Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Telescopic screw. 1,886,851; Nov. 8.
Trede, Hans. (See Hartmann, O. H., and Trede.)
Trede, Hans, and O. H. Hartmann, assignors to Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe, Germany. Indirectly heated steam generator. 1,883,124; Oct. 18.
Trefry, Laurence D., assignor to The Magnavox Company, Chicago, Ill. Loud speaker. 1,877,085; Sept. 13.
Trego, Frank H., assignor to Varityper Incorporated, New York, N. Y. Variable feed mechanism for typewriter carriages. 1,857,711; May 10.
Trego, Frank H., assignor to Varityper Incorporated, New York, N. Y. Type indexing means. 1,880,592; Oct. 4.
Tregoning, William C. (See Millermaster, R. A., and Tregoning.)
Tregoning, William C., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Molded holow insulating article. 1,871,635; Aug. 16.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,883,125; Oct. 18.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,883,126; Oct. 18.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Push button snap switch. 1,883,127; Oct. 18.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,883,128; Oct. 18.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,886,433; Nov. 1.
Treiber, Julius, Solingen, Germany. Making razor blades. 1,881,334; Oct. 4.
Treiber, Theodore R., Chicago, Ill. Burial record container. Des. 87,176; June 14.
Trejo, Stella A., assignor of fifty-five per cent to W. B. Lovell, Kansas City, Mo. Needle. 1,878,915; Sept. 20.
Treleaven, Clifford L. (See Schuster, A., and Treleaven.)
Treleven, Edward V., Los Angeles, Calif., assignor to Peerless Products Company. Wax distributing means. 1,876,797; Sept. 13.
Tremblay, Gregory E. (See Tremblay, Joseph A., and G. E.)
Tremblay, Joseph A. and G. E., Dolbeau, Quebec, Canada. Weather strip. 1,888,299; Nov. 22.
Tremblay, Maria V., Willimantic, Conn. Packing and shipping case for fragile and perishable articles. 1,852,686; Apr. 5.
Trembly, Maria V., Willimantic, Conn. Powder dispenser. 1,852,685; Apr. 5.
Tremmel, Henry G. (See Lux, Leo A., assignor.)
Tremolada, Guglielmo, Hollywood, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Swivel having cooling means. 1,861,485; June 7.
Tremolada, Guglielmo, assignor of one-half to Emsco Derrick & Equipment Company, Los Angeles, Calif. Reverse gear mechanism. 1,862,871; June 14.
Tremolada, Guglielmo R., Los Angeles, Calif. Fountain brush. 1,878,027; Sept. 20.
Trend Products Corporation. (See Smith, Raymond D., assignor.)
Trempe, William J., North Billerica, Mass. Automatic wire screen guide for paper making machines. 1,879,962; Sept. 27.
Trencham, Henry, Ruislip, and H. C. Heath, Wembley, England, assignors to General Electric Company. Electric circuit breaker. 1,891,070; Dec. 13.
Trenholm, Harriet M., Waltham, Mass. Bracelet or similar article. Des. 86,638; Apr. 5.
Trenner, George L. and N. R., New York, N. Y. Individual pie and pie shell baker. 1,874,836; Aug. 30.
Trenner, Nelson R. (See Trenner, George L. and N. R.)
Trenor, Albert D. (See Hirsch, C. J., and Trenor.)
Trenor, Albert D., assignor to J. H. Hammond, jr., Gloucester, Mass. System for predirecting torpedoes. 1,850,087; Mar. 22.
Trenor, Albert D., New York, N. Y., assignor to J. H. Hammond, jr., Gloucester, Mass. System for predirecting torpedoes. 1,850,088; Mar. 22.
Trenor, Albert D., assignor to J. H. Hammond, jr., Gloucester, Mass. Picture distorting apparatus. 1,855,370; Apr. 26.
Trenor, Albert D., assignor to J. H. Hammond, jr., Gloucester, Mass. Course calculator. 1,877,435; Sept. 13.
Trenor, John E., et al. (See Treanor, John E., assignor.)
Trent, Harold E., Lansdowne, Pa. Matrix scorcher. 1,845,769; Feb. 16.

Trent Process Corporation, The. (See Trent, Walter E., assignor.)
Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Cracking coal and oil. 1,842,132; Jan. 19.
Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Process and apparatus for treating carbonaceous material. 1,850,521; Mar. 22.
Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Continuous process of purifying materials. 1,867,783; July 19.
Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Direct iron ore reduction. 1,891,850; Dec. 20.
Trenwith, William T., assignor of one-half to W. B. Engelhardt, Chicago, Ill. Clock controlled electric circuit. 1,848,118; Mar. 15.
Treptow, George R., assignor to Camel Company, Chicago, Ill. Track means. 1,873,796; Aug. 23.
Trescarites, Leopold. (See Hezard, Louis, assignor.)
Tresise, Raleigh E., et al. (See Barnhart, Job R., assignor.)
Tressler, Donald K., Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Preparation of extracts. 1,840,798; Jan. 12.
Tressler, Donald K., Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Egg product and producing the same. 1,870,269; Aug. 9.
Tressler, Donald K., Pittsburgh, Pa., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chlorhydrins of aliphatic ketones and preparing the same. 1,873,072; Aug. 23.
Tretbar, Edward F., jr., Camden, N. J. Block for printing. 1,861,765; June 7.
Tretolite Company. (See De Groote, Melvin, assignor.)
Tretolite Company. (See De Groote, M., and Keiser, assignors.)
Tretlin, Louis F., assignor of three-eighths to H. K. Wagner and one-eighth to W. H. Nohl, St. Louis, Mo. Confection. 1,886,763; Nov. 8.
Trew, James W., Westminster, Md. Apparatus for packing fruit. 1,843,890; Feb. 2.
Trew, James W., Baltimore, Md. Basket liner. 1,847,578; Mar. 1.
Trew, James W., Baltimore, Md., assignor to John S. Rice, Biglerville, Pa. Basket liner. 1,885,492; Nov. 1.
Trey, Serge, College Point, N. Y. Aeroplane wing. 1,879,094; Sept. 27.
Triangle Conduit Company. (See Palmer, Frederick, assignor.)
Triangle Rapok Machine Corporation. (See Van Rensselaer, K. M., and Swanson, assignors.)
Triangle Packaging Company. (See Colver, Charles C., assignor.)
Tribby, D. V. (See Lane, George W., assignor.)
Tribout, Adrien M. L., assignor to Societe d'Etude des Distributeurs Automatiques (S. E. D. A.) Paris, France. Gasoline distributing apparatus. 1,889,504; Nov. 29.
Tribune Company, The. (See Sennett, Sylvester J., assignor.)
Tribune Company, The. (See Wolf, Otto R., assignor.)
Tricau, Gabriel, Vanves, France. Parachute. 1,862,247; June 7.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Horton, E. C., and Hueber, assignors.)
Trico Products Corporation. (See Hueber, Henry, assignor.)
Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
Trico Products Corporation. (See Oishei, Charles H., assignor.)
Trico Products Corporation. (See Oishei, John R., assignor.)
Trico Products Corporation. (See Oishei, J. R., and Paulus, assignors.)
Trico Products Corporation. (See Paulus, William, assignor.)
Tridex Corporation. (See Wier, Stuart A., assignor.)
Trifari, Gustavo, Brooklyn, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip brooch. 1,878,028; Sept. 20.
Trifari, Krussman & Fishel, Inc. (See Trifari, Gustavo, assignor.)
Trigg, Walton W., Cincinnati, Ohio. Smoker's device. Des. 88,389; Nov. 22.
Trigwell, Alfred J., Salinas, and C. H. Trubschenck, Oakland, Calif. Tractor attachment. 1,871,097; Aug. 9.
Triller, Benjamin J., Dubuque, Iowa. Folding garage door or the like. 1,872,798; Sept. 13.
Trimbach, Frederic E. L., Luneville, P. Robin, Paris, France, and G. Steinmetz, Pfungstadt, Germany; said Robin assignor to said Trimbach and said Steinmetz. Wedge. 1,871,481; Aug. 16.
Trimbey, Edward J., Glens Falls, N. Y. Method of and apparatus for screening paper pulp. 1,856,176; May 3.
Trimble, C. I. Dr. (See Proper, William H., assignor.)
Trimble, Fred J., Maywood, Calif. Grinding wheel guard. 1,891,696; Dec. 20.

Trimble, Hollie L., Tucson, Ariz. Toothbrush. 1,860,911; May 31.
Trimble Nurseryland Furniture, Inc. (See Baxter, William C., assignor.)
Trimmer, Albert O., Cerro Gordo, Ill. Turbine. 1,883,129; Oct. 18.
Trimmer, Robert C. (See Wiechert, Frank T., assignor.)
Trimpak Corporation. (See Strong, Harry J., assignor.)
Trinity Wheel Corporation. (See Baker, Frederick W., assignor.)
Trio Specialty Company. (See MacNamee, William H., assignor.)
Triolo, Louis, assignor to Imperial Paper Box Corporation, Brooklyn, N. Y. Charlotte russe cup filling machine. 1,890,069; Dec. 6.
Tri-Pie Corporation, The. (See Mears, Theodore M., assignor.)
Tri Pie Corporation. (See Trompeter, David, assignor.)
Tripke, Paul, Jersey City, N. J. Casing for a combined coffee grinder, juice extractor, food cutter and mixer. Des. 86,497; Mar. 8.
Triple "XXX" Company. (See Dawson, James F., assignor.)
Triplett, Armstead E., Dallas, Tex. Cooking apparatus. 1,878,064; Sept. 20.
Triplett, James B., deceased, Whittier; W. H. Campbell, Los Angeles, and W. H. Maxwell, Beverly Hills, executors, assignors to John Grant, Los Angeles, Calif. Rotary underreamer. 1,881,035; Oct. 4.
Triplett, James B., deceased, Whittier, by W. H. Campbell, Los Angeles, and W. H. Maxwell, Beverly Hills, co-executors, assignors to John Grant, Los Angeles, Calif. Well reamer. 1,881,035; Oct. 4.
Triplett, Louis B., Pasadena, Calif. Patient holder. 1,868,074; May 31.
Tripp, Augustus B., Cliftondale, Mass., assignor to General Electric Company. Piezo-electric apparatus. 1,844,705; Feb. 9.
Tripp, Harold D., assignor to L. Perrigo Company, Allegan, Mich. Calendar. 1,841,225; Jan. 12.
Tripp, John B., jr., Trenton, N. J. Brake lining stretcher. 1,869,907; Apr. 5.
Trippensee Sales and Manufacturing Company. (See Thompson, Melbourne E., assignor.)
Trist, Arthur R., London, England, assignor, by mesne assignments, to Pantone Corporation, New York, N. Y. Printing method and apparatus. 1,858,909; May 17.
Tritton, Julian S., Calcutta, India. Lamp control for vehicles. 1,887,074; Nov. 8.
Tritton, Julian S., Calcutta, India. Lamp control for vehicles. 1,887,625; Nov. 15.
Triumph Trap Company. (See Adams, Francis E., assignor.)
Triumph Trap Company. (See Adams, F. E., and Chesebro, assignors.)
Triumph Trap Company. (See Pneuman, James I., assignor.)
Trivillian, Louis, South Charleston, assignor of one-fourth to J. Sacco, Cabin Creek, W. Va. Railway rail gage. 1,849,442; Mar. 15.
Trix, Herbert B. (See Souder, V. G., and Trix.)
Trobridge, Geoffrey W. (See Klein, P., Szegvari, McKay, Hayes, and Trobridge.)
Trobridge, Geoffrey W., Sutton, Coldfield, assignor to Dunlop Rubber Company Limited, Birmingham, England. Manufacturing rubber articles. 1,881,253; Oct. 4.
Trocchi, Domenick, Waterbury, Conn. Railway track liner. 1,848,679; Mar. 8.
Troche, Ernest R. (See Cherry, G. L., and Troche.)
Troche, Ernest R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strand material. 1,861,990; June 7.
Troche, Ernest R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling device. 1,883,130; Oct. 18.
Troeger, Otto F. (See Loos, Otto, and Troeger.)
Troendly, Harry P. (See Shaller, P. B., and Troendly.)
Troendly, Harry P., Chicago, Ill., and F. Pareira, New York, N. Y., assignors to Health Developing Apparatus Co., Inc., New York, N. Y., and William D. Gibson Company, Chicago, Ill. Game board. Des. 88,117; Oct. 25.
Troendly, Harry P., Chicago, Ill., assignor, to Parva Products Company, Wilmington, Del. Fastener. 1,876,477; Sept. 6.
Trogdon, William H., Worthville, N. C., assignor to The Terrell Machine Company, Charlotte, N. C. Stop mechanism for bobbin strippers. 1,877,086; Sept. 13.
Tröger, Herbert, Plauen, Germany. Tanning for the production of leathers of various kinds. 1,849,559; Mar. 15.
Tröger, Richard, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Electric valve converting system. 1,892,543; Dec. 27.
Trogner, Arthur M. (See Duncan, R. D., jr., and Trogner.)
Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Electron discharge tube adapter. 1,842,635; Jan. 26.
Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Time service system. 1,871,636; Aug. 16.
Trogner, Arthur M., East Orange, N. J., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Rotary variable condenser. 1,860,440; May 31.

Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Piezo electric crystal holder. 1,876,698; Aug. 9.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Water cooled tube assembly. 1,876,103; Sept. 6.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Switching and relay systems. 1,876,329; Sept. 6.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Thermostat. 1,877,871; Sept. 13.
Trogner, Arthur M., Takoma Park, Md., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Frequency changing system. 1,861,371; May 31.
Trojan Powder Company. (See Snelling, W. O., and Boyd, assignors.)
Trojan Powder Company. (See Snelling, W. O., and Wyler, assignors.)
Troland, Leonard T., Cambridge, assignor to Comstock & Wescott, Inc., Boston, Mass. Color photography. Re18,680; Dec. 20.
Troland, Leonard T., Cambridge, assignor to Technicolor Motion Picture Corporation, Boston, Mass. Plural image and screen therefor. 1,843,703; Jan. 26.
Troland, Leonard T., Cambridge, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Image dyeing films and resulting product. 1,860,912; May 31.
Troll, Frederick J., Baltimore, Md., assignor to Loadometer Company, Road testing pressure measuring instrument. 1,844,080; Feb. 9.
Trolley. Issac. (See Bateman, F. H., and Trolley.)
Tromanhauser, Jesse H., Toronto, Ontario, Canada. Overrunning clutch. 1,849,389; Mar. 15.
Tromanhauser, Jesse H., Toronto, Ontario, Canada. Overrunning clutch. 1,861,486; June 7.
Trompeter, David, Amityville, assignor to The Tri-Pie Corporation, Brooklyn, N. Y. Pie making machine. 1,849,507; Mar. 15.
Trompeter, David, Baldwin, assignor to Tri Pie Corporation, Brooklyn, N. Y. Method and apparatus for manufacturing pies. 1,858,562; Nov. 29.
Tronnier, Albrecht W., Kreuznach, Germany. Spherically, chromatically and astigmatically corrected wide-angle lens with high aperture. 1,861,530; Oct. 11.
Tropeano, Anthony. (See Broche, Leon J., assignor.)
Tropic-Aire, Incorporated. (See Butterfield, Vernon J., assignor.)
Tropic-Aire, Incorporated. (See Caesar, Orville S., assignor.)
Tropic-Aire, Incorporated. (See Fink, Henry W., assignor.)
Tropic-Aire, Incorporated. (See Gulyban, John F., assignor.)
Tropic-Aire, Incorporated. (See Nilson, Leonard D., assignor.)
Tropic-Aire, Inc. (See Rose, Harry, assignor.)
Tropic-Aire, Incorporated. (See Will, Carl H., assignor.)
Tropic-Aire, Incorporated. (See Wines, Fred B., assignor.)
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,848,914; Mar. 8.
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,858,091; May 10.
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine lathe. 1,873,678; Aug. 23.
Trosko, Frederick. (See King, G. A., and Trosko.)
Trost, George B., Peoria, Ill. Fuel pump. 1,849,856; Mar. 15.
Trost, Henry, Union City, N. J. Game. 1,871,247; Aug. 9.
Trostel, Willi H., Philadelphia, Pa. Interchangeable letter sign. 1,862,375; June 7.
Trotta, Walter J., Brooklyn, N. Y. Baling receptacle. 1,862,343; Oct. 11.
Trotman, Walter G., West Springfield, Mass. Paper-making apparatus. 1,875,526; Sept. 6.
Trott, Harvey B., McKeesport, Pa. Nail machine. 1,888,610; Nov. 22.
Trott, Rolland S., Denver, assignor to M. K. Whited, executrix of R. Kalbaugh, deceased, Golden, Colo. Stone cart. 1,853,837; Apr. 12.
Trott, Rolland S., Denver, Colo. Automotive vehicle. 1,890,871; Dec. 13.
Trotter, Arthur H. Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Process and apparatus for the treatment of gases under pressure. 1,852,763; Apr. 5.
Trotter, Arthur H., Syracuse, N. Y., assignor to Hookless Fastener Company, Meadville, Pa. Fastening device. 1,887,741; Nov. 15.
Trotter, David K., Eutaw, Ala., assignor to International Harvester Company. Cultivator attachment for tractors. 1,846,287; Feb. 23.
Trotter, E. T., & Co. (See Hinsky, Anthony P., assignor.)
Trotter, George C., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Tapping fastener. 1,862,486; June 7.
Trotter, George C., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Self-lock screw device. 1,874,389; Aug. 30.
Trotter, George C., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Self-locking screw device. 1,874,657; Aug. 30.
Trotter, George C., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Making lock washers. 1,882,100; Oct. 11.
Trotter, Henry R., assignor to Hacker Manufacturing Co., Chicago, Ill. Printing press. 1,890,760; Dec. 13.
Trotter, Walter F., Cincinnati, Ohio, assignor to The Ohio Electric Hammer Corporation. Power hammer. 1,841,351; Jan. 12.
Trotter, Walter F., Cincinnati, Ohio, assignor to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Stoker control. 1,844,615; Feb. 9.
Trotter, William, assignor to Minerals Separation North American Corporation, New York, N. Y. Froth-flotation concentration of ores. 1,850,991; Mar. 22.
Trouant, Virgil E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio station. 1,861,462; June 7.
Trouant, Virgil E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,872,364; Aug. 16.
Trough Decking Limited. (See Rammage, Arthur W., assignor.)
Troup, John D., Purley, England. Powdered fuel burner. 1,874,390; Aug. 30.
Troupe, Paul V., Kadoka, S. Dak. Shoveling or scoop board for farm wagon boxes. 1,846,409; Feb. 23.
Trout, Oliver C. (See Shipley, M. R., and Trout.)
Trout, Walter C. (See Shipley, M. R., and Trout.)
Trout, Walter C., Lufkin, Tex. Walking beam. 1,840,066; Jan. 5.
Trout, Walter C., Lufkin, Tex. Weighted rod line swivel. 1,860,121; May 24.
Trout, William A., et al. (See Dean, C. L., and Hilton, assignors.)
Trout, William A. (See Rasmussen, Chester A., assignor.)
Trout, William A. (See Rasmussen, C. A., and Trout.)
Trout, William A. (See Shipley, M. R., and Trout.)
Trout, William A., assignor of one-half to C. A. Rasmussen, Long Beach, Calif. Blow-out preventer. 1,861,726; June 7.
Truth, John E., assignor to Independent Oil Well Cementing Company, Oklahoma City, Okla. Cementing head. 1,882,099; Oct. 11.
Troutman, George W. (See Hill, J. E., and Troutman.)
Trovaton, Andrew, McIntosh, Minn. Weighing and sacking machine. 1,849,256; Mar. 15.
Trowbridge, Lloyd J., Camden, N. J. Radiator cleaner. 1,865,289; June 28.
Trowbridge, Miles L. (See Brogden, E. M., and Trowbridge.)
Trowbridge, William L., Montclair, N. J. Hanger for garments. 1,842,886; Jan. 26.
Troxel Manufacturing Company, The. (See Brandt, John W., assignor.)
Troy Laundry Machinery Company. (See Adams, Arthur H., assignor.)
Troy Laundry Machinery Company. (See Ratzkoff, Silas M., assignor.)
Troy Laundry Machinery Company, Inc. (See Schenck, Le Roy C., assignor.)
Troy, Max, Brooklyn, assignor to General Linen Supply & Laundry Co., Inc., New York, N. Y. Lift. 1,843,852; Feb. 2.
Troyer, Milo C., Shipshewanna, Ind. Container. 1,892,195; Dec. 27.
Troyer, Nelson, and P. E. Pearson, Seattle, Wash., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Can vacuumizing and sealing machine. 1,891,851; Dec. 20.
Trubschenck, Carl H. (See Trigwell, A. J., and Trubschenck.)
Truch Equipment Co. Inc. (See Porter, Gilbert E., assignor.)
Truda, George H., Montclair, N. J., and J. M. Wilde, New York, N. Y. Window cleaning device. 1,886,852; Nov. 8.
Trudeau, Max O., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,862,834; June 14.
Trudel, B., Company. (See Routhier, Felix A., assignor.)
True, Charles H., Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Pipe and header joint. 1,860,969; May 31.
True, Charles H., Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Manufacture of return bends and similar structures. 1,863,033; June 14.
True, Charles H., Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Steam drier arrangement. 1,884,393; Oct. 25.
True, Nathan F. (See Johnson, L. D., and True.)
Truelsen, Frederik F. (See Folker, J. K., and Truelsen.)
Truesbury, Fred C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Container. 1,877,372; Sept. 13.
Trujillo, Deciderio, Denver, Colo. Swimmer's speed accelerating device. 1,878,916; Sept. 20.
Truline, Inc. (See Easley, Curran S., assignor.)
Trulock, Robert S., Oklahoma City, Okla. Shoe-shining chair. 1,891,071; Dec. 13.
Truman, Charles H. J., Oakland, Calif. Refrigerating casket. 1,887,665; Nov. 15.

Truman, Orley H., Houston, Tex., assignor to Standard Oil Development Company, Underground exploration method. 1,878,029; Sept. 20.
Trumble Gas Trap Company. (See Adams, Ernest H., assignor.)
Trumble Gas Trap Co. (See Adams, Royal C., assignor.)
Trumble Gas Trap Company. (See McGraw, W., and Adams, assignors.)
Trumble Gas Trap Company. (See McGraw, W., and Woodward, assignors.)
Trumble, John T., Lansing, Mich. Supercharger. 1,869,787; Aug. 2.
Trumble, John T., Lansing, Mich. Supercharging apparatus. 1,886,989; Nov. 8.
Trumble, Milon J., Alhambra, Calif., assignor, by mesne assignments, to Coals and Chemicals Ltd. Treating carbonaceous material. 1,873,940; Aug. 23.
Trumbull, Alexander H., Stratford, Conn., and G. R. Trumbull, Manchester Depot, Vt., assignors to The Bulls-Eye Electric Manufacturing Company, Torrington, Conn. Electric fuse. 1,878,204; Sept. 20.
Trumbull Electric Manufacturing Company, The. (See Gerchell, Benjamin E., assignor.)
Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
Trumbull Electric Manufacturing Company, The. (See Young, Frank A., assignor.)
Trumbull Electric Manufacturing Company, Pacific Division. (See Griswold, Andrew E., assignor.)
Trumbull, Frederick, Providence, R. I. Spoon or similar article. Des. 87,493; Aug. 2.
Trumbull, George R. (See Trumbull, Alexander H. and G. R.)
Trumbull, George R., assignor to The Bulls-Eye Electric Manufacturing Company, Torrington, Conn. Fuse plug. 1,846,811; Nov. 24.
Trumbull, George R., Torrington, Conn., assignor to The Bulls-Eye Electric Manufacturing Company, Torrington, Conn. Fuse. 1,867,784; July 19.
Trumbull-Vanderpoel Electric Manufacturing Company, The. (See Dante, Joseph J., assignor.)
Trumper, John, Omaha, Nebr. Signal. 1,859,943; May 24.
Trumphour, William L., Cleveland, and M. E. Lange, Cuyahoga Heights, assignors to the Warner-Swasey Company, Cleveland, Ohio, Chuck. 1,875,959; Sept. 6.
Trumpler, William E., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal blower. 1,876,486; Sept. 6.
Trumpy, Casper, Bergen, Norway. Dam. 1,843,408; Feb. 2.
Truner, Joseph, Stanton, Nebr. Cultivator disk sharpener. 1,845,944; Feb. 16.
Trusdell, Milton, Madison, Wis. Vapor purification process. 1,881,149; Nov. 1.
Trupar Manufacturing Company. (See Weinrich, W. H., and Geiler, assignors.)
Trupiano, Gerome, Brooklyn, N. Y. Combination faucet and drinking fountain. 1,875,283; Aug. 30.
Truran, Clifford F., Brewster, N. Y. Motion transmission for motor vehicles. 1,858,419; Nov. 15.
Truscon Steel Company. (See Auten, Claude I., assignor.)
Truscon Steel Company. (See Briody, Bernard, assignor.)
Truscon Steel Company. (See Fishel, Walter H., assignor.)
Truscon Steel Company. (See Kahn, Julius, assignor.)
Truscon Steel Company. (See Kahn, J., and White, assignors.)
Truscon Steel Company. (See McCracken, Joseph R., assignor.)
Truscon Steel Company. (See McLaughlin, Thomas E., assignor.)
Truscon Steel Company. (See Schaab, Harry M., assignor.)
Truscon Steel Company. (See Schaffert, Adolf H., assignor.)
Truscon Steel Company. (See Wallen, Arthur C., assignor.)
Truscon Steel Company. (See White, Herbert E., assignor.)
Truscon Steel Company. (See White, H. E., and Schulz, assignors.)
Truster, Frank S., Vernon, Tex. Artificial tooth. 1,846,286; Feb. 23.
Truster, Frank S., Vernon, Tex. Artificial tooth. 1,869,501; Nov. 29.
Trussbilt Steel Doors, Inc. (See Gross, Arthur R., assignor.)
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 1,857,201; May 10.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Method and apparatus for making prongs for loose-leaf binders. 1,881,981; Oct. 11.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book or binder cover and making the same. 1,887,830; Nov. 15.
Trussed Manufacturing Company. (See Trussell, Clarence D., assignor.)
Trusty, Harry P. (See Barnett, H. J., and Trusty.)
Trusty, Harry P., Los Angeles, Calif. Life preserving mechanism for airships. 1,859,542; May 24.
Trutch, Charles J. H., Rugby, England. System of electric motor control. 1,864,327; June 21.
Truxell, Clyde W., jr. (See Udale, S. M., and Truxell.)
Tryco Products Inc. (See Holmes, Franklin T., assignor.)
Tryon, Howard R., and J. G. Nilsson, Proctor, Vt. Projecting machine. 1,850,903; Mar. 22.
Tryon, Le Roy C., Chicago, Ill. Measuring apparatus. 1,841,995; Jan. 19.
Tryon, William A., Elmira, N. Y. Assembling yieldable bushings on supporting pins. 1,888,642; Nov. 22.
Tryon, William A., Elmira, N. Y. Forming grooves in the ends of tubular articles. 1,889,294; Nov. 29.
Tryon, William A., assignor to Patent Purchasing Company, Elmira, N. Y. Bearing lubricating means. 1,850,301; Oct. 4.
Tscherning, Henry, deceased, Freeport, by H. K. Tscherning, executor, assignor to Arcade Manufacturing Company, Freeport, Ill. Molding machine. 1,890,203; Dec. 6.
Tscherning, Hugo K., executor. (See Tscherning, Henry.)
Tschiya, Konosuke, Sausalito, Calif. Container and mailing same. 1,862,856; June 14.
Tschopp, Jacob, Schenectady, N. Y., assignor to General Electric Company. Film guide roller. 1,854,004; Apr. 12.
Tschörner, Ludwig, Vienna, Austria. Picture reproducing device for television. 1,888,893; Nov. 22.
Tschudi, Erwin W., Baltimore, assignor to The Black & Decker Manufacturing Company, Towson, Md. Hammer rectilinear reciprocation. 1,860,826; May 31.
Tschudi, Erwin W., Baltimore, assignor to The Black & Decker Manufacturing Company, Towson, Md. Elastic coupling. 1,874,658; Aug. 30.
Tschudy, Frederick, Ensley, Ala. Separating materials. 1,840,267; Jan. 5.
Tschunkur, Eduard, and W. Bock, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. New rubber like masses and preparing the same. 1,859,686; May 24.
Tschunkur, Eduard, and Kiamroth, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Separation of mixtures of primary aromatic amines. 1,861,890; June 7.
Tschunkur, Eduard, Cologne-Mulheim, F. Ballauf, Elberfeld, and E. Herdieckerhoff, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Phenyl indol-sulphonic acids. 1,866,956; July 12.
Tschunkur, Eduard, and E. Kracht, Cologne-Mulheim, and E. Herdieckerhoff, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aminocarbazole-sulphonic acid. 1,880,593; Oct. 4.
Tschunkur, Eduard, and E. Kracht, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing 2.2' diamino-diphenyl-4.4'-disulfonic acid. 1,880,594; Oct. 4.
Tseng, Andrew T. K., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Fluid composition. 1,891,962; Dec. 27.
Tsujita, Saji, Osaka, Japan. Distance meter. 1,840,001; Jan. 5.
Tsutsumi, Yozo, Ebara Gun, Tokyo Fu, Japan. Clinical thermometer. 1,861,944; June 7.
Tua, Marius, Union City, N. J. Safety razor. 1,883,131; Oct. 18.
Tübben, Ludwig. (See Maruhn, J., and Tübben.)
Tubbs, Frank E. (See Ryan, A. W., Tubbs, and Allsworth.)
Tubbs, George E., Hillsdale, Mich. Cam locating and stating machine. 1,849,900; Jan. 12.
Tubbs, W. F., Company, The. (See Gibson, Louis D., assignor.)
Tube Reducing Corporation. (See Coe, George B., assignor.)
Tube Reducing Corporation. (See Neuberth, George E., assignor.)
Tubiolo, Anthony, Columbus, Ohio. Swimming jacket. 1,843,527; Feb. 2.
Tucker, Arthur D. R., assignor to Albion Bottle Company Limited, Oldbury, England. Transferring bottles from bottle-forming machines. 1,867,785; July 19.
Tucker Diesel Motor Co. (See Tucker, E. M., assignor.)
Tucker, Ela J., El Cajon, Calif. Mat weaving machine. 1,853,289; Apr. 12.
Tucker, Emmitt M., Sacramento, Calif., assignor to Tucker Diesel Motor Co., Ltd. Two-cycle gas engine. 1,891,510; Dec. 20.
Tucker, Errol E., Jet, Okla. Golf club. 1,840,924; Jan. 12.
Tucker-Gilmore Mfg. Co. (See Tucker, Jesse D., assignor, and O. A.)
Tucker, Herbert E., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 1,865,803; July 5.
Tucker, Herbert E., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 1,883,132; Oct. 18.
Tucker, James D., Sierra Madre, Calif. Mixing bowl lock. 1,876,264; Sept. 6.
Tucker, Jesse D., assignor to Tucker-Gilmore Mfg. Company, North Sacramento, Calif. Steering mechanism. 1,876,104; Sept. 6.
Tucker, Jesse D., and O. A. Tucker, Sacramento, said J. D. Tucker assignor to Tucker-Gilmore Mfg. Co., North Sacramento, Calif. Vehicle brake. 1,876,265; Sept. 6.
Tucker, John B., Tyseley, Birmingham, England. Electrical plug and socket connection. 1,886,137; Nov. 1.

Tucker, John H., assignor to Gulf Production Company, Houston, Tex. Device for controlling the flow of wells. 1,853,474; Apr. 12.
Tucker, Oliver M. (See Reeves, W. A., and Tucker.)
Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for separating quantities of molten glass from mass. 1,864,575; June 21.
Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Shear structure for glass machinery. 1,864,277; June 21.
Tucker, Oliver M. and W. A. Reeves, Columbus, Ohio, assignors, by mesne assignments, to Hartford-Empire Company Hartford Conn. Getting and delivering formed charges of viscous glass. 1,864,278; June 21.
Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Getting and delivering formed charges of viscous glass. 1,864,279; June 21.
Tucker, Otto A. (See Tucker, Jesse D., and O. A.)
Tucker, Ralph A., Jackson, Mich. Key clip. 1,854,081; Apr. 12.
Tucker, Robert T. (See Osterstrom, R. C., and Tucker.)
Tucker, Spencer J., Jamaica, assignor to Edwd. F. Caldwell & Co. Inc., New York, N. Y. Lighting fixture. Des. 87,857; Sept. 27.
Tucker, Stanley, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of metals. 1,852,526; Feb. 2.
Tuczek, Franz, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Picture transmission. 1,852,371; Dec. 27.
Tudhope, David R., North Hero, Vt. Antiskidding device. 1,850,346; Dec. 6.
Tueckmantel, Hugo, assignor to The T. & L. Co. Inc., Newark, N. J. Bag frame latch. 1,841,508; Jan. 19.
Tuerck-MacKenzie Company. (See Tuerck, Oscar, assignor.)
Tuerck, Oscar, assignor to Tuerck-MacKenzie Company, Portland, Oreg. Apparatus for making concrete pipe. 1,861,727; June 7.
Tuerten, Augustus E. (See Johnson, Charles E., assignor.)
Tufts, Lesley R., East Cleveland, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paster. 1,844,486; Feb. 9.
Tuggle, Edgar O., Sharon, Pa. Pipe. 1,862,443; June 7.
Tuggle, Robert G., Peterstown, W. Va. Circuit controller. 1,866,878; July 5.
Tug-Top Inc. (See Cellars, Robert W., assignor.)
Tuley, Charles B., Glenolden, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,845,545; Feb. 16.
Tulfer-Mfg. Co. (See Starr, Everett L., assignor.)
Tulgreen, Lester. (See Heusser, J., and Tulgreen.)
Tull, Montrose G., Wayne, Pa. Board-feet computer. 1,857,011; May 3.
Tuills, D. & J., Limited. (See Jack, William, assignor.)
Tulloch, David, assignor to Henry B. Newhall Corporation, Garwood, N. J. Method and apparatus for galvanizing. 1,855,876; Nov. 1.
Tully, Albert V., Newark-on-Trent, England. Apparatus for the manufacture of enriched water gas and coal gas. 1,880,161; Sept. 27.
Tully, Francis W., Chestnut Hill, Mass. Tire chain. 1,848,444; Mar. 8.
Tully, George L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,859,757; May 24.
Tully, Sydney J. B., and O. E. Yeo, Newark-on-Trent, England. Apparatus for making mixed water gas and coal gas. 1,880,162; Sept. 27.
Tumblin, James R., assignor of fifty-five per cent to T. D. Wood, Fountain Inn, S. C. Expanding tool. 1,855,430; Apr. 26.
Tumminello, Charles E., assignor of one-fourth to S. A. Greenberg, and one-fourth to H. K. Angel, Pittsburgh, Pa. Perforated card finding or selecting apparatus. 1,865,343; June 28.
Tumulty, Charles L. and F. H., assignors of seventeen per cent to N. McCullough, seventeen per cent to G. W. Pierce, and seventeen per cent to F. Mustard, Anderson, Ind. Process of and apparatus for continuously forming a hollow cornucopia. 1,870,473; Aug. 9.
Tumulty, Forrest H. (See Tumulty, C. L., and F. H.)
Tung-Sol Condensers Inc. (See Caine, Charles H., assignor.)
Tunnel and Mine Machinery Company. (See Warner, A. W., and Ballard, assignors.)
Tunstall, Harold H., Liverpool, assignor of one-half to T. & T. Vicars Limited, Harlestown, England. Machine for applying a layer of plastic material to articles, such as biscuits. 1,858,175; May 10.
Tupper, Lloyd A., assignor to Chicago Manifold Products Company, Chicago, Ill. Ribbon guide. 1,868,153; July 19.
Tupper, Lloyd A., assignor to Chicago Manifold Products Company, Chicago, Ill. Duplicating machine. 1,887,382; Nov. 8.
Turano, Adolphus F., New York, N. Y. Golf ball carrier. 1 862,614; June 14.
Turbine Patents Corporation. (See Klimek, Gustav A., assignor.)
Turbo Knitting Machine Company. (See Bock, Wilhelm, assignor.)
Turbo-Mill Company. (See McCartney, John H., assignor.)
Turbo-Mixer Corporation, The. (See Valentine, K. S., assignor.)
Turck, Allan F., South Orange, N. J. Multicolor printing press. 1,880,369; Oct. 4.
Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 1,869,872; Aug. 2.
Turck, Joseph A. V., Wilmette, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 1,870,699; Aug. 9.
Turek, James R. (See McCurdy, G. R., and Turek.)
Turk, Alonzo B., and G. T. Granger, Okmulgee, Okla. Direction indicator. 1,871,467; Aug. 16.
Turk, Karl, assignor to The Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Production of porcelain enamels. 1,882,244; Oct. 11.
Turcott, David, assignor to Yates-American Machine Company, Beloit, Wis. Automatic turning machine. 1,857,891; May 10.
Turcott, David, assignor to Yates-American Machine Company, Beloit, Wis. Automatic turning machine. 1,857,986; May 10.
Turnbow, Grover D. (See Gray, Chester E., assignor.)
Turnbow, Grover D., Davis, Calif. Food product and making same. 1,878,203; Sept. 20.
Turnbull, Alexander D. (See Finland, J. J., Turnbull, and McIntyre.)
Turnbull, Ira J., New Haven, Conn., assignor to Morgan and Wright, Detroit, Mich. Apparatus for treating rubber. 1,871,348; Aug. 9.
Turnbull, Leroy F., St. Louis, Mo. Machine for handling fabric or articles. 1,873,623; Feb. 23.
Turnbull, Robert, Toronto, Ontario, Canada, assignor, by mesne assignments, to Hugh C. Sicard, New York, N. Y. Article for introducing materials in a metallurgical bath. 1,860,746; Aug. 2.
Turnbull, Stockton G. (See Lagasse, Anthony M., assignor.)
Turnbull, Wallace R., Rothesay, New Brunswick, Canada. Angle indicator for variable pitch propellers. 1,860,827; May 31.
Turnbull, Werd W., Dayton, Ohio, assignor, by mesne assignments, to National Biscuit Company. Ice cream cone. 1,875,960; Sept. 6.
Turnbull, Werd W., Dayton, Ohio, assignor, by mesne assignments, to National Biscuit Company. Ice cream cone. 1,876,105; Sept. 6.
Turnbull, William J., West Vancouver, British Columbia, Canada. Amusement device. 1,849,414; Mar. 15.
Turner, Albert, Shrewsbury, Mass., assignor to The Heald Machine Company, Worcester, Mass. Fluid pressure actuating mechanism. 1,872,212; June 14.
Turner, Alfred E., assignor to Consolidated Gas Company of New York, New York, N. Y. Device for preventing theft of gas. 1,859,047; May 17.
Turner, Anna C., Riverdale, Md. Fruit duff and preparing same. 1,884,923; Oct. 25.
Turner, Archibald J., assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Football helmet. 1,842,353; Jan. 26.
Turner, Archibald J., assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Inflatable ball. 1,853,008; Apr. 5.
Turner, Archibald J., assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Inflatable ball. 1,890,594; Dec. 13.
Turner, Bertrand, assignor to Ferro-Arc Welding Company Limited, London, England. Coated electrode for electric arc welding. 1,863,772; June 21.
Turner Brass Works, The. (See Pagel, Herbert F., assignor.)
Turner, Carroll A. (See Wiggins, J. H., and Turner.)
Turner, Cecil and R. Petersburg, Ill. Frozen custard stand. Des. 86,986; May 17.
Turner, Charles E., Waterbury, assignor to Bridgeport Brass Company, Bridgeport, Conn. Filler cap. 1,865,489; July 5.
Turner, Charles L., assignor of one-half to F. W. Harris, Los Angeles, Calif. Vessel capping machine. 1,865,804; July 5.
Turner, Charles S., Detroit, Mich. Single header multiple-pass superheater. 1,863,174; June 14.
Turner, Charles W., et al. (See Coffman, Samuel M., assignor.)
Turner, Edwin A. (See Lower, N. M., Crawford, and Turner.)
Turner, Edwin A. (See Lower, N. M., and Turner.)
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,856,521; May 3.
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,863,289; June 14.
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker Construction. 1,866,181; July 5.
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 1,870,198; Aug. 2.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive cab underframe. 1,870,199; Aug. 2.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,886,317; Nov. 1.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company. Stoker conveyer. 1,886,764; Nov. 8.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company. Locomotive tender. 1,886,765; Nov. 8.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,889,518; Nov. 29.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, incorporated. Locomotive stoker. 1,889,519; Nov. 29.

Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive. 1,892,372; Dec. 27.

Turner, Franklin W. (See Bergh, J. A., and Turner.)

Turner, Frederick G., Walkerville, Ontario, Canada. Concrete piling. 1,842,849; Jan. 26.

Turner, George K., Elizabethtown, N. Mex. Chute. 1,891,852; Dec. 20.

Turner, Gilbert H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,862,641; June 14.

Turner, Giles A., Milwaukee, Wis. Rack. 1,856,935; May 3.

Turner, H. D., et al. (See Bennett, H. S., and Schmiedekamp, assignors.)

Turner, Harold R., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 1,873,797; Aug. 23.

Turner, Harry W., Schenectady, N. Y., assignor to General Electric Company. Electrical coil. 1,840,139; Jan. 5.

Turner, Harry W., Schenectady, N. Y., assignor to General Electric Company. Electrical coil and making the same. 1,874,722; Aug. 30.

Turner, Henry B., Lawton, Okla. Ice cube tray. 1,858,124; May 10.

Turner, Henry J., Forest Gate, assignor of one-half to F. W. Martinson, Seven Kings, Essex, England. Flying machine. 1,838,713; Nov. 29.

Turner, Herman F., Yukon, Okla. Seed drill. 1,833,133; Oct. 18.

Turner, Jacob L., and J. G. Russell, Milton, Mass. Heat exchanger. 1,857,892; May 10.

Turner, John, Boston, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mechanical control. 1,878,065; Sept. 20.

Turner, John H. (See Marshall, W. C., and Turner.)

Turner, John H., assignor of one-third to C. E. Young, jr., and Augustine, Fla. Electric plug molding. 1,846,462; Feb. 23.

Turner, John J., Williamsville, assignor to National Gypsum Company, Buffalo, N. Y. Plaster board apparatus. 1,856,936; May 3.

Turner, John L., Wellston, Mo. Window. 1,847,029; Feb. 23.

Turner, John Y., Los Angeles, Calif. Shock absorbing seat support. 1,880,181; Sept. 27.

Turner, Joseph C., Oklahoma City, Okla. Roller skate. 1,868,548; July 26.

Turner, Joseph O., Winston-Salem, N. C., assignor to The Mengel Company, Louisville, Ky. Crate fastener. 1,874,452; Aug. 16.

Turner, Joseph V., Wilson, N. C. Casting machine. 1,884,394; Oct. 25.

Turner, Lee H., Yakima, Wash. Box form. 1,852,196; Apr. 5.

Turner, Lewis L., South Meriden, assignor to The Charles Parker Company, Meriden, Conn. Mirror-support. 1,883,824; Oct. 18.

Turner, Luke, and Company Limited. (See Robertson, Charles, assignor.)

Turner, Maurice C., Kew Gardens, assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Desk lock. 1,847,106; Mar. 1.

Turner, Ransom H., Auburndale, assignor to Intertype Corporation, Brooklyn, N. Y. Matrix-assembler. 1,842,356; Jan. 19.

Turner, Ray. (See Turner, Cecil and R.)

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Heddle for looms. 1,847,579; Mar. 1.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Auxiliary shuttle box for shuttle changing looms. 1,856,177; May 3.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cop for weft shuttles. 1,863,815; June 21.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker spindle. 1,873,162; Aug. 23.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle for electrical weft detectors. 1,873,163; Aug. 23.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Internal electrical feeler for shuttles. 1,873,679; Aug. 23.

Turner, Richard G., and V. H. Jennings, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changing loom. 1,873,073; Aug. 23.

Turner Tanning Machinery Company, The. (See Angell, Arnold A., assignor.)

Turner Tanning Machinery Company, The. (See Brill, August C., assignor.)

Turner Tanning Machinery Company, The. (See Halvorsen, Elgii J. S., assignor.)

Turner Tanning Machinery Company, The. (See Jones, Frank S., assignor.)

Turner Tanning Machinery Company, The. (See McLaughlin, George E., assignor.)

Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)

Turner, Walter E., assignor to Atlantic Carton Corporation, Norwich, Conn. Dispensing container. 1,875,781; Sept. 6.

Turner, William, Sheffield, England. Fluid pressure indicator for pneumatic tires and other inflated bodies. 1,878,917; Sept. 20.

Turner, William, Sheffield, England. Fluid pressure indicator for pneumatic tires and other inflated bodies. 1,891,853; Dec. 20.

Turner, William D., New York, N. Y. Absorption bulb for combustion analysis. 1,877,151; Sept. 13.

Turner, William J. (See Mongiardino, J. F., and Turner.)

Turner, William J., Kansas City, Mo. Culvert. 1,854,815; Apr. 19.

Turnock, Lawrence C. (See Temmen, Frank X., assignor.)

Turnpenny, William. (See Prince, D. C., and Turnpenny.)

Turnpenny, William H., Albany, N. Y., assignor to General Electric Company. High tension circuit interrupter. 1,872,530; Aug. 16.

Turney, Harry L., Portland, Oreg., assignor to Patents & Royalties Corporation. Draw work. 1,880,222; Oct. 4.

Turney, Harry L., assignor to Patents & Royalties Corporation, Portland, Oreg. Hoisting engine. 1,881,302; Oct. 4.

Turney, Harry L., Portland, Oreg., assignor to Patents & Royalties Corporation. Logging engine. 1,887,444; Nov. 8.

Turney, Trevor H., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,848,399; Mar. 8.

Turney, Trevor H., assignor to Automatic Electric Company, Liverpool, England. Electrical voice transmission network. 1,868,007; July 26.

Turnquist, Edward, assignor to Guide Lamp Corporation, Anderson, Ind. Manufacture of sheet metal ware. 1,873,164; Aug. 23.

Turole, Raoul, Rome, and C. G. Fasceto, Genoa, Italy. Flow-directing cone for screw propellers. 1,841,387; Jan. 19.

Turpan, Peter, Paterson, N. J. Collar. 1,851,222; Mar. 29.

Turrall, Jonathan C., Toronto, Ontario, Canada. Leg rest. 1,840,825; Jan. 12.

Turrell, Anna R., and O. M. Flesher, Riverbank, Calif. Ear protector. 1,845,689; Feb. 16.

Turrettini, Fernand, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Measuring device for machine tools. 1,854,634; Apr. 19.

Turski, Jozef. (See Iwanowski, W., and Turski.)

Tursky, Charles M., Philadelphia, Pa. Fluid compressor. 1,871,285; Aug. 9.

Tursky, Charles M., Philadelphia, Pa. Fluid compressor. 1,880,595; Oct. 4.

Turton, George D. (See Smith, J., and Turton.)

Turton, Ralph E., Lexington, Ky. Illuminated pencil 1,878,431; Sept. 20.

Turzicky, Francis, assignor to H. E. Bullock, Chicago, Ill. Tractor. 1,855,209; Apr. 26.

Turzicky, Francis, assignor to H. E. Bullock, Chicago, Ill. Braking mechanism. 1,888,643; Nov. 22.

Turzicky, Francis, assignor to H. E. Bullock, Chicago, Ill. Automotive vehicle. 1,888,644; Nov. 22.

Tussing, Reginald M., assignor to The Victor Safe & Equipment Company, Marietta, Ohio. Package of index guides. 1,876,181; Sept. 6.

Tust, Paul. (See Heidenreich, R. M., and Tust.)

Tustin, Wayne C. (See Halstead, S. M., Wickland and Tustin.)

Tuten, James. Hopedale, Mass. Aeroplane. 1,885,392; Nov. 1.

Tuthill Spring Company. (See Moore, Harold T., assignor.)

Tuttle, Daniel V., Louisville, Ky. Air filtering and cleaning device. 1,841,347; Jan. 12.

Tuttle, Emmett H., Berlin Heights, Ohio. Music cabinet and stand. 1,874,143; Aug. 30.

Tuttle, Fordyce, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,880,596; Oct. 4.

Tuttle, Harrey C., Atlanta, Ga. Bread slicing device. 1,867,993; July 19.

Tuttle, Leonard I., Buchanan, assignor to The Standard Textile Products Company, New York, N. Y. Pattern fitting gear for multicolor printing machines. 1,856,363; May 3.

Tuttle, Leonard I., Buchanan, N. Y. Still adjustment for pattern fitting for multiple printing machines. 1,856,922; Nov. 8.

Tuttle, Malcolm H., New Orleans, La. Temperature control. 1,839,425; Jan. 5.

Tuttle, Malcolm H., New Rochelle, N. Y. Distillation of lubricating stock. 1,851,550; Mar. 29.

Tuvin, Louis A., New York, N. Y. Food accessory compound. 1,891,697; Dec. 20.

Tuvin, Louis A., Great Neck, N. Y. Producing a food accessory compound. 1,891,698; Dec. 20.

Tuzzo, Felix, assignor of one-fourth to S. S. Wallens and one-fourth to J. Elkes, Buffalo, N. Y. Airplane propeller. 1,862,207; June 7.

Tweed, Russell B., and C. Watson, St. Petersburg, Fla. Aircraft skid shoe. 1,868,677; July 26.

Tweit, Olav, Orange, N. J., and S. R. Tymstra, Flushing, assignors to Semet-Solvay Engineering Corporation, New York, N. Y. Valve. 1,854,531; Apr. 19.

Tweit, Olav, Orange, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Scale for charging machines. 1,880,597; Oct. 4.

Twentieth Century Machinery Co. (See Strelow, Henry A., assignor.)

Twentyman, James L., Cortland, N. Y. Potato digger. 1,864,382; June 21.

Twin Coach Company. (See Fageol, Frank R., assignor.)

Twin Coach Company. (See Fageol, William E., assignor.)

Twin Disc Clutch Company, The. (See Pearmain, William J., assignor.)

Twining, E. L. (See McLaughlin, Wilson L. and H. L., assignors.)

Twining, Sidney, and T. M. Ingman, assignors to Paramount Publix Corporation, Los Angeles, Calif. Sound record printing. 1,859,999; May 24.

Twiss, Alfred T., Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,873,680; Aug. 23.

Twiss, Douglas F. (See Murphy, E. A., James, and Twiss.)

Twiss, Douglas F. (See Murphy, E. A., and Twiss.)

Twiss, Douglas F., and E. A. Murphy, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Manufacture of rubber and similar vegetable resins. 1,846,164; Feb. 23.

Twiss, Douglas F., and E. A. Murphy, Birmingham, England, assignors to The Dunlop Rubber Company Limited. Covering of wire, thread-like and filamentary material, and the like, with India rubber, gutta-percha, balata, or similar materials or compounds thereof and apparatus therefor. 1,857,987; May 10.

Twiss, Douglas F., and E. A. Murphy, Birmingham, England, assignors to Dunlop Rubber Company Limited. Manufacture of hollow rubber articles from rubber or similar materials. 1,860,070; May 31.

Twiss, Douglas F., Wylde Green, and T. Purkis, Moseley, and E. A. Murphy, Wylde Green, assignors to Dunlop Rubber Company Limited, Birmingham, England. Manufacturing rubber articles. 1,870,788; Aug. 9.

Twiss, Douglas F., and E. A. Murphy, Birmingham, England, assignors to Dunlop Rubber Company Limited. Making tubular objects from rubber compositions. 1,877,207; Sept. 13.

Twiss, Douglas F., and E. A. Murphy, Birmingham, England, assignors to Dunlop Rubber Company Limited. Manufacture of goods from aqueous dispersions of or containing rubber and like similar resins. 1,887,190; Nov. 8.

Twombley, Herbert E., assignor to C. B. Parker, Riverside, Calif., executrix of the estate of G. D. Parker, deceased. Conveyer system. 1,853,034; Apr. 5.

Twomley, Herbert E., assignor to the estate of G. D. Parker, C. B. Parker, executrix, Riverside, Calif. Fruit box strapping machine. 1,859,645; Jan. 5.

Twombley, Herbert E., assignor to C. B. Parker, Riverside, Calif., executrix of the estate of Geo. D. Parker, deceased. Conveyer system. 1,853,787; Apr. 12.

Twombley, Herbert E., assignor to C. B. Parker, Riverside, Calif., executrix of the estate of George D. Parker, deceased. Conveyer system. 1,853,788; Apr. 12.

Twombley, Herbert E., Riverside, Calif., assignor to C. B. Parker, executrix of the estate of George D. Parker, deceased. Extensible conveyer. 1,885,568; Nov. 1.

Twomley, Herbert E., assignor to C. B. Parker, Riverside, Calif., executrix of G. D. Parker, deceased. Nail gate for nailing machines. 1,888,520; Nov. 22.

Twort, Frederick W., Camberley, England. Electromagnetic coupling device or electrical transformer. 1,887,470; Nov. 8.

Two Way Electric Grinder Company. (See Gibson, Carson C., assignor.)

Twyman, Frank, assignor to Adam Hilger, Limited, London, England. Monochromator. 1,840,476; Jan. 12.

Tydeman Tool Company. (See Tydeman, Clarence W., assignor.)

Tydeman, Clarence W., Englewood, Colo., assignor to Tydeman Tool Company. Abrasive reamer. 1,841,343; Jan. 12.

Tyden, Emil, Hastings, Mich. Temperature responsive device. 1,856,274; May 3.

Tyden, Emil, Hastings, Mich. Apparatus for protection against fire. 1,877,088; Sept. 13.

Tyers, Paul D., Watford, England, assignor to Igranic Electric Company Limited, London, England. Electric microphone. 1,849,891; Mar. 15.

Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)

Tyler, Alfred G., and E. F. Struckman, London, England. Apparatus for measuring the flight of a ball. 1,857,267; May 10.

Tyler, Clark L., Torrance, Calif. Piston for slush pumps and the like. 1,892,022; Dec. 27.

Tyler, Dola, and T. B. Merrill, Tulsa, Okla. Table construction. 1,860,961; May 31.

Tyler, Henry, Cincinnati, Ohio. Motor vehicle. Des. 86,871; Apr. 26.

Tyler, Jerry, Muskegon Heights, Mich. Vegetable spraying device. 1,863,914; June 21.

Tyler, Jesse E., Worcester, N. Y. All metal sanitary partition. 1,851,604; Mar. 29.

Tyler, John H., Los Angeles, Calif. Dirigible airship. 1,852,987; Apr. 5.

Tyler, John T., et al. (See White, Gerald E., assignor.)

Tyler, Ralph S., and H. McGeorge, Cleveland Heights, assignors to The Chandler and Price Company, Cleveland, Ohio. Paper cutting machine. 1,850,598; Oct. 4.

Tyler Rubber Company. (See Lawrence, George L., assignor.)

Tyler, Tracy B., assignor, by mesne assignments, to General Motors Research Corporation, Detroit, Mich. Positive drive clutch. Re18,319; Jan. 5.

Tyler, W. S., Company, The. (See Farch, Mogens N., assignor.)

Tyler, W. S., Company, The. (See Harty, William A., and Moore, assignors.)

Tyler, W. S., Company, The. (See Nickerson, Franklin P., assignor.)

Tyler, W. S., Company, The. (See Reynolds, Morley P., assignor.)

Tyler, Willard G., Denver, Colo. Rotary motor. 1,843,409; Feb. 2.

Tyler, Willard G., Denver, Colo. Automobile baby crib. 1,885,493; Nov. 1.

Tyler, William C., assignor to W. E. Pratt Mfg. Co., Joliet, Ill. Screw jack. 1,879,909; Sept. 27.

Tymstra, Sybren R. (See Olva, Tweit.)

Tyner, William A., Indianapolis, Ind. Wax stripper. 1,852,459; Oct. 11.

Typograph, G. m. b. H. (See Dorneth, Julius, assignor.)

Tyrrell, Claude U., Los Angeles, Calif. Foldable toy monoplane. 1,842,041; Jan. 26.

Tyrrell, Torrance D., Erie, Pa., assignor to General Electric Company. Generator excitation system. 1,891,072; Dec. 13.

Tyrrell, Warren A., Merrick, assignor to Chemical Treatment Company, Inc., New York, N. Y. Electro-depositing chromium and the like. 1,850,426; Mar. 22.

Tyrrell, Wilbur L., Jersey City, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Diaphragm. 1,844,487; Feb. 9.

Tysick, Robert W., assignor of one-half to Frederick J. Pudlow, Perth, Ontario, Canada. Dustpan. 1,868,297; July 19.

Tyson, Frank, Canton, Ohio. Tapered roller bearing. 1,851,551; Mar. 29.

Tyson, Frank, Canton, Ohio. Freezing mechanism. 1,874,718; Aug. 30.

Tyson, Frank, Canton, Ohio. Roller bearing. 1,884,395; Oct. 25.

Tyson, Leonard E., Manitowoc, Wis. Table. 1,892,373; Dec. 27.

Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling sheets. Re18,413; Apr. 5.

Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Sheet metal rolling process. 1,842,220; Jan. 19.

Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling and annealing process. 1,874,144; Aug. 30.

U. G. I. Contracting Company, The. (See Bosler, Wilson T., assignor.)

U. G. I. Contracting Company. (See Haug, John S., assignor.)

U. G. I. Contracting Company, The. (See Janeway, Price W., jr., assignor.)

U. G. I. Contracting Company, The. (See Rusby, J. M., and Battin, assignors.)

U S L Battery Corporation. (See Haungs, George M., assignor.)

Udal, John P., Selly Park, Birmingham, England. Press guard. 1,875,527; Sept. 6.

Udale, Stanley M., assignor, by mesne assignments, to Erb-Joyce Foundry Company, Detroit, Mich. Brake drum. 1,881,002; Oct. 4.

Udale, Stanley M., and C. W. Truxell, jr., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Uniflow two-stroke cycle internal combustion engine. 1,875,528; Sept. 6.

Uden, Jacob T., New York, N. Y. Shoe shining machine. 1,881,036; Oct. 4.

Udet, Ernst, Berlin-Wilmersdorf, Germany. Displaying a sign in the air. 1,857,292; May 10.

Udet, Ernst, Berlin, Germany. Moving target for practice shooting. 1,857,893; May 10.

Udet, Ernst, assignor to the Firm: Udet-Schleppschrift Gesellschaft mit beschrankter Haftung, Berlin, Germany. Aerial advertising and apparatus. 1,857,415; May 10.

Udet-Schleppschrift Gesellschaft mit beschrankter Haftung. (See Udet, Ernst, assignor.)

Ulp, Marvin J., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Manufacture of chromic acid. 1,878,918; Sept. 20.

Ulrich Process Company. (See Dubpernell, George, assignor.)

Uebelmesser, Charles R., assignor to Elizabeth Uebelmesser, New York, N. Y. Condenser. 1,842,301; Jan. 19.

Uebelmesser, Elizabeth. (See Uebelmesser, Charles R., assignor.)

Uebelmesser, Elizabeth. (See Wenderhold, William, assignor.)

Uecker, Otto E., assignor to A. O. Smith Corporation Milwaukee, Wis. Apparatus for electric arc welding. 1,884,396; Oct. 25.

Uehling, Fritz F., Passaic, N. J. Automatic control device. 1,840,546; Jan. 12.

Uehling, Fritz F., Passaic, N. J. Recording potentiometer. 1,841,558; Jan. 19.

Uehling, Fritz F., Passaic, N. J. Automatic temperature control device. 1,841,559; Jan. 19.

Uehling, Fritz F., Passaic, N. J. Thermocouple and its electrical connections. 1,857,827; Nov. 15.

Ufer, Edwin. (See Ritter, G., and Ufer.)

Ufer, Hanns, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of modified castor oil. 1,892,258; Dec. 27.

Ugglа, Wilhelm R., Morby, Stockund, assignor to Luth & Rosens Elektriska Aktiebolag, Stockholm, Sweden. Electric machine. 1,844,193; Feb. 9.

Ugine-Infra. (See Serpek, Victor and Lafont, assignors.)

Uhalt, Max A. L., Cleveland, Ohio. Meal serving mat. 1,881,416; Oct. 4.

Uhden, Carl F., H. E. Schultheis, and L. M. Barringer, Seattle, Wash.; said Uhden and said Schultheis assignors to said Barringer. Relief faucet. 1,846,699; Feb. 23.

Uher, Simond, jr., Budapest, Hungary, assignor to Uher-type Aktiengesellschaft, Glarus, Switzerland. Justifier for photographical or other typesetting machines. 1,836,004; May 17.

Uhertype Aktiengesellschaft. (See Uher, Edmond, jr., assignor.)

Uhl, Clement R., assignor to The Toledo Metal Furniture Company, Toledo, Ohio. Caster. 1,871,098; Aug. 9.

Uhl, Fred F. (See Kime, L. F., and Uhl.)

Uhlemann, Richard H. (See Uhlemann, William R., assignor.)

Uhlemann, William R., Evanston, Ill. Lens-mount. 1,877,098; Sept. 13.

Uhlemann, William R., Evanston, assignor, by mesne assignments, to Richard H. Uhlemann, Winnetka, Ill. Eyeglass lens. 1,838,193; Oct. 11.

Uhlhorn, Emil. (See Rubinstein, J., Heidelberg, Uhlhorn, and Dahner.)

Uhlich, Carl E., and Hans O. H. von Stern, Leipzig, assignors of one-half to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Apparatus for developing light-sensitive material. 1,861,329; May 31.

Uhlig, Johannes H. (See Sperlich, H. A., and Uhlig.)

Uhrey, Gusta W., et al. (See Priest, Roland C., assignor.)

Uhrey, Lewis P., et al. (See Priest, Roland C., assignor.)

Uhri, William C., jr., Clayton, assignor by mesne assignments, to Central Engineering & Sales Company, St. Louis, Mo. Stuffing box for valves or the like. 1,847,281; Mar. 1.

Uhri, William C., jr., Clayton, assignor, by mesne assignments, to Central Engineering & Sales Company, St. Louis, Mo. Drier device. 1,848,406; Mar. 8.

Uhrik, Willie, Bellville, Tex. Poultry feeder. 1,878,555, Sept. 20.

Uhsenkun, Rudolf. (See Strauss, D., and Uhsemann.)

Uible, Frank R. (See Lingo, W. W., and Cronburg, assignors.)

Ulitendal, Cornelius, New Canaan, Conn. Garden reel. 1,871,483; Aug. 16.

Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe joint. 1,880,599; Oct. 4.

Ulam, Ura U., administrator. (See Ulam, U. U., and Frykman.)

Ulam, Ura U., and O. Frykman, deceased, Avonmore, Pa.; U. U. Ulam, administrator. Motor vehicle starting attachment. 1,845,855; Feb. 16.

Ulbrich, Hilmer. (See Bisschop, E., Ulbrich, and Wirth.)

Ulbrich, Ernst. (See Volst, G., and Ulbricht.)

Ulery, James R. (See Thompson, E. S., and Ulery.)

Ulfers, Ira, Milwaukee, Wis. Coat collar position retainer 1,846,290; Mar. 1.

Uline, Michiel J., Toledo, Ohio, assignor, by mesne assignments, to Gifford-Wood Company, Hudson, N. Y. Ice scoring machine. 1,857,894; May 10.

Uline, Walter C., Nappanee, Ind., assignor to Nappanee Lumber and Manufacturing Company. Table frame. Re18,591; Sept. 6.

Uline, Walter C., Nappanee, Ind. Machine for assembling ladder pants. 1,842,850; Jan. 26.

Uline, Walter C., Nappanee, Ind. Folding table. 1,858,253; May 17.

Uline, Walter C., Nappanee, Ind. Foldable settee. 1,858,254; May 17.

Ullman, Martin, New York, N. Y. Container. 1,847,703; Mar. 1.

Ullmann, Fritz, Geneva, Switzerland, assignor to General Aniline Work's Inc., New York, N. Y. Production of new vat dyestuffs of the anthraquinone acridone series and the products. 1,850,482; Mar. 22.

Ullom, Virgil V., et al. (See Gonsett, Robert R., assignor.)

Ulrich, Georg, Magdeburg, Germany, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Magnetic separation and discharge of bulk goods. 1,842,851; Jan. 26.

Ulrich, Georg, Magdeburg, assignor to Fried Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Charging device of the hopper type. 1,866,781; July 12.

Ulrich, Georg, Magdeburg, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg, Buckau, Germany. Apparatus for magnetic separation of materials. 1,890,951; Dec. 13.

Ulrich, Heinrich. (See Klein, R., and Ulrich.)

Ulrich, Julius M., Riverside, assignor to Palmer Bros. Engines, Inc., Cos Cob, Conn. Reversing mechanism for power boats. 1,867,427; July 12.

Ulmann, Edgar A., assignor to Standard Boiler & Steel Works, Los Angeles, Calif. Exhaust box. 1,885,494; Nov. 1.

Ulmer, Donald L., Binghamton, N. Y. Portable supports for washing machines. 1,881,335; Oct. 4.

Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. Dental X-ray tube. 1,872,335; Aug. 16.

Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. Cathode ray oscillograph. 1,870,975; Aug. 9.

Ulrey, Dayton. (See Zworykin, V. K., and Ulrey.)

Ulrey, Dayton, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube device. 1,872,336; Aug. 16.

Ulrich, Charles A., Hartford, Conn. Curtain operating mechanism. 1,858,867; May 17.

Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Support for phonographic machines. 1,855,782; Apr. 26.

Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Desk. 1,886,766; Nov. 8.

Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Typewriter desk. 1,892,414; Dec. 27.

Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Desk. 1,892,415; Dec. 27.

Ulrich, Edward F., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,878,205; Sept. 20.

Ulrich, Horace W., Newark, N. J., assignor to Bell Telephone Labratories, Incorporated, New York, N. Y. Trunk circuit. 1,863,158; Oct. 18.

Ulrich, Louis, Dominion, Nova Scotia, Canada. Brake system. 1,878,734; Sept. 20.

Ulrich, Otto, Cronbert-on-the-Taunus, Germany. Advertising device. 1,870,077; Aug. 2.

Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Synchronous motor. 1,845,770; Feb. 16.

Umbel, Roy E., Struthers, Ohio. Coke oven door. 1,880,600; Oct. 4.

Umberto, Onorati, Toledo, Ohio. Automatic firearm. 1,839,621; Jan. 5.

Umberto, Onorati, Toledo, Ohio. Apparatus for lifting and turning vehicles. 1,865,805; July 5.

Umbright, Emil, Jackson, Mich., assignor, by mesne assignments, to The Commonwealth & Southern Corporation of Maryland, Baltimore, Md. Basket type anchor. 1,890,271; Dec. 6.

Umenster, Harry E., Nashville, Tenn., assignor to Interior Dust and Smoke Screen Company. Interior dust and smoke screen. 1,854,677; Apr. 19.

Umesaki, Hachitaro, Chicago, Ill. Aeroplane control. 1,839,716; Jan. 5.

Umont, William, assignor of one-half to C. W. Anderson, Dunellen, N. J. Apparatus for recovering waste oil. 1,850,483; Mar. 22.

Underberg, Henry, Brooklyn, N. Y., assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 66,872; Apr. 26.

Underberg, Henry, Brooklyn, assignor to Frankart, Inc., New York, N. Y. Statuette or similar article. Des. 66,901; May 3.

Underdahl, Birger, Portland, Oreg. Denture press. 1,871,137; Aug. 9.

Underground Steam Construction Company. (See Lawrence, Almon R., assignor.)

Underpinning and Foundation Company. (See Meem, James C., assignor.)

Underwood, Arthur F., assignor to General Motors Research Corporation, Detroit, Mich. Lubricating system. 1,872,365; Aug. 16.

Underwood, Charles E., and C. E. Lehr, Bethlehem, Pa., assignor, by mesne assignments, to The Koppers Company of Delaware. Gate for coke wharves. 1,876,799; Sept. 13.

Underwood, Clarence A., East Chicago, Ind. Measurement of pressure differentials. 1,869,400; Aug. 2.
Underwood Drilling Company. (See Dublin, Reagan C., assignor.)
Underwood Elliott Fisher Company. (See Conard, Frederick U., assignor.)
Underwood Elliott Fisher Company. (See Cooper, John J., assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Elliott Fisher Company. (See Lasher, Hiram S., assignor.)
Underwood Elliott Fisher Company. (See Lear, Arthur F., assignor.)
Underwood Elliott Fisher Company. (See Platt, Newell C., assignor.)
Underwood Elliott Fisher Company. (See Reppert, Richard V., assignor.)
Underwood Elliott Fisher Company. (See Rowley, Edward G., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)
Underwood Elliott Fisher Company. (See Thorell, Edwin, assignor.)
Underwood Elliott Fisher Company. (See Vickers, Harry H., assignor.)
Underwood, Gates E., assignor of three-fifths to L. K. Cameron, San Francisco, Calif. Music writing machine. 1,847,282; Mar. 1.
Underwood, Julius E., and C. A. Cabell, Washington, D. C., assignors to National Lime Association. Lime mixture. 1,878,206; Sept. 20.
Underwood, Western, Santa Monica, assignor to La Lux Manufacturing Company, Los Angeles, Calif. Insert for molds. 1,843,853; Feb. 2.
Ungar, Gustave A. (See Steindorff, U. F. L., Heller, and Ungar.)
Ungar, Gustave A. (See Steindorff, U. F. L., and Ungar.)
Ungar, Gustave A., Pelham Manor, N. Y. Cutting shear. 1,843,655; Feb. 2.
Ungar, Gustave A., Pelham Manor, N. Y. Portable shears. 1,848,147; Mar. 8.
Ungar, Gustave A., Pelham Manor, N. Y. Portable power driven saw. 1,855,371; Apr. 26.
Ungar, Gustave A., Pelham Manor, N. Y. Manufacture of corrugated paper blanks. 1,861,991; June 7.
Ungar, Gustave A., Pelham Manor, N. Y. Creasing and folding machine. 1,882,531; Oct. 11.
Ungar, Gustave A., Pelham Manor, assignor to Commercial Patents Incorporated, New York, N. Y. Fluid apparatus provided with cooperating rotary pistons. 1,846,700; Feb. 23.
Ungeheuer, Ernest W., Dallas, Tex. Container for tables. 1,857,322; May 10.
Unger, Abraham, assignor to Concord Chenille Company, Inc., New York, N. Y. Making fabrics. 1,889,733; Nov. 29.
Unger, Joseph, Brooklyn, N. Y. Lock. 1,841,388; Jan. 19.
Unger, Lloyd A., trustee. (See Lonaberger, R. F., and Sands.)
Unger, Louis, Warren, Mich. Automatic camber plate. 1,878,030; Sept. 20.
Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Chain post and making the same. 1,857,988; May 10.
Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Extension post for chain post binders. 1,883,253; Oct. 18.
Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Record binder. 1,883,254; Oct. 18.
Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Index stand. 1,883,255; Oct. 18.
Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,889,230; Nov. 29.
Ungerer, Karl F., Pforzheim, Germany. Straightening and rolling machine. 1,856,937; May 3.
Ungnade, Otto, Mason, Mich., assignor to S. M. A. Corporation, Cleveland, Ohio. Manufacture of citrates and citric acid. 1,876,366; Sept. 6.
Uniclox Corporation. (See Schulse, Herman E., assignor.)
Uniflow Manufacturing Company. (See Bashioum, Jacob C., assignor.)
Uniflow Manufacturing Company. (See Kuebler, C. A., and Martin, assignors.)
Uni-Lec-Tric Burner Corporation. (See Appel, Oscar, assignor.)
Union Asbestos and Rubber Company. (See Gillies, William R., assignor.)
Union Bag & Paper Corporation. (See Avery, True M., assignor.)
Union Bank of Chicago. (See Cowles, Irving, assignor.)
Union Bank & Trust Co., administrator. (See Delaney, John H.)
Union Bed and Spring Company. (See Powers, G. G., and Sieger, assignors.)
Union Carbide & Carbon Research Laboratories, Inc. (See Hasse, Frank C., assignor.)
Union Carbide & Carbon Research Laboratories, Inc. (See Miller, Samuel W., assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Mott, Chester, assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Mott, C., and Spencer, assignors.)
Union Carbide and Carbon Research Laboratories, Inc. (See Queich, George C., assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Spencer, Gerald G., assignor.)
Union Carbide Company. (See Erickson, Albert N., assignor.)
Union Chimique Belge, Societe Anonyme. (See Guillissen, Joseph, assignor.)
Union Chimique Belge Societe Anonyme. (See Kalix, Johannes A., assignor.)
Union Chimique Belge, Societe Anonyme. (See Piette, Olivier, assignor.)
Union Cold Storage Company, The. (See Downing, Clifford J., assignor.)
Union d'Electricite. (See Fallou, Jean G., assignor.)
Union d'Electricite. (See Fournier, Aime B., assignor.)
Union Draft Gear Company. (See Bernard, H., and Cotton, assignors.)
Union Draft Gear Company. (See Cotton, Walter H., assignor.)
Union Draft Gear Co. (See Sproul, Donald F., assignor.)
Union Drawn Steel Company. (See Causer, Edward T., assignor.)
Union Hardware Company. (See Deering, William, assignor.)
Union Industrial Trust Company, The, et al., executors. (See Heginbottom, W. G. and Francis.)
Union Iron Works. (See Bach, George W., assignor.)
Union Iron Works. (See MacCamy, Harry J., assignor.)
Union Lithograph Co., The. (See Karger, Eric R., assignor.)
Union Machinery Company. (See Marasso, Fred, assignor.)
Union Manufacturing Company, The. (See Church, Albert E., assignor.)
Union Metal Manufacturing Company, The. (See Riemenschneider, Edmund W., assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Metal Products Company. (See Murphy, Walter P., assignor.)
Union Metal Products Company. (See Nicholas, Charles W., assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
Union Metal Products Company. (See Swann, James S., assignor.)
Union Mills Paper Manufacturing Company. (See Oblinger, Daniel B., assignor.)
Union Oil Company of California. (See Dunham, Robert A., assignor.)
Union Oil Company of California. (See Dunham, R. A., and Fluxman, assignors.)
Union Oil Company of California. (See Grinnell, Samuel H., assignor.)
Union Oil Company of California. (See Grinnell, S. H., and Rubel, assignors.)
Union Oil Company of California. (See Hill, Frank F., assignor.)
Union Oil Company of California. (See Kogan, J. J., assignor.)
Union Oil Company of California. (See Lake, Francis W., assignor.)
Union Oil Company of California. (See Ott, Thomas F., assignor.)
Union Oil Company of California. (See Pollock, Ralph C., assignor.)
Union Oil Company of California. (See Ragatz, Edward G., assignor.)
Union Oil Company of California. (See Salmond, John, assignor.)
Union Oil Company of California. (See Subkow, Philip, assignor.)
Union Oil Company of California. (See Subkow, P., and Kogan, assignors.)
Union Railway Equipment Company. (See O'Connor, Arthur F., assignor.)
Union Sandpaper Company. (See Derby, Charles H., assignor.)
Union Sandpaper Company. (See Eaglesfield, Robert D., assignor.)
Union Solvents Corporation. (See Fernbach, Auguste, assignor.)
Union Special Machine Company. (See Berger, Joseph, assignor.)
Union Special Machine Company. (See Chalman, John E., assignor.)
Union Special Machine Company. (See Christensen, Norman V., assignor.)
Union Special Machine Company. (See Christensen, N. V., and Hanneman, assignors.)
Union Special Machine Company. (See Christensen, N. V., and Le Vesconte, assignors.)
Union Special Machine Company. (See Christensen, N. V., Rubel, and Zeier, assignors.)

Union Special Machine Company. (See Dykeman, Harry E., assignor.)
Union Special Machine Company. (See Ericsson, Arvid, assignor.)
Union Special Machine Company. (See Feigel, W. A., and Carver, assignors.)
Union Special Machine Company. (See Gunnerson, Carl, assignor.)
Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.)
Union Special Machine Company. (See Redcay, Paul D., assignor.)
Union Special Machine Company. (See Reichelt, Raymond E., assignor.)
Union Special Machine Company. (See Riviere, Albert S., assignor.)
Union Special Machine Company. (See Rubel, Charles F., assignor.)
Union Special Machine Company. (See Smith, Clarence C., assignor.)
Union Special Machine Company. (See Thompson, Charles S., assignor.)
Union Special Machine Company. (See Thompson, C. S., and Long, assignors.)
Union Special Machine Company. (See Zeier, Frederick F., assignor.)
Union Special Machine Company. (See Zeier, F. F., and Rohel, assignors.)
Union Special Machine Company. (See Zeier, F. F., and Smith, assignors.)
Union Special Maschinenfabrik G. m. b. H. (See Lutz, Friedrich, assignor.)
Union Special Maschinenfabrik, G. m. b. H. (See Maier, Karl, assignor.)
Union Special Maschinenfabrik G. m. b. H. (See Schnurrbusch, Kurt, assignor.)
Union Special Maschinenfabrik, G. m. b. H. (See Thorbroe, E., and Lutz, assignors.)
Union Steam Pump Company. (See Bird, John C., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Steel Products Company. (See Fiske, Kenneth B., assignor.)
Union Steel Products Company. (See Hatch, Charles T., assignor.)
Union Steel Products Company. (See Lutzke, William F., assignor.)
Union Switch & Signal Company, The. (See Ackerly, Donald L., assignor.)
Union Switch & Signal Company, The. (See Alexander, V. S., and Ackerly, assignors.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Allison, L. R., and Nicholson, assignors.)
Union Switch & Signal Company, The. (See Ashworth, Harry E., assignor.)
Union Switch & Signal Company, The. (See Aylsworth, Selden P., assignor.)
Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
Union Switch & Signal Company, The. (See Baumgartner, Godfrey, assignor.)
Union Switch & Signal Company, The. (See Beall, C. R., and Gilson, assignors.)
Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Bone, H. L., and Livingston, assignors.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
Union Switch & Signal Company, The. (See Bowling, Philip H., assignor.)
Union Switch & Signal Company, The. (See Burns, Charles R., assignor.)
Union Switch & Signal Company, The. (See Butler, C. W., and Johnston, assignors.)
Union Switch & Signal Company, The. (See Cameron, Morrison C., assignor.)
Union Switch & Signal Company, The. (See Clausen, Harold C., assignor.)
Union Switch & Signal Company, The. (See Clausen, H. C., and Logan, jr., assignors.)
Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Dalzell, Clyde V., assignor.)
Union Switch & Signal Company, The. (See Devol, Lee, assignor.)
Union Switch & Signal Company, The. (See Dixon, Howell N., assignor.)
Union Switch & Signal Company, The. (See Donovan, N. L., and Lake, assignors.)
Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
Union Switch & Signal Company, The. (See Downes, David G., assignor.)
Union Switch & Signal Company, The. (See Edmonds, Courtenay H. W., assignor.)
Union Switch & Signal Company, The. (See Failor, Charles W., assignor.)
Union Switch & Signal Company, The. (See Fisher, A. W., and Wells, assignors.)
Union Switch & Signal Company, The. (See Freeman, Lewis C., assignor.)
Union Switch & Signal Company, The. (See Geiger, Paul H., and Strobel, assignors.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Gilson, R. M., and O'Hagan, assignors.)
Union Switch & Signal Company, The. (See Gilson, R. M., and Thompson, assignors.)
Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
Union Switch & Signal Company, The. (See Hobson, John S., assignor.)
Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)
Union Switch & Signal Company, The. (See Howard, Lemuel F., assignor.)
Union Switch & Signal Company, The. (See Jefferson, Glen V., assignor.)
Union Switch & Signal Company, The. (See Jefferson, G. V., and Little, assignors.)
Union Switch & Signal Company, The. (See Johnston, Allen T., assignor.)
Union Switch & Signal Company, The. (See Kemmerer, Ralph R., assignor.)
Union Switch & Signal Company, The. (See Lay, Charles H., assignor.)
Union Switch & Signal Company, The. (See Lozich, Branko, assignor.)
Union Switch & Signal Company, The. (See Lee, Frederick W., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Union Switch & Signal Company, The. (See Little, Edwin G., assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See Lucas, Samuel R., assignor.)
Union Switch & Signal Company, The. (See Martin, Paul N., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See McCaulley, John E., assignor.)
Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)
Union Switch & Signal Company, The. (See Miskelly, Samuel, assignor.)
Union Switch & Signal Company, The. (See Nagle, Ronald F., assignor.)
Union Switch & Signal Company, The. (See Nettleton, Lewis L., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Switch & Signal Company, The. (See Nicholson, F. H., and Blosser, assignors.)
Union Switch & Signal Company, The. (See Nicholson, F. H., and Thompson, assignors.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Union Switch & Signal Company, The. (See O'Meara, Thomas J., assignor.)
Union Switch & Signal Company, The. (See Padmore, Bertram R., assignor.)
Union Switch & Signal Company, The. (See Peter, L. H., and Abbott, assignors.)
Union Switch & Signal Company, The. (See Peter, L. H., and Pearce, assignors.)
Union Switch & Signal Company, The. (See Rudolph, H. V., and Bryan, assignors.)
Union Switch & Signal Company. (See Sasnett, Edward C., assignor.)
Union Switch & Signal Company, The. (See Shaw, Noble C., assignor.)
Union Switch & Signal Company, The. (See Smith, William E., assignor.)
Union Switch & Signal Company, The. (See Snyder, Mills R., assignor.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch & Signal Company, The. (See Sosinski, Paul R., assignor.)
Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
Union Switch & Signal Company, The. (See Thompson, Bernard A., assignor.)
Union Switch & Signal Company, The. (See Thompson, H. A., and Nicholson, assignors.)
Union Switch & Signal Company, The. (See Utne, Per, assignor.)
Union Switch & Signal Company, The. (See Vantassel, Harry C., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Switch & Signal Company, The. (See Wells, Wesley B., assignor.)

Union Switch & Signal Company, The. (See Williamson, Arba G., assignor.)
Union Switch & Signal Company, The. (See Williamson, K. T., and Seaverson, assignors.)
Union Switch & Signal Company, The. (See Wyant, Leroy, assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
Union Switch & Signal Company, The. (See Zierdt, Conrad H., assignor.)
Union Tool Chest Company. (See Moyes, William R., assignor.)
Union Tool Company. (See Falleson, John A., assignor.)
Union Trust Company, The. (See Willsie, Henry E., assignor.)
Union Trust Co., et al., executor. (See Laughlin, Alexander, jr.)
Union Trust Company of Pittsburgh, The, administrator. (See Haworth, John F.)
Union Trust Company of Pittsburgh, The, et al., executors. (See Culbertson, Albert L.)
Unipress Company, The. (See Lindemann, Frederick W., assignor.)
Unipress Company, The. (See Raynolds, John F., assignor.)
Unique Balance Co. (See Larson, Algot, assignor.)
Unique Manufacturing Company, Inc. (See French, Jeannette, assignor.)
Unit Corporation of America. (See Bixby, Leo A., assignor.)
United Air Cleaner Co. (See Miller, Walter A., assignor.)
United Air Cleaner Corporation. (See Moulding, Thomas G., assignor.)
United Aircraft Products, Inc. (See Dykemann, R. G., and Watkins, assignors.)
United American Bosch Corporation. (See Beeh, L., and Schwarzmann, assignors.)
United American Bosch Corporation. (See Curtis, L. F., and Coe, assignors.)
United American Bosch Corporation. (See Martin, John F., assignor.)
United Autographic Register Co. (See Cooke, Allen B., assignor.)
United Autographic Register Co. (See Euth, John E., assignor.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United Autographic Register Co. (See Jensen, L., and Reucker, assignors.)
United Autographic Register Co. (See Miller, J., assignor.)
United Autographic Register Co. (See Schroeder, Bernard A., assignor.)
United Automatic Rifles Corporation. (See Young, Franklin K., assignor.)
United-Carr Fastener Corporation. (See Borresen, Helge A., assignor.)
United-Carr Fastener Corporation. (See Carr, Fred S., assignor.)
United-Carr Fastener Corporation. (See Carr, Moses F., assignor.)
United-Carr Fastener Corporation. (See Crosby, Earle M., assignor.)
United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
United-Carr Fastener Corporation. (See Hall, C. L., and Walters, assignors.)
United-Carr Fastener Corporation. (See Holmes, George A., assignor.)
United-Carr Fastener Corporation. (See Johnson, Alfred F., assignor.)
United-Carr Fastener Corporation. (See Johnson, Gustav, assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United-Carr Fastener Corporation. (See Kimbell, Arthur W., assignor.)
United-Carr Fastener Corporation. (See Knutson, Carl L., assignor.)
United-Carr Fastener Corporation. (See Lyons, Michael M., assignor.)
United-Carr Fastener Corporation. (See Maynard, George S., assignor.)
United-Carr Fastener Corporation. (See Mitchell, Robert, assignor.)
United-Carr Fastener Corporation. (See Walker, William J., assignor.)
United-Carr Fastener Corporation. (See Walters, Rollo F., assignor.)
United Chromium, Incorporated. (See Birett, Walter, assignor.)
United Chromium, Incorporated. (See Fink, C. G., and McLeese, assignors.)
United Chromium, Incorporated. (See Kirchner, Martin, assignor.)
United Cigarette Machine Company. (See Berger, Martin, assignor.)
United Cigarette Machine Company. (See Gooch, Claiborne W., jr., assignor.)
United Cigarette Machine Company. (See Gooch, C. W., jr., and Marcotte, assignors.)
United Cigarette Machine Company. (See Lorentz, Valentin, assignor.)
United Cigarette Machine Company A.-G. (See Ritscher, Arthur, assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., Johnson, and Talbot, assignors.)
United Engineering & Foundry Company. (See Duston, Ernest W., assignor.)
United Engineering and Foundry Company. (See Ellis, Robert H., assignor.)
United Engineering & Foundry Company. (See Johnson, Lewis, assignor.)
United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
United Engineers & Constructors Inc. (See Hand, Clarence S., assignor.)
United Engineers & Constructors Inc. (See Stelfox, James C., assignor.)
United Feldspar Corporation. (See Peddrick, C. H., jr., and Lewis, assignors.)
United Fruit Company. (See Mackay, Joseph T., assignor.)
United Fruit Company. (See Ridley, Vincent W., assignor.)
United Gas Improvement Company, The. (See Perry, Joseph A., assignor.)
United Gas Improvement Company, The. (See Rusby, John M., assignor.)
United Glass Bottle Manufacturers, Limited. (See Moorshead, Thomas C., assignor.)
United Health Equipment Company. (See Hardy, P. S., and Smith, assignors.)
United Iron Works. (See Aisenstein, Michael D., assignor.)
United Kingdom Optical Company. (See Culver, E., and Emerson, assignors.)
United Kingdom Optical Company, et al. (See Silverman, Jack R., assignor.)
United Kingdom Optical Company et al. (See Stanley, Nathan M., assignor.)
United Kingdom Optical Company, Limited. (See Watson, Frank E., and Culver, assignors.)
United Metal Box Co. Inc. (See Hammer, Samuel, assignor.)
United Metal Hose Co. Inc. (See White, Jonathan N., assignor.)
United Metal Products Company, The. (See D'Atri, Umberto, assignor.)
United Milk Crate Corporation. (See Woolsey, C. A., and Bowman, assignors.)
United Oil Refineries, The, et al. (See Hanke, Julius F., assignor.)
United Piece Dye Works, The. (See Megroz, Georges, assignor.)
United Reproducers Corporation. (See Holly, George S., assignor.)
United Reproducers Patents Corporation. (See Crozier, William D., assignor.)
United Reproducers Patents Corporation. (See Greaves, Valentine F., assignor.)
United Research Corporation. (See Bishop, Joseph W., assignor.)
United Research Corporation. (See Booth, Byron C., assignor.)
United Research Corporation. (See Head, Robert, assignor.)
United Research Corporation. (See March, Norris E., assignor.)
United Research Corporation. (See Mueller, William A., assignor.)
United Research Corporation. (See Nystrom, Martin, assignor.)
United Research Corporation. (See Silberstein, Ludwik, assignor.)
United Shank & Findings Company. (See Laird, Eversleigh R., assignor.)
United Shoe Machinery Corporation. (See Adams, Oscar C., assignor.)
United Shoe Machinery Corporation. (See Allen, George R., assignor.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Bagshaw, Charles M., assignor.)
United Shoe Machinery Corporation. (See Bagshaw, C. M., and Wardle, assignors.)
United Shoe Machinery Corporation. (See Ballard, Harrie A., assignor.)
United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
United Shoe Machinery Corporation. (See Barclay, W. R., and Ricks, assignors.)
United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)
United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Benjamin, John M., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Bessom, Earl A., assignor.)

United Shoe Machinery Corporation. (See Boothroyd, Hubert, assignor.)
United Shoe Machinery Corporation. (See Bourgeois, Adelord, assignor.)
United Shoe Machinery Corporation. (See Braden, Albert R., assignor.)
United Shoe Machinery Corporation. (See Brogan, James A., assignor.)
United Shoe Machinery Corporation. (See Brogan, Michael F., assignor.)
United Shoe Machinery Corporation. (See Bunker, Darius W., assignor.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United Shoe Machinery Corporation. (See Chapin, Herbert L., assignor.)
United Shoe Machinery Corporation. (See Coffey, John B., assignor.)
United Shoe Machinery Corporation. (See Conner, C. E., and Libbey, assignors.)
United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
United Shoe Machinery Corporation. (See Courser, Fred M., assignor.)
United Shoe Machinery Corporation. (See Cousins, Alfred H., assignor.)
United Shoe Machinery Corporation. (See Cox, P., and McPartland, assignors.)
United Shoe Machinery Corporation. (See Cross, G. P. S., assignor.)
United Shoe Machinery Corporation. (See Davenport, Herman A., assignor.)
United Shoe Machinery Corporation. (See Day, Fred A., assignor.)
United Shoe Machinery Corporation. (See Dingeldey, Louis G., assignor.)
United Shoe Machinery Corporation. (See Dodge, Henry A., assignor.)
United Shoe Machinery Corporation. (See Dow, Harry E., assignor.)
United Shoe Machinery Corporation. (See Droukas, Peter, K., assignor.)
United Shoe Machinery Corporation. (See Duplessis, Rene E., assignor.)
United Shoe Machinery Corporation. (See Eastman, Fred C., assignor.)
United Shoe Machinery Corporation. (See Elliott, Harold E., assignor.)
United Shoe Machinery Corporation. (See Emerson, Charles S., assignor.)
United Shoe Machinery Corporation. (See Enslin, Herbert R., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
United Shoe Machinery Corporation. (See Estey, Arthur C., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Foster, Arthur T., assignor.)
United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
United Shoe Machinery Corporation. (See Fromm, Willy, assignor.)
United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
United Shoe Machinery Corporation. (See Gimson, Kinsley S., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Goddu, George, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, and Ricks, assignors.)
United Shoe Machinery Corporation. (See Gouldbourn, J., Ricks, and Barclay, assignors.)
United Shoe Machinery Corporation. (See Glidden, Harvey L., assignor.)
United Shoe Machinery Corporation. (See Goyette, Henry F., assignor.)
United Shoe Machinery Corporation. (See Greenough, Henry B., assignor.)
United Shoe Machinery Corporation. (See Grimes, Thomas E., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Hamann, William, assignor.)
United Shoe Machinery Corporation. (See Harig, Nicolaus, assignor.)
United Shoe Machinery Corporation. (See Hart, George T., Jr., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Hazelton, G., and Clarke, assignors.)
United Shoe Machinery Corporation. (See Hazelton, G., and Ricks, assignors.)
United Shoe Machinery Corporation. (See Heys, George H., assignor.)
United Shoe Machinery Corporation. (See Hodgkins, Edward, F., assignor.)
United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
United Shoe Machinery Corporation. (See Hope, Ernest, assignor.)
United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
United Shoe Machinery Corporation. (See Hopkins, Nathan F., assignor.)
United Shoe Machinery Corporation. (See Johnson, William H., assignor.)
United Shoe Machinery Corporation. (See Jones, John L., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United Shoe Machinery Corporation. (See Keall, Frank B., assignor.)
United States Appliance Corporation. (See Keele, Ralph M., assignor.)
United Shoe Machinery Corporation. (See Keene, Guy L., assignor.)
United Shoe Machinery Corporation. (See Kinney, Fay D., assignor.)
United Shoe Machinery Corporation. (See Knight, Ralph F., assignor.)
United Shoe Machinery Corporation. (See Knowlton, Norwood E., assignor.)
United Shoe Machinery Corporation. (See La Chappelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See Lawson, Axel A., assignor.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Leslie, Bernard S., assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Libby, Edward P., assignor.)
United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
United Shoe Machinery Corporation. (See Lund, William J., assignor.)
United Shoe Machinery Corporation. (See Lyon, Harry, assignor.)
United Shoe Machinery Corporation. (See Macdonald, Lester S., assignor.)
United Shoe Machinery Corporation. (See Mackenzie, Wm. L., assignor.)
United Shoe Machinery Corporation. (See Mead, Brian, assignor.)
United Shoe Machinery Corporation. (See Mellerio, Lucien P., assignor.)
United Shoe Machinery Corporation. (See Mellerio, L. P., and Lund, assignors.)
United Shoe Machinery Corporation. (See Miner, George A., assignor.)
United Shoe Machinery Corporation. (See Minett, Winfrid T., assignor.)
United Shoe Machinery Corporation. (See Mooney, Fred L., assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Nown, William H., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United Shoe Machinery Corporation. (See Osborne, Harold A., assignor.)
United Shoe Machinery Corporation. (See Phelan, Merton D., assignor.)
United Shoe Machinery Corporation. (See Poole, Roscoe D., assignor.)
United Shoe Machinery Corporation. (See Pope, Elmer R., assignor.)
United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
United Shoe Machinery Corporation. (See Pym, A. F., and Scarlett, assignors.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Elliott, assignors.)
United Shoe Machinery Corporation. (See Ricks, F., and Minett, assignors.)
United Shoe Machinery Corporation. (See Ridderstrom, Andrew R., assignor.)
United Shoe Machinery Corporation. (See Rising, Harry A., assignor.
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United Shoe Machinery Corporation. (See Roberts, W. T. B., and Jackson, assignors.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)

United Shoe Machinery Corporation. (See Row, Edgar E., assignor.)
United Shoe Machinery Corporation. (See Russ, Harley W., assignor.)
United Shoe Machinery Corporation. (See Ryan, George P., assignor.)
United Shoe Machinery Corporation. (See Sawyer, H. L., and Cosgrove, assignors.)
United Shoe Machinery Corporation. (See Sawyer, Willard N., assignor.)
United Shoe Machinery Corporation. (See Schoenky, August R., assignor.)
United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
United Shoe Machinery Corporation. (See Sherman, O. L., and Bourgeois, assignors.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
United Shoe Machinery Corporation. (See Small, Nathaniel C., assignor.)
United Shoe Machinery Corporation. (See Smith, Archibald C., assignor.)
United Shoe Machinery Corporation. (See Smith, John K., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Shoe Machinery Corporation. (See Shaw, Wesley J., assignor.)
United Shoe Machinery Corporation. (See Stevens, Percy E., assignor.)
United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
United Shoe Machinery Corporation. (See Terry, Vincent G., assignor.)
United Shoe Machinery Corporation. (See Thomas, William D., assignor.)
United Shoe Machinery Corporation. (See Toothaker, Fred E., assignor.)
United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
United Shoe Machinery Corporation. (See Waterman, Bradford B., assignor.)
United Shoe Machinery Corporation. (See Whelton, John M., assignor.)
United Shoe Machinery Corporation. (See White, Melbourne W., assignor.)
United Shoe Machinery Corporation. (See Williamson, George E., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United Shoe Machinery Corporation. (See Woodcock, Reginald B., assignor.)
United Shoe Machinery Corporation. (See Woodcock, R. B., and Kestell, assignors.)
United Shoe Machinery Corporation. (See Woodcock, R. B., and Lane, assignors.)
U. S. Air Compressor Company, The. (See Bacher, Rollin L., assignor.)
United States Air Compressor Company, The. (See Bacher, Rollin L., assignor.)
United States Air Compressor Company, The. (See Bacher, R. L., and Bauman, assignors.)
United States Air Compressor Company, The. (See Pelouch, J. J., and Schultz, assignors.)
United States Air Compressor Company. (See Schultz, Paul J., assignor.)
United States Appliance Corporation. (See Keele, Ralph M., assignor.)
U. S. Bobbin & Shuttle Company 1929. (See Davol, Harry A., assignor.)
U. S. Bobbin & Shuttle Company 1929. (See Park, Carl P., assignor.)
U. S. Bobbin & Shuttle Company 1929. (See Snow, Isaac, assignor.)
United States Blower and Heater Corporation. (See Scott, Clifford E., assignor.)
U. S. Bottling Machinery Company. (See Risser, Arthur I., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
United States Cast Iron Pipe & Foundry Company. (See Clark, Stuart B., assignor.)
United States Chromium Corporation. (See Piersol, Robert J., assignor.)
U. S. Coal Machinery Company, The. (See Chubbuck, Burt A., assignor.)
United States Electrical Manufacturing Company. (See Johnson, Carl E., assignor.)
United States Electrical Manufacturing Company. (See Myers, Thomas G., assignor.)
United States Electrical Manufacturing Company. (See Pfleger, George T., assignor.)
United States Envelope Company. (See Heywood, V. E., and Hoagland, assignors.)
United States Envelope Company. (See Morin, Louis H., assignor.)
United States Envelope Company. (See Swallow, Francis P., assignor.)
United States Finishing Company. (See McKinley, John W., assignor.)
U. S. Finishing & Mfg. Co. (See Dixon, John W., assignor.)
United States Fire Protection Corporation. (See Willenborg, Carl J., jr., assignor.)
United States Gauge Company. (See Aschenbach, Emerson, assignor.)
United States Gauge Company, The. (See Corcoran, Lewis L., assignor.)
United States Glass Company. (See Kucera, Peter P., assignor.)
United States Gypsum Company. (See Absmeier, Carl, assignor.)
United States Gypsum Company. (See Armstrong, Morgan R., assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
United States Gypsum Company. (See Birdsey, Charles R., assignor.)
United States Gypsum Company. (See Chesney, Robert M., assignor.)
United States Gypsum Company. (See Ericson, Richard, assignor.)
United States Gypsum Company. (See Gaskins, Ernest, assignor.)
United States Gypsum Company. (See Gough, Fred J., assignor.)
United States Gypsum Company. (See Ingwersen, C. M., and Helget, assignors.)
United States Gypsum Company. (See Ives, Clifford E., assignor.)
United States Gypsum Co. (See King, George D., assignor.)
United States Gypsum Company. (See Linzell, H. K., and Schulz, assignors.)
United States Gypsum Company. (See McNeil, W. M., and Ballard, assignors.)
United States Gypsum Company. (See Offutt, James S., assignor.)
United States Gypsum Company. (See Reel, Herbert W., assignor.)
United States Gypsum Company. (See Roos, Carlisle K., assignor.)
United States Gypsum Company. (See Stephens, Fred J., assignor.)
United States Gypsum Company. (See Townley, William, assignor.)
United States Gypsum Company. (See Whiting, William A., assignor.)
United States Gypsum Company. (See Witter, Earl W., assignor.)
United States Hoffman Machinery Corporation. (See Card, John L., assignor.)
United States Hoffman Machinery Corporation. (See Clarke, Clarence M., assignor.)
United States Hoffman Machinery Corporation. (See Krupp, Anton, assignor.)
United States Hoffman Machinery Corporation. (See Meyer, Henry C. A., assignor.)
United States Hoffman Machinery Corporation. (See Power, Thomas J., assignor.)
United States Hoffman Machinery Corporation. (See Strobridge, William, assignor.)
United States Hoffman Machinery Corporation. (See Sutton, Harry G., assignor.)
United States Hoffman Machinery Corporation. (See Zeidler, William A., assignor.)
U. S. Industrial Alcohol Co. (See Burghart, Lloyd M., assignor.)
U. S. Industrial Alcohol Co. (See Herstein, Bernard, assignor.)
U. S. Industrial Alcohol Co. (See Ricard, E., and Guinot, assignors.)
U. S. Industrial Alcohol Co. (See Ricard E., Savarit, and Guinot, assignors.)
U. S. Industrial Alcohol Co. (See Stevens, Arthur, assignor.)
U. S. Manufacturing Corporation. (See Bennett, John L., assignor.)
U. S. Manufacturing Corporation. (See Krag, F. K., and Nelson, assignors.)
United States Metallic Packing Company, The. (See Light, R. A., and Price, assignors.)
United States Metals Refining Company. (See Eppenstetner, William F., and W. F., assignors.)
United States National Bank of Portland, Oreg., The, as trustee. (See Millington, Arthur E., assignor.)
U. S. Oil and Service Corporation. (See Bowes, Laurence C., assignor.)
U. S. Oil and Service Corporation. (See Wanamaker, Ernest, assignor.)
United States Ordnance Company. (See Smith, George L., assignor.)
U. S. Phosphoric Products Corporation. (See Moore, George F., assignor.)
United States Pipe & Foundry Company. (See Clark, Stuart B., assignor.)
United States Pipe and Foundry Company. (See Daniel, R. E., Haughton, and Clark, assignors.)
United States Pipe & Foundry Company. (See Langenberg, Frederick C., assignor.)
United States Pipe & Foundry Company. (See Stokes, David B., assignor.)
United States Playing Card Company, The. (See Broadston, Andrew E., assignor.)

U. S. Postal Meter Corporation. (See Mack, Luther L., assignor.)
United States Printing and Lithograph Company, The. (See Koeble, Albert, assignor.)
United States Printing & Lithograph Company, The. (See Nelson, Arvid R., assignor.)
United States Process Corporation. (See Heuser, Herman, assignor.)
United States Quarry Tile Company. (See Solon, Léon V., assignor.)
United States Radium Corporation. (See Schlundt, Herman, assignor.)
U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)
U. S. Sanitary Specialties Corporation. (See Koppelman, Harold I., assignor.)
U. S. Sanitary Specialties Corporation. (See Koppelman, H. I., and Seidel, assignors.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
U. S. Slicing Machine Company. (See Rienks, William, assignor.)
U. S. Slicing Machine Company. (See Sensow, Anton C., assignor.)
U. S. Slicing Machine Company. (See Stiles, Edward M., assignor.)
U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
U. S. Slicing Machine Company. (See Thomas, Henry, assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Cornelius F. M., assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Wilhelmus A., assignor.)
U. S. Slicing Machine Company. (See van Duyn, Adrianus, assignor.)
U. S. Slicing Machine Company. (See Van Hoorn, Jetze, assignor.)
U. S. Slicing Machine Company. (See Van Weenen, Franciscus L., assignor.)
U. S. Slicing Machine Company. (See Woodington, John N., assignor.)
United States Specialty Corporation. (See Lundquist, Hans, assignor.)
United States Tent & Awning Company. (See Leffert, C. B. and Dietz, assignors.)
U. S. Textile Machine Company. (See Thomas, Pacific J., assignor.)
United Tool & Die Company, The. (See Carney, James J., assignor.)
U. S. Tool and Manufacturing Co. (See Fleischman, Samuel, assignor.)
United States Union Corporation. (See Smith, S. N., and Bemles, assignors.)
United States Vanadium Corporation. (See Deitz, Louis S., jr., assignor.)
United Steel & Wire Company. (See Jarvis, Charles H., assignor.)
United Velvet Cutters Association, Limited, The. (See Carmichael, Edford, assignor.)
United Verde Copper Company. (See Kuzell, Charles R., assignor.)
United Verde Copper Company. (See Ralston, Oliver C., assignor.)
United Verde Copper Company. (See Ralston, O. C., and Kuzell, assignors.)
United Wood Heel Company. (See Quirk, Justin P., assignor.)
Universal Alloys, Incorporated, et al. (See Grenagle, James B., assignor.)
Universal Battery Company. (See Watkins, Ray O., assignor.)
Universal Button Fastening & Button Co., The. (See Clark, A., assignor.)
Universal Button Fastening & Button Company. (See Ford, Ira D., assignor.)
Universal Clock Corporation. (See Zago, Emilio, assignor.)
Universal Dental Company. (See Charen, Myer, assignor.)
Universal Draft Gear Attachment Company. (See Barthelemy, Paul P., assignor.)
Universal Draft Gear Attachment Company. (See Cameron, Mortimer B., assignor.)
Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
Universal Draft Gear Attachment Co. (See Hall, Joseph M., assignor.)
Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
Universal Draft Gear Attachment Company. (See Nash, C. J., and Canfield, assignors.)
Universal Draft Gear Attachment Co. (See Wilson, Jack, assignor.)
Universal Draft Gear Attachment Co. (See Wrigley, Henry L., assignor.)
Universal Engineering Company. (See Zublin, John A., assignor.)
Universal Form Clamp Co. (See Bauman, William T., assignor.)
Universal Form Clamp Co. (See Emigholz, Lawrence F., assignor.)
Universal Form Clamp Co. (See Lampert, Lydia, assignor.)
Universal Gear Shift Corporation. (See Barnes, William R., assignor.)
Universal Gypsum & Lime Co. (See Jeffrey, D. C., and Marsham, assignors.)
Universal Gypsum & Lime Co. (See Nelson, William K., assignor.)
Universal Hydraulic Corporation. (See Kinzie, P. A., and Savage, assignors.)
Universal Hydraulic Corporation. (See McClellan, L. N., Kinzie, Savage, and Day, assignors.)
Universal Lamp Company. (See Sherman, Jacob S., assignor.)
Universal Machine Company, The. (See Gebert, H. L., and Place, assignors.)
Universal Match Corporation, The. (See Bogoslowsky, Boris, assignor.)
Universal Match Corporation, The. (See Neklutin, Constantine N., assignor.)
Universal Oil Products Company. (See Benner, H. P., and Morrell, assignors.)
Universal Oil Products Company. (See Cook, Ralph C., assignor.)
Universal Oil Products Company, The. (See David, Aubrey D., assignor.)
Universal Oil Products Company. (See Delattre-Seguy, Jean, assignor.)
Universal Oil Products Company. (See de Rachat, Nicholas G., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Dubbs, C. P., and Alther, assignors.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Universal Oil Products Company, The. (See Egloff, G., and Howard, assignors.)
Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)
Universal Oil Products Company. (See Faragher, Warren F., assignor.)
Universal Oil Products Company. (See Fisher, Teddy B., assignor.)
Universal Oil Products Company. (See Gary, Lee J., assignor.)
Universal Oil Products Company. (See Halle, Hiram J., assignor.)
Universal Oil Products Company. (See Heid, Jacob B., assignor.)
Universal Oil Products Company. (See Howard, William R., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)
Universal Oil Products Company. (See Lowry, C. D., jr., and Dryer, assignors.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Alther, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Essex, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Fairchild, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and J Huff, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Mekler, assignors.)
Universal Oil Products Company. (See Nelson, Edwin F., assignor.)
Universal Oil Products Company. (See Oberle, Alfred, assignor.)
Universal Oil Products Company. (See Olsen, Neal S., assignor.)
Universal Oil Products Company. (See Pollock, Robert T., assignor.)
Universal Oil Products Company. (See Pyzel, Daniel, assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Universal Oil Products Company. (See Sims, W. F., and Morrell, assignors.)
Universal Oil Products Company. (See Smith, Marvin, assignor.)
Universal Oil Products Company. (See Tears, Claude F., assignor.)
Universal Oil Products Company. (See Weber, Harold C., assignor.)
Universal Oil Seal Company. (See Nelson, Victor E., assignor.)
Universal Optical Corporation. (See Beattey, Earle J. R., assignor.)
Universal Optical Corporation. (See Nelson, John N., assignor.)
Universal Optical Corporation. (See Searles, Wayne S., assignor.)
Universal Optical Corporation. (See Sweeney, James A., assignor.)

Universal Patents Holding Co. (See Peters, Henry, assignor.)
Universal Patents Holding Co. (See Veitel, Fritz, assignor.)
Universal Pictures Corporation. (See Hunter, C. R., and Pierce, assignors.)
Universal Pipe and Radiator Company, The. (See Stanford, George I., assignor.)
Universal Piston Company. (See Reiland, Ernest S., and F. M., assignors.)
Universal Power Tool Company. (See Taylor, John E. S., assignor.)
Universal Products Co., The. (See Goddard, Paul B., assignor.)
Universal Products Co., The. (See Warner, Archibald A., assignor.)
Universal Products Machine Company. (See Brachtl, Henry, assignor.)
Universal Rotary Motors Co. (See Beals, A. F., and Pudge, assignors.)
Universal Rubber Paviors Limited. (See Brown, Arthur E., assignor.)
Universal Stamping & Mfg. Co. (See Sapier, Abraham, assignor.)
Universal Stamping & Mfg. Co. (See Shapiro, Abraham, assignor.)
Universal Steel Company. (See German, Howard M., assignor.)
Universal Switch & Signal Company, The. (See Allison, Leslie R., assignor.)
Universal Winding Company. (See Anderson, Johan A., assignor.)
Universal Winding Company. (See Armitage, Harold, assignor.)
Universal Winding Company. (See Burton, Hugh F., assignor.)
Universal Winding Company. (See Jones, Charles H., assignor.)
Universal Winding Company. (See Parks, Edward F., assignor.)
Universal Winding Company. (See Swanson, Ernest R., assignor.)
Universal Winding Company. (See Taylor, George N., assignor.)
Universal Window Company. (See Wiley, Esmond F., assignor.)
University, Walter H., Kokomo, Ind. Pin. Des. 88,369; Nov. 22.
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Hohn, Max P. E., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Hohn, M. P. E., and Voigt, assignors.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Jähne, Ernst H., assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co. (See Muller, Carl W., assignor.)
Universelle Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Neff, Johannes, assignor.)
Universelle Cigarettenmaschinen Fabrick J. C. Müller & Co. (See Röber, Constantin F., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Schmiedel, Alfred J., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Schmiedel, Johannes, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Stelzer, Franz H. B., assignor.)
"Universelle" Cigarettenmaschinen-fabrik, J. C. Müller & Co. (See Voigt, Robert W., assignor.)
Universelle Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Werner, Albert, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., the Firm. (See Neff, Johannes, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., the Firm. (See Schmiedel, Johannes, assignor.)
University Engineering Company. (See Southern, Robert L., assignor.)
University of Illinois, Board of Trustees of the. (See Brown, Hugh A., assignor.)
University of Illinois, Board of Trustees. (See Buswell, A. M., and Boruff, assignors.)
Univis Corporation, The, et al. (See Silverman, Jack R., assignor.)
Univis Corporation, The, et al. (See Stanley, Nathan M., assignor.)
Unk, Jacob M. (See Bol, C., Posthumus, Unk, and Morel.)
Unk, Jacob M. (See Oosterhuis, E., and Unk.)
Unke, Herman A., Cleveland, Ohio. Protector. 1,853,944; Apr. 12.
Unke, Herman A., Cleveland, Ohio. Thread protector. 1,853,945; Apr. 12.
Unke, Herman A., Cleveland, Ohio. Thread protector. 1,853,946; Apr. 12.
Unsinger, Philip H., Maplewood, N. J. Package for safety razor blades. 1,883,159; Oct. 18.
Unterberger, Louis, Wilkes-Barre, Pa. Combination humidor and advertising device. 1,877,436; Sept. 13.
Unthank, George R. (See Green, E. W., and Unthank.)
Unthank, George R. (See Green, E. W., Unthank, and Dunn.)
Untiedt, Frederick H., Chevy Chase, Md. Rubberized fabric and producing the same. 1,845,688; Feb. 16.
Untiedt, Frederick H., Chevy Chase, Md. Gypsum-rubber composition. 1,880,601; Oct. 4.
Unwin, Kenneth J., Schenectady, N. Y., assignor to General Electric Company. Truck. 1,854,966; Apr. 19.
Upham, Burt F., Boston, Mass., assignor to Miller Printing Machinery Company, Pittsburgh, Pa. Sheet separating device. 1,867,038; July 12.
Upham, Burt F., Brookline, Mass., assignor to Miller Printing Machinery Company, Pittsburgh, Pa. Delivery stripper finger. 1,884,397; Oct. 25.
Upham, Franklin S., Des Moines, Iowa. Display cabinet. 1,882,945; Oct. 11.
Uphoff, Leo P. (See Beatty, J., Uphoff, and Sims.)
Uphues, John J. (See MacLean, E. H. and Uphues.)
Upland, Theodore B., Burlingame, assignor to Gantner & Mattern Company, San Francisco, Calif. Swimming and sun bathing trunk. 1,886,255; Nov. 1.
Upp, Charles B., Williamsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carbonized nonemissive electrode. 1,852,865; Apr. 5.
Upper, Eugene L., assignor of one-tenth to G. Olson, Seattle, Wash. Baby bouncer. 1,847,992; Mar. 1.
Uppercu-Burnelli Corporation. (See Burnelli, Vincent J., assignor.)
Upright, Ralph E., and J. H. Gillmor, San Fernando, Calif. Orchard heater. 1,848,588; Mar. 8.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Manufacture of sheets or slabs. 1,854,872; Apr. 19.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Plaster surfaced building board. 1,856,603; May 3.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Insulating material for building and similar purposes. 1,874,659; Aug. 30.
Upson Company, The. (See Harney, Francis W., assignor.)
Upson Company, The. (See Spencer, Hugh M., assignor.)
Upson Company, The. (See Upson, Charles A., assignor.)
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method of and apparatus for forming caissons. 1,839,358; Jan. 5.
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Revetment mat. 1,847,852; Mar. 1.
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for forming piles. 1,856,604; May 3.
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Composite pile. 1,860,792; May 31.
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for placing concrete in piles. 1,865,652; July 5.
Upson, Maxwell M., Englewood, N. J., and H. R. Smith, Douglaston, assignors to Raymond Concrete Pile Company, New York, N. Y. Reenforced pile shells. 1,839,359; Jan. 5.
Upson, Maxwell M., Englewood, N. J., and E. D. Watt, La Grange, Ill., assignors to Raymond Concrete Pile Company, New York, N. Y. Construction and method for driving pile shells. 1,865,653; July 5.
Upson, Ralph H., Red Band, N. J. Airplane. 1,848,809; Mar. 8.
Upson, Ralph H., Ann Arbor, Mich. Airplane brake and rudder control. 1,864,962; June 28.
Upton, Albert, Perrysburg, N. Y., assignor to Van Raalte Company, New York, N. Y. Lace. Des. 86,943; May 10.
Upton, Albert L., St. Louis, Mo. Control system for theater lighting circuits. 1,878,304; Sept. 20.
Upton, Francis H., Detroit, Mich. Disconnection switch for high tension electric lines. 1,843,052; Jan. 26.
Upton, Henry J., Medford, Mass., assignor, by mesne assignments, to The Chilton Roller Company, Inc., Long Island City, N. Y. Frictional packing. 1,883,160; Oct. 18.
Upton, Roy M., Miami, Fla. Reverse gear and clutch operating mechanism. 1,889,909; Dec. 6.
Urbach, Alfred, Los Angeles, Calif. Safety fender. 1,859,186; May 17.
Urbain, Edouard, Paris, France. Preparation of chlorids of phosphorus. 1,859,543; May 24.
Urbain, Edouard, assignor, by mesne assignments, to Compagnie des Produits Chimiques et Charbons Actifs Ed. Urbain, Paris, France. Producing phosphoric acid. 1,849,124; Mar. 15.
Urbain, Edouard, assignor, by mesne assignments, to Compagnie des Produits Chimiques et Charbons, Actifs Ed. Urbain, Paris, France. Treatment of gases and the like. 1,849,648; Mar. 15.
Urbain, Oliver M. (See Travers, J. T., Lewis, and Urbain.)
Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Releasing nascent hydrogen. 1,889,714; Nov. 29.
Urban, Adolph. (See Gnirs, W., and Urban.)
Urban, Rudolf, Podbrezova, Czechoslovakia. Apparatus for rolling seamless pipes. 1,865,344; June 28.
Urban, Thomas J., West Pittston, Pa. Airplane and mounting therefor. 1,866,432; July 5.
Urbana Coke Corporation. (See Hobart, Floyd B., assignor.)
Urbana Coke Corporation. (See Parr, S. W., and Layng, assignors.)
Urbany, Urban, San Diego, Calif. Tamale mold and container. 1,876,182; Sept. 6.

Urbinati, Mario, Rome, Italy. Starting device for mercury arc rectifiers. 1,855,495; Nov. 1.
Urch, Marion W., Council Bluffs, Iowa. Portable mixing machine. 1,891,122; Dec. 13.
Urech, Ernest. (See Miescher, K., and Urech.)
Ureles, Nathan L., New York, N. Y. Lighting fixture. 1,849,966; Mar. 15.
Uren, Lester C. (See Ranney, L., and Uren.)
Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Compass. 1,873,684; Aug. 23.
Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Fuse. 1,891,291; Dec. 20.
Urfer, Clarence E., Tower Hill, Ill. Riddle. 1,847,503; Mar. 1.
Urich, Benjamin, Milwaukee, Wis. Easel and support therefor. 1,848,834; Mar. 8.
Urling, Walter C., Baden, Pa. Adjustable audience seat. 1,849,052; Mar. 8.
Urling, Walter C., Baden, Pa. Adjustable audience seat. 1,881,983; Oct. 11.
Urmston, James. (See Brazier, L. G., and Urmston.)
Urnikoff, Stephen, Harper, Ill. Apparatus for cleaning pipes. 1,866,870; July 12.
Urquhart, Ernest C., Oakland, Calif. Armrest attachment for vehicle seats. 1,890,102; Dec. 6.
Urquhart, Kenneth M., Norfolk, Va. Reactive combustion engine. 1,888,749; Nov. 22.
Urquhart, Radcliffe M., New York, N. Y. Fire fighting system. 1,844,373; Feb. 9.
Urschel, Bertis H., Bowling Green, assignor to Urschel Engineering Company, Toledo, Ohio. Heat treating axles. 1,857,695; May 10.
Urschel, Bertis H., Bowling Green, assignor to Urschel Engineering Company, Toledo, Ohio. Link. 1,872,099; Aug. 16.
Urschel, Bertis H., Bowling Green, assignor to Urschel Engineering Company, Toledo, Ohio. Tubular axle. 1,872,196; Aug. 16.
Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
Urschel, William E., Valparaiso, Ind. Power driven cultivator. 1,843,095; Jan. 26.
Urschel, William E., Valparaiso, Ind. Bean grader. 1,853,475; Apr. 12.
Urschel, William E., Valparaiso, Ind. Harvesting instrumentality. 1,869,529; Aug. 2.
Urschel, William E., Valparaiso, Ind. Bean picker. 1,870,681; Aug. 9.
Urschel, William E., Valparaiso, Ind. Grading machine. 1,874,391; Aug. 30.
Urschel, William E., Valparaiso, Ind. Beet harvester. 1,874,837; Aug. 30.
Urso, Frank, Buffalo, N. Y. Electric time switch. 1,850,060; Mar. 15.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulating arrangement for transmitter tubes. 1,868,033; July 19.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulating arrangement for transmitter tubes. 1,868,034; July 19.
Usener, John F., Jr. (See Usener, J. F., sr., and J. F., jr.)
Usener, John F., sr., and J. F., jr., Usener, jr., Houston, Tex. Control circuit. 1,885,569; Nov. 1.
Ushiki, Jusuke. (See Suziyama, T., Ushiki, and Okabe.)
Usines Renaies Scheerders-Van Kerchove, Societe Anonyme. (See Scheerders-Van Kerchove, Léon, assignor.)
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Power stage arrangement. 1,876,106; Sept. 6.
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Carrier suppression modulator. 1,876,107; Sept. 6.
Usun, Serge, Sao Paulo, Brazil. Film controlling mechanism. 1,869,527; Aug. 2.
Utah Radio Products Co. (See Barrett, Edward L., assignor.)
Utah Royalty Corporation. (See Rider, Rowland W., assignor.)
Utah State Agricultural College. (See Hill, Reuben L., assignor.)
Utica Hydraulic Cement Co. (See Seaton, Sidney G., assignor.)
Utica Products, Inc. (See Hauser, George D., assignor.)
Utilatree Products Inc. (See Zifferer, Lothar R., assignor.)
Utility Manufacturing Co. (See Jennejohn, John, assignor.)
Utility Manufacturing Co. (See Jennejohn, John C., assignor.)
Utility Manufacturing and Sales Company, The. (See Rubin, Frederick W., assignor.)
Utility Products Company. (See Howard, William S., assignor.)
Utility Products Company. (See Jelliffe, H. W., and Abbott, assignors.)
Utley, Clarence V., Columbus, Ohio. Cord control for vacuum cleaners. 1,892,640; Dec. 27.
Utley, Thomas, Truebrook, Liverpool, England. Ship's light. 1,858,946; May 17.
Utne, Per, Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive device. 1,878,305; Sept. 20.
Utrecht, William, Tampa, Fla. Bookstand. 1,880,602; Oct. 4.
Utrevis, Lula, Newark, Ohio. Light attachment for irons. 1,891,123; Dec. 13.
Utz, Anthony, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Automatic ribbon reverse. 1,848,508; Mar. 8.
Uxley, Warren S., assignor to Edward G. Budd Manufacturing Company, Pittsburgh, Pa. Punching fixture. 1,834,398; Oct. 25.
Uyttenbroek, Hubert, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Photoelectric printing apparatus. 1,871,484; Aug. 16.
V. D. Limited. (See Vigneron, Jean B. J. A., assignor.)
V. D. Limited. (See Vigueron, J. B. J. A., assignor, and Ficheux.)
Vaccaro, Steven L., jr., New Orleans, La. Game apparatus. 1,870,536; Aug. 9.
Vacher, Fernand, Paris, France, assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Synthetic resin and making same. 1,873,799; Aug. 23.
Vacher, John, assignor to The American Mills Company, Waterbury, Conn. Covering device for elastic strands, wire, and the like. 1,879,963; Sept. 27.
Vacquier, Gaston H., Armentieres, and V. L. Entraygue, Maloles-Bains, France. Hydroelectric plant. 1,882,532; Oct. 11.
Vacuum Dyeing Machine Corporation. (See Peglar, Don C., assignor.)
Vacuum Oil Company. (See Moran, Robert C., assignor.)
Vacuum Oil Company. (See Story, Bertrand W., assignor.)
Vacuum Oil Company, Inc. (See Pritchard, Arthur H., assignor.)
Vacuum Seal Company. (See Staunton, Gray, assignor.)
Vacuum Seal Company. (See Willcutt, W. B., and Fleicher, assignors.)
Vadaszlotteny-Gyntacs-Es Femarugyar, R. T. (See Szekeres, Richard, assignor.)
Vadersen Herbert. (See Carlton, R. C., Tinue, and Vadersen.)
Vadersen, Herbert, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,864,963; June 28.
Vadsco Sales Corporation. (See Green, William H., assignor.)
Vaglio, James, Passaic, N. J. Cage for saving fats. 1,880,603; Oct. 4.
Vail, George. (See Clark, P., and Vail.)
Vail, George L., Denver, Colo. Portable ice car. Des. 85,964; Jan. 5.
Vail, George L., Denver, Colo. Ice loading machine. 1,856,399; Oct. 25.
Vaile, Pembroke A., assignor of one-half to S. Clark, Chicago, Ill. Sail, parachute, airplane wings, and the like. 1,859,964; June 28.
Vaile, Pembroke A., assignor of one-half to Sheldon Clark, Chicago, Ill. Submarine. 1,884,400; Oct. 25.
Valas, Alexander B., Medford, Mass. Dispensing cabinet for cigars, etc. 1,882,168; Oct. 11.
Valbuena, Luis M., New York, N. Y. Dental plate. 1,887,970; Nov. 15.
Valdes, Gilberto R., New York, N. Y. Oiler for engines. 1,856,673; May 3.
Valensi, Georges, Paris, France. Ionic relay system. 1,865,064; June 28.
Valenta, Emanual, assignor to Firm Limited Company, formerly Skoda Works, Pilsen, Czechoslovakia. Acid-proof alloys. 1,890,595; Dec. 13.
Valente, Alfred, and A. Fiss Linn, Chicago, Ill. Trouser cuff protector. 1,854,532; Apr. 19.
Valentine, Charles W., and A. F. Helin, assignors to The Bagley and Sewall Company, Watertown, N. Y. Paper winding mechanism. 1,844,081; Feb. 9.
Valentine, Charles W., and A. F. Helin, assignors to The Bagley and Sewall Company, Watertown, N. Y. Delivery mechanism for paper rolls in paper making machines. 1,851,605; Mar. 29.
Valentine, Frank A. (See Scott, D. C., and Valentine.)
Valentine, Kenneth S., Hollis, N. Y., assignor to The Turbo-Mixer Corporation, New York, N. Y. Gas scrubbing apparatus. 1,856,120; May 3.
Valentine, Lewis S., Reading, Mich. Chair seat. ,886,434; Nov. 3.
Valentine, Percy W., Natick, Mass. Stitchdown shoemaking machine. 1,866,182; July 5.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Air primer for burners. 1,849,125; Mar. 15.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Automatic draft control. 1,864,223; June 21.
Valladares, Frank, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Circulator for crossdrum boilers. 1,883,161; Oct. 18.
Valladoa, Frank B., New Bedford, Mass. Window screen fixture. 1,871,928; Aug. 16.
Valle, Albert J., Los Angeles, Calif. Composition for treating trees and other vegetation. 1,879,777; Sept. 27.

Vallé, Paul B., assignor to The Connecticut Hard Rubber Company, New Haven, Conn. Serving tray or similar article. Des. 87,986; Oct. 18.

Vallecchi, Enrico, Florence, Italy. Device for the mechanical obtainment of a changeable paper or similar covering for the seats of water closet basins. 1,858,794; May 17.

Vallée, Armand J., Albany, N. Y., assignor to General Railway Signal Company. Highway crossing signal system. 1,882,265; Oct. 11.

Vallen, Earl J., Akron, Ohio. Stage or screen modifier. 1,857,900; May 10.

Vallen, Earl J., Akron, Ohio. Remote control mechanism. 1,884,401; Oct. 25.

Vallendor, Max. L., assignor of one-fourth to H. Schwab, one-fourth to C. P. Skinner, and one-fourth to F. Jones, Ventura, Calif. Safety releasing joint for drill tubes. 1,849,339; Mar. 15.

Vallendor, Max. L., and P. C. Fly, Ventura, Calif. Well sealing head. 1,869,345; July 26.

Vallet, Arsene. (See Garnier, Abel J. M., assignor.)

Valletta, Vittorio, assignor to Fiat Società Anonima, Turin, Italy. Variable speed gearing, particularly for motor vehicles. 1,850,041; Mar. 15.

Valletta, Vittorio, assignor to Fiat Società Anonima, Turin, Italy. Variable speed gearing, particularly for motor vehicles. 1,852,636; Jan. 26.

Valletta, Vittorio, assignor to Fiat Società Anonima, Turin, Italy. Variable speed gearing, particularly for motor vehicles. 1,861,282; Apr. 12.

Valley Iron Works Company. (See Graef, John M., assignor.)

Valley Iron Works Company. (See Peterson, Emil A., assignor.)

Valley Iron Works Company. (See Peterson, E. A., and McGinnis, assignors.)

Valley Iron Works Company. (See Xistris, Theodore E., assignor.)

Valley, John L. (See Parsons, Lillian B., assignor.)

Valley Mould and Iron Corporation. (See Kauffman, Edmund J., assignor.)

Valley Mould and Iron Corporation. (See Ramage, William H., assignor.)

Vallez, Henry A., assignor to Vallez Rotary Filters, Bay City, Mich. Filter. 1,848,445; Mar. 8.

Vallez Rotary Filters. (See Vallez, Henry A., assignor.)

Vallone, Charles, Buffalo, N. Y. End frame for swings or similar article. Des. 87,859; Sept. 27.

Vallone, Joseph M., Buffalo, N. Y. End frame for swings or similar article. Des. 87,858; Sept. 27.

Valpey, Henry H., Dearborn, assignor to Long Manufacturing Company, Detroit, Mich. Clutch control. 1,889,186; Nov. 29.

Valstar, Dirk, Rotterdam, Netherlands. Device for trimming coal and like material in ships. 1,868,035; July 19.

Valtier, Ralph P., New York, N. Y., assignor to Harold W. Shonnard, Montclair, N. J. Escalator. 1,868,780; July 26.

Vamp-Easer Company. (See Rost, August A., assignor.)

Van Acker Frank, Tulsa, Okla., assignor to Petroleum Engineering, Inc. Improvement in fractionators. 1,876,800; Sept. 13.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Charging mechanism for coke ovens. 1,846,071; Feb. 23.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Vertical coking retort oven. 1,846,410; Feb. 23.

Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Vertical retort structure. 1,847,199; Mar. 1.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Method of and apparatus for intermittent vertical coking retort oven. 1,872,531; Aug. 16.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Coking retort oven and operating the same. 1,873,074; Aug. 23.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Vertical coking retort oven. 1,873,075; Aug. 23.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Self-sealing door for coke ovens. 1,873,076; Aug. 23.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 1,872,532; Aug. 16.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 1,872,612; Aug. 16.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 1,873,077; Aug. 23.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coke oven apparatus. 1,873,078; Aug. 23.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 1,876,168; Sept. 6.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Gas producer. 1,876,801; Sept. 13.

Vanadium Alloys Steel Company. (See McKenna, Philip M., assignor.)

Vanadium Corporation of America. (See Saklatwalla, Byramji D., assignor.)

Vanak Corporation. (See Knee, Aaron A., assignor.)

Van Akkeren, Antonius J. J., The Hague, Netherlands. Tone tubes with acoustic actions for sound-recording and sound-reproducing apparatus. 1,866,239; July 5.

Van Allen, Clark. E. E., assignor to C. F. Anderson, as trustee, Fort Payne, Ala. Safety device. Re18,315; Jan. 5.

Van Allen, George L., Newark, N. J., assignor to Baker & Co. Inc. Process and apparatus for forming metal plates for dentures. 1,840,991; Jan. 12.

Van Alphen, Johannes C., P. ter Haak and T. Lechelt, Amsterdam, Netherlands. Scaling device. 1,856,299; May 3.

Van Alstyne, Harold L. (See Hicks, H. A., and Van Alstyne, Harold L.)

Van Antwerp, Harold O. (See Albert, Walter P., assignor.)

Van Arkel, Anton E., and J. H. de Boer and W. Koopman, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Precipitating metals on an incandescent body. 1,891,124; Dec. 13.

Van Arnam, Howard L., Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company. Covering for articles of wood and similar materials. 1,860,000; May 24.

Van Arnam Manufacturing Company. (See Van Arnam, Howard L., assignor.)

Van Arsdale, Henry W., Rochelle, N. Y. Closure for containers and receptacles. 1,891,031; Dec. 13.

Van Arsdall, Charles R., Pacific Palisades, Calif. Lawn mower reel. 1,860,002; May 24.

Van Arsdel, Wallace B. (See Richter, G. A., and Van Arsdel.)

Van Arsdel, Wallace B., assignor to Brown Company, Berlin, N. H. Artificial leather fabrication. 1,843,349; Feb. 2.

Vanasse, Archie L., Waterbury, Conn. Fire escape. 1,883,849; Oct. 18.

Vanatta, Willis N., Ontario, Calif. Permanent wave baker. 1,853,587; Apr. 12.

Van Auken, Clarence E., deceased, Chicago, Ill., by J. Furmort, administrator, assignor to C. F. Van Auken. System for indicating liquid levels. 1,870,936; Aug. 9.

Van Auken, Cora F. (See Van Auken, Clarence E., assignor.)

Van Auken, Ira E., Twin Falls, Idaho. Oil burner. 1,843,317; Mar. 1.

Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feed mechanism for slicing machines. 1,849,340; Mar. 15.

Van Berkel, Cornelius F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Guide bar for slicing machines. 1,866,240; July 5.

Van Berkel, Cornelis F. M., Wassenaar, The Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for slicing machines. 1,878,066; Sept. 20.

Van Berkel, Cornelis F. M., Wassenaar, The Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Driving mechanism for slicing machines. 1,878,067; Sept. 20.

Van Berkel, Cornelis F. M., Wassenaar, The Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice stacker for slicing machines. 1,878,068; Sept. 20.

Van Berkel, Cornelis F. M., Wassenaar, The Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,878,070; Sept. 20.

Van Berkel, Johannes C., Copenhagen, Denmark, assignor, by mesne assignments, to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen, Rotterdam, Holland, Rotterdam, Netherlands. Feed mechanism for slicing machines. 1,841,996; Jan. 19.

Van Berkel, Johannes C., Copenhagen, Denmark, assignor, by mesne assignments, to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen, Rotterdam, Holland, Rotterdam, Netherlands. Slice detectors. 1,878,071; Sept. 20.

Van Berkel, W. A. Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for slicing machines. 1,884,924; Oct. 25.

Van Berkel, Wilmelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Transmission gearing. 1,878,068; Sept. 20.

Van Bezel, Frank A., assignor to Dart Aircraft Motors Inc., Ltd., Ei Centro, Calif. Thrust bearing. 1,849,892; Mar. 15.

Van Bezel, Frank A., assignor to Dual Aircraft Motors Inc., Ltd., El Centro, Calif. Manifold. 1,853,100; Apr. 12.

Van Billiard, Maynard. (See Keller, H. C., and Van Billiard.)

Van Bogdandy, Stephan and L. Wamoscher, Berlin, Germany. Metal vapor lamp. 1,875,983; Sept. 6.

Van Bourgondien, C. J. (See Dalrymple, Gerald H., assignor.)

Van Brimgle, Vincent O., Bridgeville, Pa. Carburetor. 1,877,090; Sept. 13.

Van Brunt, John, Flushing, N. Y., assignor to International Combustion Engineering Corporation. Furnace wall construction. 1,890,170; Dec. 6.

Van Brunt Manufacturing Company, The. (See Erdman, Theodore J., assignor.)

Van Buren, Alfred D., New York, N. Y. Dispenser. 1,891,292; Dec. 20.

Van Buren, Clyde V., Chicago, Ill. Loose leaf holder. 1,869,032; July 26.

Van Buren, Peter, Vanderbilt, Mich. Window screen and shutter set. 1,841,226; Jan. 12.

Van Buren, John, Brooklyn, N. Y. Container. 1,863,259; June 14.

Van Buren, John, Brooklyn, N. Y. Container. 1,863,260; June 14.

Van Buren, John, Brooklyn, N. Y. Container. 1,863,261; June 14.

Van Buskirk, Robert N., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,872,197; Aug. 16.

Vance, C. Heber, Ontario, Calif. Airplane stabilizer. 1,840,683; Jan. 12.

Vance, Charles V., Winston-Salem, N. C. Woodworking machine. 1,871,637; Aug. 16.

Vance, Cornelius A. (See Lucas, Harley, assignor.)

Vance, Donald H., Schenectady, N. Y., assignor to General Electric Company. High frequency transmitter. 1,840,140; Jan. 5.

Vance, Edward D., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Making abrasive articles. 1,868,931; July 26.

Vance, George E., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Apparatus for applying bushings. 1,862,813; June 14.

Vance, Jacob W., Ligonier, Ind., assignor to Hussman-Ligonier Company, St. Louis, Mo. Baffle and drip pan for refrigerators. 1,855,432; Apr. 26.

Vance, John S., Chicago, Ill. Drapery supporting device. 1,862,836; June 14.

Vance, Joseph A., and D. M. Hammett, Tulsa, Okla. Sucker rod wrench device. 1,861,728; June 7.

Vance, Thomas F., Jr. (See Morrison, Cornelius F., assignor.)

Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Rack. 1,858,064; May 10.

Vance, Walter N., Chicago Heights, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Leg construction. 1,858,381; May 17.

Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Display counter. 1,878,072; Sept. 20.

Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Shelf rack construction. 1,886,318; Nov. 1.

Van Cleave, Charles N. (See Morgan, Donald C., assignor.)

Van Coil Company, The. (See Field, Lloyd M., assignor.)

Van Coppenolle, Gaston, Rochecorbon, France. Spinning machine, twisting frame, reeling on apparatus and like machine for winding threads and the like. 1,868,154; July 19.

Van Cura, Joseph J., East Islip, N. Y. Collar stiffener. 1,874,145; Aug. 30.

Van Daam, Gerrit, Buffalo, N. Y. Means for cleaning moistening and heating air. 1,846,233; Feb. 23.

Van Daam, Gerrit. (See Stranszky, Emil, assignor.)

Van Dam, Dirk H. (See Van Dam, Hendrick, and D. H.)

Van Dam, Hendrick, Capelle-on-the-Ijssel, and D. H. Van Dam, Rotterdam, Netherlands. Driving system for loud speakers. 1,878,919; Sept. 20.

Van Damme, Leopold August, and H. Maenner, St. Louis, Mo. Hot bed. 1,841,509; Jan. 19.

Vandecan, Edouard, assignor to The Renfrew Machinery Company Limited, Renfrew, Ontario, Canada. Washing machine. 1,855,265; Apr. 26.

Van Deest, Henry, assignor to Henney Motor Company, Freeport, Ill. Cot fasteners for ambulances. 1,858,530; May 17.

Van Deest, Henry, assignor to Henney Motor Company, Freeport, Ill. Cot fastener for ambulances. 1,859,480; May 24.

Vandegrift, James N., assignor to International Bitumenoil Corporation, New York, N. Y. Retort. 1,857,171; May 10.

Van Degrift, Thomas C. (See Lee, C. L., and Van Degrift.)

Van den Berg, Johannes J. (See Vernooy, Reinier, assignor.)

Van den Bergh, Jacob, Nijmegen, assignor to Naamlooze Vennootschap Gebrs. van den Bergh's Industrie en Handelsmaatschappij, North Brabant, Netherlands. Manufacture of curtain and similar woven stuff. 1,864,105; June 21.

Van den Bergh, Samuel J., assignor to the Firm N. V. Nederlandsche Instrumenten-Compagnie, The Netherlands. Antiaircraft fire-control apparatus. 1,847,734; Mar. 1.

Van den Bergh, Samuel J., assignor to the Firm N. V. Nederlandsche Instrumenten-Compagnie, The Hague, Netherlands. Fire control apparatus. 1,859,725; May 24.

Van den Broecke, Frans. (See Capek, A., and Van den Broecke.)

Van Denburg, John W., White Plains, N. Y. Separator. 1,869,987; Aug. 2.

Van Denburgh, Cornelius C. (See Welter, H. C., and Van Denburgh.)

Van Den Driessche, Joseph V. G., Uccle-Brussels, Belgium. Manufacture of amorphous carbon. 1,887,792; Nov. 15.

Vanderbeck, Herbert, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,884,925; Oct. 25.

Vanderbilt, Joseph B., Glen Head, assignor to Penick & Ford Ltd., Incorporated, New York, N. Y. Bottle and jug holder. 1,851,606; Mar. 29.

Vanderbilt, R. T., Company, The. (See Alton, William H., assignor.)

Vanderbilt, R. T., Company. (See Edland, Laurence A., assignor.)

Vanderbilt, R. T., Company. (See Murrill, Paul I., assignor.)

Vanderbilt, R. T., Company. (See Vanderbilt, Robert T., assignor.)

Vanderbilt, Robert T., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Coloring clay. 1,841,309; Jan. 12.

Vandercook, David D. (See Vandercook, Edward O., D. D., and F. R.)

Vandercook, David D. (See Vandercook, Edward O., R. O., F. R., and D. D.)

Vandercook, Edward O., D. D., and F. R., Evanston, Ill., assignors to Vandercook and Sons, Chicago, Ill. Automatic cylinder trip for printing presses. 1,843,254; Feb. 2.

Vandercook, Edward O., D. D., and F. R., Evanston, Ill., assignors to Vandercook & Sons, Chicago, Ill. Proof press. 1,843,255; Feb. 2.

Vandercook, Edward O., R. O., F. R., and D. D., assignors to Vandercook & Sons, Chicago, Ill. Chase for printing presses. 1,866,379; July 5.

Vandercook, Edward O., D. D., and F. R., Evanston, Ill., assignors to Vandercook & Sons. Work supporting attachment for proof presses. 1,886,923; Nov. 8.

Vandercook, Fred R. (See Vandercook, Edward O., R. D., F. R., and D. D.)

Vandercook, Frederick R. (See Vandercook, Edward O., D. D., and F. R.)

Vandercook, Robert O. (See Vandercook, Edward O., R. O., F. R., and D. D.)

Vandercook & Sons. (See Vandercook, Edward O., D. D., and F. R., assignors.)

Vandercook & Sons. (See Vandercook, Edward O., R. O., F. R., and D. D., assignors.)

Van De Riet, George, assignor to West Michigan Furniture Company, Holland, Mich. Dressing table. Des. 88,179; Nov. 1.

Van De Riet, George, assignor to West Michigan Furniture Co., Holland, Mich. Bedstead. Des. 88,180; Nov. 1.

Van Deren, James B., Kingfisher County, Okla. Automatic weighing machine. 1,881,152; Oct. 4.

Vandergon, Arthur D., Delano, Minn. Toy windmill. 1,880,604; Oct. 4.

Van der Grinten, Frans. (See van der Grinten, L. P. F. and R. J. J., assignors.)

Van der Grinten, Karel J. J. (See van der Grinten, L. P. F. and K. J. J.)

Van der Grinten, Karel J. J. (See van der Grinten, Lodewijk P. F. and K. J. J.)

Van der Grinten, Lodewijk P. F. and K. J. J., Venlo, assignors to Frans van der Grinten, Venlo, Linburg, Netherlands. Developing positive diazo prints. 1,874,653; Jan. 19.

Van der Grinten, Lodewijk P. F. and Karel J. J., assignors to N. V. Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Manufacture of sensitive diazotype layers. 1,861,330; May 31.

Vander Haeghen, Paul, Berchem Ste. Agathe, assignor to Societe Anonyme Compagnie Internationale Des Freins Automatiques, Liege, Belgium. Servo-motor. 1,851,902; Mar. 29.

Van Derhoef, George N. (See Mosher, J. F., and Van Derhoef.)

Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Hopper mount for roll coating machines. 1,880,605; Oct. 4.

Vanderhoof, Lawrence A., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal furniture. 1,840,141; Jan. 5.

Vanderhoof, Lawrence A., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal furniture. 1,840,142; Jan. 5.

Van der Horst, Willem P. C., The Hague, Netherlands. Transmitting a plurality of communications. 1,852,727; Apr. 5.

Vanderkloot, Marinus. (See Bellinghausen, W., and Vanderkloot.)

Vanderkloot, Marinus, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Meat mold. 1,863,609; June 21.

Van der Lee, Gerrit, assignor to Naamlooze Vennootschap Internationale Oxygenium Maatchappij, Novadel, Deventer, Netherlands. Treating edible milling products. 1,855,158; Apr. 19.

Van der Lee, Gerrit, Deventer, Netherlands, assignor to Naamloozе Vennootschap Noury & Van der Lande's Handelmaatschappij, Deventer, The Netherlands. Enhancing the action of per compounds which are decomposed by catalases upon animal or vegetable products. 1,866,412; July 5.

Van der Leun, Cornelis, Zeist, Netherlands. Locking device. 1,866,684; July 12.

Vander Ley, Andrew, assignor to Vander Ley Bros., Inc., Grand Rapids, Mich. Chair. Des. 86,290; Feb. 16.

Vander Ley Bros., Inc. (See Vander Ley, Andrew, assignor.)

Vandermark, Chris W. (See Kennedy, C. T., and Vandermark.)

Van der Mark, Jan, Eindhoven, Netherlands, assignor to Radio Corporation of America. Synchronizing system. 1,845,368; Feb. 16.

Vander Meer, Peter C. A., assignor to Snax Automatic Stores, Inc., Detroit, Mich. Control control. 1,875,900; Sept. 6.

Vanderoef Advertising System, Inc. (See Vandewater, Steven R., assignor.)

Vanderploeg, Henry, assignor to Haggard & Marcusson Company, Chicago, Ill. Hook forming tool. 1,880,606; Oct. 4.

Van der Pool, Johannes M, and H. Gooskens, Eindhoven, Netherlands, assignors to General Electric Company. Apparatus for straightening lead wires. 1,853,947; Apr. 12.

Van der Pol, Balthasar. (See Holst, G., and Van der Pol.)

Van der Pol, Balthasar. (See Holst, G., van der Pol, and Posthumus.)

Van der Pol, Balthasar, Eindhoven, Netherlands, assignor to Radio Corporation of America, New York, N. Y. Depriving electric devices of occluded gases. 1,871,017; Aug. 9.

Van der Pol, Balthasar, Eindhoven, Netherlands, assignor to Radio Corporation of America. Device for modulating the frequency of electric oscillations. 1,876,109; Sept. 6.

Van der Pol, Balthasar, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Receiving system. 1,886,900; Nov. 8.

Van der Pol, Balthasar, and K. Posthumus, Eindhoven, Netherlands, assignors to Radio Corporation of America. Screen grid tube. 1,865,065; June 28.

Van der Pol, Edward, Witton, and B. H. Stimpson, Nashua, N. H., assignors, by mesne assignments, to F. L. Emery, Boston, Mass. Packaging machine. 1,857,680; May 10.

Van der Pol, Edward, Worcester, Mass., and B. H. Stimpson, Nashua, N. H., assignors, by mesne assignments, to F. L. Emery, Boston, Mass. Carton end gluing and closing machine. 1,863,346; June 7.

Vandersall, Lemuel G., et al. (See Smith, Clarence W., assignor.)

Vanderveer, Jewell W., assignor Erie Malleable Iron Company, Erie, Pa. Metal wheel. 1,857,747; May 10.

Vanderveer, Jewell W., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel structure. 1,860,001; May 24.

Vanderveld, Anthony, Grand Rapids, Mich. Chart adjustment. 1,846,880; Mar. 8.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Disappearing door structure. 1,882,375; Oct. 11.

Vanderwerp, Milford T., assignor to American Seating Company, Grand Rapids, Mich. Device for holding and operating rotary tools. 1,875,529; Sept. 6.

Vanderwall, Wilbur P., West Concord, Minn. Thermobox. 1,859,119; May 17.

Van der Willigen, Paul C., assignor of one-half to N. V. Nederlandsche Linoleumfabriek, Kromoniede, Netherlands. Production of flexible floor-, wall- and like covers. 1,890,476; Dec. 13.

Van Dewater, Alfred W., Nashville, Tenn. Luggage carrier. 1,884,402; Oct. 25.

Van Deventer, H. R., Incorporated. (See Warren, Joseph A., assignor.)

Van Deventer, Harry R., New York, N. Y., assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Motor operated machine unit. 1,867,719; July 19.

Van Deventer, Harry R., New York, N. Y., assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Refrigerating system. 1,886,607; Nov. 8.

Van Deventer, Harry R., and J. A. Grier, New York, N. Y., assignors, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,888,336; Nov. 22.

Van De Venter, Walter F., Louisville, Ky., assignor to General Box Company, Chicago, Ill. Machine for making wirebound box blanks. 1,845,105; Feb. 16.

Vandewater, Steven R., assignor to Vanderoy Advertising System, Inc., St. Louis, Mo. Automatic stereopticon changing device. 1,870,801; Aug. 9.

Van Dijck, Willem J. D., and H. H. Radier, assignors to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Preparing condensate from gases. 1,851,607; Mar. 29.

Van Dinter, George L., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber boot. Des. 87,096; May 31.

Van Dinter, George L., and C. Ferrettie, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boots fitting rubber boot and making same. 1,890,890; Dec. 13.

Van Doorn, Anthonius M., Bilthoven, Netherlands. Analytical filter. 1,865,982; July 5.

Van Dorn Electric Tool Co. The. (See Connell, Edwin L., assignor.)

Van Dorn Electric Tool Company, The. (See Fleming, Jared B., assignor.)

Van Dorn, Herbert E., Chicago, Ill., assignor to W. G. Van Dorn, Pasadena, Calif. Automatic car and air coupler. 1,878,031; Sept. 20.

Van Dorn, Herbert E., Chicago, Ill., assignor to William G. Van Dorn, Pasadena, Calif. Drawbar carrier. 1,878,032; Sept. 20.

Van Dorn Iron Works Company. (See Bronson, Richard W., assignor.)

Van Dorn Iron Works Company, The. (See Garber, Harry D., assignor.)

Van Dorn Iron Works Company, The. (See Garber, H. D., and Meier, assignors.)

Van Dorn, William E., Altadena, Calif., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,870,187; Aug. 9.

Van Dorn, William G. (See Van Dorn, Herbert E., assignor.)

Van Dresser, Huntington, Memphis, Tenn. Window guard. 1,873,229; Aug. 23.

Van Dusen, Charles A., and L. Haase, assignors to The Glenn L. Martin Co., Baltimore, Md. Preservation of metal surfaces. 1,877,208; Sept. 13.

Van Dusen, Walter M. (See Noelting, W. H., and Van Dusen.)

Van Duyn, Adrianus, Hillegersberg, assignor to N. V. Maatschappij tot Vervaardiging van Snijmachines volgens Van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,854,678; Apr. 19.

Van Duyn, Adrianus, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Work support for slicing machine. 1,856,894; May 3.

Van Duyn, Adrianus, Hillegersberg, Netherlands, assignor to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Weighing scale. 1,869,723; Aug. 2.

Vanduzen, E. W., Company, The. (See Merrill, Sidney B., assignor.)

Van Duzer, Joseph, Firthcliffe, N. Y. Fishing rod support. 1,872,478; Sept. 6.

Van Dyck, Arthur F., Yonkers, N. Y., assignor to Radio Corporation of America. Phonograph control. 1,872,366; Aug. 16.

Van Dyke, John W., Philadelphia, Pa. Muffler. 1,842,921; Jan. 26.

Van Dyke Textigraph Corp. (See Van Dyke, William D., assignor.)

Van Dyke, William D., assignor to Van Dyke Textigraph Corp., Chattanooga, Tenn. Apparatus for tufting fabrics. 1,888,941; Nov. 22.

Van Dyken, Harry, Two Harbors, Minn. Suspension jack. 1,853,155; Apr. 12.

Van Eck, Jacob, and P. Fekkes, Rotterdam, Netherlands; said Fekkes assignor to H. Fekkes. Electric incandescent lamp. 1,863,423; June 14.

Van Emden, Aaron L., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, Bus-line-lumper connecter. 1,872,367; Aug. 16.

Van Ess, William F., Plainfield, assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 1,855,266; Apr. 26.

Van Etten, William V., Bellingham, Wash. Shoe polisher. 1,853,588; Apr. 12.

Van Etten, William V., Bellingham, Wash. Balanced power scooter. 1,867,687; July 19.

Vang, Alfred, Detroit, Mich., assignor, by mesne assignments, to Motor Development Corporation. Internal combustion engine. 1,869,633; Aug. 2.

Van Gelder, Harold C. (See Muggleton, G. D., Brallier, Van Gelder, and Webber.)

Van Gastel, Albertus, Wettinger, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective system. 1,873,387; Aug. 23.

Van Gessel, Johannes A., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Separating mixed gases. 1,891,125; Dec. 13.

Van Gessel, Karel M. (See de Boer, J. H., and van Gessel.)

Van Gilder, Elbert O. (See Van Gilder, Floyd D., assignor.)

Van Gilder, Floyd D., assignor of one-third to E. O. Van Gilder, Racine, Wis. Indicator for signal lights in automobiles and similar vehicles. 1,842,183; Jan. 19.

Van Guelpen, Louis J., Cincinnati, Ohio, assignor, by mesne assignments, to Iver Johnson's Arms and Cycle Works, Fitchburg, Mass. Child's vehicle with reclining back. 1,876,111; Sept. 6.

Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Hydraulic operating system for machine tools. 1,884,985; Oct. 25.

Van Hecke, Charles E., Stevens Point, Wis. Saddle clamping. 1,884,405; Oct. 25.
Van Hoofstadt, Edward. (See Gustavson, C., Van Hoofstadt, and Greenbaum.)
Van Hoofstadt, Edward. (See Shmyroff, A., Dill, and Van Hoofstadt.)
Van Hook, Charles F., assignor to The Watson Machine Company, Paterson, N. J. Traverse mechanism for reeling machines. 1,867,688; July 19.
Van Hoorn, Jetze, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Motor driven slicing machine. 1,846,924; Feb. 23.
Van Hoorn, Jetze, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,856,856; May 3.
Van Hoorn, Jetze, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Motor driven slicing machine. 1,878,033; Sept. 20.
Van Hoydonck, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Food chopping machine. 1,865,545; July 5.
Van Hoydonck, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Sausage stuffer. 1,880,182; Sept. 27.
Van Horn, Chris S., Bloomsburg, Pa. Carving instrument. 1,875,850; Sept. 6.
Van Horn, Junius B. (See Mendenhall, E., and Van Horn.)
Van Horn, William H. (See Kemp, W. W., and Van Horn.)
Van Horn, William H., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Back fire preventer. 1,872,368; Aug. 16.
Van Horne, John S., Franklin, Ohio, assignor to Radio Corporation of America. Filament support. 1,886,991; Nov. 8.
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough handling apparatus. 1,869,033; July 26.
Van Houweling, Arthur C., and E. S. Cook, Pella, Iowa. Mechanism for operating signal switches. 1,839,906; Jan. 5.
Van Hulle, Edmund. (See Neelmeier, W., and van Hulle.)
Van Hulst, Lambertus, Merseburg, Germany. Bag consisting of two layers of paper. 1,871,827; Aug. 16.
Vanick, James S. (See Merica, P. D., and Vanick.)
Van Iderstine, John H., Chicago. Combination muffler and feed heater. 1,862,043; June 7.
Van Kannel Revolving Door Company. (See Blanchard, Robert L., assignor.)
Van Kannel Revolving Door Company. (See Munson, Harry, assignor.)
Van Kirk, Howard R., Larchmont, assignor to General Permanent Wave Corporation, New York, N. Y. Steam hair waving appliance. 1,847,704; Mar. 1.
Van Kirk, Howard R., Larchmont, assignor to General Permanent Wave Corporation, New York, N. Y. Waving hair by steam heat. 1,847,705; Mar. 1.
Van Kleeck, Augustus, assignor to The Wilson-Bohannan Company, Marion, Ohio. Padlock. 1,855,327; Apr. 26.
Van Kleeck, Leland S., Montgomery, N. Y. Antiskid device. 1,890,872; Dec. 13.
Van Laam, Gerrit, Buffalo, N. Y. Windshield cleaner and protector. 1,864,561; June 28.
Van Lammeren, Willem C., Voorschoten, Netherlands. Propeller for helicopters. 1,880,302; Oct. 4.
Van Leer, B. (See Van Leer, Floris H., assignor.)
Van Leer, Floris H., Glendale, Calif., assignor, to B. Van Leer, Amsterdam, Netherlands. Sealable padlock. 1,867,689; July 19.
Van Lempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company. Leading-in conductor. 1,857,203; May 10.
Van Loenen, William F., Casper, Wyo., assignor to Petroleum Rectifying Company, California, Los Angeles, Calif. Treater with variable pressure. 1,847,541; Mar. 1.
Van Loon, Christiaan, Dordrecht, assignor to Naamlooze Vennootschap Anton Jurgens Margarinefabrieken, Nijmegen, Netherlands. Converting neutral or nearly neutral triglycerides mutually or with other esters. 1,873,513; Aug. 23.
Van Meter, Solomon L., jr., Washington, D. C. Battery refilling device. 1,848,035; Mar. 1.
Van Meter, jr., Solomon L., Washington, D. C. Aircraft. 1,885,570; Nov. 1.
Van Meter, Solomon L., jr., Hempstead, N. Y. Parachute. 1,874,392; Aug. 30.
Vannah, Harold P., West Palm Beach, and S. W. Houser, St. Petersburg, Fla., assignors to Brown Company, Berlin, N. H. Machine for treating peanuts. 1,847,318; Mar. 1.
Vannah, Harold P., West Palm Beach, Fla., assignor to Brown Company, Berlin, N. H. Treating soils. 1,880,058; Sept. 27.
Van Ness, Henry E., Elmira, assignor to R. W. Byerly, New York, N. Y. Fire extinguisher. 1,857,797; May 10.
Van Ness, John A., Bloomington, Ill. Fish lure. 1,873,682; Aug. 23.
Van Ness, Willard L., Toledo, Ohio. Glass manufacture. 1,884,926; Oct. 25.
Van Ness, Willard L., Toledo, Ohio. Utensil cleansing apparatus. 1,886,853; Nov. 8.
Van Ness, William C., Brooklyn, N. Y., and F. M. Card, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanisms for sewing machines. 1,884,404; Oct. 25.
Van Nieuwenhuyzen, Fred, Pella, Iowa. Rake. 1,872,852; Aug. 23.
Vannini, Philipp, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Switch actuating mechanism. 1,887,223; Nov. 8.
Van Norden, Ericcson B., Jackson Heights, assignor to A. Kimball Company, New York, N. Y. Marking tag. 1,872,613; Aug. 16.
Van Norden, Rudolph W., San Francisco, Calif. Multiple arch dam. 1,867,119; July 12.
Van Norman, Charles E., assignor to Van Norman Machine Tool Company, Springfield, Mass. Chuck. 1,858,693; May 17.
Van Norman, Charles E., assignor to Van Norman Machine Tool Company, Springfield, Mass. Slide mechanism for precision grinding machines. 1,881,984; Oct. 11.
Van Norman, Frederick D., assignor to Van Norman Machine Tool Company, Springfield, Mass. Adjustable boring head. 1,870,350; Aug. 9.
Van Norman Machine Tool Company. (See Arp, Ewald A., assignor.)
Van Norman Machine Tool Company. (See Van Norman, Charles E., assignor.)
Van Norman Machine Tool Company. (See Van Norman, Frederick D., assignor.)
Van Nostrand, Arleigh N., Flushing, assignor to Telautograph Corporation, New York, N. Y. Stylus for telautographs. 1,875,833; Sept. 6.
Van Orman, Clare R., Topeka, Kans. Jetty construction. 1,850,364; Nov. 22.
Vann Sara, H., Birmingham, Ala. Doll. Des. 87,371; July 12.
Van Nuys, Albert R., Pocatello, Idaho. Adjustable lecture and classroom chair. 1,876,802; Sept. 13.
Van Nuys, Stanley, Richmond, Ind. Cigarette making device. 1,839,717; Jan. 5.
Van Orman, Ray, Baltimore, Md., assignor to A. G. Spalding & Bros., New York, N. Y. Lacrosse mask. 1,843,585; Feb. 2.
Vanover, William A., Valier, Mont. Farming implement. 1,875,305; Aug. 30.
Van Peskl, Adrianus J., Amsterdam, assignor to Naamlooze Vennootschap de Batnafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of alcohols. 1,884,405; Oct. 25.
Van Raalte, Albert, Upton, Albert, assignor.)
Van Raalte, Martin, St. Louis, Mo. Surgical appliance. 1,884,927; Oct. 25.
Van Ranst, Cornelius W., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile frame. 1,841,510; Jan. 19.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Front wheel driven automobile. 1,843,146; Feb. 2.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Spare wheel locking and holding means. 1,853,476; Apr. 12.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Headlight mounting for automobiles. 1,861,463; June 7.
Van Ranst, Cornelius W., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile construction. 1,876,110; Sept. 6.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Driving gear arrangement for automobiles. 1,886,924; Nov. 8.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Front drive automobile. 1,887,666; Nov. 15.
Van Ranst, Cornelius W., Detroit, Mich. Shock absorber. 1,851,654; Mar. 29.
Van Rennes, Cornelis, Flushing, N. Y., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Valve for airbags. 1,875,782; Sept. 6.
Van Rensselaer, Kiliaen M., Woodmere, and H. R. Swanson, assignors to Triangle Kapok Machine Corporation, Brooklyn, N. Y. Picker mechanism. 1,884,406; Oct. 25.
Van Rijswijk, Willem, Ennetbaden, Switzerland. Labyrinth gland for machine shafts. 1,873,988; Aug. 30.
Van Rijswijk, Willem, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Fluid apparatus. 1,841,863; Jan. 19.
Van Rijswijk, Willem, assignor to Brown Boveri & Cie., Baden, Switzerland. Gas sealed gland. 1,867,236; July 12.
Van Riper, Lewis C., Brooklyn, N. Y. Bag clamp for suction cleaners. 1,861,402; May 31.
Van Rixel, William, jr., Green Bay, Wis. Gun cleaning device. 1,872,198; Aug. 16.
Van Romaine, Eldon, Cincinnati, Ohio. H. J. Welland, South Milwaukee, Wis., and P. O. and R. C. Palmer, Pensacola, Fla., assignors, by mesne assignments, to Newport Industries, Inc. Liming rosin. 1,884,407; Oct. 25.
Van Rosen, Hugo, Brighton, Mass., assignor to Delta-Star Electric Company. Insulator cap. 1,877,594; Sept. 13.

Van Royen, Herman J., Horde, Germany. Refining process for producing pure iron. 1,846,234; Feb. 23.
Van Royen, Herman J., Horde, Germany, assignor to Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Manufacture of iron and steel. 1,844,994; Feb. 16.
Vansant, Richard H., Chicago, Ill. Foldable door. 1,878,034; Sept. 20.
Vansant, Richard H., Chicago, Ill. Foldable door. 1,878,073; Sept. 20.
Van Schaack Bros. (See Van Schaack, Robert H., jr., assignor.)
Van Schaack Bros. Chemical Works, Inc. (See Boehmer, Norris, assignor.)
Van Schaack Bros. Chemical Works, Inc. (See Calvert, Robert, assignor.)
Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, Robert H., jr.)
Van Schaack, Robert H., jr., Evanston, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Drying organic liquids. 1,854,385; Apr. 19.
Van Schaack, jr., Robert H., Evanston, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Drying liquids by dialysis. 1,885,393; Nov. 1.
Van Schaardenburg, Frans J. J., et al. (See Prins, Peter L., assignor.)
Van Schantz, Gustaf S., Newton, assignor to E. T. Ryan Iron Works, inc., Alston, Mass. Transom operator. 1,842,887; Jan. 26.
Van Schaick, Nelle R. (See Wagner, Raoul D., assignor.)
Vanshura, Vincent, New York, N. Y. Combination ash tray and stand for smokers' articles. Des. 86,148; Feb. 2.
Vanshura, Vincent, New York, N. Y. Combination ash tray and stand for smokers' articles. Des. 86,149; Feb. 2.
Van Sickel, Ernest J., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Lock housing assembly. 1,854,495; Apr. 19.
Van Sickle, Frank B. (See Brown, C. A., Van Sickle, and Craig.)
Van Sickle, Melvin E., Toronto, Ontario, Canada. Head covering. 1,861,669; June 7.
Van Sickle, Roswell C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. Re18,630; Oct. 18.
Van Sickle, Roswell C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil for circuit breakers. 1,872,369; Aug. 16.
Van Sickles, Irving N., assignor to Sargent & Company, New Haven, Conn. Lock for exit bolts. 1,867,606; July 19.
Van Splunter, John M., and Grand Rapids, Mich. Electric power switch. 1,867,747; July 15.
Van Stone, Nathan E. (See Lang, F. H., and Van Stone.)
Van Suchtelen, Harold, Eindhoven, Netherlands, assignor to Radio Corporation of America. Circuit arrangement for smoothing a direct current ripple. 1,875,961; Sept. 6.
Van Tassel, Harry C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,854,967; Apr. 19.
Van Titles, Inc. (See Weidner, Nathan, assignor.)
Van Trabert, Theodore C., Bronx, N. Y. Radioreceiver. 1,843,967; Mar. 15.
Van Treek, Joseph, Nutley, N. J. Saw guide. 1,842,573; Jan. 26.
Van Tuyl, Thomas, Oak Park, Ill., assignor to Jay Manufacturing Company. Connecting device. 1,839,279; Jan. 5.
Van Tuyl, Thomas, Oak Park, Ill., assignor to Jay Manufacturing Company. Liquid feeding device. 1,883,847; Oct. 18.
Van Tuyl, Thomas, Oak Park, Ill., assignor to Jay Manufacturing Company. Liquid feeding device. 1,883,848; Oct. 18.
Van Tuyl, Thomas, Chicago, Ill., assignor to Jay Manufacturing Company. Lubricating device. 1,856,300; May 3.
Van Urk, Arend T. (See Bruijnes, J., and Van Urk.)
Van Valkenburg, Harold A., Van Nuys, Calif. Tool for pneumatic tires. 1,888,894; Nov. 22.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Automatic pressure switch. 1,843,256; Feb. 2.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Automatic switch. 1,886,608; Nov. 8.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Pressure switch. 1,890,909; Dec. 6.
Van Veen, Anton, West Hartford, Conn., assignor, by mesne assignments, to P. R. Hoopes, Hartford, Conn. Trimming machine. 1,862,990; June 14.
Van Veen, Anton, West Hartford, Conn., assignor to The E. Ingraham Company, Bristol, Conn. Synchronous-motor electric audible-signal clock. 1,883,162; Oct. 18.
Van Vlaanderen Machine Company. (See Koch, William J., assignor.)
Van Vlaanderen Machine Company. (See Lane, George W., assignor.)
Van Vlaanderen Machine Company. (See Peterson, John E., assignor.)
Van Vlaanderen Machine Company. (See Van Vlaanderen, Peter, assignor.)
Van Vlaanderen, Peter, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Reel. 1,841,227; Jan. 12.
Van Vliet, Paul D., River Forest, assignor to Air Control Systems, Inc., Chicago, Ill. Atomizing liquids and absorbing the same by gases. 1,892,293; Dec. 27.
Van Vliet, Paul D., River Forest, assignor to Air Control Systems, Inc., Chicago, Ill. Atomizing liquids and impregnating gases therewith. 1,892,294; Dec. 27.
Van Vliet, Paul D. (See Jordan, W. D., and Van Vliet.)
Van Voorhis, jr., Frank, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control device. 1,883,163; Oct. 18.
Van Voorhis, Fred S., Saugerties, N. Y. Paper cutting and folding machine. 1,845,986; Feb. 16.
Van Voorhis, Stephen L. (See Button, C. R., and Esty, assignors.)
Van Voorhis, William G. (See George, C. L., and Van Voorhis.)
Van Vorhees, Harold E. (See Haskins, H. B., and Van Vorhees.)
Van Vorst, John, assignor to Mohawk Asphalt Heater Company, Schenectady, N. Y. Weather excluding casing. 1,844,827; Feb. 9.
Van Vorst, John, assignor to Mohawk Asphalt Heater Company, Schenectady, N. Y. Trailer. 1,871,828; Aug. 16.
Van Vulpen, John. (See Russell, E. A., and Van Vulpen.)
Van Vulpen, John, and E. A. Russell, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Air conditioning for railway cars. 1,853,477; Apr. 12.
Van Vulpen, John, and E. A. Russell, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Combined heating and cooling system for railway cars. 1,884,408; Oct. 25.
Van Wagner, Lester, Richmond Hill, N. Y. Sanitary paper roll. 1,891,629; Dec. 20.
Van Weenen, Franciscus L., assignor to Naamlooze Vennootschap Maatschappij tot Verarndiging van Snijmachines volgens Van Weenen's Patent en Van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,872,851; Aug. 23.
Van Weenen, Franciscus L., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Lubricating mechanism for slicing machines. 1,878,207; Sept. 20.
Van Wickland Products Co. (See Skinner, Walter J., assignor.)
Van Wie, Carrie, Chicago, Ill. Curtain protector. 1,840,217; Jan. 5.
Van Winkle, Joseph R., Quitaque, Tex. Advertising means for stores and the like. 1,830,507; Oct. 27.
Van Winkle, Raymond. (See Nitardy, F. W., Christiansen, and Van Winkle.)
Van Wormer, Bernard A., La Grande, Oreg. Wheel. 1,854,880; Mar. 29.
Van Wormer, John R., assignor to The American Paper Bottle Company, Toledo, Ohio. Paper container closure. 1,854,519; Apr. 19.
Van Wyck, Cecil. (See Hyde, R. C., and van Wyck.)
Van Wyck, Cecil, and R. C. Hyde, Los Angeles, Calif., assignors to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Illuminated sign. 1,858,755; May 17.
Van Zoeren, Gerrit J. (See De Pree, E. J., and Van Zoeren.)
Van Zülphen, Ludwig, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie, Akitengesellschaft, Frankfort-on-the-Main, Germany. Polymerizing hydrocarbons of the butadiene series. 1,885,653; Nov. 1.
Vapor Car Heating Company, Inc. (See Bruce, A. D., Russell, and Manchester, assignors.)
Vapor Car Heating Company. (See Garland, William L., assignor.)
Vapor Car Heating Company, et al. (See Gold, Egbert H., and Russell, assignors.)
Vapor Car Heating Company. (See Manchester, T. H., and Russell, assignors.)
Vapor Car Heating Company. (See Parks, Paul B., assignor.)
Vapor Car Heating Company. (See Russell, Edward A., assignor.)
Vapor Car Heating Company. (See Russell, E. A., and Van Vulpen, assignors.)
Vapor Car Heating Company. (See Russell, Edward T., assignor.)
Vapor Car Heating Company. (See Van Vulpen, J., and Russell, assignors.)
Varaud, André, Geneva, Switzerland. Fuse for artillery projectiles. 1,863,888; June 21.
Varaud, André, Geneva, Switzerland. Time fuse mechanism for projectiles. 1,890,552; Dec. 13.
Varble, John M., and R. A. Shannon, Canton, Ohio; said Shannon assignor to said Varble. Car retarder. 1,871,929; Aug. 16.
Varden, John T., Los Angeles, Calif. Seal for shafts. 1,864,683; June 28.
Varga, Josef, Budapest, Hungary, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Destructive hydrogenation of carbonaceous substances. 1,852,988; Apr. 5.

Vargha, Andrew L., assignor to General Motors Corporation, Detroit, Mich. Disk clutch. 1,862,901; June 14.

Vargha, Andrew L., assignor to General Motors Corporation, Detroit, Mich. Coil spring. 1,862,992; June 14.

Varin, Victor. (See Poirier, L., and Varin.)

Varityper Incorporated. (See Trego, Frank H., assignor.)

Varley, Thomas W. (See Nein, W. C., and Varley.)

Varley, Thomas W., and W. C. Nein, New York, N. Y. Train control. 1,878,735; Sept. 20.

Varnau, Bernard H., and T. R. Wayne, Sugar Land, Tex. Cooling apparatus. 1,846,288; Feb. 23.

Varney, Frank M., Roanoke, Va. Signal. 1,860,559; May 31.

Varney, Theodore, assignor to Aluminum Company of America, Pittsburgh, Pa. Suspending and protecting aerial cables. 1,873,798; Aug. 23.

Varney, Theodore Kewley, assignor to Aluminum Company of America, Pittsburgh, Pa. Supporting transmission line conductors. 1,842,809; Jan. 26.

Varney, William W. (See Brogan, Graham W., assignor.)

Varney, William W. (See Brogan, John L., assignor.)

Varney, William W. (See Brown, J. L., and Varney.)

Varney, William W. (See Grenagle, James B., assignor.)

Varnley, Cromwell H., Corton, near Lowestoft, England. Rotary engine, pump, and the like. 1,864,699; June 28.

Varren, Alexander. (See Bornkessel, B., Breitling, Lehmann, and Varren.)

Varren, Alexander. (See Lehmann, K. A., and Varren.)

Vasel, Gustav A., Philadelphia, assignor to William Wharton, jr., & Company, Incorporated, Easton, Pa. Wiping grinding rolls. 1,848,916; Mar. 8.

Vasel, Gustav A., Philadelphia, Pa., assignor to William Wharton, jr., & Company, Incorporated, Easton, Pa. Wiping provision for grinding rolls. 1,848,917; Mar. 8.

Vasquez, Joaquin, and M. Bernardez, Pontevedra, Spain. Submarine lifeboat. 1,877,553; May 10.

Vassakos, Leonidas A., New York, N. Y. Coupling. 1,883,164; Oct. 18.

Vassar Swiss Underwear Company. (See Rutledge, George E., assignor.)

Vassell, Anthony J., Newark, N. J. Radio station finder. 1,846,289; Feb. 23.

Vassell, Anthony J., Newark, N. J. Brake and clutch control for motor vehicles. 1,886,767; Nov. 8.

Vassos, John, New York, N. Y., assignor to The Coca-Cola Company, Atlanta, Ga. Beverage dispensing device. Des. 87,654; Aug. 23.

Vastano, Frederick A., Paterson, N. J. Engine starter. 1,800,990; Apr. 14.

Vastano, Frederick A., Paterson, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Starter for internal-combustion motors. Re. 18,554; Aug. 2.

Vaughan, Arthur H. (See Cope, F. T., and Vaughan.)

Vaughan, Bentley S., assignor to Screen Screen Company, Geneva, Ill. Article of furniture and hinge therefor. 1,845,771; Feb. 16.

Vaughan Company. (See Ponton, Fortunat, assignor.)

Vaughan, Henry P., assignor to Detroit Lubricator Company, Detroit, Mich. Air cleaner. 1,847,452; Mar. 1.

Vaughan, James M. Owensboro, Ky. Method and apparatus for cleaning tobacco. 1,852,947; Apr. 5.

Vaughan Novelty Mfg. Co. (See Gisske, Walter P., assignor.)

Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Trench excavator construction. 1,850,363; Mar. 22.

Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Excavator bucket and cleaner construction. 1,850,364; Mar. 22.

Vaughn, George A., and C. L. George, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trenching machine. 1,892,521; Dec. 27.

Vaughn, Jesse A. (See Mitchell, R. H., and Vaughn.)

Vaughn, Jesse A., assignor to Killefer Manufacturing Corporation, Ltd., Los Angeles, Calif. Locking and tripping device for a power lift implement. 1,888,482; Nov. 22.

Vaughn, Jesse A., assignor to Killefer Manufacturing Corporation, Ltd., Los Angeles, Calif. Locking and tripping device for power lift implements. 1,888,521; Nov. 22.

Vaughn, John L., Cicero, assignor to O. D. Jennings & Company, Chicago, Ill. Coin operated time controlled switch mechanism. 1,890,309; Dec. 6.

Vaughn, L. A., et al. (See Williams, Warren K., assignor.)

Vaughn Machinery Company, The. (See McIlvried, Edwin J., assignor.)

Vaughn, Sidney P., U. S. Navy, Ackerman, Miss., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Thermostatic snap valve. 1,874,160; Aug. 30.

Vaughn, Sidney P., United States Navy, Ackerman, Miss. Helicopter. 1,887,703; Nov. 15.

Vaughn, Sidney P., U. S. Navy, Ackerman, Miss., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Thermostat. 1,874,661; Aug. 30.

Vaughn, Wallace B., assignor of one-third to J. G. Wellep, Two Rivers, Wis. Pump jack. 1,865,290; June 28.

Vaupotic, Ferdinand A., Brooklyn, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Vanishing cream. 1,875,530; Sept. 6.

Vawter, John T., Los Angeles, Calif. Cement gun nozzle. 1,885,645; Nov. 1.

Vayda, Louis L. (See Stein, J. A., and Vayda.)

Vazcane Process, Inc. (See Vazquez, Eugenio A., assignor.)

Vazquez, Eugenio A., Habana, Cuba, assignor to Vazcane Process, Inc. Recovery of by-products of sugar extraction. 1,876,522; Sept. 6.

Vea, Norman D. (See Maurer, C. C., and Vea.)

Veale, Clarence H., assignor of forty-nine one hundredths to M. O. Mason and Milton L. Mason, Tulsa, Okla. Flush type theftproof panel board. 1,844,725; Feb. 9.

Veale, George W., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Impact bar for automobile bumpers. Des. 87,815; Sept. 20.

Veale, George W., Cleveland Heights, assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Polishing machine. 1,875,962; Sept. 6.

Veale, George W., Cleveland Heights, assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Tie bar for bumperettes. 1,876,112; Sept. 6.

Veale, George W., Cleveland Heights, assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Automobile heater. 1,882,346; Oct. 11.

Vecaie, Edmund A. (See Jones, H. L., and Veazie.)

Vedder, John W. (See Kendall, G. H., Clem, Peterson, and Vedder.)

Vedder, John W., Worcester, Mass. Paper drier. 1,857,222; May 10.

Vedder, John W., Worcester, Mass. Suction box oscillating means. 1,881,105; Oct. 4.

Vedder, Wicher, Lynwood, assignor of fifty-one per cent to J. B. Norton, Los Angeles, Calif. Combination sealing strip and stop for doors and windows. 1,843,350; Feb. 2.

Vedrinsky, Alexandre, Paris, France. Horticultural scalding apparatus. 1,842,701; Jan. 26.

Veeder, Curtis H., assignor to Veeder-Root Incorporated, Hartford, Conn. Counter actuating mechanism. 1,871,079; Aug. 23.

Veeder, Edwin J., Hillsdale, Mich. Broom. 1,841,228; Jan. 12.

Veeder-Root Incorporated. (See Cobb, Frederick G., assignor.)

Veeder-Root Incorporated. (See James, Richard H., assignor.)

Veeder-Root Incorporated. (See Veeder, Curtis H., assignor.)

Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,859,544; May 24.

Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Pump governor. 1,884,929; Oct. 25.

Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,884,930; Oct. 25.

Vegren, Conrad R., Chicago, Ill. Car door lock. 1,883,105; Oct. 18.

Vehko, James. (See Graebner, O. F., and Vehko.)

Vehko, James, Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body construction. 1,856,006; Apr. 26.

Vehko, James, Detroit, Mich., assignor to The Murray Corporation of America. Die and punch. 1,861,648; June 7.

Veillette, Alfred, Attleboro, Mass. Bridge member for an ophthalmic mounting. Des. 88,691; Dec. 13.

Veillette, Alfred, Attleboro, Mass. Spectacles. 1,839,280; Jan. 5.

Veilleux, Adolphe, St. Maries, Idaho. Food cooler. 1,868,933; July 26.

Veit, Anton L., assignor of one-half to William Wagner San Francisco, Calif. Automatic control for air vehicles. 1,874,662; Aug. 30.

Veit, Hermann. (See Young, Karl G., and Veit.)

Veit, Walter. (See Hausman, S., and Veit.)

Veit, Walter, East Orange, N. J., assignor to Congoleum-Nairn, Inc. Construction of cylindrical packages. 1,864,779; June 28.

Veitch Manufacturing Company. (See Blanchard, George N., assignor.)

Veitel, Fritz, assignor, by mesne assignments, to Universal Patents Holding Co., Weehawken, N. J. Knitting machinery. 1,882,202; Oct. 11.

Vékony, Charles, Miskolcz, Hungary. Motor vehicle. 1,859,721; May 17.

Velasquez, Ernest, New Orleans, La. Electromechanical bottle opener. 1,883,835; Oct. 18.

Veling, Jacob J., Milwaukee, Wis. Tie puller. 1,857,772; May 10.

Velkover, John, North Chicago, Ill. Rake cleaner. 1,863,264; June 14.

Vellino, Carlos, Barcelona, Spain. Chain pump. 1,837,896; May 10.

Vellner, Stephen, Philadelphia, Pa. Heel and sole protector. 1,869,988; Aug. 2.

Vello, Leopoldo S., Paris, France. Bulb, tube, or other hermetically closed receptacle for incandescent electric lamps and similar devices and manufacture of same. 1,861,167; May 31.

Velton, Stephen J., Houston, Tex. Internal combustion engine. 1,859,687; May 24.

Veltri, Nicolas, New York, N. Y. Resilient wheel. 1,862,288; June 7.
Veltung, Ernest, New York, N. Y. Tile floor covering. 1,861,558; June 7.
Velveray Corporation of America. (See Foster, Hallet J., assignor.)
Velvetex Corporation. (See Moran, Edward J., assignor.)
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Excavating bucket. 1,839,281; Jan. 5.
Venable, William M., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Portable mixer. 1,866,138; July 5.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Adjustment means for bucket lines. 1,869,988; Aug. 2.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Sheave block. 1,880,608; Oct. 4.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Material handling apparatus. 1,882,307; Oct. 11.
Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa. Method of and machinery for forming pavements. 1,887,341; Nov. 8.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Material handling and measuring apparatus. 1,891,032; Dec. 13.
Venago, Martin F., San Francisco, Calif. Figurine. Des. 86,291; Feb. 16.
Venali, Ivo, assignor to Societe Anonyme de Fabrication des Tapis a Points Noues "Saftan", Paris, France. Loom for the manufacture of pile fabrics. 1,864,106; June 21.
Venard, William G., Los Angeles, Calif. Form for building columns and beams. 1,861,766; June 7.
Vendi Cater, Inc. (See McCormick, J. H., Allen, and Bender, assignors.)
Vending Machine Corporation. (See Nicholson, George E., assignor.)
Vendini, Larry, Philadelphia, Pa. Aquarium. 1,860,698; May 31.
Veneer Machinery Company. (See Dennis, Alfred A., assignor.)
Venner, Clarence H., jr., New York, N. Y. Lamp shade construction. 1,839,937; Jan. 5.
Vennerholm, Gosta. (See McCarroll, R. H., and Vennerholm.)
Venneflector Company. (See Hentschel, Paul A., assignor.)
Ventre, Eugene. (See Powers, George S., assignor.)
Ventrelle, John S. (See Farnstrom, Albin, assignor.)
Ventresca, Ercole, Houston, Tex. Outside pipe cutter. 1,839,622; Jan. 5.
Ventresca, Ercole, Houston, Tex. Inside casing cutter. 1,867,289; July 12.
Ventriss, Inc. (See Hucke, Charles H., assignor.)
Ventura Manufacturing and Implement Company. (See Hamilton, William F., assignor.)
Venuto, Louis A. (See Grand, W. B., and Venuto.)
Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,840,418; Jan. 12.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,845,772; Feb. 16.
Venzie, Frederick M., Philadelphia, Pa. Ceiling construction. 1,856,575; May 3.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,851,741; Mar. 29.
Venzie, Frederick M., Philadelphia, Pa. Suspended ceiling construction. 1,854,968; Apr. 19.
Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,855,016; Apr. 26.
Venzie, Frederick M., Philadelphia, Pa. Partition and ceiling construction. 1,856,674; May 3.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,860,398; May 31.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,860,399; May 31.
Venzie, Frederick M., Philadelphia, Pa. Suspended ceiling construction. 1,861,615; June 7.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,862,127; June 7.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,862,728; June 14.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,863,734; June 21.
Venzie, Frederick M., Philadelphia, Pa. Ceiling construction. 1,864,965; June 28.
Venzie, Frederick M., Philadelphia, Pa. Plaster board. 1,877,209; Sept. 13.
Venzie, Frederick M., Philadelphia, Pa. Plaster board. 1,878,611; Sept. 20.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,879,757; Sept. 27.
Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,885,496; Nov. 1.
Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,891,511; Dec. 20.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,891,512; Dec. 20.
Venzie, Frederick M., Philadelphia, Pa. Floor structure. 1,891,513; Dec. 20.
Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,892,225; Dec. 27.
Venzlaff, Richard R. W., and O. F. Buck, Berlin, Germany. Endless traction belt. 1,869,290; July 26.
Vera, Roberto G. (See Moreno, F. L., and Vera.)
Vercelli, Alfredo J., Buenos Aires, Argentina. Container and case combined for use as a lipstick. 1,885,654; Nov. 1.
Verbyla, Albert E., Newark, N. J. Preparing pigment compositions. 1,870,186; Aug. 2.
Verderber, Joseph, Cleveland, Ohio. Locking mechanism. 1,858,065; May 10.
Verderber, Joseph, Cleveland, Ohio. Locking mechanism. 1,858,066; May 10.
Verderna, Joseph M., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Graining ink. 1,851,469; Mar. 29.
Verderna, Joseph M., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Finishing surfaces. 1,851,470; Mar. 29.
Vereinigte Eisenbahn-Signalwerke G. m. b. H. (See Wenzel, Karl E., assignor.)
Vereinigte Schuhfabriken Berneis-Wessels A.-G. (See Berneis, Bruno, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Brandt, Leopold, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Killing, Arthur, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Klinkenberg, Adolf, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Köhler, Wilhelm, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Kosfeld, Wilhelm, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Meyer, Hans, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Nell, Bernhardt, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Schlegries, E., and Iscbeck, assignors.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Schulz, E. H., and Löbbecke, assignors.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Van Royen, Herman J., assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Wenzel, Karl E., assignor.)
Vereinigte Stahlwerke Aktiengesellschaft, the Firm. (See Klöpper, Julius, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft, the Firm. (See Stein, Gustav, assignor.)
Vereinigte Zwieseler & Pirnaer Farbenglaswerke A. G. (See Voelskow, Arthur, assignor.)
Ve Relle, William H., Philadelphia, Pa. Necktie. 1,891,630; Dec. 20.
Ve Relle, William H., Philadelphia, Pa. Tie. 1,864,265; June 21.
Verge, Mark E., et al. (See Stassart, Joseph D., assignor.)
Verity, William J., Brantford, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Rear wheel construction for plows. 1,865,598; July 5.
Verkuil, Leondert. Slates, Holland, N. Y. Stone cutting machinery. 1,888,895; Nov. 22.
Verlinden, Edmond, Milwaukee, Wis. Musical instrument control. 1,874,663; Aug. 30.
Vermeulen, Aurèle, Los Angeles, Calif. Fishing device. 1,850,296; Mar. 22.
Vermeulen, Roelof, Eindhoven, Netherlands, assignor to The Radio Corporation of America, New York, N. Y. Loud speaker. 1,859,758; May 24.
Vermeulen, Roelof, Eindhoven, Netherlands, assignor to Radio corporation of America. Magnet system for converting electric oscillations into acoustic ones or conversely. 1,876,113; Sept. 6.
Vermillion, Charles O. (See Rudolph, C. F., and Vermillion.)
Vermillion, Paul B., and A. C. Koontz, Kansas City, Mo. Car moving device. 1,861,070; May 31.
Vermilya, James N., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Laundry machine. 1,842,777; Jan. 26.
Vermilye, Sherwood. (See Lessauer, A. W., and Vermilye.)
Vernam, Gilbert S., River Edge, N. J., assignor to International Communications Laboratories, Incorporated. Telegraph repeater system. 1,850,248; Mar. 22.
Vernam, Gilbert S., River Edge, N. J., assignor to International Communications Laboratories, Inc. Telegraph repeater. 1,868,678; July 26.
Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Multiplex telegraphy. 1,874,664; Aug. 30.
Vernam, Gilbert S., Riveredge, N. J., E. F. Watson, Larchmont, and D. B. Perry, Yonkers, N. Y., assignors to American Telephone and Telegraph Company. Apparatus and method for electrical transmission of pictures. 1,851,072; Mar. 29.
Vernam, Gilbert S., Hackensack, N. J., and F. G. Hallden, Bellerose, N. Y., assignors to International Communications Laboratories, Inc., New York, N. Y. Recording printer. 1,873,080; Aug. 23.
Vernay, Jean B., Villeurbanne, France. Filtering apparatus. 1,887,471; Nov. 8.
Vernet, John H. Oak Park, Ill. Heating device. 1,888,400; Nov. 22.
Vernet, Waldemar, assignor to Rubberean Products Inc., New York, N. Y. Method and apparatus for forming receptacles from sponge rubber. 1,868,932; July 26.
Vernon, Aaron K., Flushing, N. Y. Advertising clock. 1,871,204; Aug. 9.

Vernon, Francis W., Vancouver, British Columbia, Canada. Valve gear. 1,892,226; Dec. 27.
Vernon R., Limited. (See Saunders, Leslie O., assignor.)
Vernon, William, Kingsbury, and S. Thomas, Nuneaton, England. Coal and like cutting machine. 1,846,574; Feb. 23.
Vernon, William F., Newton, Iowa. Mounting means for a sign or the like. 1,885,020; Oct. 29.
Vernooy, Reinier, assignor of one-half to J. J. van den Berg, Utrecht, Netherlands. Crank attachment for door locks. 1,847,797; Mar. 1.
Vernor, James, Company. (See Doughty, William E., assignor.)
Versen, Kurt. (See Howell, Theodore L., assignor.)
Versillé, Pierre. (See Defrance, A., and Versillé.)
Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Corset. 1,843,908; Feb. 2.
Vertemati, Dominico, et al. (See Totti, Charles, assignor.)
Verzilio, Jack, and A. Yodice, New York, N. Y. Four blade propeller. 1,888,056; Nov. 15.
Vesper, Howard. (See Crane, F. L., Vesper, and Griffith.)
Vest, Clarence D. (See Bourn, F. J., Crane, and West.)
Vest, Clarence E., Troutdale, Oreg. Reel. 1,886,209; Nov. 1.
Vesta Battery Corporation. (See Angel, Chester M., assignor.)
Vestal, Albert H. (See Malone, Adolph W., assignor.)
Vestvold, Rolf F., Haverford, Pa. Aeroplane. 1,841,164; Jan. 12.
Vettel, Albert. (See Weaver, G. E., and Vettel.)
Vetter, Homer J., Newton, Kans. Combination comb and brush. Des. 86,422; Mar. 1.
Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 86,815; Apr. 19.
Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 88,326; Nov. 15.
Vetter, Louis J., Attleboro, Mass., assignor to B. A. Ballou & Co., Inc. Clasp. 1,858,387; Apr. 12.
Vetter, Phillipp, Oakland, Calif. Jack turning and boring attachment. 1,849,512; Mar. 15.
Vetter, Walter, Baltimore, Md. Clothespin. 1,855,655; Apr. 26.
Vettori, Marina, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,423; Mar. 1.
Veszkenyi, Louis, Cleveland, Ohio. Producing an artificial wood composition. 1,875,187; Aug. 30.
Viaudey, Roger P. E., Paris, France. Rear seat windscreen. 1,882,189; Oct. 11.
Vibber, Wheeler H., New London, Conn. Conduit cap. 1,888,645; Nov. 22.
Viber Company Limited. (See Wilson, Thomas H., assignor.)
Vibroscope, Inc. (See Davey, Peter, assignor.)
Vicbridge Lamp Company, The. (See Pearlman, Victor S., assignor.)
Vick, Clarence M., Monterey Park, Calif. Ball cock control and silencer. 1,859,282; Jan. 19.
Vickerman, Robert E., Philadelphia, Pa. Loom spool. 1,849,857; Mar. 15.
Vickerman, Robert E., Philadelphia, Pa. Tuft yarn spool and making the same. 1,887,342; Nov. 8.
Vickerman, Robert E., Philadelphia, Pa., assignor to Acme Axminster Loom Spool Company, Incorporated, New York, N. Y. Spooling machine. 1,849,858; Mar. 15.
Vickerman, Robert E., Philadelphia, Pa., assignor to Acme Axminister Loom Spool Company, Incorporated, New York, N. Y. Threading machine. 1,855,810; Apr. 26.
Vickers-Armstrongs Limited. (See Carden, John V., assignor.)
Vickers-Armstrongs Limited. (See Larsson, C. A., and Higson, assignors.)
Vickers-Armstrongs Limited. (See Nasmith, John I., assignor.)
Vickers-Armstrongs Limited. (See Watson, John P., assignor.)
Vickers (Aviation) Limited. (See Wallis, Barnes N., assignor.)
Vickers, Harry F., Los Angeles, Calif. Valve. 1,855,433; Apr. 26.
Vickers, Harry F., Los Angeles, Calif. Press. 1,855,434; Apr. 26.
Vickers, Harry F., Los Angeles, Calif. High speed pump. 1,878,736; Sept. 20.
Vickers, Harry F., Detroit, Mich. Variable volume pump. 1,877,091; Sept. 13.
Vickers, Harry F., Detroit, Mich. Machine tool. 1,883,166; Oct. 18.
Vickers, Harry F., Detroit, Mich. Hydraulic apparatus for motor vehicles. 1,890,010; Dec. 6.
Vickers, Harry H., St. Albans, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,876,183; Sept. 6.
Vickers, John H., Hudson, assignor to International Bitumenoil Corporation, New York, N. Y. Retort. 1,881,153; Oct. 4.
Vickers, Richard N. (See Kniss, F. C., and Vickers.)
Vickers, William H., Liberal, Kans. Burglar alarm. 1,844,726; Feb. 9.
Vickers, William H., Liberal, Kans. Collar device. 1,862,444; June 7.
Vickery, Charles H., Pittsfield, Mass. Indicating mechanism for motor cars and the like. 1,878,035; Sept. 20.
Vickery, Frederick W., London, England, assignor to Vickery Incorporated, Doctor for paper-making machinery. 1,883,167; Oct. 18.
Vickery Incorporated. (See Vickery, Frederick W., assignor.)
Vickery, Ralph W. E., Marshfield, Mass. Electric steam generator. 1,862,071; June 7.
Vicki, Feiix J., Paris, France. Face powder feeder. 1,875,834; Sept. 6.
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Victor Adding Machine Company. (See Johantgen, Oliver D., assignor.)
Victor, Alexander F., New York, N. Y. Adjustable reel arm for motion picture apparatus. 1,855,267; Apr. 26.
Victor, Alexander F., New York, N. Y. Film tension control. 1,855,268; Apr. 26.
Victor, Alexander F., New York, N. Y. View finder and leveler. 1,855,269; Apr. 26.
Victor, Benjamin J. (See August, A. A., and Victor.)
Victor, Benjamin J., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Safety attachment for punch presses. 1,865,806; July 5.
Victor Brass Manufacturing Company, The. (See McNamara, William V., assignor.)
Victor Chemical Works. (See Lindberg, Nils C., assignor.)
Victor Chemical Works. (See Lindberg, N. C., and McDonald, assignors.)
Victor Chemical Works. (See Noyes, Harry F., assignor.)
Victor Chemical Works. (See Waggaman, W. H., and Easterwood, assignors.)
Victor Chemical Works. (See Weigel, Rothe, assignor.)
Victor Chemical Works. (See Woodstock, W. H., and McDonald, assignors.)
Victor Iron Works, Inc. (See Edwards, Hilding, assignor.)
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,864,328; June 21.
Victor Manufacturing and Gasket Company. (See August, A. A., and Victor, assignors.)
Victor Manufacturing & Gasket Company. (See Heinze, William A., assignor.)
Victor Manufacturing & Gasket Company. (See Heinze, W. A., and Liston, assignors.)
Victor Manufacturing & Gasket Co. (See Oven, Frank J., assignor.)
Victor Manufacturing and Gasket Company. (See Sutcliffe, Edwin A., assignor.)
Victor Manufacturing & Gasket Company. (See Victor, Benjamin J., assignor.)
Victor Manufacturing & Gasket Company. (See Victor, John H., assignor.)
Victor Metal Products Corporation. (See Prussing, Walter, assignor.)
Victor Pharmacal Company. (See Kline, Elmer V., assignor.)
Victor Ring Traveler Company. (See Hull, John E., assignor.)
Victor Ring Traveler Company. (See Jerome, Edwin R., assignor.)
Victor Safe & Equipment Company, The. (See Tussing, Reginald M., assignor.)
Victor Talking Machine Company. (See Tedham, William F., assignor.)
Victor X-Ray Corporation. (See Wantz, Julius B., assignor.)
Victorson, Morris, assignor to Victorson Manufacturing Corporation, New York, N. Y. Hanger support. 1,858,533; May 17.
Victorson Manufacturing Corporation. (See Victorsohn, Morris, assignor.)
Victory Valves Limited. (See Bolton, E. A., and Gray, assignors.)
Victory Valves Limited. (See Gray, T. F., and Bolton, assignors.)
Vidal, Charles H., Gerrards Cross, England. Mechanically actuated reciprocating tool. 1,842,302; Jan. 19.
Vidrine, Wilfred B., Lake Charles, La. Combination shade, curtain, and drape hanger. 1,854,835; Apr. 19.
Vidrio Products Corporation. (See Goldblatt, Henry J., assignor.)
Viehmann, Louis J., Douglaston Manor, assignor to Teepe-Whitney Corporation, Long Island City, N. Y. Table. 1,892,656; Dec. 27.
Vieneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Coil winding machine. 1,884,409; Oct. 25.
Vierling, Karl. (See Gunther, F., Vierling, and Pungs.)
Vierling, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Extraction of organic substances. 1,887,050; Nov. 8.
Vieser, Albert, Dallas, Tex. Gas producer. 1,864,966; June 28.
Viet, Paul. (See Thomas, Louis, assignor.)
Viets, Floyd H., Glendale, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for visual measurement of concentration of suspended material in gases. 1,883,168; Oct. 18.
Vieweg, Karl, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Preparation of an α-chloro-pyridine. 1,855,119; Apr. 19.

Viggiano, Peter, Shinnston, W. Va. Salt and pepper shaker. Des. 87,946; Oct. 11.
Vigilant Automatic Fire Alarm Company Limited, The. (See Dixon, T. S., and Simpson, assignors.)
Vignaux, Bernard L., jr., and M. Roberts, San Francisco, Calif. Egg packing apparatus. 1,874,393; Aug. 30.
Vigne, Albert, Webster Groves, assignor to National Bearing Metals Corporation, St. Louis, Mo. Trolley. 1,843,963; Feb. 9.
Vigne, Albert, assignor to National Bearing Metals Corporation, St. Louis, Mo. Bearing. 1,859,608; May 24.
Vigneron, Jean B. J. A., La Rochelle, France, assignor to V. D. Limited, London, England. Trawl gear. 1,867,196; July 12.
Vigneron, Jean B. J. A., La Rochelle, France, assignor to V. D. Limited, London, England. Towing device for trawl nets. 1,880,059; Sept. 27.
Vigneron, Jean B. J. A., La Rochelle, and P. H. Ficheux, Boulogne-sur-Mer, France, said Vigneron assignor to V. D. Limited, London, England. Manufacture of fishing nets. 1,853,524; Apr. 12.
Vigneu, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Treating metal surfaces with acid solutions. 1,843,653; Feb. 2.
Vigneu, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Preserving metallic surfaces. 1,855,035; Apr. 19.
Vigren, Sten D. (See Blomberg, K. H., and Vigren.)
Vigren, Sten D., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Switching arrangement in telephone plants. 1,855,074; Apr. 19.
Vilta, Iver, Cle Elum, Wash. Clam digger. 1,862,777; June 14.
Vilken, Antonius J. (See Beidler, D. C., and Vilken.)
Vilken, Nils J. (See Butterworth, A., and Vilken.)
Viking Manufacturing Company. (See Erickson, John A., assignor.)
Viking Manufacturing Company. (See Rayberg, Andrew, assignor.)
Viking Products Corporation. (See Wolfson, Albert L., assignor.)
Viking Pump Company. (See Jensen, Amos V., assignor.)
Viking Pump Company. (See Petersen, Peter C., assignor.)
Vile, Norman J., assignor to The American Hardware Corporation, New Britain, Conn. Driving device for speed indicators. 1,850,249; Mar. 22.
Villain, Paul, Dulwich, London, England. Manufacture of transparent or opaque toilet and medicated soaps. 1,887,745; Nov. 15.
Villani, James, Ridgewood, N. J. Textile fabric or the like. Des. 88,692; Dec. 13.
Villani, James, Ridgewood, N. J. Textile fabric or the like. Des. 88,693; Dec. 13.
Villemure, Joseph, Newberry, Mich. Clothes rack. 1,851; Apr. 5.
Villinger, William E., Williamsport, Pa. Hair waving device. 1,864,383; June 21.
Villochi, John A., Easton, Pa. Dispensing container. 1,880,153; Sept. 27.
Vilter Manufacturing Company, The. (See Baars, Ernst S. H., assignor.)
Vilter Manufacturing Company, The. (See Coes, Frederic T., assignor.)
Vilter Manufacturing Company, The. (See Nelson, Alfred M., assignor.)
Vilter Manufacturing Company, The. (See Sloan, Harry, assignor.)
Vilter Manufacturing Company, The. (See Stanyo, Desider, assignor.)
Vincent, Harold B., assignor to The R. Thomas & Sons Company, East Liverpool, Ohio. Apparatus for protecting supporting insulators on power lines. 1,854,083; Apr. 12.
Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive valve mechanism. 1,865,547; July 5.
Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive. 1,869,208; Sept. 20.
Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive auxiliary port controlling means. 1,878,209; Sept. 20.
Vincent, Howell S., Brookline, Mass. Apparatus for cooking and drying. 1,843,851; Feb. 2.
Vincent, James A., Providence, R. I. Automatic safety control for motor vehicles. 1,857,897; May 10.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,851,655; Mar. 29.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,855,500; Apr. 26.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,869,122; July 26.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,878,210; Sept. 20.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle transmission. 1,878,556; Sept. 20.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,880,609; Oct. 4.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,880,610; Oct. 25.
Vincent, Jesse G., and A. Moorhouse, assignors to Packard Motor Car Company, Detroit, Mich. Transmission synchronizing device. 1,857,222; May 10.
Vincent, John H., Kalamazoo, Mich., assignor to Western Tablet & Stationery Corporation, Dayton, Ohio. Drier for printed sheets and the like. 1,853,478; Apr. 12.
Vincent, Laurence A., Pleasantville, assignor, by mesne assignments, to New Castle Refractories Company, New Castle, Pa. Device for supporting tableware in a kiln. 1,860,374; May 31.
Vincent, Louis H., assignor of one-half to J. C. Leavens, Santa Paula, Calif. Educational apparatus. 1,862,872; June 14.
Vincent, Orville L., Chicago, Ill., assignor, by mesne assignments, to Consolidated Signal Company. Signal. 1,856,435; Nov. 8.
Vincent, Orville L., Chicago, Ill. Automatic gate. 1,888,057; Nov. 15.
Vincent, Orville L., Chicago, Ill. Electrically operated automatic crossing gate. 1,888,058; Nov. 15.
Vinding, Laura R., Chicago, Ill. Folding table. 1,884,411; Oct. 25.
Vineberg, Joseph H., Montreal West, Quebec, Canada. Garment hanging and packaging device. 1,866,241; July 5.
Vingheroets, Louis, Grand Rapids, Mich. Starter for internal-combustion engines. 1,840,547; Jan. 12.
Vingheroets, Louis, Grand Rapids, Mich. Airplane loading station. 1,856,446; May 3.
Vinnick, William, Whitesboro, Tex. Dushing, N. Y. Cutting implement. 1,863,424; June 14.
Vinson, George J., assignor of one-half to W. E. Going, Stillwater, Okla. Safety steam regulator. 1,849,601; Mar. 15.
Vinson, William A., Baltimore, Md. Mechanical toy. 1,887,237; July 12.
Vinther, Carl J., Berkeley, Calif. Combined incense burner and container. 1,851,742; Mar. 29.
Vinten, William, London, England. Cinematographic film feed mechanism. 1,891,585; Dec. 20.
Viola, Renzo, New York, N. Y. Educational toy piano. 1,848,855; Mar. 8.
Virag, Alexander, Townsend, Del. Shipping basket. 1,880,610; Oct. 4.
Virchow, Frank, Waterloo, Wis. Kitchen cabinet. 1,884,412; Oct. 25.
Virck, Paul. (See Heimann, H., and Virck.)
Virck, Paul, Wolfen, near Bitterfeld, and Georg Matzdorf, Dessau in Annhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dye. 1,873,514; Aug. 23.
Virden, John C., Company. (See Wing, Clarence G., assignor.)
Virzi, John B., Washington, D. C. Sash window. 1,859,187; May 17.
Virgile, Gabriel, Long Beach, N. Y. Textile fabric or the like. Des. 88,694; Dec. 13.
Virginia Smelting Company. (See Binns, F. W., and Jurie, assignors.)
Virkus, George. (See Watt, E. D., Irwin, and Virkus.)
Virneburg, George, New York N. Y. Cleaning and massaging device. 1,852,991; Apr. 5.
Virneburg, George, New York, N. Y. Frying pan. 1,855,075; Apr. 19.
Virneburg, George, New York, N. Y. Washing implement. 1,857,989; May 10.
Viry, Pierre, Chatellerault, France. Automatic rotary machine heating by induction. 1,885,966; Nov. 1.
Viry, Pierre, Chatellerault, France. Automatic machine heating by induction. 1,891,699; Dec. 20.
Vischer, Alfred, jr., Ridgewood, N. J., assignor to The Financial Press Companies of America, Boston, Mass. News ticker casing or stand. Des. 87,174; June 14.
Vischer, Alfred, jr., Ridgewood, N. J., assignor, by mesne assignments, to The Financial Press Companies of America, Boston, Mass. Type wheel mounting for printing telegraphs. 1,863,329; June 14.
Visconti, Pietro B., New York, N. Y. Electric radiator. Des. 86,186; Feb. 9.
Viscose Company, The. (See Johnson, Henry, assignor.)
Vise, Elmer L., Indianapolis, Ind. Farm plow appliance. 1,852 908 Apr. 5.
Visible Night-and-Day Street-Name Signs, Incorporated. (See Gatchell, Helen C., assignor.)
Visking Corporation, The. (See De Cressey, Haswell R., assignor.)
Visking Corporation, The. (See Dietrich, Harold E., assignor.)
Visking Corporation, The. (See Henderson, William F., assignor.)
Visking Corporation, The. (See Henderson, W. F., and Dietrich, assignors.)
Visking Corporation, The. (See Voss, Julius, assignor.)
Visking Corporation, The. (See Voss, J., and Schade, assignors.)

Vispo, Antonio, New York, N. Y. Automatic door opening device. 1,842,888; Jan. 26.

Vitalba, Leo, assignor to Fiat Societa Anonima, Turin, Italy. Change speed mechanism. 1,885,967; Nov. 1.

Vitali, Steven, Plains, Pa. Display sign support.

Vitamin Company of America, The. (See Alexander, Elliot R., assignor.)
1,851,608; Mar. 29.

Vitamin Food Co. Inc. (See Allyn, Lewis B., assignor.)

Vitapack Corporation. (See Rector, Thomas M., assignor.)

Vitelli, Frank, Chicago Heights, assignor to Inland Steel Company, Chicago, Ill. Bending machine. 1,863,513; June 14.

Vitter Manufacturing Company, The. (See Simson, Adolf P., assignor.)

Vitou, Maurice, Troyes, France. Needle-holding handle. 1,871,099; Aug. 9.

Vitreous Enameling Company. (See Frost, John G. G., assignor.)

Vitrolite Company. (See Gibian, Eric H. assignor.)

Vitrolite Company, The. (See Thurn, Walter N., assignor.)

Vito, Ben, Chicago, Ill. Tympani stick. 1,892,416; Dec. 27.

Vitu, James E., assignor to Well Pump Co., Chicago, Ill. Centrifugal pump. 1,867,290; July 12.

Viverett, Lance L., Union, Miss. License tag mounting. 1,839,816; Jan. 5.

Vivian, George C., London, assignor of one-half to T. B. Ford Limited, High Wycombe, Buckinghamshire, England. Fountain pen. 1,862,586; June 14.

Vivian, Harry C. See Boland, J. E., and Vivian.)

Vivid. Incorporated. (See Flanigan, John J., assignor.)

Vlahek, Charles D., East St. Louis, Ill. Method of and means for forming valve seats. 1,891,460; Dec. 20.

Vlahov, George, assignor to J. Holtzman, New York, N. Y. Toy aeroplane. 1 852,340; Apr. 5.

Vlchek, Frank J., assignor to The Vlchek Tool Company, Cleveland, Ohio. Tool. 1,841,688; Jan. 19.

Vlchek, Frank J., assignor to Vlchek Tool Company, Cleveland, Ohio. Manufacture of swedged and tempered articles. 1,866,827; July 12.

Vlchek, Frank J., assignor to The Vlchek Tool Company, Cleveland, Ohio. Drop hammer. 1,868,476; July 19.

Vlchek, Tool Company, The. (See Kneier, Joseph, assignor.)

Vlchek Tool Company, The. (See Koster, Edward C., assignor.)

Vlchek Tool Company, The. (See Vlchek, Frank J., assignor.)

Vock, William A., et al. (See Smith, William A., assignor.)

Vock, William A., and F. M. Boswell, Long Beach, Calif. Rotary polishing. 1,839,780; Jan. 5.

Vock, William A., Long Beach, and C. E. Wood, Los Angeles, Calif. Brake construction. 1,863,773; June 21.

Vodon, Ernest Hy., and Chiffers, Manitoba, Canada. Quack grass destroyer. 1,880,611; Oct. 4.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,840,339; Jan. 12.

Vodoz, Frederick W., Wilmette, Ill. Automatic stoking device. 1,863,677; June 21.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,871,638; Aug. 16.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 1,875,783; Sept. 6.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,878,036; Sept. 20.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 1,878,037; Sept. 20.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,878,074; Sept. 20.

Voeller, Fritz. (See Muller, R., and Voeller.)

Voellmecke, Albert, Little Rock, Ark. Helicopter toy. 1,843,636; Feb. 2.

Voelskow, Arthur, Pirna-Zwiesel, assignor to Vereinigte Zwieseler & Pirnaer Farbenglaswerke A. G., Pirna, Germany. Plate glass. Des. 85,089; Apr. 5.

Vogan, Frank M., Canton, assignor to The Reeves Manufacturing Company, Dover, Ohio. Washboard. Des. 86,944; May 10.

Vogan, Frank M., Canton, assignor to The Reeves Manufacturing Company, Dover, Ohio. Feed trough. Des. 86,987; May 17.

Vogel, Carl H., Buffalo, N. Y. Vehicle step. 1,877,152; Sept. 13.

Vogel, Charles P. (See Orthmann, August C., assignor.)

Vogel, Frank H., assignor to The Columbus Vending Company, Columbus, Ohio. Vending machine structure. 1,883,169; Oct. 18.

Vogel, Frank H. and R. A., assignors to The Columbus Vending Company, Columbus, Ohio. Coin controlled vending machine. 1,883,170; Oct. 18.

Vogel, Frederick W., and W. B. Meglitz, assignors to Brown Company, Berlin, N. H. Manufacture of pulp rovings. 1,864,624; June 28.

Vogel, Henry R., Arcadia, Wis. Motor. 1,863,769; June 21.

Vogel, John T., Richmond Hill, N. Y. Table cover. Des. 87,091; May 31.

Vogel, John T., Richmond Hill, N. Y. Napkin. Des. 87,092; May 31.

Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to W. L. Smidth & Co., New York, N. Y. Conveying linegrained materials. 1,889,163; Nov. 29.

Vogel, Joseph A., assignor to Joseph A. Vogel Company, Wilmington, Del. Flush tank for water closet systems. 1,844,995; Feb. 16.

Vogel, Joseph A., Company. (See Vogel, Joseph A., assignor.)

Vogel, Max, Frankfort-on-the-Main, Germany. Stapling machine. 1,846,165; Feb. 23.

Vogel, Paul R., Chicago, Ill. Card holding device. 1,850,362; Mar. 22.

Vogel, Walter, assignor to the Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Synchronizing device for paper machines. 1,846,770; Feb. 23.

Vogel, William M. (See Fitch, John, assignor.)

Vogel, Willis A., Toledo, Ohio. Decorative outlining. 1,867,900; July 19.

Vogeley, Theodore K., Butler, Pa. Conveyer apparatus. 1,847,148; Mar. 1.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,118; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,119; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,120; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,121; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,122; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,123; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,124; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,125; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,126; Oct. 25.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,127; Oct. 25.

Vogelman, Philip A., New York, N. Y. Textile fabric. Des. 88,491; Nov. 29.

Vogelman, Philip A., New York, N. Y. Textile fabric. Des. 88,611; Dec. 6.

Vogelman, Philip A., assignor to William Wilheim Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 88,695; Dec. 13.

Vogelman, Philip A., New York, N. Y. Textile fabric. Des. 88,696; Dec. 13.

Vogelman, Philip A., New York, N. Y. Textile fabric. Des. 88,697; Dec. 13.

Vogl, Hugo, Prague, Czechoslovakia. Screw vise. 1,887,329; Nov. 15.

Vogl, Otto, assignor to Chicago Printed String Co., Chicago, Ill. Spool holder or similar article. Des. 86,988; May 17.

Vogler, Max P., assignor to Walter Fred Hosiery Mills, Inc., Nashville, Tenn. Hosiery. Des. 87,372; July 12.

Vogimayer, Maximilian, Vienna, Austria. Folding, closing, and opening letters rendered inaccessible without envelopes. 1,855,656; Apr. 26.

Vogisamer, Peter, Munich, Germany, assignor to Technik und Investment Aktiengesellschaft Vaduz, Liechtenstein. Metering apparatus for mixing machines. 1,868,549; July 26.

Vogt, Arthur H., Aurora, Ill. Aerial toy. 1,890,759; Dec. 13.

Vogt, Benedict F., Louisville, Ky. Printer's roller and making the same. 1,870,661; Aug. 9.

Vogt, Clarence, Wenonah, N. J. Roller skate. 1,885,158; Nov. 1.

Vogt, Clarence C. (See Smith, D. F., Pieper, and Vogt.)

Vogt, Clarence W., and B. D. Miller, Louisville, Ky., assignors to Vogt Instant Freezers, Inc. Processing apparatus. 1,847,149; Mar. 1.

Vogt, Clarence W., and G. O. Wymond, assignors to Vogt Instant Freezers Incorporated, Louisville, Ky. Can filler. 1,881,106; Oct. 4.

Vogt, Engelbert J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Sliding door lock. 1,846,822; Feb. 23.

Vogt, Engelbert J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Shelf support. 1,852,598; Apr. 5.

Vogt, Gustave L., Philadelphia, Pa. Smoke stick. 1,867,238; July 12.

Vogt, Hans, Berlin-Wilmersdorf, Germany. Sounding condenser, 1,881,107; Oct. 4.
Vogt, Henry, Machine Company. (See Bryant, George R., assignor.)
Vogt, Henry C., New Brunswick, N. J. Automatic alarm and burner control, 1,886,854; Nov. 8.
Vogt Instant Freezers, Inc. (See Vogt, C. W., and Miller, assignor.)
Vogt Instant Freezers Incorporated. (See Vogt, C. W., and Wymond, assignors.)
Vogt, Louis F. (See Swinderman, James L., assignor.)
Vogt Manufacturing Corporation. (See Brown, Albert, assignor.)
Vogt, Richard C., West New York, N. J. Curtain support, 1,857,990; May 10.
Vogt, Richard C., West New York, N. J. Curtain rod, 1,857,991; May 10.
Vogt, Rudolph. (See Walter, J. C., and Vogt.)
Vogue Silk Hosiery Co., The. (See Tait, Samuel, assignor.)
Vohs, Norbert, Munchen-Gladbach, Germany. Woven fabric, 1,890,959; Dec. 13.
Voices, Incorporated. (See Grubman, Leo J., assignor.)
Voight, George F., Oakland, Calif. Toothbrush holder, 1,864,874; June 28.
Voignier, Gustave E., Paris, France. Apparatus for shaping the millstones for rectifying gear teeth, 1,880,612; Oct. 4.
Voigt, Albert, New York, N. Y. Lock, 1,883,171; Oct. 18.
Voigt, Albert, New York, N. Y. Lock, 1,883,172; Oct. 18.
Voigt, George Q., Medford, Mass. Color determination of an object, 1,881,336; Oct. 4.
Voigt & Haeffner Aktiengesellschaft. (See Kurz, Hermann W., assignor.)
Voigt, Julius et al. (See Ruppert, A., Fischer, Voigt, and Hennig.)
Voigt, Richard. (See Kaltenbach, Alois, and Voigt.)
Voigt, Richard C. (See Bohan, M. P. E., and Voigt.)
Voigt, Robert W., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany. Arranging oval cigarettes, 1,890,707; Dec. 13.
Voisard, Incorporated. (See Remy, Earl T., assignor.)
Voit, W. J., Rubber Company. (See Egerer, Frank, assignor.)
Voith, J. M. (See Ehrhart, Josef, assignor.)
Voith, J. M. (See Leib, Jacob, assignor.)
Vokovan, Rudolph Z. (See Delich, Peter, assignor.)
Volansky, John J. (See Larson, M. C., and Volansky.)
Völckner, Ernst, Bernburg, Germany. Vertical tube boiler, 1,851,786; Mar. 29.
Volf, Christian A., jr., Weehawken, N. J., assignor to J. Gundlach, New York, N. Y. Building for use in sound recording, 1,846,534; Feb. 23.
Volf, Christian A., jr., Weehawken, N. J., assignor to M. T. Quigg, New York County, N. Y. Sound resonating device, 1,847,283; Mar. 1.
Volf, Christian A., jr., Weehawken, N. J., assignor to Murray T. Quigg, New York, N. Y. Resonating, modulating, and projecting of sound animated by electrical means, 1,847,284; Mar. 1.
Volf, Christian A., jr., Weehawken, N. J., assignor to M. T. Quigg, New York County, N. Y. Sound resonating and modulating device, 1,847,285; Mar. 1.
Volf, Christian A., jr., Union City, N. J., assignor to M. T. Quigg, New York, N. Y. Rotor, impeller, or the like, 1,873,853; Aug. 23.
Volk, Conrad, Brighton, England. Control mechanism, 1,860,329; June 21.
Volk, Francis M., assignor of one-third to E. P. Peterson and one-third to J. A. Greer, San Francisco, Calif. Rail frog, 1,849,257; Mar. 15.
Volk, Joseph A., South Norwalk, Conn. Shade holder, 1,885,655; Nov. 1.
Volk, Peter, and A. J. Wuebben, assignors to Philip Haas Company, Inc., Dayton, Ohio. Sanitary frostproof hydrant, 1,846,623; Feb. 23.
Volk, Peter, and A. J. Wuebben, assignors to The Philip Haas Company, Inc., Dayton, Ohio. Combined check and cut-off valve for water closets, 1,846,624; Feb. 23.
Volk, Walter C., Rome, assignor to Skenandoa Rayon Corporation, Utica, N. Y. Apparatus for processing yarn, 1,867,197; July 12.
Voll, Edwin. (See Voll, J. and E.)
Voll, Jacob and E., Yankton, S. Dak. Gate, 1,843,053; Jan. 26.
Volland Scenic Studios, Inc. (See Volland, Victor H., assignor.)
Volland, Victor H., Clayton, assignor to Volland Scenic Studios, Inc., St. Louis, Mo. Curtain-operating mechanism, 1,848,086; Mar. 1.
Vollert, William J., Honor, Mich. Mechanical fish bait, 1,847,504; Mar. 1.
Vollmann, Heinrich. (See Kränzlein, G., and Vollmann.)
Vollmann, Heinrich. (See Kranzlein, G., Greune, and Vollman.)
Vollmann, Heinrich. (See Kranzlein, G., Vollmann, and Corell.)
Vollmann, Heinrich. (See Kranzlein, G., Corell, and Vollmann.)
Vollmann, Heinrich. (See Kunz, M. A., Kraenzlein, Koeberle, Corell, Berthold, and Vollmann.)
Vollmer, August, Hilden, Germany. Rolling out a tube with an internal thickening at the rear end from a tubular blank, 1,867,120; July 12.
Vollmerhaus, Ewald, Hagen in Westfalen, Germany. Pipe bending machine, 1,847,200; Mar. 1.
Volrath Co., The. (See Cornell, George M., assignor.)
Volrath, Richard E., Pasadena, Calif. Luminous electrical discharge device, 1,851,532; Mar. 29.
Volney, Max, Berlin-Neubabelsberg, Germany. Recording electric impulses, 1,851,298; Mar. 29.
Volney, Svatopluk C., New York, N. Y. Machine for punching films, 1,891,251; Dec. 20.
Vol-U-Meter Co., The. (See Stevens, Arthur L., assignor.)
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Bit or drill shank, 1,850,287; Mar. 22.
Volz, George A., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery, 1,871,866; Aug. 16.
Volz, Gottlieb W., Long Beach, Calif. Compound valve motion for steam pumping engines, 1,862,873; June 14.
Von Allmen, Samuel, assignor to the Firm Chemical Works Formerly Sandoz, Basel, Switzerland. Easily soluble dyestuffs of the anthraquinone series, 1,885,065; Oct. 25.
Von Alvensleben, George B., Eureka, Calif. Lesson marker and means of holding in book, 1,858,605; May 17.
Von Arco, Graf G., and W. Schaffer, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna, 1,839,426; Jan. 5.
Von Blix, Carlos A., assignor to I. A. Ford, Glendale, Calif. Fuel humidifying device, 1,884,413; Oct. 25.
Von Bramer, Harold, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Double salts and producing them, 1,852,687; Apr. 5.
Von Bramer, Harold, and J. W. Zabriskie, Passaic Junction, N. J., assignors to Eastman Kodak Company, Rochester, N. Y. Production of hydroquinone, 1,880,534; Oct. 4.
Von Brockdorff, Rudolf, Munich, Germany, assignor to Schutte and Koerting Company, Philadelphia, Pa. Electric heater, 1,888,780; Nov. 22.
Von Delwig, Carl. (See Kalling, B. M. S., and von Delwig.)
Von Der Horst, Frederick, assignor to The Tribune Company, Chicago, Ill. Paper roll holding plug, 1,857,901; May 3.
Von der Lippe-Lipski, Elaine, Washington, D. C. Changeable sign, 1,869,066; July 26.
Von Devecis, Michael, Budapest, Hungary, assignor to Waldberg Societe Anonyme, Paris, France. Galvanizing or electroplating process, 1,858,125; May 10.
Von Dombrowski, Kathe, Berlin, Germany. Attaching collars, cuffs, trimmings, etc., to women's dresses, 1,842,702; Jan. 26.
Von Dosky, Alfred, Plauen, Germany. Apparatus for the manufacture of brake linings and the like, 1,859,726; May 24.
Von Eberhard, Kurt, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrode equipment means for electrical precipitators, 1,857,416; May 10.
Von Elmpt, Theodore, Chicago, Ill. Chair, 1,861,331; May 31.
Von Forster, Hermann, Niederursel, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Tube drawing process, 1,888,401; Nov. 22.
Von Frankenberg, Albrecht, Gelsenkirchen, Germany, assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Centrifugal casting machine, 1,892,440; Dec. 27.
Von Frankenberg, Arthur, New York, N. Y. Receptacle, 1,852,035; Apr. 5.
Von Frantzius, Peter, assignor to Hercules Gas-Munitions Corporation, Chicago, Ill. Pistol, 1,842,922; Jan. 26.
Von Frommer, Rudolf, Budapest, Hungary. Charger-loading rifle and charger thereto, 1,840,477; Jan. 12.
Von Frommer, Rudolf, Budapest, Hungary. Trigger and safety mechanism for sporting guns, 1,840,478; Jan. 12.
Von Frommer, Rudolf, Budapest, Hungary. Tool post, 1,887,482; July 12.
Von Frommer, Rudolf, Budapest, Hungary. Sliding cover for automatic firearms, 1,878,038; Sept. 20.
Von Frommer, Rudolf, Budapest, Hungary. Cartridge magazine for small arms, 1,878,039; Sept. 20.
Von Frommer, Rudolf, Budapest, Hungary. Breech bolt for automatic firearms, 1,886,609; Nov. 8.
Von Frommer, Rudolf, Budapest, Hungary. Hand-guard for automatic firearms, 1,892,259; Dec. 27.
Von Gartzen, Joseph H., assignor of forty-nine one hundredths to A. W. Eszan, Preston, Iowa. Door closing device, 1,883,173; Oct. 18.
Von Girsewald, Conway B., and H. Weidmann, Frankfort-on-the-Main, Germany. Working up roasted pyrites containing copper and zinc, 1,846,771; Feb. 23.
Von Girsewald, Conway, Baron, H. Weidmann, and G. Roesner, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of trialkali phosphates, 1,887,445; Nov. 8.
Von Girsewald, Conway F., and H. Weidmann, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of alkali phosphates from metal-phosphorus alloys, 1,891,293; Dec. 20.

Von Girsewald, Conway, Baron, W. Siecke, Frankfort-on-the-Main, and E. Thieler, Bad Homburg Vor Der Hohe, Germany, assignors to American Lurgi Corporation, New York, N. Y. Facilitating the separation of the precipitate of arsenic sulphide. 1,391,294: Dec. 20.

Von Hacht, William H. (See Hughes, L. W., and von Hacht.)

Von Hazmburg, Romulus S., Chester, Pa., assignor to Scott Paper Company. Manufacture of paper. 1,881,985: Oct. 11.

Von Hoorn, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Electric switch. 1,843,937: Feb. 9.

Von Hoorn, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Electric welding machine. 1,853,101: Apr. 12.

Von Hoorn, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Transformer. 1,862,642: June 14.

Von Hoorn, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Welding machine. 1,880,535: Oct. 4.

Von Herz, Edmund, Cologne-Dellbruck, near Cologne-on-the-Rhine, Germany. Initial detonating explosive matter and for the manufacture of detonating caps in accordance therewith. 1,878,652: Sept. 20.

Von Herz, Edmund, Cologne-Dellbruck, Germany, assignor to Remington Arms Company, Inc. Priming mixture. 1,859,225: May 17.

Von Herz, Edmund, Cologne-Dellbruck, and H. Rathsburg, Furth, Germany, assignors, by mesne assignments, to Remington Arms Company, Incorporated, New York, N. Y. Priming composition. 1,859,226: May 17.

Von Hildebrandt, Paul G., assignor to H. B. Salkeld, Pittsburgh, Pa. Apparatus for making pressed wood fiber products. 1,845,533: Feb. 16.

Von Hilderbrandt, Paul G., assignor to H. B. Salkeld, Pittsburgh, Pa. Making wood fiber insulating material. 1,872,533: Aug. 16.

Von Hilvety, George C. S., Buenos Aires, Argentina. System for transmitting motion to the driving wheels of motor cars. 1,858,647: May 17.

Von Hoessle, Carl H., Radebeul, Dresden, assignor to Chemische Fabrik von Heyden, Aktiengesellschaft, Radebeul, near Dresden, Germany. Casting cellulose sheets from solutions of cellulose. 1,892,657: Dec. 27.

Von Hoessle, Carl H., and O. M. Schade, assignors to Chemische Fabrik von Heyden, A. G., Radebeul Dresden, Germany. Drying thin cellulose sheets. 1,890,882: Dec. 13.

Von Hoessle, Carl H. and O. M. Schade, Radebeul-Dresden, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Drying long webs of thin cellulose. 1,890,833: Dec. 13.

Von Hofe, Sebastian, & Co., Schloss, Vienna, Austria, assignors to Aktiengeselschaft C. P. Goerz Optische Anstalt, Actiova Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Finder with an invariable direction of the optical axis of the eyepiece. 1,869,530: Aug. 2.

Von Hohenhoff, Richard W., Baltimore, Md. Fountain shaving brush. 1,872,853: Aug. 23.

Von Hoorn, Fred G., assignor to The Bryant Electric Company, Bridgeport, Conn. Heater circuit and control. 1,867,428: July 12.

Von Issendorff, Jürgen, Berlin-Siemenstadt, and H. Jungmichl, Neu-Finkenkrug, near Spandau, Germany, assignors to Westinghouse Electric and Manufacturing Company. Ignition device for mercury arcs. 1,843,654: Feb. 2.

Von Kando, Kalman, Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company. Cooling system for dynamo-electric machines. 1,853,646: Apr. 12.

Von Kando, Kalman, Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company. Oil seal for dynamo-electric machines. 1,871,286: Aug. 9.

Von Kelar, Arthur E., Brooklyn, N. Y., Collecting, transporting, and dumping refuse, such as garbage. 1,845,369: Feb. 16.

Von Kleist, Peter E., Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Mercury-arc rectifier. 1,867,291: July 12.

Von Köhler, Carl G. O. H., Stockholm, Sweden. Device for guiding out ropes. 1,877,216: Sept. 13.

Von Korschenewsky, Nicolai, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave transmission. 1,841,654: Jan. 19.

Von Kreybig, Rudolf. (See von Veress, Zoltan, assignor.)

Von Le Juge, Serglus, Bremen, Germany. Preheater for boiler feed water. 1,841,200: Jan. 12.

Von Maltzahn, assignor to Julio H. Brassert & Co., Chicago, Ill. Blow pipe for blast furnaces. 1,844,194: Feb. 9.

Von Mattekovich, Rudolf, Auchenflower, near Brisbane, Queensland, Australia. Apparatus for attachment to boilers for the combustion of wet fuel such as megass and the like. 1,842,277: Jan. 19.

Von Mehren, Oswald D., New York, N. Y., assignor to Mehren Lock Co., Inc., Clifton, N. J. Bolt operating mechanism for locks. 1,876,803: Sept. 13.

Von Meister, Fredrick W., New York, N. Y. Container for cigarette packages. 1,860,637: May 31.

Von Nessen, Walter, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Smoker's stand. Des. 87,895: Oct. 4.

Von Nessen, Walter, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Book end or similar article. Des. 88,832: Dec. 27.

Von Nessen, Walter, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Book end or similar article. Des. 88,833: Dec. 27.

Von Nessen, Walter, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Book end or similar article. Des. 88,834: Dec. 27.

Von Ohlsen, Louis H., New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Automatic train control. 1,866,139: July 5.

Von Ohlsen, Louis H., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Elastic belt. 1,867,039: July 12.

Von Okolicsanyl, Franz, Berlin-Wilmersdorf, and G. Wikkenhauser, Berlin-Halensee, assignors to Telehor Aktien-Gesellschaft, Berlin-Charlottenburg, Germany. Picture scanning and assembling device for television and picture transmission. 1,872,472: Nov. 8.

Von Pap, Alexander. (See Conn-Bing W., and von Pap.)

Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,866,118: Aug. 30.

Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,867,113: Aug. 30.

Von Plotrowski, Waclaw, and J. Winkler, assignors to Galicyjskie Towarzstwo Naftowe "Galicja" S. A., Drohobycz, Poland. Separating valuable compounds from the refining wastes of cracked products, particularly cracked benzines. 1,869,231: July 26.

Von Platen, Baltzar C. G., Stockholm, Sweden, assignor to Limited, St. Helens, Lancaster, England. Grinding and polishing glass plates. 1,850,946: Mar. 22.

Von Platen, Baltzar C. G., Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,864,562: June 28.

Von Przyszcz, William. (See Pick-Ip, and von Przyszcz.)

Von Radics, Max, and R. Lasker, Springfield, Mass.

Von Radowitz, Wilhelm. (See Fluck, R., and Theil, assignors.)

Von Reiche, Ludwig, and J. Giersbach, Oberscheld (Dillkreis), Germany. Proceeding and arrangement for making of foamy dry dross. 1,843,943: Nov. 22.

Fountain shaving brush. 1,849,893: Mar. 15.

Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to the American Bicheroux Company. Glass take-off mechanism. 1,846,004: Feb. 23.

Von Reis, Lambert, Herzogenrath, Germany, assignor to Electrolux Servel Corporation, New York, N. Y. Thermodynamic process. 1,846,818: Feb. 23.

Von Reis, Lambert, Herzogenrath, Germany, assignor to Societe Anonyme des Ateliers Heuze, Malevez et Simon Reunis, Auvelais, Belgium, and Pilkington Brothers Limited, St. Helens, Lancaster, England. Grinding and polishing glass plates. 1,850,946: Mar. 22.

Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Roller conveyer for glass plates. 1,868,860: July 26.

Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Method and device for grinding glass plates and other articles. 1,879,720: Sept. 27.

Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Roller conveyor for glass plates. 1,889,082: Nov. 29.

Von Salis, Eduard, assignor to the Firm Sulzer Freres Société Anonyme, Winterthur, Switzerland. Fuel injection device for internal combustion engines. 1,843,410: Feb. 2.

Von Salis, Eduard, assignor to the Firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Control of fuel injection mechanism for internal combustion engines. 1,850,250: Mar. 22.

Von Sigmond, Elek, Budapest, Hungary. Composition for neutralizing alkaline soil and method of preparing same. 1,875,281: Aug. 30.

Von Soden-Fraunhofen, Alfred G., and H. F. von Thüngen, assignors to Jobnradfabrik Aktiengeselschaft, Friedrichshafen, Friedrichshafen, Germany. One-way drive power transmission. 1,856,007: Apr. 26.

Von Stern, Hans O. H. (See Uhlich, C. R., and von Stern.)

Von Stumm, Herbert, Rohlstorf, near Segeberg, Germany. Vehicle auxiliary lamp. 1,876,604: Sept. 13.

Von Teschenbrück, Mano Z., assignor of one-half to K. Mayer, Basel, Switzerland. Photographic reproduction apparatus. 1,841,220: Jan. 12.

Von Thüngen, Hubert F. (See von Soden-Fraunhofen, A. G., and von Thüngen.)

Von Till, Louis A., Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Container cap or similar article. Des. 86,816: Apr. 19.

Von-Tothfalussy, Ladislaus, Berlin-Charlottenburg, and R. Naacke, Zillerthal, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Starting the spinning in box spinning machines. 1,855,004: Apr. 19.

Von Veress Zoltán, assignor of one-half to R. von Kreybig, Budapest, Hungary. Glass. 1,842,772; Jan. 26.
Von Wangenheim, Adolf, and O. G. Gradhe, assignors to Detroit Lubricator Company, Detroit, Mich. Valve. 1,843,068; Jan. 26.
Von Webern, Guido, and E. W. Hamant, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Work supporting and decorating method and apparatus. 1,863,816; June 21.
Von Webern, Guido, and E. W. Hamant, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Grained varnishing. 1,863,817; June 21.
Von Wedel, Carl J. R. H., Berlin, Germany, assignor to Electrons, Inc. Electric discharge device. 1,873,683; Aug. 23.
Von Wedel, Carl J. R. H., Berlin, Germany, assignor, by mesne assignments, to Electrons, Inc. Discharge tube fabrication. 1,883,174; Oct. 18.
Von Wilmowsky, Felix F., New York, N. Y. Apparatus for heating, cooling, and regulating the temperature of buildings. 1,856,797; May 3.
Von Wrizki, Leo, San Francisco, Calif. Receptacle. 1,873,081; Aug. 23.
Voorhees, Lee G., Long Island City, N. Y., assignor to Oxweld Acetylene Company. Storage gasometer. 1,878,211; Sept. 20.
Voorhees, Lee J., Long Island City, N. Y., assignor to National Carbon Company, Inc. Flash light. 1,859,481; May 24.
Voorhees, Lee J., Long Island City, N. Y., assignor to National Carbon Company, Inc. Battery box. 1,879,595; Sept. 27.
Voorhees, Vanderveer, Hammond, assignor to Standard Oil Company, Whiting, Ind. Antiknock gasoline. 1,848,081; Mar. 8.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Separating wax from oil. 1,873,674; June 14.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Surge pump. 1,869,874; Aug. 2.
Voorhees, Vanderveer, and M. A. Youtz, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Concentrating olefines. 1,875,311; Aug. 30.
Voorhees, Joseph T., assignor to Coen Company, Inc., Los Angeles, Calif. Liquid atomizer. 1,884,931; Oct. 25.
Voorhies, Grantland B., assignor to Federal Milk Company, San Francisco, Calif. Spray drying apparatus. 1,874,060; Aug. 30.
Voorhoeve, Nicolaas, A. J., Eindhoven, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Voltage regulating device for supply systems comprising variable speed-dynamos. 1,845,896; Feb. 16.
Voorhoeve, Nicolaas A. J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for regulating alternating currents. 1,857,576; May 10.
Voorhoeve, Nicolaas A. J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Transformer. 1,857,577; May 10.
Voorwinde, Willem, Rotterdam, Netherlands. Grab. 1,856,232; May 3.
Voorwinde, Willem, Rotterdam, Netherlands. Automatic gripper. 1,870,538; Aug. 9.
Voorh, Herman C., East Haven, Conn. Electric light bulb holder. 1,843,341; Feb. 9.
Vopel, Johannes, Berlin-Zehlendorf-Mitte, and R. Oetker, Berlin, assignors to Gesellschaft für Elektrische Apparate m. b. H., Marienfelde near Berlin, Germany. Electrical remote control system. 1,890,891; Dec. 13.
Voran Automobilbau-Aktiengesellschaft. (See Bussler, Richard, assignor.)
Vorce, La Fayette D., Montclair, N. J., assignor to Westvaco Chlorine Products, Inc., New York, N. Y. Electrolytic cell. 1,842,703; Jan. 26.
Vorck, Theodore, and P. Zimmerman, Barmen, assignors to Messrs. Jobs. Girmes & Co. Aktiengesellschaft, Oedt, near Krefeld, Germany. Warp-knitting machine. 1,841,165; Jan. 12.
Vorhies, Roy L., assignor of fifty per cent to E. J. Warner, Long Beach, Calif. Milk bottle vending machine. 1,861,071; May 31.
Vorhis, Anthony A., Cincinnati, Ohio, assignor to Voss Bros. Mfg. Company, Davenport, Ia. Wringer. Re18,436; Apr. 19.
Vortex Company. (See Barbieri, Cesare, assignor.)
Vortex Cup Company. (See Getz, Frank, assignor.)
Vortex Cup Company. (See Wood, Andrew C., assignor.)
Vorthmann, Herbert A., Council Bluffs, Iowa. Combination lens and elevator unit. 1,892,495; Dec. 27.
Vortox Manufacturing Company. (See Garner, H. H., Nohavec, and Hopkins, assignors.)
Vorwerk, Theodor, and Paul Hermann. Ribbon for supporting the button of garters. 1,847,880; Mar. 1.
Vorwerk, Wilhelm, Barmen, Germany. Tab for hose or stocking supporters. 1,851,787; Mar. 29.
Vos, George W., New Rochelle, N. Y. Gasoline dispensing pump. Des. 87,607; Aug. 16.
Vos, Herbert A., New York, N. Y. Display stand. Des. 86,690; Apr. 5.
Vos, Mauritz, and H. K. A. Sterky, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Band filter. 1,843,892; Feb. 2.
Vos, Mauritz, and H. K. A. Sterky, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Multiple generator. 1,848,507; Mar. 8.
Vosbikian, Peter S. and T. S., Philadelphia, Pa. Wood scraper. 1,859,226; May 17.
Vosbikian, Thomas S. (See Vosbikian, P. S., and T. S.)
Voss, Alfred E., Hampstead, London, England. Bar pointing machine. 1,842,704; Jan. 26.
Voss, Arthur, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hardened artificial materials and preparing them. 1,866,560; July 12.
Voss, Arthur, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Water-soluble viscous condensation products of aldehydes and preparing them. 1,878,040; Sept. 20.
Voss, Arthur, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hardened artificial materials and preparing them. 1,892,227; Dec. 27.
Voss Bros. Mfg. Company. (See Vorndieke, Anthony A., assignor.)
Voss, Carl H., Sheridan, Wyo. Slide valve and spring therefor. 1,859,811; May 24.
Voss, John, Altona-Osdorf, Germany. Elastic suspension for electric lamps and the like. 1,846,166; Feb. 23.
Voss, John H. (See Lomax, C. E., and Voss.)
Voss, John H., Berwyn, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,858,537; Nov. 22.
Voss, Julius, Wiesbaden-Biebrich, Germany, assignor, by mesne assignments, to The Visking Corporation, Chicago, Ill. Preparing tubular bodies from cellulose. 1,887,446; Nov. 8.
Voss, Julius, and A. Schade, Wiesbaden-Biebrich, Germany, assignors, by mesne assignments, to The Visking Corporation, Chicago, Ill. Apparatus for spinning tubular bodies made of cellulose. 1,873,685; Aug. 23.
Voss, Walter, Berlin-Lichterfelde, Germany. Drop closure for bottles, receptacles, and the like. 1,890,347; Dec. 6.
Voss, Walter K., Davenport, Iowa. Agitator. 1,869,590; Aug. 2.
Voss, William J., Hammond, Ind. Kite controller. 1,870,041; Sept. 20.
Voss, William O., assignor to Martin-Parry Corporation, York, Pa. Refrigeration vaporizer. 1,849,968; Mar. 15.
Vossen, Bartholomaus. (See Wagner, H., and Vossen.)
Vossioh, Karl, Werdohl-in-Westphalia, Germany. Nut lock. 1,868,881; July 26.
Vostrez, Victor, Tobias, Nebr. Combined separator and atomizer for manifolds. 1,873,052; Aug. 23.
Vought, Arthur L., Sparks, Nev. Combination frying pan and cooking oven. 1,862,778; June 14.
Vought, Chance M., Great Neck, N. Y., assignor, by mesne assignments, to Chance Vought Corporation, Hartford, Conn. Aircraft. 1,874,666; Aug. 30.
Voyer, E. O. (See Auger, Joseph T., assignor.)
Vredeburg, J. C. (See Bendiksen, Niels, assignor.)
Vredenburgh, Martin T. H., Brooklyn, N. Y. Radio pad. Des. 87,734; Sept. 6.
Vreeland Corporation. (See Vreeland, Frederick K., assignor.)
Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Corporation, New York, N. Y. Band receiving system. 1,850,073; Mar. 15.
Vroom, Guysbert B., New York, N. Y. Making a brush for cleaning boiler and condenser tubes. 1,883,425; Oct. 18.
Vroom, Robert D. W., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery carrier. 1,855,036; Apr. 19.
Vroom, Robert D. W., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery support. 1,855,037; Apr. 19.
Vroom, Robert D. W., Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y. Curtain hook. 1,887,293; Nov. 10.
Vroom, Robert D. W., Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y. Bracket for curtain rods. 1,884,414; Oct. 25.
Vroman, William S., assignor to The Paine and Williams Company, Cleveland, Ohio. Automobile floor and toe board and the like. 1,884,415; Oct. 25.
Vucassovich, Michel P., Gloucester, Mass. Freezing apparatus. 1,852,095; Apr. 5.
Vuchetich, Frank, Detroit, Mich. Window screen. 1,861,037; Oct. 4.
Vuia, Trajan, Garches, and E. Yvonneau, Paris, France. Steam generator. 1,841,230; Jan. 12.
Vuilleumeir, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. Des. 88,273; Nov. 8.
Vuilleumeir, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 1,887,383; Nov. 8.
Vuilleumier, Albert, assignor to The New Departure Manufacturing Company, Bristol, Conn. Feeding articles to grinding machines. 1,846,601; Feb. 23.
Vujovich, Peter, et al. (See Micheli, Ulissi A., assignor.)
Vulcan Corporation, The. (See Clausing, George, assignor.)
Vulcan Manufacturing Company. (See Meyer, Harvey E., assignor.)

Vulcan Proofing Company. (See Lewis, R. R., and Weiss. assignors.)
Vulcan Soot Cleaner Company, The. (See Arey, Fred C., assignor.)
Vulcan Steel Products Company, The. (See Easter, George C., assignor.)
Vulcanized Rubber Company, The. (See Rugaber, John J., assignor.)
Vultee, Gerald, Detroit, Mich. Retractable landing gear. 1,867,786; July 19.
W-K-M Company. (See Cummings, James D., assignor.)
W-K-M Company. (See Hoffoss, John E., assignor.)
W. and M. Stoker Company, The. (See Walker, Thomas C., jr., assignor.)
Waas, Charles W., St. Paul, Minn. Play vehicle. 1,849,341; Mar. 15.
Wabash Fibre Box Company. (See Miller, Andrew E., assignor.)
Wach, Hans, Wesermunde-Lehe, Germany. Combined reciprocating steam engine and turbine. 1,854,816; Apr. 19.
Wach, Hans, Wesermunde-Lehe, Germany. Reciprocating engine and turbine. 1,854,817; Apr. 19.
Wach, Hans, Bremen, Germany. Steam engine turbo-combination. 1,854,818; Apr. 19.
Wachs, Benjamin, and D. H. Colin, Brooklyn, N. Y. Lock for handbags. 1,884,416; Oct. 25.
Wachsman, Jacob, Brooklyn, N. Y. Knitting machine. 1,845,454; Feb. 16.
Wachsman, Jacob, Brooklyn, N. Y. Stop mechanism for knitting machines. 1,845,455; Feb. 16.
Wachsman, Samuel, New York, N. Y. Liquid container. 1,851,783; Mar. 29.
Wachsmuth, Fred D., Sanford, Tex. Check valve for fluid lifts. 1,868,374; July 19.
Wachter, Joseph, Newark, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Conveyer. 1,853,525; Apr. 12.
Wachter, Joseph, Newark, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Toggle switch. 1,861,649; June 7.
Wachter, Lester. (See Anthony, W. V., and Wachter.)
Wack, Henry K., assignor to John I. Paulding, Inc., New Bedford, Mass. Lighting fixture. Des. 88,591; Dec. 6.
Wacker, Fritz, H. Blum, H. Greisinger, Nuremberg, Germany, and F. R. Dietrich, Pasing, near Munich, Germany. Headlights for vehicles. 1,861,199; May 31.
Wachsler, Louis B., St. Louis, Mo. Unitary chime for metalic containers. 1,889,505; Nov. 29.
Wackman, Louis B., St. Louis, Mo. Sealing cap for the plugs of metallic drums and the like. 1,891,033; Dec. 13.
Waco Aircraft Company, The. (See Arcier, Alex F., assignor.)
Wada, Yoshinobu, Sendai-Shi, Japan. Pumping apparatus for medical treatments. 1,874,667; Aug. 30.
Waddell, Benson F., Elmhurst, N. Y. Optical device. 1,846,990; Mar. 1.
Waddell, Harvey H., Cary, N. C. Automobile starting switch. 1,878,920; Sept. 20.
Waddell, Homer J., Baltimore, Ohio, assignor, by mesne assignments, to The Meter Parts Company. Gas meter. 1,840,218; Jan. 5.
Waddell, Joseph A., assignor to Spencer Heater Company, Williamsport, Pa. Boiler. 1,854,084; Apr. 12.
Waddell, William, Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Internal combustion engine. 1,839,623; Jan. 5.
Waddington Tamperproof Taximeter, Limited. (See Claude, Frank H., assignor.)
Wade & Butcher Corporation. (See Sheehan, T. C., and Drew, assignors.)
Wade, Francis W., Canon City, Colo. Combined lawn-mower and sprinkler. 1,891,854; Dec. 20.
Wade, Harold. (See Baker, Thomas T., assignor.)
Wade, Harold. (See Dufay, Louis, assignor.)
Wade, Henry C., New York, N. Y. Converting kerosene into lower boiling point hydrocarbon liquids. 1,842,221; Jan. 19.
Wade, Henry C., Los Angeles, Calif. Process for the production of oil gas. 1,846,225; Feb. 23.
Wade, Henry S., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 87,047; May 31.
Wade, Henry S., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jug or similar article. Des. 87,987; Oct. 18.
Wade, John H., St. Petersburg, Fla. Venom extraction pump. 1,864,700; June 28.
Wade, Wallace G. (See Freeman, H. M., and Wade.)
Wade, Wallace G., Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company. Triode vacuum tube. 1,839,907; Jan. 5.
Wade, William J., Fort Madison, Iowa. Heater for automobiles. 1,860,517; May 31.
Wadewitz, Martin. (See Erlanger, A. L., and Wadewitz.)
Wadewitz, Martin, Elizabethton, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Skein and process for tying the same. 1,874,668; Aug. 30.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,880,536; Oct. 4.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Electrode for glass melting furnaces. 1,880,540; Oct. 4.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Process and apparatus for making glass. 1,880,541; Oct. 4.
Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Woven wire conveyer belt. 1,880,537; Oct. 4.
Wadman, Harold A., Hartford, and H. W. McIntosh, Windsor, assignors to Hartford-Empire Company, Hartford, Conn. Control system. 1,880,542; Oct. 4.
Waidsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Adjustable holder for coil-winding dies. 1,871,349; Aug. 9.
Waidsten, Sten, Bloomfield, and C. W. Hunt, Wyoming, N. J., assignors to Westinghouse Lamp Company. Producing uniform length filaments. 1,865,490; July 5.
Waidsten, Sten, Bloomfield, and C. W. Hunt, Wyoming, N. J., assignors to Westinghouse Lamp Company. Coiled lamp filament. 1,871,018; Aug. 9.
Wadsworth, Arthur W., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Waterproof watch case construction. 1,853,388; Apr. 12.
Wadsworth, Daniel Y., and L. Wickenden, Manhasset, N. Y., assignors to J. J. Naugle, Greenwich, Conn. Preparing and handling sugar syrups containing invert sugars. 1,850,427; Mar. 22.
Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Safety switch box. 1,852,036; Apr. 5.
Wadsworth, Dwight W., Fennville, Mich. Packing apparatus. 1,847,201; Mar. 1.
Wadsworth Electric Manufacturing Company, The. (See Chansbery, Ray W., assignor.)
Wadsworth Electric Manufacturing Company, The. (See Coy, Joseph A., assignor.)
Wadsworth Electric Manufacturing Company, The. (See Wadsworth, David T., assignor.)
Wadsworth Electric Manufacturing Company, The. (See Wadsworth, George B., assignor.)
Wadsworth, Frank L. O., Pittsburgh, Pa. Roof structure. 1,850,088; Mar. 22.
Wadsworth, George B., Covington, Ky., assignor to The George B. Wadsworth Company, Cincinnati, Ohio. Fuse block. 1,851,471; Mar. 29.
Wadsworth, George B., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Quick acting switch. 1,853,752; Apr. 12.
Wadsworth, George B., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Electric switch. 1,856,448; May 3.
Wadsworth, George B., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Switch blade device. 1,856,487; May 10.
Wadsworth, George B., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Switch. 1,874,146; Aug. 30.
Wadsworth, George B., Company, The. (See Wadsworth, George B., assignor.)
Wadsworth, George B., Company. (See Wadsworth, George E., assignor.)
Wadsworth, George E., Erlanger, Ky., assignor, by mesne assignments, to The George B. Wadsworth Company, Cincinnati, Ohio. Electrical device. 1,856,858; May 3.
Wadsworth, George E., Erlanger, Ky., assignor to The George B. Wadsworth Company, Cincinnati, Ohio. Safety fuse block. 1,880,543; Oct. 4.
Wadsworth, James M., Sand Springs, Okla. Process and apparatus for treating natural gas. 1,851,743; Mar. 29.
Wadsworth, Leslie H. (See Wurzbach, H. E., and Wadsworth.)
Wadsworth Watch Case Co., The. (See McFarland, James C., assignor.)
Wadsworth Watch Case Company, The. (See Wadsworth, Arthur W. assignor.)
Wadsworth, William W., Tremonton, Utah. Detector for bulged end cans. 1,866,957; July 12.
Waechter, Adam, Maplewood, N. J., assignor to Groove Lock Co., Inc., New York, N. Y. Fastening device for bag frames. 1,882,101; Oct. 11.
Waechter, Charles A., Ross Township, Allegheny County, assignor to Pittsburgh Stoker Co., Inc., Ross Township, Pa. Mechanical stoker. 1,850,428; Mar. 22.
Waechter, Ferdinand F., and L. F. Snyder, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loader. 1,865,654; July 5.
Waechter, Kurt O., Berlin, N. J., assignor of one-half to W. Lauber, Meadowbrook, Pa. Straight knitting machine. 1,850,736; Mar. 22.
Waffenschmidt, August C., New Orleans, La. Beverage handling apparatus. 1,846,559; Feb. 23.
Wagar, Clarence, Glasgow, Mont. Mower guard. 1,839,718; Jan. 5.
Wagar, Fred L., Wagar, Ala. Heat exchanger. 1,863,678; June 21.
Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controlling device. 1,857,828; May 10.
Wagener, Theodor, Rodenkirchen-Cologne, Germany. Concrete conveying bucket. 1,851,074; Mar. 29.
Wagenfeld, Harry, assignor to Keystone Adjustable Cap Corporation, Philadelphia, Pa. Cap. 1,886,992; Nov. 8.
Wagenhauser, Claude B. (See Kieper, W. F., and Wagenhauser.)
Wagenhorst, James H., Jackson, Mich. Arc lamp. 1,840,860; Jan. 12.

Wagenhorst, James H., Detroit, Mich. Demountable wheel. 1,846,236; Feb. 23.
Wagenhorst, James H., Detroit, Mich. Cabinet for arc lamps. 1,860,913; May 31.
Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,874,394; Aug. 30.
Wagenhorst, James H., Jackson, Mich. Arc lamp. 1,884,417; Oct. 25.
Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,886,610; Nov. 8.
Wagenhorst, James H., Jackson, Mich. Rim tool. 1,886,611; Nov. 8.
Wager, Robert H. (See Brown, M. W., Klein, and Wager.)
Wager, Robert H., Jersey City, N. J. Lather-forming means. 1,889,164; Nov. 29.
Waggaman, William H. (See Gooch, S. D., and Waggaman.)
Waggaman, William H., Alexandria, Va., assignor, by mesne assignments, to The Oberphos Company, Baltimore, Md. Preparation of fertilizer. 1,880,544; Oct. 4.
Waggaman, William H., and H. W. Easterwood, Chicago Heights, Ill., assignors to Victor Chemical Works. Manufacture of phosphorus, and compounds thereof 1,841,071; Jan. 12.
Waggaman, William H., Fort Meade, and S. D. Gooch, Lake Wales, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Reduction of phosphatic materials. 1,867,239; July 12.
Waggaman, William H., Lakeland, S. D. Gooch, Lake Wales, and F. F. Kirschbaum, Winter Haven, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Protection of phosphorus. 1,880,538; Oct. 4.
Waggaman, William H., Lakeland, and S. D. Gooch, Lake Wales, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Production of phosphorus and phosphoric acid. 1,888,896; Nov. 22.
Wagoner, Rev. R., Santa Monica, Calif. Casing for a nail polishing machine. Des. 86,341; Feb. 23.
Waggoner, W. L., Nashville, Tenn. Printing press. 1,875,291; Aug. 30.
Wagle, Lewis J., Metuchen, N. J. Heating boiler. 1,852,382; Apr. 5.
Wagle, Carl, assignor of one-half to F. W. Henning, Baltimore, Md. Arc shield for electric torch work. 1,848,287; Mar. 8.
Wagner, Albert G. (See Bloch, J., and Wagner.)
Wagner, Albert G., assignor to The Glow Electric Company, Cincinnati, Ohio. Lawn mower. 1,866,380; July 5.
Wagner, Arthur J., Puunene, Maui, Hawaii, assignor to California Vending Corporation, San Francisco, Calif. Case-filling machine. 1,874,669; Aug. 30.
Wagner, Cary R. (See Osterstrom, R. C., and Wagner.)
Wagner, Cary R., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Heat exchanger. 1,850,429; Mar. 22.
Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Treating hydrocarbon oils. 1,853,753; Apr. 12.
Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Treating hydrocarbon oils. 1,873,728; Aug. 23.
Wagner, Cary R., Chicago, Ill., assignor to The Gyro Process Company, Detroit, Mich. Separating and fractionating oil. 1,884,418; Oct. 25.
Wagner, Charles, Grand Island, Nebr., August Hormel, Hudson Heights, N. J. Metal sheet feeding mechanism. 1,848,856; Mar. 8.
Wagner, Charles B., Remsen, Iowa. Fastening device. 1,853,754; Apr. 12.
Wagner, Charles F. (See Evans, R. D., Wagner, and Griscom.)
Wagner, Charles F., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Simulating mutual impedances. 1,884,419; Oct. 25.
Wagner, Charles H., Washington, D. C., assignor to Koehring Company, Milwaukee, Wis. Safety skip control device. 1,843,793; Feb. 2.
Wagner, Charles H., Washington, D. C., assignor to Koehring Company, Milwaukee, Wis. Safety mechanism for material handling machines. 1,857,172; May 10.
Wagner, Edward B., Milton, Ind. Table. 1,868,550; July 26.
Wagner, Edward P., assignor to International Fire Equipment Corporation, West New Brighton, N. Y. Fire extinguisher. 1,885,309; Nov. 1.
Wagner Electric Corporation. (See Bohn, August W., assignor.)
Wagner Electric Corporation. (See Chervenka, George R., assignor.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner Electric Corporation. (See Johnson, Edward D., assignor.)
Wagner Electric Corporation. (See Keath, Howard B., assignor.)
Wagner Electric Corporation. (See McCormick, Bradley, assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner Electric Corporation. (See Waters, Granville A., assignor.)
Wagner Electric Corporation. (See Welchsel, Hans, assignor.)
Wagner Electric Corporation. (See Wulfert, Otto, assignor.)
Wagner Electric Corporation. (See Wulfert, O., and Potter, assignors.)
Wagner, Emanuel E., Lamar, Mo. Screen for projecting machines. 1,868,551; July 26.
Wagner, Ernest. (See Goodheim, A., and Wagner.)
Wagner, E. R., Mfg. Co. (See Randall, Louis G., assignor.)
Wagner, Frank, Laurel Hill, Long Island, N. Y. Pencil. 1,890,873; Dec. 13.
Wagner, Fred W., and F. L. McIntire, Pittsburgh, Pa. Making motor fuel from light oil. 1,886,612; Nov. 8.
Wagner, Fredrick, Atco, N. J., and H. C. Mitchell, assignors to Cochrane Corporation, Philadelphia, Pa. Measuring apparatus. 1,864,967; June 28.
Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas and liquid contact apparatus. 1,868,618; July 26.
Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Dust condenser. 1,870,351; Aug. 9.
Wagner, Frederick P. (See Brauer, A. J., and Wagner.)
Wagner, Friedrich, Russdorf near Oberfrohna, Germany. Double warp frame. 1,873,661; Aug. 23.
Wagner, Fritz, Berlin-Lichterfelde, Germany. Balanced valve. 1,877,542; Sept. 13.
Wagner, Fritz, Berlin-Lichterfelde, assignor to Fritz Wagner and Co., Berlin, Germany. Valve comprising an equalizing chamber, a main and an auxiliary valve. 1,847,107; Mar. 1.
Wagner, Fritz, and Co. (See Wagner, Fritz, assignor.)
Wagner, George W., Marlinton, W. Va. Rail joint. 1,883,175; Oct. 18.
Wagner, Glenn H., Belleville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Making concrete articles and the like. 1,865,732; July 5.
Wagner, Gottlob F., Lindau, Germany. Circular knitting machine. 1,884,420; Oct. 25.
Wagner, Gunther, The Firm. (See Kovacs, Theodor, assignor.)
Wagner, Hermann, Bad Soden, O. Sohst, deceased, by A. Solst, Hochst-on-the-Main, administratrix. C. Seib, Hochst-on-the-Main, and W. Schumacher, Sossenheim, Germany, assignors to National Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,855,328; Apr. 26.
Wagner, Hermann. Bad Soden am Taunus, and R. Vossen, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Yellow mono-azo dyestuffs. 1,877,092; Sept. 13.
Wagner, Homer H. (See Cook, H. L., and Wagner.)
Wagner, Hugh K. et al. (See Trettin, Louis F., assignor.)
Wagner, James, Peninsula, and A. Humr, Cleveland, Ohio. Tool. 1,884,421; Oct. 25.
Wagner, James H., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Cam chuck. 1,843,073; Jan. 26.
Wagner, James S., Charleroi, assignor of one-fifth to G. W. King, Fayette County, one-fifth to McClelland Hixenbaugh, one-fifth to H. P. Ray, and one-fifth to C. S. Bateman, Charleroi, all of Pa. Refrigeration by means of carbon dioxide in solid state. 1,878,042; Sept. 20.
Wagner, Jerome A., assignor to The Wagner Manufacturing Company, Sidney, Ohio. Sandwich toaster. Des. 87,896; Oct. 4.
Wagner, Johannes, Berlin-neu-Tempelhof, and W. Krostewitz, Berlin-Hohenschonhausen, Germany. Device for the working of metal banda especially lines, for typographic purposes. 1,861,670; June 7.
Wagner, John A., Decatur, assignor, by mesne assignments, to Transervo Corporation, Chicago, Ill. Wear reducing key for brake heads. 1,873,687; Aug. 23.
Wagner, Joshua, (See Schroeder, L. H., and Wagner.)
Wagner, Joshua, assignor to Diagonal Corrugated Patent Corporation, Brooklyn, N. Y. Making cartons. 1,845,456; Feb. 16.
Wagner, Joshua, assignor to Progressive Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Taping machine. 1,890,477; Dec. 13.
Wagner, Lawrence L., Shirleysburg, Pa. Signaling apparatus. 1,891,126; Dec. 13.
Wagner, Le Roy R., Detroit, Mich., assignor to The Nachod & United States Signal Company. Railway and traffic signal control. 1,842,022; Jan. 19.
Wagner Manufacturing Company, The. (See Wagner, Jerome A., assignor.)
Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Change speed gearing. 1,877,736; Sept. 13.
Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Underframe for automobile vehicles. 1,888,897; Nov. 22.
Wagner, Max, Stuttgart, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterkheim. Springing for vehicles. 1,889,506; Nov. 29.
Wagner, Noah E., Tulsa, Okla. Pipe cutting machine. 1,886,855; Nov. 8.
Wagner, Norman V. (See Whitcomb, J. H., and Wagner.)
Wagner, Paul G., assignor to Nesbitt Fruit Products, Inc., Los Angeles, Calif. Dispenser. Des. 87,246; June 21.
Wagner, Raoul D., Paris, France, assignor to N. R. Van Scholck, Bloomington, Ill. Nail spike. 1,855,329; Apr. 26.

Wagner, Reinhold R., Berlin-Charlottenburg, Germany. Solid sealing composition for waterless gasholders. 1,876,805; Sept. 13.

Wagner, Richard, jr., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Mounting for books and the like. 1,842,496; Jan. 26.

Wagner, Rudolf, Hamburg, Germany. Rudder. 1,843,303; Feb. 9.

Wagner, Rudolph W., Los Angeles, and W. MacConnell, Huntington Park, Calif. Rotary hose. 1,852,632; Apr. 5.

Wagner Sign Service Inc. (See Hanway, John A., assignor.)

Wagner, Stefan, Los Angeles, Calif. Boring machine. 1,889,136; Nov. 29.

Wagner, Theodore B., Brooklyn, N. Y. New composition of matter and method of making same. 1,845,370; Feb. 16.

Wagner, Theodore C., Chemnitz, Germany. Warp stop-motion for looms. 1,878,043; Sept. 20.

Wagner, Walter C. (See Strattner, F., and Wagner.)

Wagner, Wilhelm. (See Balz, O., and Wagner.)

Wagner, William. (See Veit, Anton L., assignor.)

Wagner, William E., Alton, assignor to Western Cartridge Company, East Alton, Ill. Propellant powder and making the same. 1,862,914; June 14.

Wagner, William E., Alton, assignor to Western Cartridge Company, East Alton, Ill. Propellant powder and making the same. 1,862,915; June 14.

Wagner, William E., assignor to Western Cartridge Company, East Alton, Ill. Making double base powders. 1,890,241; Dec. 6.

Wagoner, Earl B., Lakewood, assignor to The Standard Oil Company, Cleveland, Ohio. Dispensing unit. Des. 86,150; Dec. 2.

Wagoner, Earl B., Lakewood, assignor to The Standard Oil Company, Cleveland, Ohio. Service-station building. Des. 86,691; Apr. 20.

Wagoner, Earl B., Lakewood, assignor to The Standard Oil Company, Cleveland, Ohio. Building. Des. 87,320; July 5.

Wagstaff, Richard A., Salt Lake City, Utah, assignor to American Smelting & Refining Company, New York, N. Y. Center wall furnace. 1,858,581; Aug. 2.

Wahl, Charles V. (See White, J. H., and Wahl.)

Wahl Clipper Corporation. (See Wahl, Leo J., assignor.)

Wahl Company, The. (See Bacal, Robert, assignor.)

Wahl Clipper Corp. (See Wahl, A. E., Gronemann, and Lungren, assignors.)

Wahl, John, Rosedale, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Pressure gauge. 1,866,140; July 5.

Wahl, John, Rosedale, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Air bag coupling. 1,877,706; Sept. 13.

Wahl, John, Rosedale, and O. Melzer, Hollis, assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Pressure gauge. 1,854,913; Apr. 19.

Wahl, John, Rosedale, and O. Melzer, Hollis, assignors to A. Schrader's Son, Inc., New York, N. Y. Pressure gauge. 1,883,365; Nov. 22.

Wahl, John, Rosedale, and O. Melzer, Hollis, assignors to A. Schrader's Son, Inc., New York, N. Y. Pressure gauge. 1,892,088; Dec. 27.

Wahl, John C. (See Frutkow, N., and Wahl.)

Wahl, John E., C. W. Gronemann and A. N. Lungren, assignors to The Wahl Company, Chicago, Ill. Making pen nibs. 1,867,932; July 19.

Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Adjustable stationary blade for hair clippers. 1,861,616; June 7.

Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Hand clipper. 1,861,617; June 7.

Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Electromagnetic clipper regulation. 1,891,486; Dec. 20.

Wahl, Ottmar, Leverkusen-on-the-Rhine, Germany, assignor of General Aniline Works, Inc., New York, N. Y. Polymethine dyestuffs. 1,863,679; June 21.

Wahl, Ottmar, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works Inc., New York, N. Y. Asymmetric polymethine dyestuffs. 1,878,557; Sept. 20.

Wahlbeck, John H. (See Prosser, T. W., Wahlbeck, and Mittelstadt.)

Wahlberg, Alfred G., Duluth, Minn. Radiator. 1,875,681; Sept. 6.

Wahlberg, Nils A., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company, Conductor clamp. 1,851,552; Mar. 29.

Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,871,350; Aug. 9.

Wahlberg, Oswald E., Evanston, Ill. Supporting device. 1,841,231; Jan. 12.

Wahlbom, Ernest T., L. C. Lind, and P. C. Wahlbom, Rockford, Ill. Water softener. 1,889,231; Nov. 29.

Wahlbom, Philip C. (See Wahlbom, E. T., Lind, and Wahlbom.)

Wahlin, Fritz. (See Bramsen, S., and Wahlin.)

Wahlin, Fritz. (See Bramsen, S., Hersleb, and Wahlin.)

Wahlsten, Gosta L. B. (See Lysholm, A., and Wahlsten.)

Wahnsiedler, Charles G., Evansville, Ind. Hanger for lavatories, sinks, and the like. 1,858,648; May 17.

Waide, Merrill, Newark, N. J., assignor to Natural-Color, Inc., New York, N. Y. Optical system for producing photographs and projecting the same in natural colors. 1,870,806; Sept. 13.

Walles, Dove-Hermiston Corporation. (See Cook, H. M., and Thornhill, assignors.)

Walles Dove-Hermiston Corporation. (See Cotton, Cecil W., assignor.)

Walles Dove-Hermiston Corporation. (See Rogers, Lorys R., assignor.)

Wain, Harry J., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 87,735; Sept. 6.

Wainscott, Henry G., Edenfield, England. Sanding appliance for use on motor vehicles. 1,853,948; Apr. 12.

Wainsio Manufacturing Corporation. (See Fain, Walter C., assignor.)

Wainwright, Carlyle H. (See Bentley, P. A., Manger, and Wainwright.)

Wainwright, Charles, Erie, Pa. Air compressor. 1,842,303; Jan. 19.

Wainwright, Charles, Erie, Pa. Compressor valve unit. 1,854,085; Apr. 12.

Wainwright, Charles, Erie, Pa. Unit intercooler. 1,882,266; Oct. 11.

Wainwright, George R. (See Kelso, R. S., and Wainwright.)

Wainwright, Joseph E., Brooklyn, N. Y. Valve spring compressor. 1,862,948; June 14.

Wait, Justin F., New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for the extraction of heat. 1,845,690; Feb. 16.

Wait, Justin F., New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa. Heat transfer. 1,847,542; Mar. 1.

Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Treating phenylglycine and product thereof. 1,863,735; June 21.

Wait, Justin F., New York, and C. Field, Brooklyn, N. Y., assignors to National Aniline & Chemical Co., Inc. Feeding subdivided solids into an inclosed reaction mixture. 1,844,199; Feb. 9.

Wait, Justin R., New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa. Transferring heat. 1,850,436; Nov. 8.

Waite Carpet Company. (See Waite, Philip C., assignor.)

Waite, Charles F., Somerville, Mass., assignor of one-half to A. W. Johnston, Bridgeport, Conn. Rotary pump. 1,867,198; July 12.

Waite, Charles M., Woodhaven, N. Y. Stall for starting race horses. 1,871,639; Aug. 16.

Waite, Frank H., and W. Davey, Long Island City, N. Y. Gas producer. 1,845,064; Feb. 16.

Waite, Fred, Inglewood, England. Feeding mechanism for printing and like machines. 1,841,560; Jan. 19.

Waite, George. (See Lansdell, E. B., Waite, and Ford.)

Waite, Griffin G., Toronto, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Condenser totalizer for remote metering systems. 1,845,534; Feb. 16.

Waite, Griffin G., Toronto, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Demand totalizer. 1,872,970; Aug. 16.

Waite, Harry F., New York, N. Y. X-ray system. 1,871,248; Aug. 9.

Waite, Lorenzo E., assignor to Erie Malleable Iron Company, Erie, Pa. Forming wheels. 1,853,479; Apr. 12.

Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Rug and manufacturing the same. 1,871,249; Aug. 9.

Waite, Ralph B., assignor to The Antidolor Mfg. Co. Inc., Springville, N. Y. Filling head. 1,842,134; Jan. 19.

Waite, Roy, Los Angeles, Calif. Metal trim. 1,836,320; Nov. 1.

Waite, William H., Lynbrook, assignor to Dictograph Products Company, Inc., Jamaica, L. I., N. Y. Signal system for hospitals. 1,851,771; Jan. 19.

Waitkus, Vincent, Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Counting mechanism. 1,850,645; Mar. 22.

Waitt, George L., Wildwood Crest, N. J. Fishing tackle. 1,859,944; May 24.

Waitt, Walter G., Lakewood, Ohio. Dry cell and seal therefor. 1,885,786; Nov. 1.

Waitz, Charles A., Erie, Pa. Apparatus for applying pressure to oil sands. 1,861,332; May 31.

Wakefield, Arthur T., assignor to The American Oil Company, Baltimore, Md. Slip coupling. 1,877,093; Sept. 13.

Wakefield, Ernest A., Springfield, assignor to R. W. Boyden and C. A. Dana, receivers of The Fisk Rubber Company, Chicopee Falls, Mass. Valve pad construction. 1,876,367; Sept. 6.

Wakefield, Francis J., Attleboro, Mass., assignor to Taunton Pearl Works, Inc. Collar holder. 1,876,184; Sept. 6.

Wakefield, Silas N., Pawnee, Ill. Tourist camping kit. 1,856,675; May 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,847,581; Mar. 1.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft end controller for automatic looms and bobbin therefor. 1,873,166; Aug. 23.

Walberg, Gerrit C., Buffalo, N. Y. Fishing reel. 1,865,066; June 28.

Walborn, Joseph E., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Wrought metal repair device for pipe lines. 1,877,094; Sept. 13.

Walburn, Christopher A., Montclair, N. J., assignor to Teletype Corporation, Chicago, Ill. Tape moistening and pasting device. 1,851,788; Mar. 29.

Walbridge, John B., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic fluid turbine. 1,844,082; Feb. 9.

Walbridge, John B., Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine casing. 1,884,422; Oct. 25.

Walch, Jacob S. (See McMillan, Wesley K., and Walch, assignors.)

Walcott, Fred, Troy, Mont. Siphon egg picker and trough cleaner. 1,843,499; Feb. 2.

Wald, Frank A., Lemoyne, Pa. Cooling system for internal combustion engines. 1,880,539; Oct. 4.

Wald, John R., Huntingdon, Pa. Reflector button and bolting means therefor. 1,858,382; May 17.

Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)

Waldherr Societe Anonyme. (See von Devecis, Michael, assignor.)

Walden, Walter P. (See Smith, D. C., and Walden.)

Walder, Emil, Philadelphia, Pa. Thermostatic switch plug. 1,873,173; Aug. 23.

Walder, Emil, Philadelphia, Pa., assignor to The Beardsley & Wolcott Mfg. Co. Thermostatically controlled electric circuit. 1,877,417; May 10.

Walder, Emil, Philadelphia, Pa., assignor to The Beardsley & Wolcott Manufacturing Company. Thermostatic switch plug. 1,857,899; May 10.

Walder, Emil, Philadelphia, Pa., assignor to The Beardsley & Wolcott Manufacturing Company. Thermostatic electrical plug. 1,857,900; May 10.

Waldes, Jindrich, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Fastener tape. 1,863,021; Oct. 25.

Waldes Koh-I-Noor, Inc. (See Silberman, David, assignor.)

Waldes Koh-I-Noor, Inc. (See Waldes, Jindrich, assignor.)

Waldinger, Nils H., Jonkoping, Sweden. Match. 1,865,716; July 5.

Waldman & Duveneck et al. (See Lorentowicz, H. R., and Thompson, assignors.)

Waldman, Erwin H., Fort Mitchell, Ky. Electrode and method for welding cast iron. 1,880,515; Oct. 4.

Waldman, Henry, New York, N. Y. Protective hook cover. 1,875,284; Aug. 30.

Waldman, Herman, et al. (See Lorentowicz, H. R., and Thompson, assignors.)

Waldman, Herman C., St. Louis, Mo. Fire stop for elevator doors. 1,856,895; May 3.

Waldon Corporation, John. (See Case, Lynn B., assignor.)

Waldorf-Astoria Hotel Corporation. (See Smed, P., and Stark, assignors.)

Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)

Waldorf Paper Products Company. (See Sandberg, Nels H., assignor.)

Waldron, Charles R., Elyria, Ohio. Bicycle or motorcycle saddle spring. 1,848,289; Mar. 8.

Waldron, Frederic B., Prescot, assignor to Pilkington Brothers Limited, Liverpool, England. Glass rolling apparatus particularly applicable to the production of corrugated glass strip. 1,851,609; Mar. 29.

Waldron, Frederic B., Prescot, assignor to Pilkington Brothers Limited, Liverpool, England. Continuous glass grinding and polishing apparatus. 1,862,445; June 7.

Waldron, Frederic B., Prescot, and J. H. Grimin, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for grading abrasives for use in continuous glass grinding machines. 1,843,854; Feb. 2.

Waldron, Harvey E., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Pen. 1,869,950; Aug. 2.

Waldron, John, Corporation. (See Clark, Bennett F., assignor.)

Waldron, John, Corporation. (See Dickhaut, Charles A., assignor.)

Waldron, John, Corporation. (See Waldron, William H., assignor.)

Waldron, John, Corporation. (See Willis, Charles C., assignor.)

Waldron, Lewis S. and T. B. Terry, Charlottesville, Va. Fuse cartridge. 1,872,854; Aug. 23.

Waldron, William H., assignor to John Waldron Corporation, New Brunswick, N. J. Printing machine. 1,891,252; Dec. 20.

Wale, Herbert E., Bremerton, Wash. Attachment to make a right-hand bolt rifle a left-hand bolt rifle, or a left-hand bolt rifle a right-hand bolt rifle. 1,886,925; Nov. 8.

Wale, Herbert E., Bremerton, Wash. Gun sight. 1,890,478; Dec. 13.

Wales, Charles, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making glass articles. 1,859,011; May 17.

Wales, Nathaniel B., and C. Roberts, New York, N. Y., assignors to Harry Bohn, Dayton, Ohio, trustee. Washing machine. 1,892,441; Dec. 27.

Walinsky, Ossip J., New York, N. Y. Hand-bag. 1,859,061; May 17.

Waliuszis, John B. (See Hochwalt, C. A., and Waliuszis.)

Walker, Albert M., Akron, assignor to The Bailey-Walker China Company, Bedford, Ohio. Plate or similar article. Des. 86,692; Apr. 5.

Walker, Arthur W., Seminole, Okla. Pump. 1,871,867; Aug. 16.

Walker, Arthur W., Seminole, Okla. Oil-well cementing plug. 1,872,855; Aug. 23.

Walker, Arthur W., Seminole, Okla. Mixer. 1,884,423; Oct. 25.

Walker, Benjamin F., Stockton, Calif. Sunshade for automobiles. 1,892,558; Dec. 27.

Walker Body Company. (See Wells, George W., assignor.)

Walker, Brooks. (See Walker, Clinton L., assignor.)

Walker, Brooks, et al. (See Wilson, Theodore R., assignor.)

Walker, Brooks, Piedmont, Calif. Locking apparatus for sedan bodies of automobiles. 1,853,326; Apr. 12.

Walker, Brooks, Piedmont, Oakland, Calif. Vehicle lifting and traversing device. 1,884,982; Oct. 25.

Walker, Brooks, Piedmont, Oakland, Calif. Vehicle lifting and traversing device. 1,884,983; Oct. 25.

Walker, Brooks, assignor of one-third to C. L. Walker, Piedmont, and one-third to H. E. Kennedy, Berkeley, Calif. Internal combustion engine. 1,853,290; Apr. 12.

Walker, Brooks, assignor of one-third to C. L. Walker, Piedmont, and one-third to H. E. Kennedy, Berkeley, Calif. Internal combustion engine. 1,872,856; Aug. 23.

Walker, Buck, et al. (See Gonsett, Robert R., assignor.)

Walker, Burnett. (See Lambert, John W., assignor.)

Walker, Burnett. (See Nelson, William, assignor.)

Walker Cement Products Inc. (See Dietrichs, Charles, assignor.)

Walker, Charles, Knoxville, Tenn. Safety pencil holder. 1,849,980; Mar. 8.

Walker, Charles, Knoxville, Tenn. Vending machine. 1,867,429; July 12.

Walker, Charles O., and L. M. Braziel, Bent, N. Mex. All purpose gate. 1,851,472; Mar. 29.

Walker, Clarence P., assignor of fifty-one per cent to E. L. Gruber, Duluth, Minn. Wire locking device. 1,842,435; Jan. 26.

Walker, Clarence P., Duluth, Minn., assignor to A. M. Fay, Chicago, Ill. Wire fence. 1,884,585; June 21.

Walker, Clinton L., et al. (See Walker, Brooks, assignor.)

Walker, Clinton L., et al. (See Wilson, Theodore R., assignor.)

Walker, Clinton L., Piedmont, Calif. Manufacturing pistons. 1,851,553; Mar. 29.

Walker, Clinton L., Piedmont, Calif. Piston gib. 1,851,554; Mar. 29.

Walker, Clinton L., assignor of one-half to B. Walker, Piedmont, Calif. Crankshaft mounting for internal combustion engines. 1,875,682; Sept. 6.

Walker, Crawford J., Indianapolis, Ind. Filing folder. 1,880,549; Oct. 4.

Walker, Dallas E., assignor of one-half to D. E. Walker, Dover, Fla. Game apparatus. 1,856,798; May 3.

Walker Dishwasher Corporation. (See Snyder, Carl M., assignor.)

Walker, Donald E. (See Walker, Dallas E., assignor.)

Walker, Earl C., Chicago, Ill., assignor to International Harvester Company. Condenser system for rail cars. 1,866,286; June 21.

Walker, Earl R., Middletown, Ind. Truck. 1,877,095; Sept. 13.

Walker, Edward H., and G. L. W. Mong, Somerset, Pa. Mausoleum. 1,858,722; May 17.

Walker, Elsa B. (See Monheim, Elsie B.)

Walker, Ely, Dry Goods Company. (See Wright, Clair G., assignor.)

Walker, Emery L. (See Werner, A. W., and Walker.)

Walker, Emery L., Wauwatosa, assignor to Kieckhefer Container Co., Milwaukee, Wis. Printing machine. 1,840,067; Jan. 5.

Walker, Emery L., Wauwatosa, Wis., and D. N. Ohlhues, Snyder, N. Y., assignors to Kieckhefer Container Company, Milwaukee, Wis. Corner reenforcement for containers. 1,839,283; Jan. 5.

Walker, Emery L., Wauwatosa, and A. W. Werner, assignors to Kieckhefer Container Company, Milwaukee, Wis. Printing machine. 1,840,068; Jan. 5.

Walker, Emery L., Wauwatosa, and A. W. Werner, assignors to Kieckhefer Container Company, Milwaukee, Wis. Printing machine. 1,840,069; Jan. 5.

Walker, Emery L., Wauwatosa, and A. W. Werner, assignors to Kieckhefer Container Company, Milwaukee, Wis. Box making machine. 1,874,670; Aug. 30.

Walker, Emery L., Wauwatosa, and A. W. Werner, assignors to Kieckhefer Container Company, Milwaukee, Wis. Box stitching machine. 1,874,671; Aug. 30.

Walker, Emily, administratrix. (See Walker, Harry H.)

Walker, Eric E. (See Ellis, G. H., Olbin, and Walker.)

Walker, Eric E. (See Hill, S., and Walker.)

Walker, Ernest A. (See Allison, H. M., and Walker.)
Walker, Ernest A., assignor to J. Bath, Worcester, Mass. Adjustable tap. 1,849,160 : Mar. 15.
Walker, Ernest A., assignor to J. Bath, Worcester, Mass. Thread cutting tap. 1,849,894 : Mar. 15.
Walker, Ernest E., Miami, Ariz. Sandpaper holder. 1,844,996 : Feb. 16.
Walker, Frank G., Santa Barbara, Calif. Valve. 1,849,259 ; Mar. 15.
Walker, Fred G., assignor to Jones Superior Machine Co., Chicago, Ill. Attachment for band saws. 1,886,321 ; Nov. 1.
Walker, Frederic, New Brighton, Staten Island, N. Y., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Concentrating formaldehyde solutions. 1,871,019 : Aug. 9.
Walker, George, assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Scale. 1,864,563 ; June 28.
Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Hydraulic clutch. 1,873,688 ; Aug. 23.
Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Apparatus for testing the brakes of vehicles. 1,879,721 ; Sept. 27.
Walker, George T., York, N. Y., assignor, by mesne assignments, to Kayser Hosiery Motor-Mend Corporation, Wilmington, Del. Tool handle for machines for reclooping the runs in stockings and other knitted fabrics. 1,856,605 ; May 3.
Walker, George W., West Los Angeles, Calif. Conductor wire reel box. 1,866,206 ; July 5.
Walker, George W., assignor of one-half to W. T. Peek, Atlanta, Ga. Toy cannon. 1,854,679 ; Apr. 19.
Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Apparatus for absorbing and measuring the power developed by prime movers. 1,892,295 ; Dec. 27.
Walker, Gilbert T., and H. H. Wood, Birmingham, England. Lever fastener. 1,852,037 ; Apr. 5.
Walker, Grant H., Kalamazoo, Mich., and I. L. Cole, Madison, Wis., assignors to Shakespeare Company, Kalamazoo, Mich. Tackle box. 1,883,134 ; Oct. 18.
Walker, Glen H., and Grant H. Thorne, assignors to Shakespeare Company, Kalamazoo, Mich. Minnow bucket. 1,883,135 ; Oct. 18.
Walker, Glen S., Springfield, Oreg. Attachment for ink bottles. 1,852,251 ; Apr. 26.
Walker, Godfrey B. (See Christmann, L. J., and Walker.)
Walker, Harold L., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Over and under weight scale. 1,864,564 ; June 28.
Walker, Harold L., Brooklyn, N. Y., assignor to The Jacobs Bros. Co., Inc. Scale. 1,864,565 ; June 28.
Walker, Harry E., Fairfield, Me. Portable brick-testing machine. 1,874,838 ; Aug. 30.
Walker, Harry H., Fairfield, Me. Separable connecter. 1,885,657 ; Nov. 1.
Walker, Harry H., deceased, Newark, N. J.; E. Walker, administratrix. Billing machine. 1,845,065 ; Feb. 16.
Walker, Henry E., Portland, Oreg. Processing reel. 1,862,615 ; June 14.
Walker, Herbert S., assignor to The Allpax Company, Inc., Mamaroneck, N. Y. Packing and process of manufacture. 1,886,993 ; Nov. 8.
Walker, Herbert S., Larchmont, assignor to The Allpax Company, Inc., Mamaroneck, N. Y. Packing and process. 1,889,165 ; Nov. 29.
Walker, Herbert W. (See Calcott, W. S., and Walker.)
Walker, Hervey S., Ardmore, Pa. Under-floor duct system. 1,862,424 ; June 7.
Walker, Hiram, assignor, by mesne assignments, to Hupp Motor Car Corporation, Cleveland, Ohio. Air intake for carburetors through hollow levers. 1,855,038 ; Apr. 19.
Walker, Horace, Portland, Oreg. Instrument for holding gauges for setting valves. 1,875,784 ; Sept. 6.
Walker, Hubert, Elmira, N. Y., assignor to American La France and Foamite Corporation. Fire engine. 1,860,638 ; May 31.
Walker, J. Cort, et al. (See Duffy, Thomas I., assignor.)
Walker, Jack L., Dallas, Tex. Sound recording and reproducing device. 1,877,485 ; Sept. 13.
Walker, Jacob N., Richmond, Va. Auto starter. 1,866,737 ; July 12.
Walker, James E., Wapello, Iowa. Vending machine and money changer. 1,890,761 : Dec. 13.
Walker, Jay P., Tulsa, Okla. Drip basin for fluid separators. 1,850,430 ; Mar. 22.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Fluid control for gas and liquor separators. 1,846,376 ; Feb. 23.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Conservation separator system. 1,860,726 ; May 31.
Walker, John C., Eldorado, Kans., assignor, by mesne assignments, to Empire Oil and Refining Company, Dover, Del. Treating wet oils. 1,863,143 ; June 14.
Walker, John C., Eldorado, Kans., assignor to Empire Oil and Refining Company, Dover, Del. Prevention of hard scale formation in oil wells. 1,873,083 ; Aug. 23.
Walker, John C., Tallant, Okla., assignor to Empire Oil and Refining Company, Dover, Del. Preventing corrosion in oil wells. 1,873,084 ; Aug. 23.
Walker, John C., Tallant, Okla., assignor to Empire Oil and Refining Company, Dover, Del. Method of and agent for treating wet oils. 1,873,165 ; Aug. 23.
Walker, John E., Cedar City, Utah. Removable bed or body for wheeled vehicles. 1,863,514 ; June 14.
Walker, John E., Atlanta, Ga., assignor, by mesne assignments, to The Clymer Manufacturing Company, Denver, Colo. Glass cutting machine. 1,857,748 ; May 10.
Walker, John, & Sons Limited. (See Hunt, Sydney, assignor.)
Walker, Kennedy, London, England. Method and apparatus for stereoscopic cinematography. 1,840,861 ; Jan. 12.
Walker, Louis C., Dayton, Ohio. Pass book. 1,843,998 ; Feb. 9.
Walker Manufacturing Company. (See Bate, John W., assignor.)
Walker Manufacturing Company. (See Kohler, John H., assignor.)
Walker Manufacturing Company. (See Oches, Fred W., assignor.)
Walker, Mark, South Pasadena, assignor to The Pacific R. & H. Chemical Corporation, Los Angeles, Calif. Stabilization of liquid hydrocyanic acid. 1,856,606 ; May 3.
Walker, Milton E., Chicago, Ill. Canning machine. 1,883,136 ; Oct. 18.
Walker, Mitchell B., Greensboro, N. C. Lubricating mechanism. 1,886,505 ; Nov. 8.
Walker, Norman, assignor to Harrison Radiator Corporation, Lockport, N. Y. Method and apparatus for making shutter blades. 1,874,068 ; Aug. 30.
Walker, Percevill E., Holbrook, Oreg. Mowing machine. 1,851,537 ; Mar. 29.
Walker, Prescott H. (See Benner, R. C., Walker, and Soley.)
Walker, Richard S., Petersburg, Va. Soap dispensing device. 1,845,636 ; Feb. 16.
Walker, Richard S., Petersburg, Va. Soap dispensing device. 1,877,259 ; Sept. 13.
Walker, Robert O., Brooklyn, N. Y. Motion picture screen. 1,878,075 ; Sept. 20.
Walker, Samuel H., Joplin, Mo. Hosiery protector. 1,859,716 ; Nov. 29.
Walker, Sherman B., Newton, assignor of two-fifths to Bessie Mable, Monroe, N. J. Picker stick connection for looms. 1,884,425 ; Oct. 25.
Walker, Theodore D., Bayside, N. Y. Fountain pen. 1,839,817 ; Jan. 5.
Walker, Thomas C., jr., assignor to The W. and M. Stoker Company, Denver, Colo. Door for furnace coal hoppers. 1,854,680 ; Apr. 19.
Walker Vehicle Company. (See Stephenson, L. J., and Freschelli, assignors.)
Walker, Wallace E., Lenton, Nottingham, England. Building brick or block. 1,844,922 ; Feb. 9.
Walker, Warren R., Bloomfield, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric switch. 1,844,413 ; Feb. 9.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Production of electrical leading devices. 1,878,212 ; Sept. 20.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Welding apparatus. 1,878,558 ; Sept. 20.
Walker, Willard R., Syracuse, N. Y. Dishwashing machine. 1,853,589 ; Apr. 12.
Walker, William J., Waterbury, Conn., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bag frame and fastener therefor the same. 1,873,911 ; Aug. 23.
Walker, William T., and H. F. Orr, Toledo, Ohio. Combination bottle opener and beverage spoon. Des. 87,764 ; Sept. 13.
Walker, Woods S. (See Ryden, E. H., and Walker.)
Walker, Woods S., assignor to The Consolidated Gas Company of New York, New York, N. Y. Gas strainer. 1,886,150 ; Nov. 15.
Walkner, Fred W., Fort Dodge, Iowa. Rotatable advertising sign. 1,852,383 ; Apr. 5.
Wall, Charles F., Drexel Hill, assignor to Wall & Ochs, Incorporated, Philadelphia, Pa. Nose grip for eyeglasses. 1,868,450 ; July 19.
Wall, Marion P. (See West, L. B., and Wall.)
Wall & Ochs, Incorporated. (See Bowers, Frank E., assignor.)
Wall & Ochs, Incorporated. (See Harker, Frederick, assignor.)
Wall & Ochs, Incorporated. (See Wall, Charles F., assignor.)
Wall, P., Manufacturing Company. (See Leety, H. E., Eckert, and Page, assignors.)
Wallace, Allen, Moorestown, N. J. Oil-electric locomotive. 1,888,190 ; Nov. 15.
Wallace, Archibald L., Brooklyn, N. Y. Machine for internally threading sleeves. 1,846,925 ; Feb. 23.
Wallace, Archibald L., assignor to Metal Hose & Tubing Co., Inc., Brooklyn, N. Y. Hose coupling. 1,861,403 ; May 31.
Wallace, Benjamin F., Brooklyn, N. Y. Foundry facing and applying same to molds. 1,845,371 ; Feb. 16.
Wallace, Benjamin F., Brooklyn, N. Y. Compound for use in casting metals. 1,866,278 ; July 5.

Wallace, Benjamin F., Brooklyn, N. Y. Foundry facing. 1,808,646; July 26.

Wallace, Benjamin F., Brooklyn, N. Y. Sand core for casting metal and making same. 1,889,007; Nov. 29.

Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,890,479; Dec. 13.

Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,890,480; Dec. 13.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrically energized motor. 1,878,076; Sept. 20.

Wallace, Charles P., Lockport, N. Y. Folding paper box. 1,859,757; May 24.

Wallace China Company, Ltd. (See Apple, Adrian R., assignor.)

Wallace, Edwin C., West Newton, assignor to Warren Brothers Company, Cambridge, Mass. Penetration method of road construction. Re18,654; Nov. 15.

Wallace, Frank R. and J. T. Ramsden, assignors to The Tabor Manufacturing Company, Philadelphia, Pa. Equalizing support. 1,875,285; Aug. 30.

Wallace, Frederick Z., Brooklyn, assignor to Robeson Process Company, New York, N. Y. Adhesive cement. 1,848,981; Mar. 8.

Wallace, Fyler B., Stockport, Ohio. Propeller attachment. 1,874,213; Aug. 30.

Wallace, Halbert C., Fargo, N. Dak. Tractor mounting for grain blowers. 1,871,930; Aug. 16.

Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,857,112; May 3.

Wallace, James D., Washington, D. C. Apparatus for measuring the percentage of modulation. 1,884,934; Oct. 25.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton press. 1,745,572; Feb. 16.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Automatic cotton press retainer control. 1,848,285; Mar. 8.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Revolving screen cotton separator. 1,849,067; Mar. 15.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Distributor conveyer. 1,857,898; May 10.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton gin. 1,866,685; July 12.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Latch for cotton feeder chutes. 1,881,003; Oct. 4.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Double conveyer distributor. 1,885,656; Nov. 1.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton tramper. 1,891,295; Dec. 20.

Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut for aeroplanes. 1,888,578; Nov. 22.

Wallace, John F., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Airplane strut. 1,859,349; Oct. 11.

Wallace, Joseph, Cedarhurst, N. Y. Display apparatus. 1,848,283; Mar. 8.

Wallace, Kelly, Clay Township, Iowa. Tractor wheel lug 1,883,836; Oct. 18.

Wallace, Leonard S., New York, N. Y. Shooting salon 1,851,262; Jan. 12.

Wallace, Marcel. St. George, assignor of one-third to E. L. Corbett, Bronx County, N. Y. Radio beacon system. 1,878,737; Sept. 20.

Wallace, Maybelle K., New York, N. Y. Combination of box spring and mattress having pockets for selectively receiving the edges of the several bed coverings. 1,883,837; Oct. 18.

Wallace, Nancy K. (See Dunham, Robert, assignor.)

Wallace, Norman, Cumberland, assignor to Kelly-Springfield Tire Company, Cumberland, Md. Shoe sole. 1,845,008; Feb. 16.

Wallace, Philip B., San Mateo, Calif. Filter. 1,874,720; Aug. 30.

Wallace, R., & Sons Manufacturing Company. (See Gadd, Joseph O., assignor.)

Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)

Wallace & Tiernan Company. (See Booth, Lewis M. and G. M., assignors.)

Wallace & Tiernan Company. (See Peet, Gerald D., assignor.)

Wallace & Tiernan Products, Inc. (See Baker, John C., assignor.)

Wallace & Tiernan Products, Inc. (See Baker, J. C., and Schnee, Benjamin F.)

Wallace & Tiernan Products, Inc. (See Tanner, Harry L., assignor.)

Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)

Wallace, William, La Fayette, Ind. Basket ball bank board suspension. 1,848,446; Mar. 8.

Wallace, William W. (See Fuller, W. E., and Wallace.)

Wallbillich, John J., and F. J. Potter, assignors to General Motors Corporation, Detroit, Mich. Control mechanism for presses. 1,863,425; June 14.

Walle, Ludvig S. (See Paxton, R., and Walle.)

Wallen, Arthur C., Bronxville, N. Y., assignor to Truscon Steel Company, Youngstown, Ohio. Making poles. 1,880,000; Sept. 27.

Wallen, Newton A., Fremont, Va. Grease gun. 1,846,167; Feb. 23.

Wallenbeck, William G., Chicago, Ill. Holder for safety razor blades. 1,888,579; Nov. 22.

Wallenbeck, William G., Chicago, Ill. Razor strop. 1,889,797; Dec. 6.

Wallenberg, Frank J, and A. McQuinn, Tonawanda, assignors, by mesne assignments, to Jiffy Battery Terminal Corporation, Buffalo, N. Y. Battery terminal. 1,859,545; May 24.

Wallens, Sidney S., et al. (See Tuzzo, Nicholas, assignor.)

Wallenstein, Charles. (See Hacker, H., and Wallenstein.)

Wallenta, Bernhard H. A., Western Springs, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ignition coil. 1,882,460; Oct. 11.

Waller, Edward A., Chicago, Ill. Multicolor printing press. 1,890,922; Dec. 13.

Waller, John A., Beverly Hills, assignor to Wallace Manufacturing Corporation, Ltd., Los Angeles, Calif. Apparatus for dressing circular saws. 1,852,276; Apr. 5.

Waller, John A., Beverly Hills, assignor to Waller Manufacturing Corporation, Ltd., Los Angeles, Calif. Lighting device for orchard heaters. 1,859,609; May 24.

Waller, John A., Beverly Hills, assignor to Waller Manufacturing Corporation, Ltd., Los Angeles, Calif. Saw clamp. 1,867,042; July 12.

Waller, John A., Beverly Hills, assignor to Waller Manufacturing Corporation, Ltd., Los Angeles, Calif. Saw clamp. 1,877,096; Sept. 13.

Waller, John A., Beverly Hills, assignor to Waller Manufacturing Corporation, Ltd., Los Angeles, Calif. Device for setting circular saws. 1,878,077; Sept. 20.

Waller, Lee R., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,883,137; Oct. 18.

Waller Manufacturing Corporation. (See Waller, John A., assignor.)

Waller Manufacturing Corporation, Ltd. (See Waller, John A., assignor.)

Waller, Ovando W., Los Angeles, Calif. Tie holder. 1,856,301; Nov. 22.

Wallerstein Company. (See Wallerstein, Leo, assignor.)

Wallerstein Company. (See Wallerstein, Max, assignor.)

Wallerstein Company, Inc. (See Wallerstein, Leo, assignor.)

Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Degumming silk. 1,855,431; Apr. 26.

Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Invertase preparation and making the same. 1,855,591; Apr. 26.

Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Invertase preparation and making the same. 1,855,592; Apr. 26.

Wallerstein, Leo, assignor to Wallerstein Company, Inc. New York, N. Y. Degumming silk. 1,877,097; Sept. 13

Wallerstein, Max, assignor to Wallerstein Company, Inc. New York, N. Y. Making chocolate sirup and product thereof. 1,854,353; Apr. 19.

Wallerstein, Max, assignor to Wallerstein Company, Inc., New York, N. Y. Making chocolate sirup. 1,854,354; Apr. 19.

Wallerstein, Max, assignor to Wallerstein Company, Inc., New York, N. Y. Making chocolate sirup. 1,854,355; Apr. 19.

Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 1,871,485; Aug. 16.

Wallgren, August G. F. (See Aktiebolaget Nomy, assignor.)

Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Shaft bearing. 1,882,102; Oct. 11.

Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Shaft bearing. 1,882,103; Oct. 11.

Wallin, Fredd, New York, N. Y. Handle attaching means for brooms and the like. 872,534; Aug. 16.

Wallin, Harry W., Des Moines, Iowa. Coaster and track therefor. 1,852,384; Apr. 5.

Wallin, Oscar H., Stockholm-Lidingo, Sweden. Heating apparatus for fluid circulation systems. 1,890,025; Dec. 6.

Walling, William R., Los Angeles, Calif. Luminous sign. 1,840,419; Jan. 12.

Wallingford Company, The. (See Smith, Emil, assignor.)

Wallis, Barnes N., Weybridge, England. Frame structure. 1,846,772; Feb. 23.

Wallis, Barnes N., assignor to Vickers (Aviation) Limited, Weybridge, England. Apparatus for assembling and securing strengthening members to the ends of tubular members. 1,891,127; Dec. 13.

Wallis, Charles W., Toronto, Ontario, Canada. Steam shovel. 1,840,002; Jan. 5.

Wallis, Ernest A. (See Fegely, John P., assignor.)

Wallis, John S. (See Titus, H. J., and Wallis.)

Wallis, John S., assignor to Alco Products, Incorporated, New York, N. Y. Tray construction for bubble towers. 1,882,104; Oct. 11.

Wallis, William L., College Park, Ga. Smoker's stand or similar article. Des. 88,741; Dec. 20.

Wallmuth, Albert A., Chicago, Ill., assignor, by mesne assignments, to Minneapolis Linen Supply Company, Minneapolis, Minn. Bib apron. 1,876,529; Sept. 6.

Wallo, Olav, Minneapolis, Minn. Powder-dispensing device. 1,868,298; July 19.

Wallraff, William H., et al. (See Huber, Paul J., assignor.)

Wallstab, Goswin, Berlin, Germany. Headlight for motor vehicles. 1,859,834; May 24.

Walmsley, Charles, & Company (Canada) Limited. (See Broadhurst, Thomas H., assignor.)

Walp, Charles F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Skid. 1,876,807; Sept. 13.

Walper, Curry O., Huntington Woods, Mich. Manufacturing wall board channels. 1,888,151; Nov. 15.

Walrath, John H., and K. Schwartz, Syracuse, N. Y., decreased; E. J. Schnal, executrix, assignor to said Walrath. Traffic signal. 1,852,989; Apr. 5.

Walrath, Percy C., assignor to Skinner Motors, Inc., Detroit, Mich. Internal combustion engine sealing ring locating means. 1,871,250; Aug. 9.

Walsh, Arthur E., Chicago, Ill. Hair waver. 1,865,655; July 5.

Walsh-Bugbee Co. (See Roane, Robert R., assignor.)

Walsh, Carlin A., Cambridge, Mass. Footwear. 1,854,969; Apr. 19.

Walsh, Dudley A., New Orleans, La. Sugar crystallizer. 1,890,632; Dec. 13.

Walsh, George E., Los Angeles County, Calif. Shoe. 1,887,725; Nov. 15.

Walsh, Harold V. (See Rice, H. N., and Walsh.)

Walsh, Harry. (See Heisenfeldt, J., and Walsh.)

Walsh, James F. (See Bowker, W., and Walsh.)

Walsh, James F., South Orange, N. J., assignor to Celluloid Corporation. Laminated glass. 1,875,964; Sept. 6.

Walsh, James F., East Orange, and W. Bowker, Newark, N. J., assignors to Celluloid Corporation. Coloring thermoplastic materials. 1,867,040; Feb. 16.

Walsh, James F., East Orange, and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Solvent for organic esters of cellulose. 1,867,040; July 12.

Walsh, James F., East Orange, and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Composition containing cellulose derivatives and making the same. 1,873,269; Aug. 23.

Walsh, Joseph W. (See Goodall, H. W., and Walsh.)

Walsh, Mathew J., Milwaukee, Wis. Dressing tool. 1,870,659; Aug. 13.

Walsh, Nicholas J., assignor to Weber Electric Company, Schenectady, N. Y. Electrical switch. 1,860,877; May 31.

Walsh, Nicholas J., and W. L. Butler, assignors to Weber Electric Company, Schenectady, N. Y. Electrical switch. 1,860,876; May 31.

Walsh, Philip J., San Francisco, Calif. Constant current amplifier system. 1,857,901; May 10.

Walsh, William E., assignor to The Connecticut Hard Rubber Company, New Haven, Conn. Throat applicator. 1,858,694; May 17.

Walsoe, Sigurd E. (See Hart, F. A., and Walsoe.)

Walstrom, Axel M., Minneapolis, Minn. Metal hoop. 1,842,778; Jan. 26.

Walstrom, Axel M., Minneapolis, Minn. Butter tub cover. 1,859,639; May 24.

Walten, Alfred L., Blackpool, England. Needle for sound reproducing instruments. 1,879,722; Sept. 27.

Walton, Max, Washington, D. C. Eaves-trough hanger. 1,867,121; July 12.

Waltenberg, Romaine G., Roselle, H. E. Holbrook, Irvington, and B. Brenner, Elizabeth, assignors to The H. A. Wilson Company, Newark, N. J. Alloy. 1,850,818; Mar. 22.

Waltenberg, Romaine G., Roselle, H. E. Holbrook, Irvington, and B. Brenner, Elizabeth, assignors to The H. A. Wilson Company, Newark, N. J. Alloy. 1,850,819; Mar. 22.

Walter, Albert U., Govans, Md. Liquid dispensing device. 1,876,157; Sept. 6.

Walter, B., & Company. (See Walter, Frederick B., assignor.)

Walter, Bertha B., executrix. (See Walter, Raymond A.)

Walter, Charles T. (See McKee, H. H., and Walter.)

Walter, Charles T. (See Regensburger, R. W., and Walter.)

Walter, Charles T., assignor to Swift and Company, Chicago, Ill. Meat packing conveyer. 1,886,926; Nov. 8.

Walter, Charles V., Bronxville, N. Y. Grinding machine. 1,886,994; Nov. 8.

Walter, Edward C., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Card index. 1,846,662; Feb. 23.

Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,858,290; May 17.

Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Desk stand. 1,885,138; Oct. 18.

Walter, Erich. (See Hartung, C. A., and Walter.)

Walter, Ernest, and E. E. Koehler, assignors to Porete Mfg. Co., Newark, N. J. Filler block. 1,876,808; Sept. 13.

Walter, Frank. (See Milner, E., and Walter.)

Walter Fred Hosiery Mills, Inc. (See Vogler, Max P., assignor.)

Walter, Frederick B., assignor to B. Walter & Company, Inc., Wabash, Ind. Extension table. 1,842,304; Jan. 19.

Walter, Frederick B., assignor to B. Walter & Company, Inc., Wabash, Ind. Extension table. 1,853,009; Apr. 5.

Walter, Frederick B., assignor to B. Walter & Company, Inc., Wabash, Ind. Table slide support. 1,883,176; Oct. 18.

Walter, Georg, Vienna, Austria, assignor to I. J. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of artificial masses. 1,863,426; June 14.

Walter, George A., Ithaca, N. Y. Container. 1,887,075; Nov. 8.

Walter, George F., Maplewood, N. J. Multiple recording unit. 1,864,566; June 28.

Walter, George F., Maplewood, N. J., assignor of one-half to H. P. Sleeper, Short Hills, N. J. Live-wire detector. 1,867,901; July 19.

Walter, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,877,153; Sept. 13.

Walter, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Soldering apparatus. 1,884,935; Oct. 25.

Walter, Georges, Perroy, Switzerland. Mold for manufacturing hollow bodies of cement by the centrifugal method. 1,889,428; Nov. 29.

Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Method of and apparatus for assembling plural blank boxes. 1,859,640; May 24.

Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Container. 1,878,351; Sept. 20.

Walter, Henry L., Twin Falls, Idaho. Liquid mixing apparatus. 1,883,139; Oct. 18.

Walter, Hugo F. (See Farley, F. S., and Walter.)

Walter, John C., and R. Vogt, Oakley, assignors to The Alvey-Ferguson Company, Cincinnati, Ohio. Conveyer. 1,883,426; Oct. 18.

Walter, John J., Deceased, by S. M. Walter, executrix, Glendale, Calif. Crude oil distilling apparatus. 1,854,086; Apr. 12.

Walter, Kent E., assignor to Transue and Williams Steel Forging Corporation, Alliance, Ohio. Caster. 1,868,552; July 26.

Walter, Otto, Perrysville, Ind. Apparatus for making roof tiles. 1,846,290; Feb. 23.

Walter, Ralph C., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rolling mill. 1,883,140; Oct. 18.

Walter, Raymond A., assignor to Conveyor Sales Company, New York, N. Y. Combination elevator and conveyer. 1,845,066; Feb. 16.

Walter, Raymond A., New York, N. Y., assignor, by mesne assignments, to Goodman Manufacturing Company, Chicago, Ill. Loading attachment for reciprocating conveyers. 1,854,283; Apr. 19.

Walter, Raymond A., deceased, New York, N. Y.; B. B. Walter, executrix, assignor to Goodman Manufacturing Company, Chicago, Ill. Connecter link. 1,878,044; Sept. 20.

Walter, Richard R., Starnberg, Germany. Producing sintered alloys. 1,856,607; May 3.

Walter, Richard R., Starnberg, Germany. Alloy of azotized character. 1,864,567; June 28.

Walter, Stella M., executrix. (See Walter, John J.)

Walter, Wilhelm, Cologne-Niehl, E. Hartmann, and H. Tertmeyer, Dormagen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Concentration of aliphatic carboxylic acids. 1,854,568; Apr. 19.

Walter, William, New York, N. Y., assignor to Racine Confectioners Machinery Company, Racine, Wis. Apparatus for molding confections. 1,859,719; Jan. 5.

Walter, William H., Cynwyd, Pa. Making cores. 1,864,107; June 21.

Walters, August J., Maple Heights, Ohio. Sand blast apparatus. 1,849,895; Mar. 15.

Walters, Fred G., London, England, assignor, by mesne assignments, to Ideal Roller & Manufacturing Company, Chicago, Ill. Roller. 1,856,035; May 3.

Walters, George, administrator. (See Berryman, Marsden L.)

Walters, Herbert C., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,871,931; Aug. 16.

Walters, Hugo L., Cleveland, Ohio. Interior building wall structure. 1,876,525; Sept. 6.

Walters, John L., Detroit, Mich., assignor to Superior Safety Furnace Pipe Company. Furnace. 1,861,767; June 7.

Walters, Ralph S., Grant, Nebr. Combine. 1,859,759; May 24.

Walters, Robert M. (See Spigelmire, C. E., and Walters.)

Walters, Rollo F. (See Hall, C. L., and Walters.)

Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. Re18,589; Sept. 6.

Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener secured trim strip installation. 1,845,991; Feb. 16.

Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Upholsterer's tool. 1,867,041; July 12.
Walters, William R., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Mowing mechanism. 1,869,123; July 26.
Walters, William T. (See Linfert, W., and Walters.)
Walthall, George D. (See Murdock, William J., assignor.)
Walther, George, Dayton, Ohio. Wheel. 1,869,634; Aug. 2.
Walther, George, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,839,453; Jan. 5.
Walther, George, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,869,635; Aug. 2.
Walther, George, Montgomery County, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,864,701; June 28.
Walther, George, Montgomery County near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,884,936; Oct. 25.
Walther, George, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,878,213; Sept. 20.
Walther, George, and G. A. and H. Baker, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Interchangeable wheel mounting. 1,849,650; Mar. 15.
Walther, Heinrich, Frankfort-on-the-Main-Oberrad, Germany. Shoe cementing machine. 1,854,284; Apr. 19.
Walther, Heinrich, Frankfort-on-the-Main-Oberrad, Germany. Machine for cementing leather soles to shoes. 1,852,533; Oct. 11.
Walther, Wilhelm. (See Breitbart, H., Kurtz, and Walther.)
Walther, Wilhelm. (See Rehm, A., Wolff, and Walther.)
Walthers, Harry B., Omaha, Nebr. Dentist's and doctor's lamp. 1,850,219; Mar. 22.
Walthers, Lawrence, Madison, Wis. Building construction. 1,883,141; Oct. 18.
Walton, Alexander R., Lakewood, Ohio. Barrel-making machine and method. 1,853,102; Apr. 12.
Walton, Charles D., and W. Smith, Cumberland, Md., assignors to Celanese Corporation of America. Process and apparatus for manipulating textile materials. 1,871,930; Aug. 9.
Walton, Clifford T., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Device for the transmission of power. 1,878,078; Sept. 20.
Walton, Frank W., East Orange, N. J., assignor to Westinghouse Lamp Company. Mandrelless spaced coiling machine. 1,842,223; Jan. 19.
Walton, George M., assignor to Air Maze Corporation, Cleveland, Ohio. Air cleaner. 1,876,368; Sept. 6.
Walton, George P., and R. F. Gardiner, Washington, D. C. Fertilizer material and manufacturing the same. 1,858,230; May 10.
Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Lock for sliding closure. 1,845,458; Feb. 16.
Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Window. 1,854,005; Apr. 19.
Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Advertising display device. 1,882,354; Oct. 11.
Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Window latch. 1,885,658; Nov. 1.
Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Explosion-release mechanism for windows. 1,887,484; Nov. 8.
Walton, James O., Brooklyn, N. Y., assignor to The Anchor Packing Company, Philadelphia, Pa. Process and apparatus for manufacturing packing. 1,856,086; May 3.
Walton, Norris. (See Smith, H. W., Braasch, and Walton.)
Walton, Oliver H., Needham Heights, Mass. Elastic knitted fabric. 1,850,303; Oct. 4.
Walton, Oliver H., Needham, Mass. Machine for knitting elastic fabric. 1,850,304; Oct. 4.
Walton, Oliver, Herbert, Needham Heights, Mass. Surgical stocking. 1,885,394; Nov. 1.
Walton Products Company. (See Stickel, C. W., and Beldue, assignors.)
Walton, Samuel F., Hamburg, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Nonweathering glazed aggregate and preparation of the same. 1,855,210; Apr. 26.
Walton, Samuel F., Hamburg, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Nonweathering pigment and preparing the same. 1,855,211; Apr. 26.
Walton, Samuel F., Hamburg, assignor to The Exolon Company, Blasdell, N. Y. Protective refractory glaze and applying the same to refractory bodies containing silicon-carbide. 1,868,451; July 19.
Walton, Samuel F., Hamburg, assignor to The Exolon Company, Blasdell, N. Y. Production of abrasive flours. 1,875,531; Sept. 6.
Waltz, Elmer J., Riverside, N. J. Chromium plating. 1,890,633; Dec. 13.
Waltz, John W., Ridgefield, N. J., assignor to C. R. Daniels Inc., New York, N. Y. Fastener for tarpaulins. 1,871,101; Aug. 9.
Walworth, Arthur C., Newton, Mass. Radiator. 1,869,637; Aug. 2.
Walworth Patents Inc. (See Bard, Francis N., assignor.)
Walworth Patents Inc. (See Martin, Jesse C., Jr., assignor.)
Walz, Erwin, Mannheim, and O. Ambros, Ludwigshafen-on-the-Rhine, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Production of sterols and other valuable substances from yeast and like microorganisms. 1,840,756; Jan. 12.
Walz, Frank C. (See Pietenpol, W. B., and Walz.)
Wamoscher, Laszalo. (See Von Bogdandy, S., and Wamoscher.)
Wanamaker, Ernest, Chicago, Ill., assignor to U. S. Oil and Service Corporation, New York, N. Y. Bushing for rotary members. 1,863,974; June 21.
Wanamaker, Ernest, Chicago, Ill., assignor to U. S. Oil and Service Co., New York, N. Y. Oil drainage collecting apparatus. 1,880,540; Oct. 4.
Wanamaker, George L., Ambridge, Pa., assignor to National Electric Products Corporation, New York, N. Y. Deep sea telephone, life line, and diving cable. 1,849,060; Sept. 27.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Stripping mechanism for hosiery driers. 1,877,187; Aug. 2.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Automatic hosiery drier clamp closer. 1,880,054; Oct. 4.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Automatic hosiery drier table leveling mechanism. 1,880,548; Oct. 4.
Wander, Frederick, jr., New York, N. Y. Helico-lift autorotor for aircraft and the like. 1,839,550; Oct. 4.
Wanders, Hans H., Hingham, Mass. Dispenser for tapes. 1,892,544; Dec. 27.
Wandersleb, Ernst. (See Mertè, W., and Wandersleb.)
Wanderwell, Walter, Miami, Fla. Automobile. Des. 87,494; Aug. 2.
Wandscheer, Ben, et al. (See Wandscheer, Dan, assignor.)
Wandscheer, Dan, assignor of one-fourth to G. Wandscheer, one-fourth to J. Wandscheer, and one-fourth to Ben Wandscheer, Dubuque, Iowa. Snow remover. 1,886,069; Nov. 1.
Wandscheer, Gerrit, Sioux Center, Iowa. Snowplow. 1,844,706; Feb. 9.
Wandscheer, Jacob, et al. (See Wandscheer, Dan, assignor.)
Wandtke, Frank F., West Duluth, Minn. Safety door holder. 1,852,990; Apr. 5.
Wanek, Louis F. (See Wawpotich, F., and Wanek.)
Wangelin, Walter H., St. Louis, Mo. Jolter. 1,890,171; Dec. 6.
Wangen, Elmer M., Duluth, Minn. Line reading device. 1,858,750; Nov. 22.
Wangersheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 86,756; Apr. 12.
Wangersheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 87,138; June 7.
Wangersheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 87,139; June 7.
Wanlinger, Carl, Dusseldorf, assignor to the Firm Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Hydraulic brake. 1,860,756; May 31.
Wannack, Carl O., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Apparatus for generating combustible gas. 1,854,419; Apr. 19.
Wannack, Carl O., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Generating a combustible gas. 1,883,142; Oct. 18.
Wannack, Carl O., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Apparatus for generating combustible gas. 1,883,143; Oct. 18.
Wannack, Carl O., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Making carburetted air gas. 1,888,059; Nov. 15.
Wannemacher, George P., New York, N. Y., assignor to The Amalgamated Dental Co., Ltd., London, England. Shade guide. 1,842,023; Jan. 26.
Wanner, Albert J., assignor of one-half to C. C. Jacobs, Akron, Ohio. Mechanical movement. 1,873,230; Aug. 23.
Wanner, Erich. (See Hagenbach, E., Mettler, and Wanner.)
Wanner, George D., Dayton, Ohio. Miniature airplane. 1,888,840; Nov. 22.
Wanner, Harry C. (See Netienstrom, David, assignor.)
Wanner, Harry C., Chicago, Ill. Electric circuit controlling device. 1,841,166; Jan. 12.
Wansor, William B., Locust Valley, N. Y. Cigarette holder. 1,844,813; Feb. 9.
Wantz, Clarence. (See Leins, O. J., and Wantz.)
Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,866,141; July 5.
Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,876,437; Sept. 6.

Wantz, Julius B., Oak Park, assignor to Victor X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,877,260; Sept. 13.

Waples, Robert M. (See Hubbard, C. R., and Waples.)

Waples, Rufus, Philadelphia, Pa. Bookstand. 1,875,785; Sept. 6.

Wappler Electric Company. (See Fayer C., assignor, and Kremer.)

Wappler Electric Company. (See Mutscheller, Arthur, assignor.)

Wappler Electric Company. (See Mutscheller, A., and Larsen, assignors.)

Wappler Electric Company. (See Wappler, Reinhold H., assignor.)

Wappler Electric Company, Inc. (See Fayer, Charles, assignor.)

Wappler, Frederick C., New York, N. Y. Surgical sterilizer. 1,861,763; June 7.

Wappler, Reinhold H., Yonkers, N. Y. Catheterizing instrument. 1,861,769; June 7.

Wappler, Reinhold H., Yonkers, N. Y. Endoscope. 1,850,551; Oct. 4.

Wappler, Reinhold H., Yonkers, assignor to Wappler Electric Company, Inc., Long Island City, N. Y. X-ray shield. 1,874,672; Aug. 30.

Warager, Leonard C., Floral Park, N. Y., assignor to Shen Manufacturing Company, Germantown, Pa. Display and dispensing hook. 1,890,854; Dec. 13.

Warburton, Thomas, Manchester, England. Production of the acid sulphate and the normal sulphate of alphanaphthylamine. 1,859,560; May 31.

Ward, Abraham, San Francisco, Calif. Surgical and dental pack compositions and method of applying the same. 1,866,433; July 5.

Ward, Artemas Inc. (See Giles, Harvey, assignor.)

Ward, Ashley F., assignor to Ashley F. Ward, Inc., Cincinnati, Ohio. Making pie crust. 1,870,882; Aug. 9.

Ward, Ashley F. and P. S., assignors to Ashley F. Ward, Inc., Cincinnati, Ohio. Dough dividing machine. 1,845,246; Feb. 1.

Ward, Ashley F., and P. S., assignors to Ashley F. Ward, Inc., Cincinnati, Ohio. Set of baking pans. 1,859,855; May 24.

Ward, Ashley F., Inc. (See Ward, Ashley F., assignor.)

Ward, Ashley F., Inc. (See Ward, Ashley F. and P. S., assignors.)

Ward Baking Company. (See Helle, Harriet, assignor.)

Ward Baking Company. (See Hoffman, Charles, assignor.)

Ward, Charles A. (See Fischer, H. L., and Ward, assignors.)

Ward, Charles A., New Rochelle, and O. E. H. Froelich, Queens Village, assignors to Ward Motor Vehicle Company, Mount Vernon, N. Y. Electric ice cream delivery truck. 1,887,224; Nov. 8.

Ward, Charles B., Detroit, Mich. Can or pail hand truck. 1,873,690; Aug. 23.

Ward, Clarence F., Birmingham, Ala. Pipe laying apparatus. 1,866,381; July 5.

Ward, Ernest H., East Orange, assignor to Lea Fabrics, Inc., Newark, N. J. Method and apparatus for making pile fabrics. 1,864,478; June 21.

Ward, Ernest H., East Orange, and E. G. Jegge, Montclair, assignors to Lea Fabrics Inc., Newark, N. J. Making cemented pile fabrics. 1,869,531; Aug. 2.

Ward, Fernald G., Boston, Mass., assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Display device. 1,841,561; Jan. 19.

Ward, George E., Los Angeles, and O. S. Palmer, Glendale, Calif., assignors to Davis Standard Bread Company. Dough rolling machine. 1,878,352; Sept. 20.

Ward, Henry L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing composite articles. 1,861,945; June 7.

Ward, Hugh H., jr., Chester, Pa. Insulated lid or cover. 1,871,138; Aug. 9.

Ward, J. H., et al. (See Hamby, Joseph E., assignor.)

Ward, James E., Rockford, Mich. Gate. 1,839,624; Jan. 5.

Ward, James E., Rockford, Mich. Stone gatherer. 1,845,459; Feb. 16.

Ward, John J., assignor to Johnson Bronze Company, New Castle, Pa. Marking machine for sleeve bearings. 1,892,545; Dec. 27.

Ward, Kenneth B. (See Thorson, L. M., and Ward.)

Ward, Lawrence A., Selma, Ala. Collapsible reel. 1,854,320; Apr. 19.

Ward, Lawrence T. (See Fowler, T. S., and Ward.)

Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Traverse roller for Venetian blinds. 1,845,856; Feb. 16.

Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Head bar bracket for Venetian blinds. 1,845,857; Feb. 16.

Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Skylight blind. 1,888,522; Nov. 22.

Ward Leonard Electric Company. (See Bullinger, Frederic H., assignor.)

Ward Leonard Electric Company. (See Kouyoumjian, Haroutiun K., assignor.)

Ward Leonard Electric Company. (See Terwilliger, Charles O., assignor.)

Ward, Louis E. (See Hunter, Ralph M., and Ward, assignors.)

Ward, Louis E., assignor to The Dow Chemical Company, Midland, Mich. Opening bags. 1,863,775; June 21.

Ward, Louis E., and R. M. Hunter, assignors to The Dow Chemical Company, Midland, Mich. Electrolytic apparatus. 1,851,789; Mar. 29.

Ward, Louis E., and R. M. Hunter, assignors to The Dow Chemical Company, Midland, Mich. Electrolytic apparatus. 1,863,385; June 14.

Ward-Love Pump Corporation. (See Harwood, S. G., and Griswold, assignors.)

Ward-Love Pump Corporation. (See Johnson, Oscar W., assignor.)

Ward, Marshall H., Brooklyn, N. Y. Thermostat device. 1,844,488; Feb. 9.

Ward, Michael J., et al. (See Hines, Martin, assignor.)

Ward Motor Vehicle Company. (See Ward, C. A., and Froelich, assignors.)

Ward, Paul S. (See Ward, Ashley F. and P. S.)

Ward, Richard H., Queens Village, assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Dust filter for radiator covers. 1,880,552; Oct. 4.

Ward, Rufus L., Irving, Tex. Road maintenance and building machine. 1,884,426; Oct. 25.

Ward, Stanley, Orpington, assignor to Carrier-Ross Engineering Company, Limited, London, England. Method and apparatus for exhausting moisture laden gases. 1,847,795; Mar. 1.

Ward, William, assignor to Electric Boat Company, Groton, Conn. Air starting system for internal combustion engines. 1,870,809; Sept. 13.

Ward, William W., assignor of one-half to C. T. Jimison, Barboursville, W. Va. Ballast cutting shoe for railway tracks. 1,860,111; May 5.

Ward, Willis C., Orchard Lake, Mich. Card rack for bridge tables. 1,881,064; Oct. 4.

Wardle, Franklin M. (See Green, J. Birchard, assignor.)

Warden, Franklin M. (See Holt, Robert W., assignor.)

Warden, Rolf T., Brooklyn, N. Y. Identification umbrella handle. 1,840,003; Jan. 5.

Wardle, Walter. (See Bacshaw, C. M., and Wardle.)

Wardley, Thomas, Greenford, England, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeding apparatus. 1,884,427; Oct. 25.

Wardley, Timothy C., assignor to T. E. Bissell Company, Elora, Ontario, Canada. Disk harrow. 1,858,756; May 17.

Wardropper, Joseph B. (See Crittall, W. F., and Wardropper.)

Wardwell Braiding Machine Company. (See Bardsley, Willard W., assignor.)

Wardwell, Frank W., jr., assignor to The Wardwell Manufacturing Company, Cleveland, Ohio. Saw filing machine. 1,853,245; Apr. 12.

Wardwell, Frank W., assignor to The Wardwell Manufacturing Company, Cleveland, Ohio. Saw making machine. 1,867,240; July 12.

Wardwell, Frank W., assignor to The Wardwell Manufacturing Company, Cleveland, Ohio. Saw making machinery. 1,872,535; Aug. 6.

Wardwell, George W. (See Bell, S. R., and Wardwell.)

Wardwell, Joseph B., Stamford, Conn. Shipping case. 1,866,183; July 5.

Wardwell Manufacturing Company, The. (See Wardwell, Frank W., assignor.)

Wardwell Manufacturing Company, The. (See Wardwell, Frank W., jr., assignor.)

Ware, Herbert M., South Croydon, assignor to Associated Ice & Debtrie Limited, Manchester, England. Forming cardboard and similar cartons or containers. 1,864,479; June 21.

Ware, Melvin R., Baltimore, Md., assignor to Johns-Manville Corporation, New York, N. Y. Making paper and felted sheet materials. 1,883,144; Oct. 18.

Ware, Raymond, Brookline, Mass. Piston. 1,864,384; June 21.

Ware, Richard P., assignor to Package Improvement Co., Inc., Detroit, Mich. Cigarette package. 1,889,232; Nov. 29.

Waream, Charles E., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing and ironing machine. 1,871,436; Aug. 16.

Wares, Florence, Seattle, Wash. Furnace. 1,860,442; May 31.

Wares, Florence, Seattle, Wash. Furnace front. 1,860,443; May 31.

Warfel, William F., Wendling, Oreg. Aircraft propeller. 1,880,717; Nov. 29.

Warfield, Ray M., Chicago, Ill., assignor, by mesne assignments, of one-third to Stanley Steam Motors Corporation. Steam generator. 1,883,145; Oct. 18.

Warford, Norman L., Rahway, N. J. Game board. Des. 86,000; Jan. 12.

Waring, Alfred H. (See Hughes, G. E., Waring, and Pesham.)

Waring, Charles E. (See Stand, C. J., and Waring.)

Waring, Guy H. (See Waring, William G., and G. H.)

Waring, John N. (See Beaumont, T. E., and Waring.)

Waring, William G., Webb City, and G. H. Waring, Oronogo, Mo. Refining zinciferous material. 1,879,834; Sept. 27.

Wark, Joseph A., Barre, Vt. Fishing device. 1,847,798; Mar. 1.
Warman & Cook, Inc. (See Cook, William, assignor.)
Warmer, E. J. P. (See Vorbies, Roy L., assignor.)
Warming, Kai, Copenhagen, Denmark. Machine for handling of superphosphate or the like. 1,847,543; Mar. 1.
Warmoth, Henry E., Stilesville, assignor of one-half to P. Daugherty, Indianapolis, Ind. Combined vending and amusement device. 1,850,553; Oct. 4.
Warncke, George L., Cannondale, Conn. Appliance and method for heading barrels. 1,846,773; Feb. 23.
Warne, Willard. (See MacDonald, James A., assignor.)
Warner, Archibald A., Royal Oak, Mich. Universal joint. 1,885,646; Nov. 1.
Warner, Archibald A., Royal Oak, assignor to The Universal Products Co., Inc., Dearborn, Mich. Guide and protector for universal joints, etc. 1,854,873; Apr. 19.
Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Electromagnetic friction device. 1,844,827; Feb. 9.
Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Electric friction brake. 1,861,729; June 7.
Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Friction device. 1,866,586; July 12.
Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Electromagnetic friction device. 1,880,061; Sept. 27.
Warner, Arthur W., Media, and R. F. Ballard, Chester, assignors to Tunnel and Mine Machinery Company, Philadelphia, Pa. Forming tunnel walls and unit for use therein. 1,866,242; July 5.
Warner, Arthur W., Media, and R. F. Ballard, Chester, assignors to Tunnel and Mine Machinery Company, Philadelphia, Pa. Tunnel wall block. 1,870,539; Aug. 9.
Warner, Arthur W., Media, and R. F. Ballard, Chester, assignors to Tunnel and Mine Machinery Company, Philadelphia, Pa. Jack mechanism. 1,878,738; Sept. 20.
Warner, Bradford G., Fairfield, assignor to The Warner Brothers Company, Bridgeport, Conn. Paper box. 1,873,085; Aug. 23.
Warner Brothers Company, The. (See Warner, Bradford G., assignor.)
Warner Bros. Pictures, Inc., et al. (See del Riclo, Lorenzo, jr.)
Warner, Charles L., Milford, assignor to Baird-Warner, Incorporated, Bridgeport, Conn. Oil burner. 1,879,596; Sept. 27.
Warner, Charles N., New York, N. Y. Acoustic device. 1,845,733; Feb. 16.
Warner, Donald F. (See Grubre, L. E., Warner, and Erickson.)
Warner, Donald F., Lynn, Mass., assignor to General Electric Company. Elastic fluid turbine. 1,854,006; Apr. 12.
Warner, Douglas K., Watkins Glen, N. Y. Air cushion boat. 1,855,076; Apr. 19.
Warner, Douglas K., Watkins Glen, N. Y. Food freezing. 1,884,429; Oct. 25.
Warner, Douglas K., Bristol, Conn. Making frozen brine. 1,884,428; Oct. 25.
Warner, Edward C., et al. (See Smith, Larry L., assignor.)
Warner Electric Brake Corporation. (See Warner, Arthur P., assignor.)
Warner Electric Brake Corporation. (See Whyte, John, assignor.)
Warner Elevator Manufacturing Company, The. (See Brown, A. T., and Liebenberg, assignors.)
Warner, Emerson R., Meriden, Conn., assignor to The Stanley Works, New Britain, Conn. Handgrip. 1,860,561; May 31.
Warner Gear Company. (See Davis, Ernest F., assignor.)
Warner Gear Company. (See Robbins, Henry H., assignor.)
Warner Gear Company. (See White, Samuel O.)
Warner, Georgia M., Hartford, Conn. Measuring dispenser. 1,848,919; Mar. 8.
Warner, Glenn S., Palo Alto, Calif. Shoulder protector. 1,887,473; Nov. 8.
Warner, Harold E., West Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire testing machine. 1,875,786; Sept. 6.
Warner, Jacob M., Bryn Mawr, Pa. Automatic water shed for inside casements. 1,891,073; Dec. 13.
Warner, James W., jr. (See Tallman, Albert R., assignor.)
Warner, Joy M., Santa Paula, Calif. Fruit washer. 1,854,433; Apr. 19.
Warner, Lester C., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Time-of-day announcing system. 1,866,606; July 12.
Warner, Noah L. (See Legullion G. W., and Warner.)
Warner, Noah L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building tool. Re18,304; Mar. 22.
Warner, Noah L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 1,844,489; Feb. 9.
Warner, Raymond M., Barberton, Ohio, assignor, by mesne assignments, to The Miller Rubber Company Inc., Wilmington, Del. Cementing rubber to metal and product. 1,869,639; Aug. 2.
Warner, Raymond M., Barberton, Ohio, assignor, by mesne assignments, to The Miller Rubber Company Inc., Wilmington, Del. Rubber cement and producing the same. 1,869,638; Aug. 2.
Warner, Samuel T. (See Leask, J. P., and Warner.)
Warner, Samuel T., assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burning apparatus. 1,865,983; July 5.
Warner & Swasey Company, The. (See Bogart, Fred H., assignor.)
Warner & Swasey Company, The. (See Burrell, Edward P., assignor.)
Warner & Swasey Company, The. (See Lange, Max E., assignor.)
Warner & Swasey Company, The. (See Norton, T., and Lange, assignors.)
Warner-Swasey Company. (See Trumphour, W. L., and Lange, assignors.)
Warner & Swasey Company, The. (See Van Hamersveld, John J., N., assignor.)
Warner, William F., jr., assignor to Henry Connolly Company, Inc., Rochester, N. Y. Loose leaf binder. 1,888,020; Nov. 15.
Warning, William G., and T. W. Schilb, St. Louis, Mo., assignors to Swann Research, Inc. Tri-calcium phosphate and aluminum phosphate composition salt filler. 1,885,733; July 5.
Warnke, Carl J., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,883,146; Oct. 18.
Warnke, Fred L., Hartford, Conn. Smoking pipe. 1,892,324; Dec. 27.
Warnock, Charles A., Los Angeles, Calif. Ventilator for vehicles. Des. 87,451; July 26.
Warr, Harold G., Park Ridge, assignor to Maintenance Equipment Company, Chicago, Ill. Wheel flange oiler. 1,839,427; Jan. 5.
Warr, Harold G., Park Ridge, assignor to Maintenance Equipment Company, Chicago, Ill. Operating mechanism for rail oilers. 1,868,647; July 26.
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill., Rail anchor. 1,883,147; Oct. 18.
Warr, Harold G., Park Ridge, assignor to Maintenance Equipment Company, Chicago, Ill. Wheel flange oiler. 1,892,148; Oct. 18.
Warren Brothers Company. (See Wallace, Edwin C., assignor.)
Warren, Charles H., Sparta, Mich. End locating device. 1,873,515; Aug. 23.
Warren, Christine M., guardian. (See Russell, Zachary E., assignor.)
Warren, Clyde W. (See Russell, Zachary E.)
Warren Company, The. (See Larkin, Lester U., assignor.)
Warren, Dwight W. (See Raby, V. R., and Warren.)
Warren, Edward J., U. A., and W. Annapolis, Md., assignors, by mesne assignments, to Warren Engine Company, Wilmington, Del. Rotary engine. 1,861,168; May 31.
Warren, Edward J., Denver, Colo. Power operated rock drill. 1,869,875; Aug. 2.
Warren Engine Company. (See Warren, Edward C., J. H. A., and W., assignors.)
Warren, Frank H., assignor to Cummer Manufacturing Company, Paris, Tex. Folding crate. 1,882,048; Oct. 11.
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,858,067; May 10.
Warren, Guy S., Evanston, Ill. Film inspection device. 1,886,587; July 5.
Warren, Guy S., Evanston, Ill. Attachment for motion picture cameras. 1,866,588; July 12.
Warren, H. W. H., Coventry, and C. G. Garton and A. E. Smith, Rugby, England, assignors to General Electric Company, Molding. 1,885,066; Oct. 25.
Warren, Harold M., assignor to Steel-Bound Container Corporation, St. Petersburg, Fla. Container. 1,846,291; Feb. 23.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Illuminated clock. 1,851,688; Mar. 29.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Electric motor. 1,862,356; June 7.
Warren, Henry, E., assignor to Warren Telechron Company, Ashland, Mass. Electric motor. 1,862,376; June 7.
Warren, James W. (See Glaeck, P. C., and Warren.)
Warren, John R., assignor to C. and F. R. McGough, doing business as F. H. Gough & Son, Grand Rapids, Mich. Knife. 1,883,726; Oct. 18.
Warren, Joseph A. (See Sutermeister, E., and Warren.)
Warren, Joseph A., Mount Vernon, assignor to H. R. Van Deventer Incorporated, New York, N. Y. Winding machine. 1,841,562; Jan. 19.
Warren, Joseph H. A. (See Warren, Edward C., J. H. A., and W.)
Warren, Joseph J., Pittsburgh, Pa. Tuning dial for radios. 1,846,411; Feb. 23.
Warren, Joseph J., Pittsburgh, Pa. Tuning dial for radios. 1,864,875; June 28.

Warren, Leon R., Jackson Heights, and H. C. Gill, Whitestone Landing, N. Y. Golf instruction course. 1,852,948; Apr. 5.

Warren, Marlin, Detroit, Mich. Heating and cooling apparatus. 1,845,691; Feb. 16.

Warren, Marlin, Detroit, Mich. Heating apparatus. 1,860,639; May 31.

Warren, Robert E., Los Angeles, Calif. Washing machine. 1,868,254; Sept. 20.

Warren, Samuel, New York, N. Y. Toy coaster. 1,884,430; Oct. 25.

Warren, Samuel R., assignor to Estey Organ Company, Brattleboro, Vt. Pneumatically balanced valve. 1,883,838; Oct. 18.

Warren, Samuel R., assignor to Estey Organ Company, Brattleboro, Vt. Direct electric action for pipe organs. 1,887,076; Nov. 8.

Warren Telechron Co. (See Russell, Zachary E.)

Warren, Simon L., Quincy, Mass. Webbing support. 1,867,607; July 19.

Warren, S. D., Company. (See Boyer, Sylvester, assignor.)

Warren, S. D., Company. (See Sutermeister, E., and Warren, assignors.)

Warren Telechron Company. (See Kraber, George R., assignor.)

Warren Telechron Company. (See Long, George M., assignor.)

Warren Telechron Company. (See McLaughlin, Robert W., assignor.)

Warren Telechron Company. (See Richardson, Harry C. assignor.)

Warren Telechron Company. (See Thomas, Emma M., assignor.)

Warren Telechron Company. (See Warren, Henry E., assignor.)

Warren, Thomas E., Ottawa, Ontario, Canada, and C. B. Durgin, Anniston, Ala., assignors to Swann Research, Inc. Making diphenyl. 1,891,514; Dec. 20.

Warren, Thomas R., Norton-on-Tees, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric synchronizing apparatus. 1,851,790; Mar. 29.

Warren, Virgil P., Atlanta, Ga. Showcase refrigerator. 1,850,068; Apr. 5.

Warren, Virgil P., Atlanta, Ga. Defrosting refrigeration system. 1,863,427; June 14.

Warren, Wade O., Chicago, Ill. Flying target. 1,857,701; May 10.

Warren, Walter G. & Co., et al. (See Reader, Julius F., assignor.)

Warren, William C., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Sled. 1,889,578; Nov. 29.

Warren, William C., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 86,187; Feb. 9.

Warren, William C., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 87,177; June 14.

Warren, William C., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 87,765; Sept. 13.

Warren, William C., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 87,766; Sept. 13.

Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 88,327; Nov. 15.

Warren, William W., Knoxville, Tenn. Artificial stone. 1,859,793; Dec. 13.

Warren, Woodruff. (See Warren, Edward C., J. H. A., and W.)

Warrender, Cecil. (See Moore, E. E., McGranahan, and Warrender.)

Warrick, Charles F., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Window construction. 1,853,589; Apr. 12.

Warrick, Charles F., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Humidifier assembly. 1,865,399; July 5.

Warrick, Oliver C., Indianapolis, Ind. Apparatus for assisting air and sea navigation. 1,889,026; Nov. 29.

Warshaw Natalie, Brooklyn, N. Y. Card filing case. 1,871,569; Aug. 16.

Warsow, Franz, Pankow, near Berlin, Germany, assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,865,067; June 28.

Warth, Albin H., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle cap and producing the same. Re18,648; Nov. 8.

Warth, Albin H., Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle closure. 1,861,580; June 7.

Warth, Albin H., Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle closure. 1,861,590; June 7.

Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure and interior facing therefor. 1,867,637; July 19.

Warth, Dudley S., Rye, N. Y., assignor to C. F. Church Mfg. Co., Chicopee, Mass. Hinge for water closet seats and covers. 1,843,528; Feb. 2.

Wartman, George H., Eden Valley, Minn. Grave covering and setting. 1,886,437; Nov. 8.

Warwick, Harold L., Fort Worth, Tex. Mechanism for traversing a recording medium. 1,856,856; Nov. 8.

Wasberg, Axel. (See Beauchamp, W. A., and Wasberg.)

Wasberg, Axel, assignor to Camel Company, Chicago, Ill. Door elevating mechanism. 1,858,844; May 17.

Wasberg, Axel, assignor to Camel Company, Chicago, Ill. Door lock operating mechanism. 1,859,610; May 24.

Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Sliding refrigerator car door. 1,883,149; Oct. 18.

Waschnack, Adolf, Neu-Finkenkrug, near Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,868,036; July 19.

Wasegie, Charles R., Rueil, assignor to Henri et Maurice Farman, Billancourt, France. Speed reducing or increasing device for internal combustion engines. 1,887,607; Nov. 15.

Waseige, Charles R., Rueil, assignor to Henri et Maurice Farman, Billancourt, Seine, France. Lubricating device for internal combustion engines. 1,892,000; Dec. 27.

Washburn, Clyde, Memphis, Tenn. License plate fastener. 1,855,931; Apr. 26.

Washburn Company, The. (See Andrews, Charles, assignor.)

Washburn Company, The. (See Glenny, Clarence S., assignor.)

Washburn Company, The. (See Green, Irving A., assignor.)

Washburn Company, The. (See Newell, H. R., and Millar, assignors.)

Washburn Company, The. (See Hindes, Howard W., assignor.)

Washburn, Edward W., Washington, D. C. Detergent towel and making the same. 1,868,862; July 26.

Washburn, Frank W., San Francisco, Calif. Cloth holder. 1,849,258; Mar. 15.

Washburn, Frederick C. (See Wilkinson, Fred, assignor.)

Washburn, Robert M., assignor to A. P. Hunt, Chicago, Ill. Fruit juice powder and stabilization thereof. 1,844,707; Feb. 9.

Washburn, Robert M., Evanston, assignor to Dee-Hy Products Company, Chicago, Ill. Preparation of dry nonhygroscopic crude lactose. 1,870,270; Aug. 9.

Washburn, Robert M., Evanston, assignor to Liquid Dehydration Corporation, Chicago, Ill. Powdered citrus fruit juices and making the same. 1,883,150; Oct. 18.

Washburn, William S., Brockton, Mass. Plant stand. 1,877,093; Sept. 13.

Washburn, Willis F., St. Louis, Mo., assignor to Titanium Pigment Company, Inc., New York, N. Y. Recovery of titanium compounds. 1,889,027; Nov. 29.

Washburne, Alva C. (See Reising, Eugene G., assignor.)

Washburne, Arthur L., Los Angeles, Calif. Stacker. 1,870,207; Aug. 2.

Washburne, Arthur L., assignor to Sparkletts Bottled Water Corporation, Los Angeles, Calif. Conveyer tilting section. 1,869,639; Aug. 2.

Washington, Bowden, New York, deceased, and W. Aull, jr., Astoria, N. Y.; D. C. Washington, administratrix of said Washington; assignors to Remotrole Corporation. Signal level raiser. 1,856,009; Apr. 26.

Washington, Bowden, New York, and W. Aull, jr., Astoria, N. Y., assignors to Remotrole Corporation. Remote control for radiorectifiers. 1,881,361; Oct. 4.

Washington, Bowden, deceased, New York, by D. C. Washington, administratrix, and Wilson Aull, jr., Astoria, N. Y., assignors to Remotrolle Corporation. Radioreceiver control. 1,881,362; Oct. 4.

Washington, Dorothy C., administratrix. (See Washington, B., and Aull.)

Washington Gutter Corp. (See Beskind, M. M., and Mayper, assignors.)

Washington, George, jr., Mendham, N. J. Electric condenser and making same. 1,850,298; Mar. 22.

Washington Loan & Trust Company, trustee. (See Merrick, Sumner B., assignor.)

Washington Machinery & Supply Company. (See Rawson, Harry H., assignor.)

Washington Trust Company, The, et al., executors. (See Hoxie, William D.)

Washkewski, Filimon. (See Sakowicz, Boleslaw, assignor.)

Washko, Frank H., Bedford, Ohio. Glazier's nail. 1,887,253; Nov. 8.

Wass, Josephus, Kettering, England. Grinding, crushing, and mixing mill. 1,864,385; June 21.

Wasser, Abraham. (See Reis, Benedict, and Wasser.)

Wasser, Mabel S., et al. (See Reis, B., and Wasser, assignors.)

Wasson, Robert B. (See Averell, S. G., and Wasson.)

Watairway Manufacturing Corporation. (See Guidetti, F., and Bontempi, assignors.)

Watanabe, Fukaoku, Hollywood, Calif. Advertising device. 1,851,223; Mar. 29.

Watanabe, Hotori. (See Hatakeyama, Heisaku, and Watanabe.)

Waterbury Brass Goods Corporation, The. (See Miner, Anson W., assignor.)

Waterbury Buckle Company. (See Bronson, Walter T., assignor.)

Waterbury Clock Company. (See Putnam, James R., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Burbank, Louis S., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Pierson, William D., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waterbury, James L., Springfield, Ohio. Register fan. 1,875,683; Sept. 6.
Waterbury, James L., Springfield, Ohio. Register grille. 1,875,684; Sept. 6.
Waterbury, James L., Springfield, Ohio. Heating and ventilating apparatus. 1,875,685; Sept. 6.
Waterbury Tool Company, The. (See Durner, Loren, assignor.)
Waterbury Tool Company, The. (See Ellis, Arthur L., assignor.)
Waterbury Tool Company, The. (See Francis, Daniel R., assignor.)
Waterbury Tool Company, The. (See Rouse, Warren E., assignor.)
Waterhouse Company. (See Clapp, Roger S., assignor.)
Waterman, Adolph C. (See Schakel, W. F., and Waterman.)
Waterman, Bradford B., East Bridgewater, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., Shank stiffener and making the same. 1,884,937; Oct. 25.
Waterman, Clifford W., assignor to The Pittsburg Boiler and Machine Company, Pittsburg, Kans. Combined picking table and refuse conveyer. 1,865,984; July 5.
Waterman, Clifford W., jr., Johnstown, Pa. Electric heater. 1,844,414; Feb. 9.
Waterman, Hein L., Delft, assignor to De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of liquid hydrocarbons. 1,859,062; May 17.
Waterman, John S., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for producing artificial breathing. 1,848,212; Mar. 8.
Waterman, Joseph S., & Sons Inc. (See Caverly, George W., assignor.)
Waterman, L. E., Company. (See Bowen, Daniel V., assignor.)
Waterman, L. E., Company. (See Juster, Louis H., assignor.)
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
Waterman, L. E., Company. (See Nilsson, O. F., and Bachrach, assignors.)
Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine loop-taker. 1,863,077; June 14.
Waterman, Russell R., Columbus, Ohio. Hydrocarbon burner. 1,839,512; Jan. 5.
Waters, Archiebald D., assignor to The Stanley Works, New Britain, Conn. Door holder. 1,841,323; Jan. 19.
Waters, Archibald D., assignor to The Stanley Works, New Britain, Conn. Door holder. 1,875,965; Sept. 6.
Waters, Charles B., deceased, Montclair, N. J.; J. K. Waters, administratrix. Electric windshield cleaner. 1,851,791; Mar. 29.
Waters, Daniel V., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling material. 1,866,142; July 5.
Waters-Genter Company. (See Forbes, Thomas C., assignor.)
Waters-Genter Company. (See Ireland, Murray, assignor.)
Waters-Genter Company. (See Osterheld, Clark M., assignor.)
Waters-Genter Company. (See Rosendahl, Harold R., assignor.)
Waters, Gertrude F. and G. A., Sharon, Conn. Hair waving comb. 1,883,151; Oct. 18.
Waters, Gilbert A. (See Waters, Gertrude F. and G. A.)
Waters, Gilbert C., assignor to H. F. Morris Corporation, Rochester, N. Y. Card table cover. Des. 87,695; Aug. 30.
Waters, Gilbert C., assignor to H. F. Morriss Corporation, Rochester, N. Y. Card table cover. 1,856,799; May 3.
Waters, Granville A., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake actuating dynamo electric machines. 1,842,773; Jan. 26.
Waters, Harry F., New York, N. Y. Producing organ music. 1,850,181; Mar. 22.
Waters, Harry H. (See Staley, A. C., and Waters.)
Waters, Harry H., assignor to Climax Engineering Company, Clinton, Iowa. Neutral brake. Re18,561; Aug. 9.
Waters, Julia K., administratrix. (See Waters, Charles B.)
Waters, Millard F., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Pipe coupling. 1,861,372; May 31.
Waters, Millard F., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Tubing catcher stop. 1,874,673; Aug. 30.
Waterlite Casement Hardware Co. (See Cummings, Earle W., assignor.)
Waterval, Ivar W., Evanston, Ill. Receptacle actuated faucet. 1,885,647; Nov. 1.
Waterworks Supply Company. (See Chamberlain, Leon H., assignor.)
Waterworth, Robert J., Sidney, Ohio. Self-aligning bearing for folding machine rollers. 1,876,369; Sept. 6.
Waterworth, Robert J., Sidney, Ohio, assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Folding machine. 1,883,152; Oct. 18.
Waterworth, Robert J., assignor to Prima Manufacturing Company, Inc., Sidney, Ohio. Washing machine. 1,891,339; Dec. 20.
Watkin, Bertram L., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lighting fixture. Des. 85,965; Jan. 5.
Watkin, Bertram L., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Ceiling lighting fixture. Des. 86,945; May 10.
Watkin, Bertram L., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lighting fixture. Des. 87,427; July 26.
Watkins, Charles W., Kingston, Pa. Draft gauge. 1,869,727; Aug. 2.
Watkins, D. M., Company. (See Sharples, George E., assignor.)
Watkins, D. M., Company. (See Skoog, Carl E., assignor.)
Watkins, Dudley W. (See Dykeman, R. G., and Watkins.)
Watkins, Edward G., and H. E. Hobby, assignors to Simplex Time Recorder Company, Gardner, Mass. Time card holder. 1,858,068; May 10.
Watkins, Edward L., Grimes, Iowa. Circuit opening and closing device. 1,849,594; Feb. 23.
Watkins, Frederick A., Chicago, Ill. Memorandum pad holder. 1,866,279; July 5.
Watkins, George B. (See Brier, J. C., Watkins, and Brown.)
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass and apparatus for producing same. 1,841,689; Jan. 19.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Seal for laminated glass. 1,854,496; Apr. 19.
Watkins, George B., assignor to Libby-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,867,787; July 19.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,873,691; Aug. 23.
Watkins, Harold F., Oakland, Calif. Well pumping apparatus. 1,883,153; Oct. 18.
Watkins, Harold F., Oakland, assignor to Watkins Intermitting Pump Co., San Francisco, Calif. Oil well pump. 1,840,646; Jan. 12.
Watkins, Harold F., Oakland, assignor to Watkins Intermitting Pump Co., San Francisco, Calif. Oil well pumping apparatus. 1,850,431; Mar. 22.
Watkins, Harold F., Oakland, assignor to Watkins Intermitting Pump Co., San Francisco, Calif. Well pump. 1,850,484; Mar. 22.
Watkins, Harold F., Oakland, assignor to Watkins Intermitting Pumping Co., San Francisco, Calif. Oil well pump. 1,863,643; June 21.
Watkins, Henry B., Northington, assignor to The Kilgore Mfg. Company, Westerville, Ohio. Package. 1,840,767; Jan. 12.
Watkins, Griffin. (See Neeley, George S., assignor.)
Watkins, Howard E. (See Dykes, Bryant D., assignor.)
Watkins, Howard R. (See Palkin, S., and Watkins.)
Watkins Intermitting Pumping Co. (See Watkins, Harold F., assignor.)
Watkins, Karl N., Los Angeles, Calif. Awning. Des. 88,835; Dec. 27.
Watkins, Parke H., Leonia, N. J., assignor to National India Rubber Company, Bristol, R. I. Pneumatic form for glove dipping. 1,881,005; Oct. 4.
Watkins, Ray O., assignor to Universal Battery Company, Chicago, Ill. Grid casting machine. 1,863,175; June 14.
Watkins, Thomas, and L. D. Baum, Berkeley, Calif. Winding device. 1,885,497; Nov. 1.
Watkins, Walter G., Kansas City, Mo., assignor to Skelly Oil Company, El Dorado, Kans. Pressure relief valve. 1,858,202; May 10.
Watkinson, Arthur, Wembley, assignor to Beckett, Laycock & Watkinson Limited, London, England. Ventilating-louver for windows. 1,850,737; Mar. 22.
Watling, Thomas W. B., Chicago, Ill. Weight recording machine. 1,866,871; July 12.
Watlington, William H., Denver, Colo. Windshield for vehicles. 1,891,128; Dec. 13.
Watrous, Earl G., Chicago, Ill. Faucet. 1,853,246; Apr. 12.
Watrous, Earl G., Chicago, Ill. Faucet. 1,876,810; Sept. 13.
Watrous, Willis H., Oakland, Calif. Combination jack and pressure-gauge. 1,883,154; Oct. 18.
Watrous, Willis H., Oakland, Calif. Apparatus for testing brakes. 1,891,631; Dec. 20.
Watry, Louis T., West Allis, assignor of one-half to D. Fisher, Milwaukee, Wis. Automatic control for pumps. 1,849,602; Mar. 15.
Watson, Alec V., St. Albans, assignor of one-half to Thomas A. Davis, London, England. Safety razor and stropping device. 1,885,659; Nov. 1.
Watson, Andrew B., et al. (See Roberts, Lee R., assignor.)

Watson, Andrew C., Toronto, Ontario, Canada. Hot air furnace. 1,836,506; Nov. 8.

Watson, Charles E., Chicago, assignor to G. W. Schroeder, Berwyn, Ill. Section insulator. 1,868,619; July 26.

Watson, Claude W., and P. C. Keith, jr., Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Fractional distillation. 1,842,436; Jan. 26.

Watson, Clayton. (See Tweed, Russell B., and Watson.)

Watson, Clifford A., St. Paul, Minn. Artificial board. 1,874,674; Aug. 30.

Watson, Cornelius B. (See Smith, C. L., and Watson.)

Watson, Cornelius B., assignor to The Pure Oil Company, Chicago, Ill. Treating cracked hydrocarbon vapors. 1,853,755; Apr. 12.

Watson, Cornelius B., and R. C. Osterstrom, assignors to The Pure Oil Company, Chicago, Ill. Solution accelerator for oil dyes. 1,884,431; Oct. 25.

Watson, David M., Ardsley, and G. C. Muñoz, assignors to The American Pulley Company, Philadelphia, Pa. Hand truck. 1,840,293; Jan. 5.

Watson, David M., Ardsley, and G. C. Munoz, assignors to The American Pulley Company, Philadelphia, Pa. Hand truck. 1,860,331; May 24.

Watson, Donald J., Sioux City, assignor to Iowa State College of Agricultural and Mechanical Arts, Ames, Iowa. Device for burning comminuted fuel during the water smoking period of the firing of clay products. 1,869,124; July 26.

Watson, Earnest L., Milan, Mich. Air vent for steam heating systems. 1,844,451; Feb. 9.

Watson, Earnest L., Milan, Mich. Radiator construction. 1,844,452; Feb. 9.

Watson, Earnest L., Milan, Mich. Furnace construction. 1,844,453; Feb. 9.

Watson, Edward F. (See Vernam, G. S., Watson, and Perry.)

Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,870,352; Aug. 9.

Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Telegraph printer. 1,870,392; Aug. 9.

Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Telegraph printer. 1,871,933; Aug. 16.

Watson, Edward F., Larchmont, and A. E. Hunt, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Transmitter of variably biased impulses. 1,847,151; Mar. 1.

Watson, Edward L., Rochester, N. Y. Outdoor sanitary exterminator for house and blow flies. 1,862,325; June 7.

Watson, Edward W., Larchmont, N. Y., assignor to American Telegraph and Telephone Company. Start-stop telegraph system. 1,877,437; Sept. 13.

Watson, Edwin M., Spokane, Wash. Shoe hanger. 1,846,377; Feb. 23.

Watson, Ernest A., Coventry, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Electrical liquid level indicating instrument. 1,856,364; May 3.

Watson, F. H., Company, The. (See Watson, Frank H., assignor.)

Watson, Francis G., Southam, England. Shoe tree. 1,846,774; Feb. 23.

Watson, Frank B., and E. Culver, assignors to United Kingdom Optical Company, Limited, London, England. Manufacturing bifocal lenses. 1,868,863; July 26.

Watson, Frank C., Chester, Pa. Attachment for bolt action rifles. 1,863,776; June 21.

Watson, Frank H., Jonesboro, Ark., assignor to The F. H. Watson Company, Little Rock, Ark. Pneumatic inner tube and valve. Re18,513; July 5.

Watson, George J. (See Tagle, R. G., and Currie, assignors.)

Watson, Glenn W., Detroit, Mich., assignor to Watsongraph Corporation, New York, N. Y. System of communication. 1,847,091; Feb. 23.

Watson, Harold S., Brooklyn, N. Y. Ash tray. 1,887,896; Nov. 15.

Watson, Harold L. (See Herzog, E., and Watson.)

Watson, Harold L., East St. Louis, Ill. Well screen. 1,845,897; Feb. 16.

Watson, Hathaway. (See MacCaskie, Thomas M., assignor.)

Watson, Henry P. (See Markus, Benjamin, assignor.)

Watson, Hugh W., Seattle, Wash. Slicer. 1,890,103; Dec. 6.

Watson, J. S. (See Parkman, Walter M., assignor.)

Watson, James L., Vancouver, Wash. Meter protective device. 1,845,372; Feb. 16.

Watson, John B. (See Harder, F., Watson, and Middleton.)

Watson, John P., Westminster, assignor to Vickers-Armstrongs Limited, London, England. Apparatus for use in the fire control of antiaircraft guns. 1,891,397; Dec. 20.

Watson, John W., Wayne, Pa. Shock absorber. 1,848,855; Feb. 2.

Watson, John W., Wayne, Pa. Multiple leaf spring. 1,874,724; Aug. 30.

Watson, John W., Wayne, and C. S. Redfield, Chestnut Hill, assignors to J. W. Watson Company, Philadelphia, Pa. Friction member. 1,845,858; Feb. 16.

Watson, John W., Company. (See Watson, J. W., and Redfield, assignors.)

Watson, John Warren, Company. (See Nowalk, Robert F., assignor.)

Watson, Kenneth M., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating electrical conductors. 1,883,155; Oct. 18.

Watson Machine Company, The. (See Van Hook, Charles F., assignor.)

Watson, Osema, Dallas, Tex. Stringed musical instrument. 1,848,920; Mar. 8.

Watson, Pierce R., and A. G. Philipson, St. Catherines, Ontario, Canada, said Philipson assignor to said Watson. Shuttle mechanism for weaving machines. 1,840,785; Jan. 12.

Watson, Richard M., Detroit, Mich. Loose-leaf binder and forming the same. 1,878,079; Sept. 20.

Watson, Robert, Wathstein, D. C. Automobile clock. 1,848,810; Mar. 8.

Watson, Stewart M., Jackson, Mich. Outlining device. 1,886,768; Nov. 8.

Watson-Stillman Co., The. (See Davis, Frank L., jr., assignor.)

Watson-Stillman Co. (See Royal, R. R., and Reams, assignors.)

Watson-Stillman Co., The. (See Shaffer, Charles A., assignor.)

Watson, Sydney C., Detroit, Mich., assignor to The Bradford Machine Tool Company, Cincinnati, Ohio. Automatic drill head. 1,850,299; Mar. 22.

Watson, Sydney G., Surbiton, and D. M. Henshaw, assignors to W. C. Holmes and Company, Limited, Huddersfield, Yorkshire, England. Removal of sulphur from fuel gases. 1,856,301; May 3.

Watson, Thomas, London, England. Apparatus for spraying paraffin wax and the like. 1,889,507; Nov. 29.

Watson, Thomas E. (See Wolff, William W. and R. W.)

Watson, Thomas F., Seminole, Okla. Beam hanger. 1,860,757; May 31.

Watson, Thomas S., Milwaukee, Wis. Washing machine drive. 1,865,656; July 5.

Watson, Wilbur J. (See Arnstein, K., Helma, and Watson.)

Watson, William A. (See Hale, H. E., and Watson.)

Watson, William H., Hertford, England. Twisting machine. 1,873,692; Aug. 23.

Watson, William M., St. Cloud, Fla. Hydraulic power device. 1,850,820; Mar. 22.

Watson, William N. (See Stevens, R. H., Norris, and Watson.)

Watson, William W., Jamestown, N. Y. Roller window screen. 1,878,710; Sept. 20.

Watsongraph Corporation. (See Watson, Glenn W., assignor.)

Watt Car and Wheel Company, The. (See Boyd, Clarence A., assignor.)

Watt, Elihu D. (See Upson, M. M., and Watt.)

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for driving internally tapered pile shell sections. 1,847,853; Mar. 1.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for forming concrete piles. 1,847,854; Mar. 1.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Joint for pile shells. 1,856,522; May 3.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Pile core. 1,856,608; May 3.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Pile driving apparatus. 1,856,609; May 3.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Pile tenon turning machine. 1,860,846; May 31.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Pile forming apparatus. 1,865,658; July 5.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Concrete pile shell. 1,869,990; Aug. 2.

Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for forming concrete pile shells. 1,875,835; Sept. 6.

Watt, Elihu D., LaGrange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Shell for concrete piles. 1,881,254; Oct. 4.

Watt, Elihu D., La Grange, W. J. Irwin, Chicago, and G. Virkus, La Grange, assignors to The Conover Company, Chicago, Ill. Dishwashing machine. 1,855,848; Apr. 26.

Watt, Elihu D., La Grange, Ill., and E. Whiteley, assignors to Raymond Concrete Pile Company, New York, N. Y. Composite pile joint. 1,865,657; July 5.

Watt, Jerome, Cincinnati, Ohio, Building. Des. 86,001; Jan. 12.

Watt, Robert J., North Ferriby, England. Heat exchanging apparatus. 1,851,881; Mar. 29.

Watter, Max, Brooklyn, N. Y. Steam generator and sprayer for bakery ovens. 1,878,353; Sept. 20.

Watter, Michael, assignor to Chance Vought Corporation, Hartford, Conn. Aircraft. 1,850,251; Mar. 22.
Watter, Michael, New York, N. Y., assignor to Chance Vaught Corporation, Hartford, Conn. Landing chassis for aircraft. 1,870,226; Aug. 9.
Watterhouse, Priscilla S. (See Giapion, Ferdinand A., assignor.)
Watters, John, Utica, N. Y. Dyeing. 1,886,857; Nov. 8.
Watters, William E., Maywood, Ill. Air mask. 1,845,460; Feb. 16.
Wattig, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multicolor weft replenishing mechanism. 1,856,178; May 3.
Wattig, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Head motion for looms. 1,873,516; Aug. 23.
Wattig, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lock knife for harness mechanism. 1,873,517; Aug. 23.
Wattleworth, John C., Cleveland, assignor to L. Whitright, Lodi, Ohio. Reversing mechanism. 1,880,554; Oct. 4.
Wattmann, Emil, Csepel, assignor to Manfred Weiss Stahlund Metallwerke Aktiengesellschaft, Budapest, Hungary. Steam receiving device. 1,877,002; Sept. 13.
Watts, Arthur S., Columbus, Ohio. Temperature controlling method for ceramic furnaces or kilns. 1,857,702; May 10.
Watts, Arthur S., Columbus, Ohio. Tunnel kiln and draft control for the same. 1,867,122; July 12.
Watts, Charles R., jr. (See Watts, Charles R., assignor.)
Watts, Charles R., assignor of one-third to E. L. Watts, and one-third to C. R. Watts, jr., Berkeley, Calif. Steam radiator trap. 1,861,630; June 7.
Watts, Charles R., assignor of one-third to E. L. Watts, and one-third to C. R. Watts, jr., Berkeley, Calif. Steam radiator trap. 1,868,514; July 26.
Watts, Clarence K. (See Kinsel, Arthur V., assignor.)
Watts, Edward L. (See Watts, Charles R., assignor.)
Watts, Will A., assignor to H. A. Douglas, Bronson, Mich. Assembling device. 1,862,729; June 14.
Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Still construction. 1,843,335; Jan. 19.
Watts, George W., Whiting, Ind., and W. S. Matthews, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill. Coke puller. 1,871,922; Aug. 16.
Watts, Gordon E. (See Davidson, Arthur, and Watts.)
Watts, John M., Kansas City, Kans. Coal stove. 1,850,161; Mar. 22.
Watts, John S., East Orange, N. J. Sewage sampling device. 1,874,395; Aug. 30.
Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company, Ironet, Pa. 1,872,325; July 5.
Watts, Noble H., Alameda, Calif., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Electrical connecting apparatus. 1,871,397; Aug. 9.
Watts, Noble H., Alameda, Calif., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Electrical cord terminal. 1,884,432; Oct. 25.
Watts, Warren S., Montclair, N. J., assignor to Eskimo Pie Corporation, New York, N. Y. Dispensing cabinet. Des. 87,608; Aug. 16.
Watts, William H., and E. J. Currie, Houlton, Me. Instrument for outlining inscriptions on monuments or the like. 1,885,351; Oct. 4.
Watts, William S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,872,051; Aug. 16.
Watts, William S., assignor to Bendix Brake Company, South Bend, Ind. Support. 1,873,086; Aug. 23.
Watts, William S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,873,087; Aug. 23.
Waucquez, Charles. (See Gabrielson, C., and Waucquez.)
Wauch Equipment Company. (See O'Brien, Richard J., assignor.)
Wauch Equipment Company. (See Page, Harold D., assignor.)
Wauch, Harvey C., Llanerch, assignor to American Water Softener Company, Philadelphia, Pa. Water softener. 1,839,428; Jan. 5.
Wauch, Harvey C., Hammond, Ind., assignor to American Water Softener Company, Philadelphia, Pa. Adjustment for trow of electromagnetic operating mechanism. 1,875,286; Aug. 30.
Wauch, Thomas, jr., assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of blown glassware. 1,863,915; June 21.
Wauch, Thomas, jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for manufacturing glassware. 1,885,660; Nov. 1.
Wauch, Thomas, jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glassware. 1,885,661; Nov. 1.
Wauch, Thomas, jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Oscillating glassware transfer. 1,888,440; Nov. 22.
Waukegan Foundry Company. (See Barr, Andrew K., assignor.)
Waukesha Motor Company. (See Fisher, James B., assignor.)
Waukesha Motor Company. (See Good, John, assignor.)
Waukesha Motor Company. (See Horning, Harry L., assignor.)
Waukesha Motor Company. (See Le Van Horning, Harry, assignor.)
Waukesha Motor Company. (See Rector, Enoch, assignor.)
Waukesha Motor Company. (See Speer, James A., assignor.)
Waypotich, Frank, and L. F. Wanek, Astoria, N. Y. Double-edge razor blade sharpener. Des. 86,424; Mar. 1.
Wayra, Frank, Woodriver, Ill. Making leather. 1,859,417; May 24.
Wax, Evelyn, Briarwood, Long Island, N. Y. Textile fabric or the like. Des. 88,274; Nov. 8.
Wax, Evelyn, Briarwood, Long Island, N. Y. Textile fabric or the like. Des. 88,444; Nov. 29.
Wax, Evelyn, Briarwood, Long Island, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,328; Nov. 15.
Wax, Evelyn, Briarwood, Long Island, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,492; Nov. 29.
Waxham, Charles E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Separator. 1,841,462; Jan. 19.
Waxler, R. L., et al. (See Hardcastle, Jasper A., assignor.)
Waxler, R. L. (See Martin, John R., assignor.)
Waxman, Carl F., Oakland, Calif. Gate valve. 1,885,159; Nov. 1.
Way, Arthur H., Canton, S. Dak. Pipe cutting device. 1,872,199; Aug. 16.
Way, Walter R., Quincy, Mass. Lock. 1,876,115; Sept. 6.
Wayland, Frank, Salem, Mass. Shaving machine. 1,842,366; Jan. 19.
Wayland, Frank, Salem, Mass. Leather shaving machine. 1,863,777; June 21.
Wayland, Frank, Salem, Mass. Leather shaving machine. 1,887,270; Nov. 15.
Wayland, Frank, Salem, Mass. Leather shaving machine. 1,889,028; Nov. 29.
Wayne Company. (See Griffin, William M., assignor.)
Wayne Company. (See Hartman, Jacob W., jr., assignor.)
Wayne Company. (See Jauch, Robert J., assignor.)
Wayne Company. (See Jauch, R. J., Farnham, and Arnold, assignors.)
Wayne Company. (See Jauch, R. J., and Mitchell, assignors.)
Wayne Company. (See Somervell, Howard, assignor.)
Wayne Pump Company, The. (See Parker, Walter H., assignor.)
Wayne Pump Company, The. (See Townsend, W. S., and Deutsch, assignors.)
Wayne Pump Company, The. (See Weeks, Ray B., assignor.)
Wayne, Truman B. (See Varnau, B. H., and Wayne.)
Wayne, Truman B., Houston, Tex. Breaking petroleum emulsions. 1,860,692; May 31.
Wayne, Truman B., Houston, Tex. Revolving petroleum emulsions. 1,860,563; May 31.
Wayne, Truman B., Houston, Tex., assignor to National Aluminate Corporation, Chicago, Ill. Defecating cane juice. 1,887,379; Nov. 15.
Wayte, Harry, Kalamazoo, Mich. Hand propelled projectile. 1,877,100; Sept. 13.
Weakley, Lloyd L., Quincy, Fla. Back band hook. 1,840,005; Jan. 5.
Weakley, Lloyd L., Quincy, Fla. Sack holder. 1,858,649; May 17.
Weamer, Leo A., Altoona, Pa. Sign board. 1,889,910; Dec. 6.
Wean Engineering Company, The. (See Evans, Archibald, D., assignor.)
Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Method and apparatus for making sheets. 1,871,102; Aug. 9.
Wear, Orville F. (See Bounds, Benjamin F., assignor.)
Wearmouth, Cornelius, Crichton, W. Va. Rail joint. 1,839,360; Jan. 5.
Wearmouth, Cornelius, Crichton, W. Va. Rail joint. 1,845,898; Feb. 16.
Wearne, Richard D., Gary, Ind. Selective lubricant distributor. 1,867,483; July 12.
Weatherbest Stained Shingle Company. (See Allen, E. B., and Howe, assignors.)
Weatherbest Stained Shingle Company. (See Howe, Smith B., assignor.)
Weatherbest Stained Shingle Company. (See Jackson, Alexander F., assignor.)
Weatherhead, Albert J., jr. (See Baldwin, John D., jr., assignor.)
Weatherhead, Albert J., jr. (See Stecher, Henry D., assignor.)
Weatherhead, Albert J., jr., Cleveland, Ohio. Controller attachment for automobiles. 1,839,908; Jan. 5.
Weatherhead, Albert J., jr., Cleveland, Ohio. Producing pipe couplings. 1,839,909; Jan. 5.
Weatherhead, Albert J., jr., Cleveland, Ohio. Automobile controller and switch. 1,840,548; Jan. 12.
Weatherhead, Albert J., jr., Cleveland, Ohio. Making jets or nozzles. 1,849,009; Mar. 15.
Weatherhead, Albert J., jr., Cleveland, Ohio. Fastening and connecting device. 1,849,604; Mar. 15.

Weatherhead, Albert J., jr., Cleveland, Ohio. Pipe and tube coupling. 1,863,360; June 14.
Weatherhead, Albert J., jr., Cleveland, Ohio. Controlling device. 1,867,292; July 12.
Weatherhead, Albert J., jr., Cleveland, Ohio. Producing angle fittings. 1,868,037; July 19.
Weatherhead, Albert J., jr., Cleveland, Ohio. Pipe coupling. 1,872,536; Aug. 16.
Weatherhead, Albert J., jr., Cleveland, Ohio. Coupling. 1,888,338; Nov. 22.
Weatherhead, Albert J., jr., Cleveland, Ohio. Fastening device. 1,890,348; Dec. 6.
Weatherly, Adele G., Minneapolis, Minn. Slip. 1,863,290; June 14.
Weatherproof Products Company, The. (See Stryker, George B., jr., assignor.)
Weaton, George F., and H. K. Najarian, Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Sintering of metalliferous materials. 1,889,055; Nov. 29.
Weaver, Allan, Port Washington, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph system. 1,863,356; June 17.
Weaver, Allan, Port Washington, N. Y., assignor to American Telephone and Telegraph Company. Telegraph printer. 1,867,638; July 19.
Weaver, Allen, Brooklyn, N. Y., and D. E. Branson, Bloomfield, N. J., assignors to American Telephone and Telegraph Company. Image producing system. 1,839,361; Jan. 5.
Weaver, Charlie B., Los Angeles, Calif. Refueling aeroplanes in flight. 1,867,902; July 19.
Weaver, Charles F., and W. W. Bird and G. H. Wheatley, Ashland, Ky. Roll truing apparatus. 1,888,302; Nov. 22.
Weaver, Daniel W., Greensburg, Ind. Circuit breaker. 1,840,004; Jan. 5.
Weaver, Eastman A., assignor to Raytheon Inc., Cambridge, Mass. Solid rectifier. 1,845,067; Feb. 16.
Weaver, Eastman A., Winchester, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Fluid pumping. 1,847,265; Mar. 1.
Weaver, Edward G., Butte, Mont. Safety razor. 1,836,434; July 5.
Weaver, Gallard E., and A. Vettel, assignors to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,883,157; Oct. 18.
Weaver, Gordon S., Toronto, Ontario, Canada. Windshield cleaner. 1,859,641; May 24.
Weaver, Harry. (See Baker, W. E. B., and Weaver.)
Weaver, Harry A., Indianapolis, Ind., assignor to Manning & Co., Chicago, Ill. Thread strip forming machine. 1,839,429; Jan. 5.
Weaver, Harry F., assignor to National-Helfrich Potteries Company, Connersville, Ind. Flush tank for toilets. Des. 87,283; June 28.
Weaver, Harry J. (See Lewis, W., and Weaver.)
Weaver, Ira A. (See Weaver, I. A., and Ross, assignors.)
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Vehicle washing appliance. 1,844,447; Mar. 1.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Vehicle lift. 1,849,777; Mar. 15.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,852,544; Apr. 5.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,852,545; Apr. 5.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Vehicle wheel testing appliance. 1,885,180; Oct. 18.
Weaver, Ira A., and W. A. Ross, assignors by mesne assignments, to Ira A. Weaver, Springfield, Ill. Airplane service dolly. 1,885,156; Oct. 18.
Weaver, Jerry M., Hopkinsville, assignor of one-half to J. E. Coleman, Allensville, Ky. Rat or mouse trap. 1,856,980; May 3.
Weaver, Jesse E. (See Hauger, D. M., Weaver, and Wolbert.)
Weaver, Leo L., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material advancing apparatus. 1,883,181; Oct. 18.
Weaver Manufacturing Company. (See Heyer, William C., assignor.)
Weaver Manufacturing Company. (See Squyer, Albert R., assignor.)
Weaver Manufacturing Company. (See Weaver, G. E., and Vettel, assignors.)
Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
Weaver, Milo J., Berlin Heights, Ohio. Tree protector. 1,875,533; Sept. 6.
Weaver, Samuel D., Philadelphia, Pa. Collapsible furniture. 1,861,182; May 31.
Weaver, Samuel M., Shaker Heights, Ohio. Closure structure for tubes or the like. 1,871,640; Aug. 16.
Weaver, Walter E., Houston, Tex. Resilient wheel. 1,858,723; May 17.
Weaver, Walter E., Houston, assignor of one-half to H. L. Kaufhold, Harris County, Tex. Resilient wheel. 1,874,396; Aug. 30.
Weaver, Walter R., Montgomery, Ala. Military game. 1,877,154; Sept. 13.
Weaver, William A., et al. (See Bogia, Louis F., assignor.)
Weaver, William B. (See Bégin, Lucien, assignor.)
Weaving Machines Company Limited, The. (See Alonso, Fernando, assignor.)
Webb, Adolphus M. (See Jarrell, C. S., and Webb.)
Webb, Arthur B., Milwaukee, Wis., assignor to The Rightway Corporation. Mixing and drying machine. 1,837,798; May 10.
Webb, Arthur B., Milwaukee, Wis., assignor to The Rightway Corporation. Grouter for wheels. 1,858,567; May 17.
Webb, Christopher F., Kenton, Middlesex, assignor, by mesne assignments, to The Bell Punch and Printing Co. Limited, Uxbridge, Middlesex, England. Printing machine. 1,862,446; June 7.
Webb, Christopher F., assignor of one-half to H. D. Black, Middlesex, England. Ticket issuing machine. 1,886,769; Nov. 8.
Webb, David W., New York, N. Y. Self service store. 1,861,671; June 7.
Webb, Edmond F. (See MacCain, I. W., and Webb.)
Webb, Edwin W. (See Barber, F. L., and Webb.)
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Side bearings for cars. 1,845,899; Feb. 16.
Webb, Ervin F., Beaumont, Tex. Packing extractor. 1,858,176; May 17.
Webb, Frank A. (See Webb, P. E., and F. A.)
Webb, Frank C. (See Hawkins, Walter L., assignor.)
Webb, Frank C. (See Johnson, Colvin L., assignor.)
Webb, Frank C. (See Noser, Emil V., assignor.)
Webb, George C., Buffalo, N. Y. Table. 1,890,835; Dec. 13.
Webb, Harry N. (See Webb, Harry R. and H. N.)
Webb, Harry R. and H. N., Grantham, England. Device for balancing bodies capable of a rising and falling movement. 1,860,915; May 31.
Webb, Hartwell W., assignor to A C Spark Plug Company, Flint, Mich. Flexible cable winding machine. 1,847,453; Mar. 1.
Webb, Hartwell W., assignor to A C Spark Plug Company, Flint, Mich. Wire straightener. 1,847,454; Mar. 1.
Webb, Hartwell W., assignor to A C Spark Plug Company, Flint, Mich. Reeling mechanism. 1,847,455; Mar. 1.
Webb, Hartwell W., assignor to A C Spark Plug Company, Flint, Mich. Unreeling mechanism. 1,848,982; Mar. 8.
Webb, Hartwell W., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Flexible shaft casing assembly. 1,874,397; Aug. 30.
Webb, Henry F., Salt Lake City, Utah, assignor to The Mine and Smelter Supply Company, Denver, Colo. Filter. 1,846,168; Feb. 23.
Webb, Herbert C., Baltimore County, Md. Stop-go indicator. 1,859,902; May 24.
Webb, Jean F., sr., New York, N. Y. Exhaust treating apparatus. 1,840,862; Jan. 12.
Webb, Jervis B., Royal Oak, and Blair, Detroit, and C. A. Sink, Pontiac, Mich. Equalizing drive for conveyer systems. 1,847,152; Mar. 1.
Webb, Jervis B., Royal Oak, and D. A. Blair, Detroit, Mich. Switch mechanism for conveyer systems. 1,875,966; Sept. 6.
Webb, John O., Tulsa, Okla. Globe valve. 1,890,836; Dec. 13.
Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven wire belt for paper-making machines. 1,891,788; Dec. 20.
Webb, Paul E. and F. A., Arkansas City, Kans. Carburetting device. 1,852,909; Apr. 5.
Webb, Roy L., Brooklyn, N. Y., assignor to General Electric Company. Protective arrangement. 1,883,839; Oct. 18.
Webb, Samuel. (See Rosenkranz, M., and Webb.)
Webb, Samuel F., Holtville, Calif. Apparatus for leveling land and forming borders. 1,843,938; Feb. 9.
Webb, William R., Berlin, Germany, and H. T. Clarke, New York, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition. 1,884,433; Oct. 25.
Webb, William S. (See Hahn, T. M., and Schneider, assignors.)
Webber, Arthur. (See McKnight, R. R., and Webber.)
Webber, Charles E., Pontiac, Ill. Wheel lug cleaning device. 1,840,070; Jan. 5.
Webber, Charles S. (See Gray, H. L., Staud, and Webber.)
Webber, Charles S. (See Staud, C. J., and Webber.)
Webber, Charles S., Springfield, Mass., C. J. Staud, and H. L. Gray, assignors to Eastman Kodak Company, Rochester, N. Y. Electrolytic process for the purification of acetic acid solution. 1,857,224; May 10.
Webber, Charles S. and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of mixed esters of cellulose and the product thereof. 1,861,200; May 31.
Webber, Charles S. and Cyril J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Esterification of cellulose. 1,866,686; July 12.
Webber, Charles S., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Solvent for mixed cellulose esters. 1,880,557; Oct. 4.
Webber, Charles S., Springfield, Mass., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of other lactates of cellulose and the product thereof. 1,880,558; Oct. 4.

Webber, Charles S., Springfield, Mass., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Benzoylation of cellulose. 1,880,559; Oct. 4.

Webber, Charles S., Springfield, Mass., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Hydrolysis of cellulose acetate. 1,880,560; Oct. 4.

Webber, Donald E., assignor to Miller Combination Bailer and Pump Company, Sapulpa, Okla. Combination sand pump and bailer. 1,866,828; July 12.

Webber, Elmer H., et al. (See Anderson, Christ, assignor.)

Webber, George R., assignor to Veeder-Root Corporation, Augusta, Me. Low temperature dispensing container. 1,853,300; Apr. 12.

Webber, Joseph, Manchester, and J. Cooper, Market Drayton, assignors to Provincial Incandescent Fittings Company Limited, Manchester, England. Milliampere and voltage meter. 1,856,249; July 5.

Webber, Ralph F. (See Muggleton, G. D., Brallier, Van Galder, and Webber.)

Webel, Franz, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Esterification product of dicarboxylic acids and their production. 1,883,182; Oct. 18.

Weber, ——, Alabama, Calif. Hair collector. 1,844,728; Feb. 9.

Weber, August, Ludwig, Germany. Apparatus for painting lines. 1,852,535; Oct. 11.

Weber, Carl T. (See Smith, William B., assignor.)

Weber, Charles. (See Finver, A. M., and Weber.)

Weber Costello Co. (See Johnson, J. F., and Lawton, assignors.)

Weber Dental Manufacturing Company. (See Binus, Dorr A., assignor.)

Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Vibrating screen. 1,853,879; Feb. 16.

Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Sand blending apparatus. 1,853,880; Feb. 16.

Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Apparatus for screening materials. 1,883,186; Oct. 18.

Weber Electric Company. (See Butler, William L., assignor.)

Weber Electric Company. (See Butler, W. L., and Fabrey, assignors.)

Weber Electric Company, The. (See Fabrey, William H., assignor.)

Weber Electric Company. (See Walsh, Nicholas J., assignor.)

Weber Electric Company. (See Walsh, N. J., and Butler, assignors.)

Weber Electric Company. (See Weber, John, assignor.)

Weber, Fred. (See Brinson, P., and Weber.)

Weber, Fred C., East Aurora, N. Y. Antisiphping attachment for wheels. 1,882,376; Oct. 11.

Weber, Fred C., and Shelton, John W., assignor.)

Weber, Friedrich W., Hackensack, assignor to Maywood Chemical Works, Maywood, N. J. Silk improved in weight, durability, and appearance and obtaining the same. 1,858,574; May 17.

Weber, Friedrich W., Hackensack, assignor to Maywood Chemical Works, Maywood, N. J. Silk improved in weight and appearance and obtaining the same. 1,859,188; May 17.

Weber, Guillaume Hayaine, assignor to Les Petits-Fils de François & Wendel & Cie., Paris, France. Blasting cartridge. 1,840,479; Jan. 12.

Weber, Harold C., Milton, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,887,051; Nov. 8.

Weber, Harry M. (See Richards, T. K., and Weber.)

Weber, Irving M., Brooklyn, Wis. Artificial bait or similar article. Des. 87,373; July 12.

Weber, Helen M., Stevens Point, Wis. Artificial bait or similar article. Des. 87,374; July 12.

Weber, Henry, Oakland, Calif. Battery post connection. 1,855,501; Apr. 26.

Weber, Herbert C. P., Edgewood, Pa. Condensation product. 1,871,641; Aug. 16.

Weber, Herbert O., Philadelphia, Pa. Finger position indicating means for violins and the like. 1,886,070; Nov. 1.

Weber, Herman G., Sheboygan, Wis. Marking roll composition. 1,883,181; Oct. 18.

Weber, Herman G., Sheboygan, Wis. Marking roll with hard rubber surface. 1,883,184; Oct. 18.

Weber, Herman G., Sheboygan, Wis. Marking roll. 1,883,185; Oct. 18.

Weber, Herman G., Philadelphia, Pa. Marking roll with metal plates and cushion. 1,883,187; Oct. 18.

Weber, Hermann, Spiez, Switzerland. Feeding device. 1,876,370; Sept. 6.

Weber, Jacob A. (See Weber, Louis A. and J. A.)

Weber, John, Milton, Pa. Cedar chest or similar article. Des. 87,816; Sept. 20.

Weber, John, Milton, Pa. Cedar chest or similar article. Des. 87,817; Sept. 20.

Weber, John, Milton, Pa. Cedar chest or similar article. Des. 87,818; Sept. 20.

Weber, John, Milton, Pa. Cedar chest or similar article. Des. 87,819; Sept. 20.

Weber, John, Milton, Pa. Cedar chest or similar article. Des. 87,820; Sept. 20.

Weber, John, Chicago, Ill. Lock. 1,857,225; May 10.

Weber, John, Cleveland, Ohio. Game apparatus. 1,857,902; May 10.

Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Electric light socket. 1,847,153; Mar. 1.

Weber, John A., Portland, Oreg. Log turner. 1,842,465; Jan. 26.

Weber, John J., Wilmette, assignor to J. H. Jochum, jr., Chicago, Ill. Surface ornamentation. 1,844,083; Feb. 9.

Weber, John J., Wilmette, assignor to J. H. Jochum, jr., Chicago, Ill. Surface ornamentation and producing same. 1,844,084; Feb. 9.

Weber, John J., Wilmette, assignor to J. H. Jochum, jr., Chicago, Ill. Surface ornamentation and producing same. 1,862,875; June 14.

Weber, Joseph, and J. F. Tomaino, Danbury, Conn. Hatter's fur carroting machine. 1,882,461; Oct. 11.

Weber, Karl A., Los Angeles, Calif. Storage and display case for frozen foods. 1,847,544; Mar. 1.

Weber, Karl A., Los Angeles, Calif. Machine for finishing edges of strips of material. 1,850,432; Mar. 22.

Weber, Lester N., Chicago, Ill., assignor to American Reinforced Paper Company, Attleboro, Mass. Producing and curing freshly laid concrete. 1,841,931; Jan. 19.

Weber, Lester N., Chicago, Ill., assignor to American Reinforced Paper Company, Attleboro, Mass. Tarpaulin. 1,871,570; Aug. 16.

Weber, Lester N., Chicago, Ill., assignor to American Reinforced Paper Company, Attleboro, Mass. Tarpaulin. 1,871,571; Aug. 16.

Weber, Lester N., Chicago, Ill., assignor to American Reinforced Paper Company, Attleboro, Mass. Base for wall paper. 1,885,310; Nov. 1.

Weber, Louis, Langley, England. Process of and apparatus for drying bran and/or extracting oils and resins therefrom. 1,873,167; Aug. 23.

Weber, Louis, Chicago, Ill. Insulating paper. 1,887,726; Nov. 15.

Weber, Louis A., Shaker Heights, and J. A. Weber, Cleveland Heights, Ohio. Casket bier. 1,891,963; Dec. 27.

Weber, Louis J., Schenectady, N. Y., assignor to General Electric Company. Thermal relay. 1,854,007; Apr. 12.

Weber, Ludwig, Berlin-Wilmersdorf, Germany. Production of semicoke briquettes from bituminous coal. 1,875,287; Aug. 30.

Weber, M., et al. (See Buchmüller, Alfred, assignor.)

Weber Machine Corporation. (See Palser, Fred H., assignor.)

Weber, Otto H., Esslingen-on-the-Neckar, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Internal combustion engine. 1,880,556; Oct. 4.

Weber, Ottomar, Rathen-on-the Elbe, Germany. Fastening irons to props. 1,844,024; Feb. 9.

Weber, Ottomar, Rathen-on-the-Elbe, Germany. Metal binding means for vines. 1,851,224; Mar. 29.

Weber & Seelländer, Maschinenfabrik. (See Gäbler, Hans, assignor.)

Weber, Stanley, Long Island City, N. Y. Spanner wrench. 1,882,462; Oct. 11.

Weber, Stanley, Long Island City, assignor to Steinway & Sons, New York, N. Y. Piano string frame. 1,867,788; July 19.

Weber, Walter C., assignor to Corning Glass Works, Corning, N. Y. Thermometer. 1,892,477; Dec. 27.

Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetting apparatus. 1,846,008; Feb. 16.

Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,848,038; Mar. 1.

Weber, William C., Larchmont, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Feed splitter. 1,839,430; Jan. 5.

Weber, William G., assignor to International Corset Company, Aurora, Ill. Corset and brassière. 1,875,201; Aug. 30.

Webert, Louis P., assignor to The American Brass Company, Waterbury, Conn. Copper-silicon-zinc alloys. 1,848,857; Mar. 8.

Webert, Louis P., assignor to The American Brass Company, Waterbury, Conn. Copper-silicon-zinc-aluminum alloys. 1,848,858; Mar. 8.

Web-Lite Company, The. (See Reed, George F., assignor.)

Webster, Albert S., Ottawa, Ontario, Canada, assignor to American Bank Note Company, New York, N. Y. Rotary web undersurface printing machine. 1,873,912; Aug. 23.

Webster, Benjamin C., Southport, assignor to The Bryant Electric Company, Bridgeport, Conn. Strain relief fitting. 1,890,350; Dec. 6.

Webster, Byron P., Plainfield, assignor to Chipman Chemical Company, Inc., Bound Brook, N. J. Light-density composition of Paris green and calcium arsenate and making the same. 1,883,188; Oct. 18.

Webster Electric Company. (See Hutter, William H., assignor.)

Webster Electric Company. (See Kleckner, Arthur C., assignor.)

Webster, Gertrude, Los Angeles, Calif. Culinary knife. 1,877,211; Sept. 13.

Webster, Hugh G., assignor of one-half to J. W. G. Winnett, London, Ontario, Canada. Treatment of crude oils and natural gas. 1,839,362; Jan. 5.

Webster, James P., Bombay, assignor to The Calico Printers' Association Limited, Manchester, England. Decorative treatment of textile fabrics. 1,854,321; Apr. 19.

Webster, Lawrence B., Marion, Ind. Bottle. Des. 86,342; Feb. 23.

Webster, Lawrence B., Marion, Ind. Bottle. Des. 86,498; Mar. 8.

Webster, Lawrence B., Marion, Ind. Jar or similar container. Des. 86,650; Mar. 29.

Webster, Lawrence B., Marion, Ind. Jar or similar article. Des. 86,651; Mar. 29.

Webster, Lawrence B., Omaha, Nebr., assignor to C. S. Conover, Helical Bar Co. 1,839,263; Jan. 5.

Webster Manufacturing Company. (See Hale, William E., assignor.)

Webster, Maury L., Santa Monica, Calif. Wall construction. 1,880,561; Oct. 4.

Webster, Melvin L., Independence, Iowa. Display case. 1,881,986; Oct. 11.

Webster, Raymond. (See Bullock, E. W., and Webster.)

Webster, Towner K., jr., Winnetka, Ill. Traction mat. 1,863,316; June 14.

Webster, W. Stuart, Brooklyn, N. Y., assignor, by mesne assignments, to General Electric Company. Electrostatic condenser. 1,839,431; Jan. 5.

Webster, Walter W. (See Johnson, D. O., and Webster.)

Webster, Warren & Company. (See Donnelly, James A., assignor.)

Webster, Warren, & Company. (See Roblin, Karl W., assignor.)

Webster, Warren, & Company. (See Serrell, John A., and Pitts, Arthur.)

Wechsberg, Anna M. C., et al. (See Coppus, Frans H. C., assignor.)

Weckbaugh, Joseph V., New York, assignor to S. K. Nester, Geneva, N. Y. Machine for disintegrating, mixing, and emulsifying materials. 1,839,513; Jan. 5.

Weckbaugh, Joseph V., New York, assignor to S. K. Nester, Geneva, N. Y. Mixing, emulsifying, and blending materials. 1,854,087; Apr. 12.

Weckbaugh, Joseph V., New York, and S. K. Nester, Geneva, N. Y.; said Weckbaugh assignor to said Nester. Machine for disintegrating, mixing, and emulsifying materials. 1,854,086; Apr. 12.

Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,880,562; Oct. 4.

Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,880,563; Oct. 4.

Weckler, Arthur L. (See Ruffin, A. F., and Weckler.)

Wedberg, Axel G. W., Chicago, Ill. Partition and the like. 1,852,546; Apr. 5.

Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Adjustable work holder. 1,843,794; Feb. 2.

Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Adjustable lock tool holder. 1,875,967; Sept. 6.

Wedemann, Richard G., Milwaukee, Wis. Collapsible umbrella. 1,885,968; Nov. 1.

Wedin, Ivar, assignor to A C Spark Plug Company, Flint, Mich. Odometer reset mechanism. 1,864,330; June 14.

Wedin, Ivar T., assignor to A C Spark Plug Company, Flint, Mich. Speedometer temperature compensator. 1,849,068; Mar. 1.

Wedler, Harry G., assignor to The Wedler-Shuford Co., St. Louis, Mo. Seat cover. 1,857,418; May 10.

Wedler, Harry G., assignor to The Wedler-Shuford Co., St. Louis, Mo. Seat cover. 1,878,045; Sept. 20.

Wedler, Harry G., assignor to Wedler-Shuford Co., St. Louis, Mo. Seat cover. 1,882,169; Oct. 11.

Wedler Shuford Co., The. (See Wedler, Harry G., assignor.)

Wedmore, Edmund B. (See Whitney, W. B., and Wedmore.)

Wedmore, Edmund B., assignor to The British Electrical and Allied Industries Research Association, London, England. Electric circuit breaker. 1,866,495; July 5.

Wedmore, Edmund B., and W. B. Whitney, assignors to The British Electrical and Allied Industries Research Association, London, England. Electric circuit breaker. 1,867,293; July 12.

Weeber, Otto, Berlin-Charlottenburg, assignor to Simens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Static and magnetic shield. 1,875,968; Sept. 6.

Weed, Chester A., Brooklyn, N. Y., assignor to The National Acme Company, Cleveland, Ohio. Collet and pusher. 1,839,432; Jan. 5.

Weed, Hugh H. C., Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,872,537; Aug. 16.

Weeden Manufacturing Corporation. (See Ritchie, William B., assignor.)

Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Road scraper. 1,858,213; May 10.

Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Road scraper. 1,858,214; May 10.

Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Hydraulic road scraper. 1,878,080; Sept. 20.

Weeks, George M., Kronau, Saskatchewan, Canada. Antipacking attachment. 1,886,438; Nov. 8.

Weeks, L. W. (See McCarroll, Ray, assignor.)

Weeks, Leo, Des Moines, Iowa. Bill clip. 1,857,488; May 10.

Weeks, Paul T. (See Du Mont, A. B., and Weeks.)

Weeks, Ray B., Cleveland, Ohio, assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Welding device. 1,843,185; Feb. 2.

Weeks, Walter H., Lawrence, N. Y., assignor, by mesne assignments, to Federal Distributing Co. Inc., Newark, N. J. Incandescent lamp. 1,843,856; Feb. 2.

Weesner, Carl W. (See Marsh, H. S., and Weesner.)

Weesner, Lehn (Max), Cincinnati, Ohio. Sign. 1,864,702; June 28.

Wefeler, Herbert H. (See Birkenmaier, T., Boll, and Wefeler.)

Wefelscheid, Paul, Braubach-on-the-Rhine, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for thoroughly intermingling gases or vapors with molten substances. 1,853,590; Apr. 12.

Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Bill fold. Des. 88,592; Dec. 6.

Wegel, Raymond L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission device. 1,852,795; Apr. 5.

Wegel, Raymond L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,870,271; Aug. 9.

Wegener, Alvin, Bear Creek, Wis. Road machine attachment. 1,875,534; Sept. 6.

Wegman-Walsh Press, Inc. (See Stephenson, Clement L., assignor.)

Wegmann, Robert, and A. Rymann, Suhr, Switzerland. Apparatus for delivering measured quantities of powdered or granular substances. 1,846,775; Feb. 23.

Wegner, Alfred, Chicago, Ill. Emblem. Des. 87,767; Sept. 13.

Wegner, Clarence J., assignor to Perfection Steel Body Co., Galion, Ohio. Burial vault. Des. 87,609; Aug. 16.

Wegner, Clarence J., assignor to Perfection Burial Vault Company, Galion, Ohio. Vault lock. 1,891,296; Dec. 20.

Wegner, Walter E., Denver, Colo. Door stop. 1,887,365; Nov. 8.

Wego, Peter C., St. Paul, Minn. Bearing guard for conveyer rollers. 1,878,214; Sept. 20.

Wehmann, Walter W., Brooklyn, N. Y. Tailpiece for stringed musical instruments. 1,884,434; Oct. 25.

Wehnert, Waldemar. (See Jobst, G., Richter, and Wehnert.)

Wehr, George G., Philadelphia, Pa. Dike construction. 1,870,154; Aug. 2.

Wehr, George G., Philadelphia, Pa. Boat. 1,886,507; Nov. 8.

Wehr, Robert D., Lakeland, Fla. Internal combustion engine. 1,886,770; Nov. 8.

Wehrle Company. (See Pickup, George E., assignor.)

Wehsarg, Richard, Eschau, assignor to "Saya" Gesellschaft zur Herstellung Von Heilmich, Munich, Germany. Increasing the digestibility and pharmacological action of animal milk. 1,866,184; July 5.

Weich, Fred E., Hampton, Va. Airplane. 1,848,087; Mar. 1.

Weiche, Georg, Pergisch Gladbach, near Cologne-on-the-Rhine, assignor to Motorenfabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Hand control for Diesel vehicle motors. 1,846,237; Feb. 23.

Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Current regulator for electric lamps. 1,840,800; Jan. 12.

Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Variable resistance device. 1,841,864; Jan. 19.

Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Rheostat-lamp socket. 1,858,422; May 17.

Weichelt, Carl L., assignor to Wire Company, Philadelphia, Pa. Electrical resistance unit. 1,876,116; Sept. 6.

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating current motor. 1,858,255; May 17.

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating current motor. 1,870,272; Aug. 9.

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating current motor. 1,870,302; Aug. 9.

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating current motor. 1,872,371; Aug. 16.

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating current motor. 1,880,565; Oct. 4.

Weick, Fred E., Langley Field, Hampton, Va. Propeller. 1,842,468; Jan. 26.

Weicker, William, Kiosterlausnitz, assignor to Hermsdorf-Schomburg-Isolatoren G. m. b. H., Hermsdorf, Thuringen, Germany. Suspension insulator. 1,851,882; Mar. 29.

Weida, Harry, Plainfield, N. J., assignor to American Hard Rubber Company New York, N. Y. Steering wheel. 1,858,650; May 17.

Weide, Rudolph, assignor to Hermann Hurwitz & Co., Berlin, Germany. Apparatus for displacing the counter pressure roller on the missing of a sheet in multipie reproduction apparatus. 1,858,651; May 17.

Weidemann, George H., assignor to The Dow Chemical Company, Midland, Mich. Mold part. 1,888,441; Nov. 22.

Weidenbacher, Josef, Augsburg, Germany. Portable shed structure. 1,845,946; Feb. 16.

Weidenhoff, Joseph, et al. (See Brisbois, Odilon, assignor.)

Weidenhoff, Joseph, Inc. (See Haskins, Butler J., assignor.)

Weidinger, William G. G., Chicago, Ill. Hydroaeroplane. 1,854,455; Oct. 25.

Weidlich Bros. Mfg. Co. (See Flauder, Alfred J., assignor.)

Weidlich, Max, Georgenthal, near Klingenthal, Germany. Machine for fastening reeds without rivets on the sound plates of reed instruments. 1,860,758; May 31.

Weidmann, Hans. (See Baron von Girsewald, C., Weidmann, and Roesner.)

Weidmann, Hans. (See Neumark, M., Weidmann, and Roesner.)

Weidmann, Hans. (See von Girsewald, C. B., and Weidmann.)

Weidmann, Hans. (See v. Girsewald, Conway, F., and Weidmann.)

Weidmann, Hans. (See von Girsewald, C., Weidmann, and Roesner.)

Weidner, Edmund, Berlin, Germany. Folding machine for folding letters, printed matter, or the like. 1,858,448; Mar. 8.

Weidner, Nathan, assignor to Vantilities, Inc., New York, N. Y. Toilet accessories container. 1,849,126; Mar. 15.

Weidner, Victor F., Fort Washington, N. Y. Display cabinet for bulletin printers. Des. 87,768; Sept. 13.

Weigand, Erich. (See Bareiss, M., and Wiegand.)

Weigel, Joseph A., La Crosse, Wis. Banana knife. Des. 87,284; June 28.

Weigel, Rothe, Nashville, Tenn., assignor to Victor Chemical Works. Production of phosphorus. 1,867,241; July 12.

Weigel, Theodor, Cologne-Mulheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of dithiocarbamates. 1,880,564; Oct. 4.

Weigelwerk Aktiengesellschaft. (See Heller, Alfred, assignor.)

Weiger, Joseph A. (See Sieger, G. N., and Weiger.)

Weiger, Joseph A., Union City, N. J., assignor by mesne assignments, to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrical contacting element. 1,860,793; May 31.

Weiger, Joseph A., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrical make-and-break contact and composition therefor. 1,877,261; Sept. 13.

Weigert, Peter A., Baltimore, Md. Conveyer. 1,852,385; Apr. 5.

Weigl, Arthur, Munchen, Germany. Device for mechanically sorting natural and artificial products according to their color and gradations of color. 1,874,069; Aug. 30.

Weigle, Charles F., Sebring, Fla. Ankle glove. 1,844,997; Feb. 16.

Weigolt, Alphonse D., Cleveland, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord testing machine. Re. 87,989; Oct. 18.

Weihe, Adolf, assignor to Deutsche Celluloid-Fabrik, Eilenburg in Sachsen, Germany. Making mixed cellulose esters. 1,867,123; July 12.

Weihe, Adolf, Eilenburg, and O. Leuchs and E. Dörr, Elberfeld-Sonnborn, assignors to Deutsche Celluloid-Fabrik, Eilenburg i. Sa., Germany. Nitrated cellulose ether. 1,871,868; Aug. 16.

Weikel, William A., Pottsville, Pa. Road machine. 1,868,440; Aug. 2.

Weil, Edward J., assignor to Chrysler Corporation, Detroit, Mich. Abrasive element. 1,884,436; Oct. 25.

Weil, Jean, Geneva, assignor to Schwob Freres & Cie., S. A., La Chaux-de-Fonds, Switzerland. Opening case. 1,856,035; Apr. 26.

Weil, Louis, Strasbourg, France. Food leavening composition. 1,847,799; Mar. 1.

Weil, Louis B. Chicago, Ill. Cosmetic jar. Des. 86,425; Mar. 1.

Weil, Maurice, et al. (See Stern, Sadie, assignor.)

Weil, Maximilian. (See Porel, Jan, assignor.)

Weil, Maximilian, New York, N. Y. Transmission for phonographs. 1,877,707; Sept. 13.

Weil, Maximilian, New York, N. Y. Clock. 1,847,800; Mar. 1.

Weil Imp Co. (See Vitu, James E., assignor.)

Weil-McLain Company. (See Good, Charles W., assignor.)

Weil-McLain Company. (See Stockwell, William R., assignor.)

Weiland, Alfred, Neshanic, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound box support and used needle receptacle. 1,843,529; Feb. 2.

Weiland, Alfred, Germantown, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning device. 1,854,239; Apr. 19.

Weiland, Henry J. (See Henke, C. O., and Weiland.)

Weiland, Henry J. (See Van Romaine, E., Weiland, Powers, and Palmer.)

Weiland, John A., assignor to Weiland Packing Company Inc., Phoenixville, Pa. Molding apparatus. 1,869,232; July 26.

Weiland Packing Company Inc. (See Weiland, John A., assignor.)

Weiler, John G. (See Vaughn, Wallace B., assignor.)

Weiler, Max, Wiesdorf-Leverkusen, and K. Berres, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation product from a non-hydroxylated benzyl alcohol. 1,880,566; Oct. 4.

Weiler, Sigmond G., Milwaukee, Wis. Wall stove. Des. 87,038; May 24.

Weiler, Sigmond G., Milwaukee, Wis. Brush. 1,849,322; Mar. 15.

Weiler, Sigmond G., Milwaukee, Wis. Stove. 1,881,987; Oct. 11.

Weiler, Sigmond G., Milwaukee, Wis. Stove. 1,886,239; Nov. 1.

Weill, Léon D., Paris, France. Thermostatic control. 1,861,268; May 31.

Weiller, Paul G., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Radio receiving system. 1,866,916; July 12.

Weiller, Paul G., Bloomfield, N. J., assignor of fifty per cent to Radio Patents Corporation. Detector for modulated alternating currents. 1,878,046; Sept. 20.

Weiman, Herman J., assignor to H. Gosch, Davenport, Iowa. Washing machine. 1,849,896; Mar. 15.

Weimer, Albert W., and J. F. Smith, assignors to Walter Parson, Jr., Geneseo, Ill. Battery terminal. Re18,451; May 3.

Weimer, Robert E., Colliers, W. Va., assignor to Weimer-Warren Company. Electric controller. 1,845,375; Feb. 16.

Weimer-Warren Company. (See Weimer, Robert E., assignors.)

Wein, Samuel. (See Bock, Leon, assignor.)

Wein, Samuel, assignor to Radiovision Corporation, New York, N. Y. Photovoltaic cell. 1,887,531; Nov. 15.

Weinand, Klaus, Cologne-Flittard, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New wool dyestuffs of the anthraquinone series. 1,840,420; Jan. 12.

Weinand, Klaus, Cologne-Flittard, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 1-Aminoanthraquinone-2-sulphonic acid. 1,841,097; Jan. 19.

Weinand, Klaus, Cologne-Flittard, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 1,843,308; Feb. 2.

Weinand, Klaus, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinone series. 1,848,309; Mar. 8.

Weinand, Klaus, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New acid wool dyestuffs of the anthraquinone series. 1,848,510; Mar. 8.

Weinberg, Alexander, New York, N. Y. Game apparatus. 1,846,412; Feb. 23.

Weinberg, Bennett, Butte, Mont. Mattress protector. 1,869,450; Aug. 2.

Weinberg, Solomon, assignor to Industrial By-Products & Research Corporation, Philadelphia, Pa. Abrasion testing machine. 1,841,167; Jan. 12.

Weinberg, Walter H., West Toledo, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Producing a burner gas supply of uniform sulphur dioxide content. 1,863,705; June 21.

Weinberger, Julius. (See Olson, H. F., and Weinberger.)

Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Eliminating fading. 1,849,859; Mar. 15.

Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Sound reproduction. 1,850,701; Mar. 22.

Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Paper roll phonograph record. 1,871,761; Aug. 16.

Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Acoustic shielding. 1,876,117; Sept. 6.

Weinberger, Julius, and I. Wolff, New York, N. Y., assignor to Radio Corporation of America. Loud speaker. 1,847,456; Mar. 1.

Weinberger, Martin, Minneapolis, Minn. Screen apparatus for automobile windows. 1,875,901; Sept. 6.

Weindel, Fred, jr., Allentown, assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Card holder. 1,841,690; Jan. 19.

Weindel, Fred, jr., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Ornamentally embossed strip material. 1,850,856; Mar. 22.

Weindel, Fred, jr., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Greeting card. 1,850,857; Mar. 22.

Weindel, Fred, jr., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Fabricating metallic labels. 1,892,478; Dec. 27.

Weindel, Frank. (See Dember, E., and Weinder.)

Weindl, Karl, Munich, Germany. Film cartridge. 1,840,143; Jan. 5.

Weiner, Harry, Philadelphia, Pa. Merchandising carton. 1,864,968; June 28.
Weiner, Morris, assignor one-half to S. Lefkowitz, and one-half to I. Mintz, New York, N. Y. Photographic printing and trimming machine. 1,861,992; June 7.
Weinfeld, Annie E., executrix. (See Dugan, Annie, assignor.)
Weingand, Richard, Bomlitz, near Walsrode, Germany. Manufacturing articles from cellulose compounds. 1,846,575; Feb. 23.
Weingand, Richard, Bornlitz, near Walsrode, Germany. Apparatus for manufacturing seamless flexible tubes from cellulose solutions. 1,864,006; June 21.
Weingand, Richard, and H. L. Schulz, Bomlitz, near Walsrode, Germany. Manufacturing smokeless powder. 1,890,960; Dec. 13.
Weingarten, Oscar, New York, N. Y. Garment lacing. 1,850,781; Mar. 22.
Weingartner, Anthony E., Bethlehem, assignor to American Engineering Company, Philadelphia, Pa. Steering gear system. 1,884,437; Oct. 25.
Weingartner, Anthony E., assignor to American Engineering Company, Philadelphia, Pa. Gearing for stokers. 1,889,718; Nov. 29.
Weingand, Richard, Bomlitz, near Walsrode, Germany. Uniting lacquered cellulose foils. 1,858,402; Nov. 22.
Weinhart, Howard W., Elizabeth, N. J., and H. Hall, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical apparatus. 1,867,340; July 12.
Weinheim, Emil. (See Day, L., and Weinheim.)
Weinheimer, Carl M., Buffalo, N. Y. Refrigerator. 1,866,435; July 5.
Weinheimer, Carl M., Buffalo, N. Y. Refrigerator. 1,866,556; Oct. 11.
Weinig, Arthur J., Golden, Colo., assignor to The American Metal Company, Limited, New York, N. Y. Separating ore. 1,869,532; Aug. 2.
Weinland, Herman C., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Spark arrester. 1,884,438; Oct. 25.
Weinman, Edwin L., assignor of one-tenth to J. J. McKenna and S. W. Harris, Chicago, Ill. Combination folding bed and davenport. 1,885,160; Nov. 1.
Weinman, Carl. (See Miller, G., and Weinmann.)
Weinrich, Walter H., and F. C. Geiler, assignors to Trupar Manufacturing Company, Dayton, Ohio. Quick-acting mechanism for electric switches and the like. 1,853,155; Apr. 12.
Weinstein, Abraham S., Brighton, Mass. Briquetted interlocking flashing. 1,867,956; July 19.
Weinstein, Joseph, Brooklyn, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigeratory container. 1,843,055; Jan. 26.
Weinstein, Joseph, Brooklyn, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigeratory container. 1,871,829; Aug. 16.
Weinstein, Leon, St. Louis, Mo. Combined heel-lift wear and securing plate. 1,850,433; Mar. 22.
Weinstein, Leon, St. Louis, Mo. Combined shoe shank stiffener and heel plate. 1,878,012; Sept. 20.
Weinstein, Loen, St. Louis, Mo. Wear-plate for shoe-heels and the like. 1,891,515; Dec. 20.
Weinstein, Morris, New York, N. Y. Suspenders. 1,841,924; Jan. 19.
Weinstein, Morris, Passaic, assignor to Herman Lustig, Newark, N. J. Adjustable strap for electric fixtures. 1,848,054; Jan. 26.
Weinstein, Otto, assignor to Standard Neckwear Company, Boston, Mass. Double faced necktie and preparing the same. 1,880,091; Sept. 27.
Weinzierl, Joseph T. (See Straub, F. J., and Weinzierl.)
Weir, Frederick. (See Boynton, Walter, assignor.)
Weir, Irvin R., Schenectady, N. Y., assignor to General Electric Company. Circuit for electron discharge devices. 1,884,439; Oct. 25.
Weir, Irvin R., Schenectady, and L. W. Richardson, Scotia, N. Y., assignors to General Electric Company. Signaling system. 1,850,858; Mar. 22.
Weir, Irvin R., Schenectady, and L. W. Richardson, Scotia, N. Y., assignors to General Electric Company. Inductance coupling device. 1,854,008; Apr. 12.
Weir, Irvin R., Schenectady, and L. W. Richardson, Scotia, N. Y., assignors to General Electric Company. Signaling system. 1,880,568; Oct. 4.
Weir, James B., New Dorp, assignor, by mesne assignments, to Standard Mirror Company, Inc., Buffalo, N. Y. Clock and mirror holder. 1,884,598; Oct. 25.
Weir, James W. (See Howes, Raymond T., assignor.)
Weir Kilby Corporation. (See Fernelding, G., and West, assignors.)
Weis, Andrew L., Fort Lauderdale, Fla. Cigarette holder. 1,841,389; Jan. 19.
Weis, Arthur R. (See Bigelow, G. E., and Weis.)
Weis, Arthur R., assignor of one-half to Pacific Pump Works, Huntington Park, Calif. Device for preventing short circuiting flow around impellers. 1,839,514; Jan. 5.
Weis, Arthur R., assignor of one-half to Pacific Pump Works, and one-half to George E. Bigelow, Huntington Park, Calif. Intermediate bearing construction. 1,872,538; Aug. 6.
Weis, August. (See Schippers, F., and Weis.)
Weis, Henry, Manufacturing Company. (See Jones, Arthur E., assignor.)
Weis, Henry, Manufacturing Company. (See Kerr, P. W., and Jones, assignors.)
Weis, Henry T., Fairmont, W. Va. Washing apparatus for combustion chambers. 1,849,737; Mar. 15.
Weis, John P., Nyack, N. Y. Surgical clip applying instrument. 1,880,569; Oct. 4.
Weis, John P., Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Machine for stitching wire fabrics. 1,883,177; Oct. 18.
Weis Manufacturing Company, The. (See Consor, Herbert A., assignor.)
Weis, William, Perham, Minn. Card holder for automobile radiator fronts. Des. 87,696; Aug. 30.
Weisberg & Greenwald, Inc. (See Greenwald, Willard F., assignor.)
Weisberg & Greenwald, Inc. (See Weisberg, L., and Greenwald, assignors.)
Weisberg, Louis, and W. F. Greenwald, assignors to Weisberg and Greenwald, Inc., New York, N. Y. Chromium coated articles and preparing same. 1,880,567; Oct. 4.
Weisberg, Samuel M. (See Johnson, A. B., and Weisberg.)
Weisbrod, Karl. (See Hubert, E., Rost-Grande, and Weisbrod.)
Weise, Hermann O., Zittau, Germany. Dye vat for dyeing piece goods. 1,874,398; Aug. 30.
Weise, Paul. (See Raspe, F., and Weise.)
Weisel, Zenas V. (See Hammond, F. C., and Weisel.)
Weisenburg, Andrew, Philadelphia, Pa. Bottle cap assembling machine. 1,858,695; May 17.
Weiser, Frank J. W., Elmhurst, Ill. Piano. 1,892,296; Dec. 27.
Weiser, George L., assignor to Delco-Remy Corporation, Anderson, Ind. Coating device. 1,847,737; Mar. 1.
Weisinger, Joseph, Newark, N. J. City limit taximeter. 1,853,103; Apr. 12.
Weisker, Ellis, New York, N. Y. Photographic apparatus. 1,858,423; May 17.
Weiskopf, Charles H., Hawthorne, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitator. 1,846,169; Feb. 23.
Weiskopf, Walter H., New York, N. Y. Temporarily supporting structural elements. 1,851,025; Mar. 29.
Weiskopf, Walter H., Cedarhurst, N. Y. Temporary supporting structural elements. 1,851,026; Mar. 29.
Weiskotten, William S., San Diego, Calif. Combination boot and shoe tree. 1,862,168; June 7.
Weislow, George, assignor to Self Locking Folder Co., Chicago, Ill. Self locking envelope device. Re18,422; Apr. 12.
Weisner, Harry, Philadelphia, Pa. Fur sewing machine attachment. 1,855,120; Apr. 19.
Weisner, Harry, Philadelphia, Pa. Necktie pin. 1,857,226; May 10.
Weisner, Louis, and L. S. Hill, New York, N. Y. Message protector. 1,845,947; Feb. 16.
Weisner, Robert L., Durham, N. C., assignor of one-half to The American Tobacco Company, New York, N. Y., and one-half to Comoe Cigarette Machine Company, Salem, Va. Tobacco stemming machine. 1,849,776; Mar. 15.
Weiss, Albert J. (See Lewis, R. R., and Weiss.)
Weiss, Arnold F., Humboldt, Iowa. Power posthole auger. 1,882,350; Oct. 11.
Weiss, Arthur J. (See Franzen, E. T., and Weiss.)
Weiss, Camillo. (See Hilpert, M. G., and Weiss.)
Weiss, Carl A., Kansas City, Mo. Machine support. 1,853,104; Apr. 12.
Weiss, Carl W., Brooklyn, N. Y. Universal joint. Re15,570; Aug. 8.
Weiss, Carl W., Brooklyn, N. Y. Transmission device. 1,850,189; Mar. 22.
Weiss, Carl W., Brooklyn, N. Y. Transmission. 1,858,696; May 17.
Weiss, Carl W., Brooklyn, N. Y. Power transmission device. 1,881,154; Oct. 4.
Weiss, Charles J., Towanda, Pa. Antiskid tire chain. 1,862,104; June 7.
Weiss, Dewey S., Portland, Oreg. Drawbar apparatus for trailers. 1,875,969; Sept. 6.
Weiss and Downs, Inc. (See Craver, Augustus E., assignor.)
Weiss, Ernst, Wethmar, near Lunen, Germany. Rotary furnace. 1,863,952; June 21.
Weiss, Ernst, Dusseldorf, Germany. Collar stud and necktie retainer. 1,883,359; Nov. 29.
Weiss, Hans. (See Griessbach, R., and Weiss.)
Weiss, Howard F. (See Wyatt, E. M., and Weiss.)
Weiss, John, New York, N. Y. Aircraft. 1,853,647; Apr. 12.
Weiss, John M., assignor, by mesne assignments, to The Barrett Company, New York, N. Y. Disposal of coal tar pitch. 1,890,349; Dec. 6.
Weiss, Leo L., New York, N. Y. Toy house or similar article. Des. 87,610; Aug. 16.
Weiss, Ludwig, Frankfort-on-the-Main, Germany. Manufacture of opacifiers. 1,881,303; Oct. 4.
Weiss, Morris L., Newark, and C. P. Bardsley, South Orange, N. J., assignors, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Making diaryl guanidines. 1,883,189; Oct. 18.
Weiss, Paul E. (See Hjermind, C. W., and Weiss.)

Weiss, Wenzel F., San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Exhaust box. 1,839,433; Jan. 5.

Weissbuch, Helmut. (See Beck, C., and Weissbach.)

Weissberg, Hyman D., New York, N. Y. Combined nursing bottle and nipple holder. 1,890,462; Dec. 13.

Weissbrod, Carl J. (See Weissbrod, W. H. and C. J.)

Weissbrod, Willis H., Greenfield, Mass., and C. J. Weissbrod, New York, N. Y. Bill-fold. 1,843,468; Feb. 2.

Weissenborn, Albert. (See Knorr, A., and Weissenborn.)

Weissenborn, Albert B., assignor to Scolding Locks Corporation, Appleton, Wis. Hairpin. 1,842,135; Jan. 19.

Weissenborn, Albert B., assignor to Scolding Locks Corporation, Appleton, Wis. Hairpin. 1,855,811; Apr. 26.

Weissenburger, Adolf, Eviliard, assignor to the Firm Hermann Thieren, S. A. Ste. Croix, Switzerland. Pyrgeparator. 1,865,009; Nov. 22.

Weisser, Richard J., Braunau, Czechoslovakia. Motor sled. 1,885,787; Nov. 1.

Weisshuhn, Ernst, Troppau, Czechoslovakia, assignor to F. L. Smidth & Co., New York, N. Y. Bag. 1,853,105; Apr. 12.

Weitling, Terijon, New York, N. Y. Sound reproducing device. 1,840,992; Jan. 12.

Weitling, Terijon, New York, N. Y. Antenna. 1,886,322; Nov. 1.

Weitz, Fred W., Des Moines, Iowa. Method of and apparatus for anchoring standards. 1,857,489; May 10.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,181; Nov. 1.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,182; Nov. 1.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,183; Nov. 1.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,275; Nov. 8.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,390; Nov. 22.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,445; Nov. 29.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,446; Nov. 29.

Weitz, Irene A., Brooklyn, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,329; Nov. 15.

Weitz, Irene A., Brooklyn, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,338; Nov. 15.

Weitz, Irene A., Brooklyn, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,339; Nov. 15.

Weitz, Irene A., Brooklyn, assignor to Combier & Co. Inc., New York, N. Y. Textile fabric or the like. Des. 88,393; Dec. 6.

Weitz, Irene A., Brooklyn, N. Y. Textile fabric or the like. Des. 88,698; Dec. 13.

Weitzel, Edward J., assignor to Rolling Screens, Inc., Brooklyn, N. Y. Corner brace for window screens. 1,852,866; Apr. 5.

Weitzenhoffer, Anton M., McAlester, Okla. Breeches. 1,880,570; Oct. 4.

Wej-Lock Manufacturing Company. (See Handel, Charles E., assignor.)

Wejnarth, Axel R., Gredbyvagen, Eskilstuna, Sweden. Electrothermic smelting of sulphidiferous materials. 1,873,800; Aug. 23.

Welbourne, Harry E., assignor to Pioneer Manufacturing Company, West Allis, Wis. Implement hitch. 1,851,142; Mar. 29.

Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Dynamo electric machine. 1,852,829; Apr. 5.

Welch, Arthur R., Hoquiam, Wash. Patching veneer. 1,878,081; Sept. 20.

Welch, Charles H., jr. (See Lane, T. E., and Welch.)

Welch, Edward C., et al. (See Morrison, Ralph A., assignor.)

Welch, Edward J., New York, N. Y. Collapsible trim and drip molding. 1,843,637; Feb. 2.

Welch, Edward J., New York, N. Y. Finishing strip for automobiles and the like. 1,865,660; July 5.

Welch, Edward J., New York, N. Y. Molding strip. 1,884,640; Oct. 25.

Welch, Edward J., New York, N. Y. Drip strip. 1,884,441; Oct. 25.

Welch, Elmer R., Wichita, Kans. Saw. 1,840,925; Jan. 12.

Welch, Herman, Los Angeles, Calif. Toy pistol. 1,861,390; Jan. 19.

Welch, Horace H., New York, N. Y. Composite gem and jewel. 1,850,190; Mar. 22.

Welch, Jack T., San Diego, Calif., assignor to James Hedd'n's Sons, Dowagiac, Mich. Artificial minnow. Re18,390; Mar. 22.

Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Reel seat for fishing rods. 1,870,078; Aug. 2.

Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing rod. 1,870,976; Aug. 9.

Welch, Jack T., assignor to James Heddon's Sons Dowagiac, Mich. Fishing rod. 1,871,229; Aug. 9.

Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Artificial bait. 1,882,463; Oct. 11.

Welch, James J., Austin, Minn. Burial vault. 1,842,437; Jan. 26.

Welch, John B., New Orleans, La. Drying apparatus. 1,848,811; Mar. 8.

Welch, Lon E., assignor to Art Marble Company of America, Jackson, Miss. Manufacture of building material. 1,864,287; June 21.

Welch, Paul B., Coral Gables, Fla. Air conditioning device. 1,854,569; Apr. 19.

Welch, Paul V., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Multiswitch coupling. 1,865,600; July 5.

Welch, W. M., Mfg. Co. (See Kopp, Reinhold A., assignor.)

Welch, Walter H., Bristol, England. Testing apparatus for motor vehicles. 1,846,170; Feb. 23.

Welch, Walter H., Bristol, England. Testing apparatus for motor vehicles. 1,866,738; July 12.

Welch, William H., assignor to Cochrane-Bly Company, Rochester, N. Y. Metal cutting machine. 1,840,684; Jan. 12.

Welch, William H., assignor to Cochrane-Bly Company, Rochester, N. Y. Metal cutting machine. 1,848,288; Mar. 8.

Welcker, Rudolph, assignor of one-fourth to Franklin G. Neal, Springfield, Mass. Flow governor. 1,883,190; Oct. 18.

Welcome, Carl J. (See Noble, W., and Welcome.)

Weld, Herbert W., Chicago, Ill. Generator of ultra violet rays. 1,841,076; Feb. 16.

Weld, Louis M., jr., H. Obler, and F. Berkley, Meyersdale, Pa. Mining machine. 1,884,986; Oct. 25.

Welde, Robert. (See Hopkinson, G., and Welde.)

Welded Products Co. of Louisiana, Inc. (See Spence, Ernest N., assignor.)

Welding Service Inc. (See Frickey, Royal E., assignor.)

Welding Service Inc. (See McClary, Archie W., assignor.)

Welding Service, Inc. (See ReQua, Frederick L., assignor.)

Weldon, John J. (See Childs, A. T., and Weldon.)

Wei-Ever Piston Ring Company, The. (See Fall, Albert P., assignor.)

Welhaven, Edward, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 1,852,556; June 14.

Welikes, Anthony, Rochester, N. Y. Steering gear brace. 1,865,291; June 28.

Welikes, Anthony, Rochester, N. Y. Piston attachment. 1,867,384; Nov. 8.

Welk, Julius R., Churchbridge, Saskatchewan, Canada. Pump. 1,878,739; Sept. 20.

Welk, Nelson S. (See Welk, R., Welk, and Zenner.)

Welk, Nelson S., assignor to The McBee Binder Company, Athens, Ohio. Permanent binder for loose leaves. 1,845,009; Feb. 16.

Welk, Nelson S., and D. R. Zenner, assignors to The McBee Binder Co., Athens, Ohio. Adjustable book supporting rack. 1,875,288; Aug. 30.

Welke, Ferdinand G. (See Davisson, D. W., and Welke.)

Welker-Hoops Manufacturing Company, The. (See Welker, Oscar B., assignor.)

Welker, Oscar B., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn. Closure for tanks. 1,892,267; Dec. 27.

Wellauer, Max, assignor to Maschinenfabrik Oerlikon, Oerlikon, Switzerland. Transformer for polyphase rectifiers. 1,851,792; Mar. 29.

Wellborn, Burt T. (See Perkins, B. Y., Wellborn, and Starke.)

Wellensiek, L. H., assignor to Hughes Tool Company, Houston, Tex. Core drill. 1,854,914; Apr. 19.

Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Core catcher for well drills. 1,850,434; Mar. 22.

Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Vent for core drills. 1,867,720; July 19.

Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Core catcher. 1,867,721; July 19.

Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Roller core bit. 1,874,070; Aug. 30.

Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Core bit construction. 1,874,071; Aug. 30.

Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Vent for core barrels. 1,874,072; Aug. 30.

Weller, Arthur A., Providence, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass. Fastener for boxes or the like. 1,864,780; June 28.

Weller, Frank C. (See Morley, D. W., and Weller.)

Weller, Herbert C., and Champion, H. Controlling device for electrical circuits. 1,868,403; July 19.

Weller, John, West Horsley, England. Chair. 1,876,479; Sept. 6.

Weller, John H., assignor to Sargent & Company, New Haven, Conn. Cork extractor and bottle opener. 1,861,093; June 7.

Welles, Edward R., Brooklyn, and F. W. de Jahn, assignors to Public Industrials Corporation, New York, N. Y. Dry-cleaning apparatus. 1,843,657; Feb. 2.

Welling, Orville F., Oakland, Calif. Gasoline vaporizer. 1,866,829; July 12.

Wellington, Arthur W. (See Surface, M. E., and Wellington.)

Wellington, Barrett R., Troy, N. Y. Calculating apparatus. 1,851,744; Mar. 29.

Wellington Machine Company, The. (See Deisler, Harry W., assignor.)

Wellman, Bertram, Schenectady, N. Y., assignor to General Electric Company. Glass to metal seal. 1,830,571; Oct. 4.

Wellman Bronze & Aluminum Company, The. (See Esterly, Charles L., assignor.)

Wellman, Charles F., assignor to Ford Motor Company, Dearborn, Mich. Brake rod support. 1,832,351; Oct. 11.

Wellman, Charles P., West Medford, Mass., assignor of one-half to C. S. Andrews, Chattanooga, Tenn. Folded box. 1,859,903; May 24.

Wellman, Charles P., Medford, Mass., assignor to American Machine & Foundry Company. Lined receptacles. 1,882,049; Oct. 11.

Wellman, Charles P., Medford, Mass., assignor to American Machine & Foundry Company. Lined receptacle. 1,882,170; Oct. 11.

Wellman Engineering Company, The. (See Robin, Philip T., assignor.)

Wellman Engineering Company, The. (See Sabin, Ford L., assignor.)

Wellman, Fred C. (See Rathbun, John B., assignor.)

Wellman, Henry J., Nolan, assignor of one-half to M. T. Joseph and one-fourth to W. E. Good, Williamson, W. Va. Ratchet wrench. 1,860,914; May 31.

Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture projector. 1,845,462; Feb. 16.

Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Self threading motion picture apparatus. 1,878,215; Sept. 20.

Wellman Seaver Mording Mill Company. (See Peters, Mathias, assignor.)

Wellons, Charles McC., Bellevue, Pa. Crank. 1,882,203; Oct. 4.

Wells, Benjamin H., assignor to Heater Glove Company, Seattle, Wash. Aviator's helmet. 1,841,232; Jan. 12.

Wells, Burling D., Danbury, assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Candle socket. 1,869,451; Aug. 2.

Wells, C. A., et al. (See Schofield, John G., assignor.)

Wells, C. G., et al. (See Walker, Jay P., assignor.)

Wells, Chandler, Buffalo, N. Y. Apparatus for transporting automobiles. 1,860,518; May 31.

Wells, Chandler, Buffalo, N. Y. Method and apparatus for transporting automobiles. 1,864,781; June 28.

Wells, Clayton F., assignor to Chicago Foundry Company, Chicago, Ill. Cupola reservoir. 1,865,491; July 5.

Wells, Cyrus J., and H. W. Femling, Seattle, Wash. Method of delivering highly volatile liquids into an engine cylinder. 1,854,774; Apr. 19.

Wells, Frank O., Greenfield, Mass. Forming thread cutting taps. 1,875,409; Sept. 6.

Wells, Fred W., Greenfield, Mass. Screw cutting die. 1,878,216; Sept. 20.

Wells, Frederick, Toledo, Ohio. Structural steel truss joist. 1,863,817; June 21.

Wells, Freeland. (See Bouvier, H. K., and Wells.)

Wells, George W., assignor of one-half to Walker Body Company, Amesbury, Mass. Combined door holder and buffer. 1,865,661; July 5.

Wells, Harold D., Glens Falls, N. Y. Proportioning and metering apparatus. 1,862,643; June 14.

Wells, Harold D., Glens Falls, N. Y. Paper stock regulator. 1,890,799; Dec. 13.

Wells, Hewitt L., Washington, D. C. Concrete floor construction. 1,883,191; Oct. 18.

Wells, Hewitt L., Washington, D. C. Concrete floor construction. 1,883,192; Oct. 18.

Wells, Ira M., Oakland, and H. A. Olds, San Francisco, Calif. Road working machine. 1,868,648; July 26.

Wells, Jackson B., assignor to Eastman Kodak Company, Rochester, N. Y. Making nitro cellulose films and similar products. 1,845,377; Feb. 16.

Wells, Jackson B., assignor to Eastman Kodak Company, Rochester, N. Y. Color backed motion picture film. 1,870,662; Aug. 9.

Wells, Jackson B., and C. L. A. Wynd, assignors to Eastman Kodak Company, Rochester, N. Y. Making cellulosic films. 1,878,559; Sept. 20.

Wells, John W. (See Hacker, M. L., Wells, Hacker, and Barnes.)

Wells, Lennie, Long Beach, Calif. Rotary jar. 1,870,540; Aug. 9.

Wells, Loren E., Modesto, Calif. Safety hook. 1,886,138; Nov. 1.

Wells, Milton H., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 1,886,439; Nov. 8.

Wells, Nathaniel C., assignor of one-half to H. Heemsoth, Toledo, Ohio. Hinge. 1,863,889; June 21.

Wells, Philip V. (See Mackenzie, L. F., and Dewis.)

Wells, Rex E., Detroit, Mich. Vehicle construction. 1,864,625; June 28.

Wells, Richard, and F. M. Small, assignors to Wells Valve & Equipment Corp., Bartlesville, Okla. Valve. 1,884,442; Oct. 25.

Wells, Richard, assignor, by mesne assignments, to Columbia Products, Incorporated, Bartlesville, Okla. Gate valve. 1,886,139; Nov. 1.

Wells, Robert F., and D. W. Mersereau, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 1,878,083; Sept. 20.

Wells, Sidney D. (See Rue, J. D., Wells, and Rawling.)

Wells, Sidney D., Quincy, Ill., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bleaching of paper pulp. 1,883,193; Oct. 18.

Wells, Sterling, Schaller, Iowa. Cream separator washer. 1,887,174; Nov. 8.

Wells, Thomas P., assignor of one-half to T. K. Hudson, Denver, Colo. Flowerpot. 1,856,179; May 3.

Wells Valve & Equipment Corp. (See Wells, R., and Small, assignors.)

Wells, Walter W, assignor to Reo Motor Car Company, Lansing, Mich. Transmission mechanism. 1,842,485; Jan. 26.

Wells, Wesley B. (See Fisher, A. W., and Wells.)

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Adjustable supporting structure for light signals and the like. 1,842,224; Jan. 19.

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,864,224; June 21.

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,887,983; Nov. 15.

Wells, William A. H., Edgewood, R. I. Clasp. 1,841,423; Jan. 19.

Wells, William C., assignor to Delco-Light Company, Dayton, Ohio. Engine. 1,868,649; July 26.

Wells, William C., and W. E. Wendt, assignors to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,869,640; Aug. 2.

Wells, William E., Birdseye, Ind. Nut. 1,865,346; June 28.

Wells, William F., Cannon Falls, Minn. Combination pencil sharpener and eraser. 1,844,729; Feb. 9.

Wells, William H., Concord, Mass. Carpenter's tool. 1,890,273; Dec. 6.

Wells, Wilton L., New Albany, Ind. Display device. 1,863,516; June 14.

Welsbach Street Lighting Company of America. (See Beck, M. B., and Whittaker, assignors.)

Welsbach Traffic Signal Company. (See Keith, W. G., and Manarik, assignors.)

Welsbach Traffic Signal Company. (See Munch, Gustave E., assignor.)

Welsh, Herbert, Grant City, N. Y. Aquaplane. 1,853,159; Apr. 12.

Welsh, James W., assignor to The Welsh Manufacturing Company, Providence, R. I. Mechanical pencil. 1,849,210; Mar. 15.

Welsh, Katherine, Brooklyn, N. Y. Beauty mask. 1,872,642; Aug. 16.

Welsh Manufacturing Company, The. (See Welsh, James W., assignor.)

Welsh, Richard E., assignor to Flour City Specialty Manufacturing Company, Minneapolis, Minn. Bathing implement. 1,863,778; June 21.

Welsh, Thomas G., Brooklyn, N. Y. Flexible tube. 1,849,513; Mar. 15.

Welsh, Thomas H., et al. (See Schofield, John G., assignor.)

Welter, Adolf, Krefeld-Rheinhafen, Germany. Compressed air soap. 1,842,736; Jan. 26.

Welter, Adolf, Krefeld-Rheinhafen, Germany. Compressed air soap. 1,842,739; Jan. 26.

Welter, Adolf, Krefeld-Rheinhafen, Germany. Rendering odorless soaps bleached with hypochlorous acid. 1,845,461; Feb. 16.

Welter, Adolf, Creteld, Germany. Converting liquid soap into a rapidly soluble handy form. 1,887,474; Nov. 8.

Welter, Eduard, assignor to Koch & Sterzel Aktiengesellschaft, Dresden, Germany. High potential transformer. 1,869,233; July 26.

Welter, Howard C., Evanston, and C. C. Van Denburgh, Oak Park, Ill. Cable support. 1,844,304; Feb. 9.

Welton, John A., Dover, Ohio. Tie plate and rail brace. 1,858,868; May 17.

Welts, Daniel E., Pasadena, Calif. Toughening sheep castings. 1,863,818; June 21.

Welty, Albert B. (See Haney, C. R., and Welty.)

Welty, Albert B., Chicago, Ill., assignor to International Harvester Company. Straw spreader for harvester threshers. 1,886,410; Nov. 1.

Welty, Edgar S.; E. S. Welty, guardian of said Edgar S. Welty, minor, assignor of one-half to W. F. Cramer, Kansas City, Mo. Device for transmitting power at a variable ratio. 1,841,263; Jan. 12.

Welty, Elizabeth S., guardian. (See Welty, Edgar S.)

Welty, Peter P, Pandora, Ohio. Corner piece for sheathing. 1,853,056; Jan. 26.

Wemböner, Wilhelm, Berlin-Niederschonweide, Germany. Carburetor. 1,885,395; Nov. 1.

Wemlinger, Julius R., New York, N. Y. Corrugated sheet piling. 1,888,751; Nov. 22.

Wemlinger, Julius R., New York, N. Y. Sheet piling. 1,888,752; Nov. 22.

Wemp, Ernest E., Detroit, Mich. Clutch. 1,861,251; May 31.

Wemp, Ernest E., Detroit, Mich. Clutch construction for automotive vehicles. 1,861,253; May 31.

Wemp, Ernest E., Detroit, Mich. Clutch. 1,886,323; Nov. 1.

Wempe, Friedrich, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Apparatus for regulating the operation of steam generating plants, especially for locomotives. 1,878,217; Sept. 20.

Wempe, Friedrich, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Indirectly heated steam generator. 1,883,194; Oct. 18.

Wemple, Merritt C., assignor to Geo. D. Roper Corporation, Rockford, Ill. Volatile liquid transfer pump. 1,851,338; Mar. 29.

Wende, Franz, Berlin, assignor to Fritz Werner Aktiengesellschaft, Berlin-Marienfelde, Germany. Measuring apparatus. 1,889,719; Nov. 29.

Wendelstadt, Lucius F., Canaan, N. H. Shock absorber. 1,877,543; Sept. 13.

Wendeln, Oliver B., Nederland, Tex., assignor to The Pure Oil Company, Chicago, Ill. Filter. 1,887,052; Nov. 8.

Wender, Eugene, Frankfort-on-the-Main, Germany. Movable clamp for metallic roof coverings. 1,882,105; Oct. 11.

Wenderhoid, William, assignor to E. Uebelmesser, New York, N. Y. Nozzle device. 1,840,863; Jan. 12.

Wenderhold, William, assignor to E. Uebelmesser, New York, N. Y. Steam boiler. 1,853,183; Apr. 12.

Wenderoth, Oscar, New York, N. Y. Interference free sound reproducing device. 1,865,958; July 26.

Wendlandt, Rudolf. (See Fischer, T., and Wendlandt.)

Wendle, Virgil P., assignor to The Reeves Manufacturing Company, Dover, Ohio. Cover lock for pails. 1,862,730; June 14.

Wendle, Virgil P., assignor to The Reeves Manufacturing Company, Dover, Ohio. Flux box gate. 1,883,427; Oct. 18.

Wendler, Adolph F., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Dust separation. 1,847,368; Mar. 1.

Wendler, Adolph F., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Ball mill. 1,862,557; June 14.

Wendorff, Gustav, Stettin, Germany. Playing card mixing device. 1,867,690; July 19.

Wendt, Bruno, Dessau in Anhalt, and H. Bincer, Dessau-Ziebigk in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Fixing bleaching-out pigments. 1,850,162; Mar. 22.

Wendt, Bruno, Dessau-in-Anhalt, and H. Bincer, Dessau-Ziebigk, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Fixing photographic bleaching-out layers. 1,871,830; Aug. 16.

Wendt, Bruno, and A. Frohlich, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic bleaching-out layer. 1,850,220; Mar. 22.

Wendt, Bruno, Dessau in Anhalt, and H. Bincer, Dessau-Ziebigk in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 1,880,572; Oct. 4.

Wendt, Bruno, Dessau in Anhalt, and H. Bincer, Dessau-Ziebigk in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Light-sensitive material for the bleaching-out process. 1,880,573; Oct. 4.

Wendt, Herman D., assignor to The Sharples Separator Company, West Chester, Pa. Obtaining the butter fat from sour milk products. 1,861,559; June 7.

Wendt, Wesley E. (See Wells, W. C., and Wendt, assignors.)

Wendt, Wesley E., assignor to Delco-Light Company, Rochester, N. Y. Electrical apparatus. 1,873,168; Aug. 23.

Wendt, Wesley E., assignor to Delco-Light Company, Rochester, N. Y. Electrical apparatus. 1,873,169; Aug. 23.

Wengard, Ben, Waterloo, Iowa. Advertising attachment for spare tires. 1,883,195; Oct. 18.

Wenger, David M., Leola, Pa. Washing machine. 1,887,971; Nov. 15.

Wenger, Frederick R., Los Angeles, Calif. Making a cellular composition. 1,878,047; Sept. 20.

Wenger, Samuel, New York, N. Y. Automatic railroad crossing signal. 1,891,739; Dec. 20.

Wenk, Juan, Madrid, Spain, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Electric thermally responsive controlling mechanism. 1,854,820; Apr. 19.

Wenner, Charles W., et al. (See Wenner, Ira R., assignor.)

Wenner, Ira R., Sycamore, assignor to A. E. Park, Bucyrus, and C. W. Wenner, Sycamore, Ohio. Mail box. 1,891,467; Dec. 20.

Wennerström, Ernst J. T., Bofors, Sweden. Bottom impact fuse for armor-plate piercing shells. 1,850,042; Mar. 15.

Wennerstrom, Karl G., Malmkoping, Sweden. Melting or heating material in an electrical furnace. 1,875,787; Sept. 6.

Wenning, Clarence O., Indianapolis, Ind. Marking machine. 1,860,271; May 24.

Wenrich, Martin L., Altoona, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,870,031; Aug. 2.

Wenrich, Martin L., Altoona, Pa., assignor to The Standard Stoker Company, Incorporated. Force feed stoker. 1,886,771; Nov. 8.

Wensley, Albert G., and W. S. Jackson, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Electrolytic apparatus. 1,857,903; May 10.

Wensley, Roy I., South Orange, and V. K. Zworykin, Haddonfield, N. J., assignors to Westinghouse Electric and Manufacturing Company. Traffic supervisor. Re18,567; Aug. 9.

Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Distribution system. 1,855,735; Apr. 26.

Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Advertising device. 1,872,372; Aug. 16.

Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-breaker-tripping system. 1,873,087; Aug. 23.

Wensley, Roy J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Proportional preset dimmer scheme. 1,862,487; June 7.

Wentorf, Robert H. (See Kircher, R. N., and Wentorf.)

Wentworth, Amaziah F., assignor to Fairmont Canning Company, Fairmont, Minn. Food mixing machine. 1,852,764; Apr. 5.

Wentworth, Jesse S., Norwood, assignor to S-W Hydraulic Laboratories, Hamilton, Ohio. Hydraulic transmission. 1,854,568; June 19.

Wentworth, Philip C., Providence, R. I., and J. H. Avery, Franklin, Mass., assignors to National Ring Traveler Co., Providence, R. I. Traveler. 1,867,738; Sept. 6.

Wentworth, Philip C., Providence, R. I., and J. H. Avery, Franklin, Mass., assignors to National Ring Traveler Co., Providence, R. I. Stroboscopic apparatus. 1,885,022; Oct. 25.

Wentworth, Robert S., Germantown, assignor to Budd Wheel Company, Philadelphia, Pa. Rim and drum cooling means for vehicle wheels. 1,847,319; Mar. 1.

Wentworth, Robert S., assignor to National Radiator Corporation, Johnstown, Pa. Heating convector. 1,888,545; Nov. 22.

Wentz, Jesse F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Entrance die for tanks. 1,871,351; Aug. 9.

Wentzel, Clifford E., assignor to The Bahmann Iron Works Company, Cincinnati, Ohio. Mill housing. 1,844,877; Feb. 9.

Wenzel, Edwin H., and M. P. Janisch, Milwaukee, Wis.; said Janisch assignor to said Wenzel. Heat insulation. 1,888,841; Nov. 22.

Wenzel, Emil, assignor to Ernst Gessner Aktiengesellschaft, Aue, Germany. Conditioning machine for cloths. 1,885,396; Nov. 1.

Wenzel, Max, Neldhardtstahl, Germany. Flow rectifier for paper stock. 1,890,634; Dec. 13.

Wentzel, Wilhelm, Frankfort-on-the-Main, Germany. Direction indicator for motor cars. 1,874,304; Aug. 9.

Wenusch, Adolf, assignor to Österreichische Tabak Regie, Vienna, Austria. Method and apparatus for reducing the percentage of nicotine contained in raw tobaccos in intermediary products and tobacco products ready for use. 1,843,638; Feb. 2.

Wenusch, Adolf, Vienna, Austria, assignor to General-Direktion der Osterr. Tabakregie, Austrian Government Department at Vienna. Reducing the percentage of nicotine contained in raw tobaccos, intermediary products, and tobacco products ready for use. 1,880,356; Oct. 4.

Wenz, Eugene. (See Lewis, E. K., and Wenz.)

Wenz, George W. (See Mackey, Clarence H., and Wenz.)

Wenz, Stanley, and S. Baczynski, assignors of one-half to said Baczynski and one-half to A. Buta, Chicago, Ill. Collapsible rocking chair. 1,842,338; Jan. 19.

Wenzel, Alfred F. (See Heyman, J. K., and Wenzel.)

Wenzel, Charles F. (See Wesseman, H. F., and Wenzel.)

Wenzel, Emil, assignor to Firma Ernst Gessner, Aktiengesellschaft, Aue/Erzgebirge, Germany. Twisting apparatus for ring spinning frames. 1,847,189; Mar. 1.

Wenzel, Karl E., Hamborn, assignor, by mesne assignments, to the Firm Vereinigte Eisenbahn-Signalwerke G. m. b. H., Berlin, Siemensstadt, Germany. Safety constrivances on gunners' seats. 1,867,124; July 12.

Wenzel, Karl E., Hamborn, assignor, by mesne assignments, to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Rail brake. 1,867,534; July 12.

Wenzel, Kurt. (See Pier, M., Hochschwender, and Wenzel.)

Wenzel, Max, Muldenstein, near Bitterfeld, Germany. Roll suction device. 1,842,924; Jan. 26.

Werekmeister, Wilhelm, Berlin, Germany. Lock protector for motor vehicles. 1,843,586; Feb. 2.

Werdehoff, Albert B., Orion, assignor to Chrysler Corporation, Detroit, Mich. Chassis frame construction. 1,867,341; July 12.

Werdehoff, Albert B., Orion, assignor to Chrysler Corporation, Detroit, Mich. Hood lacing. 1,872,539; Aug. 16.

Werdenberg, Heinrich. (See Hug, E., and Werdenberg.)

Werdenberg, Heinrich, Neu-Allschwil, near Basel, assignor to the Firm Durand & Huguenin S. A., Basel, Switzerland. Production of fast dyeings and printings with mordant dyestuffs. 1,848,589; Mar. 8.

Werdenberg, Heinrich, Neu-Allschwil, near Basel, assignor to Firm Durand & Huguenin S. A., Basel, Switzerland. Production of colored discharge effects. 1,864,007; June 21.

Werdenberg, Heinrich, Neu-Allschwil, near Basel, assignor to the firm of Durand & Huguenin S. A., Basel, Switzerland. Production of dyeings and prints on mixed fabrics. 1,856,995; Nov. 8.

Wereleman, Dietrick J., assignor to Dubied Machinery Company, New York, N. Y. Yarn-carrier-controlling means for knitting machines. 1,877,262; Sept. 13.

Werft, Ellis L., Philadelphia, W. Ewald, Audsley, and P. P. Henshall, Philadelphia, assignor to J. J. Nesbitt, Inc., Holmesburg, Pa. Multiple temperature control for heating and ventilating units. 1,858,606; May 17.

Werking, Leroy C. (See Benner, R. C., and Werking.)

Werkspoor N. V. (See Bonath, Richard, assignor.)

Werley, George L. (See Anderson, E. A., and Werley.)

Werlin, Samuel. (See Shivek, Bernard, assignor.)

Wermich, Otto M., Chicago, Ill., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,851,042; Mar. 29.

Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Portable socket. 1,845,638; Feb. 16.

Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric socket. 1,845,639; Feb. 16.

Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric plug connecter. 1,853,196; May 10.

Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric plug connecter. 1,853,197; May 10.

Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Connecter for electric conductors. 1,862,248; June 7.

Wernberg, Niels E., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Safety apparatus for internal combustion engines. 1,851,610; Mar. 29.

Wernberg, Niels E., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Safety device for prime movers. 1,851,611; Mar. 29.

Wernberg, Niels E., Copenhagen, Denmark. Bristle removing machine for hog carcasses. 1,865,492; July 5.

Wernberg, Niels E., Copenhagen, Denmark. Machine for cleaning carcasses of hogs. 1,885,161; Nov. 1.

Werner, Albert, Dresden, assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Cigarette rod machine. 1,885,969; Nov. 1.

Werner, Arthur W. (See Walker, E. L., and Werner.)

Werner, Arthur W., assignor to Kieckhefer Container Company, Milwaukee, Wis. Sheet conveyer. 1,846,776; Feb. 23.

Werner, Arthur W., assignor to Kieckhefer Container Company, Milwaukee, Wis. Sheet handling device. 1,874,675; Aug. 30.

Werner, Arthur W., Milwaukee, and E. L. Walker, Wauwatosa, assignors to Kieckhefer Container Company, Milwaukee, Wis. Printing machine. 1,840,071; Jan. 5.

Werner, Calvin J., Dayton, Ohio, assignor to Delco Products Corporation. Thermostatic cut-out. 1,873,231; Aug. 23.

Werner, Charles. (See Werner, Theodore and C.)

Werner, Donovan R. E. (See Stalhane, O., Werner, and Giertz-Hedström.)

Werner Electric Brake Corporation. (See Whyte, John, assignor.)

Werner, Frank J., Portage Township, Porter County, Ind. Fuel burner nozzle. 1,850,274; Mar. 22.

Werner, Fritz, Aktiengesellschaft. (See Junge, Claus, assignor.)

Werner, Fritz, Aktiengesellschaft. (See Link, Willy, assignor.)

Werner, Fritz, Aktiengesellschaft. (See Wende, Franz, assignor.)

Werner, Herman C., North Evans, assignor to Otis Elevator Company, New York, N. Y. Opening and closing elevator cars and landing gates. 1,876,438; Sept. 6.

Werner, Johannes F., Hartford, Wis. Antivibration device. 1,859,579; Nov. 29.

Werner, John, & Sons, Inc. (See Werner, Theodore and C., assignors.)

Werner, Joseph, Perth Amboy, N. J. Flush box. 1,878,618; Sept. 20.

Werner, Le Roy O., Wheeling, W. Va. Advertising system. 1,885,162; Nov. 1.

Werner, Oscar, Cleveland, Ohio. Headlight. Des. 88,447; Nov. 29.

Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lighting unit. 1,871,240; Aug. 9.

Werner, Oscar, South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Beacon and air current indicator. 1,874,214; Aug. 30.

Werner, Stanley, Milwaukee, Wis. Protecting a bank against robbery. 1,847,320; Mar. 1.

Werner, Theodore and C., assignors to John Werner & Sons, Inc., Rochester, N. Y. Producing candy centers and to candy center making machine employing such method. 1,886,858; Nov. 8.

Werner, Wilbur S., Fort Mitchell, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. Electrical rectifying and stabilizing apparatus. 1,870,937; Aug. 9.

Wernsten, John A., assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Frame support. 1,892,023; Dec. 27.

Werntz, James H. (See Lawson, W. E., and Werntz.)

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic nitrates. 1,846,926; Feb. 23.

Werth, Alfred C., assignor to E. H. Johnson, La Porte, Ind. Doorstop. 1,851,612; Mar. 29.

Werth, Alfred C., Chicago, Ill., assignor to E. H. Johnson, La Porte, Ind. Door holder. 1,854,386; Apr. 19.

Wertman, Charles E., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain riveting machine. 1,884,443; Oct. 25.

Wertz, Chance F., Oak Park, Ill. Concrete form constructions. 1,887,385; Nov. 8.

Wertz, Daniel L., assignor to Eclipse Machine Company, Elmira, N. Y. Generator control. 1,883,428; Oct. 18.

Wertz, Daniel L., assignor to Eclipse Machine Co., Elmira, N. Y. Rebound check for starter pinions. 1,883,429; Oct. 18.

Wertz, La Verne F., Buffalo, N. Y. Aeroplane construction. 1,842,637; Jan. 26.

Wertz, Louis S., Shaker Heights, Ohio. Repairing masonry structures. 1,883,196; Oct. 18.

Wertzberger Derrick Company. (See Dunham, Orson W., assignor.)

Wesbar Corporation, The. (See Davey, Clarence P., assignor.)

Wesche, Hans. (See Marx, K., and Wesche.)

Wescott, Ernest W., Niagara Falls, N. Y., assignor, by mesne assignments, to Stator Refrigeration, Inc., Cooler. 1,845,640; Feb. 16.

Wescott, Rosiery Mills. (See Williams, James C., assignor.)

Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Plastic adhesions. 1,852,728; Apr. 5.

Wescott, William B., Dover, assignor to Rubber Latex Research Corporation, Boston, Mass. Reenforced rubber and making the same. 1,871,572; Aug. 16.

Wescott, William B., Boston, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Coagulation of rubber. 1,879,913; Sept. 20.

Weseman, Elmer E., Plainfield, and C. F. Wenzel, Dunellen, N. J. Signaling device. 1,854,088; Apr. 12.

Weseman, Robert, Spokane, Wash. Saw set. 1,850,987; Mar. 22.

Wesemann, Henry, Castana, Iowa. Casket handle. 1,851,225; Mar. 29.

Wesix National Company. (See Hicks, William W., assignor.)

Wesley, Joseph J., Douglaston, and W. J. Newton, Astoria, N. Y., assignors to Metropolitan Electric Mfg. Co. Cabinet. 1,844,050; Feb. 9.

Wesnigk, Erwin, Berlin, Germany. Electromotor drive. 1,862,245; June 7.

Wesolik, Joseph, St. Louis, Mo. Wrench. 1,875,836; Sept. 6.

Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 87,555; Aug. 9.

Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 87,556; Aug. 9.

Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 87,557; Aug. 9.

Wessblad, Karl A., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation. Refrigerating apparatus. 1,884,939; Oct. 25.

Wessel, Carl, Essen-Borbeck, assignor to the Firm Carl Still, Recklinghausen, Germany. Heating coke ovens. 1,891,700; Dec. 20.

Wessel, Ludwig H., and H. N. Booker, assignors to The Hermann Manufacturing Company, Lancaster, Ohio. Machine for refining paper and pulp. 1,874,676; Aug. 30.

Wessel, Ludwig H., and O. E. Larson, assignors to The Hermann Manufacturing Company, Lancaster, Ohio. Machine for refining paper and pulp. 1,854,356; Apr. 19.

Wessler, William J. (See Ballgher, Lee O., assignor.)

Wessels, Herman, Louisville, Ky. Damper control. 1,884,987; Oct. 25.

Wessman, Aunt W., Chicago, Ill., assignor to International Harvester Company. Grain measuring device. 1,878,922; Sept. 20.

Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Capping machine. 1,850,486; Mar. 22.

Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing, filling, and capping machine. 1,850,522; Mar. 22.

Wessman, Edwin G., Easton, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device. 1,878,354; Sept. 20.

Wesson, Douglas B., Longmeadow, assignor to Smith and Wesson, Inc., Springfield, Mass. Revolver. 1,848,682; Mar. 8.

Wesson, Harold, assignor to Smith and Wesson, Inc., Springfield, Mass. Siphon-break for flush valves, etc. 1,862,731 ; June 14.
Wesson, Harold, and E. S. Pomeroy, assignors to Peerless Handcuff Company, Springfield, Mass. Police officer's shackle. 1,872,857 ; Aug. 23.
West, Allen, Brighton, England. Oil immersed switch. 1,845,663 ; Feb. 16.
West, Arthur, et al. (See Nill, Edward A., assignor.)
West, Arthur G. D. (See Round, H. J., and West.)
West Bend Aluminum Company. (See Finch, Arnold R., assignor.)
West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
West Bend Aluminum Company. (See Kircher, R. N., and Wentorf, assignors.)
West Ignition Manufacturing Company. (See Farrell, J. E., and Gaskill, assignors.)
West, Carl E., Watertown, Wis. Brake testing device. 1,837,772 ; May 10.
West, Charles P., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Converter polarizing system. Re18,391 ; Mar. 22.
West, Charles P., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line protective system. 1,844,444 ; Oct. 25.
West Disinfecting Company. (See Morin, Louis H., assignor.)
West, Donald H., Marlboro, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Broach. 1,849,392 ; Mar. 15.
West, Ernest. (See West, Frederick J. and E.)
West, Ernest, assignor to West's Gas Improvement Company, Limited, Manchester, England. Coke extractor for vertical carbonization retorts. 1,891,129 ; Dec. 13.
West, Frank L., and L. A. Martin, Bradenton, Fla. Cigarette package opener. 1,859,120 ; May 17.
West, Frank R., assignor to Rice Products Inc., Detroit, Mich. Method and apparatus for cooling drinking water. 1,856,982 ; May 3.
West, Frank R., Highland Park, Mich., assignor to Copeland Products, Inc. Refrigerating mechanism. 1,881,006 ; Oct. 4.
West, Frederick B., K. J. Pidcock, and E. Donkin, Kyogle, Australia. Vacuum responsive device. 1,866,068 ; July 5.
West, Frederick J. and E., Miles Platting, Manchester, assignors to West's Gas Improvement Company, Limited, Manchester, England. Gas producer. 1,839,740 ; Jan. 5.
West, Granville H., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,859,029 ; May 17.
West, Harry R., Pittsfield, Mass., assignor to General Electric Company. Variable voltage transformer. 1,860,125 ; May 24.
West, Herbert J. (See Daniels, L. C., and West.)
West, Herbert J. (See Jaeger, A. O., and West.)
West, Herbert J. (See Jaeger, A. O., Daniels, West, and Stenson.)
West, Herbert J., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of vat dyes and intermediates. 1,845,378 ; Feb. 16.
West, Herbert N. (See Fernseding, G., and West.)
West, Homer B. (See Snyder, F. L., and West.)
West, Howard M. (See Blair, H. D., and West.)
West, Jolly W., deceased ; K. H. West executrix. Albany, Calif. Axle gauge. 1,883,197 ; Oct. 18.
West, Katherine H., executrix. (See West, John W.)
West, Kline B. (See McIlwried, H. D., and West.)
West, Lawrence B., Chattanooga, Tenn. Adjustment for driers. 1,854,570 ; Apr. 19.
West, Lawrence B., Chattanooga, Tenn. Thermocouple pocket. 1,869,780 ; Aug. 2.
West, Lawrence B., and M. P. Wall, assignors, by direct and mesne assignments, to The Simplicity System Company, Chattanooga, Tenn. Process and apparatus for drying material. 1,871,934 ; Aug. 16.
West, Mason D. (See Dean, Benjamin F., assignor.)
West, Maurice B., Lima, and H. C. Mailhohn, assignor to The Simplex Radio Company, Sandusky, Ohio. Unitary control for condensers. 1,868,553 ; July 26.
West Michigan Furniture Company. (See Van De Riet, George, assignor.)
West, Robert N., Maplewood, N. J. Machine for pressing fabrics. 1,868,184 ; July 19.
West, Ruth, New York, N. Y. Educational block. 1,864,703 ; June 28.
West, Thomas S., Drumright, Okla. Process of and apparatus for locating mineral deposits in subsurface earth strata. 1,845,379 ; Feb. 16.
West, Toy N. F., Churdan, Iowa. Hair waving device. 1,859,874 ; Apr. 19.
West Virginia Armature Co. (See Phelps, Arthur F., assignor.)
West, Walter J., assignor to Lucian Tube Corporation, Cleveland, Ohio. Vacuum device. 1,877,708 ; Sept. 13.
Westberg, Andrew, Portland, Oreg., assignors to Louis Marx & Company, New York, N. Y. Toy. 1,846,823 ; Feb. 23.
Westberg, Carl R., Hinsdale, Ill., assignor to International Harvester Company. Forming mower guards. 1,868,511 ; July 26.
Westbrook, Earl, and G. E. Evans, near Waco, Tex.; said Evans assignor, by mesne assignments, to H. E. Nehin, Buffalo, N. Y. Attachment for motor vehicle wheels. 1,854,636 ; Apr. 19.
Westbrook, John A., Powder Springs, Ga. Demountable two piece automobile rims. 1,880,613 ; Oct. 4.
Westburg, Joel, Onamia, Minn. Can holder. 1,885,788 ; Nov. 1.
Westco-Chippewa Pump Company. (See Claypool, Wallace L., assignor.)
Westco Pump Corporation. (See Ferguson, Gale L., assignor.)
Westcott, Clyde M., Los Angeles, Calif. Seeder. 1,882,732 ; June 14.
Westcott, Ellsworth J. (See Eaton, W., and Westcott.)
Westcott, Ellsworth J. (See Mehler, L. A., and Westcott.)
Westcott, George L., assignor to "Cabin Crafts", Dalton, Ga. Tufting machine. 1,892,592 ; Dec. 27.
Westcott, Nathan, Providence, R. I., assignor to International Braid Company. Display device. 1,853,790 ; Apr. 12.
Westcott, Orville M., Charleston, S. C. Puzzle. 1,871,206 ; Aug. 9.
Westcott, Philip S., assignor to The Fyle-National Company, Chicago, Ill. Electrical distribution regulating system for railway cars. 1,883,198 ; Oct. 18.
Westcott, William. (See Thoman, C. J., and Westcott.)
Wester, Daniel V., Stockholm, Sweden. Device for applying sealing wax. 1,888,403 ; Nov. 22.
Westerheim, Sam, Sioux Falls, S. Dak. Weather strip. 1,894,196 ; Feb. 9.
Westerman, George F., Ansonia, assignor to The American Brass Company, Waterbury, Conn. Extruded shapes with interlocked joints and method of making. 1,891,740 ; Dec. 20.
Western Blower Company. (See Dudley, W. L., and Kaup, assignors.)
Western Cartridge Company. (See Clyne, Robert G., assignor.)
Western Cartridge Company. (See Dickerman, John A., assignor.)
Western Cartridge Company. (See Olin, F. W., and Clyne, assignors.)
Western Cartridge Company. (See Olin, J. M., and Schuricht, assignors.)
Western Cartridge Company. (See O'Neil, A. S., and Schurichl, assignors.)
Western Cartridge Company. (See Schuricht, A. G., and Wright, assignors.)
Western Cartridge Company. (See Wagner, William E., assignor.)
Western Clock Company. (See Dreyfuss, Henry, assignor.)
Western Clock Company. (See Eddison, William B., assignor.)
Western Clock Company. (See Greenleaf, William H., assignor.)
Western Clock Company. (See Matthiessen, Ralph H., assignor.)
Western Clock Company. (See Neureuther, Andrew H., assignor.)
Western Clock Company. (See Schlenker, Max, assignor.)
Western Clock Company. (See Sewrey, U. R., and Moffett, assignors.)
Western Company. (See Beal, C. H., and Miller, assignors.)
Western Concrete Pipe Company. (See Steuer, O. A., and Carr, assignors.)
Western Electric Company. (See Alden, John L., assignor.)
Western Electric Company. (See Anderson, Sidney E., assignor.)
Western Electric Company. (See Andrews, J. W., and Gillis, assignors.)
Western Electric Company. (See Arkema, H. P., and Trebs, assignors.)
Western Electric Company. (See Babbitt, Bethel J., assignor.)
Western Electric Company. (See Barker, Virgil D., assignor.)
Western Electric Company. (See Beath, C. P., and Heinicke, assignors.)
Western Electric Company. (See Bennett, Floyd W., assignor.)
Western Electric Company. (See Bidwell, Edgar M.)
Western Electric Company. (See Bishop, John S., assignor.)
Western Electric Company. (See Black, Harold S., assignor.)
Western Electric Company. (See Blood, H. L., and Olson, assignors.)
Western Electric Company. (See Blount, Harry, assignor.)
Western Electric Company. (See Bouget, Y. A., and Reichelt, assignors.)
Western Electric Company. (See Brown, Laurel H., assignor.)
Western Electric Company. (See Bureau, A. A., and Burk, assignors.)
Western Electric Company. (See Boynton, John E., assignor.)
Western Electric Company. (See Boynton, Stanley E., assignor.)

Western Electric Company. (See Burton, Everett T., assignor.)
Western Electric Company. (See Carpenter, Warren W., assignor.)
Western Electric Company. (See Carter, Herbert F., assignor.)
Western Electric Company. (See Cary, Malcolm C., assignor.)
Western Electric Company. (See Casper, William L., assignor.)
Western Electric Company. (See Cherry, G. L., and Lamplough, assignors.)
Western Electric Company. (See Cherry, G. L., and Troche, assignors.)
Western Electric Company. (See Clement, Lewis M., assignor.)
Western Electric Company. (See Collard, John, assignor.)
Western Electric Company. (See Coram, Roy E., assignor.)
Western Electric Company. (See Curtiss, Nathan A., assignor.)
Western Electric Company. (See Dean Reginald S., assignor.)
Western Electric Company. (See de Coutouly, Gustave C., assignor.)
Western Electric Company. (See de Turk, Jeremiah A., assignor.)
Western Electric Company. (See De Turk, J. A., and Hixson, assignor.)
Western Electric Company. (See de Vriendt, Charles, assignor.)
Western Electric Company. (See Dreyer, Charles F., assignor.)
Western Electric Company. (See Duclos, Aeneas J. N., assignor.)
Western Electric Company. (See Eastlake, William H., assignor.)
Western Electric Company. (See Elmen, Gustaf W., assignor.)
Western Electric Company. (See Evans, Porter H., assignor.)
Western Electric Company. (See Ferrell, Myron P., assignor.)
Western Electric Company. (See Foley, Edward J., assignor.)
Western Electric Company. (See Ford, Ben K., assignor.)
Western Electric Company. (See Ford, Leroy S., assignor.)
Western Electric Company. (See Franks, Clem H., assignor.)
Western Electric Company. (See Friis, Harold T., assignor.)
Western Electric Company. (See Friis, H. T., and Jensen, assignors.)
Western Electric Company. (See Gaetje, J. H., and Santschi, assignors.)
Western Electric Company. (See Gilbert, John J., assignor.)
Western Electric Company. (See Gillis, Randall, assignor.)
Western Electric Company. (See Gillis, R., and Morison, assignors.)
Western Electric Company. (See Gosmann, Enart, assignor.)
Western Electric Company. (See Griffin, James T., assignor.)
Western Electric Company. (See Grondahl, Hans H. C., assignor.)
Western Electric Company. (See Gros, Gustave A., assignor.)
Western Electric Company. (See Gustafsson, Hans G., assignor.)
Western Electric Company. (See Hach, Clarence A., assignor.)
Western Electric Company. (See Hach, C. A., and Hoag.)
Western Electric Company. (See Hach, C. A., and Sanborn, assignors.)
Western Electric Company. (See Haegele, O. P., and Paulson, assignors.)
Western Electric Company. (See Haigh, L. B., and Borzer, assignors.)
Western Electric Company. (See Hallam, Cecil A., assignor.)
Western Electric Company. (See Hallam, C. A., and Palmer, assignors.)
Western Electric Company. (See Harrison, Henry C., assignor.)
Western Electric Company. (See Hartley, George C., assignor.)
Western Electric Company. (See Hartley, G. C., and Wright, assignors.)
Western Electric Company. (See Hatton, W., and Sano, assignors.)
Western Electric Company. (See Hatton, W., Spann, Rousseau, and Larsen, assignors.)
Western Electric Company. (See Hayford, W. S., and Moore, assignors.)
Western Electric Company. (See Heinicke, Herbert M. E., assignor.)
Western Electric Company. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Hellner, Pontus H., assignor.)
Western Electric Company. (See Hobrock, Raymond H., assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Ives, Herbert E., assignor.)
Western Electric Company. (See Janicki, John, assignor.)
Western Electric Company. (See Jensen, Axel G., assignor.)
Western Electric Company. (See Jespersen, Helgo W., assignor.)
Western Electric Company. (See Johnson, Earl V., assignor.)
Western Electric Company. (See Johnstone, Harold G., assignor.)
Western Electric Company. (See Jongedyk, Ralph, assignor.)
Western Electric Company. (See Kaempf, Emil, assignor.)
Western Electric Company. (See Keller, Arthur C., assignor.)
Western Electric Company. (See Kelly, Mervin J., assignor.)
Western Electric Company. (See Kelsay, Le Roy W., assignor.)
Western Electric Company. (See Kivley, Ray C., assignor.)
Western Electric Company. (See Koll, Henry M., assignor.)
Western Electric Company. (See Kuriyama, Zensuke, assignor.)
Western Electric Company. (See Larsen, Elmer J., assignor.)
Western Electric Company. (See Larsen, Henry M., assignor.)
Western Electric Company. (See Larsen, Leonard O., assignor.)
Western Electric Company. (See Larson, H. W., and Patchen, assignors.)
Western Electric Company. (See Latimer, Kenneth E., assignor.)
Western Electric Company. (See Liss, August S., assignor.)
Western Electric Company. (See Macintyre, Mackenzie, assignor.)
Western Electric Company. (See Malm, Frank S., assignor.)
Western Electric Company. (See Manning, Arthur L., assignor.)
Western Electric Company. (See Marrison, Warren A., assignor.)
Western Electric Company. (See Martin, Frank D., assignor.)
Western Electric Company. (See Mason, Sumner R., assignor.)
Western Electric Company. (See McCann, Paul S., assignor.)
Western Electric Company. (See McCann, P. S., and Spousta, assignors.)
Western Electric Company. (See McDonough, J., and Rock, assignors.)
Western Electric Company. (See McFarland, Robert E., assignor.)
Western Electric Company. (See McGuire, Lee R., assignor.)
Western Electric Company. (See McWilliams, William W., assignor.)
Western Electric Company. (See Miller, Reginald J., assignor.)
Western Electric Company. (See Milne, George D., assignor.)
Western Electric Company. (See Moeller, Lowell J., assignor.)
Western Electric Company. (See Neighbors, Charles C., assignor.)
Western Electric Company. (See Nelson, Charles E., assignor.)
Western Electric Company. (See Nelson, Ira S., assignor.)
Western Electric Company. (See Normann, Lars, assignor.)
Western Electric Company. (See Oswald, Arthur A., assignor.)
Western Electric Company. (See Paulson, Christian, assignor.)
Western Electric Company. (See Pearson, Albert, assignor.)
Western Electric Company. (See Pfeiffer, Conrad L., assignor.)
Western Electric Company. (See Polinkowsky, L., and Penn, assignors.)
Western Electric Company. (See Potts, Louis M., assignor.)
Western Electric Company. (See Powell, Raymond E., assignor.)
Western Electric Company. (See Pugh, Emerson, assignor.)
Western Electric Company. (See Purdy, C. A., and Stockfleth, assignors.)
Western Electric Company. (See Raymond, Gussie F., assignor.)
Western Electric Company. (See Rättig, Gerhard, assignor.)

Western Electric Company. (See Reichelt, Lester O., assignor.)
Western Electric Company. (See Rendall, A. R. A., and Sandeman, assignors.)
Western Electric Company. (See Rice, Edgar U., assignor.)
Western Electric Company. (See Ricker, Norman H., assignor.)
Western Electric Company. (See Rinker, J. C., assignor.)
Western Electric Company. (See Robbins, Charles W., assignor.)
Western Electric Company. (See Robson, Duer C., assignor.)
Western Electric Company. (See Rock, Darrell D., assignor.)
Western Electric Company. (See Rock, George L., assignor.)
Western Electric Company. (See Rosander, A. P., and Tikalsky, assignors.)
Western Electric Company. (See Sandeman, Edward K., assignor.)
Western Electric Company. (See Schelleng, John C., assignor.)
Western Electric Company. (See Schreiber, L. J. J., Chevigny, and Lens, assignors.)
Western Electric Company. (See Schroeder, William, assignor.)
Western Electric Company. (See Schwartzmann, Harry, assignor.)
Western Electric Company. (See Scott, James W., assignor.)
Western Electric Company. (See Scott, Kenneth L., assignor.)
Western Electric Company. (See Scott, K. L., Kirby, and Leach, assignors.)
Western Electric Company. (See Scott, Walter J., assignor.)
Western Electric Company. (See Scrantom, De Hart G., assignor.)
Western Electric Company. (See Seeley, George A., assignor.)
Western Electric Company. (See Shaw, Leon I., assignor.)
Western Electric Company. (See Shaw, L. I., and Johnson, assignors.)
Western Electric Company. (See Shaw, L. I., and Scott, assignor.)
Western Electric Company. (See Shea, John R., assignor.)
Western Electric Company. (See Shee, Parke L., assignor.)
Western Electric Company. (See Sheel, Harold, assignor.)
Western Electric Company. (See Shewmon, D. D., and Schroeder, assignors.)
Western Electric Company. (See Siebs, C. T., and McGuire, assignors.)
Western Electric Company. (See Sivian, Leon J., assignor.)
Western Electric Company. (See Skillman, Thomas S., assignor.)
Western Electric Company. (See Skillman, T. S., and Freeth, assignors.)
Western Electric Company. (See Skriba, Rudolph A., assignor.)
Western Electric Company. (See Sorensen, Earl H., assignor.)
Western Electric Company. (See Stevenson, George H., assignor.)
Western Electric Company. (See Stoller, Hugh M., assignor.)
Western Electric Company. (See Strong, Charles E., assignor.)
Western Electric Company. (See Stull, John S., assignor.)
Western Electric Company. (See Stull, J. S., and King, assignors.)
Western Electric Company. (See Thurston, George M., assignor.)
Western Electric Company. (See Tomlinson, Malcolm C. W., assignor.)
Western Electric Company. (See Tompkins, William J., assignor.)
Western Electric Company. (See Troche, Ernest R., assignor.)
Western Electric Company. (See Turner, Maurice C., assignor.)
Western Electric Company. (See Wales, Charles, assignor.)
Western Electric Company. (See Waller, Lee R., assignor.)
Western Electric Company. (See Walter, Ralph C., assignor.)
Western Electric Company. (See Ward, Henry L., assignor.)
Western Electric Company. (See Warner, Lester C., assignor.)
Western Electric Company. (See Waters, Daniel V., assignor.)
Western Electric Company. (See Watson, Kenneth M., assignor.)
Western Electric Company. (See Weaver, Leo L., assignor.)
Western Electric Company. (See Welhaven, Edward, assignor.)
Western Electric Company. (See Whiting, Donald F., assignor.)
Western Electric Company. (See Wirth, Gustav, assignor.)
Western Electric Company. (See Wood, Lloyd E., assignor.)
Western Electric Company. (See Wright, Esmond P. G., assignor.)
Western Electric Company. (See Yonkers, Edward H., assignor.)
Western Electric Company. (See Zimmerman, Leon C., assignor.)
Western Electric Company, Incorporated. (See Capek, A., and Van den Broecke, assignors.)
Western Electric Company, Incorporated. (See Hartsough, Ralph C., assignor.)
Western Electric Company, Incorporated. (See Stoller, Hugh M., assignor.)
Western Electric Company, Incorporated. (See Weston, William K., assignor.)
Western Electric Company, Incorporated. (See Williams, Robert R., assignor.)
Western Electric Instrument Corporation. (See Goodwin, William N., Jr.)
Western Electric Piano Company. (See Larson, A. F., and Anderson, assignors.)
Western Foundation Company. (See Sherwood, Glenn L., assignor.)
Western Gas Construction Company. (See Barr, Walter A., assignor.)
Western Gas Construction Company, The. (See Morton, Lowndes D., assignor.)
Western Gas Construction Company, The. (See Spicknall, Thomas F., assignor.)
Western Metal Specialty Company. (See Goetz, Julius J., assignor.)
Western Newell Manufacturing Company. (See Maves, Stanley E., assignor.)
Western Pine Mfg. Co. (See Hudson, Clough D., as signor.)
Western Railway Equipment Company. (See Campbell, Sterling H., assignor.)
Western Railway Equipment Company. (See Hoerr, Louis A. and W. N., assignors.)
Western Reserve Air Motors Corporation. (See Schlenker, Charles E., assignor.)
Western Road Machinery Company. (See Kropp, Edward L., assignor.)
Western Specialty Company. (See Delzer, William F., assignor.)
Western Stamping & Manufacturing Company. (See Preus, Paul A., assignor.)
Western Stamping & Manufacturing Company. (See Willwerscheid, Theodor, assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Western Supplies Company. (See Altvater, Arthur W., assignor.)
Western Tablet & Stationery Corporation. (See Vincent, John H., assignor.)
Western Union Telegraph Company, The. (See Angel, H., and Robinson, assignors.)
Western Union Telegraph Company, The. (See Beardsley, B., and Chadbourne, assignors.)
Western Union Telegraph Company, The. (See Blanton, William B., assignor.)
Western Union Telegraph Company, The. (See Breyfogel, Albert W., assignor.)
Western Union Telegraph Company, The. (See Case, Harlow M., assignor.)
Western Union Telegraph Company, The. (See Copenhaver, P. S., Demonet, and Callahan, assignors.)
Western Union Telegraph Company, The. (See Dirkes, Robert F., assignor.)
Western Union Telegraph Company, The. (See Dirkes, R. F., and Anderson, assignors.)
Western Union Telegraph Company, The. (See Duerr, K. B., and Broyles, assignors.)
Western Union Telegraph Company, The. (See Fluharty, W. G., and Noxon, assignors.)
Western Union Telegraph Company, The. (See Franklin, Laurence W., assignor.)
Western Union Telegraph Company, The. (See Frost, Albert E., assignor.)
Western Union Telegraph Company, The. (See Haglund, Hakon H., assignor.)
Western Union Telegraph Company. (See Hoover, R., and Haupt, assignors.)
Western Union Telegraph Company, The. (See Hoover, R., and Wheeler, assignors.)
Western Union Telegraph Company, The. (See Hynemann, John R., assignor.)
Western Union Telegraph Company, The. (See Johnson, G. W., and Callahan, assignors.)
Western Union Telegraph Company, The. (See Light, George G., assignor.)
Western Union Telegraph Company, The. (See Long, J. W., and Wheeler, assignors.)
Western Union Telegraph Company, The. (See Longland, Herbert A., assignor.)
Western Union Telegraph Company, The. (See Mample, A. Z., and Robert, assignors.)
Western Union Telegraph Company, The. (See Milnor, J. W., Demonet, and Brandhall, assignors.)
Western Union Telegraph Company, The. (See Morgenstern, Ronald V., assignor.)

Western Union Telegraph Company, The. (See Myer, Percy L., assignor.)
Western Union Telegraph Company, The. (See Nelson, Crescent F., assignor.)
Western Union Telegraph Company, The. (See Porter, J. F., and Marx, assignors.)
Western Union Telegraph Company, The. (See Rothermel, Samuel W., assignor.)
Western Union Telegraph Company, The. (See Rudd, M. A., and Mample, assignors.)
Western Union Telegraph Company, The. (See Teter, Paul E., assignor.)
Western Union Telegraph Company, The. (See Wise, Raleigh J., assignor.)
Western Wheeled Scraper Company. (See Cooper, Jesse E., assignor.)
Western Wheeled Scraper Company. (See Benbow, J. D., and Green, assignors.)
Western Wire & Iron Works, Inc. (See Martinek, Michael, assignor.)
Western Wire Products Company. (See Young, Harry M., assignor.)
Westfall, Thomas, et al. (See Micheli, Ulissi A., assignor.)
Westgate, Oscar L. (See Booth, H. N., and Westgate.)
Westin, Charles J. (See Stokes, F. J., and Westin.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Collapsible tube having folded end. 1,852,225; Apr. 5.
Westinghouse Air Brake Company, The. (See Beck, Carl H., assignor.)
Westinghouse Air Brake Company. (See Brown, Donald P., assignor.)
Westinghouse Air Brake Company, The. (See Bush, Rankin J., assignor.)
Westinghouse Air Brake Company, The. (See Chevillot, A., and Daux, assignors.)
Westinghouse Air Brake Company, The. (See Cook, Earle S., assignor.)
Westinghouse Air Brake Company, The. (See Craig, John F., assignor.)
Westinghouse Air Brake Company, The. (See Dapron, Joseph M., assignor.)
Westinghouse Air Brake Company, The. (See Dean, William E., assignor.)
Westinghouse Air Brake Company, The. (See Donovan, Patrick H., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See England, Alexander, assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)
Westinghouse Air Brake Company, The. (See Farmer, C. C., and McCune, assignors.)
Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See Hancock, Milton L., assignor.)
Westinghouse Air Brake Company, The. (See Hayes, Nora F., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Hukill, Henry D., assignor.)
Westinghouse Air Brake Company, The. (See Hume, John, assignor.)
Westinghouse Air Brake Company. (See Johnson, S., jr., Morrison, and Leukhardt, assignors.)
Westinghouse Air Brake Company, The. (See Livingston, Fraser P., assignor.)
Westinghouse Air Brake Company, The. (See Loiseau, Raoul T., assignor.)
Westinghouse Air Brake Company, The. (See Lynn, Ewing H., assignor.)
Westinghouse Air Brake Company, The. (See Mathieson, Andrew C., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Wright, assignors.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Johnson, assignors.)
Westinghouse Air Brake Company, The. (See Meier, William F., assignor.)
Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton, assignor.)
Westinghouse Air Brake Company, The. (See Tarislen, Theophile, assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Air Brake Company. (See Thomas, T. H., and Good, assignors.)
Westinghouse Air Brake Company, The. (See Thomas, T. H., and Whitaker, assignors.)
Westinghouse Air Brake Company, The. (See Thompson, Benjamin H., assignor.)
Westinghouse Air Brake Company, The. (See Whitaker, Uncas A., assignor.)
Westinghouse Air Brake Company, The. (See Williams, Samuel L., assignor.)
Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
Westinghouse Air Brake Company. (See Winter, Harry J., assignor.)
Westinghouse Electric Air Brake Company. (See Farmer, Clyde C., assignor.)
Westinghouse Electric Elevator Company. (See Baldwin, Edward N., assignor.)
Westinghouse Electric Elevator Company. (See Baumgartner, Fred, assignor.)
Westinghouse Electric Elevator Company. (See Blair, Arthur G., assignor.)
Westinghouse Electric Elevator Company. (See Bouton, Edgar M., assignor.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric Elevator Company. (See Hughes, D. W., and Ellis, assignors.)
Westinghouse Electric Elevator Company. (See Kinnard, Luther J., assignor.)
Westinghouse Electric Elevator Company. (See McCormick, Harold V., assignor.)
Westinghouse Electric Elevator Company. (See White, K. M., and Hearn, assignors.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, C., and MacNeil, assignors.)
Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Anderson, William B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, Ralph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aronoff, Samuel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Atherton, Alfred L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Auren, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Bascum O., assignor.)
Westinghouse Electric and Manufacturing Company. (See Austin, B. O., and Way, assignors.)
Westinghouse Electric and Manufacturing Company. (See Baker, Benjamin P., and Dickinson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bakken, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnhold, Harold A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barrow, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barthelt, Hans, assignor.)
Westinghouse Electric and Manufacturing Company. (See Baston, C. E., and Jones, assignors.)
Westinghouse Electric & Manufacturing Company. (See Batsel, Max C., assignor.)
Westinghouse Electric & Mfg. Company. (See Baudry, Rene A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Baudry, R. A. M., and Fechheimer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric and Manufacturing Company. (See Baumann, K., and Jolley, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baxter, H. G., and Shannahouse, assignors.)
Westinghouse Electric & Manufacturing Company. (See Beckman, Eric W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Benson, Lee H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bergvall, Royal C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Berkeley, Byron H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Berthold, Rudolf G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bletz, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Blevins, Leonard C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bock, Ashley P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bonnce, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bouton, E. M., and Eames, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, W. M., and Rutter, assignors.)

Westinghouse Electric & Manufacturing Company. (See Breisky, John V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Breisky, J. V., and Draper, assignors.)
Westinghouse Electric & Manufacturing Company. (See Breisky, J. V., and Erickson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brindley, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Arthur L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Freeman L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Brown, Ivon M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Myron J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bruce, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brunner, Clarence H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bryant, Ozro N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Burr, Gordon A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Callsen, Albert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Campbell, Clarence B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Candy, Albert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clarke, Arthur A., and Kelly, assignors.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, George D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Karl K., assignor.)
Westinghouse Electric & Manufacturing Company, The. (See Clarke, John A., jr.)
Westinghouse Electric & Manufacturing Company. (See Clayton, Edward M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Cody, Irwin, Davis, and Mossbart, assignors.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cole, G. H., and High.)
Westinghouse Electric & Manufacturing Company. (See Cole, Hugh L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Cole, H. L., Dann, and Brown, assignors.)
Westinghouse Electric & Manufacturing Company. (See Cole, H. L., and Wagner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Joel R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Wilfrid G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Corbett, Alfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cowin, Stuart H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crago, Alan C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crichton, Leslie N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Curtis, Richard C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Curtis, Richard C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Curtis, R. C., and Boddie, assignors.)
Westinghouse Electric and Manufacturing Company. (See Davies, Paul R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Davis, N. R., and Wood, assignors.)
Westinghouse Electric & Manufacturing Company. (See Davis, Robert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See De Prosse, Gerometa, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dohner, Donald R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dougherty, Samuel M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eames, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ebenfeld, Ralph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ebserly, Robert S., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ellingson, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ellis, Delbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ellis, Owen W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Else, H. D., and Libby, assignors.)
Westinghouse Electric & Manufacturing Company. (See Elsey, Howard M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Elsey, H. M., and Krogh, assignors.)
Westinghouse Electric & Manufacturing Company. (See Elsey, H. M., and Philpott, assignors.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Estorff, W., and Heinemeyer, assignors.)
Westinghouse Electric and Manufacturing Company. (See Evans, R. D., Wagner, and Griscom, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ferguson, Alexander D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Field, Russell M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Flanders, War en B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fleming, Theodore B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Forbes, Henry C., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Foreman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frame, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frank, Leo C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Frank, L. C., and Kelly, assignors.)
Westinghouse Electric & Manufacturing Company. (See Freeman, H. M., and Sutherlin, assignors.)
Westinghouse Electric & Manufacturing Company. (See Freeman, H. M., and Wade, assignors.)
Westinghouse Electric & Manufacturing Company. (See Frey, Albert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frey, A. A., and Cole, assignors.)
Westinghouse Electric & Manufacturing Company. (See Friedländer, Erich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fryselee, Frank F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gallahan, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gano, Harlan S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gast, Herbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Geiselman, Ralph A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gerllen, Hans, assignor.)
Westinghouse Electric and Manufacturing Company. (See Gibbs, J. B., and Wiggins, assignors.)
Westinghouse Electric & Manufacturing Company. (See Goddard, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goff, James T., assignor.)
Westinghouse Electric & Manufacturing Company, The. (See Goldsborough, Shirley L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goldsborough, Thaddeus R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gras, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Grebisch, Emil H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Griscom, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Gutmann, V., and Steiner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Halliwell, George P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hansell, John B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanzlik, Henry J., and Kelly.)
Westinghouse Electric & Manufacturing Company. (See Harness, L. R., and Bokovoy, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harvey, James H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haversfiek, Earl J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Heinrich, Richa d, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hengstenberg, Paul M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)

Westinghouse Electric & Manufacturing Company. (See Higbee, Ray F., assignor.)
Westinghouse Electric & Manufacturing Company. (See High, Jurjen S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hill, Leland H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hitchcock, Richard C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hitner, John A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hoard, Bert V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkins, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)
Westinghouse Electric and Manufacturing Company. (See Hodnette, J. K., and Bellaschi, assignors.)
Westinghouse Electric & Manufacturing Company. (See Iams, Harley A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Iams, H., and Wilkins, assignors.)
Westinghouse Electric & Manufacturing Company. (See Inman, Donovan E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jackson, Ray P., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry L., assignor.)
Westinghouse Electric and Manufacturing Company. (See James, H. D., and Williams, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jenks, Harold C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johansson, Anders, assignor.)
Westinghouse Electric & Manufacturing Company. (See Johns, Francis J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Johnson, E. M., and Peterson, assignors.)
Westinghouse Electric and Manufacturing Company. (See Johnson, W. V., and Feldmann, assignors.)
Westinghouse Electric and Manufacturing Company. (See Jones, C. G., and Smith, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jones, Vivian B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jordan, Richard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jungk, Herbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kahler, Herbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kalischer, Milton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kees, Ernest G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kehoe, Arthur H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kehoe, A. H., and McCullough, assignors.)
Westinghouse Electric & Manufacturing Company, et al. (See Keim, Lester H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kempton, Willard M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kerrigan, John, assignor.)
Westinghouse Electric and Manufacturing Company. (See Kerrigan, J., and Both, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kimmell, William J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kinnard, L. J., and Bouton, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kintner, Samuel M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kirkpatrick, Thomas P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowlton, Dow, assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kreutz, Robert B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kraut, S. B., and Margerum, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kropff, Ludwig, assignor.)
Westinghouse Electric & Manufacturing Company. (See La Mar, Bert G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Laffoon, Carthrae M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lamb, Carl H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Landenberger, William H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lang, George W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lavallee, Joseph A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lewis, Frank E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, William A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenger, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Libby, Clarence R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lidiak, Joseph P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Llewellyn, Fredrick, assignor.)
Westinghouse Electric & Manufacturing Company. (See Long, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lotz, Albert, assignor.)
Westinghouse Electric and Manufacturing Company. (See Ludwig, L. R., and Slepian, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See MacNeill, John B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mahaney, R., and Engelhu, assignors.)
Westinghouse Electric and Manufacturing Company. (See Mains, Gerald H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mallory, Edward B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mansbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marsteller, Lester O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Masek, James C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Mason, Rurie C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Matthews, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mattingly, Harold W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Mattingly, H. W., and Hines, assignors.)
Westinghouse Electric & Manufacturing Company. (See May, Darwin R., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCafferty, Robert B., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCarty, Roy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, T. C., and Scarborough, assignors.)
Westinghouse Electric & Manufacturing Company. (See McGee, J. E., and Baker, assignors.)
Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
Westinghouse Electric and Manufacturing Company. (See Mercereau, J. T., and Scarborough, assignors.)
Westinghouse Electric & Manufacturing Company. (See Merten, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Meyer, Frank A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Milton, Reginald B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, Ernest F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, Frederic H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, F. H., and Barrow, assignors.)
Westinghouse Electric & Manufacturing Company. (See Morgan, David W., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Moss, Charles M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, Ilia E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nichols, Henry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nycum, Homer C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Nycum, H. C., and Ashbaugh, assignors.)
Westinghouse Electric & Manufacturing Company. (See Oertel, Franz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Oldenburg, Alfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Olendorff, F., and Prendiller, assignors.)
Westinghouse Electric and Manufacturing Company. (See Oplinger, K. A., and Osvon, assignors.)
Westinghouse Electric & Manufacturing Company. (See Panzerbieter, T., and Nagel, assignors.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Paschen, P., and Mohr, assignors.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)

Westinghouse Electric and Manufacturing Company. (See Peters, H., and Fenton, assignors.)
Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peterson, Rudolph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pierce, Raymond T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pilling, Norman B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pilling, N. B., and Bedworth, assignors.)
Westinghouse Electric & Manufacturing Company. (See Pohlhausen, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ponsonby, Amos A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pontow, Werner, assignor.)
Westinghouse Electric & Manufacturing Company. (See Potter, John A.)
Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rashevsky, Nicolas, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reed, Frederick J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reime, A., and Friedländer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Richardz, Folke R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Richter, Hans, assignor.)
Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ringbloom, Carl A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Bennie A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ross, Hugh G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ross, M. D., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ross, Oscar A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rudenberg, R., Reinhold, Dorn, and Espe, assignors.)
Westinghouse Electric and Manufacturing Company. (See Rüdenberg, R., and Friedländer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rugg, Walter S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rusby, Hermann, assignor.)
Westinghouse Electrical & Manufacturing Company. (See Sandin, J., and Crabbs, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sanfini, Danilo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sashoff, Stephen P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sateren, M. G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, W., and Renshaw, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schenkel, Moritz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schramm, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schulz, Walter A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Scott, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Seabert, John D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Seaton, John B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sinclair, Carol B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shaw, George R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shepard, Francis H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Sherman, A., Grant, and Hodderick, assignors.)
Westinghouse Electric & Manufacturing Company. (See Short, Ira, assignor.)
Westinghouse Electric & Manufacturing Company. (See Short, L., and Ormondroyd, assignors.)
Westinghouse Electric & Manufacturing Company. (See Shuey, Paul F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Siemens, Alfred. assignor.)
Westinghouse Electric and Manufacturing Company. (See Siemens, A., and Schmidt, assignors.)
Westinghouse Electric & Manufacturing Company. (See Skellett, Albert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Skeller, A., and Zworykin, assignors.)
Westinghouse Electric and Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric and Manufacturing Company. (See Smede, L., and Shand, assignors.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, James N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Snyder, F. L., and West, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Sparkes, H. P., and Stickney, assignors.)
Westinghouse Electric & Manufacturing Company. (See Spence, Le Roy U., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sperling, Jacob, assignor.)
Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stephens, Allan G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stickney, Bernard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Stone, Earll R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Styer, Charles A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sutherlin, Lee, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sykes, Wilfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tawberg, Elgnar., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taylor, George C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, M. C., and Pleasant, assignors.)
Westinghouse Electric & Manufacturing Company. (See Thau, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Thomas P., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Todd, Francis C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Tonnant, Virgil B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tuley, Charles B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Twiss, Alfred T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ulrey, Dayton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Upp, Charles B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Van Emden, Aaron L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Van Sickle, Roswell C., assignor.)
Westinghouse Electric & Manufacturing Company. (See von Isendorff, J., and Jungmichl, assignors.)
Westinghouse Electric & Manufacturing Company. (See von Kando, Kalman, assignor.)
Westinghouse Electric & Manufacturing Company. (See von Kleist, Felix B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wade, Wallace G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wagner, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Waite, Griffin G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Walbridge, John S., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Werner, Oscar, assignor.)
Westinghouse Electric & Manufacturing Company. (See West, Charles P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wey, G. J., and Young, assignors.)
Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
Westinghouse Electric & Manufacturing Company. (See White, Thomas U., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wickenden, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Williams, Harold W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Wilson, Earl D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, Frederick C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolf, Lester J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, J. C., and Colby, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wright, Ralph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Zodrow, F., and Schrank, assignors.)
Westinghouse Electric and Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
Westinghouse Electric and Manufacturing Company. (See Zworykin, V. K., and Janas, assignors.)
Westinghouse Electric & Manufacturing Company. (See Zworykin, V. K., and Ulrey, assignors.)
Westinghouse Lamp Company. (See Blakeman, Arthur C., assignor.)
Westinghouse Lamp Company. (See Callahan, George F., assignor.)
Westinghouse Lamp Company. (See Clarry, Harold E., assignor.)
Westinghouse Lamp Company. (See Driggs, Frank H., assignor.)
Westinghouse Lamp Company. (See Driggs, F. H., and Lillendahl, assignors.)
Westinghouse Lamp Company. (See Du Mont, A. B., and Weeks, assignors.)
Westinghouse Lamp Company. (See Ekstedt, John W., assignor.)
Westinghouse Lamp Company. (See Fagan, James M., assignor.)
Westinghouse Lamp Company. (See Ferguson, John E., assignor.)
Westinghouse Lamp Company. (See Ferguson, J. E., and Nicolls, assignors.)
Westinghouse Lamp Company. (See Fredenburgh, Mark N., assignor.)
Westinghouse Lamp Company. (See Gustin, Daniel S., assignor.)
Westinghouse Lamp Company. (See Hageman, A. M., and Lindstrom, assignors.)
Westinghouse Lamp Company. (See Hall, James D., assignor.)
Westinghouse Lamp Company. (See Jones, Hugo W., assignor.)
Westinghouse Lamp Company. (See Lederer, Ernest A., assignor.)
Westinghouse Lamp Company. (See Madden, Harry D., assignor.)
Westinghouse Lamp Company. (See Marden, J. W., and Lederer, assignors.)
Westinghouse Lamp Company. (See Massie, Arnold C., assignor.)
Westinghouse Lamp Company. (See Meyer, Peter, assignor.)
Westinghouse Lamp Company. (See Morrison, Montford, assignor.)
Westinghouse Lamp Company. (See Parrott, Warley L., assignor.)
Westinghouse Lamp Company. (See Ramage, John H., assignor.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Westinghouse Lamp Company. (See Rich, Malcolm N., assignor.)
Westinghouse Lamp Company. (See Rich, M. N., and Lederer, assignors.)
Westinghouse Lamp Company. (See Sinden, Roger H., assignor.)
Westinghouse Lamp Company. (See Thomas, Charles H., assignor.)
Westinghouse Lamp Company. (See Transue, Rudolph A., assignor.)
Westinghouse Lamp Company. (See Ulrey, Clayton T., assignor.)
Westinghouse Lamp Company. (See Wadsten, Sten, assignor.)
Westinghouse Lamp Company. (See Wadsten, S., and Hyde, assignors.)
Westinghouse Lamp Company. (See Walton, Frank W., assignor.)
Westinghouse Lamp Company. (See Widell, Emil G., assignor.)
Westinghouse Lamp Company. (See Wuertz, John L., assignor.)
Westinghouse X-Ray Company. (See Morrison, Montford, assignor.)
Westinghouse X-Ray Company. (See Nelson, Albert C., assignor.)
Westling, Carl J., Chicago, Ill. Valve. 1,842,056; Jan. 19.
Westling, Carl J., Chicago, Ill. Antifriction screw. 1,885,970; Nov. 1.
Westlund, Frank A., Glendale, Calif. Poultry roost. 1,876,371; Sept. 6.
Westman, Le Roy A., et al. (See Appel, Daniel, assignor.)
Westman, Le Roy A., and G. B. Carman, Cleveland, Ohio. Rotary pump. 1,853,391; Apr. 12.
Westminster Tool and Electric Company Limited, The. (See Hook, George R., assignor.)
Westmore, Percy H., assignor to Max Factor & Co., Inc., Los Angeles, Calif. Toupee. 1,845,350; Feb. 16.
Westmoreland, Crawford T. (See Farrell, J. H., and Westmoreland.)
Weston, Burt H., Wood River, Ill. Apparatus for producing cakes of solid carbon dioxide. 1,870,260; Sept 6.
Weston, Burt H., Wood River, Ill. Refrigerating apparatus. 1,882,237; Oct. 11.
Weston, Burt H., Wood River, Ill. Refrigerating apparatus. 1,888,646; Nov. 22.
Weston, Edward B., assignor to The Weston Paper and Manufacturing Company, Dayton, Ohio. Display stand. 1,860,879; May 31.
Weston, Edward F., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electric switch. 1,841,269; Jan. 12.
Weston, Edward F., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical relay and the like. 1,866,436; July 5.
Weston Electrical Instrument Corporation. (See Goodwin, William N., jr., assignor.)
Weston Electrical Instrument Corporation. (See Huber, Paul F., assignor.)
Weston Electrical Instrument Corporation. (See Lederer, Karl M., assignor.)
Weston Electrical Instrument Corporation. (See Romain, Burchard P., assignor.)
Weston Electrical Instrument Corporation. (See Weston, Edward F., assignor.)
Weston, Leroy A., Adams, Mass. Gasket device. 1,882,308; Oct. 11.
Weston, Louis, London, England. Non-inflammable photographic film. 1,877,212; Sept. 13.
Weston, Milton T. (See Wolfe, Charles J., assignor.)
Weston Paper and Manufacturing Company, The. (See Weston, Edward B., assignor.)
Weston, Paul E., Saranac, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Manufacture of hydrogen iodide. 1,890,874; Dec. 13.
Weston Toy Company, The. (See Merwin, Burton P., assignor.)
Weston, William K., Sanderstead, Surrey, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone cable. 1,856,676; May 3.
Weston, William S., Columbia, S. C. Testing screen. 1,863,291; June 14.
Westover, Clark, Wauconda, Wash. Tree prop. 1,867,485; July 12.
Westover, Claude O., Orlando, Fla. Carburetor. 1,887,386; Nov. 8.
Westphal, Henry C., El Paso, Tex. Puncture marker and tube deflator. 1,857,703; May 10.
Westphal, William, Los Angeles, Calif. Seat construction for furniture. 1,845,535; Feb. 16.
Westphalen, Leonard. (See Clark, William A., assignor.)
Westphallinger, Hermann, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Sighting device for ordnance. 1,890,351; Dec. 6.
Westrick, Harry A., Saline, Mich. Window screen for motor vehicles. 1,863,428; June 14.
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Adjustable seat. 1,887,077; Nov. 8.
Westrum, Eldon N., Ames, Iowa. Load indicating gauge for vehicles. 1,864,876; June 28.
West's Gas Improvement Company. (See West, Ernest, assignor.)
West's Gas Improvement Company, Limited. (See West, Frederick J., and E., assignors.)
Westvaco Chlorine Products, Inc. (See Low, Frank S., assignor.)
Westvaco Chlorine Products, Inc. (See Vorce, La Fayette D., assignor.)
West Virginia Armature Co. (See Phelps, Arthur F., assignor.)
West Virginia Pulp and Paper Company. (See Statham, N., and Leek, assignors.)
Westwood, Aubrey B., Wootton Wawen, England. Liquid soap container. 1,848,758; Mar. 8.
Westwood, Aubrey E., Winnipeg, Manitoba, Canada. Oil can. 1,849,161; Mar. 15.
Weszyki, Josef, assignor to Firma Magyar Fém-ás Lámpa-Aru-Gyar Részvénytársasag Ungarische Metallwaren- und Lampenfabriks Actien-Gesellschaft, Budapest, Hungary. Hand grenade. 1,890,274; Dec. 6.
Wetherald, Charles E., Flint, assignor to General Motors Corporation, Detroit, Mich. Forming valve tappets. 1,848,083; Mar. 1.
Wetherbee, Asher U., Evanston, assignor to Autogas Corporation, Chicago, Ill. Gas burner. 1,839,515; Jan. 5.
Wetherbee, Ashur U., Evanston, assignor to Autogas Corporation, Chicago, Ill. Boiler. 1,839,516; Jan. 5.
Wetherbee, Ashur U., Evanston, assignor to Autogas Corporation, Chicago, Ill. Combustion. 1,851,745; Mar. 29.
Wetherbee, Harry L. (See Brassert, H. A., Kinney and Wetherbee.)

Wetherell, Leslie, assignor to The Mason Box Company, Attleboro, Mass. Container and making the same. 1,851,746; Mar. 29.

Wetherill, John P., 3d, Washington, D. C., assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Magnesium alloy. 1,880,614; Oct. 4.

Wetherill-Morris Engineering Company. (See Morris, A. W., and Wetherill, assignors.)

Wetherill, Samuel P., jr. (See Morris, A. W., and Wetherill.)

Wethling, Harry D., Orange, N. J. Automobile lock. 1,846,777; Feb. 23.

Wetlaufer, George, Saginaw, Mich. Threshing machine. 1,864,033; June 21.

Wetmore, Charles A., Glenfield, N. Y. Snowplow. 1,863,610; June 21.

Wetmore, Miner P. (See Payson, A. E. ,and Wetmore.)

Wetmore, Miner P., Norwich, Conn., assignor, by mesne assignments, to Copeman Laboratories Company, Flint, Mich. Refrigerating device. 1,847,321; Mar. 1.

Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Combined cap and drinking cup for heat-insulated bottles. 1,855,039; Apr. 19.

Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Refrigerating device. 1,865,155; June 28.

Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Vacuum bottle sealing machine. 1,869,533; Aug. 2.

Wetmore, Thomas C., assignor to Sawyer Tanning Company, Napa, Calif. Leather measuring gauge. 1,874,677; Aug. 30.

Wetmore, Willard C., Saybrook, Conn. One-legged table. 1,859,320; May 24.

Wetmore, Willard C., Saybrook, and R. H. Seeley, Essex, Conn. Tray table. 1,853,526; Apr. 12.

Wetmore, William O., Washington, D. C. Oil liberator. 1,887,343; Nov. 8.

Wetthauer, Jules L., Belmont, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Making roofing. 1,886,456; Nov. 8.

Wettstein, Walter, Monthey, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Synthesis of guanidin. 1,887,475; Nov. 8.

Wettstein, Walter, Monthey, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Obtaining hydrocyanic acid from gases containing the same. 1,887,608; Nov. 15.

Wetzel, Harry C., assignor, by mesne assignments, to Pittsburgh Meter Co., Milwaukee, Wis. Constructional toy. 1,862,558; June 14.

Wetzel, Kurt O., Los Angeles, Calif. Heat equalizer for burners. 1,857,957; May 10.

Wever, Franz, Dusseldorf, assignor, by mesne assignments, to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, and Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Purification of metals. Re18,378; Mar. 8.

Wever, John A., Baltimore, Md. Fuse holder. 1,884,445; Oct. 25.

Wexler, Charles R., Cambridge, assignor to D. Housman, Winthrop, Mass. Automatic switch for controlling motor-vehicle-carried apparatus. 1,854,533; Apr. 19.

Wey, George W. Newark, and T. A. Young, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company. Voltage multiplier. 1,844,531; Feb. 9.

Weydell, Jarl M., Indianapolis, Ind., assignor of one-half to E. E. Stout. Synchronizer. 1,877,101; Sept. 13.

Weydert, Hubert J., Levallois Perret, France. Shock and vibration absorbing and damping device. 1,881,155; Oct. 4.

Weyerhauser Timber Company. (See Payzant, Henry H., assignor.)

Weyerts, Walter J. (See Hickman, K. C. D., and Weyerts.)

Weyerts, Walter J. (See Hickman, K. C. D., Sanford, and Weyerts.)

Weygandt, Leslie G., Wyncote, and P. K. Reed, Llanerch, assignors to Atlas Conveyor Company, Philadelphia, Pa. Ash hopper gate. 1,865,067; July 5.

Weymann, Charles T., Paris, France, assignor, by mesne assignments, to Weymann Motor Bodies, Inc., Wilmington, Del. Vehicle body. 1,868,263; July 19.

Weymann Motor Bodies, Inc. (See Weymann, Charles T., assignor.)

Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Compound fluid meter. 1,845,364; Feb. 16.

Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Water meter. 1,845,536; Feb. 16.

Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Apparatus for testing dispensing apparatus. 1,855,502; Apr. 26.

Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Liquid dispensing system. 1,887,609; Nov. 15.

Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Piston type meter. 1,891,461; Dec. 20.

Weymouth, Harry G., and H. Chrisman, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Strainer for mechanical refrigeration. 1,862,616; June 14.

Weymouth, Harry G., and E. M. Kreidler, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Gasoline meter. 1,870,155; Aug. 2.

Weymouth, Harry G., and H. Chrisman, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter chamber. 1,880,223; Oct. 4.

Weymouth, Harry G., Pittsburgh, and E. M. Kreidler, Wilkinsburg, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid meter. 1,886,996; Nov. 8.

Whalen, Francis C., assignor to Radiovisor Foreign & Colonial Limited, London, England. Instrument for the comparison of the intensity of light rays. 1,890,837; Dec. 13.

Whalen, John E., assignor to Seamans & Cobb Company, Hopkinton, Mass. Spindle. 1,858,607; May 17.

Whaley, Ralph S., Seattle, Wash., assignor to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 1,857,613; May 10.

Whaley, Ralph S., Seattle, Wash., assignor to Petroleum Heat and Power Company, New York, N. Y. Strainer. 1,876,439; Sept 6.

Whaley, Ralph S., Seattle, Wash., assignor to Petroleum Heat and Power Company, New York, N. Y. Strainer. 1,889,325; Nov. 29.

Whaley, William, Knoxville, Tenn. Conveyer for loading machines. 1,839,625; Jan. 5.

Whaley, William, Knoxville, Tenn. Shoveling machine. 1,883,200; Oct. 18.

Whalin, John J. (See Martin, D. W., and Whalin.)

Whan, I. R. (See Roberts, Albert J., assignor.)

Wham, Jesse P., assignor to Lane-Wells Corporation, Los Angeles, Calif. Oil well screen. 1,878,432; Sept. 20.

Wharam, John J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Brake operating mechanism. 1,862,105; June 7.

Wharam, John J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,888,708; Nov. 22.

Wharrad, Lionel A., assignor to William Hall & Company Limited, Studley, England. Needle. 1,851,793; Mar. 29.

Wharton, Edward R., Medford, Mass. Valve structure. 1,844,532; Feb. 9.

Wharton, Edward R., Medford, Mass. Starter mechanism. 1,845,637; Feb. 16.

Wharton, Edward R., Medford, assignor of one-half to Frederick M. Durfee, Brookline, Mass. Grease cartridge and the like. 1,849,391; Mar. 15.

Wharton, Everett E., Kansas City, Mo. Division block for bakers. 1,856,409; Mar. 29.

Wharton, William B., et al. (See Lee, Leffman H., assignor.)

Wharton, William, jr., & Company. (See Hulbert, William G., assignor.)

Wharton, William, jr., & Company. (See Sowden, Robert S., assignor.)

Wharton, William, jr., & Company. (See Vasel, Gustav A., assignor.)

Wharton, William B., et al. (See Lee, Leffman H., assignor.)

Whatcom County Dairymen's Association. (See Davis, Clay C., assignor.)

Whatmough, Wilfred A., New Barnet, England. Combustion chamber of internal combustion engines. 1,887,897; Nov. 15.

Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. Re18,670; Nov. 29.

Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. 1,845,322; Feb. 16.

Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,869,447; Aug. 2.

Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. 1,870,305; Aug. 9.

Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,886,440; Nov. 8.

Wheary Trunk Company. (See Hamlin, Benjamin M., assignor.)

Wheary Trunk Company. (See Wheary, George H., assignor.)

Wheat, E. F., et al. (See Jackson, Sherman D., assignor.)

Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Storage battery. 1,874,725; Aug. 30.

Wheatcroft, Violette E., West New Brighton, assignor to Kinney Brothers, Inc., Binghamton, N. Y. Merchandising machine. 1,855,618; Apr. 26.

Wheatley, Francis, sr., Kansas City, Mo. Rotary engines. 1,856,523; May 3.

Wheatley, George H. (See Weaver, C. F., Hyman, and Wheatley.)

Wheatley, George H., Oak Park, Ill. Covering. 1,865,345; June 28.

Wheatley, John E., Cincinnati, Ohio. Fireproof closable film reel. 1,840,647; Jan. 12.

Wheaton, A. W., Brass Works. (See Wheaton, Abram W., assignor.)

Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Valve. 1,887,078; Nov. 8.

Wheaton, Harold J. (See Hilditch, T. P., and Wheaton.)
Wheaton Oil Clarifier Corporation. (See White, Phillip A., assignor.)
Wheelbarger, Albert S. (See Ohmer, J. F., and Wheelbarger.)
Wheelbarger, Albert S., assignor to Ohmer Fare Register Company, Dayton, Ohio. Combined electrical and manual driving means. 1,851,267; Mar. 29.
Wheelbarger, Albert S., assignor to Ohmer Fare Register Company, Dayton, Ohio. Apparatus for indicating, recording, and registering fares or other receipts. 1,851,648; Apr. 12.
Wheelbarger, Albert S., Dayton, Ohio, assignor to Ohmer Fare Register Company. Adding mechanism. 1,852,791; Apr. 12.
Wheelbarger, Albert S., assignor to Ohmer Fare Register Company, Dayton, Ohio. Register. 1,853,792; Apr. 12.
Wheelbarger, Albert S., and G. C. Coil, assignors to Ohmer Fare Register Company, Dayton, Ohio. Paper feeding and tensioning mechanism. 1,846,463; Feb. 23.
Wheelbarger, Albert S., and G. C. Coil, assignors to Ohmer Fare Register Company, Dayton, Ohio. Ticket printing, issuing, and recording machine. 1,858,813; May 17.
Wheelbarger, Albert S., and G. C. Coil, assignors to Ohmer Fare Register Company, Dayton, Ohio. Totalizer and printing means therefor. 1,876,118; Sept 6.
Wheelbarger, Albert S., and P. Keil, assignors to Ohmer Fare Register Company, Dayton, Ohio. Register. 1,876,119; Sept. 6.
Wheelden, Harry L., Bangor, Me. Pole setting apparatus and the like. 1,847,855; Mar. 1.
Wheeler, Arthur L., Cleveland, assignor of one-half to S. E. Rodgers, Liberty County, Tex. Framing tool. 1,852,277; Apr. 5.
Wheeler, C. H., Manufacturing Company. (See Yetter, Frank L., assignor.)
Wheeler, C. H., Manufacturing Company. (See Droescher, Le Roy A., assignor.)
Wheeler, Calvin M., Marsland, Nebr. Potato planting machine. 1,847,355; Mar. 1.
Wheeler, Charles W., East Syracuse, N. Y., and P. Willis, Chicago, Ill., assignors to C-S Engineering Company, Englewood, N. J. Locomotive tank. 1,849,211; Mar. 8.
Wheeler, Clyde H., Wortendyke, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector. 1,850,144; Jan. 5.
Wheeler, Edward, assignor to American Engineering Company, Philadelphia, Pa. Side water wall supporting structure. 1,853,697; Apr. 26.
Wheeler, Emma, et al. (See Roessner, William L., assignor.)
Wheeler, Evan R. (See Hoover, R., and Wheeler.)
Wheeler, Evan R. (See Long, J. W., and Wheeler.)
Wheeler, Fred L. (See Lolley, W. H., Johnsen, and Wheeler.)
Wheeler, George C., Ainsworth, Nebr. Tractor attachment. 1,850,485; Mar. 22.
Wheeler, Harold A., Jackson Heights, N. Y., assignor to Hazeltine Corporation. Electric coupling circuit. 1,843,374; Feb. 9.
Wheeler, Harold A., Jackson Heights, N. Y., assignor to Hazeltine Corporation. Radiofrequency transformer. 1,846,701; Feb. 23.
Wheeler, Harold A., Jackson Heights, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Volume control for radioreceivers. 1,873,236; Aug. 23.
Wheeler, Harold A., Jackson Heights, N. Y., assignor to Hazeltine Corporation. Volume control. 1,879,861; Sept. 27.
Wheeler, Harold A., Jackson Heights, N. Y., assignor to Hazeltine Corporation. Volume control. 1,879,862; Sept. 27.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Wheatstone bridge filter. 1,855,619; Apr. 26.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Radio coupling system. 1,868,155; July 19.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Radio receiving apparatus. 1,875,837; Sept. 6.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation, Operating superheterodyne receivers. 1,878,614; Sept. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Electric coupling circuits. 1,878,653; Sept. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Push-pull amplifier. 1,878,740; Sept. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Push-pull amplifier. 1,878,741; Sept. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Thermionic amplifier. 1,878,742; Sept. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Push-pull amplifier. 1,878,743; Sept. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Volume control. 1,879,863; Sept. 27.
Wheeler, Harold A., Baltimore, Md., assignor to Hazeltine Corporation, Jersey City, N. J. Radio volume control. 1,866,687; July 12.
Wheeler, Harve M., Houston, Tex. Drill bit. 1,856,896; May 3.
Wheeler, Henry A., West Palm Beach, Fla. Solar water heating system. 1,873,854; Aug. 23.
Wheeler, Henry A., and F. J. Rentz; said Wheeler assignor of one-fourth to F. J. Rentz and one-fourth to L. E. Rentz, Miami, Fla. Solar water heater. 1,853,480; Apr. 12.
Wheeler, Holman K. (See Fessenden, R. A., and Wheeler.)
Wheeler, Holman K., Newton Center, Mass., assignor to Chemical Transfer Car Corporation, St. Johnsbury, Vt. Parting cars in gangs. 1,857,667; Nov. 15.
Wheeler, John E., Chicago, Ill. Electric horological savings device. 1,858,532; May 17.
Wheeler, John L. (See Wyner, L., and Wheeler.)
Wheeler, Lawrence B., St. Louis, Mo. Belt construction. 1,878,048; Sept. 20.
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping means for gasoline gauges. 1,840,648; Jan. 12.
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping means for gasoline gauges. 1,840,759; Jan. 12.
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping device. 1,843,939; Feb. 9.
Wheeler, Leonard H., assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,856,365; May 3.
Wheeler, Leonard H., assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,863,201; Oct. 18.
Wheeler, Maynard C. and C. B. Goodale, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Continuous butyl alcohol fermentation process. 1,837,536; Sept 6.
Wheeler, Melville M., Nashville, Tenn. Vanity dressing table. Des. 87,821; Sept. 20.
Wheeler, Melville M., Nashville, Tenn. Corner vanity dresser. Des. 88,330; Nov. 15.
Wheeler, Melville M., Nashville, Tenn. Corner dresser. Des. 88,331; Nov. 15.
Wheeler, Omar A., Portland, Oreg. Tire carcass and rubber reclaiming machine. 1,851,555; Mar. 29.
Wheeler, Omar A., Portland, Oreg. Tire reclaiming machine. 1,891,789; Dec. 20.
Wheeler Reflector Company. (See Cole, Charles M., assignor.)
Wheeler, Roy L., Mount Oliver, assignor to Aluminum Company of America, Pittsburgh, Pa. Tread plate. Des. 88,184; Nov. 1.
Wheeler, Roy L., Mount Oliver, assignor to Aluminum Company of America, Pittsburgh, Pa. Floor plate. Des. 88,185; Nov. 1.
Wheeler, Roy L, Mount Oliver, assignor to Aluminum Company of America, Pittsburgh, Pa. Tread plate. Des. 88,836; Dec. 27.
Wheeler-Schebler Carburetor Co. (See Anderson, Raymond M., assignor.)
Wheeler-Schebler Carbureter Company, The. (See Linkert, Howard W., assignor.)
Wheeler-Schebler Carbureter Company. (See Timian, Harold H., assignor.)
Wheeler Screen Company. (See Vaughan, Berkeley S., assignor.)
Wheeler, Seth, jr., Albany, N. Y. Shower pipe. 1,857,829; May 10.
Wheeler, Thomas S., and W. B. Fletcher, Northwick, England, assignors to Imperial Chemical Industries Ltd. Apparatus for carrying out gas reactions at high temperatures. 1,848,983; Mar. 8.
Wheeler, Thorne L., Chatham, N. Y., and J. B. Carpenter, jr., West Roxbury, assignors to A. D. Little, Incorporated, Cambridge, Mass. Making bone black. 1,856,302; May 3.
Wheeler, Walter H., jr., Stamford, J. W. Ogden, Springdale, and P. J. Rouan, East Port Chester, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Paper cutting device. 1,849,443; Mar. 15.
Wheeler, Walter H., jr., and J. W. Ogden, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Postage meter machine. 1,874,073; Aug. 30.
Wheeler, Walter H., jr., and J. W. Ogden, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Prevent taking of fraudulent impressions from valueprinting dies. 1,874,074; Aug. 30.
Wheeler, William, assignor of one-half to W. S. De Bardeleben, Richmond, Ky. Ring. 1,859,189; May 17.
Wheeler, William H., Glen Ridge, N. J., assignor, by mesne assignments, to Electric Smelter Corporation, New York, N. Y. Identification device. 1,846,171; Feb. 23.
Wheeler, William J., Conesville, Ohio. Household locker. 1,847,093; Mar. 1.
Wheeler, William L., Los Angeles, Calif. Surf board attachment. 1,865,985; July 5.
Wheeler, William L., Walnut Grove, Mo. Road culvert. 1,870,156; Aug. 2.
Wheeling Bronze Casting Company. (See Braddock, W. J., Bruhn, and Haller, assignors.)
Wheeling Bronze Casting Company. (See Braddock, W. J., and Haller, assignors.)
Wheeling Bronze Casting Company. (See Haller, Charles W., assignor.)

Wheeling Bronze Casting Company. (See Hamm, Fred, assignor.)
Wheeling Mold & Foundry Division of the Continental Roll & Steel Foundry Company. (See Nye, Ralph D., assignor.)
Wheeling Steel Corporation. (See Bedell, C. E., and Castle, assignors.)
Wheeling Steel Corporation. (See Bell, William M., assignor.)
Wheeling Steel Corporation. (See Ewing, Wylie B., assignor.)
Wheeling Steel Corporation. (See Monson, Heimer, assignor.)
Wheeling Steel Corporation. (See Parker, Thomas P., assignor.)
Wheeling Steel Corporation. (See Rollason, Charles H., assignor.)
Wheelock, Edwin M., Miller, S. Dak., assignor to Kent Garage Investing Corporation, New York, N. Y. Automobile storage building. 1,849,470; Mar. 15.
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical signal system. 1,848,143; Mar. 8.
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Code setting device for signal systems. 1,873,729; Aug. 23.
Wheelwright, Thomas S., Richmond, assignor to Old Dominion Iron & Steel Works, Belle Isle, Richmond, Va. Stay bolt. 1,868,083; July 19.
Wheelwright, Thomas S., Richmond, assignor to Old Dominion Iron & Steel Works, Belle Isle, Richmond, Va. Stay bolt. 1,868,084; July 19.
Whelan, Dow O., Scotia, N. Y., assignor to General Electric Company. Apparatus for the photographic recording and reproducing of sound. 1,844,708; Feb. 9.
Whelan, Dow O., Scotia, N. Y., assignor to General Electric Company. Resistance unit. 1,859,618; Nov. 29.
Whelan, Eugene B., Chicago, Ill. Combined circulating and by-pass valve. 1,855,121; Apr. 19.
pipe. 1,874,075; Aug. 30.
Whelan, Patrick J., Renfrew, Ontario, Canada. Smoking
Whelan, Paul R., St. Louis, Mo. Manufacture of Portland cement. 1,852,547; Apr. 5.
Wheland Company, The. (See Campbell, George E., assignor.)
Whelchel, Rupert C., assignor to Delco-Remy Corporation, Anderson, Ind. Commutator testing device. 1,842,810; Jan. 26.
Wheless, Eakin L., Shreveport, La. Apparatus for flowing wells. 1,867,639; July 19.
Wheless, William M. (See Taylor, J. W., and Wheless.)
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,840,480; Jan. 12.
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting and sewing machine. 1,844,730; Feb. 9.
Whetzel, Joshua C., Pittsburgh, Pa., assignor to American Sheet and Tin Plate Company. Treating ferrous sheets and plates. 1,892,560; Dec. 27.
Whicher, George H. (See Wood, Jesse N., assignor.)
Whinnen, Eugene, Okotoks, Alberta, Canada, assignor to Sullivan Machinery Company. Drill rod valve mechanism. 1,884,940; Oct. 25.
Whipple, Charles E., and S. Ross, Santa Paula, Calif., assignors to the estate of George D. Parker; C. B. Parker, executrix, Riverside, Calif. Fruit guard for strapping machines. 1,839,626; Jan. 5.
Whipple, Glenn E., and L. Wilson, assignors to Corn States Serum Company, Omaha, Nebr. Bleeding machine. 1,855,658; Apr. 26.
Whipple, Henry E., and F. P. Meeker, Los Angeles, Calif. Signaling device. 1,877,438; Sept. 13.
Whipple, Ray. (See Impey, R. R., and Whipple.)
Whiridry Corporation, The. (See Dunham, George W., assignor.)
Whirlpool Incorporated. (See DePew, Chester C., assignor.)
Whisnand, Charley E. and L. Kuboske, Wenatchee, assignors to Cataract Fruit Equipment Company, Yakima, Wash. Fruit sizing machine. 1,888,709; Nov. 22.
Whisner, E. J., Los Angeles, Calif. Automobile cooker. 1,861,672; June 7.
Whistler, David R., Dayton, assignor to The Black-Clawson Company, Hamilton, Ohio. Apparatus and method for making pulp or the like. 1,868,299; July 19.
Whitacre, Clarence J., Detroit, Mich., assignor to C. H. Braselton, New York, N. Y. Gasoline pump. 1,881,255; Oct. 4.
Whitacre, Donald D., Waynesburg, Ohio. Building construction. 1,872,200; Aug. 16.
Whitacre-Greer Fireproofing Company, The. (See Whitacre, John B., assignor.)
Whitacre, John B., assignor to The Whitacre-Greer Fireproofing Company, Waynesburg, Ohio. Salt-glazing brick and other clay products. 1,867,294; July 12.
Whitaker, Alfred. (See Eccles, W. H., and Whitaker.)
Whitaker, Alfred, West Drayton, and C. O. Browne, Ealing Common, London, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Photographic recording of light variation. 1,856,524; May 3.
Whitaker, Charles L., assignor to Frick Company, Waynesboro, Pa. Temperature regulating and humidifying apparatus. 1,868,264; July 19.
Whitaker, Frederic A. (See Thomas, T. H., and Whitaker.)
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Graduated release valve. 1,842,486; Jan. 26.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick-action triple valve device. 1,842,487; Jan. 26.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder pressure governor. 1,842,488; Jan. 26.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 1,842,497; Jan. 26.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,850,610; Mar. 22.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Graduated release valve. 1,879,643; Sept. 27.
Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train pipe coupling valve device. 1,850,574; Mar. 22.
Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 1,865,068; June 28.
Whitall Tatum Company. (See Bacon, J. L., and Lobb, assignors.)
Whitall Tatum Company. (See Clark, Augustus M., assignor.)
Whitall-Tatum Company. (See Headley, B. T., Du Bois, Koob, and Lobb, assignors.)
Whitall Tatum Company. (See Mazoyer, Leon J., assignor.)
Whitall-Tatum Company. (See Scull, James P., assignor.)
Whitby, George S., Montreal, Quebec, Canada, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Process and compound for treating rubber. 1,878,654; Sept. 20.
Whitby, George S., Montreal, Quebec, Canada, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Process and compound for treating rubber. 1,878,655; Sept. 20.
Whitcomb, Arthur J., assignor to Freyn Engineering Company, Chicago, Ill. Stock line recorder. 1,856,897; May 3.
Whitcomb, Arthur J., and O. C. Callow, assignors to Freyn Engineering Company, Chicago, Ill. Test rod. 1,885,397; Nov. 1.
Whitcomb, Clark A., Ann Arbor, Mich. Method and apparatus for displaying tiles. 1,850,647; Mar. 22.
Whitcomb, Elwood S., Everett, Mass. Cup. 1,882,830; Apr. 5.
Whitcomb, Harris M., assignor to Albany Hardware Specialty Mfg. Co., Albany, Wis. Door latch. 1,861,252; May 31.
Whitcomb, John, Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot water bottle. Des. 86,499; Mar. 8.
Whitcomb, John, Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot water bottle. Des. 86,693; Apr. 5.
Whitcomb, John H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bathing cap. Des. 87,421; July 19.
Whitcomb, John H., Lakewood, and N. V. Wagner, Rocky River, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Hot water bottle. Des. 87,495; Aug. 2.
Whitcomb, Joseph C., Princeton, Minn. Float for fishlines. 1,885,311; Nov. 1.
White, Alexander B., Caldwell, assignor of one-half to E. T. Wilkinson, Montclair, N. J. Traffic sign for road surfaces. 1,886,324; Nov. 1.
White, Arch S., Library, assignor to Neely Nut and Bolt Company, Pittsburgh, Pa. Extruding die for bolts and screws. 1,855,372; Apr. 26.
White, Arthur C., assignor to The Dow Chemical Company, Midland, Mich. Process for refrigerating and other uses. 1,844,999; Feb. 16.
White, Arthur L. (See Burton, T. F., and White.)
White, Beverley R., San Antonio, Tex. Outlet box suspension means. 1,845,948; Feb. 16.
White, Birdora H., Chicago, Ill. Buckle. Re18,539; July 26.
White, Birdora H., Chicago, Ill., assignor to Parva Products Company, Hillsdale, Mich. Fastener. 1,868,810; July 26.
White, Blanche B. (See Moss, W. H., and White.)
White, Bruce C., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Roll changer for printing presses. 1,855,503; Apr. 26.

White, Burt H., Syracuse, N. Y. Child's amusement device. 1,878,355; Sept. 20.
White Cap Company. (See White, W. P., and Ives, assignors.)
White, Charles H., assignor to Deere & Company, Moline, Ill. Harrow. 1,844,533; Feb. 9.
White, Charles H., assignor to Deere & Company, Moline, Ill. Gauge aligning mechanism for disk harrows. 1,846,663; Feb. 23.
White, Charles H., assignor to Deere & Company, Moline, Ill. Lister. 1,853,993; Apr. 5.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 1,857,749; May 10.
White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,873,518; Aug. 23.
White, Charles H., assignor to Deere & Company, Moline, Ill. Multiple row planter. 1,891,488; Dec. 20.
White, Charles N., Medina, N. Y. Rose. Pl. Pt. 22; Aug. 23.
White, Charles N. H. (See White, George E., and White.)
White, Clarence L., Cuyahoga Falls, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Shoe sole. Des. 87,034; May 24.
White, Clarence W., assignor to H. C. White Company, North Bennington, Vt. Desk. Des. 87,697; Aug. 30.
White, Clarence W., Evanston, Ill., assignor of part interest to G. P. Long, Shelby County, Tenn., E. White, and Y. Stein, Chicago, Ill. Treating internal combustion engine exhausts. 1,843,999; Feb. 9.
White, Clarence W., Chicago, Ill., assignor of part interests to G. P. Long, Shelby County, Tenn., E. White and V. Stein, Chicago, Ill. Apparatus for treating internal combustion engine exhausts. 1,847,596; Mar. 1.
White, Curtis H., Spokane, Wash. Submarine safety vessel. 1,865,663; July 5.
White, David, Company. (See Rothweiler, Charles O., assignor.)
White, D'Orsay M., assignor, by mesne assignments, to Reading Brake Company, Chicago, Ill. Disk wheel. 1,864,969; June 28.
White, Edward A., and I. W. Knight, Lewiston, Idaho. Edible entity sizing mechanism and method. 1,884,999; Oct. 25.
White, Edward F., Rutherford, N. J. Combination furniture set. 1,879,789; Aug. 9.
White, Edwin C., Baltimore, Md., assignor to Hynson, Westcott and Dunning Inc. Mercury derivative of halogenated fluoresceins. 1,860,004; May 24.
White, Edwin C., Baltimore, Md., assignor to Hynson, Westcott and Dunning, Inc. Mercury derivatives of di-halogenated resorcin-saccharins. 1,861,373; May 31.
White, Elbert N., Jr., assignor to Mosaic Tile Company, Essex County, N. J. Method of and apparatus for manufacturing cementitious articles. Re18,626; Nov. 1.
White, Ellis E., Hollywood, assignor to Pneumatic Tire Inflating Devices Corporation, Los Angeles, Calif. Coupling for tire inflating apparatus. 1,858,550; Nov. 22.
White, Eli, Detroit, Mich. Magnetic induction machine. 1,890,104; Dec. 6.
White, Erma, et al. (See White, Clarence W., assignor.)
White, Ernest M., Los Angeles, Calif. Pressure increasing device. 1,853,838; Apr. 12.
White, Ernest M., Los Angeles, Calif. Supercharger. 1,890,705; Dec. 13.
White, Etta B., Chicago, Ill. Curtain hanger. 1,852,729; Apr. 5.
White, Everet F. (See Jones, Frank, assignor.)
White, Ezekiel F., West Hartford, Conn. Adjustable gun choke and constructing the same. 1,892,522; Dec. 27.
White, Ezra L., and A. Ruthman, Gardner, assignors to Florence Stove Company, Boston, Mass. Automatic heater for water and other purposes. 1,891,855; Dec. 20.
White, Fred E., H. O. Berry, Gardner, Mass., and W. T. Bradbury, Kankakee, Ill., assignors to Florence Stove Company, Gardner, Mass. Combination liquid fuel reservoir, bowl, and support therefor. Des. 88,594; Dec. 6.
White, George D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Furnace floor seal. 1,841,291; Jan. 19.
White, George D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Scavenging tubular heaters of deposited material. 1,857,904; May 10.
White, George E., and C. N. H. White, Doornfontein Johannesburg, Transvaal, Union of South Africa. Pedal control for motor cars. 1,868,265; July 19.
White, Gerald E., assignor of one-fourth to J. T. Tyler and one-fourth to C. T. Reed, Lansing, Mich. Electric fluid heater. 1,854,322; Apr. 19.
White, Gerald N., Eastcheap, London, England. Production of colored effects in cementitious and building materials. 1,856,366; May 3.
White, H. C., Company. (See White, Clarence W., assignor.)
White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,855,736; Apr. 26.
White, Harold E., Butler, assignor to Lava Crucible Company, Pittsburgh, Pa. Method and material employed in the manufacture of refractory articles. 1,856,303; May 3.
White, Harold E., Butler, Pa., assignor, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Production of silicon carbide and calcium carbide. 1,889,856; May 24.
White, Harold E., Zelienople, assignor to Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Crucible furnace. 1,873,801; Aug. 23.
White, Harry, Kenmore, Ohio. Well screen. 1,839,284; Jan. 5.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,846,702; Feb. 23.
White, Harry B., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,864,782; June 28.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,882,464; Oct. 11.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,888,339; Nov. 22.
White, Herbert E. (See Kahn, J., and White.)
White, Herbert E., Cleveland Heights, Ohio. Welding apparatus. 1,874,394; Aug. 30.
White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Electrode mounting for welding machines. 1,866,382; July 5.
White, Herbert E., Cleveland, and W. F. Schulz, assignors to Truscon Steel Company, Youngstown, Ohio. Drawing roll mechanism. 1,880,002; Sept. 27.
White, Herbert E., and W. F. Schulz, Cleveland, assignors to Truscon Steel Company, Youngstown, Ohio. Making metal structures. 1,880,003; Sept. 27.
White, Herbert J. (See Bullock, E. W., and White.)
White, Herbert J., assignor to Gleason Works, Rochester, N. Y. Cutter sharpening. 1,865,862; May 17.
White, Herbert J., assignor to Gleason Works, Rochester, N. Y. Completely automatic gear cutting machine. 1,871,372; Sept 6.
White, James A., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator structure. 1,874,400; Aug. 30.
White, James B., and M. T. Gossett, Nashville, Tenn. Flush valve repairing tool. 1,880,615; Oct. 4.
White, James N., Denver, Colo. Cylinder laundry machine. 1,889,008; Nov. 29.
White, Jay E., assignor to Chrysler Corporation, Detroit, Mich. Ferrule. 1,872,640; Aug. 16.
White, John C., Encino, Calif., a decree of distribution, assignor of one-half to Bertha R. Murray. Signal switch. 1,840,280; Jan. 5.
White, John F., assignor to H. B. Staver, Chicago, Ill. Starting cage for racing animals. 1,878,218; Sept. 20.
White, John H. (See Harris, J. E., and White.)
White, John H., Cranford, N. J., and C. V. Wahl, assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Workable magnetic compositions containing principally iron and cobalt. 1,862,559; June 14.
White, John W. (See Alexander, H. S., Pfeiffer, and White.)
White, John W., Buffalo, N. Y. Fluid control tank. 1,851,226; Mar. 29.
White, John W., Buffalo, N. Y. Hydraulic brake system. 1,869,452; Aug. 2.
White, John W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Stoplight switch. Re18,487; June 7.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,839,818; Jan. 5.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Stoplight switch. 1,840,940; Jan. 12.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,868,781; July 26.
White, Jonathan N., assignor to United Metal Hose Co. Inc., New York, N. Y. Method and implement for expanding springs. 1,874,262; July 12.
White, Jonathan N., assignor to United Metal Hose Co. Inc., New York, N. Y. Ring expander. 1,866,783; July 12.
White, Jonathan N., assignor to United Metal Hose Co. Inc., New York, N. Y. Nozzle. 1,871,103; Aug. 9.
White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Rotary screen. 1,846,931; Feb. 23.
White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Wire applying mechanism for Fourdrinier paper making machines. 1,860,303; May 24.
White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Friction clutch. 1,880,616; Oct. 4.
White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Take-up for Fourdrinier machines. 1,885,163; Nov. 1.

White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Fourdrinier machine. 1,855,164; Nov. 15.

White, Joseph J., jr., assignor to Erie Malleable Iron Company, Erie, Pa. 1,850,436; Mar. 22.

White, Kenneth M., and G. K. Hearn, Chicago, Ill., assignors to Westinghouse Electric Elevator Company. Motor-control system. 1,854,446; Oct. 25.

White, Lazarus, New York, N. Y. Driving and cleaning hollow piles and the like. 1,852,096; Apr. 5.

White, Leon L., assignor of one-fourth to M. R. White, Tampa, Fla. Combined spool and container for adhesive tapes. 1,864,877; June 28.

White, Lloyd J. (See Mardick, J. K., and White.)

White, Lloyd J., assignor to Southern Prison Company, San Antonio, Tex. Speaking device. 1,846,927; Feb. 23.

White, Lloyd J., assignor to Southern Prison Co., San Antonio, Tex. Vehicle barrier. 1,884,447; Oct. 25.

White, Lovette G., Goddard, Kans. Internal combustion motor. 1,871,369; Aug. 16.

White, Mabel, Spokane, Wash. Vegetable cutting device. 1,865,986; July 5.

White, Marie R. (See White, Leon L., assignor.)

White, Maximilian P., Baltimore, Md., assignor to The Rome Company, Inc., Rome, N. Y. Berth. 1,846,824; Feb. 23.

White, Melbourne W., Lynn, Mass. assignor to United Shoe Machinery Corporation, Paterson, N. J. Turn shoe and shank piece therefor. 1,847,287; Mar. 1.

White Morris Manufacturing Company. (See White, Paul, assignor.)

White, Morris, New York, N. Y. Hand bag. Des. 87,701; Sept. 6.

White, Morris, New York, N. Y., assignor to Morris White Mfg. Co. Inc. Handbag. Des. 87,898; Oct. 4.

White, Morris, New York, N. Y., assignor to Morris White Mfg. Co. Inc. Hand bag. Des. 88,393; Nov. 22.

White, Morris B. (See Shivek, Bernard, assignor.)

White, Morris, Mfg. Co. (See White, Morris, assignor.)

White, Morris, Mfg. Co. Inc. (See White, Morris, assignor.)

White Motor Company, The. (See Church, Harold D., assignor.)

White Motor Company, The. (See Churcher, William B., assignor.)

White Motor Company, The. (See Goode, Gilbert C., assignor.)

White Motor Company, The. (See Savage, Edwin H., assignor.)

White Motor Company, The. (See Spiller, William R., assignor.)

White, Nelson, assignor, by mesne assignments, to Morse Products, Inc., Ithaca, N. Y. Adding machine. 1,854,875; Apr. 19.

White, Nelson, assignor, by mesne assignments, to Morse Products, Inc., Ithaca, N. Y. Electric drive for adding machines. 1,861,618; June 7.

White, Nelson C. (See Townend, D., and White.)

White, Phillip A., St. Albans, assignor to Wheaton Oil Clarifier Corporation, New York, N. Y. Method and apparatus for lubricating and operating internal combustion engines. 1,881,137; Oct. 4.

White, Raymond L., Indianapolis, Ind. Automatic suction bell and current control. 1,852,867; Apr. 5.

White, Richard G., Mariemont, Ohio. Child's conveyance. 1,844,305; Feb. 9.

White, Robert O., Los Angeles, Calif. Refrigerating device. 1,840,376; Jan. 12.

White, Rollin H., Cleveland Heights, Ohio. Tractor. 1,849,560; Mar. 15.

White, Rollin H., Cleveland Heights, Ohio. Transmission and steering mechanism. 1,872,541; Aug. 16.

White, Rollin H., Cleveland Heights, Ohio. Seal. 1,882,679; Oct. 18.

White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Lubricating system. 1,858,533; May 17.

White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)

White, S. S., Dental Manufacturing Company, The. (See Browne, George H., assignor.)

White, S. S., Dental Manufacturing Company, The. (See Crowell, Walter S., assignor.)

White, S. S., Dental Manufacturing Company, The. (See Hallowell, Clifton E., assignor.)

White, S. S., Dental Manufacturing Company, The. (See Joline, Emmet A., assignor.)

White, S. S., Dental Manufacturing Company, The. (See Webb, Hartwell W., assignor.)

White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Transmission gear shifter. 1,872,566; Aug. 16.

White, Sanford E., Santa Monica, Calif. Oil-feeding apparatus for engines. 1,883,202; Oct. 18.

White, Sidney Y. (See Loftin, E. H., and White.)

White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier system, method, and apparatus. 1,851,556; Mar. 29.

White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifying system. 1,853,106; Apr. 12.

White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier system. 1,853,184; Apr. 12.

White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving system. 1,854,915; Apr. 19.

White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selective receiving system. 1,867,608; July 19.

White Tar Company of New Jersey, The. (See Strout, Ralph C., assignor.)

White, Theodore R., Brooklyn, N. Y. Safety hand brake locking device for automobiles and trucks. 1,875,686; Sept. 6.

White, Thomas M., Weed, Calif. Ball practicing device. 1,862,044; June 7.

White, Thomas U., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,871,762; Aug. 16.

White, Wallace A., and B. A. Flood, Richmond, Va. Mounting for water meters. 1,866,437; July 5.

White, Wiley L., Calvert, Calif. Train order hoop holding means. 1,890,709; Dec. 13.

White, William A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bonding. 1,872,022; Aug. 16.

White, William A., assignor to White's Marine Engineering Company, Limited, Hebburn-on-Tyne, England. Distributor. 1,889,816; Dec. 6.

White, William C., assignor of one-half to J. H. Phillips, Bonham, Tex. Automatic stop for card machines. 1,852,494; Apr. 5.

White, William C., and W. D. McCray, Los Angeles, Calif. Toothbrush. 1,861,306; May 31.

White, William D., Ocala, Fla. Smudge brick. 1,863,517; June 14.

White, William D., Fort Sill, Okla. Dental prophylactic oscillator. 1,880,617; Oct. 4.

White, William D., and C. W. MacMillan, Passaic, N. J. Calendar. 1,840,179; Jan. 5.

White, William E., assignor to Kalman Steel Company, Chicago, Ill. Anchor. 1,878,921; Sept. 20.

White, William N., Spokane, Wash. Cigarette holder. 1,856,240; Nov. 22.

White, William P., Chicago, and C. E. Ives, Wilmette, assignors to White Cap Company, Chicago, Ill. Apparatus for handling containers. 1,846,009; Feb. 16.

White, William P. Chicago, and C. E. Ives, Wilmette, assignors to White Cap Company, Chicago, Ill. Exhausting and sealing machine. 1,889,289; Sept. 6.

White, William S., Denver, Colo. Cup washer. 1,854,434; Apr. 19.

White, William W., Evanston, assignor to Bendix Brake Company, Chicago, Ill. Brake means. 1,855,504; Apr. 26.

Whiteford, Thomas, Chelsea, and L. E. Donnell, Everett, Mass. Thermostatic circuit breaker. 1,864,783; June 28.

Whitehead, Arthur S., Seattle, Wash. Spark arrester and silencer. 1,872,373; Aug. 16.

Whitehead, Frederick A., assignor to Copperweld Steel Company, Glassport, Pa. Rolling bimetallic articles. 1,852,205; Oct. 18.

Whitehead & Hoag Company, The. (See Hoag, Philip O., assignor.)

Whitehead & Kales Company. (See Greenwald, Harold A., assignor.)

Whitehead & Kales Company. (See Judd, Irving H., assignor.)

Whitehead & Kales Company. (See Rainsford, Thomas F., assignor.)

Whitehead & Kales Company. (See Warrick, Charles F., assignor.)

Whitehead, Oscar N., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Packaging device. 1,889,966; Dec. 6.

Whitehead, Richard H., and W. E. Porter, assignors to The New Haven Clock Co., New Haven, Conn. Synchronous motor. 1,864,108; June 21.

Whitehead, Thomas C. (See Greenwald, Harold A., assignor.)

Whitehead Torpedo Company Limited, The. (See Jones, Albert E., assignor.)

Whitehead, William. (See Dreyfus, C., and Whitehead.)

Whitehead, William. (See Dreyfus, C., and Whitehead, assignors.)

Whitehead, William. (See Platt, H., Whitehead, and Williams.)

Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Extraction of dyestuffs. 1,839,819; Jan. 5.

Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Tinting liquid and applying the same. 1,852,137; Apr. 5.

Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Treating textile filaments. 1,852,891; Apr. 5.

Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Dyeing textile yarns. 1,871,486; Aug. 16.

Whitehead, William, and H. W. Kuhl, Cumberland, Md., assignors to Celanese Corporation of America. Identifiable material and making same. 1,885,878; Nov. 1.

Whitehorn, Arthur R., assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 1,852,386; Apr. 5.

Whitehorn, Arthur R., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system for railroads. 1,878,085; Sept. 20.

Whitehorn, Harold K., Maidstone, England. Electric railway system. 1,885,662; Nov. 1.

Whitehorne, William R., Lewiston, Me. Photographic print. 1,866,985; July 19.

Whitehouse, Herbert G., Newark, N. J., assignor to The Riker Company. Shoe buckle. Des. 87,947; Oct. 11.

Whitehouse, Herbert G. Newark, N. J., assignor to The Riker Company. Buckle fastener. 1,869,126; July 26.

Whitehouse, Irving P. (See Lord, H. C., and Whitehouse.)

Whitehouse, Irving P., assignor to H. C. Lord, Erie Pa. Joint. 1,883,203; Oct. 18.

Whitehouse, John N., New York, N. Y. Fountain pen or similar article. Des. 87,611; Aug. 16.

Whitehouse, John N., New York, N. Y. Fountain pen barrel or the like and making it. 1,867,242; July 12.

Whitehouse, John N., New York, N. Y. Tube of laminated sheeting. 1,875,289; Aug. 30.

Whitehouse, John N., New York, N. Y. Producing a composite button. 1,853,035; Oct. 4.

Whitehouse, John N., New York, N. Y., assignor to Sanite Corporation, Burlington, N. J. Attaching sheets of celluloid to the like and the manufacture. 1,860,458; May 31.

Whitehouse, John R., assignor to Hickok Manufacturing Co., Inc., Rochester, N. Y. Machine for sewing belts, suspenders, garters, and the like. 1,880,164; Sept. 27.

Whitehouse, Milton H., Milwaukee, Wis. Spring cover. 1,846,778; Feb. 23.

Whitehurst, Shepard W., Fort Worth, Tex. Carburetor. 1,872,374; Aug. 16.

Whiteley, Earl. (See Mountjoy, J. C., and Whiteley.)

Whiteley, Edmond. (See Watt, E. D., and Whiteley.)

Whiteley, Frank A., Minneapolis, Minn. Hot air heating plant. 1,846,292; Feb. 23.

Whiteley, James, North Tonawanda, N. Y. Driving mechanism for amusement devices. 1,843,530; Feb. 2.

Whiteley, Robert H., trustee. (See Whiteley, Robert H., assignor.)

Whiteley, Robert H., Oak Park, Ill., assignor to R. H. Whiteley, trustee. Self-lubricating bearing. 1,856,304; May 3.

White Pine Sash Company. (See Edmond, Oscar G., assignor.)

Whitesell, Frederick N., assignor to Fairbanks, Morse & Co., Chicago, Ill. Hydraulic control means. 1,877,102; Sept. 13.

Whiteside, Victor, Hutchinson, assignor of one-half to W. B. Reschke, Wichita, Kans. Trunk rack. 1,848,401; Mar. 8.

White's Marine Engineering Company, Limited. (See White, William A., assignor.)

Whitesmith, Alan C., Warrington, England, assignor to General Electric Company. Electrical coil. 1,864,331; June 21.

White Star Refining Company. (See Harrington, Claude L., assignor.)

Whitfield, Clifford M., and R. C. Gage, Sioux Falls, S. Dak. Christmas tree holder. 1,873,693; Aug. 23.

Whitfield Engineering Company. (See Le Fevre, Edwin E., assignor.)

Whitfield, George S., Ingrave, assignor to Ilford Limited, Ilford, England. Color photography. 1,877,709; Sept. 13.

Whitford, John, and D. Brander, Glasgow, Scotland. Moving or changing advertising and display apparatus or sign. 1,889,302; Nov. 29.

Whitfield-Johnson Motor Company. (See Whitfield, Joseph E., assignor.)

Whitfield, Joseph E., assignor to Whitfield-Johnson Motor Company, Pittsburgh, Pa. Internal combustion engine. 1,845,784; Feb. 16.

Whitfield, Joseph E., assignor to Whitfield-Johnson Motor Company, Pittsburgh, Pa. Internal combustion engine. 1,865,493; July 5.

Whitfield, Joseph E., assignor of one-half to H. A. Johnson, Pittsburgh, Pa. Hand wheel. 1,884,448; Oct. 25.

Whitin Machine Works. (See Aldrich, W. O., and Koolstra, assignors.)

Whitin Machine Works. (See Boyd, Thompson, assignor.)

Whitin Machine Works. (See Crockett, Frank L., assignor.)

Whitin Machine Works. (See Hames, Wade H., assignor.)

Whitin Machine Works. (See Hargreaves, Robert, assignor.)

Whitin Machine Works. (See Hartley, Alec R., assignor.)

Whitin Machine Works. (See Honnors, Oscar L., assignor.)

Whitin Machine Works. (See Horner, Leon H., assignor.)

Whitin Machine Works. (See Martin, Fay H., assignor.)

Whitin Machine Works. (See Rhodes, Earl D., assignor.)

Whitin Machine Works. (See Stuart, Henry B., assignor.)

Whitin Machine Works. (See Sweet, Bertram R., assignor.)

Whiting-Adams Company. (See Hill, Edward M., assignor.)

Whiting Corporation. (See Christie, Hugh K., assignor.)

Whiting Corporation. (See Clark, William T., assignor.)

Whiting Corporation. (See Coffey, Oscar L., assignor.)

Whiting Corporation. (See Hardy, Clement A., assignor.)

Whiting & Davis Company. (See Lynds, Fred H., assignor.)

Whiting, Donald F., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron tube circuits. 1,861,201; May 31.

Whiting, Donald F., Port Washington, assignor to Fox Case Corporation, New York, N. Y. Condenser microphone amplifier. 1,872,858; Aug. 23.

Whiting, Ernest C. Brighton, Mass. Coin controlled apparatus. 1,872,859; Aug. 23.

Whiting, Ernest C., Brighton, Mass. Continuous contact receptacle. 1,877,103; Sept. 13.

Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 1,840,145; Jan. 5.

Whiting, Perry, Los Angeles, Calif. Stucco building construction. 1,841,865; Jan. 19.

Whiting, Perry, Los Angeles, Calif. Stucco building construction. 1,846,625; Feb. 23.

Whiting, Walter L., Olympia, Wash. Swimming suit. Des. 87,375; July 12.

Whiting, Walter L., Olympia, Wash. Swimming suit. Des. 87,376; July 12.

Whiting, William A., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Wall construction. 1,841,593; Jan. 12.

Whitley, Wyatt Y., Fremont, N. C. Display counter case. 1,864,109; June 21.

Whitlock Coil Pipe Company, The. (See Parent, Emile J., assignor.)

Whitlock, Le Grand G., Bridgeport, Conn., assignor to Sam Salmond & Son, Hanover, Mass. Cotter pin. 1,849,605; Mar. 15.

Whitlock, Ralph G., Patents, Inc. (See Ryan, Commodore D., assignor.)

Whitlock, Ralph G., Patents Inc. (See Whitlock, Ralph G., assignor.)

Whitlock, Ralph G., Los Angeles, Calif. Handling metered parcels mail. 1,879,965; Sept. 27.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Machine for sealing letters, etc. 1,870,275; Aug. 9.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Drive for a printing member, inking device and guard. 1,870,430; Aug. 9.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Printing press. 1,870,474; Aug. 9.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Meter press. 1,870,541; Aug. 9.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Postal machine. 1,879,964; Sept. 27.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Postal machine. 1,879,966; Sept. 27.

Whitlock, Ralph G., Los Angeles, Calif., assignor to Ralph G. Whitlock Patents, Inc., Las Vegas, Nev. Hand operated postal machine. 1,879,967; Sept. 27.

Whitlock, William M., Scarsdale, N. Y. Camera attachment for tilting pictures. 1,861,169; May 3.

Whitman & Barnes, Incorporated. (See Harrington, Ferris T., assignor.)

Whitman, Claude S. (See Carpenter, J. E., and Whitman.)

Whitman, Fred H., assignor to A. O. Smith Corporation, Milwaukee, Wis. Threading die. 1,839,434; Jan. 5.

Whitman, Fred H., assignor to A. O. Smith Corporation, Milwaukee, Wis. Precision grinder. 1,839,627; Jan. 5.

Whitman, Riley H., Vincennes, Ind. Grave marker. 1,869,915; May 31.

Whitman, Stephen F., & Son, Inc. (See Greenwood, George W., assignor.)

Whitman, Stephen F., & Son, Inc. (See McIlhenny, Louis L., assignor.)

Whitman, Walter G., Whiting, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Filtering process and apparatus. 1,871,207; Aug. 9.

Whitmanis Manufacturing Company. (See Whitney, Karl H., assignor.)

Whitmore, Edson G., assignor to The De Vilbiss Company, Toledo, Ohio. Spray coating exhaust system. Re18,645; Nov. 1.

Whitmore, Edward R., assignor to The Adlake Company, Chicago, Ill. Vestibule diaphragm. 1,891,964; Dec. 27.

Whitmore, Reginald L. (See Glascodine, R. T., and Whitmore.)

Whitnall, George R., assignor to Northern Conveyor & Mfg. Co., Janesville, Wis. Material handling machine. 1,856,677; May 3.

Whitney, Chancy F. (See Farley, T. S., and Whitney.)

Whitney, Chancy F. (See Sabbah, Camil A., and Whitney.)

Whitney, Chancy F., Scotia, N. Y., assignor to General Electric Company. Traffic signal system. 1,880,618; Oct. 4.

Whitney, Ernest M., Providence, R. I., assignor to Hookless Fastener Company. Lock slider for slide fasteners. 1,858,351; May 17.

Whitney, George E., Bridgeport, Conn., assignor, by mesne assignments, to Whitney Stoker Corporation. Mechanical stoker. 1,887,191; Nov. 8.
Whitney, Horace E., assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass. Pour-out nozzle. 1,844,235; Feb. 9.
Whitney, Horace E., assignor to Dover Stamping and Manufacturing Company, Cambridge, Mass. Measuring and dispensing receptacle. 1,846,683; Mar. 8.
Whitney, Horace E., assignor to Dover Stamping and Manufacturing Company, Cambridge, Mass. Measuring and dispensing cup. 1,854,481; Apr. 12.
Whitney, John G., Elyria, Ohio. Display device. 1,871,288; Aug. 9.
Whitney, Karl H., Kirksville, Mo. Vibratory apparatus. 1,878,925; Sept. 20.
Whitney, Karl H., assignor to Whitmanis Manufacturing Company, Inc., Kirksville, Mo. Towel rack. 1,859,945; May 24.
Whitney, Karl H., assignor to Whitmanis Manufacturing Company, Inc., Kirksville, Mo. Vibratory apparatus. 1,868,452; July 19.
Whitney Mfg. Co., The. (See Dow, Richard F., assignor.)
Whitney Mfg. Co., The. (See Wertman, Charles E., assignor.)
Whitney, Marcus B., Darien, Conn. Pad. 1,871,573; Aug. 16.
Whitney, Maurice P. (See McGrath, W. L., and Whitney.)
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,844,000; Feb. 9.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,883,430; Oct. 18.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,883,431; Oct. 18.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Starting mechanism. 1,883,432; Oct. 18.
Whitney, Paul V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Combined trolley conveyer take-up and telescopic track. 1,875,535; Sept. 6.
Whitney, Paul V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Extensible rail, particularly for trolley conveyer systems. 1,876,373; Sept. 6.
Whitney Stoker Corporation. (See Whitney, George E., assignor.)
Whitney, Wiley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephonic system. 1,851,209; Jan. 12.
Whitney, Wiley, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephonic system. 1,855,895; Apr. 26.
Whitney, Wiley, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephonic system. 1,869,292; June 14.
Whitney, William E., and H. G. Hassenplug, Philadelphia, Pa., assignors, by mesne assignments, to Sloane-Blabon Corporation, New York, N. Y. Making linoleum. 1,868,058; July 19.
Whitney, Willis B. (See Wedmore, E. B., and Whitney.)
Whitney, Willis B., and E. B. Wedmore, Westminster, London, assignors to The British Electrical and Allied Industries Research Association, London, England. Electric circuit breaker and the like. 1,852,868; Apr. 5.
Whiton, Louis C., jr., assignor to Prat-Daniel Corporation, New York, N. Y. Dust separator control. 1,890,070; Dec. 6.
Whiton, Lucius E., New London, Conn. Jaw for lathe chucks, etc. 1,844,616; Feb. 9.
Whitright, Lee. (See Wattsworth, John C., assignor.)
Whitsett, Cameron A. (See Dalrymple, William P., assignor.)
Whitsett, Cameron A. (See Mabee, A. C., and Whitsett.)
Whitsitt, William B., Baltimore, Md., Air conditioning apparatus for passenger cars. 1,882,537; Oct. 11.
Whitson, Delmar A., assignor to Whitson Photophone Corporation, Los Angeles, Calif. Sound recording apparatus. 1,861,039; May 31.
Whitson, Delmar A., L. W. Photiloc, and F. F. Brush, Los Angeles, Calif. Automatic printer. 1,856,858; May 3.
Whitson, John W., Oakland, Calif. Car record apparatus. 1,879,779; Feb. 28.
Whitson Photophone Corporation. (See Whitson, Delmar A., assignor.)
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, Locomotive control system. 1,862,129; June 7.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, Air filter. 1,865,987; July 5.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, Hydraulic escapement device. 1,871,287; Aug. 9.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, Protective means for railway vehicle motors. 1,872,375; Aug. 16.
Whittaker, Harry. (See Mutschler, H. G., and Whittaker.)
Whittaker, John B., Santa Cruz, Calif. Instrument sterilizing box. 1,850,524; Mar. 22.
Whittaker, John D. (See Beck, M. B., and Whittaker.)
Whittaker, John R., St. Louis, Okla. Wrench rack. 1,862,447; June 7.
Whittam, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,859,277; May 24.
Whitted, John B., Hagerstown, Md., assignor to Stewart-Warner Corporation, Chicago, Ill. Hydraulic shock absorber. 1,885,206; Oct. 18.
Whitteker, Robert E., assignor to Kanawha Manufacturing Company, Charleston, W. Va. Car dumping apparatus. 1,881,156; Oct. 4.
Whittell, Alfred. (See Boukard, Samuel L., assignor.)
Whittelsey, Theodore, Ringoes, N. J. Regulating the growth of plants. 1,882,377; Oct. 11.
Whitten, Horace E., Somerville, Mass. Heat radiating device. 1,845,773; Feb. 16.
Whitten, Vernon H. (See May, C. C., and Whitten.)
Whittier, Roger K., Chattahoochee, Ga., assignor to Silver Lake Company, Newtonville, Mass. Hank of strand material. 1,878,306; Sept. 20.
Whittin Machine Works. (See Sixthor, Franz K., assignor.)
Whittingham, Eleanor V. D., et al., executors. (See Whittingham, George H.)
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Push-button switch mechanism. 1,844,731; Feb. 9.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Friction switch for electric motor circuits. 1,851,227; Mar. 29.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Slip-switch timing mechanism. 1,851,228; Mar. 29.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Disconnecting relay for reverse current breaker devices. 1,869,034; July 26.
Whittingham, George H.; Safe Deposit and Trust Company of Baltimore, and Eleanor V. D. Whittingham, executors, assignors to Monitor Controller Company, Baltimore, Md. Motor control switch mechanism. 1,890,838; Dec. 13.
Whittington, Frederik G., Evanston, Ill. Hanger for clothing and the like. 1,845,641; Feb. 16.
Whittington, Loring M., Seattle, assignor to Shirley G. Keene, Renton, Wash. Greeting card. 1,885,879; Nov. 1.
Whittle, Earnest A., Jacksonville, Fla. Collapsible container. 1,883,267; Oct. 18.
Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission circuit. 1,857,830; May 10.
Whittles, Joseph R. (See Belden, Albert G., and Whittles.)
Whitworth, Harry, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Brake lining and method of making. 1,890,424; Dec. 6.
Whitworth, Harry, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Brake lining and method of making. 1,890,425; Dec. 6.
Whitworth, Stanley, assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,865,548; July 5.
Whitworth, Stanley, assignor to Bendix Brake Company, South Bend, Ind. Manufacture of brake shoes. 1,870,811; Sept. 13.
Whitworth, Stanley, and L. E. Long, assignors to Bendix Brake Company, South Bend, Ind. Welding apparatus. 1,850,782; July 26.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,861,591; June 7.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Trailer brake control. 1,861,770; June 7.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Friction brake. 1,861,771; June 7.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,882,050; Oct. 11.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. 1,886,141; Nov. 1.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Vehicle braking system. 1,887,503; Nov. 15.
Whyte, John N., London, England. Conveying apparatus. 1,890,762; Dec. 13.
Whyte, Robert Lansing, assignor to General Motors Corporation, Detroit, Mich. Oil filter installation. 1,846,072; Feb. 23.
Whyte, William C., assignor to The Electro-Alloys Company, Elyria, Ohio. Retort. 1,878,307; Sept. 20.
Wiard, George W., Detroit, Mich., assignor, by direct and mesne assignments, to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Lifting jack. 1,878,219; Sept. 20.
Wiarda, John C. & Company. (See Laury, N. Arthur, assignor.)
Wiasemsky, Prince. (See Constantinovitch, Serge V.)
Wiberg, Frans M., Falun, Sweden. Treating solid materials with gases. 1,849,561; Mar. 15.
Wiberg, Frans M., Falun, Sweden. Reducing the carbonic acid in carbonic acid containing gases to carbon monoxide. 1,851,473; Mar. 29.
Wiberg, Oscar A., Finspong, Sweden. Labyrinth packing. 1,882,267; Oct. 11.

Wiberg, Oscar A., and G. Arnö, Finspong, Sweden. Regulating device for elastic fluid turbines. 1,847,031; Feb. 23.

Wible, Charles M., Mount Pleasant, Pa. Fish bowl. Des. 86,002; Jan. 12.

Wicaco Machine Corporation, The. (See Lawser, Charles W., assignor.)

Wicaco Machine Corporation. (See Sippel, John J., assignor.)

Wichart, William F., Los Angeles, Calif. Optical instrument. 1,877,439; Sept. 13.

Wichert Continuous Bridge Corporation, The. (See Wichert, Ernest M., assignor.)

Wichert, Ernest M., Wilkinsburg, Pa., assignor to The Wichert Continuous Bridge Corporation. Automatically adjustable continuous bridge. 1,842,136; Jan. 19.

Wichmann, John C., Los Angeles, Calif. Radium filter emanator. 1,859,904; May 24.

Wichmann, Reginald, Chislehurst, England. Sheet depositing device. 1,854,775; Apr. 19.

Wick, Carl. (See Aeschbach, W. E., and Wick.)

Wick, Emil A. (See Bjordal, M., and Wick.)

Wick, Louis D., assignor to Frank J. Gainelli, Spokane, Wash. Pneumatic dash gun. 1,892,260; Dec. 27.

Wicke, Carl, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Ledger blade grinder. 1,863,036; June 14.

Wickel, Friedrich K., Dresden, Germany. Quill-like structure in the form of a rigid, waterproof, and if desired, transparent tube. 1,888,898; Nov. 22.

Wickenden, Leonard. (See Ehrhart, N., and Wickenden.)

Wickenden, Leonard. (See Wadsworth, D. V., and Wickenden.)

Wickenden, Leonard, Manhasset, N. Y., and S. A. W. Okell, Cranford, N. J., assignors to J. J. Naugle, Rye, N. Y. Apparatus for the continuous treatment of comminuted carbonaceous material. 1,854,387; Apr. 19.

Wickenden, Leonard, Manhasset, N. Y., and S. A. W. Okell, Cranford, N. J., assignors to J. J. Naugle, Rye, N. Y. Preparing decolorizing carbon and the like. 1,863,361; June 14.

Wicker, Charles R. (See Hiatt, J. R., and Wicker.)

Wickerham, William R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,861,994; June 7.

Wickersham, Elmer E., Stockton, assignor, by mesne assignments, to Cannon, Leonard, Harvey Co., San Leandro, Calif. Harvester. 1,840,481; Jan. 12.

Wickersham, Elmer E., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Harvester. 1,860,519; May 31.

Wickersham, Elmer E., assignor to Caterpillar Tractor Co., San Leandro, Calif. Harvester-thresher. 1,860,520; May 31.

Wickersham, Newton M., et al. (See Croslen, Roy C., assignor.)

Wickersham, Newton W., assignor to Perkins Cementing, Inc., Los Angeles, Calif. Slip mechanism. 1,892,442; Dec. 27.

Wickes Boiler Co. (See Baker, John F. L., assignor.)

Wickes, Powers A., assignor to Electric Steel Foundry Company, Portland, Oreg. Multiple fastener. 1,853,291; Apr. 12.

Wickham, Alfred R., Sawston, assignor to Spicers Limited, London, England. Manufacture of sheets or films of compositions containing cellulose esters or ethers. 1,881,103; Oct. 4.

Wickham, Harold E. (See Huntley, R. and Wickham.)

Wickland, Anton I. (See Halstead, S. M., Wickland, and Tustin.)

Wickman, Arthur, Minneapolis, Minn. Flag holder for automobiles. 1,857,774; May 10.

Wickman, Samuel A., St. Albans, N. Y., assignor to American Machine & Foundry Company. Pusher device for extra long loaves. 1,864,704; June 28.

Wickman, Ralph A. (See Strobach, O., and Wickmann.)

Wicks, Clifford P. (See Pettit, K. D., Wicks, and Hajek.)

Wicks, John, Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone trunking system. Re18,373; Mar. 1.

Wicks, John, Oak Park, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Testing equipment. 1,842,811; Jan. 26.

Wicks, John, Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,857,184; May 10.

Wicks, John, Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Testing apparatus. 1,859,905; May 24.

Wicks, John, Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,886,613; Nov. 8.

Wicks, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Semi-automatic telephone system. Re18,687; Dec. 6.

Wicks, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,887,744; Nov. 15.

Wickstrom, Alfred, assignor of one-half to C. A. Bergstrom, Minneapolis, Minn. Dispensing device. 1,853,711; Apr. 12.

Wickstrom, Arvid, Duluth, Minn. Windshield wiper. 1,845,465; Feb. 16.

Wickstrum, Cecil M., Omaha, Nebr. Adjustable grave border and liner. 1,861,560; June 7.

Wickstrum, Cecil M., Omaha, Nebr. Tent construction. 1,884,449; Oct. 25.

Wickwire, Arthur M., jr., Nutley, assignor of one-half to A. Guiterrez, Passaic, and one-half to Peerless Roll Leaf Company, Incorporated, Union City, N. J. Printing or stamping cellulose tubes and other articles. 1,843,377; Feb. 2.

Wickwire, Arthur M., jr., Nutley, assignor of one-half to A. Guiterrez, Passaic, and one-half to Peerless Roll Leaf Company, Incorporated, Union City, N. J. Printing or stamping cellulose tubes and other articles. 1,843,378; Feb. 2.

Wickwire, Arthur M, jr., Nutley, N. J., assignor of one-half to Henry J. Lucke, New York, N. Y. Filling and charging device. 1,875,902; Sept. 6.

Wickwire Spencer Steel Company. (See Browning, Roger M., assignor.)

Wickwire Spencer Steel Company. (See Jaquith, Eugene H., assignor.)

Wickwire Spencer Steel Company. (See King, Vernon C.)

Wickwire Spencer Steel Company. (See Ploss, Othmar C., assignor.)

Wickwire Spencer Steel Company. (See Ward, Richard H., assignor.)

Wickwire Spencer Steel Company. (See Woodman, Francis N., assignor.)

Wico Electric Company. (See Hendrickson, Ira E., assignor.)

Wico Electric Company. (See Louis, Terrence G., assignor.)

Widdell, Henry E., Cleveland, Ohio. Refining crude oil. 1,865,494; July 5.

Widders, Oscar E., and J. K. Bayless, Monett, Mo. Renovating device. 1,867,640; July 19.

Widegren, Emil H. (See Widegren, Klas A. and E. H.)

Widegren, Klas A. and E. H., Herserud, Sweden. Centrifugal friction clutch. 1,887,610; Nov. 15.

Widell, Emil G., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Cathode for electron discharge devices. 1,870,306; Aug. 9.

Widell, Emil G., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electron discharge device and manufacture. 1,871,352; Aug. 9.

Widell, Henry E., Kansas City, Mo. Oil cracking still. **1,893,072; Jan. 10.**

Widell, Magnus E., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Interior collar can. 1,839,435; Jan. 5.

Widell, Magnus E., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Machine for forming metal bands. 1,847,615; Oct. 25.

Widell, Magnus E., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Can tester. 1,884,942; Oct. 25.

Widerman, Morris, New York, N. Y. Hair waving device. 1,889,166; Nov. 29.

Widman, Charles H., Detroit, Mich., assignor to The Murray Corporation of America. Built-up front member or section for automobile bodies. 1,856,010; Apr. 26.

Widmann, Adolf A., assignor to Hermann I. A. Dorner, Detroit, Mich. Internal combustion engine. 1,884,450; Oct. 25.

Widmann, Eugene A. (See Smith, Winfield D., assignor.)

Widmer, Gustave. (See Gams, A., and Widmer.)

Widmer, Gustave. (See Gams, A., Widmer, and Frey.)

Widmer, Jules A. (See Kauffman, T. J., and Widmer.)

Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Metallic vapor rectifier. 1,847,637; Mar. 1.

Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Metallic vapor rectifier. 1,847,638; Mar. 1.

Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifying control system. 1,863,293; June 14.

Widmer, Stefan, assignor to Brown, Boveri & Cie, Baden, Switzerland. Mercury vapor rectifier. 1,872,376; Aug. 16.

Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Protection and control of rectifiers. 1,887,830; Nov. 15.

Widmer, Stefan, and Ernst Hermann, assignors to Aktiengesellschaft Brown Boveri et Cie., Baden, Switzerland. Transformer structure. 1,890,045; Dec. 6.

Widner, Ralph L. La Harpe, Ill. Chicken feeder. 1,886,276; Nov. 1.

Widney, Stanley W., Philadelphia, Pa., assignor to Ride-O-Graph Corporation. Method of and apparatus for testing the riding qualities of vehicles. 1,891,613; Dec. 20.

Wiebe, Arthur E., Chicago, Ill., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Therapeutical lamp. 1,850,252; Mar. 22.

Wiechert, Frank T., Lakewood, assignor of one-half to R. C. Trimmer, Cleveland, Ohio. Cooling and dispensing apparatus. 1,862,344; June 7.

Wiedeck, Max, Berlin, Germany. Apparatus for target practice. 1,865,988; July 5.

Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube expander. 1,878,049; Sept. 20.

Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)

Wiedemann, Hans, Berlin-Charlottenburg, Germany. Apparatus for carbonizing solid carbonizable material. 1,850,648; Mar. 22.
Wiedemann, Karl. (See Hilger, J., and Wiedemann.)
Wiedemann, Karl. (See Stüsser, R., and Widemann.)
Wieden, Erich, Ohligs, Germany. Pocket cigar lighter. 1,862,779; June 14.
Wieden, Louis, Livermore, Calif. Woodworking machine. 1,852,387; Apr. 5.
Wiederkehr, Herman J. B., Altus, Ark., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Grape. Pl. Pt. 42; Nov. 8.
Wiedes Carbidwerke Freyung mit beschränkter Haftung, the Firm. (See Ancot, Emanuel, assignor.)
Wiefelspütz, Heinrich, assignor of twenty-three and one-third per cent to K. Wiefelspütz, twenty-three and one-third to W. Wiefelspütz, Bocklun, and thirty per cent to O. Becker, New York, N. Y. Toy. 1,855,005; Apr. 19.
Wiefelspütz, Karl, et al. (See Wiefelspütz, Heinrich, assignor.)
Wiefelspütz, William, et al. (See Wiefelspütz, Heinrich, assignor.)
Wieg, Bruno, Hamburg, Germany. Device for removing finger rings. 1,867,342; July 12.
Wiegand, Andrew J., Baltimore, Md. Light diffusing device. 1,850,365; Mar. 22.
Wiegand, Edwin L. (See Perry, Francis W., assignor.)
Wiegand, Edwin L. (See Perry, F. W., and Wiegand, assignors.)
Wiegand, Edwin L., Pittsburgh, Pa. Washer for electrical connections. 1,847,100; Mar. 1.
Wiegand, Edwin L., Pittsburgh, Pa. Fused immersion heater. 1,848,449; Mar. 8.
Wiegand, Edwin L., Pittsburgh, Pa. Electrical heating unit. 1,868,620; July 26.
Wiegand, Edwin L., Dormont Borough, Pa. Terminal for electrical conductors. 1,849,759; Mar. 8.
Wiegand, Erich, Hohen Neuendorf, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany. Electron emitting material. 1,873,730; Aug. 23.
Wiegand, Erich, Berlin-Waidmannslust, Germany, assignor to General Electric Company. Manufacturing oxide cathodes. 1,843,840; Oct. 18.
Wiegand, Frederick B. (See Schwendt, B. J., and Wiegand.)
Wiegand, Frederick B., Cleveland, Ohio. Light signal system for railroads. 1,856,525; May 3.
Wiegand, Frederick B., Cleveland, and B. J. Schwendt, Lakewood, Ohio. Cable outlet. 1,891,253; Dec. 20.
Wiegand, Hans H. Bergen, and M. Berger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,844,375; Feb. 9.
Wiegand, William B., Sound Beach, Conn. High color carbon black. 1,848,213; Mar. 8.
Wiegand, William B., Sound Beach, Conn., and L. J. Verstille, New York, N. Y. Carbon black and making same. 1,889,429; Nov. 29.
Wiegelmann, Hubert, Neheim, Germany. Device for producing shadow lines on work pieces. 1,841,867; Jan. 19.
Wieger, Bruno, Brunswick, Germany, assignor to Becker & Co. (1924), Limited, London, England. Sizing fibrous materials. 1,882,680; Oct. 18.
Wiegman, Clarence H., assignor to Packard Motor Car Company, Detroit, Mich. Muffler for Diesel engines with single inlet and outlet port. 1,884,452; Oct. 25.
Wiegner, Simon P., Los Angeles, Calif. Door control mechanism. 1,872,201; Aug. 16.
Wieland, Charles F., and R. J. Hubbell, San Francisco, Calif.; said Wieland assignor to General Paint Corporation. Coating machine. 1,862,837; June 14.
Wieland, George G., Oswego, assignor to J. C. Penny Company, Inc., New York, N. Y. Store furniture. 1,865,734; July 5.
Wieland, Howard A., San Francisco, Calif. Ash receiver. 1,888,251; Nov. 22.
Wielgus, Sam, Phoenix, Ariz. Hat-shaping device. 1,892,090; Dec. 27.
Wieman Kammerer Wright Co. (See Abegg, Walter A., assignor.)
Wiencke, Robert G. (See Driest, C., and Myers.)
Wiencke, George R., Chicago, Ill. Clothes drier. 1,862,644; June 14.
Wiener, Alfred E. (See Hawkins, W. J., and Wiener.)
Wiener, Arthur E., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Constant level tobacco feed for cigarette machines. 1,885,880; Nov. 1.
Wiener, Bernard, Bronx, N. Y. Dishwasher. 1,846,703; Feb. 23.
Wiener, Hugo, Bisbee, Ariz. Electric pick-up for phonographs. 1,851,109; Oct. 4.
Wiener, John, assignor to Masonite Corporation, Laurel, Miss. Method and apparatus of forming thick sheets from pulp. 1,853,185; Apr. 12.
Wiener, John A., and J. B. Harmon, Oswego, N. Y. Wet machine for insulating board. 1,864,784; June 28.
Wiener, Max L., Newark, N. J. Automobile. Des. 87,989; Oct. 18.
Wieners, Franz, Opladen, and W. Bauer, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water soluble sulphuric acid ester of anthraquinonyl-diphenyl-triazine-carboxylic acid amide. 1,867,125; July 12.
Wienholz, Albert E., New York, and F. Siefke, Brooklyn, N. Y. Stone saw. 1,876,480; Sept 6.
Wiepert, George D., assignor to Sargent & Company, New Haven, Conn. Shelf or the like. Des. 85,220; Dec. 20.
Wier, Stuart A., assignor to Tridex Corporation, Dallas, Tex. Fireproof surface cleaning device. 1,846,505; Feb. 23.
Wier, Stuart A., assignor to Tridex Corporation, Dallas, Tex. Apparatus for cleaning surfaces. 1,878,560; Sept. 20.
Wierk, Frederick, assignor to Johnson & Wierk, Inc., New York, N. Y. Apparatus for indicating and controlling web variations. 1,886,508; Nov. 8.
Wiese, Adalbert. (See Mihalics, A., and Wiese.)
Wiese, Diedrich, assignor to Atlas-Werke Aktiengesellschaft, Bremen, Germany. Device for operating bulkhead doors. 1,846,915; Feb. 23.
Wiese, Franz, Berlin-Wilmersdorf, Germany. Closure for containers. 1,856,201; May 3.
Wiesendanger, Elsie V., administratrix. (See Wiesendanger, Otto.)
Wiesendanger, Otto, deceased, Hempstead, N. Y., E. V. Wiesendanger, administratrix. Box cover. 1,881,304; Oct. 4.
Wiesenfeld, Bertha, New York, N. Y. Garment bag. 1,864,386; June 21.
Wiesenfeld, Leo, Brooklyn, N. Y. Elastic spat. 1,878,923; Sept. 20.
Wieser, Clarence C., Chicago, Ill. Cutting indication attachment for lathes. 1,855,700; Apr. 26.
Wieshuber, Frank X., Chicago, Ill. Toy whistle. Des. 87,021; Aug. 16.
Wietzel, Else, administratrix. (See Wietzel R., and Herbst.)
Wietzel, Gustav, Mannheim, and F. Haubach, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of phosphoric acid. 1,856,344; May 3.
Wietzel, Rudolf. (See Horst, Horst-Dietrich v. d., and Wietzel.)
Wietzel, Rudolf. (See Mittasch, A., Wietzel, and Pfaundler.)
Wietzel, Rudolf. (See Pier, M., Pungs, and Wietzel.)
Wietzel, Rudolf. (See Pier, M., Wietzel, and Winkler.)
Wietzel, Rudolf, Ludwigshafen-on-the-Rhine; E. Wietzel, Wilhelmshorst, administratrix, and M. Herbst, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Concentration of aqueous formic acid. 1,843,424; Feb. 2.
Wietzel, Rudolf, Ludwigshafen - on - the - Rhine, and C. Pfaundler, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of valuable hydrocarbons of low boiling point. 1,844,098; Feb. 16.
Wiezevich, Peter J., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating wood. 1,892,658; Dec. 27.
Wigan Coal & Iron Company. (See Leek, Albert E., assignor.)
Wiggenhorn, Guido J., et al, trustees. (See Martin, Edward T., assignor.)
Wiggin, Daniel W., assignor to The Abbott Company, Yarmouth, Me. Moccasin construction. Reissue 17,764; Aug. 16.
Wiggin, Daniel W., assignor to The Abbott Company, Yarmouth, Me. Moccasin construction. 1,871,764; Aug. 16.
Wiggins, Albert M. (See Giggs, J. B., and Wiggins.)
Wiggins, Arthur D. F. and T., and G. M. Knapp, assignors to The John B. Wiggins Company, Chicago, Ill. Cardcase and binder. 1,873,781; Feb. 23.
Wiggins, Frederick T. (See Wiggins, Arthur D. and F. T., and Knapp.)
Wiggins, John B., Company, The. (See Wiggins, Arthur D., and F. T. and Knapp, assignors.)
Wiggins, John H., Tulsa, Okla. Roof support for storage tanks. 1,846,294; Feb. 23.
Wiggins, John H., Tulsa, Okla. Breather type roof for storage tanks for gas and volatile liquids. 1,846,506; Feb. 23.
Wiggins, John H., Tulsa, Okla. Floating roof for liquid storage tanks. 1,854,534; Apr. 19.
Wiggins, John H., Tulsa, Okla. Floating roof for liquid storage tanks. 1,854,535; Apr. 19.
Wiggins, John H., Tulsa, Okla. Floating roof for liquid storage tanks. 1,871,251; Aug. 9.
Wiggins, John H., Tulsa, Okla. Floating roof for liquid storage tanks. 1,871,289; Aug. 9.
Wiggins, John H., Tulsa, Okla. Floating roof for liquid storage tanks. 1,874,726; Aug. 30.
Wiggins, John H., and C. A. Turner; said Turner assignor to said Wiggins. Tulsa, Okla. Liquid sealed vacuum and pressure relief valve. 1,874,727; Aug. 30.
Wigginton, George A., Kalamazoo, Mich., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Temporary binder. 1,876,374; Sept 6.
Wigglesworth, Harry H. (See Reumann, C. H., and Wigglesworth.)
Wigglesworth, Harry H. (See Sibson, W. W., and Wigglesworth.)
Wight, Edward H. (See Ober, B., and Wight.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,852,548; Apr. 5.

Wicht, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling device. 1,852,549; Apr. 5.

Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,852,550; Apr. 5.

Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Time element device. 1,856,045; Apr. 26.

Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,859,402; May 24.

Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,881,457; Nov. 29.

Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,889,458; Nov. 29.

Wightman, Rolan J. (See Feldmeier, H., and Wightman.)

Wigle, Everett, Kingsville, in Gosfield South Township, Essex County, Ontario, Canada. Hoeing attachment for cultivators. 1,858,652; May 17.

Wigle, Wilson B. (See Young, J., and Wigle.)

Wigle, Wilson B., Compton, Calif. Elevating apparatus. 1,842,638; Jan. 26.

Wigle, Wilson B., Compton, Calif. Combination casing head and casing support. 1,863,890; June 21.

Wignall, Joseph S., Payson, Utah. Direction signal for vehicles. 1,890,961; Dec. 13.

Wilz, Edwin O., assignor to The Wisconsin Alumni Research Foundation, Madison, Wis. Leavening. 1,856,938; May 3.

Wikander, Oscar R., assignor to Edgewater Steel Company, Pittsburgh, Pa. See Sparks. 1,860,122; May 24.

Wikkenhauser, Gustav. (See von Okolicsanyi, F., and Wikkenhauser.)

Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building machine. 1,846,044; Feb. 23.

Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead setting ring. 1,895,601; July 5.

Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Machine for making annular articles. 1,876,375; Sept. 6.

Wikle, William F. (See Noveild, H. E., and Wikle.)

Wikschröm, Jakob, Dusseldorf, Germany. Tool for manufacturing wire-tacks and nails. 1,860,564; May 31.

Wikstrom, Frank G., Brooklyn, assignor to B. Arkell, New York, N. Y. Folding machine. 1,853,551; Apr. 12.

Wikstrom, Frank G., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Paper working machine. 1,890,471; Dec. 13.

Wilband, John T., Vancouver, British Columbia, Canada. Log barge loading device. 1,863,953; June 21.

Wilber, Harry B., and A. W. Hollister, Kingston, N. Y. Garden hose supporter. 1,865,989; July 5.

Wilbern, Edward V., Saugerties-on-the-Hudson, N. Y. Guard and trap. 1,868,594; July 26.

Wilbur, Lawrence S., Evanston, Ill. Shock absorber. 1,857,750; May 10.

Wilbur, Lawrence S., Evanston, Ill., assignor to Johns-Manville Corporation. Finishing bituminous concrete flooring. 1,854,435; Apr. 19.

Wilbur, Peter C., Syracuse, N. Y., assignor to Will-X-M'f'g Corporation. Spraying device. 1,869,992; Aug. 2.

Wilbur White Chemical Company, The. (See Sherman, James M., assignor.)

Wilcke, Paul F., Seattle, Wash. Mechanical tray loader. 1,860,400; May 31.

Wilcken, Gert, assignor to Heinmann Electric Company, Philadelphia, Pa. Switch and circuit breaker. 1,843,351; Feb. 2.

Wilcolator Company, The. (See Fonseca, Edward L., assignor.)

Wilcolator Company, The. (See Fonseca, E. L., Hunt, and Barnum, assignors.)

Wilcox, Allen D., Bridgeport, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass drawing apparatus. 1,872,542; Aug. 16.

Wilcox, Charles E., Long Beach, Calif. Device for handling cones in electric furnaces. 1,842,225; Jan. 19.

Wilcox, Charlie N., McCook, Nebr. Oil can. 1,865,990; July 5.

Wilcox, Clayton G. and J. J. Shoemaker, Garrettsville, Ohio. Traffic light. 1,849,393; Mar. 15.

Wilcox Company, The. (See Wilcox, Joseph S., assignor.)

Wilcox, Frank, Los Angeles, Calif. Combination siren whistle. 1,867,903; July 19.

Wilcox, George C., Greenfield, assignor to Millers Falls Company, Millers Falls, Mass. Electric drill. 1,850,191; Mar. 22.

Wilcox, Jay M., Mayville, N. Y. Automatic oil stop. 1,878,356; Sept. 20.

Wilcox & Gibbs Sewing Machine Co. (See Lewis, Griffith M., assignor.)

Wilcox, Harry L., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Synchronous motor starter. 1,874,076; Aug. 30.

Wilcox, Hugh B. (See Hartig, H. E., and Wilcox.)

Wilcox, Joseph S., assignor to The Wilcox Company, Athol, Mass. Toilet brush or similar article. Des. 87,247; June 21.

Wilcox, Leroy, Detroit, Mich., assignor, by mesne assignments, to Cope-Swift Corporation. Oil burner. 1,855,932; Apr. 26.

Wilcox Products Corporation. (See McDonald, Charles B., assignor.)

Wilcox Products Corporation. (See Osterholm, William C., assignor.)

Wilcox-Rich Corporation. (See Dyer, Harold I., assignor.)

Wilcox-Rich Corporation. (See Ferguson, D. M., and Maurer, assignors.)

Wilcox-Rich Corporation. (See Hervig, Richard, assignor.)

Wilcox-Rich Corporation. (See Hoern, Joseph H., assignor.)

Wilcox-Rich Corporation. (See Schneider, George, assignor.)

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Upsetting mechanism. 1,885,648; Nov. 1.

Wilcox, Starling S., Jr., and H. R. Greiner, Columbus, Ohio. Golf ball washing machine. 1,871,139; Aug. 9.

Wilcox, William D., Idaho Falls, Idaho. Apparatus for the utilization of solid carbon dioxide. 1,852,388; Apr. 5.

Wilcoxon, Frank, Yonkers, N. Y. Colloidal metal products and making same. 1,866,069; July 5.

Wilcoxon, Frank, Yonkers, N. Y., assignor to W. C. O'Kane and P. Moore, trustees of Crop Protection Institute, Washington, D. C. Fungicide. 1,849,778; Mar. 15.

Wilcoxson, Leslie S., Ridgewood, assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for fluidizing and carbonizing pulverized coal. 1,858,796; May 17.

Wilczynski, John, Buffalo, N. Y. Rear view mirror for automobiles. 1,887,144; Nov. 8.

Wild-Barfield Electric Furnace Limited. (See Wild, Lancelot W., assignor.)

Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Machine for labeling bottles and the like. 1,863,176; June 14.

Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Can labeling machine. 1,864,288; June 21.

Wild, Charles H., Baltimore, Md., assignor to Burt Machine Company, Inc. Case filling machine. 1,891,516; Dec. 20.

Wild, E. C. (See Gile, Theodore A., assignor.)

Wild, Lancelot W., assignor to Wild-Barfield Electric Furnace Limited, London, England. Oven, furnace, or like structure. 1,841,605; Jan. 19.

Wild, Leonard. (See Quinn, Frank, and Wild.)

Wild, Melchior, Lomazzo, Italy. Spinning machine. 1,861,103; May 31.

Wilde, Francis E. J., Forest Hills, N. Y. Electric sign. 1,884,453; Oct. 25.

Wilde, Francis E. J., Forest Hills, N. Y. Control apparatus for electric signs. 1,884,454; Oct. 25.

Wilde, Johanna M. (See Truda, G. H., and Wilde.)

Wilde, Kurt, Berlin-Wilmersdorf, assignor to Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Transmitter for remote control indicator systems. 1,843,435; Feb. 2.

Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Door. 1,873,088; Aug. 23.

Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Gas stove. 1,873,089; Aug. 23.

Wilder, Arthur. (See Hoagland, F. O., and Wilder.)

Wilder, Francis E. P., et al. (See Moran, J. L., and Lee, assignors.)

Wilder, James G., Independence, Calif. Ladder. 1,845,537; Feb. 16.

Wilder, John, assignor to Wilder Metal Company, Niles, Ohio. Process and apparatus for coating ferric articles with a metallic protective. 1,862,249; June 7.

Wilder Metal Company. (See Wilder, John, assignor.)

Wilderman, Meyer, London, England, assignor to The American Wilderman Porous Ebonite Company, Inc., Philadelphia, Pa. Electric accumulator. 1,841,998; Jan. 19.

Wilderman, Meyer, Hampstead, London, England, assignor, by mesne assignments, to The American Wilderman Porous Ebonite Company, Inc., Philadelphia, Pa. Electric battery. 1,843,531; Feb. 2.

Wilderman, Meyer, Hampstead, London, England, assignor, by mesne assignments, to The American Wilderman Porous Ebonite Company, Inc., Philadelphia, Pa. Production of separators, diaphragms, filters, and the like, consisting of porous as well as of porous and non-porous ebonite and the like. 1,862,645; June 14.

Wilderman, Meyer, Monte Carlo, Monaco, France, assignor to The American Wilderman Porous Ebonite Company, Philadelphia, Pa. Spreading apparatus. 1,891,790; Dec. 20.

Wildermuth, Jesse W., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Lip-tile and support therefor. 1,845,642; Feb. 16.

Wildermuth, Jesse W., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass apparatus. 1,847,156; Mar. 1.

Wilderson, Clinton G., Leetonia, Ohio. Woodworking machinery. 1,846,295; Feb. 23.

Wilderson, Clinton G., deceased, Leetonia, The Guardian Trust Company, Cleveland, Ohio, and M. Wilderson, executors. Control mechanism. 1,857,905; May 10.

Wilderson, Ell. (See Thompson, H. L., and Wilderson.)
Wilderson, Myrna, et al., executors. (See Wilderson, Clinton G., assignor.)
Wildey, Edward M., London, England. Hair comb. 1,886,619; Oct. 4.
Wildhaber, Ernest. (See Gstyr, J., and Wildhaber.)
Wildhaber, Ernest, Rochester, N. Y. Grinding gears. 1,858,568; May 17.
Wildhaber, Ernest, Rochester, N. Y. Perfecting gears and gear shaped articles. 1,881,382; Oct. 4.
Wildhaber, Ernest, Brooklyn, N. Y. Projection screen. 1,867,199; July 12.
Wildhaber, Ernest, Brooklyn, N. Y. Rotary member for forming gears. 1,877,104; Sept. 13.
Wildhaber, Ernest, Brooklyn, N. Y. Cutting tool for generating noninvolute gears and gear shaped articles. 1,892,091; Dec. 27.
Wildhaber, Ernest, Brooklyn, assignor of one-half to J. Gstyr, Rochester, N. Y. Gas burner. 1,854,323; Apr. 19.
Wildhaber, Ernest, and J. Gstyr, Rochester, N. Y. Exposure indicator for photographic shutters. 1,839,517; Jan. 5.
Wildin, George W., Pittsburgh, Pa., assignor to Cardwell Westinghouse Company. Friction draft gear. 1,844,234; Feb. 9.
Wildin, George W., Pittsburgh, Pa., assignor, by mesne assignments, to Cardwell Westinghouse Company, Chicago, Ill. Shock absorbing mechanism. 1,894,997; Apr. 5.
Wildman, Horatio S. (See Lennox, L. W., and Wildman.)
Wildman Mfg. Co. (See Howell, Kenneth, assignor.)
Wildman Mfg. Co. (See Richter, Wolfgang D., assignor.)
Wildt and Company Limited. (See Holmes, H. H., and Robinson, assignors.)
Wildt, Edward A., assignor of one-half to J. W. Early, Scranton, Pa. Hot water boiler. 1,855,077; Apr. 19.
Wile, Benjamin H., Louisville, Ky. Shock absorber. 1,865,144; June 14.
Wiles, Charles L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Rim rolling machine. 1,841,073; Jan. 12.
Wiles, Charles L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Welding. 1,884,455; Oct. 25.
Wiley, Edgar C., assignor to Simplex Heating Specialty Company, Inc., Lynchburg, Va. Regulating apparatus for steam heating systems. 1,868,555; July 26.
Wiley, Edward W., and G. I. Gillies, Windsor, Ontario, Canada. Hydraulic transmission. Filed May, Utica, Mich. Motor mounting. 1,876,812; Sept. 13.
Wiley, Esmond F., San Francisco, assignor to Universal Window Company, Oakland, Calif. Awning type window operator. 1,864,970; June 28.
Wiley, Herbert H. (See Wiley, E. W., and Gillies, assignors.)
Wiley, Hugh A., Memphis, Tenn. Battery replacement box. 1,886,071; Nov. 1.
Wiley, James A., Cedar Falls, Iowa. Selective mark indicator for tests. 1,883,193; Oct. 18.
Wiley, James P., Ragland, Ala. Aeroplane. 1,874,839; Aug. 30.
Wiley, James T., West Hamlin, W. Va. Wire clamp. 1,859,812; May 24.
Wiley, John, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of inlaid linoleum or the like. 1,873,090; Aug. 23.
Wiley, Lee M., Marion, Ind., assignor to Delta Electric Company. Lamp mounting. 1,845,235; Mar. 8.
Wiley, Lee M., assignor to Delta Electric Company, Marion, Ind. Reflector assembly. 1,848,812; Mar. 8.
Wiley, Lee M., assignor to Delta Electric Company, Marion, Ind. Electric lantern. 1,877,993; May 10.
Wiley, Margaret C., Washington, D. C. Separable fastener. 1,867,126; July 12.
Wiley, Roy B., Buffalo, N. Y. Electroluminescent tube. 1,854,357; Apr. 19.
Wiley, Samuel, Metuchen, N. J. Holder for pyrotechnic cartridges. 1,845,381; Feb. 16.
Wiley, Samuel, Metuchen, N. J. Landing flare and releasing means therefor. 1,847,545; Mar. 1.
Wiley, Samuel, Metuchen, N. J. Parachute for illuminating flare. 1,900,922; Dec. 13.
Wiley, William R., Detroit, Mich., assignor to the Basick Company, Bridgeport, Conn. Hood catch. 1,858,252; May 22.
Wilford, E. Burke. (See Rieseler, W., and Kreiser, assignors.)
Wilford, Edward B., Merion, Pa. Aircraft. 1,848,555; Mar. 8.
Wilford, James W. (See Hargraves, S. S., De Orlow, and Wilford.)
Wil-Fry Corporation. (See Fry, Walter L., assignor.)
Wilhelm, Arthur M., Randolph, N. Y. Landing indicator for airports. Des. 87,178; June 14.
Wilhelm, Arthur M., Randolph, N. Y. Aviation marker. 1,847,749; Mar. 1
Wilhelm, Harold F. (See Bégin, Lucien, assignor.)
Wilhelm, Harold F., et al. (See Bégin, Lucien, assignor.)
Wilhelm, John H., Rockaway Beach, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Mounting movable eyes. 1,859,321; May 24.
Wilhelm, Karl H., Brooklyn, N. Y. Illuminated advertising device. 1,859,813; May 24.
Wilhelm, Ottmar, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Rotary printing machine. 1,865,602; July 5.
Wilhelm, Robert M. (See Bast, F. J., and Wilhelm.)
Wilheim, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,868,650; July 26.
Wilhelm, Walter S., sr., St. Petersburg, Fla. Casket lowering device. 1,847,157; Mar. 1.
Wilselmi, Alfred, Oberhausen, Germany. Carrier for slag pans, and the like. 1,861,946; June 7.
Wilhelmi, Charles F., Huntington, W. Va., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,864,785; June 28.
Wilhelmi, Dirk F., Oosterbeek, Netherlands. Production of hot vulcanized footwear. 1,863,954; June 21.
Wilhelmi, Dirk F., assignor to Naamlooze Vennootschap Verenigde Nederlandsche Rubberfabrieken, Heveadorp, Netherlands. Molding an india-rubber gas mask. 1,861,673; June 7.
Wilhelmi, Johannes N., Hamburg, Germany. Metallic piling. 1,847,507; Mar. 1.
Wilhelmi, Valentin, Maywood, N. J. Boiler connection. 1,873,949; Apr. 12.
Wilhjelm, Christian, Philadelphia, Pa. Temperature control apparatus. 1,849,163; Mar. 15.
Wilhjelm, Christian, Philadelphia, Pa. Temperature control apparatus. 1,870,091; Aug. 23.
Wilhjelm, Christian, assignor, by mesne assignments, to C. Wilhjelm, Philadelphia, Pa., as trustee. Valve regulating device. 1,844,421; Feb. 9.
Wilhjelm, Christian, Philadelphia, Pa., and G. S. Frazee, Cleveland, Ohio, said Frazee assignor to said Wilhjelm. Temperature control system. 1,849,162; Mar. 15.
Wilhjelm, Christian, as trustee. (See Johanson, Gustav H., assignor.)
Wilhjelm, Christian, trustee. (See Wilhjelm, Christian, assignor.)
Wilisch, Hugo, Konigswinter-on-the-Rhine, Germany. Filling block for heat reaction, and absorption apparatus. 1,887,704; Nov. 15.
Wilke, Ernst, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Heat exchanger. 1,863,586; June 21.
Wilke, Gustave A., assignor to Leader Card Works, Milwaukee, Wis. Mounting cards with rounded corners. 1,868,864; July 26.
Wilke, Gustave A., assignor to Leader Card Works, Milwaukee, Wis. Manufacture of round cornered cards. 1,868,865; July 26.
Wilke, Karl, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparation of ortho-amino-carboxylic acid esters of the anthraquinone series. 1,849,444; Mar. 15.
Wilke, Karl, Frankfort-on-the-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Benzanthrone derivatives of pyrazolanthrone and preparing them. 1,873,925; Aug. 23.
Wilke, Karl, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the benzanthrone-pyrazolanthrone series. 1,878,050; Sept. 20.
Wilkening, Arthur O., St. Louis, Mo. Lawn chair. Des. 86,003; Jan. 12.
Wilkerson, Don D., assignor of one-fifth to Herman L. Huelhorst, St. Louis, Mo. Shoe cut-out means. 1,877,105; Sept. 13.
Wilkerson, James T., Excel, Ala. Animal trap. 1,847,508; Mar. 1.
Wilkes, Charles B., jr. (See Yoder, C. B., Gahn, and Wilkes, jr.)
Wilkes, Don Q., Pueblo, Colo., assignor to Bendix-Cowdrey Brake Tester, Inc. Brake testing device for automobiles. Re18,536; July 19.
Wilkes, Don Q., Pueblo, Colo., assignor to Bendix Cowdrey Brake Tester, Inc., South Bend, Ind. Automobile brake testing device. 1,872,543; Aug. 16.
Wilkes, Frederic, Wilkinsburg, Pa. Lubricating apparatus. 1,857,992; May 10.
Wilkes, Traub, New York, N. Y. Coal distributor. 1,856,981; May 3.
Wilkie, Warren, assignor to Parke, Davis & Company, Detroit, Mich. Capsule filling machine. 1,839,820; Jan. 5.
Wilkie, Warren, and A. A. Leverenz, assignors to Parke, Davis & Company, Detroit, Mich. Capsule filling machine. 1,876,513; Sept. 13.
Wilking, James N. (See Rossiter, W. J., and Wilking.)
Wilkins, Artemas O., Saugus, Mass. Collet chuck. 1,864,786; June 28.
Wilkins, Arthur C. F., et al. (See Maier, Michael, assignor.)
Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Salem, Mass. Electric condenser. 1,886,997; Nov. 8.
Wilkins, Charles E., and A. W. Rafferty, Sacramento, Calif. Cable clamp. 1,855,620; Apr. 26.
Wilkins, Edward A. (See Kriege, J. F., and Wilkins.)
Wilkins, Kenneth M., assignor to Superior Trolley Slide & Equipment Company, Waukegan, Ill. Trolley slide with locking means. 1,884,456; Oct. 25.
Wilkins, Raymond A., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,884,457; Oct. 25.

Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Alloy. 1,857,928; Mar. 29.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Alloy. 1,868,679; July 26.
Wilkins, Thomas M., Garland, Pa., assignors to J. D. Falconer, Jamestown, N. Y. Automatic regulator. 1,881,007; Oct. 4.
Wilkins, Vardaman G., Silver City, Iowa. Wire splicer. 1,848,038; Mar. 1.
Wilkinson, Charles G., New York, N. Y. Flagpole and the like. 1,879,779; Sept. 27.
Wilkinson, Edward T. (See White, Alexander P., assignor.)
Wilkinson, Ernest, Sour Lake, Tex., assignor to L. A. Layne, Houston, Tex. Releasing spear. 1,842,705; Jan. 26.
Wilkinson, Fred, assignor to F. C. Washburn, New Bedford, Mass. Textile machine. 1,876,376; Sept. 6.
Wilkinson, George S., assignor to D. Napier & Son Limited, London, England. Liquid fuel injection pump for internal combustion engines. 1,859,069; Apr. 12.
Wilkinson, Henry, assignor of one-half to Platt Brothers and Company Limited, Oldham, England. Automatic control of pneumatically conveyed cotton or such like. 1,842,433; Jan. 26.
Wilkinson, Henry, Barrowshow, Oldham, assignor to Platt Brothers and Company Limited, Oldham, England. Machine for opening or breaking up cop-bottoms, cotton, or other waste, or like fibrous materials. 1,887,745; Nov. 15.
Wilkinson, John J., and M. A. Wilkinson, Owego, N. Y., assignors to The Carrom Company, Ludington, Mich. Automatic folding table. 1,859,121; May 17.
Wilkinson, Matthias L., and R. Bradshaw, Preston, England. Locking of stereo-plates or printing surfaces to the cylinders of rotary printing machines. 1,860,916; May 24.
Wilkinson, Matthias L., and R. Bradshaw, Preston, England. Locking of stereoplates or printing surfaces to the cylinders of rotary printing machines. 1,876,373; Sept. 6.
Wilkinson, Merle O. (See Barnes, W. A., and Wilkinson.)
Wilkinson, Michael A. (See Wilkinson, John J. and M. A.)
Wilkinson, Michael A., Owego, N. Y. Folding table. 1,879,649; Sept. 27.
Wilkinson, Paul Ellis, and F. Gebhart, Los Angeles, Calif.; said Gebhart assignor to said Wilkinson. Brake. 1,857,104; May 3.
Wilkinson, Tom R., Blackston, Arnside, England. Jigging conveyer. 1,865,403; June 28.
Wilkinson, Tom R., Blackston, Arnside, England. Driving gear in jigging conveyers. 1,873,094; Aug. 23.
Wilkoff, Arthur E., and O. J. Nyberg, Niles, Ohio, assignors to Youngstown Steel Car Company. Special metal connection. 1,877,704; May 10.
Will & Baumer Candle Company. (See Geller, Leon W., assignor.)
Will, Carl H., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater and deflector therefor. 1,859,418; May 24.
Will, Carl H., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater and deflector therefor. 1,880,620; Oct. 4.
Will, John H., assignor to Armour and Company, Chicago, Ill. Blending device. 1,878,735; Sept. 20.
Will, Louis. (See Baker, Frank E., assignor.)
Willams, Thomas D. (See Chubb, K. A., Ralston, and Williams.)
Willard, Carl L., Lynwood, Calif., assignor to Transit Mixers Inc. Mixing or agitating device. 1,866,688; July 12.
Willard, Charles T., Roselle, and R. Kaier, Cranford, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Metal treating furnace. 1,860,065; May 24.
Willard, Donald E. (See Blake, Dennis B. D., assignor.)
Willard, Donald E., Danville, Ill. Vehicle wheel. Des. 87,990; Oct. 18.
Willard, George T., Chicago, Ill. Railway tie plate. 1,854,497; Apr. 19.
Willard, Louis J., assignor to The Rotary Printing Company, Norwalk, Ohio. Apparatus for making manifold forms. 1,884,496; Dec. 27.
Willard, Robert E., assignor to The Briquet Engineering Company, Minneapolis, Minn. Binder and briquette and producing same. 1,869,083; July 26.
Willard, Robert E., assignor, by mesne assignments, to Briquet Engineering Company, Minneapolis, Minn. Making briquettes. 1,871,104; Aug. 9.
Willard Storage Battery Company. (See Codney, Arthur O., assignor.)
Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
Willard Storage Battery Company. (See Dunzweiler, C. J., and Lormor, assignors.)
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Willard Storage Battery Company. (See Patterson, William, assignor.)
Willard Storage Battery Company. (See Thompson, Henry G., assignor.)
Willard, Theodore A. (See de Loye, P., and Touzot, assignors.)
Willard, Waldo W., Schenectady, N. Y., assignor to General Electric Company, Circuit controlling apparatus. 1,888,099; Nov. 15.
Willat, Arnold F., San Rafael, and J. B. Dawson, San Francisco, Calif. Liquid heating and circulating device. 1,849,692; Feb. 16.
Willauer, Charles H., Richland Township, Bucks County, Pa. Feeder. 1,864,569; June 28.
Willauer, William R., Philadelphia, Pa., assignor to Marathon Paper Mills Company, Rothschild, Wis. Receptacle for frozen products. 1,863,736; June 21.
Willauer, William R., Philadelphia, Pa., assignor to The Menasha Products Company, Chicago, Ill. Carton. 1,877,213; Sept. 13.
Willauer, William R., Philadelphia, Pa., assignor to Marathon Paper Mills Company, Chicago, Ill. Adhesive. 1,883,209; Oct. 18.
Willby, Norman H. (See Austin, B. O., and Willby.)
Willcox, Dudley, Lawrenceville, N. J. Electric induction furnace. 1,859,419; May 24.
Willcox, George B. (See Chamberlain, Alfred L., assignor.)
Willcox, George C. (See Bebse, Joseph E., assignor.)
Willcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
Willcox & Gibbs Sewing Machine Company. (See Thompson, Reuben B., assignor.)
Willcox, Roderick H., assignor to Columbus Coated Fabrics Corporation, Columbus, Ohio. Display rack. 1,858,653; May 17.
Willcutt, William B., New York, and C. A. Sleicher, Troy, assignors to Vacuum Seal Company, Inc., New York, N. Y. Vacuum jar. 1,862,560; June 14.
Wile, Walter O., Waterloo, assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Lever stall. 1,853,327; Apr. 12.
Wile, Walter O., Waterloo, Iowa, assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Lever stall. 1,867,722; July 19.
Wile, Fredrik H., Chicago, Ill., assignor to A. M. Byers Company, Pittsburgh, Pa. Making wrought iron. 1,890,660; Dec. 13.
Willems, George L., New York, N. Y., assignor to Fifth Avenue Coach Company. Armored cashier's wicket structure. 1,885,165; Nov. 1.
Willenborg, Carl J., jr., assignor to United States Fire Protection Corporation, Hoboken, N. J. Draw-off valve. 1,884,458; Oct. 25.
Willens, George, Chicago, Ill. Combination clock and sign. 1,846,928; Feb. 23.
Willens, George, Chicago, Ill. Advertising clock. 1,846,929; Feb. 23.
Willens, George, Chicago, Ill. Advertising clock. 1,852,869; Apr. 5.
Willens, George, Chicago, Ill. Advertising clock. 1,863,366; Nov. 22.
Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Deep well strainer. 1,862,838; June 14.
Willerscheid, Theodor R., St. Paul, Minn. Sign. 1,846,173; Feb. 23.
Willerscheidt, Joseph. (See Kreuser, J. A., and Willerscheidt.)
Willet, William C., Glendale, Calif. Iceless cooler. Des. 87,035; May 24.
Willett, Wallace R., New York, N. Y., and H. E. Brown, assignors to American Cotton Picker Corporation, St. Louis, Mo. Cotton picker machine. 1,887,331; Nov. 15.
Willett, Wallace R., New York, N. Y., and H. E. Brown, St. Louis, Mo., assignors to American Cotton Picker Corporation, St. Louis, Mo. Guide mechanism for cotton pickers. 1,889,580; Nov. 29.
Willett, Alfred H., West Englewood, N. J., assignor to American Arch Company, New York, N. Y. Siphon arch brick. 1,850,062; Sept. 27.
Willett, Charles G. (See Dean, George E., assignor.)
Willett, Charles G. (See Dean, G. E., and Willett.)
Willett, Walter E., Cortland, N. Y. Lithic composition. 1,862,448; June 7.
Willetts, George H., Beaver Falls, Pa. Tourist table and support therefor. 1,880,621; Oct. 4.
Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Refractory for contact with molten glass. 1,858,317; May 17.
Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Making glass tank blocks and like refractories, and article made thereby. 1,859,227; May 17.
Willey, Charlotte F. (See Gordon, Joseph R., assignor.)
Willey, Daniel, Sulphur, Okla. Inkwell. 1,883,210; Oct. 18.
Willey, Leo C., Glendale, assignor of five per cent to Elsie M. Kramer, Los Angeles County, Calif. Backstop for automotive vehicles. 1,885,498; Nov. 1.
Willey, William E., Champaign, Ill. Permanent golf tee. 1,886,143; July 5.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,004; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,005; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,006; Oct. 18.

Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,007; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,008; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,009; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,010; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,011; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,012; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,013; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,014; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,015; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,016; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,017; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,018; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,019; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,020; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,021; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,022; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,023; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,024; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,025; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,026; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,028; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,029; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,030; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,031; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,032; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,033; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,034; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,035; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,036; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,037; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,038; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,039; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,040; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,041; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,042; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,043; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,044; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,045; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,046; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,047; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,048; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,049; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,050; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,051; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,052; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,053; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,054; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,055; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,056; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,057; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,058; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,059; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,060; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,061; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,062; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,063; Oct. 18.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,128; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,129; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,130; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,131; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,132; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,133; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,134; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,135; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,136; Oct. 25.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,186; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,187; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,188; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,189; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,190; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,191; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,192; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,193; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,194; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,195; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,196; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,197; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,198; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,199; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,200; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,202; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,203; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,204; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,210; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,211; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,212; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,213; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,214; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,215; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,216; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,217; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,218; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,219; Nov. 1.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,220; Nov. 8.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,277; Nov. 8.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,278; Nov. 8.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,279; Nov. 8.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,280; Nov. 8.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,332; Nov. 15.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,333; Nov. 15.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,334; Nov. 15.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,390; Nov. 22.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,391; Nov. 22.

Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,392; Nov. 22.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,448; Nov. 29.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,449; Nov. 29.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,450; Nov. 29.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,595; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,596; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,597; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,598; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,599; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,600; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,601; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,602; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,603; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,604; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,605; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,606; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,607; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,608; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,609; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,610; Dec. 6.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,699; Dec. 13.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,700; Dec. 13.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,721; Dec. 20.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,722; Dec. 20.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,837; Dec. 27.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,838; Dec. 27.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,839; Dec. 27.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,840; Dec. 27.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,841; Dec. 27.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,842; Dec. 27.
Willheim, William, New York, N. Y. Textile fabric or similar article. Des. 88,843; Dec. 27.
Willheim, William, (See Bridien, Ernand, assignor.
Willheim, William, Co. (See Brodsky, Michel, assignor.
Willheim, William, Co., Inc. (See Brown, Emma L., assignor.)
Willheim, William, Co., Inc. (See Christen, Marcel, assignor.)
Willheim, William, Co. (See Gottesman, Joseph M., assignor.)
Willheim, William, Co. (See Grulich, Anton, assignor.
Willheim, William, Co. (See Kaufman, Carl R., assignor.
Willheim, William, Co. (See Katzsch, Herbert, assignor.)
Willheim, William, Co., Inc. (See Kaufmann, Werner R., assignor.)
Willheim, William, Co. (See Kohut, Alexander, assignor.
Willheim, William, Co. (See Lesser, Paul, assignor.)
Willheim, William, Co. (See Lukas, Julia, assignor.)
Willheim, William, Co. (See Murray, Herman S., assignor.)
Willheim, William Co. (See Orkin, Ernest M., assignor.)
Willheim, William, Co. (See Passmeyer, John, assignor.)
Willheim, William, Co. (See Reiman, Paul, assignor.)
Willheim, William, Co. (See Roberson, Willard D., assignor.)
Willheim, William, Co. (See Rosenberg, Frederick, assignor.)
Willheim, William, Co. (See Schaetzel, François J., assignor.)
Willheim, William, Co. (See Schweizer, Jack, assignor.)
Willheim, William, Co. (See Shara, Frank, assignor.)
Willheim, William, Co. (See Vogelman, Philip A., assignor.)
William, Frank T., and H. E. Ellis, Meriden, assignors to The Miller Company, of Meriden, Conn. Heater. 1,873,695; Aug. 23.
Williams, A. C., Company, The. (See Heisler, C. A., and Fletcher, assignors.)
Williams, Alfred C., Deal, England. Gramophone. 1,883,841; Oct. 18.
Williams, Alfred O. (See Contois, E. J., and Williams.)
Williams, Alfred O., Battle Creek, assignor to Clark Tructractor Company, Buchanan, Mich. Coupler. 1,874,147; Aug. 30.
Williams, Alfred O., Battle Creek, assignor to Clark Tructractor Company, Buchauan, Mich. Trailer. 1,892,121; Dec. 27.
Williams, Arthur, assignor to American Throttle Company, Inc., New York, N. Y. Throttle valve operating means. 1,864,225; June 21.
Williams, Arthur F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Pulverizer. 1,887,366; Nov. 8.
Williams, Arthur L. (See Halliday, Alonzo L., assignor.)
Williams, Arthur S., Ithaca, N. Y. Apparatus for developing heat by electricity. 1,887,533; Nov. 15.
Williams, Audley O., Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, New York, N. Y. Making calcium carbide. 1,872,202; Aug. 16.
Williams Bakery, Inc., The. (See Hawks, Joseph W., assignor.)
Williams, Benjamin M., New Orleans, La., assignor to Robert Gaylord Incorporated, St. Louis, Mo. Carton. 1,889,581; Nov. 29.
Williams, Bertha I. (See Worley, jr., John, and Burke, assignors.)
Williams, Bradbury, McCalbe & Hinkle, et al. (See Anderson, Carlton.)
Williams, Carroll M., Swissvale, Pa. Collar button. 1,873,170; Aug. 23.
Williams, Charles C. (See Saunders, S. C., and Williams.)
Williams, Charles E., assignor to Planters Manufacturing Co. Inc., Portsmouth, Va. Basket fastener. 1,843,379; Feb. 2.
Williams, Charles E., assignor to General Motors Corporation, Detroit, Mich. Charge forming device. 1,874,401; Aug. 30.
Williams, Charles F., Belmont, assignor to Sherman Products Corporation, Boston, Mass. Unit formed of sheet material. 1,875,188; Aug. 30.
Williams, Charles Herbert. (See Green, T. L., and Williams.)
Williams, Charles L., assignor to The Wilton Wonder Oil Company, Ltd., Alhambra, Calif. One hand oil rifle. 1,869,784; July 12.
Williams, Charles W., Louisville, Ky. Air filter. 1,886,927; Nov. 8.
Williams, Chester I., assignor of one-half to Goodspeed Investment Company, Grand Rapids, Mich. Concrete form construction. 1,851,339; Mar. 29.
Williams, Clarence B., Santa Barbara, Calif. Windshield wiper. 1,857,419; May 10.
Williams, Clarence B., Santa Barbara, Calif. Windshield cleaner. 1,868,783; July 26.
Williams, Clarence P. (See Dooty, John R., assignor.)
Williams, Claude W., Pawhuska, Okla. Apparatus for cooling and ventilating automobiles. 1,842,137; Jan. 19.
Williams Company, The. (See Martin, Elmer R., assignor.)
Williams Company, The. (See Robbins, William H., assignor.)
Williams, David E., St. Paul, Minn. Automatic watering valve. 1,867,691; July 19.
Williams, Davis S., Los Angeles, Calif. Toy. 1,872,544; Aug. 16.
Williams, Dayton L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for and method of building pneumatic tire flaps. 1,857,994; May 10.
Williams, Edward T., Pelham Manor, New Rochelle, N. Y. Water cooler drip basin. 1,844,709; Feb. 9.
Williams, Edward T., Pelham Manor, N. Y. Refrigeration. 1,873 519; Aug. 23.
Williams, Edward T., New Rochelle, N. Y. Refrigeration. 1,873,237; Aug. 23
Williams, Elizabeth T., executrix. (See Williams, George A.)
Williams, Estelle P. (See Williams, Villor P., assignor.)
Williams, Eugene B., Fort Pierce, Fla. Gyroscopic instrument. 1,891,856; Dec. 20.
Williams, Eugene F. (See McInerny, R. J., Williams, and Glaze.)
Williams, Evart V., Chicago, Ill. Vulcanizable rubber compound. 1,844,306; Feb. 9.
Williams, Floyd G., Jackson, Mich. Free wheeling device. 1,841,234; Jan. 12.
Williams, Forrest L., assignor to Williams Manufacturing Company, Portsmouth, Ohio. Buckle. 1,856,447; May 3.
Williams, Francis C., San Francisco, Calif. Barrel steamer and drier. 1,839,628; Jan. 5.
Williams, Frank D., Los Angeles, Calif. Printing motion pictures. 1,861,515; June 7.
Williams, Frank L., assignor to American Tool and Machine Company, Hyde Park, Mass. Brake. 1,863,779; June 21.
Williams, Frank M., Watertown, N. Y. Suction box dresser. 1,869,789; Aug. 2.
Williams, Fred, St. Joseph, Mich. Winding device. 1,881,805; Oct. 4.
Williams, Fred L., Denver, Colo., assignor to The American Rolling Mill Company, Middletown, Ohio. Spiral pipe machine. 1,868,039; July 19.
Williams, Frederick J. (See Cameron, W. McC., and Williams.)
Williams, Frederick J. (See Platt, H., Whitehead, and Williams.)

Williams, Frederick J., and R. Robinson, Cumberland, Md., assignors to Celanese Corporation of America. Method of and apparatus for winding yarn. 1,884,943; Oct. 25.

Williams, George A., deceased; E. T. Williams, executrix, assignor to Williams Sealing Corporation, Decatur, Ill. Cap for receptacle. 1,871,851; Aug. 16.

Williams, George A., and F. T. Eades, assignors to Williams Sealing Corporation, Decatur, Ill. Sealing machine. 1,871,955; Aug. 16.

Williams, George E., assignor to Transue and Williams Steel Forging Corporation, Alliance, Ohio. Conveyer chain. 1,871,140; Aug. 9.

Williams, George K., Fort Pirie, South Australia, Australia. Apparatus for use in the refining of lead bullion and similar operations. 1,856,678; May 3.

Williams, George N. (See Kellogg, C. A., and Williams).

Williams, George W., assignor to Continental Steel Corporation, Kokomo, Ind. Machine for securing wire fabric to gate frames. 1,847,155; Mar. 1.

Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Machine for manufacturing leadhead nails. 1,874,678; Aug. 30.

Williams, George W., deceased; P. Williams, executrix, Temple, Tex. Turret type hangar for airplanes. 1,855,534; Apr. 26.

Williams, George W., Burlingame, Calif. Building form. 1,887,668; Nov. 15.

Williams, Grace, et al. (See Bledsoe, Calvin H., assignor.)

Williams, Harold W. (See James, H. D., and Williams.)

Williams, Harold W., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Push button switch for elevators. 1,839,629; Jan. 5.

Williams, Harold W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,844,534; Feb. 9.

Williams, Harold W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for elevators. 1,858,283; May 17.

Williams, Harold W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,871,353; Aug. 9.

Williams, Harrison R., Glens Falls, N. Y. Wire covered roll. 1,841,999; Jan. 19.

Williams, Harrison R., Glens Falls, N. Y. Paper machinery. 1,842,889; Jan. 26.

Williams, Harrison R., Glens Falls, N. Y. Sanitary napkin. 1,882,309; Oct. 11.

Williams, Harrison R., New York, N. Y. Paper making machine. 1,855,435; Apr. 26.

Williams, Harrison R., New York, N. Y. Valve bag closure. 1,861,995; June 7.

Williams, Harrison R., New York, N. Y. Paper drying section. 1,874,439; Aug. 30.

Williams, Harry E., Olean, N. Y. Matrix assembly for typesetting machines. 1,886,772; Nov. 8.

Williams, Harry K., and S. Hancock, Portland, Oreg. Variable speed hydraulic power transmission mechanism. 1,840,268; Jan. 5.

Williams, Harry M., and V. W. Bihlman, Dayton, Ohio, assignors to General Motors Research Corporation. Apparatus for comminuting metals. 1,856,679; May 3.

Williams, Harry M., Dayton, Ohio, and A. L. Boegehold, assignors to General Motors Research Corporation, Detroit, Mich. Dynamo brush. 1,856,680; May 3.

Williams, Henry R. (See Ladd, J. W., and Williams.)

Williams, Herbert H., assignor, by mesne assignments, to Metropolitan Engineering Corporation, Brooklyn, N. Y. Axle housing. 1,880,305; Oct. 4.

Williams, Horace B., Chicago, Ill. Rail bender. 1,868,556; July 26.

Williams, Horace V., Philadelphia, Pa. Jar and closure therefor. 1,842,226; Jan. 19.

Williams, Ira J., et al., receivers. (See Cramer, J., and Sherr, assignors.)

Williams, Ira and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Improving aging qualities of rubber and resulting product. 1,875,903; Sept. 6.

Williams, Irving B., Tulsa, Okla. Method and apparatus for producing oil. 1,884,459; Oct. 25.

Williams, Jacques E. B., assignor to Noburn Products Inc., New York, N. Y. Hair straightening device. 1,861,040; May 31.

Williams, James C., assignor to Westcott Hosiery Mills, Dalton, Ga. Process and machine for making knitted fabrics. 1,870,701; Aug. 9.

Williams, James F., Lyndhurst, N. J., assignor to General Motors Corporation, Detroit, Mich. Centerless grinding machine. 1,882,465; Oct. 11.

Williams, J. H., & Co. (See Kress, Willard C., assignor.)

Williams, James H., Providence, R. I., assignor to Detroit Trust Company, Detroit, Mich. Motion transmitting device. 1,875,537; Sept 6.

Williams, James R., assignor to H. M. Sheer Company, Quincy, Ill. Damper control for house heating systems. 1,839,630; Jan. 5.

Williams, Jesse, Charles City, Iowa. Remote control attachment for tractors. 1,849,562; Mar. 15.

Williams, Jesse Monroe, Mich. Polishing device for rolls. 1,880,622; Oct. 4.

Williams, Jewell R., assignor to Apparatus Design Company, Little Rock, Ark. Radio tube tester. Des. 88,220; Nov. 1.

Williams, John, Philadelphia, Pa. Composite piston ring. 1,842,553; Jan. 26.

Williams, John C., assignor to H. H. Meredith, Oakland, Calif. Flexible joint. 1,884,944; Oct. 25.

Williams, Joan D. (See Lasater, Joseph D., assignor.)

Williams, John D., Niles, Ohio. Apparatus for pickling. 1,853,888; Apr. 12.

Williams, John J. (See Brady, H. S., and Williams.)

Williams, John M., jr., Woodbury, N. J. Internal combustion engine. 1,854,285; Apr. 19.

Williams, John T. (See Butler, A. J., and Williams.)

Williams, John W., U. S. Army, Tampa, Fla. Gauge. 1,888,416; Nov. 22.

Williams, Joseph. (See Hughes, Kenneth, assignor.)

Williams, Joseph, jr., Pittsburgh, Pa. Gas gun. 1,877,710; Sept. 13.

Williams, Joseph A. (See Karkau, Albert G., assignor.)

Williams, Joseph H., Saginaw, Mich. Facing tool. 1,884,460; Oct. 25.

Williams, Josh F., assignor of one-half to D. Buck, Lexington, Miss. Automobile lift. 1,890,963; Dec. 13.

Williams, Josiah N., Landgraff, W. Va., assignor of one-half to L. C. Wingate, Independence, Va. Attachment for motion picture projecting machines. 1,849,926; Jan. 12.

Williams, Judson, Philadelphia, Pa. Piston and ring assembly. 1,841,772; Jan. 19.

Williams, Judson, Philadelphia, Pa. Piston and ring assembly. 1,877,106; Sept. 13.

Williams, Latham S., et al. (See Mikkelsen, Michael C., assignor.)

Williams, Laurence, Syracuse, N. Y. Combined clock and lamp stand. Des. 86,589; Mar. 22.

Williams, Lawrence S., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Font of type. Des. 86,068; Jan. 3.

Williams, Lawrence S., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Total load recording scale. 1,864,570; June 28.

Williams, Lawrence S., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Dashpot for weighing scales. 1,864,787; June 28.

Williams, Leo C. (See Brackett, F. M., and Williams.)

Williams, Leo C. (See Brackett, F. M., Williams, and Dancke.)

Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Vehicle drawbar. 1,849,260; Mar. 15.

Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Temporary load support for semitrailers. 1,891,517; Dec. 20.

Williams, Lewis S., Berrien Springs, Mich. Folding table. 1,890,710; Dec. 13.

Williams, Louis N. D. (See Butz, Walter D., assignor.)

Williams, Louis N. D., Ogontz, Pa., assignor to Scott and Williams, Incorporated, New York, N. Y. Transfer mechanism for circular knitting machines. 1,891,537; Dec. 20.

Williams Manufacturing Company. (See Williams, Forrest L., assignor.)

Williams, Marion R. (See Omer, H. F., and Williams.)

Williams, Mark B., Plainview, Tex. Tractor or automotive vehicle automatic guide. 1,888,021; Nov. 15.

Williams Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)

Williams, Orr H., Columbus, Ohio. Closure for conduits. 1,851,939; Mar. 29.

Williams, Orr H., Columbus, Ohio. Closure for conduits and the like. 1,851,940; Mar. 29.

Williams, Othneil G. (See Thompson, N. F., jr., and Williams.)

Williams Oven Mfg. Co. (See Elliott, Erwin, assignor.)

Williams Patent Crusher and Pulverizer Company. (See Estes, Burr M., assignor.)

Williams Patent Crusher and Pulverizer Company. (See Williams, Arthur F., assignor.)

Williams, Paul. (See Lambert, E. H., Skinner, Geertz, and Williams.)

Williams, Paul F., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Electrical connecting device. 1,840,072; Jan. 5.

Williams, Pauline, executrix. (See Williams, George W., jr.)

Williams, Pearson F., assignor to G & W Electric Specialty Co., Chicago, Ill. Pothead device. 1,859,249; May 17.

Williams, Peter A., White Plains, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Broaching tool. 1,880,623; Oct. 4.

Williams, Philip S. (See Johnson, S. P., and Williams.)

Williams, Ralph S., Goleta, Calif. Fastener. 1,849,700; Mar. 15.

Williams, Raymond A., Arlington, Mass. Pin setting device for bowling alleys. 1,852,870; Apr. 5.

Williams, Rees K., Baltimore, Md. Helicopter. 1,869,453; Aug. 2.

Williams, Richard J., Virginia, Minn. Safety latch-mine skip. 1,842,854; Jan. 26.

Williams, Richard N., Norfolk, Va. Airplane. 1,845,466; Feb. 16.

Williams, Robert G., Toledo, Ohio. Flash light lantern. Des. 88,205; Nov. 1.

Williams, Robert L., Newton, assignor to Submarine Signal Corporation, Boston, Mass. System and apparatus for submarine signaling. 1,833,433; Oct. 18.

Williams, Robert R., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor. 1,840,377; Jan. 12.

Williams, Roger, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for effecting syntheses. 1,845,068; Feb. 16.

Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Guy fixture for poles. Reissue. 17,401; Apr. 26.

Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Guy fixture for poles. 1,805,584; Apr. 26.

Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Highway guard fence. 1,864,159; June 21.

Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Highway guard fence. 1,864,160; June 21.

Williams, Roy C., Wayne, Ohio. Brooder. 1,885,499; Nov. 1.

Williams, Samuel L., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia brake device. 1,860,401; May 31.

Williams Sealing Corporation. (See Blanch, Eric A., assignor.)

Williams Sealing Corporation. (See Hazenfield, Ernie F., assignor.)

Williams Sealing Corporation. (See Williams, George A., assignor.)

Williams Sealing Corporation. (See Williams, G. A., and Eales, Agnes.)

Williams, Selden T., Forest Hills, N. Y., assignor, by mesne assignments, to General Electric Company. Impression backer attachment and removal mechanism. 1,875,306; Aug. 30.

Williams, Selden T., Forest Hills, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Streamline wire separator. 1,886,072; Nov. 1.

Williams, Stanley V. (See Marris, C. C., Polgreen, and Williams.)

Williams, Stephen L., assignor to Extruded Metal Products Company, Bridgeport, Ohio. Pickling apparatus. 1,881,357; Oct. 4.

Williams, Theron H., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,839,364; Jan. 5.

Williams, Thomas H., Cicero, Ill. Lamp socket. 1,865,347; June 28.

Williams, Thomas H., Cuyahoga Falls, assignor to National Rubber Machinery Company, Akron, Ohio. Masticator. 1,869,833; Aug. 2.

Williams, Thomas S., Dallas, Tex. Doorcheck. 1,843,352; Feb. 2.

Williams, Todd P. Houston, Tex., assignor to Texas Iron Works Sales Corporation. Tongs. 1,855,143; Apr. 19.

Williams Tool Corporation. (See Metz, Henry R., assignor.)

Williams, Victor S., London, England. Casting machine. 1,877,944; Sept. 20.

Williams, Villor P., assignor, by mesne assignments, to E. P. Williams, Baltimore, Md. System of lubrication. 1,847,322; Mar. 1.

Williams, Villor P., assignor, by mesne assignments, to E. P. Williams, Baltimore, Md. Preventing leakage of oil. 1,847,793; Mar. 1.

Williams, Villor P., assignor, by mesne assignments, to Estelle P. Williams, Baltimore, Md. Universal joint with shroud. 1,891,858; Dec. 20.

Williams, Walter W., Plainfield, N. J., assignor to Byrnes, Townsend & Potter, Washington, D. C. Fractional distillation process and apparatus. 1,866,142; Nov. 1.

Williams, Walter W., Woodhaven, N. Y. Apparatus for and method of handling films or other articles. 1,842,890; Jan. 26.

Williams, Walter W., Woodhaven, N. Y. Apparatus for and method of handling photographic prints or negatives. 1,863,132; June 14.

Williams, Walter W., Bloomington, Ill. Electrically operated motor and controlling means therefor. 1,882,466; Oct. 11.

Williams, Walter W., Bloomington, Ill. Fuel and air control. 1,886,998; Nov. 8.

Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Domestic refrigerating mechanism. 1,842,357; Jan. 19.

Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Control mechanism. 1,845,823; Feb. 16.

Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Electric control system. 1,846,437; Mar. 22.

Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Safety mechanism for fuel burning devices. 1,855,159; Apr. 19.

Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Electrically operated refrigerating unit. 1,855,160; Apr. 19.

Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Making mixed oil gas and producer gas. 1,865,664; July 5.

Williams, Walter W., assignor to W. Oil-O-Matic Heating Corporation, Bloomington, Ill. Electrically operated and controlled oil burning mechanism. 1,888,060; Nov. 15.

Williams, Ward, Braudon, Wis. Electric motor. 1,890,800; Dec. 13.

Williams, Warren K., Cuyahoga Falls, Ohio, assignor of twenty-four and one-half one-hundredths to E. J. Henle, Los Angeles, Calif., and fifty-one one-hundredths to L. A. Vaughan, Cuyahoga Falls, Ohio. Stencil printing mechanism. 1,840,073; Jan. 5.

Williams, William D., Duluth, Minn. Fence post. 1,868,357; July 26.

Williams, William D., F. Czemba, H. W. Wilson, and H. H. Lumley, Duluth, Minn. Combination steel fence line post and snow fence post. 1,852,910; Apr. 5.

Williams, William E., Harrisville, Mo., assignor of one-half to D. T. Hulse, De Queen, Ark. Corner fastening means. 1,870,157; Aug. 2.

Williams, William E., San Francisco, Calif., assignor to Ditto, Incorporated, Chicago, Ill. Gelatin pad copying machine. 1,862,616; June 14.

Williams, William Evan, Bromley, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Directional aerial for transmission and reception of electromagnetic waves. 1,867,953; July 19.

Williams, William F., assignor to Quality Mattress Company, Rochester, N. Y. Stabilizer for glider seats. 1,885,663; Nov. 1.

Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Making aromatic amino compounds. 1,840,760; Jan. 12.

Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Flake ortho-phenyl phenol. 1,847,583; Mar. 1.

Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Hydrated phenyl phenate product. 1,878,082; Sept. 20.

Williams, William J., assignor to Motor Devices, Inc., Chicago, Ill. Automotive electrical system. 1,878,051; Sept. 20.

Williams, William L. S., assignor to Hawaiian Cane Products, Ltd., Hilo, Hawaii. Treating bagasse. 1,847,050; Feb. 23.

Williams, Winfield S., Chicago, Ill. Anchoring device. 1,843,963; Jan. 19.

Williams, Zebulin D., Unionville, N. C. Wheeled gang plow. 1,840,549; Jan. 12.

Williamson, Albert S., and Breen, Henry, assignor.)

Williamson, Arba G., Carnegie, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train control system. 1,856,822; May 3.

Williamson, Arba G., Carnegie, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train control system. 1,866,070; July 5.

Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Track circuit system. 1,866,144; July 5.

Williamson, Bert R., Waterville, Me., assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Machine for packaging pie plates and similar articles. 1,871,765; Aug. 16.

Williamson, Charles, Perth Amboy, N. J. Submarine apparatus. 1,866,438; July 5.

Williamson, Claude G., Bluefield, W. Va. Towing device. 1,845,859; Feb. 16.

Williamson, Edward. (See Butterfass, Carl W., assignor.)

Williamson, Edward B., Petersburg, Va. Structural joint. 1,868,523; Nov. 22.

Williamson, Edwin O., assignor to The Eastern Machine Screw Corporation, New Haven, Conn. Self-opening die head. 1,846,296; Feb. 23.

Williamson, Ethel H., St. Louis, Mo. Detachable soap tray. 1,848,450; Mar. 8.

Williamson, George E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,850,979; Mar. 22.

Williamson, Kenneth T., and O. I. Seaverson, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Battery charging apparatus. 1,861,516; June 7.

Williamson, Larkin R., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Hydraulic control for power transmission mechanism. 1,869,084; July 26.

Williamson, Larkin R., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Fluid pressure control device. 1,869,085; July 26.

Williamson, Larkin R., assignor to The Toledo Machine and Tool Company, Toledo, Ohio. Lubricating system. 1,885,500; Nov. 1.

Williamson Manufacturing Company. (See Ingersoll, Homer H., assignor.)

Williamson, Newton S., Borger, Tex. Engine draining apparatus. 1,866,739; July 12.

Williamson, Peter, jr., Everett, Mass. Measuring device. 1,870,393; Aug. 9.

Williamson, Raymond H., Scotia, N. Y., assignor to General Electric Company. Rectification of alternating current. 1,874,840; Aug. 30.

Williamson, Robert B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Induction-synchronous motor system. 1,860,489; May 31.

Williamson, Robert B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine ventilation. 1,873,989 ; Aug. 30.

Williamson, Robert C., Doncaster, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for cutting flat glass. 1,855,078 ; Apr. 19.

Williamson, Robert L. (See Hoelscher, W. G., and Williamson.)

Williamson, Stanley J., Belmont, assignor to American Rubber Company, East Cambridge, Mass. Rubberized fabrics. 1,870,863 ; Aug. 9.

Williford, Edward A., Lakewood, Ohio., assignor to National Carbon Company, Inc. Mounting for arc lamps. 1,847,609 ; Mar. 1.

Willig, Bruno W., deceased ; M. Willig, executrix, San Angelo, Tex. Scarifier. 1,863,780 ; June 21.

Willig, Mary, executrix of Willig, Bruno W.)

Willinder, Nils O., Jamserum, Sweden. Date indicating or registering apparatus. 1,866,071 ; July 5.

Willinger, John J., St. Paul, Minn. Fishing bait. 1,870,273 ; Aug. 9.

Willings, Joseph B., Oil City, Pa. Adjustable tractor. 1,854,461 ; Oct. 25.

Willis, Alfred B., Penzance, England. Extracting broken screws, nails, and the like. 1,848,590 ; Mar. 8.

Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Lockout party-line telephone system. 1,850,192 ; Mar. 22.

Willis, Charles C., assignor to John Waldron Corporation, New Brunswick, N. J. Method of and apparatus for folding napkins. 1,874,728 ; Aug. 30.

Willis, Charles M., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 1,873,802 ; Aug. 23.

Willis, Hubert J., Richmond, Va. Navigating instrument. 1,845,860 ; Feb. 16.

Willis, Ferguson E., Detroit, Mich. Brake. 1,867,392 ; July 12.

Willis, Glenn H., Akron, assignor to The Tanselb Company, Barberton, Ohio. Sheet material and making same. 1,881,137 ; Oct. 4.

Willis, Le Roy W., Stamford, Conn., assignor to Intertype Corporation, Brooklyn, N. Y. Keyboard for typographical machines. 1,866,987 ; June 21.

Willis, Le Roy W., Stamford, Conn., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix assembler. 1,866,748 ; June 28.

Willis, Le Roy W., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Line casting machine. 1,874,731 ; Aug. 30.

Willis, Lewis C. (See Lofland, Alfred M., assignor.)

Willis, Orvis C. (See Cox, O., and Willis.)

Willis, Paul. (See Wheeler, C. W., and Willis.)

Willis, Roy D., Bigpine, Calif. Fish screen. 1,875,790 ; Sept. 6.

Willis, Sanford L., assignor to Corning Glass Works, Corning, N. Y. Composite drum for oil heaters and cooking stoves. 1,851,994 ; Apr. 5.

Willison John, Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism for car couplers. 1,873,092 ; Aug. 23.

Willison, Walter W., Brooklyn, N. Y. Making pure orange juice having the desired degree of orange flavor and color. 1,818,760 ; Mar. 8.

Williston, Samuel H. (See Nichols, C. R., and Williston.)

Williston, Samuel H., et al. (See Nichols, Ralph M., assignor.)

Willman, George J., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Holding means for glass globes. 1,889,720 ; Nov. 29.

Willmore, Charles B., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Bus bar joint. 1,863,429 ; June 14.

Willmott, Frederick T., Evesham, England. Covering of optical cases. 1,842,925 ; Jan. 26.

Willmott, John A., Montclair, N. J., assignor to L. Farber, Yonkers, N. Y. Holder. Des. 87,496 ; Aug. 2.

Willoughby, John A., Cambridge, Mass. High power tube system. 1,874,679 ; Aug. 30.

Willoughby, John A., Cambridge, Mass. Combined oscillator and modulator system. 1,884,945 ; Oct. 25.

Willoughby, Lively Lee, assignor to Ballard & Ballard Company, Louisville, Ky. Packeting dough. Re18,426 ; Apr. 19.

Willoughby, Percival N. Broadstone, Dorset England. Flying machine. 1,881,008 ; Oct. 4.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,864,571 ; June 28.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,864,572 ; June 28.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,864,573 ; June 28.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,876,185 ; Sept. 6.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank car twin tank construction. 1,876,186 ; Sept 6.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,876,187 ; Sept. 6.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Dome head arrangement for car tanks. 1,876,188 ; Sept. 6.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Multiunit tank car. 1,876,189 ; Sept 6.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Multiple unit tank car. 1,876,190 ; Sept. 6.

Wills, Christian A. (See Block, F., and Wills.)

Wills, Victor W., Philadelphia, Pa. Pipe supporter. 1,883,178 ; Oct. 18.

Willsea, Jasper B., and T. A. Kennedy, assignors to Wilsea Works, Rochester, N. Y. Furnace. 1,880,624 ; Oct. 4.

Willsea Works. (See Willsea, J. B., and Kennedy, assignors.)

Willshaw, Harry, assignor to Dunlop Rubber Company Limited, Birmingham, England. Manufacture of pneumatic tire casings and apparatus therefor. 1,891,489 ; Dec. 20.

Willshaw, Harry, and T. Norcross, Erdington, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Mold for tires and annular articles. 1,868,959 ; July 26.

Willshaw, Harry, Sutton Coldfield, and L. S. Blanchard, Hamstead, Birmingham, England, assignors to Dunlop Rubber Company Limited. Apparatus for removing flexible cores such as air-bags from tire covers. 1,871,642 ; Aug. 16.

Willshaw, Harry, Wylde Green, S. N. Goodhall, Marston Green, and C. Follies, Birmingham, assignors to Dunlop Rubber Company Limited, Erdington, Birmingham, England. Method and apparatus for treating strings or strands. 1,871,766 ; Aug. 16.

Willshaw, Harry, W. G. Gordon, and R. F. Lee, Birmingham, England, assignors to American Anode, Incorporated, New York, N. Y. Pumping of rubber latex and the like and apparatus therefor. 1,891,220 ; Sept. 20.

Willshaw, Harry, Wylde Green, and W. A. Cowles, and H. Smith, Birmingham, assignors, by direct and mesne assignments, of one-half to Dunlop Rubber Company Limited, and one-half to Francis Shaw and Company, Limited, Manchester, England. Apparatus for making the foundation of pneumatic tires. 1,892,624 ; Dec. 27.

Willsie, Henry E., New York, N. Y. Refrigerating box. 1,854,089 ; Apr. 12.

Willsie, Henry E., New York, N. Y., assignor to The Union Trust Company, Cleveland, Ohio. Refrigerating apparatus and control therefor. 1,870,431 ; Aug. 9.

Willson, Clarence A., Madison, Wis., assignor, by mesne assignments, to American Brick Research Corporation. Facing for wall building blocks. 1,844,828 ; Feb. 9.

Willson, Corwin D., Lake Orion, Mich. Building construction. 1,884,462 ; Oct. 25.

Willson, James, Cleveland, Ohio. Pneumatic sealing and air pressure device. 1,843,532 ; Feb. 2.

Wilson Products, Inc. (See Shindel, Harry F., assignor.)

Willumsen, Oscar, Ocean Park, Calif. Air vent for dispensing containers. 1,855,373 ; Apr. 26.

Willwerscheid, Theodor R., Cleveland, Ohio. Reflecting button for sign. 1,863,819 ; June 21.

Willwerscheid, Theodor R., Cleveland, Ohio. Sign. 1,863,955 ; June 21.

Willwerscheid, Theodor R., Lakewood, assignor to Western Stamping and Manufacturing Company, Cleveland, Ohio. Highway sign. 1,861,072 ; May 31.

Willwerscheid, Theodore R., Rocky River, and H. B. Dayton, Para Heights, Ohio. Driving head for support posts. 1,875,687 ; Sept. 6.

Willys-Overland Company, The. (See Baker, Arthur J., assignor.)

Willys-Overland Company, The. (See Darnell, Rex C., assignor.)

Willys Overland Company, The. (See Edwards, Henry J., assignor.)

Willys-Overland Company, The. (See Finch, Ora F., assignor.)

Willys-Overland Company, The. (See Fisher, Walter S., assignor.)

Willys-Overland Company, The. (See Flogaus, Howard A., assignor.)

Willys-Overland Company, The. (See Grimm, George E., assignor.)

Willys-Overland Company, The. (See Hunt, Warren T., assignor.)

Willys-Overland Company, The. (See Lozier, William V., assignor.)

Willys-Overland Company, The. (See Marshall, Charles O., assignor.)

Willys-Overland Company. (See O'Brien, Arthur J., assignor.)

Wilmart, Pierre, Brussels, Belgium. Stabilizer for motor vehicles. 1,866,958 ; July 12.

Wilmeth, Estel E., San Benito, Tex. Highway striping machine. 1,844,732 ; Feb. 9.

Wilmeth, Estel E., San Benito, Tex. Roadway crack and joint filler. 1,880,625 ; Oct. 4.

Wilmeth, Roscoe H., assignor to Sangamo Electric Company, Springfield, Ill. Electric clock. 1,872,377; Aug. 16.

Wilmot, Fred W., Long Beach, Calif., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Wheel rim. 1,848,284; Mar. 8.

Wilmoth, William F., Philadelphia, Pa. Pug mill for preparing asphalt paving mixtures. 1,880,626; Oct. 4.

Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Electrical control apparatus. 1,839,038; Jan. 5.

Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Switch. 1,844,490; Feb. 9.

Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Overload relay. 1,844,491; Feb. 9.

Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Overload relay. 1,844,492; Feb. 9.

Wilms, Henry F., Cleveland, Ohio, assignor to Industrial Brownhoist Corporation, Bay City, Mich. Concrete mixer. 1,858,160; Nov. 15.

Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)

Wilsdorf, Hans, Geneva, Switzerland. Winding and setting device for timepieces. 1,871,936; Aug. 16.

Wilsey, Harry E., Miami, Ariz. Rotary engine. 1,880,224; Oct. 4.

Wilsey, Iven H., Chicago, Ill. Laundry machine. 1,846,664; Feb. 23.

Wilshire, Van Hamm, assignor to The Specialty Papers Company, Dayton, Ohio. Method and apparatus for waxing paper. 1,866,689; July 12.

Wilson, Alfred E., London, England. Making composite tubular members. 1,866,145; July 5.

Wilson, Alfred B., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,865,549; July 5.

Wilson, Alfred B., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,882,212; Oct. 18.

Wilson, Alfred R., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,883,213; Oct. 18.

Wilson, Allen B. (See MacChesney, C. M., and Wilson.)

Wilson, Allen B., Chicago, Ill. Harrow. 1,884,463; Oct. 25.

Wilson, Allen B., assignor to Acme Steel Company, Chicago, Ill. Conveyer form chain. 1,863,177; June 14.

Wilson, Allen R., Lansdowne, Pa., Robert Seeman, Merrick, and M. Hallen, Long Island City, N. Y. Repairing flange angles. 1,858,159; May 17.

Wilson, Amanda E., Glen Ellyn, Ill. Door control mechanism. 1,886,999; Nov. 8.

Wilson, Amyuit L., and S. H. Hulse, Elizabeth, N. J., assignors to Standard Oil Development Company. Centrifugal liquid and gas separator. 1,878,052; Sept. 20.

Wilson, Andrew G., Westminster, London, England. Change speed gear box. 1,858,191; May 17.

Wilson, Arthur B., Perryburg, Ohio. Scarifying tooth. 1,859,350; May 24.

Wilson, Axel F., Bellingham, Wash. Counterbalanced pavement traffic signal. 1,845,774; Feb. 16.

Wilson-Bohannan Company, The. (See Kleeck, Augustus V., assignor.)

Wilson, Brayton F., Cambridge, Mass. Aeroplane. 1,885,571; Nov. 1.

Wilson, Broadus, Raleigh, N. C. Curtain plaiting and hanging device. 1,882,549; Oct. 11.

Wilson Brothers Bobbin Company. (See Bone, Kenneth S. C., assignor.)

Wilson, Caesar L., Dassel, Minn. Holder for cows' tails. 1,861,651; June 7.

Wilson, Carl B., Denver, Colo. Oil burner. 1,876,877; Sept. 6.

Wilson, Charles A., Euclid, Ohio. Bushing remover and replacer. 1,863,956; June 21.

Wilson, Charles H., Oakland, Calif. Game piece. 1,891,130; Dec. 13.

Wilson, Charles H., Pelham, assignor to Wilson Mechanical Instrument Co. Inc., New York, N. Y. Hardness testing gauge. 1,885,972; Nov. 1.

Wilson, Charles H., Pelham, assignor to Wilson Mechanical Instrument Co. Inc., New York, N. Y. Test piece support for hardness testers. 1,890,923; Dec. 13.

Wilson & Company. (See Bone, John F., assignor.)

Wilson, Cyril J., Edgbaston, Birmingham, assignors to Associated Ice & Dairies Limited, Manchester, England. Production of paper or like cartons or receptacles. 1,870,977; Aug. 9.

Wilson, David, New York, N. Y. Door latch for motor vehicles. 1,873,803; Aug. 23.

Wilson, Donald. (See Carlson, W. L., and Wilson.)

Wilson, Donald P., assignor to L. M. Decker Co., Omaha, Nebr. Washing machine drive. 1,853,482; Apr. 12.

Wilson, Earl D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light-sensitive device. 1,884,464; Oct. 25.

Wilson, Edward, St. Louis, Mo. Compressor or pump. 1,843,747; Feb. 2.

Wilson, Edward, St. Louis, Mo. Compressor or pump. 1,878,744; Sept. 20.

Wilson, Edward W., assignor to Nashua Sure-Hold Company, Nashua, N. H. Shirt envelope. 1,840,146; Jan. 5.

Wilson, Edward W., assignor to Nashua Sure-Hold Company, Nashua, N. H. Collar supporter. 1,876,814; Sept. 13.

Wilson, Edwin B., Forest Hills, and N. J. Resseter, Flushing, assignors to Design Laboratories, Incorporated, New York, N. Y. Ornamental objects. 1,883,214; Oct. 18.

Wilson, Ellis L., San Anselmo, Calif. Door latch. 1,858,608; May 17.

Wilson, Ellsworth M., Montclair, assignor to Wilson-Imperial Company, Newark, N. J. Brushing device for cat cushion cleaning machines. 1,886,571; Nov. 15.

Wilson, Elmer E., Santa Clara, Calif. Bait container and cutting board. 1,857,072; May 3.

Wilson, Emery J., Cleveland, assignor to The Theu Shovel Company, Lorain, Ohio. Back digger swinging dipper type. 1,849,550; Jan. 12.

Wilson, Emery J., Cleveland, assignor to The Theu Shovel Company, Lorain, Ohio. Traction mechanism. 1,852,197; Apr. 5.

Wilson, Ernest H. (See Anthony, M. S., and Wilson.)

Wilson, Ernest H., Hastings, Fla. Mechanism for attaching potato diggers to a tractor. 1,869,641; Aug. 2.

Wilson, Ethan A., assignor to The Wilson Plush Manufacturing Corporation, Philadelphia, Pa. Process of and gauge for weaving pile fabrics. 1,848,069; Mar. 1.

Wilson, Evan G., Otterden, near Liverpool, England. Machine for rolling and finishing leather. 1,858,424; May 17.

Wilson, Ezekiel J., East Greenbush, assignor to F. C. Huyck & Sons, Albany, N. Y. Loom. 1,880,183; Sept. 27.

Wilson, Frank C., Arcade, N. Y. Safety device for hydraulic mechanisms. 1,880,627; Oct. 4.

Wilson, Frank D., Oak Park, Ill. Carton. 1,876,120; Sept. 6.

Wilson, Fred D., Harvey, assignor to Austin Manufacturing Co., Chicago, Ill. Cleaning mechanism for material elevators. 1,843,009; Jan. 26.

Wilson, George, Newcastle-on-Tyne, and J. H. Moore, Gateshead, England. Spragging device for motor vehicles. 1,848,761; Mar. 8.

Wilson, George D. (See Paterson, J. C., and Wilson.)

Wilson, George F., and F. J. Shook, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for wrapping tires. 1,876,815; Sept. 13.

Wilson, George W., jr., Elkins, W. Va. Windshield cleaner. 1,840,341; Jan. 12.

Wilson, Grace E., Wichita, Kans. Structure simulating an owl. 1,876,121; Sept 6.

Wilson, H. A., Company, The. (See Waltenberg, R. G., Holbrook, and Brenner, assignors.)

Wilson, H. E., Company, The. (See Wilson, Herbert E., assignor.)

Wilson, Harry W. San Francisco, Calif. Paper shredding and crimping machine. 1,866,690; July 12.

Wilson, Harry W., Stoughton, Mass. Heading nails and tacks. 1,860,628; May 31.

Wilson, Henry W. (See Williams, W. D., Czemba, Wilson, and Lumley.)

Wilson, Henry W., Duluth, Minn. Fence post. 1,859,688; May 24.

Wilson, Herbert E., assignor to The H. E. Wilson Company, Inc., Astrim, N. H. Lug strap holder. 1,878,221; Sept. 20.

Wilson, Herbert S., and A. E. Fohn, assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety device. 1,883,248; Oct. 18.

Wilson, Hugh, Grand Junction, Colo., and J. H. Thayer, Salt Lake City, Utah. Lubricating device for friction bearings. 1,879,723; Sept. 27.

Wilson-Imperial Company. (See Wilson, Ellsworth M., as signor.)

Wilson, Ira J. (See Johnson, Martin E., assignor.)

Wilson, Jack, assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Brake mechanism. 1,859,906; May 24.

Wilson, Jacob E., Yoncalla, Oreg. Dialing appliance. 1,889,393; Nov. 29.

Wilson, James Stevenson. (See Wylam, Birkett, and Wilson, assignors.)

Wilson, James S., and J. Thomas, assignors to Scottish Dyes, Limited, Greenock, Scotland. Dyeing cellulose acetate. 1,886,441; Nov. 8.

Wilson, John, Belfast, Northern Ireland, assignor of one-half to H. W. Batkin and one-half to H. S. Morris. Frees, Whitchurch, Salop, England. Drinking vessel for animals. 1,841,866; Jan. 19.

Wilson, John A. (See Beadle, L. C., Sutterfield, and Wilson.)

Wilson, John D., Ballston, and B. F. Pickett, Wytheville, Va. Windshield cleaner. 1,847,802; Mar. 1.

Wilson, John F. (See Crum, L. V., and Wilson.)

Wilson, John L., Brooklyn, N. Y. Stability meter for ships and other movable bodies. 1,860,344; May 24.

Wilson, John L., Brooklyn, assignor to Stability Meter Corporation, New York, N. Y. Indicating metacentric height. 1,859,546; May 24.

Wilson, John L., Brooklyn, assignor to Stability Meter Corporation, New York, N. Y. Apparatus for determining metacentric height. 1,860,345; May 24.

Wilson, John N., Washington, Pa., assignor to Simplex Engineering Company. Furnace port. 1,873,093; Aug. 23.

Wilson-Jones Company. (See Buenger, Edward, assignor.)

Wilson-Jones Company. (See Buenger, Edward F., assignor.)

Wilson-Jones Company. (See Clark, William A., assignor.)

Wilson-Jones Company. (See Davison, James H., assignor.)

Wilson-Jones Company. (See Dawson, George H., assignor.)

Wilson Jones Company. (See Gideon, Victor W., assignor.)

Wilson-Jones Company. (See Hunter, Frank R., assignor.)

Wilson-Jones Company. (See Irving, Clarence E., assignor.)

Wilson Jones Company. (See McCleary, Henry R., assignor.)

Wilson-Jones Company. (See Potts, John, assignor.)

Wilson-Jones Company. (See Rupf, Frank E., assignor.)

Wilson-Jones Company. (See Unger, Paul O., assignor.)

Wilson, Joseph A., assignor to The American Rolling Mill Company, Middletown, Ohio. Magnetic arc control. 1,854,383; Apr. 19.

Wilson, Joseph C., assignor to The Crystal Tissue Company, Middletown, Ohio. Flat sheet dispensing package. 1,885,001; Nov. 1.

Wilson, Kenneth M., et al. (See Lascelles, W. J., Peterson, Scott, and Wilson.)

Wilson, Leon W., Clarkson, N. J., assignor to American Telephone and Telegraph Company. Testing apparatus. 1,856,202; May 3.

Wilson, Le Roy. (See Whipple, G. E., and Wilson.)

Wilson, Lyman A., and J. Johnson, New York, N. Y. Apparatus for sound reproduction with articulate motion picture films. 1,871,643; Aug. 16.

Wilson, Lyndon F. (See McCoy, Verl E., assignor.)

Wilson, Mack, Woodside, N. Y. Material handling device. 1,885,312; Nov. 1.

Wilson Mechanical Instrument Co. Inc. (See Wilson, Charles H.)

Wilson Mechanical Instrument Co. Inc. (See Wilson, Charles H., assignor.)

Wilson, Mercer D., assignor to Standard Crossing Gate Corporation, Phoenix, Ariz. Crossing signal. 1,890,352; Dec. 6.

Wilson, Milton E. (See Powell, E., and Wilson.)

Wilson, Moses W. H., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Tail stock. 1,856,145; May 3.

Wilson, Moses W. H., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Variable speed surfacing machine. 1,864,226; June 21.

Wilson, Oscar F., assignor to S. S. Rooks, Humboldt, Tenn. Folding package. 1,869,291; July 26.

Wilson, Orkney F., and N. B. Rooks, Humboldt, Tenn.; said Wilson assignor to said Rooks. Folding package. 1,869,292; July 26.

Wilson, Parker F., Wheeling, W. Va. Metal working. 1,852,765; Apr. 5.

Wilson, Perry W. (See Woodruff, J. C., and Wilson.)

Wilson, Peter F., Clearlake, Wash. Pressure retaining valve. 1,892,261; Dec. 27.

Wilson Plush Manufacturing Corporation, The. (See Wilson, Ethan A., assignor.)

Wilson, Ralph W. (See Most, Lucifer J., assignor.)

Wilson, Ray C. (See Arnold, H. S., and Wilson.)

Wilson, Richard C., Miami, Fla. Automatic safety landing reversing propeller. 1,886,278; Nov. 1.

Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Automobile or aeroplane fuel tank breather. 1,841,691; Jan. 19.

Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Storage of hydrocarbon oils. 1,859,322; May 24.

Wilson, Robert E., assignor to Standard Oil Company (Indiana), Chicago, Ill. Furnace structure. 1,871,937; Aug. 16.

Wilson, Robert E., assignor to Standard Oil Company (Indiana), Chicago, Ill. Concentration of caustic soda. 1,883,211; Oct. 18.

Wilson, Robert L. (See Melville, H. J., and Wilson.)

Wilson, Ronald M., Wayne, Pa., assignor, by mesne assignments, to The Huffman Manufacturing Company. Pipe closure. 1,841,511; Jan. 19.

Wilson, Russell C., Detroit, Mich. Portable step for a ladder. 1,890,763; Dec. 13.

Wilson, Samuel A., assignor to Mechanical Development Company, Detroit, Mich. Shock absorber. 1,850,030; Sept. 27.

Wilson-Snyder Manufacturing Company. (See Shimer, John M., assignor.)

Wilson Stove & Manufacturing Company. (See Schott, Charles G., assignor.)

Wilson, Theodore R., Pashastin, Wash., assignor of one-third to R. Walker, Piedmont, one-third to H. E. Kennedy, Berkeley, and one-third to Clinton L. Walker, Piedmont, Calif. Uniform compression internal-combustion engine. Re18,595; Sept. 13.

Wilson, Thomas C., Incorporated. (See Young, James H., assignor.)

Wilson, Thomas C., Fort Mill, S. C., assignor to Draper Corporation, Hopedale, Mass. Thread cutting temple for looms. 1,845,352; Feb. 16.

Wilson, Thomas, & Co. Inc. (See Molitor, Charles B. J., assignor.)

Wilson, Thomas H., assignor, by mesne assignments, to Viber Company, Limited, Los Angeles, Calif. Method and apparatus for coating pipe with plastic composition. 1,888,101; Nov. 15.

Wilson, Walter G., Westminster, England. Adjustment for brake and clutch mechanism. 1,854,358; Apr. 19.

Wilson, Walter G., London, England. Actuation of brake bands, reaction bands for epicyclic gearing or any lever actuation of parts. 1,854,359; Apr. 19.

Wilson Welder & Metals Company. (See Churchward, Alexander, assignor.)

Wilson-Western Sporting Goods Company. (See Bartky, Walter, assignor.)

Wilson-Western Sporting Goods Company. (See Ewell, James C., assignor.)

Wilson-Western Sporting Goods Company. (See Jansky, Charles G., assignor.)

Wilson-Western Sporting Goods Co. (See Turner, Archibald J., assignor.)

Wilson, Will F. (See Pengilly, J. H., and Wilson.)

Wilson, William, assignor to Chrysler Corporation, Detroit, Mich. Prevent reverse rotation of rotary members. 1,872,545; Aug. 16.

Wilson, William B., Los Angeles, assignor, by mesne assignments, to Klox Corporation, Ltd., Manhattan Beach, Calif. Display device. 1,885,973; Nov. 1.

Wilson, William C., assignor to Cellovis, Inc., Chicago, Ill. Low viscosity nitrocellulose and making the same. 1,883,215; Oct. 18.

Wilson, William D., Memphis, Tenn. Locking means for cotton gin presses. 1,892,495; Apr. 5.

Wilson, William D., Memphis, Tenn. Distributor for cotton gins. 1,864,388; June 21.

Wilson, William H., Brewickley, Pa. Upholstery suspending means. 1,856,681; May 3.

Wilson, William H., Los Angeles, Calif. Clip. 1,859,946; May 24.

Wilson, William H., Chicago, Ill. Necktie stretcher. 1,864,705; June 28.

Wilson, William J., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Hinge. 1,868,126; July 19.

Wilson, William L. B., San Francisco, Calif. Pressure equalizer and damper control for oil burners. 1,855,505; Apr. 26.

Wilson, William W., Los Angeles, Calif. Pipe rotating apparatus. 1,864,389; June 21.

Wilson, Wylie G., Elizabeth, N. J. Joint structure for pipes and the like. 1,851,143; Mar. 29.

Wilson, Wylie G., Elizabeth, N. J. Fluid tight joint and method of making. 1,855,433; Aug. 23.

Wilson, Wylie G., Elizabeth, N. J. Valve and the like. 1,878,222; Sept. 20.

Wilt, Hinton, Detroit, Mich. Traction device. 1,882,467; Oct. 11.

Wilt, Colin D. (See Berlin, M. H., Barber, and Wilt.)

Wilt, Elmer E., Chicago, Ill. Bracket for clothes hangers. 1,889,582; Nov. 29.

Wilt, Wakfield M. (See Hupp, Charles A., assignor.)

Wilton, Thomas O., assignor to The Chemical Engineering and Wilton's Patents Furnace Company Limited, London, England. Apparatus for treating gases with liquids. 1,867,932; July 19.

Wilton Wonder Oil Company Ltd. (See Williams, Charles L., assignor.)

Wiltse, Sumner, Detroit, Mich., assignor, by mesne assignments, to Enver Appliance Company. Pump mechanism. 1,881,012; Oct. 4.

Wil-X-M'fg Corporation. (See Wilbur, Peter L., assignor.)

Wily, James H., Bethlehem, Pa. Tool handle connection. 1,853,186; Apr. 12.

Wily, James H., Bethlehem, Pa. D-handle. 1,853,187; Apr. 12.

Wily, James H., Bethlehem, Pa. Top. 1,872,203; Aug. 16.

Wily, James H., Bethlehem, Pa. Roller coaster toy. 1,872,204; Aug. 16.

Wimmer, Edward J., Manhattan, Kans. Drip pan for toilet tanks. 1,863,211; June 14.

Wimmer, Heinrich, Nuremberg, Germany. Mechanically operated toy figure. 1,886,442; Nov. 8.

Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Door buffer and retainer. 1,865,404; June 28.

Winans, Daniel M., assignor to Daniel M. Winans Corporation, Binghamton, N. Y. Can opener. 1,870,938; Aug. 9.

Winans, Daniel M., Corporation. (See Winans, Daniel M., assignor.)

Winberg, William, East Elmhurst, N. Y. Separable fastener or closure device. 1,855,272; Apr. 26.

Winchell, Arthur B. (See Johnson, L. E., Winchell, Hardick, and Billig.)

Winchester, F. Earl, and E. B. Thomas, Connersville, Ind. Vehicle brake. 1,881,009; Oct. 4.

Winchester, John J., Winchester, and A. A. Fragopulos, Boston, Mass. Silica wash and making the same. 1,856,526; May 3.

Winchester Repeating Arms Company. (See Carmichael, James H., assignor.)

Winchester Repeating Arms Company. (See Dickerman, John W., assignor.)
Winchester Repeating Arms Company. (See Hammond, Charles F., assignor.)
Winchester Repeating Arms Company. (See Kelley, George H., assignor.)
Winchester Repeating Arms Company. (See Lane, Leavitt J., assignor.)
Winchester Repeating Arms Company. (See McNutt, Joseph D., assignor.)
Winchester Repeating Arms Company. (See Smith, Philip A., assignor.)
Winchester Repeating Arms Company. (See Stiennon, Louis, assignor.)
Winckler, Augo E., Milwaukee, Wis. Internal combustion engine. 1,875,838; Sept. 6.
Winckler, Gunnar A. F. (See Hollnagel, H. P., and Winckler.)
Winckler, Gunnar A. F., Worcester, Mass., assignor to General Electric Company. Composite silica article. 1,858,341; Nov. 22.
Windaus, Adolf, Gottingen, Germany. Antirachitic preparation and making same. 1,873,942; Aug. 23.
Windecker, Frederick, Fort Lee, N. J. Cover-locking and drive-controlling means for mixing and analogous machines. 1,874,402; Aug. 30.
Winder, Joseph Z. (See Ball, H. C., Jackson, Keller, and Winder.)
Winder, Joseph Z., assignor to Richmond Fireproof Door Company, Richmond, Ind. Electromechanical interlock mechanism. 1,857,227; May 10.
Winder, Samuel E., Chicago, Ill. Cone discharging apparatus. 1,842,812; Jan. 26.
Winders, Robert C., Los Angeles, Calif. Spring assemblies. 1,853,247; Apr. 12.
Winding Gulf Collieries. (See Jones, Emory E., assignor.)
Windisch, Gabriele, Kapellen-on-the-Muerz, Austria. Penholder. 1,846,238; Feb. 23.
Windmoller & Hoischer G. m. b. H. (See Dambacher, Xaver, assignor.)
Windsor, Charles H., Palmyra, N. J. Sanitary basin. 1,881,010; Oct. 4.
Windsor, H., Company Limited. (See Thursby, Sidney, assignor.)
Windsor, John F., assignor, by mesne assignments, to Clayton Mark & Company, Chicago, Ill. Welding apparatus. 1,853,635; Apr. 25.
Windsor, John F., assignor, by mesne assignments, to Clayton Mark & Company, Chicago, Ill. Welding apparatus. 1,854,666; Oct. 25.
Windsor, John F., assignor, by mesne assignments, to Clayton Mark & Company, Chicago, Ill. Means to reduce the burrs of welded metal tubing. 1,854,467; Oct. 25.
Wine, Peter, et al. (See Gillin, Theobold, assignor.)
Wine, Mary C., New York, N. Y. Adjustable reading support for chairs. 1,886,509; Nov. 8.
Wine Railway Appliance Company. (See Anderson, Emil C., assignor.)
Wine Railway Appliance Company. (See Hankins, Cyrus, assignor.)
Wine, William E. (See Pilcher, J. A., and Wine.)
Wine, William E., Toledo, Ohio. Railway car. 1,840,421; Jan. 12.
Wine, William E., Toledo, Ohio. Railway car. 1,840,422; Jan. 12.
Wine, William E., Toledo, Ohio. Railway car. 1,840,423; Jan. 12.
Wine, William E., Toledo, Ohio. Car door mechanism. 1,846,576; Feb. 23.
Wine, William E., Toledo, Ohio. Railway car. 1,850,525; Mar. 22.
Wine, William E., Toledo, Ohio. Railway car. 1,851,656; Mar. 29.
Wine, William E., Toledo, Ohio. Railway car. 1,851,995; Apr. 5.
Wine, William E., Toledo, Ohio. Railway car. 1,853,248; Apr. 12.
Wine, William E., Toledo, Ohio. Railway car. 1,855,079; Apr. 19.
Wine, William E., Toledo, Ohio. Railway car. 1,855,080; Apr. 19.
Wine, William E., Toledo, Ohio. Ventilator for cars. 1,857,681; May 10.
Wine, William E., Toledo, Ohio. Railway car. 1,861,730; June 7.
Wine, William E., Toledo, Ohio. Railway hopper car. 1,862,781; June 14.
Wine, William E., Toledo, Ohio. Railway hopper car. 1,863,262; June 14.
Wine, William E., Toledo, Ohio. Railway car. 1,866,740; July 12.
Wine, William E., Toledo, Ohio. Railway car. 1,866,741; July 12.
Wine, William E., Toledo, Ohio. Cross bearer for freight cars. 1,880,629; Oct. 4.
Wine, William E., Toledo, Ohio. Intermediate side stake for freight cars. 1,883,434; Oct. 18.
Wine, William E., Toledo, Ohio, and Byers W. Kadel, Baltimore, Md. Car door mechanism. 1,867,789; July 19.
Wine, William E., Toledo, Ohio. Railway car. 1,885,502; Nov. 1.
Winegar, Edmund M. (See Fleming, J. R., and Winegar.)
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Dislodging device. 1,844,946; Oct. 25.
Wines, Fred B., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automative vehicles. 1,859,482; May 24.
Wines, Fred B., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automative vehicles. 1,876,268; Sept. 6.
Wines, Fred B., assignor to Tropic-Aire Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,880,630; Oct. 4.
Wing Aeronautical Corporation. (See Schwarz, Alfred, assignor.)
Wing, Charles C. (See Campbell, B. G., and Wing.)
Wing, Clarence G., Cleveland Heights, assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 57,140; June 7.
Wing, Roy E., Highland Park, Mich. Automatic control for internal combustion engine fuel supply means. 1,853,950; Apr. 12.
Wingate, Letcher C. (See Williams, Josiah N., assignor.)
Winger, Stover C., Los Angeles, Calif. Quick acting mechanism. 1,872,251; Aug. 16.
Winger, Stover C., Los Angeles, assignor of forty per cent to H. C. Lanpher, Beverly Hills, and twenty per cent to B. B. Roberts, Los Angeles, Calif. Clutching device. 1,878,053; Sept. 20.
Wingert, William B. (See McCloskey, G. E., and Wingert.)
Wingert, William B., Detroit, Mich., assignor to Semet-Solvay Company, New York, N. Y. Direct recovery of ammonium sulphate from bot gas. 1,880,631; Oct. 4.
Winget, Earl T., Minneapolis, Minn. Lay-figure for demonstrating garments. 1,850,366; Mar. 22.
Winget Limited. (See Martinez, H., and Kirk, assignors.)
Wingler, August. (See Schulemann, Mietzsch, and Wingler.)
Wingler, August. (See Schulemann, W., Schönhöfer, and Wingler.)
Wingo, William W., S. R. Smedley, and P. C. Babb, Poteau, Okla. Safety gas lighter. 1,887,794; Nov. 15.
Winkelman, Charles M., assignor to Belden Manufacturing Company, Chicago, Ill. Protective casing for electric coils. 1,853,649; Apr. 12.
Winkelmann, Herbert A., assignor to The Philadelphia Rubber Works Company, Akron, Ohio. Pine tar product and making same. 1,841,235; Jan. 12.
Winkelmann, Herbert A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter and making same. 1,890,924; Dec. 13.
Winkie, Hallock L., Milwaukee, Wis. Hand operated snow shovel and ice chopper for cleaning pavements. 1,839,285; Jan. 5.
Winkler, Alfred, and M. Dunnebier, Neuwied, Germany. Machine for the manufacture of loosely folded envelopes. 1,842,926; Jan. 26.
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Process and apparatus for the separation of folded or individual sheets. 1,875,189; Aug. 30.
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Feeding apparatus. 1,877,107; Sept. 13.
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany, assignors to Baltimore Paper Company, Kansas City, Mo. Method of and apparatus for the manufacture of flat bags and envelopes. 1,884,468; Oct. 25.
Winkler, Alfred, Pforzheim, Germany. Method and apparatus for galvanizing fancy chains and the like. 1,858,277; May 10.
Winkler, Carl, Bern, Switzerland. Matrix molding press. 1,866,830; July 12.
Winkler, Carl J., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Packing for rotating shafts. 1,859,012; May 17.
Winkler, Frederic C., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Lighting apparatus. 1,878,084; Sept. 20.
Winkler, Fritz. (See Mittasch, A., Frankenburger, and Winkler.)
Winkler, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of water gas. 1,857,799; May 10.
Winkler, Fritz, C. Messerknecht, and P. Feiler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing fuel gas. 1,840,649; Jan. 12.
Winkler, Fritz, and H. Haeuber, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of valuable hydrocarbons. 1,868,127; July 19.
Winkler, Josef. (See Von Piotrowski, W., and Winkler, assignors.)
Winkler, Karl. (See Pier, M., Wietzel, and Winkler.)
Winkler, Karl. (See Pier, M., Winkler, and Wissel.)
Winkler, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of liquid hydrocarbons. 1,863,215; June 14.
Winkler, Kaspar, Zurich, Switzerland. Manufacturing concrete. 1,891,701; Dec. 20.
Winkler, Kurt, Frankenthal/Pfalz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Centrifugal multistage mixing apparatus. 1,865,991; July 5.

Winkler, Richard G., Springfield, Mass. Razor. 1,875,538; Sept. 6.
Winkley, Erastus E., Lynn, Mass. Speed control mechanism. 1,858,654; May 17.
Winkley, Erastus E., Lynn, Mass. Speed controlling mechanism. 1,872,378; Aug. 16.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tension device for sewing machines. 1,850,611; Mar. 22.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon sheet material. 1,884,947; Oct. 25.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and system for tempering materials. 1,891,274; Dec. 20.
Winkley, Frank D., Madison, Wis. Transplanting machine. 1,886,457; Nov. 8.
Winn, John Albert, Salem, Ark. Sectional mattress. 1,885,974; Nov. 1.
Winn, William E., Dallas, Tex., assignor, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 1,859,426; May 24.
Winna Manufacturing Corporation. (See Marsa, Melchor, assignor.)
Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,862,354; June 7.
Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. Control system for rolling mills. 1,871,437; Aug. 16.
Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,886,773; Nov. 8.
Winnett, J. W. G. (See Webster, Hugh G., assignor.)
Winnewisser, Emil G., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Reversible pressing element for pressing machines. 1,852,496; Apr. 5.
Winning, Carl Elizabeth, N. J., assignor to Standard Oil Development Company. Gauge device. 1,870,884; Aug. 9.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Friction detent for control rods. 1,875,791; Sept. 6.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Control rod housing. 1,878,357; Sept. 20.
Winning, Robert K., Wauwatosa, Wis., assignor, by mesne assignments, to The Pullman Company, Chicago, Ill. Permutation lock. 1,888,647; Nov. 22.
Winograd, Harold. (See Marti, O. K., Winograd, and Seidel.)
Winograd, Harold, Collingswood, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rectifying system. 1,854,606; Apr. 19.
Winogradow, Alexander, New York, N. Y. Manufacture of glued materials. 1,841,564; Jan. 19.
Winquist, Victor H., assignor to Mill Engineering and Supply Company, Seattle, Wash. Outfeed carriage. 1,892,497; Dec. 27.
Winsborough, Paxson assignor to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Radiator. Des. 86,551; Mar. 15.
Winseman, William J., Brooklyn, N. Y. Rumble seat. 1,885,975; Nov. 1.
Winship, Emory. (See Knight, George D., assignor.)
Winship, Ralph B., Montreal, Quebec, Canada. Car roof. 1,891,741; Dec. 20.
Winslow, Charles A., Vallejo, Calif. Air cleaners, crankcase ventilating means, and the like. 1,856,527; May 3.
Winslow, Charles A., Vallejo, Calif. Lubricating system for hydrocarbon engines and the like. 1,892,443; Dec. 27.
Winslow, Charles A., Oakland, Calif. Air cleaner and the like. 1,898,513; Nov. 22.
Winslow, Lenna R., Miami, Fla. Elevator. 1,859,483; May 24.
Winsor, Irwin B., Tulsa, Okla. Electromagnetic pump. 1,840,994; Jan. 12.
Winsor, Irwin B., and M. A. Deal, Tulsa, Okla., said Deal assignor to said Winsor. Electromagnetic motor. 1,840,993; Jan. 12.
Winsor, Philip H., Lodi, Calif. Dispensing device. 1,847,000; Jan. 19.
Winston, Arthur W., and I. A. Kenaga, assignors to The Dow Chemical Company, Midland, Mich. Making magnesium sulphate. 1,865,224; June 28.
Winston, Harry C., assignor to Everlastik, Inc., Chelsea, Mass. Elastic fabric. 1,873,094; Aug. 23.
Winston and Newell Company. (See Harrison, Thomas G., assignor.)
Wintemberg, Adelbert C., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle underframe. 1,865,448; July 5.
Winter, Carl, Dresden, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Plug-in device. 1,870,762; Aug. 9.
Winter, Carl A., Inglewood, Calif. Membership roster or similar article. Des. 87,948; Oct. 11.
Winter, Charles, Chicago, Ill. Windshield wiper. 1,860,971; May 31.
Winter, Ernst, Nijmegen, assignor to Naamlooze Vennootschap Splendor Gloeilampenfabriek Splendor Lampworks, Nijmegen, Netherlands. Incandescent cathode for thermionic tubes and manufacturing same. 1,867,959; July 19.
Winter, Ernst, Cologne-on-the-Rhine-Braunsfeld, and A. Grimm, assignors to Aktiengesellschaft fur Stickstoffdunger, Knapsack, near Cologne-on-the-Rhine, Germany. Preparing acetic anhydride. 1,865,405; June 28.
Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Electrical relay. 1,873,950; Aug. 30.
Winter, Fred W., Chicago, Ill. Combination hand saw. 1,884,469; Oct. 25.
Winter, Gerhard, Vienna, Austria. Manufacturing stapledriving punches. 1,887,979; Nov. 8.
Winter, Harry J., London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure braking apparatus for vehicles. 1,887,572; Nov. 15.
Winter, Henry A., Denver, Colo. Chain run for vehicles. 1,850,867; Mar. 22.
Winter, Joseph M. (See Gannon, James E.)
Winter, Joseph W., Penfield, assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Refrigerating apparatus. 1,857,105; May 3.
Winter, Joseph W., Penfield, assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Refrigerating apparatus. 1,884,470; Oct. 25.
Winter, Joseph W., Penfield, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,892,602; Nov. 15.
Winter, Leonard W., Bluebell Hill, near Rochester, England. Landing and beaching gear for aircraft. 1,876,158; Sept. 6.
Winter, Ramsay M., Norton-on-Tees, assignor to Imperial Chemical Industries, Limited, London, England. Production of carbon and hydrogen chloride. 1,891,859; Dec. 20.
Winter, Walter, Osborne, Kans. Corner guide for brick laying. 1,872,861; Aug. 23.
Winter, William F., Jr., Schenectady, N. Y., assignor to General Electric Company. Cathode for electric discharge devices. 1,891,744; Dec. 13.
Winterbotham, Agnes, New Bedford, Mass. Shoulder strap. 1,842,927; Jan. 26.
Winterburn, Read, Los Angeles, assignor to Shell Oil Company, San Francisco, Calif. Core-catching device. 1,876,379; Sept. 6.
Wintercorn, Andrew F., Rockford, assignor to Henney Motor Company, Freeport, Ill. Cot fastener for ambulances. 1,859,484; May 24.
Winterer, Frank J., and A. E. Hogrebe, assignors to Box Crane & Hoist Corporation, Philadelphia, Pa. Safety lowering device. 1,860,375; May 31.
Winterhalter, Arthur F. (See Hammers, W. J., and Winterhalter.)
Winterhalter, Martin, Halle/Saale, Germany. Sliding lock for garments and the like. 1,849,897; Mar. 15.
Winterhoff, Adolf, Barmen-2, Germany. Casing for ball valves. 1,861,674; June 7.
Wintermute, Harry A. (See Meston, A. F., and Wintermute.)
Wintermute, Harry A., Plainfield, and C. W. J. Hedberg, Middlesex, N. J., assignors to Research Corporation, New York, N. Y. Apparatus for electrical precipitation. 1,868,022; Nov. 22.
Winters, Alexander F., Grand Rapids, assignor to Winters & Crampton Manufacturing Company, Grandville, Mich. Bottle opener. 1,853,274; Apr. 12.
Winters & Crampton Mfg. Co. (See Ekman, Andrew, assignor.)
Winters & Crampton Mfg. Co. (See Geske, C., and Ekman, assignors.)
Winters & Crampton Manufacturing Company. (See Winters, Alexander F., assignor.)
Winters, Frank. (See Lewis, George H., assignor.)
Winters, Frank A., Astoria, N. Y. Watch supporting bracket. 1,853,483; Apr. 12.
Winters, Harry J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic needle motion for Axminster looms. 1,847,584; Mar. 1.
Winther, Anthony, Kenosha, Wis., assignor to The Winther Company, Wilmington, Del. Clutch. 1,849,212; Mar. 15.
Winther Company, The. (See Winther, Anthony, assignor.)
Winther Company, The. (See Winther, Martin P., assignor.)
Winther, Martin P., Chicago, Ill., assignor to The Winther Company, Wilmington, Del. Power transiator 1,848,081; Mar. 1.
Winthrop Chemical Company. (See Albert, August, assignor.)
Winthrop Chemical Company. (See Benda, L., and Siever, assignors.)
Winthrop Chemical Company. (See Berendes, R., and Mietzsch, assignors.)
Winthrop Chemical Company. (See Blum, Ferdinand, assignor.)
Winthrop Chemical Company. (See Bollmann, Martin, assignor.)
Winthrop Chemical Company. (See Callsen, Jurgen, assignor.)
Winthrop Chemical Company. (See Fehrle, Alfred, assignor.)

Winthrop Chemical Company. (See Günzler, H., and Moré, assignors.)
Winthrop Chemical Company. (See Hahl, Hans, assignor.)
Winthrop Chemical Company. (See Knorr, A., and Weissenborn, assignors.)
Winthrop Chemical Company. (See Koenigs, E., and Greiner, assignors.)
Winthrop Chemical Company. (See Lautenschläger, Carl L., assignor.)
Winthrop Chemical Company. (See Lautenschläger, C. L., Ludwig, and Schaumann, assignors.)
Winthrop Chemical Company. (See Marx, K., and Wesche, assignors.)
Winthrop Chemical Company. (See Mauss, Hans, assignor.)
Winthrop Chemical Company. (See Mayer, Felix, assignor.)
Winthrop Chemical Company. (See Mietzsch, Fritz, assignor.)
Winthrop Chemical Company. (See Mietzsch, F., and Klös, assignors.)
Winthrop Chemical Company. (See Neubert, Oskar, assignor.)
Winthrop Chemical Company. (See Ossenbeck, A., Tietze, and Hecht, assignors.)
Winthrop Chemical Company. (See Pfannenstiel, Adolf, assignor.)
Winthrop Chemical Company. (See Reddelien, G., and Lange, assignors.)
Winthrop Chemical Company. (See Ripke, Otto, assignor.)
Winthrop Chemical Company. (See Schmidt, Hans, assignor.)
Winthrop Chemical Company. (See Schmidt, W., and Hartmuth, assignors.)
Winthrop Chemical Company. (See Schönhöfer, Fritz, assignor.)
Winthrop Chemical Company. (See Schranz, K., and Jaeger, assignors.)
Winthrop Chemical Company. (See Schranz, K and Lutter, assignors.)
Winthrop Chemical Company. (See Schranz, K., and Muller, assignors.)
Winthrop Chemical Company. (See Schulemann, W., Mietzsch, and Wingler, assignors.)
Winthrop Chemical Company. (See Schulemann, W., and Schönhöfer, assignors.)
Winthrop Chemical Company. (See Schulemann, W., Schonhofer, and Wingler, assignors.)
Winthrop Chemical Company. (See Stauf, F. W., and Hagenbeck, assignors.)
Winthrop Chemical Company. (See Stolz, Friedrich, assignor.)
Winthrop Chemical Company. (See Straus, F., and Kollek, assignors.)
Winthrop Chemical Company. (See Streitwolf, K., Fehrle, Herrn, and Fyrtzsche, assignors.)
Winthrop Chemical Company. (See Taube, C., and Kükenthal, assignors.)
Winthrop Chemical Company. (See Walz, E., and Ambros, assignors.)
Winthrop Chemical Company, Inc. (See Bockmühl, M., Ehrhart, and Stein, assignors.)
Winthrop Chemical Company, Inc. (See Eisleb, Otto, assignor.)
Winthrop Chemical Company, Inc. (See Gunther, F., Vierling, and Pungs, assignors.)
Winthrop Chemical Company, Inc. (See Hecht, G., Ossenbeck, and Tietze, assignors.)
Winton Engine Corporation, The. (See Salisbury, Carl D., assignor.)
Winton, Henry D., Wellesley, assignor to Hersey Manufacturing Company, South Boston, Mass. Meter register. 1,861,517; June 7.
Wintron, Lewis B., Greenwich, Conn., assignor, by mesne assignments, to American Sealcone Corporation, New York, N. Y. Opening containers. 1,849,261; Mar. 15.
Wintron, Lewis B., Greenwich, Conn., assignor to The Brown Instrument Company, Philadelphia, Pa. Manometer. 1,860,759; May 31.
Wintrich, Evelyn, New York, N. Y. Textile fabric or the like. Des. 88,701; Dec. 13.
Wintrich, Evelyn, New York, N. Y. Textile fabric or the like. Des. 88,702; Dec. 13.
Wintrich, Evelyn, New York, N. Y. Textile fabric or the like. Des. 88,703; Dec. 13.
Wintringham, William T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Frequency stabilizing system. 1,889,083; Nov. 29.
Wintringham, William T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Variable gain circuit device. 1,891,297; Dec. 20.
Wintroath, John A., Los Angeles, Calif. Impeller-positioning device. 1,863,215; June 14.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Vertical lined shaft oiling device. 1,844,617; Feb. 9.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Pump construction for turbine irrigation pumps. 1,844,618; Feb. 9.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Combination automatic compensating bearing and stuffing box for turbine pumps. 1,844,619; Feb. 9.
Wintroath, John A., assignor of one-half to E. M. Smith, Los Angeles, and one-half to Wintroath Pumps, Ltd., Alhambra, Calif. Bearing structure for deep well turbine pumps. 1,844,620; Feb. 9.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Hydraulic method of carrying the down-thrust of a deep-well turbine pump. 1,844,621; Feb. 9.
Wintroath, John A., Los Angeles, Calif., assignor of one-half to E. M. Smith, Los Angeles, Calif., and one-half to Wintroath Pumps, Ltd., Alhambra, Calif. Turbine pump structure. 1,844,622; Feb. 9.
Wintroath, John A., Los Angeles, assignor of one-half to E. M. Smith, Los Angeles, and one-half to Wintroath Pumps Ltd., Alhambra, Calif. Deep well turbine pump having separate means for carrying hydrostatic loads. 1,844,829; Feb. 9.
Wintroath, John A., Los Angeles, Calif., assignor of one-half to E. M. Smith, Chicago, Ill., and one-half to Wintroath Pumps Ltd., Alhambra, Calif. Deep well turbine pump having means for locating impellers. 1,844,830; Feb. 9.
Wintroath, John A., Los Angeles, Calif., assignor of one-half to E. M. Smith, Chicago, Ill., and one-half to Wintroath Pumps, Ltd., Alhambra, Calif. Deep well turbine pump having means for removing stretch from pump shafts and for lubricating bottom bearings. 1,844,831; Feb. 9.
Wintroath, John A., Los Angeles, Calif., assignor of one-half to Peerless Pump Company, Los Angeles, Calif. Clutch device for locating impellers in pump bowls. 1,844,832; Feb. 9.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Self adjusting shaft bearing. 1,847,369; Mar. 1.
Wintroath, John A., Los Angeles, assignor to Wintroath Pumps, Ltd., Alhambra, Calif. Pump having wire cable for driving motor. 1,858,810; May 17.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Adjustable spider for deep well turbine pumps. 1,863,213; June 14.
Wintroath, John A., Los Angeles, assignor to Wintroath Pumps, Ltd., Alhambra, Calif. Improved impeller positioning device. 1,863,214; June 14.
Wintroath Pumps Ltd. (See Wintroath, John A., assignor.)
Wintzer, Rudolph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Connecting rod. 1,845,467; Feb. 16.
Winzeler, Henry S., assignor to Ohio Art Company, Bryan, Ohio. Memorandum calendar. 1,880,165; Sept. 27.
Winzenburg, Wilhelm, Dresden-Laubegast, assignor to Zeiss Ikon, Aktiengesellschaft Dresden, Dresden, Germany. Portable sound film projector. 1,864; Sept. 27.
Wippermann, Erich, Hagen-Delstern, Germany. Piston internal combustion engine with cylinder stars arranged one behind the other in a common frame. 1,878,561; Sept. 20.
Wired Radio, Inc. (See Cassell, Joseph L., assignor.)
Wired Radio, Inc. (See Chromy, Ben J., assignor.)
Wired Radio, Inc. (See Crossley, Alfred, assignor.)
Wired Radio, Inc. (See Culver, Charles A., assignor.)
Wired Radio, Inc. (See Dawson, Chester L., assignor.)
Wired Radio, Inc. (See Dawson, Leo H., assignor.)
Wired Radio, Inc. (See Duncan, R. D., jr., and Trogner, assignors.)
Wired Radio, Inc. (See Duncan, Robert D., jr., assignor.)
Wired Radio, Inc. (See Gebhard, Louis A., assignor.)
Wired Radio, Inc. (See Gebhard, L. A., and Rudolph.
Wired Radio, Inc. (See Gebhard, L. A., and Rudolph, assignors.)
Wired Radio, Inc. (See Harrison, Jamison R., assignor.)
Wired Radio, Inc. (See Herman, Hobart R., assignor.)
Wired Radio, Inc. (See Hotopp, Alfred H., jr., assignor.)
Wired Radio, Inc. (See Hough, Clinton W., assignor.)
Wired Radio, Inc. (See Hund, August, assignor.)
Wired Radio, Inc. (See Hyland, Lawrence A., assignor.)
Wired Radio, Inc. (See Isler, Samuel, assignor.)
Wired Radio, Inc. (See Lewis, Harold M., assignor.)
Wired Radio, Inc. (See Meyer, Raymond L., assignor.)
Wired Radio, Inc. (See Nicolson, Alexander M., assignor.)
Wired Radio, Inc. (See Nicolson, Alexander McL., assignor.)
Wired Radio, Inc. (See Owens, R. B., and Worrall, assignors.)
Wired Radio, Inc. (See Powell, Edwin L., assignor.)
Wired Radio, Inc. (See Reifel, Harry, assignor.)
Wired Radio, Inc. (See Rowe, Charles R., assignor.)
Wired Radio Inc. (See Scheibell, Gordon B., assignor.)
Wired Radio, Inc. (See Taylor, Albert H., assignor.)
Wired Radio, Inc. (See Taylor, A. H., and Young, assignors.)
Wired Radio, Inc. (See Terman, Frederick E., assignor.)
Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
Wired Radio, Inc. (See Weiller, Paul G., assignor.)
Wired Radio, Inc. (See Young, Leo C., assignor.)
Wireless Telephone Company, The. (See Frederickson, Otto A., assignor.)

Wire Novelty Manufacturing Company, The. (See Domkee, John H., assignor.)
Wire Novelty Manufacturing Company. (See Elwell, George H., assignor.)
Wires, John A., assignor to The National Kellastone Company, Chicago, Ill. Plastic nailing composition. 1,860,917; May 31.
Wirschitz, Eduard, Munich, Germany. Clamping means. 1,867,043; July 12.
Wirshing, Ralph J., and H. R. Faas, assignors to General Motors Research Corporation, Detroit, Mich. Coating for ferrous metals. 1,872,614; Aug. 16.
Wirt Company. (See Weichelt, Carl, assignor.)
Wirth, Carl, Rochester, N. Y. Antirattling device. 1,890,275; Dec. 6.
Wirth, Elias, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Ignition device for use with fire grates burning solid fuels. 1,842,227; Jan. 19.
Wirth, Gustav, Nuremburg, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,854,916; Apr. 19.
Wirth, Johann Sr., Aschaffenburg-Schneidke, Germany. Acidproof structure. 1,867,960; July 19.
Wirth, Robert. (See Eburne, R., and Wirth.)
Wirth, Theodor. (See Knecht, O., and Wirth.)
Wirth, Wilhelm. (See Bisschop, E., Ulbrich, and Wirth.)
Wirtschafter, Hugo, Vienna, Austria. Apparatus for projecting cinematopositives. 1,867,268; May 10.
Wirtz, Franklin H. (See Shaffer, G. A., and Wirtz.)
Wirtz, Franz. (See Monforts, J., and Wirtz.)
Wirtz, A. H., Inc. (See Barker, Edwin H., assignor.)
Wirz, Albert, Basel, Switzerland. Electromagnetic pendulum driving device for clocks. 1,867,295; July 12.
Wirz, Henry, and H. P. Stockhiss, Los Angeles, Calif. Coupling device. 1,890,011; Dec. 6.
Wisconsin Alumni Research Foundation. (See Hart, Edwin B., assignor.)
Wisconsin Alumni Research Foundation. (See Peterson, W. H., and Fred, assignors.)
Wisconsin Alumni Research Foundation. (See Steenbock, Harry, assignor.)
Wisconsin Alumni Research Foundation, The. (See Wiig, Edwin O., assignor.)
Wise, Alexander, Beverly Hills, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Apparatus for printing continuous films. 1,891,398; Dec. 20.
Wise, Alan Mansfield, Hills, and J. Arnold, Los Angeles, assignors to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Automatic release clutch for motor drive camera. 1,891,567; Sept. 6.
Wise, Charles E., Philadelphia, Pa. Locking valve for gas burners. 1,887,344; Nov. 8.
Wise, Clarence R. (See Nichols, H. J., and Wise.)
Wise, George A. (See Sutton, J. B., and Wise.)
Wise, John, Salina, Kans. Measuring device. 1,850,947; Mar. 22.
Wise, John D., Jackson, Tenn. Universal check distender and tongue depressor. 1,844,733; Feb. 9.
Wise, Julius H. (See Phillips, Nary H., assignor.)
Wise, Julius H., St. Louis County, Mo. Gun port. 1,847,419; Mar. 1.
Wise, Julius H., St. Louis County, Mo. Speaking aperture fixture. 1,859,613; May 17.
Wise, Nathan, deceased, late of Vernon, N. Y., P. L. Wise, and A. W. Levy, executors. Automatic telephone dialing and recording apparatus. 1,870,547; Aug. 9.
Wise, Nathan, deceased, late of Vernon, N. Y., P. L. Wise, Brooklyn, executor, and Pearl L. Wise, executrix, Mount Vernon, N. Y. Telephone apparatus. 1,882,106; Oct. 11.
Wise Patent and Development Company. (See Wise, Roy T., assignor.)
Wise, Pearl L., executrix. (See Wise, Nathan.)
Wise, Raleigh J., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. High speed single current relay. 1,846,693; Feb. 16.
Wise, Raleigh J., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Electrical timing device. 1,846,693; Feb. 16.
Wise, Raleigh J., Plainfield N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Signal distortion indicator. 1,845,994; Feb. 16.
Wise, Roy T., Berkeley, Calif., assignor to Wise Patent and Development Company, New York, N. Y. Change speed gear. 1,862,983; June 14.
Wise, Roy T., Berkeley, Calif., assignor to Wise Patent and Development Company, New York, N. Y. Constant mesh gear transmission clutch. 1,868,040; July 19.
Wise, Roy T., Berkeley, Calif., assignor to Wise Patent and Development Company, New York, N. Y. Electric motor transmission. 1,872,861; Aug. 23.
Wise, Roy T., Berkeley, Calif., assignor, by mesne assignments, to Wise Patent and Development Company, New York, N. Y. Constant mesh gear electric motor transmission. 1,872,862; Aug. 23.
Wise, Solomon, Shaker Heights, Ohio. Lock. Des. 86,552; Mar. 15.
Wise, Solomon, Cincinnati, Ohio. Spare wheel and tire lock. 1,887,367; Nov. 8.
Wise, Solomon, Cincinnati, Ohio. Nut lock. 1,877,545; Sept. 13.
Wiseman, Harry A., Hamanskraal, Transvaal, Union of South Africa. Steering or turning limp arrangement for motor vehicles. 1,891,791; Dec. 20.
Wisenor, Gertrude C. and L. H., Seattle, Wash. Lid for cooking utensils. 1,867,994; July 19.
Wisenor, Lemuel H. (See Wisenor, Gertrude C. and L. H.)
Wishart, Harold W., and R. L. Alexander, assignors to The Climax Engineering Company, Clinton, Iowa. Refrigerating apparatus. 1,847,546; Mar. 1.
Wishart, Robert, Griswoldville, Mass., assignor to Griswoldville Manufacturing Company, New York, N. Y. Sanitary dispensing package. 1,848,859; Mar. 8.
Wishart, William H., Iowa City, Iowa. Vehicle propelled by muscle power. 1,848,451; Mar. 8.
Wishmeier, Charles H., Indianapolis, Ind. Seat cover. 1,840,995; Jan. 12.
Wisk, Walter, New Britain, Conn. Adjustable propeller. 1,857,036; May 3.
Wismer, Samuel H. (See La Rue, W. D., and Wismer.)
Wismer, Samuel H., Palmyra, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound reproducing machine. 1,883,239; Oct. 18.
Wisner, Abram C., assignor to Reynolds Spring Company, Jackson, Mich. Cushion spring construction. 1,839,821; Jan. 5.
Wisner, Abram C., assignor to Reynolds Spring Company, Jackson, Mich. Cushion spring construction. 1,842,439; Jan. 26.
Wisner, Abram C., assignor to Reynolds Spring Company, Jackson, Mich. Hydraulic press. 1,866,383; July 5.
Wisner, Charles E., Los Angeles, Calif., assignor to Wisconsin Alumni Research Foundation. (See Hart, Edwin B., assignor.)
Wisner, Percy, New York, N. Y. Liquid container. 1,842,228; Jan. 19.
Wiss, J. & Sons Co. (See Rauh, Frederic H., assignor.)
Wissel, Kurt. (See Pier, M., and Wissel.)
Wissel, Kurt. (See Pier, M., Winkler, and Wissel.)
Wissler, William A., Jackson Heights, N. Y., assignor to Haynes Stellite Company. Welding composite articles. 1,848,289; Mar. 8.
Wissenschaftliche, Berlin-Charlottenburg, and G. Chodzinsner, Berlin-Steglitzdorf, Germany, assignors to International Communications Laboratories, Incorporated, New York, N. Y. Signaling system. 1,883,179; Oct. 18.
Wist, Engelbert, Vienna, Austria. Converting the electric arc into an elongated flame. 1,892,325; Dec. 27.
Wiswall, William J., Portland, Oreg., assignor to American Sales Book Company, Limited. Carbon manifolding apparatus. 1,872,206; Aug. 16.
Wiswell, Orro N. (See Allen, S. E., and Wiswell.)
Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Telescoping gauge. 1,860,640; May 31.
Withall, Albert P., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,874,403; Aug. 30.
Witham, George S., jr., Hudson Falls, N. Y. Imprint machine. 1,872,207; Aug. 16.
Witham, George S., jr., Hudson Falls, N. Y. Pulping and shredding system. 1,887,225; Nov. 8.
Witherow, William P., Pittsburgh, Pa., assignor, by mesne assignments, to Republic Steel Corporation, Jersey City, N. J. Die rolling and article produced thereby. 1,878,054; Sept. 20.
Withers, Clarence S., Lancaster, assignor to Latrobe Tool Company, Latrobe, Pa. Tool holder. 1,840,801; Jan. 12.
Withers, Lewis B., Glendale, Calif. Trolley retriever. 1,867,692; July 19.
Witherspoon, Samuel C. (See Miller, G. E., and Witherspoon.)
Witherspoon, William O., Burlingame, and J. Harrower, San Francisco, Calif., assignors to J. D. & A. P. Spreckels Investment Company. Apparatus for molding materials. 1,884,948; Oct. 25.
Witherup, Harry E., assignor of one-half to S. J. Cox, Franklin, Pa. Wrench. 1,840,685; Jan. 12.
Withrow, Floyd G., Grand Rapids, Mich. Mirror bracket. 1,881,148; May 31.
Withrow, Floyd G., Grand Rapids, Mich. Rear view mirror bracket. 1,891,966; Dec. 27.
Withrow, Ira L., Grand Rondo, assignor of one-half to W. A. Pittenger, Portland, Oreg. Carriage holding device. 1,846,537; Feb. 23.
Witke, Albert, P. E. Martell, Green, O. Rosemann, J. P. Molling, and C. F. Martell, Kenosha, Wis., assignors to Simmons Company, New York, N. Y. Sheet metal furniture. 1,865,603; July 5.
Witry, Louis W., and J. E. Cade, assignors to John Deere Tractor Company, Waterloo, Iowa. Drive coupling for pump jacks. 1,854,436; Apr. 19.
Witt, Samuel E. (See Neir, E. B., and Witt.)
Witt, Wiley T., Moody, Tex. Trailer. 1,870,939; Aug. 9.
Wittcoff, Edward, University City, assignor to Evr Klean Seat Pad Company, St. Louis, Mo. Seat cover. 1,852,468; Oct. 4.
Witte, Erhard. (See Stöckley, J. J., and Witte.)

Witte, Erhard. (See Stoeckly, J. J., and Witte.)
Witte, James G., assignor to Iowa Fiber Box Company, Keokuk, Iowa. Paper container. 1,866,496; July 5.
Witte, Louis S. See Johnston, William G., assignor.
Witte, Otto, Philadelphia, Pa. Button drilling machine. 1,863,737; June 21.
Witte, Paul, New Milford, assignor to White Metals Manufacturing Company, Hoboken, N. J. Unloader for forming machines. 1,886,458; Nov. 8.
Witte, Paul, New Milford, assignor to White Metals Manufacturing Company, Hoboken, N. J. Automatic machine for making tubes. 1,886,459; Nov. 8.
Wittek, Hermann, Holstein, Germany, assignor to P. Stock, Ehrhart, Ind. Ladder. 1,854,240; Apr. 19.
Wittek, Joseph, Chicago, Ill. Automatic feed mechanism for punch presses and the like. 1,867,343; July 12.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film holding strap. 1,857,523; May 10.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film reel. 1,861,891; June 7.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for lapping color film embossing rollers. 1,880,632; Oct. 4.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film spooling apparatus and reels therefor. 1,880,633; Oct. 4.
Wittemann, John, Los Angeles, Calif. Curtain operating device. 1,845,949; Feb. 16.
Wittemann, John, Los Angeles, Calif. Hanger for draperies. 1,860,760; May 31.
Witten, Samuel F. (See Moriarity, A. F., Witten, and Schopp.)
Wittenberg, Armin H., Los Angeles, Calif. Stocking. 1,847,310; Mar. 1.
Wittenberg, Edward H., assignor to Northern Engraving Company, La Crosse, Wis. Closure securing means. 1,887,611; Nov. 15.
Wittenberg, Heinz, Schonberg, near Kronberg-in-Taunus, Germany, assignor to American Lurgi Corporation, New York, N. Y. Sintering apparatus. 1,891,208; Dec. 20.
Wittenberg, Lester, Rockville, N. Y., assignor to The Barrett Company. Paving aggregate and producing same. 1,884,471; Oct. 25.
Wittenberg, Maurice H., assignor to The Royal Worcester Corset Company, Worcester, Mass. Corselet. 1,860,761; May 31.
Wittenmyer, Carlos, Mount Clemens, Mich. Calculating machine. 1,840,378; Jan. 12.
Wittenmyer, Carlos, Mount Clemens, Mich. Calculating machine. 1,840,379; Jan. 12.
Witter, Earl W., New Brighton, Staten Island, N. Y., assignor to United States Gypsum Company, Chicago, Ill. Conveyor device. 1,870,420; Aug. 9.
Witter, Lawrie L. (See Carter, Alfred, assignor.)
Witter, Lawrie L., Jamaica Plain, Mass. Dirigible road light. Re18,470; May 17.
Witter, Lawrie L., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,856,305; May 3.
Witter, Wilhelm, Haile, assignor to the Firma M. Liassauer & Cie., Cologne-on-the-Rhine, Germany. Separating and recovering nonferrous metals from metallic initial materials. 1,864,161; June 21.
Witthoff, Charles H., St. Louis, Mo. Roller bearing. 1,858,483; Nov. 22.
Wittick, Ralph A., Los Angeles, Calif. Groove-cutting machine. 1,876,380; Sept. 6.
Wittkuhns, Bruno A., Chatham, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Positioning remote objects. 1,858,425; May 17.
Wittkuhns, Bruno A., Chatham, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Synchronous transmission and torque-amplifying system. 1,881,011; Oct. 4.
Wittliff, Theodore H., Cleveland, Ohio. Stamped metal article and making same. 1,878,055; Sept. 20.
Wittliff, Theodore H., Cleveland, Ohio. Furniture brace. 1,856,647; Nov. 1.
Wittmann, Marie, New York, N. Y. Toy nursing bottle. 1,859,485; May 24.
Witmer, Russell L., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism for car couplers. 1,842,574; Jan. 26.
Witmer, Russell L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,876,816; Sept. 13.
Wittouck, Adolf G. (See Wittouck, Enrique and A. G.)
Wittouck, Enrique, and A. G., Buenos Aires, Argentina. Coupling of agricultural machines. 1,870,548; Aug. 9.
Wittouck, Serge, Paris, France, assignor to International Industrial and Chemical Company, Limited, Montreal, Quebec, Canada. Production of barium oxygen compounds. 1,861,892; June 7.
Wittouck, Serge, Paris, France, assignor to International Industrial and Chemical Company, Limited, Montreal, Quebec, Canada. Manufacture of barium compounds. 1,869,454; Aug. 2.
Wittstein, Herman L., assignor to The Atlas-Ansonia Company, New Haven, Conn. Pencil sharpener. 1,883,217; Oct. 18.
Wittum, George F., assignor to J. Bitcon, Vallejo, Calif. Calculating machine. 1,862,072; June 7.
Wittwer, Adolph, Harrisburg, Pa. Fruit jar glass tightener. 1,887,669; Nov. 15.
Witty, George, assignor of one-half to R. T. Harte, New York, N. Y. Manufacture of brick. 1,867,641; July 19.
Witty, George, New York, N. Y., assignor to Structural Products Corporation. Moisture absorbing composition and making the same. 1,877,374; Sept. 13.
Wobbe Engine Co. (See Harris, Walter B. and L. B., assignors.)
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Automobile axle press. 1,881,988; Oct. 11.
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Automobile frame straightening machine. 1,889,137; Nov. 29.
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Automobile frame straightening machine. 1,891,490; Dec. 20.
Wodack Electric Tool Corporation. (See Haas, Joseph F., assignor.)
Wodtke, Hans V., Buffalo, assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical cable and manufacturing the same. 1,865,415; June 28.
Wodtke, Hans V., Buffalo, assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Apparatus for and method of vulcanizing. 1,865,416; June 28.
Woelfel, George, Yerkes, Pa. Machine for soaping heavy woolen fabrics. 1,867,127; July 12.
Woelm, Alfred, Berlin, Germany, assignor to Pencil Mechanism Corporation, New York, N. Y. Mechanical lead pencil. 1,865,992; July 5.
Woelm, Alfred, Berlin, Germany, assignor, by mesne assignments, to Pencil Mechanism Corporation. Magazine lead pencil. 1,866,072; July 5.
Woerner, Adolph, jr., Chicago, Ill. Art corner. 1,863,430; June 14.
Woerner, Eugen, Feuerbach, Germany. Pressure-operated valve. 1,891,586; Dec. 20.
Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Lock and latch. 1,854,917; Apr. 19.
Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Handle structure. 1,864,878; June 28.
Woernley, Harry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train pipe coupling device. 1,842,639; Jan. 26.
Woernley, Harry F., Wilkinsburg, Pa., assignor, by mesne assignments, to Cardwell Westinghouse Company, Chicago, Ill. Friction draft gear. 1,844,197; Feb. 9.
Woernley, Harry F., Wilkinsburg, Pa., assignor, by mesne assignments, to Cardwell Westinghouse Company, Chicago, Ill. Draft gear. 1,853,293; Apr. 12.
Woernley, Harry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Uncoupling valve and switch. 1,854,725; Apr. 19.
Wohlenberg, Walter J., New Haven, Conn., assignor to Erie City Iron Works, Erie, Pa. Method of and apparatus for pulverizing and treating material. 1,883,218; Oct. 18.
Woidechowski, Joseph J., Cudahy, assignor to A. O. Smith Corporation, Milwaukee, Wis. Railway grade crossing construction. 1,845,693; Feb. 16.
Wolber, Ernest H., Clifton, N. J. Tile cutting machine. 1,857,269; May 10.
Wolbert, William G. (See Hauger, D. M., Weaver, and Wolbert.)
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Restaurant type coffee maker. Des. 85,968; Jan. 5.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. Des. 86,426; Mar. 1.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Upper bowl for coffee makers. Des. 86,427; Mar. 1.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker seal. Des. 86,428; Mar. 1.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Handle for coffee makers. Des. 86,429; Mar. 1.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. Des. 86,430; Mar. 1.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Upper bowl cover for coffee makers. Des. 87,179; June 14.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. Des. 87,180; June 14.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Lower bowl cover for coffee makers. Des. 87,181; June 14.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Heater stand for coffee makers. Des. 87,182; June 14.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. Des. 87,183; June 14.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Lower bowl for coffee makers. Des. 87,655; Aug. 23.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Handle for coffee makers. Des. 87,656; Aug. 23.

Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. Des. 87,657; Aug. 23.

Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Roll. 1,853,839; Apr. 12.

Wolcott, Frank E., West Hartford, and L. V. Lucia, Hartford, Conn., assignors, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Thermostatic switch. 1,857,906; May 10.

Wolcott, Robeson B., Elmhurst, Ill. Electrical connecter. 1,856,681; May 3.

Wold, Edward S., Chicago, Ill. Luminous sign. 1,887,534; Nov. 15.

Wolever, Franklin H., Chicago, Ill. Sand blasting machine. 1,858,475; May 17.

Wolf, Aaron, Hartford, Conn. Clothes drier for indoor use. 1,853,219; Apr. 12.

Wolf, Anthony S., assignor to Blaw-Knox Company, Pittsburgh, Pa. Form construction for concrete curbs. 1,859,288; Jan. 5.

Wolf, Benzion, Chicago, Ill. Garter. 1,855,374; Apr. 26. Apr. 26.

Wolf, Charles. (See Bascom, C. P., and Wolf.)

Wolf, Christian, Le Perreux, assignor to Préparation Industrielle des Combustibles (Societe Anonyme), Nogent-sur-Marne, France. Trough-shaped belt conveyer. 1,854,637; Apr. 19.

Wolf, Clayton S., Melrose Highlands, Mass., assignor to American Briquet Company. Blending materials in the making of briquets. 1,851,689; Mar. 29.

Wolf Company, The. (See Keefer, Walter L., assignor.)

Wolf Company, The. (See Stoner, Charles M., assignor.)

Wolf, Ernest H., Elgin, Ill. Lawn edge trimmer. 1,861,104; May 31.

Wolf, Frank, New York, N. Y. Supporting stand for collapsible tubes. 1,869,323; Aug. 2.

Wolf, Frank, New York, N. Y. Accessory for containers. 1,884,472; Oct. 25.

Wolf, Fred P., assignor to Oakes & Burger Co., Inc., Cattaraugus, N. Y. Can delivery mechanism. 1,876,191; Sept. 6.

Wolf, Fritz, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,865,156; June 28.

Wolf, Gabriel, Bratislava, Czechoslovakia. Safety frame for aviators. 1,835,881; Nov. 1.

Wolf, Gabriel, Bratislava, Czechoslovakia. Hanging chassis. 1,885,882; Nov. 1.

Wolf, Georg, in m. b. H., The Firm. (See Loeck, Günther, assignor.)

Wolf, Gustav, Gutersloh, Germany. Apparatus for manufacture of wire rings and the like. 1,862,345; June 7.

Wolf, Harry E., Pittsburgh, Pa. Tufting table apparatus. 1,883,220; Oct. 18.

Wolf, Harry E., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Air cushion seat. 1,839,822; Jan. 5.

Wolf, Harry E., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Cushion seat and the like. 1,888,781; Nov. 22.

Wolf, Henry, Brooklyn, N. Y. Pump construction. 1,877,711; Sept. 13.

Wolf, Hiram M. (See Snively, C. B., and Wolf.)

Wolf, Howard M., Muncie, Ind., assignor to The Broderick Company. Stack for producing forced draft. 1,892,417; Dec. 27.

Wolf, Joe H. (See Snively, C. B., and Wolf.)

Wolf, John M., assignor of one-half to C. Bingesser, Kansas City, Mo. Fluid motor. 1,885,665; Nov. 1.

Wolf, Lester J., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Frequency changer. 1,872,379; Aug. 16.

Wolf Machine Company, The. (See Bloch, J., and Wagner, assignors.)

Wolf, Max. Berlin-Halensee, and B. Marx, Berlin-Pankow, assignors to Deutsche Gasglühlicht-auer-Gesellschaft m. b. H., Berlin, Germany. Apparatus for stenciling luminous dials for clocks, measuring instruments, and the like. 1,850,253; Mar. 22.

Wolf, Otto R., River Forest, assignor to The Tribune Company, Chicago, Ill. Dispatch conveyer for newspapers and the like. 1,849,045; Mar. 8.

Wolf, Otto R., River Forest, assignor to The Tribune Company, Chicago, Ill. Printing press. 1,891,614; Dec. 20.

Wolf, Peter, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Metal drum. 1,888,899; Nov. 22.

Wolf, Walter F., New York, N. Y. Loose leaf binder. 1,859,929; May 24.

Wolf, Walter F., New York, N. Y. Loose leaf binder and lock. 1,869,790; Aug. 2.

Wolf, Wm. F., Centralia, Wash. Apparatus for the extraction of resinous substances from wood. 1,880,634; Oct. 4

Wolfard, Merl R., Cambridge, assignor to Hopewell Brothers, Watertown, Mass., Carburetor. 1,843,186; Feb. 2.

Wolfe, Albert H., Santa Rosa, Calif. Saw set. 1,844,734; Feb. 9.

Wolfe, Archie R., Summit, N. J. Nonscrew plug. 1,873,856; Aug. 23.

Wolfe, Archie R., Summit, N. J. Electric socket switch. 1,878,275; Sept. 20.

Wolfe, Charles S. (See Wolfe, John H. and C. S.)

Wolfe, Clarence H., Norwood, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Adding and registering machine. 1,884,473; Oct. 25.

Wolfe, Clifford E., assignor of one-half to F. J. Clapham, Berkeley, Calif. Bracket clamp. 1,863,820; June 21.

Wolfe, Emile, La Chaux-Defonds, Switzerland. Novelty watch. 1,853,484; Apr. 12.

Wolfe, Everett K., New York, N. Y. Toy building unit. 1,870,978; Aug. 9.

Wolfe, Harley H. (See Eickmeyer, E. E., and Wolfe.)

Wolfe, Harley H., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Liquid dispensing pump. Des. 87,698; Aug. 30.

Wolfe, Harry H. (See Thomas, A. H., and Wolfe.)

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car coupler. 1,869,035; July 26.

Wolfe, Henry M., and C. A. Nichol, Muskegon, assignors to Continental Motors Corporation, Detroit, Mich. Twisting crank shafts. 1,890,635; Dec. 13.

Wolfe, John H. and C. S., Minnsusatawney, Pa. Flexible coupling. 1,867,481; July 12.

Wolfe, Kenneth R. D., assignor to The Fisher Governor Company, Marshalltown, Iowa. Combination manifold control and fluid regulator. 1,844,814; Feb. 9.

Wolfe, Kenneth, R. D., assignor to The Fisher Governor Company, Marshalltown, Iowa. Gas regulator. 1,874,689; Aug. 30.

Wolfe, Loren A., Baltimore, Md. Life saving device. 1,858,256; May 17.

Wolfe, Richard, assignor to California Consolidated Water Co., Los Angeles, Calif. Olio. 1,858,757; May 17.

Wolfe, Richard C., Beverly Hills, Calif. Refrigerator. 1,875,539; Sept. 6.

Wolfe, Richard C., Beverly Hills, Calif., assignor to California Consolidated Water Company, Los Angeles, Calif. Water cooler. Des. 86,652; Mar. 29.

Wolfe, Richard C., assignor to California Consolidated Water Co., Los Angeles, Calif. Combination drinking cup and water vending machine. 1,858,758; May 17.

Wolfe, Walter G., Grey Wood, assignor to Simon R. Evans, trustee, Boston, Mass. Method and apparatus for combined projection. 1,871,767; Aug. 16.

Wolfe, William D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Nonadhesive liner and making it. 1,846,239; Feb. 23.

Wolfe, William S. (See Seiberling, F. A., and Wolfe.)

Wolfe, William S., Fairlawn, assignor to Seiberling Rubber Company, Barberton, Ohio. Making rubber heels. 1,854,388; Apr. 19.

Wolfert, Edward R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,852,551; Apr. 5.

Wolfert, Edward R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage compensator. 1,858,845; May 17.

Wolff, Anton F., Genesee, Idaho. Toy airplane. 1,855,535; Apr. 26.

Wolff, Bruno G. W. and W. C. F., Dearborn, Mich. Ventilating arrangement for automobile hoods. 1,857,705; May 10.

Wolff, Carl, Bremen, Germany. Warning and sounding device for ships. 1,882,171; Oct. 11.

Wolff, Charles J., and W. W. Couch, San Antonio, Tex. Impact ejector pump. 1,868,621; July 26.

Wolff, Christiaan, San Francisco, assignor of fifty per cent to B. Singh, Berkeley, Calif. Concrete building mold. 1,841,074; Jan. 12.

Wolff Coal Saver Company. (See Goldberg, Herman, assignor.)

Wolff, George F., assignor to Sager Metal Weatherstrip Co., Chicago, Ill. Metal weatherstrip. 1,842,440; Jan. 26.

Wolff, Hans, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Green mineral pigments. 1,891,210; Dec. 13.

Wolff, Hugo. (See Nawiasky, P., Honold, and Wolff.)

Wolff, Hugo. (See Nawiasky, P., and Wolff.)

Wolff, Hugo, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,878,050; Sept. 20.

Wolff, Hugo, Mannheim, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the acridine series. 1,845,469; Feb. 16.

Wolff, Hugo, M. A. Kunz, Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,856,383; May 3.

Wolff, Irving. (See Wolff, Irving, and Wolff.)

Wolff, Irving, New York, N. Y., assignor to Radio Corporation of America. Sound reproducer. 1,865,735; July 5.

Wolff, Irving, New York, N. Y., assignor to Radio Corporation of America. System responsive to the energy density of sound waves. 1,893,646; Dec. 27.

Wolff, Irving, New York, R. P. May, Bronx, and A. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America. Auditorium loudspeaker. 1,866,831; July 12.

Wolff, Lionel A., et al. (See Martin, Emmet G., assignor.)

Wolff, Malvina, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,097; Jan. 26.

Wolff, Malvina, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,185; Feb. 9.

Wolff, Robert M., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Paper folding mechanism. 1,843,964; Feb. 9.

Wolff, Robert W. (See Wolff, William W. and R. W.)

Wolff, Theodor. (See Rehm, A., Wolff, and Walther.)

Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,856,939; May 3.

Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,863,317; June 14.

Wolff, Wilhelm C. F. (See Wolff, Bruno G. W. and W. C. F.)

Wolff, William W., and R. W. Wolff, assignors of one-third to E. B. Watson, Los Angeles, Calif. Lifting jack mechanism for vehicles. 1,868,785; July 26.

Wolferts, Jean, Dusseldorf, Germany. Waste and overflow for lavatories, bidets, bath tubs or the like. 1,876,817; Sept. 13.

Wolfgill, Oscar O., Newton Hamilton, Pa. Splice bar. 1,850,974; Mar. 22.

Wolford, Charles. (See Suelflow, A. G., and Wolford.)

Wolford, Edgar W., San Jose, Calif. Coupling device. 1,867,420; May 17.

Wolford, Riley B., Johnstown, Pa. Fishhook. 1,869,293; July 26.

Wolforth, William C., Highland Park, Mich. Front wheel drive. 1,881,474; Oct. 25.

Wolfram, Arthur. (See Schirmacher, Karl and W., Schaich, Wolfram, Tempke, and Billig.)

Wolfram, Eric A., Rock Island, Ill. Drafting tool. 1,877,375; Sept. 13.

Wolfram, Jack F. (See McCuen, C. L., Dykstra, Smith, and Wolfram.)

Wolfsohn, Kurt, Schoeneberg, near Berlin, assignor to Rotophot Aktiengesellschaft fuer Graphische Industrie, Berlin, Germany. Producing intaglio printing forms. 1,888,303; Nov. 22.

Wolfson, Albert L., assignor to Viking Products Corporation, New York, N. Y. Display device. 1,839,287; Jan. 5.

Wolfson, Harry F. Gerstein, New York, and H. Gerstein, Arverne, N. Y. Flexible electrical molding. 1,861,675; June 7.

Wolfson, Jacob, Brooklyn, N. Y., and D. L. Potter, Hackensack, assignors to National Oil Products Company, Harrison, N. J. Treatment of textile fibers. 1,864,110; June 21.

Wolfson, Samuel J., Everett, assignor, by direct and mesne assignments, to Concrete-Wood Floor Clip Company, Inc., Charlestown, Mass. Flooring and the like. 1,888,611; Nov. 22.

Wolfson, Samuel J., Everett, Mass., assignor to Concrete-Wood Floor Clip Co., Inc. Flooring. 1,889,138; Nov. 29.

Wolin, Mark, Brooklyn, N. Y., and N. F. Ribsam, Stroudsburg, Pa. Coin controlled amusement machine. 1,843,587; Feb. 2.

Wolhaupter, David P., Washington, D. C., assignor to The Rail Joint Company, New York, N. Y. Splice bar for rail joints. 1,892,025; Dec. 27.

Wolkoff, John, Newark, N. J. Dynamo electric machine. 1,856,146; May 3.

Wolkoff, John, Newark, N. J. Electric motor. 1,856,147; May 3.

Wolkow, August E., Hartford, Wis. Device for wiring honey comb frames. 1,878,746; Sept. 20.

Wolkow, August E., Hartford, Wis. Lifting and conveying device. 1,886,614; Nov. 8.

Wollack, Kurt. (See Hoefert, R., and Wollack.)

Wollemann, Johannes, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of 6-brome-2-hydroxy-naphthalene and its substitution products. 1,890,711; Dec. 13.

Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Micrometer mount. 1,848,402; Mar. 8.

Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Micrometer mount. 1,880,635; Oct. 4.

Wollensak, Andrew, and V. C. Ernst, assignors to Full Tone Reproduction Co., Rochester, N. Y. Apparatus for reproducing sound from photographic records. 1,879,650; Sept. 27.

Wollensak Optical Company. (See Wollensak, Andrew, assignor.)

Woller, Oliver C. R., Chicago, Ill. Brake and clutch pedal pad. 1,858,809; May 17.

Wollheim, Walter S., assignor to C. F. Larsen, New York, N. Y. Flash igniter. 1,852,069; Apr. 5.

Wollin, Karl, Berlin-Charlottenburg, E. Emolczyk, Oranienburg, near Berlin, and H. Engelhard, assignors to Deutsche Gasgluhlicht-Auer-Gesellschaft mit beschrankter Haftung, Berlin, Germany. Indicating the exhaustion of substances used for cleaning gases. 1,845,000; Feb. 16.

Wollmer, Christian, Hamburg, Germany. Furniture joint. 1,853,793; Apr. 12.

Wollmer, Robert, Milwaukee, Wis. Shoe sole. 1,857,751; May 10.

Wolliny, Karl, assignor to the Firm Nollesche Werke Kommandit Gesellschaft, Wesseling, Cologne-on-Rhine, Germany. Machine for the manufacture of templates. 1,879,835; Sept. 27.

Wollum, Henry M. (See Richardson, D. R., and Wollum.)

Wolpert, Emil, Stuttgart, Germany. Seat. 1,879,724; Sept. 27.

Wolseley Motor (1927) Limited. (See Luyks, Edward S., assignor.)

Wolter, Herman H. (See Doane, L. C., and Wolter.)

Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Combined concentric lock dial and handle for safes. Des. 87,771; Sept. 13.

Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Safe. Des. 87,772; Sept. 13.

Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Safe hinge. 1,865,052; June 28.

Wolters, Carl F., Marietta, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Insulated file cabinet. 1,866,192; Sept. 6.

Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Lock mechanism for safes. 1,876,193; Sept. 6.

Wolverine Brass Works. (See Cornelius, Louis A., assignor.)

Wolverine Brass Works. (See Herst, Ward F., assignor.)

Wolverine Bumper & Specialty Company. (See Hammond, Milton B., assignor.)

Wolverine Supply and Manufacturing Company. (See Barnum, Howard N., assignor.)

Wolverine Tube Company. (See Locke, Arthur A., assignor.)

Womack, Henry B., Birmingham, Ala. Shears. 1,883,842; Oct. 18.

Wonder Hoe Company. (See Lee, John E., assignor.)

Wonderlite Neon Products Co. Ltd. (See Metcalf, Herbert E., assignor.)

Wonder Skidder Company, The. (See Nichols, George E., assignor.)

Wonder Weave, Inc. (See Merrick, Frank W., assignor.)

Woock, Herbert J., Lodi, Calif., assignor to Super Mold Corporation, Reno, Nev. Adjustable tire supporting structure for rasping and buffing machines. 1,848,684; Mar. 8.

Woock, Walter R. J., assignor to Super Mold Corporation, Lodi, Calif. Heating element. 1,866,785; July 12.

Woock, Walter R. J., assignor to Super Mold Corporation, Lodi, Calif. Tire vulcanizing mold. 1,866,832; July 12.

Wood, Alan, Steel Company. (See Jones, J. R., assignor.)

Wood, Alan D., Lower Merion Township, Montgomery County, Pa. Fabrication of embossed metallic plates. 1,856,898; May 3.

Wood, Albert B., New Orleans, La. Centrifugal pump. 1,849,127; Mar. 15.

Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Fabricated structure for dynamo electric machines. 1,844,710; Feb. 9.

Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for sewing machines. 1,839,823; Jan. 5.

Wood, Andrew C., Chicago, Ill. Combination measuring device. 1,849,128; Mar. 15.

Wood, Andrew C., Chicago, Ill. Liquid elevating apparatus. 1,868,651; July 26.

Wood, Andrew C., Chicago, Ill. Fluid pump. 1,875,904; Sept. 6.

Wood, Andrew C., assignor to Vortex Cup Company, Chicago, Ill. Cup dispenser. 1,852,766; Apr. 5.

Wood, Austin A., and E. Boss, Columbus, Ohio. Sign. Des. 87,736; Sept. 6.

Wood, Austin A., and Edward Boss, Columbus, Ohio. Sign. 1,890,483; Dec. 13.

Wood, Austin T., Paint Rock, Tex. Trailer coupler. 1,887,094; Nov. 8.

Wood, Bernard A., Charlottesville, Va. Envelope feeding device. 1,865,495; July 5.

Wood, C. D., Electric Co., Inc. (See Kulka, Eugene R., assignor.)

Wood, Charles, Liverpool, assignor to Mersey Paper Company, Limited, Brooklyn, Nova Scotia, Canada. Coupling device. 1,875,409; Sept. 6.

Wood, Charles A., Clay Center, Kans. Die cast machine. 1,855,783; Apr. 26.

Wood, Charles D., sr., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Corrugated paper board. 1,863,706; June 21.

Wood, Charles D., sr., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Multiply paper sheet. 1,863,707; June 21.

Wood, Charles E. (See Vock, W. A., and Wood.)

Wood, Charles K. and R., Chesterhill, Ohio. Clamp. 1,843,687 Jan. 26.

Wood, Chester A., Columbia, Ill. Internal combustion engine. 1,858,126; May 10.

Wood, Clarence P., New York, N. Y., assignor, by mesne assignments, to R. B. Kilgore, Short Hills, N. J. Turntable drive. 1,881,393; Oct. 4.

Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Motor control system. 1,861,140; May 31.

Wood Conversion Company. (See Davis, Edwin W., assignor.)

Wood, Cyrus B., Washington, D. C. Germicide. 1,891,462; Dec. 20.

Wood, David W., Brazil, Ind. Door latch. 1,880,636; Oct. 4.

Wood, David W., Brazil, Ind. Door latch. 1,880,637; Oct. 4.

Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Film pack. 1,857,524; May 10.

Wood, Grover L., Dayton, Ohio, and R. Townsend Jackson Heights, N. Y., assignors to Dayton Scale Company, Dayton, Ohio. Fastening device for chopper bowls. 1,880,688; Oct. 4.

Wood, Frank J., Mount Lebanon, assignor to Mesta Machine Company, Pittsburgh, Pa. Rotary picking machine. 1,876,440; Sept. 6.

Wood, Frederick A., London, England. Footwear. 1,892,596; Dec. 27.

Wood, George A. (See Davis, N. R., and Wood.)

Wood, George B., assignor to Rockland & Rockport Lime Corporation, Rockland, Me. Premixed product for plaster finishing coats. 1,876,122; Sept. 6.

Wood, George H., Chambersburg, Pa. Friction cut-off coupling. 1,849,164; Mar. 15.

Wood, George R., Toronto, Ontario, Canada, assignor to Dayton Scale Company, Dayton, Ohio. Mechanical motion device. 1,853,188; Apr. 12.

Wood, George R., Toronto, Ontario, Canada, assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,880,639; Oct. 4.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pouring sheet. 1,840,842; Jan. 12.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Intermediate pick-up roll for inking mechanism. 1,840,343; Jan. 12.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper replenishing device for web presses. 1,843,436; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web change device. 1,843,469; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web change device. 1,843,470; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Precision plate cooling device. 1,843,471; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 1,843,472; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate locking device. 1,843,473; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press delivery. 1,843,474; Feb. 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. High speed printing press. 1,845,591; Mar. 8.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic stereotype plate casting machine. 1,848,592; Mar. 8.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Self acting stereotype plate making machine. 1,848,593; Mar. 8.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web controlling apparatus. 1,852,292; Apr. 12.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Late news plate casting machine. 1,857,225; May 10.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Inking mechanism for printing presses. 1,861,073; May 31.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll supporting device for triplex web presses. 1,865,665; July 5.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Inspection sheet conveyer for printing presses. 1,868,784; July 26.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper guide for folding blades. 1,870,542; Aug. 9.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper piercing device. 1,870,543; Aug. 9.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding blade. 1,870,544; Aug. 9.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web feeding and slitting mechanism. 1,870,545; Aug. 9.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Press drive. 1,870,546; Aug. 9.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web moistening device. 1,873,232; Aug. 23.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate carrying cylinder. 1,873,233; Aug. 23.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate spray condenser for printing machines. 1,873,234; Aug. 23.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Inking mechanism. 1,873,235; Aug. 23.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding machine. 1,878,745; Sept. 20.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple casting and finishing machine for stereotype printing plates. 1,883,221; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper roll braking device. 1,883,222; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Cleaning conveyer chains. 1,883,223; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding and delivery mechanism. 1,883,224; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic disconnecting device. 1,883,225; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding mechanism. 1,883,226; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Color printing press. 1,883,227; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Press unit drive. 1,883,256; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Ink supplying regulator. 1,883,257; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Finger guard. 1,883,258; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Impailng pin. 1,883,259; Oct. 18.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding machine. 1,889,459; Nov. 29.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype printing plate. 1,889,460; Nov. 29.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Quick change web splicing device. 1,891,965; Dec. 27.

Wood, Henry R., Sierra Madre, Calif., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Winding machine for rolling roofing paper. 1,861,374; May 31.

Wood, Henry R., Sierra Madre, Calif., assignor to The Patent and Licensing Corporation Boston, Mass. Shingle strip and making same. 1,863,178; June 14.

Wood, Herbert H. (See Walker, G. T., and Wood.)

Wood Hydraulic Hoist & Body Company. (See Barrett, Edward R., assignor.)

Wood Hydraulic Hoist & Body Company. (See Kerr, Arthur G., assignor.)

Wood Hydraulic Hoist & Body Co. (See Wood, P. S., and Dewey, assignors.)

Wood, Irving W., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Coffee pot. 1,885,666; Nov. 1.

Wood, James, Saltcoats, and H. F. Reynolds, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, Dividing cords of plastic or gelatinous material into lengths. 1,866,409; July 7.

Wood, Jesse N., assignor of forty-nine per cent to G. H. Whicher, Venice, and C. W. Peake, Granite City, Ill. Automatic release valve. 1,891,034; Dec. 13.

Wood, John Manufacturing Company. (See Sponar, Aloysius T., assignor.)

Wood John Manufacturing Company. (See Winter, Joseph W., assignor.)

Wood, John, Manufacturing Company. (See Wright, George, assignor.)

Wood, Joseph. (See Harrington, John A., assignor.)

Wood, Joseph, assignor to Barcy-Nicholson Company, Detroit, Mich. Pipe coupling. 1,872,863; Aug. 23.

Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,843,147; Feb. 2.

Wood, Joseph D., Wollaston, assignor to Condit Electric Manufacturing Corporation, South Boston, Mass. Time-delayed and overload-protective device and method. 1,844,112; Feb. 9.

Wood, Joseph D., Bethlehem, Pa., assignor to Roller-Smith Company. Operating mechanism for circuit breakers. 1,871,768; Aug. 16.

Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Thermoresponsive apparatus. 1,872,208; Aug. 16.

Wood, Joseph E., assignor of one-half to W. A. Scott, Chicago, Ill. Vehicle spring construction. 1,853,592; **Apr. 12.**

Wood, Joseph E., assignor to The Dearborn Company, Chicago, Ill. Table. 1,858,534; May 17.
Wood, Joseph H., Aurora Hills, Va. Cushion support. 1,862,433; July 12.
Wood, Joseph K., Mount Vernon, N. Y., assignor to W. P. Ayer, Madison, N. J. Vibration dampener. 1,884,477; Oct. 25.
Wood, Joseph L., Atlantic Highlands, N. J., assignor to American Car and Foundry Company, New York, N. Y. Dump car. 1,851,690; Mar. 29.
Wood, Joseph L., Atlantic Highlands, N. J., assignor to American Car and Foundry Company, New York, N. Y. Portable refrigerating container. 1,864,574; June 28.
Wood, J. R., & Sons, Inc. (See Klecka, John J., assignor.)
Wood, Lloyd E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing composite articles. 1,839,436; Jan. 5.
Wood, Marvin E., Stone Mountain, Va. Mouse and rat trap. 1,850,640; Oct. 4.
Wood, Morris B., Somerville, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch for raising and lowering mechanism therefor. 1,862,169; June 7.
Wood, Morris B., Somerville, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Inclosed electric switch. 1,866,333; July 5.
Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Oil-break power and metering system and apparatus. 1,873,238; Aug. 23.
Wood, Myron W., Wichita, Kans. Gas heater stove. 1,847,454; Mar. 15.
Wood Newspaper Machinery Corporation. (See Isbell, John A., assignor.)
Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
Wood Newspaper Machinery Corporation, The. (See Munson, Arthur J., assignor.)
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood Newspaper Machinery Corporation. (See Roesen, O. C., and Tornberg, assignors.)
Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
Wood Newspaper Machinery Corporation. (See Tornberg, L., and Jordhoy, assignors.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Philip S., and F. H. Dewey, assignors to Wood Hydraulic Hoist & Engine Co., Detroit, Mich. Manual hydraulic hoist. 1,858,797; May 17.
Wood Preserving Corporation, The. (See Shipley, Grant B., assignor.)
Wood, Ralph, Sharon Hill, Pa., assignor to Scott Paper Company. Slice and head box for paper making machines. 1,866,607; July 12.
Wood, Ralph W. U. Lakewood. Apparatus for determination of drift by aircraft. 1,854,437; Apr. 19.
Wood, Raymond. (See Wood, C. K., and R.)
Wood, Robert T., Lakewood, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of alloys. 1,845,694; Feb. 16.
Wood, Robert T., Lakewood, Ohio, assignor to American Magnesium Corporation, Pittsburgh, Pa. Magnesium base alloy. 1,850,613; Mar. 22.
Wood, Robert T., Lakewood, Ohio, assignor to American Magnesium Corporation, Pittsburgh, Pa. Magnesium base alloy. 1,855,436; Apr. 26.
Wood, Robert T., Lakewood, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Casting easily oxidizable metals. 1,868,453; July 19.
Wood, Robert T., Lakewood, and H. H. Block, Cleveland, Ohio, assignors to American Magnesium Corporation, Pittsburgh, Pa. Magnesium base alloy. 1,850,612; Mar. 22.
Wood, Robert T., Lakewood, Ohio, and F. C. Frary, Oakmont, Pa., assignors, by mesne assignments, to Magnesium Development Corporation. Casting easily oxidizable metals. 1,868,457; July 19.
Wood, Robert Thomas, Lakewood, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Casting easily oxidizable metal. 1,868,454; July 19.
Wood, Robert Thomas, Lakewood, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Casting easily oxidizable metal. 1,868,455; July 19.
Wood, Robert Thomas, Lakewood, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Casting easily oxidizable metals. 1,868,456; July 19.
Wood, Rodney J., Dayton, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Filing cabinet. 1,844,376; Feb. 9.
Wood, Rodney J., Dayton, Ohio assignor to Remington Rand Inc., Buffalo, N. Y. Plate or card exhibiting device. 1,845,470; Feb. 16.
Wood, Rodney J., Dayton, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Card index file. 1,857,229; May 10.
Wood, Romeo S., Plymouth, Mich. Pressure line control. 1,874,729; Aug. 30.
Wood Shovel and Tool Company. (See Brandenburg, Francis C., assignor.)
Wood Shovel and Tool Company, The. (See Butts, Cornelius L., assignor.)
Wood, Sidney C., Noank, Conn., assignor to H. D. Nelson and J. Hahn, Jersey City, N. J. Massaging gloves. 1,885,572; Nov. 1.
Wood, Straud K., Denver, and J. C. King, La Junta, Colo. Carburetor. 1,870,668; Aug. 9.
Wood, T. D. (See Tumblin, James R., assignor.)
Wood, Vera L., et al. (See Coppus, Frans H. C., assignor.)
Wood, Vera L., et al., trustees. (See Coppus, Frans H. C., assignor.)
Wood, Walter. (See Camerota, Louis A., assignor.)
Wood, Walter A. (See Bull, A. A., and Wood.)
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Device for securing dry steam in boilers. 1,845,106; Feb. 16.
Wood, William, Glenrock, Wyo. Weed destroyer. 1,843,187; Feb. 2.
Wood, William A., jr., Montreal, Quebec, Canada, assignor to International Business Machines Corporation, New York, N. Y. Ruling attachment for time recorders. 1,878,562; Sept. 20.
Wood. William C., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,878,615; Sept. 20.
Wood, William C., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone and bank. 1,878,616; Sept. 20.
Wood, William C., assignor to The N.N. Hill Brass Company, East Hampton Conn. Doll carriage. 1,886,073; Nov. 1.
Wood, William E., Alton, and W. H. Bachelder, Woodriver, assignors to Standard Oil Company, Whiting, Ind. Filter construction. 1,871,870; Aug. 16.
Wood, William H., South Euclid, Ohio. Storage battery. 1,874,404; Aug. 30.
Wood, William H., South Euclid, Ohio. Electrolytic diaphragm. 1,890,242; Dec. 6.
Wood, William H., South Euclid, Ohio. Glass working apparatus. 1,891,792; Dec. 20.
Wood, William M., St. John, New Brunswick, Canada. Valve seat. 1,874,405; Aug. 30.
Woodall, Herbert J., and M. S. Randall, assignors to Woodall Industries Incorporated, Detroit, Mich. Laminated panel and its fabrication. 1,878,086; Sept. 20.
Woodall Industries Incorporated. (See Chadwick, Francis L., assignor.)
Woodall Industries, Incorporated. (See Rodack, James W., assignor.)
Woodall Industries Incorporated. (See Woodall, H. J., and Randall, assignors.)
Woodall Industries, Incorporated. (See Zinser, Paul R., assignor.)
Woodard, Fred M., Los Angeles, Calif. Range water heater. 1,843,309; Feb. 2.
Woodard, William R., Forest Hills, N. Y. Railway vehicle supporting structure. 1,868,340; July 19.
Woodard, William E., Forest Hills, N. Y. Limited cutoff locomotive and method of operation. 1,882,310; Oct. 11.
Woodard, William E., Forest Hills, and L. G. Tandy, New York, N. Y. Locomotive exhaust mechanism. 1,848,149; Mar. 8.
Woodberry, David L., Edgewood, Md. Point detonating fuse. 1,842,467; Jan. 26.
Woodbridge, Joseph L., Philadelphia, Pa. Filling device for battery cells. 1,878,223; Sept. 20.
Woodbridge, Joseph L., Philadelphia, Pa. Train lighting and power system. 1,878,563; Sept. 20.
Woodbridge, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrocellulose propellant powder. 1,864,776; Apr. 19.
Woodbury, Adin C., Albany, N. Y. Chain drive. 1,841,925; Jan. 19.
Woodbury, Clifford A. (See Cox, I. J., Kirst, and Woodbury.)
Woodbury, John B. (See Soule, George C., assignor.)
Woodbury, John B. (See Soule, G. C., and Woodbury.)
Woodbury, John B., and G. C. Soule, South Portland, assignors to Maine Steel Products Company, Portland, Me. Power snowplow. 1,889,209; Nov. 29.
Woodbury, John E., Worcester, Mass. Doctor cleaning device. 1,878,564; Sept. 20.
Woodbury, John E., Worcester, Mass. Intaglio printing. 1,878,565; Sept. 20.
Woodcock, Frederic L., Hartford, Conn. Combination mirror and paper weight. Des. 86,873; Apr. 26.
Woodcock, Joseph C., Cliffside, N. J., assignor to The Barrett Company, New York, N. Y. Liquid spreading apparatus. 1,884,475; Oct. 25.
Woodcock, Reginald B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting and trimming machine. 1,859,421; May 24.
Woodcock, Reginald B., and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,886,279; Nov. 1.
Woodcock, Reginald B., and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,840,844; Jan. 12.
Woodcock, Reginald B., and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Feed mechanism. 1,884,949; Oct. 25.

Woodcraft Corporation, The. (See Camp, Clifford B., assignor.)
Woodeson, William A., Gateshead-on-Tyne, England, assignor to Societe Anonyme: Fours & Apparells Stein, Paris, France. Pulverizing apparatus. 1,881,013; Oct. 4.
Woodeson, William A., assignor to Clarke Chapman & Company, Limited, and to said William A. Woodeson, Gateshead-on-Tyne, England. Fuel burner. 1,885,067; Oct. 25.
Woodford, Arthur J. Nampa, Idaho. Timer. 1,854,360; Apr. 19.
Woodford, Bronson C. (See Hancock, William L., and Woodford.)
Woodford, Joe C. Ardmore, Pa., assignor to Service Station Equipment Company, Bryan, Ohio. Air cleaner. 1,854,010; Apr. 12.
Woodford, Joseph C., Ardmore, assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid dispensing nozzles. 1,883,843; Oct. 18.
Woodford, Watson H. (See Burns, J. E., and Woodford.)
Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Lubricant. 1,885,157; June 28.
Woodford, Watson, H., Bridgeport, Conn. Electric impulse contacting means. 1,873,095; Aug. 23.
Woodhall, William D., Attica, Ind., assignor to The Harrison Steel Castings Company. Steel alloy. 1,885,667; Nov. 1.
Woodhead, Daniel, Evanston, Ill. Lamp and guard handle. 1,853,107; Apr. 12.
Woodhead, Harry, and C. W. Stover, Cleveland, Ohio. Forming hollow articles. 1,882,552; Oct. 11.
Woodhead, Henry A., and M. R. Kelly, assignors to The Gregg Dyeing Company, Graniteville, S. C. Apparatus for the finishing of textile material. 1,889,009; Nov. 29.
Woodhead, Horace G. (See Berry, E. G., and Woodhead.)
Woodhouse, George, London, England. Instrument for exercising the fingers. 1,853,593; Apr. 12.
Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Gas purification. 1,832,497; Apr. 5.
Woodhill, Charles F., Poplar, Wis. Gas mixer. 1,849,563; Mar. 15.
Woodin, Charles K., Bloomington, Ill. Combined washing machine casing and wringer. Des. 86,666; Apr. 5.
Woodings, Emanuel, Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Machine for reforming spike bars. 1,884,976; Oct. 25.
Woodings, Emanuel, Oakmont, and E. A. Skowron, Pittsburgh, assignors to Woodings-Verona Tool Works, Verona, Pa. Rail anchor. 1,846,010; Feb. 16.
Woodings, Emanuel, Oakmont, assignor to Woodings Verona Tool Works, Verona, Pa. Electrical connection for rail joints. 1,858,483; Apr. 22.
Woodings, Robert T., Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Loop rail anchor. 1,862,780; June 14.
Woodings-Verona Tool Works. (See Woodings, Emanuel, assignor.)
Woodings-Verona Tool Works. (See Woodings, E., and Showron, assignors.)
Woodings-Verona Tool Works. (See Woodings, Robert T., assignor.)
Woodington, John N., assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for slicing machines. 1,857,421; May 10.
Woodlard, Guy L., San Diego, Calif. Spring oiler. 1,850,368; Mar. 22.
Woodland, Cecil R. (See Kessler, F., and Woodland.)
Woodland, John E., Richmond Hill, N. Y. Matting device for motion picture projectors. 1,863,078; June 14.
Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Spiral conveyer belt. 1,850,859; Mar. 22.
Woodman, George A., assignor of one-half to W. O. Belt, Chicago, Ill. Combination freight car side and grain door. 1,868,786; July 26.
Woodman, Joseph C., Flushing, assignor to Decarie Incinerator Corporation, New York, N. Y. Screenings burner. 1,877,214; Sept. 13.
Woodring, Alberto I., assignor to National Safety Devices Company, Waterloo, Iowa. Signal connection. 1,842,813; Jan. 26.
Woodring, Hubert E., Denver, Colo. Means for the detection of electricity. 1,881,950; Oct. 25.
Woodring, William R., Los Angeles, Calif. Electrical soldering apparatus. 1,869,448; Aug. 2.
Woodroffe, Percy E., Detroit, Mich. Headlight dimmer. 1,866,440; July 5.
Woodrow Washing Machine Company. (See Buwalda, Abraham G., assignor.)
Woodrow Washing Machine Company. (See Gibson, George M., assignor.)
Woodruff, Ben H., Meridian, Miss. Radio lead and lightning arrester. 1,880,166; Sept. 27.
Woodruff, Cecil B., Detroit, Mich. Can opener and handle. 1,855,812; Apr. 26.
Woodruff & Edwards, Inc. (See Abbott, George H., assignor.)
Woodruff, Frank O., Quincy, assignor to H. H. Beckwith, Brookline, Mass. Manufacture of rubber-fiber articles. 1,842,706; Jan. 26.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Running board for container cars. Re18,323; Jan. 5.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop side container car. Re18,577; Aug. 23.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Holding device for containers. 1,840,927; Jan. 12.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Freight car container. 1,847,158; Mar. 1.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop side container car. 1,847,202; Mar. 1.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop side container car. 1,853,594; Apr. 12.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Freight car. 1,856,611; May 3.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Air and moisture proof container for container cars. 1,864,684; June 28.
Woodruff, Henry S., Schenectady, N. Y., assignor to General Electric Company. Refrigerated oil burner nozzle. 1,849,814; Mar. 15.
Woodruff, Henry S., Schenectady, N. Y., assignor to General Electric Company. Fabricated water heating cylinder. 1,849,815; Mar. 15.
Woodruff, John C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Carbon monoxide process. 1,865,053; June 28.
Woodruff, John C., and P. W. Wilson, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Propionic acid fermentation. 1,875,401; Sept. 6.
Woodruff, John C., J. Martin, and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of esters. 1,875,540; Sept. 6.
Woodruff, Leonidas B., Chicago, Ill. Air line coupling. 1,852,296; July 12.
Woodruff, William W., Swarthmore, Pa., and R. L. Jenner, East Orange, N. J. Cable support. 1,841,656; Jan. 19.
Woodruff, William W. 2d, Swarthmore, and R. L. Jenner, Germantown, Pa. Suspension clamp. 1,883,260; Oct. 18.
Woods, Alvoni A., assignor to All-American Mohawk Corporation, Chicago, Ill. Radiocontrol. 1,872,380; Aug. 16.
Woods, Benjamin H., Gastonia, N. C. Hen's nest. 1,847,740; Mar. 1.
Woods Brothers Construction Company. (See Hough, Otto V., assignor.)
Woods, Cammie, Ludlow, Ky. Gas control. 1,840,180; Jan. 5.
Woods, Charles G., Glendale, Calif. Exercising apparatus. 1,867,642; July 19.
Woods, Clinton E., deceased, Philadelphia; J. E. Woods, administratrix, assignor to J. E. Woods individually, Yeadon, Pa. Surface waxing machine. 1,854,638; Apr. 19.
Woods, Emmett R., Carlisle, Pa. Combined collar button and tie supporter. 1,839,631; Jan. 5.
Woods, Gorham W., and H. B. Woods, assignors to Hughes Tool Company, Houston, Tex. Forming tungsten carbide. 1,839,518; Jan. 5.
Woods, Harold R., Ilion, N. Y., assignor, by mesne assignments, to Remington Service Machines, Inc. Vending machine. 1,849,860; Mar. 15.
Woods, Harold R., Ilion, N. Y., assignor, by mesne assignments, to Consolidated Automatic Merchandising Corporation. Vending machine. 1,884,478; Oct. 25.
Woods, Hazel H., Beaver, Pa. Automobile construction. 1,867,871; Aug. 16.
Woods, Henry B. (See Woods, G. W., and Woods.)
Woods, James A., Salt Lake City, Utah. Waxer and polisher. 1,875,970; Sept. 6.
Woods, John E. (See Clifford, W. B., and Woods.)
Woods, Julia E., administratrix. (See Woods, Clinton E., assignor.)
Woods, Leonard St. Louis, Mo. Sock supporter. 1,877,108; Sept. 13.
Woods, Robert, Grand Forks, N. Dak. Grain shocker. 1,855,981; Apr. 19.
Woods, Robert M., Cleveland, Ohio, assignor to Drake Bakeries Incorporated, Brooklyn, N. Y. Container for food products. 1,889,882; Dec. 6.
Woods, William J., Schenectady, N. Y., assignor to General Electric Company. Quick release hydraulic operator. 1,866,386; June 14.
Woods, William J., Schenectady, N. Y., assignor to General Electric Company. Quick release hydraulic operator. 1,866,834; July 12.
Woods, William J., Schenectady, N. Y., assignor to General Electric Company. Quick release hydraulic operator. 1,867,393; July 12.
Woodsall Industries, Incorporated. (See Zinser, Paul R., assignor.)
Woodsend, Leslie E., Los Angeles, Calif. Work supporting attachment for abrading machines. 1,868,266; July 19.
Woodsome, John O., Detroit, Mich. Venturi steam fitting. 1,862,130; June 7.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric heater. 1,861,464; June 7.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Conveyer slot seal. 1,861,465; June 7.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,870,079; Aug. 2.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Slot closure. 1,870,080; Aug. 2.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Conveyer furnace. 1,873,239; Aug. 23.

Woodson, James C., Mansfield, O., Colby, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Resistor support. 1,861,947; June 7.

Woodson, Omer L., and H. S. Mybres, assignors to The Cyclopiane Company, Ltd., Los Angeles, Calif. Aviation training apparatus. 1,856,306; May 3.

Woodson, William C., jr., Brooklyn, N. Y. Motor speed regulator. 1,849,957; Mar. 15.

Woodsteel Box Corporation. (See Brock, Henry E., assignor.)

Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)

Woodstock Typewriter Company. (See Hokanson, O. A., and Koca, Riesigern.)

Woodstock Typewriter Company. (See Mack, Robert A., assignor.)

Woodstock, Willard H., and G. A. McDonald, Chicago Heights, Ill., assignors to Victor Chemical Works. Conversion of ferrophosphorus. 1,848,813. Mar. 8.

Woodward, Alva W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rim lock. 1,841,075; Jan. 12.

Woodward, Alva W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel rim. 1,846,240; Feb. 23.

Woodward, Alva W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rim assembly. 1,875,402; Sept. 6.

Woodward, Alva W., assignor to The Good-Year Tire & Rubber Company, Akron, Ohio. Vehicle wheel. 1,880,641; Oct. 4.

Woodward, Benjamin W., Brooklyn, assignor to W. Howey, New York, N. Y. Multiple plate photo electric tube. 1,870,596; Aug. 9.

Woodward, Charles R., jr., Elmira, N. Y. Internal combustion engine. 1,856,701; May 26.

Woodward Governor Company. (See Martin, Irl C., assignor.)

Woodward, Henry T., North Palo Alto, assignor to California Chemical Corporation, Newark, Calif. Making a filtering, bleaching, and insulating material. 1,873,520; Aug. 23.

Woodward, Henry T., Berkeley, Calif., assignor to Burnham Chemical Company, Reno, Nev. Recovering geaserite. 1,883,261; Oct. 18.

Woodward, Henry T., Berkeley, Calif., assignor to Burnham Chemical Company, Reno, Nev. Recovering alkali metal salts from brines. 1,883,262; Oct. 18.

Woodward Hubbard Company. (See Fancher, Charles J., assignor.)

Woodward, Marion H., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Three-unit, three-element code and its application to submarine telegraphy. 1,868,680; July 26.

Woodward, Orville E., assignor of one-half to G. W. Hinson, Germantown, Ky. Tobacco plant transplanter. 1,858,318; May 17.

Woodward, R. (See McGraw, W., and Woodward.)

Woodward, Robert S., jr. (See Russell, P., Schramm, and Woodward.)

Woodward, Truman W., Hutchinson, Kans. Cap. 1,880,644; Oct. 4.

Woodward, Van Lear, Stone Ridge, N. Y. Chewing gum. 1,881,989; Oct. 11.

Woodward, Walter W., assignor of one-half to F. Light, Silver City, N. Mex. Rotating piston engine. 1,850,904; Mar. 22.

Woodworking Machinery Company. (See Dannehower, Gilbert L., assignor.)

Woodworking Machinery Company. (See McCarter, Louis M., assignor.)

Woodworth, Charles B., Port Dickinson, N. Y. Protective covering for automobile bumpers. 1,858,569; May 17.

Woodworth, Leon B., Johannesburg, Transvaal, Union of South Africa. Junction box system for electric power cable installations. 1,871,938; Aug. 16.

Woodworth, Selim E., assignor to Hamilton, Beauchamp & Woodworth, San Francisco, Calif. Rotary vacuum filter. 1,859,642; May 24.

Woody, Harry W. (See Gibson, Ranson P., and Woody.)

Woody, Walton L., Shaker Heights, and R. J. Thompson, East Cleveland, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Mold dumping apparatus. 1,873,096; Aug. 23.

Woolcott Convertible Top Company. (See Woolcott, William, assignor.)

Woolcott, William, assignor to Woolcott Convertible Top Company, Winchester, Ky. Cover for land vehicles. 1,863,957; June 21.

Wooler, Ernest, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage. 1,878,057; Sept. 20.

Wooll, Isaac, Providence, R. I. Chimney vent. 1,891,860; Dec. 20.

Wooll, Joseph, San Francisco, Calif. Refrigerator show case. 1,845,468; Feb. 16.

Woolfenden, Henry L., Detroit, Mich. Garage structure. 1,842,740; Jan. 26.

Woolley, Ernest L., Providence, R. I. Liquid-fuel burner. 1,843,411; Feb. 2.

Woolley, Rew E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Integrating mechanism. 1,892,184; Dec. 27.

Woolley, William J., Chicago, Ill. Valve for water closets. 1,851,268; Mar 29.

Woolley, William J., Chicago, Ill. Water closet. 1,857,800; May 10.

Woolman, Claude, San Diego, Calif. Golf drive registering device. 1,869,642; Aug. 2.

Woolridge, Mack, Los Angeles, Calif. Material moving device. 1,861,731; June 7.

Wolsey, Charles A., and H. V. Bowman, assignors to United Milk Crate Corporation, Minneapolis, Minn. Crate. 1,858,846; May 17.

Woolson, Emma F., executrix. (See Woolson, Lionel M.)

Woolson, Harry O., Aitoona, Pa. Grounding clamp. 1,862,078; June 7.

Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Gasket. 1,840,147; Jan. 5.

Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Running board molding. 1,862,131; June 7.

Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Oil pan. 1,872,540; Aug. 16.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,842,468; Jan. 26.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Carburetor. 1,843,257; Feb. 2.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,844,267; Feb. 9.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Aeroplane. 1,845,950; Feb. 16.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Airship. 1,848,921; Mar. 8.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,848,922; Mar. 8.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,852,498; Apr. 5.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,853,712; Apr. 12.

Woolson, Lionel M., deceased, Detroit, E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,860,444; May 31.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,860,641; May 31.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,863,232; June 14.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Propeller attachment. 1,863,387; June 14.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Propeller. 1,863,388; June 14.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,868,280; July 5.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,868,281; July 5.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,874,681; Aug. 30.

Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,874,682; Aug. 30.

Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,874,683; Aug. 30.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,878,224; Sept. 20.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,878,566; Sept. 20.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,880,642; Oct. 4.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,880,643; Oct. 4.

Woolson, Lionel M., Detroit, Mich.; E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine starter. 1,884,479; Oct. 25.

Woolson, Lionel M., Detroit, Mich.; E. F. Woolson, Bloomfield Village, executrix, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,884,480; Oct. 25.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,886,443; Nov. 8.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,889,583; Nov. 29.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,891,321; Dec. 20.
Woolworth, Harry G., Washington, D. C. Jumping frog. 1,858,426; May 17.
Wooster, Philip A., San Francisco, Calif. Towel or analogous article. Des. 86,653; Mar. 29.
Wooster Products Inc. (See Connelly, D. S., and Hahn, assignors.)
Wooten, Pressley E., Ruleville, Miss. Cotton picker. 1,851,883; Mar. 29.
Wooten, Wesley M., et al. (See Geer, Paul L., assignor.)
Wooton, Frank M., and A. L. Davis, Baltimore, Md. Automatic high pressure boiler feed system. 1,887,060; Nov. 8.
Wootton Francis D. (See Wright M. G., and Wootton.)
Worcester Bank & Trust Company, executor. (See Midgley, Herbert.)
Worcester Loom Works. (See Alvord, Charles C., assignor.)
Worcester Loom Works. (See Alvord, Clinton, assignor.)
Worcester Polytechnic Institute. (See Rawson, Louis W., assignor.)
Word, T. T. (See Hanson, John R., assignor.)
Word, Tom, Houston, Tex. Apparatus for pumping liquids. 1,843,258; Feb. 2.
Worden, Charles J. (See Griffith, C. P., and Worden, assignors.)
Worden, Edward C., 1st, Milburn, N. J., assignor to Hanson & Orth, New York, N. Y. Manufacture of celluloid material from hemp fibers. 1,866,917; July 12.
Worden, James A., assignor of one-half to A. M. Oleston, Antico, Wis. Fluid match. 1,869,449; Aug. 2.
Worden, Robert E., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Carton. 1,888,152; Nov. 15.
Wordingham, George, Milwaukee, Wis. Collar support. 1,855,536; Apr. 26.
Wordingham, George, Milwaukee, Wis. Wrapper. 1,868,216; June 14.
Work, Eddie J. (See Terry, Thaddeus S., assignor.)
Work, Leonard, Philadelphia, Pa., assignor to Sprague Safety Control and Signal Corporation, New York, N. Y. Automatic train control system. 1,889,721; Nov. 29.
Workman, Alfred S., Glenwood, Iowa. Arch support. 1,849,746; Mar. 8.
Workman, Ellison E., et al. (See Robinson, Edward A., assignor.)
Workman, Peter, jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel frame. Des. 87,860; Sept. 27.
Workman, Thomas D., Genesco, Kans. Grader blade hoist. 1,850,782; Mar. 22.
World Bestos Corporation. (See Nanfeldt, William, assignor.)
Worley & Co. (See Worley, J., jr., and Burke, assignors.)
Worley, John, jr., Pasadena, and R. J. Burke, Los Angeles, assignors to Worley & Co., Pico, Calif. Ironing board clip. 1,866,691; July 12.
Worley, John, jr., and R. J. Burke, Pico, assignors to Bertha I. Williams, Los Angeles, Calif. Folding ironing board. 1,868,185; July 19.
Worms, Clarence, St. Louis, Mo. Radiator ornament. 1,863,179; June 14.
Worrall, Arthur G., Philadelphia, Pa., assignor to L. J. Kolb, Philadelphia, Pa., trading as Safetee Glass Company. Vacuum table. 1,851,028; Mar. 29.
Worrall, Robert H., Washington, D. C. Stroboscope. 1,857,422; May 10.
Worrall, Robert H., Washington, D. C. Variable speed device. 1,887,705; Nov. 15.
Worrall, Robert H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Oscillator circuit. 1,848,934; Mar. 8.
Worrall, Robert H., and R. B. Owens, Washington, D. C., assignors, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Universal crystal controlled calibrator. 1,866,441; July 5.
Worrell, Dwight E., Chicago, Ill. Shade holder. 1,845,109; Feb. 16.
Worsham, Jesse G., Champaign, Ill. Wire tier tool. 1,845,951; Feb. 16.
Worsley, Charles G., Surrey Hills, and P. L. Harkin, Carlton, Victoria, Australia. Resilient tire. 1,841,773; Jan. 19.
Worswick, Ray C., Roswell, N. Mex. Cylinder protector. 1,880,604; Sept. 27.
Wortham, Coleman, et al. (See Seawell, Joseph M., assignor.)
Wortham, Jesse L. (See McFarland, Parley E., assignor.)
Worthington, Charles C., Dunfield, N. J. Rotary cutter. 1,847,683; Mar. 1.
Worthington, Charles C., Dunfield, N. J. Lawn mower. 1,865,993; July 5.
Worthington, Charles C., Dunfield, N. J. Lawn mower unit. 1,876,518; Sept. 13.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 86,500; Mar. 8.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 87,497; Aug. 2.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 87,498; Aug. 2.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 87,499; Aug. 2.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 87,500; Aug. 2.
Worthington, George E., North Hollywood, assignor to F. J. Catterlin, Los Angeles, Calif. Pendulum toy. 1,860,951; Aug. 2.
Worthington, Harry L., San Francisco, Calif. Magnetic motor. 1,859,643; May 24.
Worthington, John H. (See Auerhaan, Joseph J., assignor.)
Worthington, John T., and H. F. Fisher, Long Beach, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Pipe-line treater. 1,873,857; Aug. 23.
Worthington Pump and Machinery Corporation. (See Gilman, George H., assignor.)
Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
Worthington Pump and Machinery Corporation. (See Hirsch, Sylvan B., assignor.)
Worthington Pump and Machinery Corporation. (See MacMeeken, John W., assignor.)
Worthington Pump and Machinery Corporation. (See Trager, L., and Severn, assignors.)
Worthington, Warren, Pittsburgh, Pa. Mill production method and layout. 1,851,040; Mar. 29.
Worthington, Wayne H. (See Hales, S. H., Worthington, and Pierson.)
Worthington, Wayne H., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Windrowing machine. 1,847,283; Mar. 1.
Worthley, Herbert, Weyburn, Saskatchewan, Canada. Stubble burner. 1,851,379; Mar. 29.
Wortmann, Dietrich, Brooklyn, N. Y. Storage tank. 1,886,074; Nov. 1.
Wortherspoon, Robert, Brooklyn, assignor to Orbis Products Trading Co., Inc., New York, N. Y. Production of thymol and menthone. 1,839,288; Jan. 5.
Wottring, Le Roy, Lorain, Ohio. Speed governing mechanism. 1,840,482; Jan. 12.
Woxvold, Einar, Chicago, Ill., assignor to American Maize Products Company. Composition for baking purposes. 1,887,175; Nov. 8.
Woynarowski, Bazil, Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Superheater header. 1,884,481; Oct. 25.
Wrange, Georg V., assignor of one-half to Aktiebolaget Friberg's Hogvacunmpump, Stockholm, Sweden. Tanning hides. 1,887,972; Nov. 15.
Wratschko, Joseph C., New Britain, Conn. Door lock set. 1,839,519; Jan. 5.
Wratschko, Max, Graz, Austria. Scythe. 1,840,345; Jan. 12.
Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Pipe hanger. 1,853,010; Apr. 5.
Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Liquid gauge. 1,892,418; Dec. 27.
Wray, Henry P. (See Laucus, J., and Grunow, assignors.)
Wray, Thomas A., Webster Groves, Mo. Building construction. 1,854,426; Apr. 19.
Wread, William E., Los Angeles, Calif., assignor, by mesne assignments, to McKinney Manufacturing Company, Pittsburgh, Pa. Latch unit. Re18,399; Mar. 29.
Wrede, Fritz, Greifswald, Germany. Silver salt of thiocellobiose and preparing the same. 1,843,058; Jan. 26.
Wren, Vincent T., Greville, Minn. Freight loading and unloading device for vehicles. 1,885,399; Nov. 1.
Wright Aeronautical Corporation. (See Carvelli, Carl G., assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright, Albert F. J., Walthamstow, England. Device for sharpening gramophone needles. 1,851,229; Mar. 29.
Wright, Arthur, Upper Montclair, N. J. Sewage disposal apparatus. 1,876,123; Sept. 6.
Wright, Arthur, Upper Montclair, and Frank W. Young, Verona, N. J. Valve for filtering devices. 1,872,209; Aug. 16.
Wright, Arthur, Upper Montclair, and F. W. Young, Verona, N. J. Filter cake treating device. 1,880,005; Sept. 27.

Wright, Bertrand R., Syracuse, N. Y. Amusement and advertising device. 1,876,481; Sept. 6.
Wright, Carl, Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Power operated furnace cover. 1,881,338; Oct. 4.
Wright, Carl G. (See Beach, L. L., and Wright.)
Wright, Carl J., West New Brighton, assignor to Combustion Utilities Corporation, New York, N. Y. Carbonization of bituminous fuel. 1,867,344; July 12.
Wright, Carl L. (See De Witt, Arthur R., assignor.)
Wright, Charles A., assignor to Anteck Forj Incorporation, Wilmington, Del. 1,849,598; Mar. 15.
Wright, Charles A., assignor to Anteck Forj, Inc., Riverton, N. J. 1,854,145; Apr. 12.
Wright, Charles H., Akron, assignor to The Diamond Match Company, Baltimore, Md. Mechanism for stacking packages. 1,889,846; Dec. 6.
Wright, Charles F., Akron, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Transfer-tray filling mechanism for match machines. 1,889,847; Dec. 6.
Wright, Charles G., Richmond Hill, N. Y., assignor, by mesne assignments, to Incorrus-Erie Company, South Milwaukee, Wis. Hoisting apparatus. 1,882,051; Oct. 11.
Wright, Charlton D., Davenport, Iowa. Machine for sharpening disks and the like. 1,886,859; Nov. 8.
Wright, Clair G., Kansas City, assignor to Ely Walker Dry Goods Company, St. Louis, Mo. Undergarment. 1,883,263; Oct. 18.
Wright, Clark W., Greenville, S. C. Vehicle light. Des. 87,322; Pat. 1,840,230; Jan. 5.
Wright, Clyde S., Toledo, Ohio. Reversing mechanism. 1,847,912; Mar. 1.
Wright, Conon Corporation. (See Cronk, Wesley M., assignor.)
Wright, Daniel T., Washington, D. C. Heater attachment. 1,861,209; Jan. 2.
Wright, David C., assignor to Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor control system. 1,840,230; Jan. 5.
Wright-De Coster, Inc. (See Du Puy, Richard R., assignor.)
Wright, Dexter M., New York, N. Y. Baton. 1,863,079; June 14.
Wright, Dexter M., New York, N. Y. Collapsible music stand. 1,879,863; Sept. 27.
Wright, Edwin A., Fresno, Calif. Vehicle body. 1,861,828; June 7.
Wright, Edwin M., assignor to Robbins & Myers, Inc., Springfield, Ohio. Centrifugal switch for electric motors. 1,840,996; Jan. 12.
Wright, Ernest C., Belvedere, England. Device for bending tubes, pipes, and the like. 1,851,861; Dec. 20.
Wright, Esmond P. G. (See Hartley, G. C., and Wright.)
Wright, Esmond P. G., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic and semiautomatic telephone system. 1,851,996; Apr. 5.
Wright, Esmond P. G., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic telephone exchange system. 1,858,069; May 10.
Wright, Esmond P. G., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Telephone system. 1,860,066; May 24.
Wright, Esmond P. G., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,874,684; Aug. 30.
Wright, Esmond P. G., Aldwych, London, England, and L. B. Haigh, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic telephone system. 1,891,254; Dec. 20.
Wright, Fenton, Kansas City, Mo. Garment fastener. 1,861,829; June 7.
Wright, Fred R., trustee. (See Conkie, Waldo J., assignor.)
Wright, George, assignor to John Wood Manufacturing Company, Conshohocken, Pa., Thermostatically operative valve. 1,856,046; Apr. 26.
Wright, George B., South Norwalk, Conn. Automobile tail and stoplight. 1,869,294; July 26.
Wright, George M., Burford, England, assignor to Radio Corporation of America. Wireless telegraphy and telephony. 1,876,124; Sept. 6.
Wright, George M., and Baddow, Chelmsford, and S. B. Smith, Gordonville, Chelmsford, England, assignor to Radio Corporation of America. Connecter housing. 1,861,781; June 7.
Wright, George T. (See Schuricht, A. G., and Wright.)
Wright, George W., Lewiston, Idaho. Unitary rotary valve. 1,849,314; Mar. 15.
Wright, Harry, jr., Chillicothe, assignor, by mesne assignments, to The Mead Corporation, Dayton, Ohio. Paper machinery. 1,859,014; May 17.
Wright, Henry H., Passaic, N. J., assignor, by mesne assignments, to Dupont Cellophane Company, Inc., New York, N. Y. Making cellulose articles. 1,870,307; Aug. 9.
Wright, Horace C., Oak Park, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric toaster. 1,862,732; June 14.
Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Adjustable nozzle. 1,883,264; Oct. 18.
Wright, Jesse C., Los Angeles, assignor to Globe Oil Tools Co., Los Nietos, Calif. Well drilling bit. 1,873,240; Aug. 23.
Wright, Jesse C., Los Angeles, assignor to Globe Oil Tools Co., Los Nietos, Calif. Well bit. 1,873,241; Aug. 23.
Wright, Jesse C., Huntington Park, and L. F. Bonney, Los Angeles, assignors, by mesne assignments, to Globe Oil Tools Company, Los Nietos, Calif. Well drill. 1,862,814; June 14.
Wright, John. (See Nevins, C. A., and Wright.)
Wright, John B. (See McCune, J. C., and Wright.)
Wright, John E., Wheeling, W. Va., assignor to A. Benline, Martins Ferry, Ohio. Machine for finishing articles of pottery-ware. 1,867,790; July 19.
Wright, John L., Inc. (See Fowler, James B. assignor.)
Wright, John S., assignor to Stebler-Parker Co., Riverside, Calif. Star wheel. 1,843,353; Feb. 2.
Wright, John W., Paw Paw, Mich. Crankshaft for use in gasoline motors. 1,845,110; Feb. 16.
Wright, Kenneth A., et al. (See Koppl, Ernest, assignor.)
Wright, Kirk K., Kenmore, N. Y., assignor to R. G. Wright & Company, Buffalo, N. Y. Heater. 1,863,781; June 21.
Wright, Kirk K., Kenmore, N. Y., assignor to R. G. Wright & Company, Buffalo, N. Y. Reinforcement for heat interchangers. 1,891,518; Dec. 20.
Wright-La Montagne Company. (See Wright, Royal J., assignor.)
Wright, Leonard K., Astoria, N. Y. Refrigerating apparatus. 1,839,939; Jan. 5.
Wright, Leonard K., Jackson Heights, N. Y. Refrigeration apparatus. 1,854,090; Apr. 12.
Wright, Leonard K., Jackson Heights, N. Y. Refrigerant. 1,865,659; Apr. 26.
Wright, Leonard K., Long Island, N. Y. Refrigerating apparatus for freight cars. 1,861,518; June 7.
Wright, Leonard K., Jackson Heights, N. Y. Refrigerating apparatus. 1,865,349; June 28.
Wright, Leonard K., Jackson Heights, Long Island, N. Y. Current control device. 1,873,342; Aug. 23.
Wright, Leonard K., Jackson Heights, Long Island, N. Y. Refrigerating apparatus. 1,878,225; Sept. 20.
Wright, Malcolm, Baltimore, Md. Terminal clamp. 1,874,482; Oct. 25.
Wright, Marcus G., and F. D. Wootton, assignors to The O. M. Franklin Blackley Serum Company, Denver, Colo. Cord severing implement. 1,889,370; Sept. 13.
Wright, Margaret M. Lewiston, N. Y. Notebook holder. 1,845,952; Feb. 16.
Wright Metal Incorporated. (See Iarson, Oscar J., assignor.)
Wright, Norman R. (See Ketchledge, W. H., and Wright.)
Wright, Orville C., St. Louis, Mo. Electrical control of fluid pressure. 1,869,791; Aug. 2.
Wright, Paul, Birmingham, Ala. Boiler. 1,859,858; May 24.
Wright, R. G., & Company. (See Wright, Kirk K., assignor.)
Wright, Ralph H., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,843,588; Feb. 2.
Wright, Robert H., Nashville, Tenn. Apparatus for treating vegetation. 1,884,485; Oct. 25.
Wright, Robert L., Tulsa, Okla. By-pass connection for meters. 1,888,524; Nov. 22.
Wright, Royal J., assignor to Wright-La-Montagne Company, Springfield, Mass. Christmas decorations. 1,875,971; Sept. 6.
Wright, Stanley R. (See Douglass, G., and Wright.)
Wright, Stanley M., and A. D. McGill, Denver, Colo. Fishing fly. 1,849,899; Mar. 15.
Wright, Sumner B. (See Anderson, C. N., Taylor, and Wright.)
Wright, Sumner B. (See Herman, J., Taylor, and Wright.)
Wright, Theodore P., Port Washington, assignor to Curtiss Aeroplane & Motor Company, Inc., New York, N. Y. Exhaust silencer. 1,874,406; Aug. 30.
Wright, Theodore P., Port Washington, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Rubless wing. 1,874,685; Aug. 30.
Wright, Thomas P., assignor to Multiwheel Road Machine Company, Inc., Atlanta, Ga. Road grader. 1,889,722; Nov. 20.
Wright, W. A., et al. (See Lofgren, E. G. C., and Anderson, assignors.)
Wright, Walker S., et al. (See Malcom, H. L., and Harker, assignors.)
Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles, Calif. Motion picture film. 1,857,578; May 10.
Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Optical system. 1,870,664; Aug. 9.
Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Film guiding mechanism. 1,889,084; Nov. 29.
Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Film handling mechanism. 1,890,172; Dec. 6.
Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Producing motion pictures. 1,890,764; Dec. 13.

Wright, Walter W., Umtali, Southern Rhodesia, Africa. Ax, pick, and like hand tools. 1,863,821; June 21.
Wright, Warren C., Chicago, Ill. Flush valve. 1,849,129; Mar. 15.
Wright, Warren C., Chicago, Ill. Flush valve. 1,849,130; Mar. 15.
Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Hood capping container. 1,857,073; May 3.
Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Hood capping container. 1,857,074; May 3.
Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Hood capping container. 1,857,075; May 3.
Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Transferring or dispensing skirted paper disks or caps and the like. 1,864,008; June 21.
Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Hood capping container. 1,884,952; Oct. 25.
Wright, Wilfred L., Hempstead, L. I., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine. 1,850,821; Mar. 22.
Wright, William A. (See Corson, C. E., and Wright.)
Wright, William D., Brockport, N. Y. Hot cap applier for plants. 1,887,387; Nov. 8.
Wright, William D., Brockport, N. Y. Fruit packer. 1,887,388; Nov. 8.
Wright, William H. (See Schrader, L. F., and Wright.)
Wright, William M., Wheeling, W. Va. Tip trade card. 1,867,452; July 12.
Wright, Willie E., et al. (See Johnson, Russell W., assignor.)
Wright, Wilson, Russell Springs, Kans. Automatic compression regulator. 1,891,587; Dec. 20.
Wrighter, Charles N., Ferdig, Mont. Well plugging device. 1,840,379; Jan. 12.
Wrighton, William C., assignor to American Optical Company, Southbridge, Mass. Process and product for covering a metallic article with an unworkable alloy. 1,870,081; Aug. 2.
Wrightsman, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated oxyhydrate explosives and producing the same. 1,891,255; Dec. 20.
Wrightson, Samuel S. (See Jones, H. P., Wrightson, and Newbery.)
Wrightsville Hardware Co. (See Ebersole, George S., assignor.)
Wrigley, Henry I., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Handwheel for car brakes. 1,872,052; Aug. 16.
Wrigley, Wm., jr., Company. (See Johnson, Arthur E., assignor.)
Wrigley, Wm., Jr., Company. (See Lindsey, William, assignor.)
Wrigley, Wm., jr., Company. (See Meany, Robert E., assignor.)
Wrigley, Wm., jr., Company. (See Melville, H. J., and Wilson, assignors.)
Wrigley, Wm., jr., Company. (See Ranney, Willet B., assignor.)
Wrobbel, Gustav F. K., Hamburg, Germany. Frame system for ships of iron construction. 1,869,329; July 26.
Wrought Iron Company of America. (See Donley, Charles, assignor.)
Wrought Iron Company of America. (See Hart, Charles, assignor.)
Wu Shun, Anthony J. (See Volk, P., and Wuebben.)
Wuebling, Harry B., Cincinnati, Ohio. Weather seal for double doors. 1,841,888; Jan. 19.
Wuertz, Alexander J. (See Adamson, W. A., and Wuertz.)
Wuertz, John L., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Thermionically inactive electrode. 1,865,449; July 5.
Wuest, Adam, Inc. (See Wuest, Elmer T., assignor.)
Wuest, Elmer T., Cincinnati, Ohio. Cotton preparing machine. 1,876,819; Sept. 13.
Wuest, Elmer T., Cincinnati, Ohio, assignor to Adam Wuest, Inc. Machine for the manufacture of batts. 1,876,194; Sept. 6.
Wuest, Walter R., Louisville, Ky. Windlass. 1,866,282; July 5.
Wulf, Charles A., assignor to American Valve and Enameling Corporation, Indianapolis, Ind. Sheet metal elbow and producing. 1,869,926; Aug. 2.
Wulf, Frank F., Omaha, Nebr. Draft regulator. 1,871,644; Aug. 16.
Wulfert, Otto, assignor to Wagner Electric Corporation, St. Louis, Mo. Commutator and making same. 1,846,930; Feb. 23.
Wulfert, Otto and C. P. Potter, assignors to Wagner Electric Corporation, St. Louis, Mo. Clamping device. 1,870,274; Aug. 9.
Wulff, Carl. (See Hofmann, F., and Wulff.)
Wulff, Otto, Hofheim-in-Taunus, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. B-hydroxy-derivatives of alkyl-pyridines and preparing them. 1,880,645; Oct. 4.
Wulff, Otto, Hofheim-in-Taunus, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process of sulphonating pyridine and its homologues. 1,880,646; Oct. 4.
Wulff, Otto, Hofheim-in-Taunus, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Nitro- hydroxypyridine and nitro- hydroxyalkylpyridine and preparing them. 1,889,303; Nov. 29.
Wulff, Robert G., Los Angeles, Calif. Making acetylene and other products by thermal treatment of hydrocarbons at atmospheric pressure. 1,863,983; June 21.
Wulff, Robert G., Los Angeles, Calif. Producing high temperatures. 1,880,306; Oct. 4.
Wulff, Robert G., Los Angeles, Calif. Producing acetylene by compression. 1,880,307; Oct. 4.
Wulff, Robert G., Los Angeles, Calif. Making acetylene and other products. 1,880,308; Oct. 4.
Wulff, Robert G., Los Angeles, Calif. Partial pressure process of making acetylene and other products. 1,880,309; Oct. 4.
Wulff, Robert G., Los Angeles, Calif. Halogenation process of making acetylenes and other products. 1,880,310; Oct. 4.
Wulff, Robert G., Los Angeles, and C. V. Moody, Huntington Park, Calif. Container for compressed or liquefied gas. 1,863,956; June 21.
Wulfhorst, William E., Cincinnati, Ohio. Automatic signal switch. 1,860,972; May 31.
Wullenweber, John W., Los Angeles, Ill. Vehicle reflecting mirror structure. 1,877,109; Sept. 13.
Wullschlegr & Co. (See Martinoff, Nadine, assignor.)
Wullschleger & Co. (See Megroz, Georges, assignor.)
Wullschleger & Co. (See Megroz, Margaret B., assignor.)
Wunderlich, William E., Muncie, Ind. Mattress. 1,862,538; Oct. 11.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Spring assembling machine. 1,849,394; Mar. 15.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Spring forming machine. 1,867,128; July 12.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Object heating furnace. 1,872,210; Aug. 16.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Shaping machine. 1,877,110; Sept. 13.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Shaping machine. 1,877,111; Sept. 13.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Baling press. 1,887,226; Nov. 8.
Wundrack, Otto, Pittsburgh, Pa. Baker's oven. 1,882,107; Oct. 11.
Wunn, Richard. (See Gothard, T. J., and Wunn.)
Wunsch, Felix, assignor to Leeds & Northrup Company, Philadelphia, Pa. Speed control apparatus. 1,840,650; Jan. 12.
Wunsch, Guido, Berlin-Steglitz, Germany. Burner for air heaters. 1,841,565; Jan. 19.
Wunsch, Joseph W. (See Botnick, Maurice M., assignor.)
Wunsch, Samuel. (See Botnick, Maurice M., assignor.)
Wupper, Benjamin F., Chicago, Ill. Toy. 1,883,265; Oct. 18.
Wurdack, Wm., Electric Manufacturing Company. (See Wurdack, William, jr., assignor.)
Wurdack, William, jr., assignor to Wm. Wurdack Electric Manufacturing Company, St. Louis, Mo. Bus-bar connector. 1,863,462; June 14.
Wurlitzer, Rudolph, Manufacturing Company, The. (See McCormick, Frank L., assignor.)
Wurm, Max, Detroit, Mich. Extension table. 1,853,527; Apr. 12.
Wurster, Amsy L., Haddon Heights, N. J., assignor of one-half to Robert E. Lee, Camden, Philadelphia, Pa. Cravat holder. 1,865,995; July 5.
Wurster, Carl. (See Brode, J., and Wurster.)
Wurster, Carl. (See Brode, J., Wurster, and Buettgenbach.)
Wurster, Oscar H., Chicago, Ill. Process of and apparatus for distilling glycerine. 1,885,166; Nov. 1.
Wurster, Oscar H., Chicago, Ill. Process of and apparatus for distilling liquids. 1,886,256; Nov. 1.
Wurster, Oscar H., Chicago, Ill. Sight flow glass. 1,856,444; Nov. 3.
Wurttembergische Metallwarenfabrik Aktiengesellschaft. (See Hainlen, Adolf, assignor.)
Wurzbach, Hugh E., and L. B. Wadsworth, Magna, assignors to The Selector Corporation, Salt Lake City, Utah. Check selecting apparatus. 1,851,557; Mar. 29.
Wurzburg, Reginald, Memphis, Tenn. Box. 1,869,927; Aug. 2.
Wurzschmitt, Bernhard, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of chromium oxide. 1,866,608; July 12.
Wurzburg, Wilhelm. (See Zitscher, A., and Würterich.)
Wyant, James N., Akron, Ohio. Tire. Des. 87,699; Aug. 30.
Wyant, Leroy, Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Slow release lock for railway switches. 1,867,044; July 12.
Wyatt, De Witt H. (See Macready, J. A., and Wyatt.)
Wyatt, De Witt H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,840,074; Jan. 5.

Wyatt, Edwin M. (See Hathaway, W., and Wyatt.)
Wyatt, Edwin M., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Texturing face brick. 1,846,383; Feb. 16.
Wyatt, Edwin M., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Brick wall construction. 1,854,429; Apr. 19.
Wyatt, Edwin M., and K. Slidell, Madison, Wis., assignors, by mesne assignments, to American Face Brick Research Corporation. Building unit. 1,843,184; Feb. 2.
Wyatt, Edwin M., Cleveland, Ohio, assignor, by mesne assignments, to American Face Brick Research Corporation. Kiln for the manufacture of bloated clay products. 1,882,052; Oct. 11.
Wyatt, Edwin M., Cleveland, Ohio, and H. F. Weiss, Madison, Wis., assignors, by mesne assignments, to American Face Brick Research Corporation. Furnace mechanism and bloating clay. 1,850,221; Mar. 22.
Wyatt, Ernest L., Haddonfield, N. J., assignor, by mesne assignments, to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Abrasive article. 1,857,340; May 10.
Wyatt, Ernest V., Somerville, Mass. Rope. 1,868,681; July 26.
Wyatt, F., Manufacturing Company, The. (See Spaeth, John J., assignor.)
Wyatt, Frank A., Indiana, Pa. Magazine rack. 1,847,042; Feb. 23.
Wyatt, Oscar P., Los Angeles, Calif. Vehicle direction signal. 1,848,685; Mar. 8.
Wyckoff, Ralph, San Jose, Calif. Window construction. 1,876,125; Sept. 6.
Wyckoff, Ralph D., Pittsburgh, Pa., assignor to Gulf Production Company, Houston, Tex. Automatic drilling control. 1,859,514; May 24.
Wylam, Birkett, and J. S. Wilson, Grangemouth, Stirling, Scotland, assignors to Imperial Chemical Industries Limited, Dyeing, printing, and like process. 1,865,300; July 19.
Wyland, William C., San Gabriel, Calif. Egg candling machine. 1,861,893; June 7.
Wyland, William H., Sidney, Ohio. Master core for fishing bobs. 1,874,730; Aug. 30.
Wyler, Joseph A. (See Snelling, W. O., and Wyler.)
Wylie, Andrew, Totowa Borough, assignor to Harris Bros. Silk Company, Paterson, N. J. Wound package. 1,881,383; Oct. 4.
Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electric motor controlling system. 1,844,853; Feb. 9.
Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Motor controlling apparatus. 1,844,834; Feb. 9.
Wyman, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Controlling apparatus. 1,844,910; Feb. 9.
Wyman, Laurence W., Oakland, assignor to California Corrugated Culvert Company, Berkeley, Calif. Flume joint support. 1,858,427; May 17.
Wymer, Floyd P. (See Ross, D. E., Wymer, and Harrison.)
Wymond, Gilbert O. (See Vogt, Clarence W., assignor.)
Wynd, Clarence L. A. (See Wells, J. B. and Wynd.)
Wynd, Clarence L. A., and W. H. Wynd, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of film. 1,880,647; Oct. 4.
Wynder, James C., assignor to Sonoco Products Company, Hartsville, S. C. Winding device. 1,870,158; Aug. 2.
Wyndham, James N. (See Wyndham, Stephen L. and J. N.)
Wyndham, Stephen L. and J. N., Cardiff, Wales. Steam power system. 1,841,869; Jan. 19.
Wyner, Louis, University City, and J. L. Wheeler, St. Louis, Mo. Electric water heating device. 1,864,035; June 21.
Wynn, Samuel J., Norwalk, Conn., assignor to L. W. Holding Corporation, New York, N. Y. Multiple fuse. 1,870,597; Aug. 9.
Wynne, Hoke S., Eastman, Ga. Advertising egg tester. 1,866,442; July 5.
Wyoming Platinum and Gold Mining Syndicate. (See Hull, Andrew J., assignor.)
Wyrick, Clayton E. assignor to Gairing Tool Company, Detroit. Boating steamer. 1,856,406; May 3.
Wyrick, Clayton E., assignor to Gairing Tool Company, Detroit, Mich. Universal joint drive connection. 1,860,162; May 24.
Wyse, Robert T., Mount Washington, Pa. Incinerator. 1,866,959; July 12.
Wyss, Julius, Watertown, Mass., assignor to New England Spun Silk Corporation, New York, N. Y. Producing laminated sheets. 1,886,928; Nov. 8.
Wyzenbeek, Andrew, Chicago, Ill. Reciprocating tool. 1,871,020; Aug. 9.
Wyzenbeek, Andrew, assignor to Binks Manufacturing Co., Chicago, Ill. Valve assembly for air-compressing cylinders. 1,860,163; May 24.
Xifo, Jennie, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 86,069; Jan. 19.
Xistris, Theodore E., assignor to Valley Iron Works Company, Appleton, Wis. Pulp strainer. 1,856,460; May 3.
Xylos Rubber Company, The. (See Dauber, Richard L., assignor.)
Yablick, Max, Newark, N. J. Gas cock. 1,880,648; Oct. 4.
Yacomis, John, Albany, N. Y. Window sash retainer. 1,884,484; Oct. 25.
Yacorzynski, Marie K., et al. (See Levitt, Leonard, assignor.)
Yaeger, William, Buffalo, N. Y. Water heater. 1,851,691; Mar. 29.
Yager, George F. (See Bunting, William H., Yager, and Heath.)
Yagi, Hidetsugu, Sendai, Japan, assignor to Radio Corporation of America, New York, N. Y. Variable directional electric wave generating device. 1,860,123; May 24.
Yaggi, Lawrence A., East Cleveland, Ohio. Device for practicing golf strokes. 1,881,991; Oct. 11.
Yale, Theodore E., Philadelphia, Pa. Projection screen. 1,876,269; Sept. 6.
Yahn, Frank, St. Petersburg, Fla. Fruit corer. 1,848,985; Mar. 8.
Yahnke, Otto P., East Dearborn, Mich. Burner tip for igniting devices. 1,888,404; Nov. 22.
Yale, Rodney H., San Diego, Calif. Dam. 1,879,836; Sept. 27.
Yale & Towne Manufacturing Company, The. (See Braunlich, Karl A., assignor.)
Yale & Towne Manufacturing Company, The. (See Fagin, Charles R., assignor.)
Yale & Towne Manufacturing Company, The. (See Geyer, Ernest K., assignor.)
Yale & Towne Manufacturing Company, The. (See Maxwell, Maxwell C., assignor.)
Yale & Towne Manufacturing Company, The. (See Miller, Charles A., assignor.)
Yale & Towne Manufacturing Company, The. (See Stuebing, William, jr., assignor.)
Yamazishi, Hatsutaro, Taihokushi Taiwan, Japan. Firecracker. 1,861,893; June 7.
Yamazaki, Kunpei. (See Kitamura, M., and Yamazaki.)
Yamazaki, Kunpei, Tokyofu, Japan, assignor to General Electric Company. Electrical regulating system. 1,848,860; Mar. 8.
Yancey, John H. (See Henry, J. A., and Yancey.)
Yancey, William O., San Francisco, Calif. Toy. 1,892,561; Dec. 27.
Yanchenko, Basil J., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding connecter. 1,847,058; Feb. 23.
Yanchenko, Basil J., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding connecter. 1,890,105; Dec. 6.
Yandell, William H., Davenport, Iowa. Connecting rod. 1,865,976; Nov. 1.
Yaniz y Diaz, Jose A., Habana, Cuba. Ventilating device for vehicles. 1,885,668; Nov. 1.
Yaniz y Diaz, Jose A., Habana, Cuba. Ventilating device for vehicles. 1,887,612; Nov. 15.
Yankee Metal Products Corp. (See Putterman, Benjamin, assignor.)
Yannucci, Rocco. (See Sesko, Mike, assignor.)
Yarcho, Mary L., Des Moines, Iowa. Cosmetic container. 1,872,864; Aug. 23.
Yardley, Farnham, West Orange, N. J., assignor to Jenkins Bros., New York, N. Y. Check valve. 1,860,004; May 24.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Control for valve turning and other operations. 1,865,604; July 5.
Yarnall, David R., Germantown, assignor to Yarnall-Waring Company, Philadelphia, Pa. Valve plunger construction. 1,868,811; July 26.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Greaser valve for alemite fitting connections. 1,872,211; Aug. 16.
Yarnall-Waring Company. (See McKee, John F., assignor.)
Yarnall-Waring Company. (See Yarnall, David R., assignor.)
Yarnell, Oran, Decatur, Ill. Automobile signal. 1,866,185; July 5.
Yarrow, Harold E., Scotstoun, Scotland. Water tube boiler of the Yarrow type. 1,875,792; Sept. 6.
Yarrow, Harold E., Glasgow, Scotland. Pulverized fuel burner. 1,878,926; Sept. 20.
Yarrow, Harold E., Glasgow, Scotland. Water tube boiler. 1,888,153; Nov. 15.
Yarrow, Harold E., Glasgow, Scotland. Water tube boiler. 1,891,862; Dec. 20.
Yarrow, William S., Harrow, England. Processing plant. 1,854,011; Apr. 12.
Yates-American Machine Company. (See Hartnell, Willard L., assignor.)
Yates-American Machine Company. (See Johnson, W. D., and Hartnell, assignors.)
Yates-American Machine Company. (See Turcott, David, assignor.)
Yates, Arthur T., West Seneca, assignor to Buffalo Forge Company, Buffalo, N. Y. Bending roll. 1,868,341; July 19.

Yates, Charles E., East Rutherford, and H. C. Macan, Rutherford, N. J., assignors to Anaconda Sales Company, New York, N. Y. Coating process and apparatus. 1,871,105; Aug. 9.
Yates, Emma H. (See Yates, Robert, assignor.)
Yates, Joseph J. (See Campbell, N. G., and Yates.)
Yates, Luther L. (See Reynolds, Damian L., assignor.)
Yates Machine Company. (See Yates, Thomas J., assignor.)
Yates, Robert, assignor of one-half to Emma H. Yates, Passaic, N. J. Blade rotating mechanism. 1,878,358; Sept. 20.
Yates, Robert, Passaic, N. J. Propeller and engine jointly for aeroplanes. 1,887,053; Nov. 8.
Yates, Sampson W., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Process of heat treating iron sulphide material. 1,878,226; Sept. 20.
Yates, Thomas J., assignor to Yates Machine Company, Salem, Mass. Valve tripping mechanism. 1,861,170; May 31.
Yaw, Edson L., Brooksville, Fla., assignor to J. M. Yaw, Brush, bundle, grass, vine, and corn cutter and shearer. 1,850,438; Mar. 22.
Yaw, Jennie M. (See Yaw, Edson L., assignor.)
Yawman & Erbe Manufacturing Company, The. (See Furlong, Roland A., assignor.)
Yawman & Erbe Manufacturing Company, The. (See Furlong, R. A., and Clark, assignors.)
Yaxley Manufacturing Company. (See Hall, Arthur, assignor.)
Yaxley Manufacturing Company. (See Sanborn, Arthur H., assignor.)
Yeager, Anton J., assignor to Prentiss-Wabers Products Co., Wisconsin Rapids, Wis. Preheater for vapor stoves. 1,849,264; Mar. 1.
Yeager, Frank, Port Huron, Mich. Lock joint for sectional concrete pipes. 1,871,398; Aug. 9.
Yeager, Harry W., trustee, Cleveland, O., assignor to The Barrett Company, New York, N. Y. Forming shingle strips. 1,840,997; Jan. 12.
Yeaken, Oliver C., Battle Creek, assignor to Clark Tructractor Company, Buchanan, Mich. Coupler. 1,860,973; May 31.
Yeaman, Morris C., Ponca City, Okla. Hydraulic rotary drilling bit. 1,860,214; May 24.
Yearsley, Eugene W., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Temperature compensator. 1,851,995; Apr. 5.
Yeaton, Leander G., assignor to Amesbury Brass & Foundry Company, Amesbury, Mass. Windshield. 1,850,439; Mar. 22.
Yeck, Michael, Detroit, Mich. House number. 1,856,012; Apr. 26.
Yedo, Guy A. (See Murray, John D., assignor.)
Yeider, Tary A., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Pick-up arm. 1,844,623; Feb. 9.
Yelli, Ralph A., assignor of one-fifth to H. Mischler, Los Angeles, Calif. Airship construction. 1,839,365; Jan. 5.
Yelli, Ralph A., assignor of one-fifth to H. Mischler, Los Angeles, Calif. Airship. 1,863,217; June 14.
Yellow Truck & Coach Manufacturing Company. (See Allen, Everett W., assignor.)
Yellow Truck & Coach Manufacturing Company. (See Bock, Carl J., assignor.)
Yellow Truck and Coach Manufacturing Company. (See Jantsch, Victor, assignor.)
Yellow Truck & Coach Manufacturing Company. (See Schjolin, Eric O., assignor.)
Yeo, Oliver E. (See Tully, Sydney J. B., and Yeo.)
Yeo, Samuel P., Philadelphia, Pa. Depository device. 1,853,485; Apr. 12.
Yeo, Samuel P., Philadelphia, Pa. Depository device. 1,853,486; Apr. 12.
Yeoman, George. (See O'Connor, Alexander T., assignor.)
Yeoman, William F., Monticello, Iowa. Adjustable hayrack clamp. 1,861,487; June 7.
Yeomans, Lucien I., Incorporated. (See Yeomans, Lucien I., assignor.)
Yeomans, Lucien I., assignor to Lucien I. Yeomans, Incorporated, Chicago, Ill. Converting coal. 1,846,982; Feb. 23.
Yeomanson, Ralph A., London, assignor to British-American Tobacco Company Limited, Westminster, England. Sealing can or receptacle. 1,862,449; June 7.
Yerk, Henry H., and W. J. Baumberger, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Axle grinder. 1,860,794; May 31.
Yerk, Henry H., and W. J. Baumberger, Davenport, assignor to Micro Machine Company, Betterdorf, Iowa. Grinding machine. 1,860,795; May 31.
Yerk, Henry H., and A. A. Kottman, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,860,796; May 31.
Yerkes, Gabrielle M. P., Brooklyn, N. Y. Bust form. 1,845,011; Feb. 16.
Yerkes, Gabrielle M. P., Hartsdale, assignor to G. M. Poix, Inc., New York, N. Y. Brassière. 1,871,106; Aug. 9.
Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Piston cup follower ring. 1,849,165; Mar. 15.
Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Traveling tube pump. 1,877,112; Sept. 13.
Yetter, Frank L., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Support structure for condenser tubes. 1,839,910; Jan. 5.
Yevseyeff, George P., Detroit, Mich. Chassis support. 1,892,198; Dec. 27.
Ygger, Albert Karlsson, New York, N. Y. Curtain roller. 1,885,400; Nov. 1.
Yingling Francis C. (See Flautt, Porter H., assignor.)
Yingling, John C., St. Marys, Ohio. Hook guard. 1,848,816; Mar. 15.
Yirikian, John, New York, N. Y. Arch spring vertically split removable dental bridgework. 1,841,870; Jan. 19.
Yochheim, Edward G., assignor to The Ohio Boxboard Company, Rittman, Ohio. Grave vault cover. 1,892,228; Dec. 27.
York, Francis C., Portland, Oreg. Drying rack for washing and ironing. 1,891,463; Dec. 20.
Yoder, Carl M., et al. (See Morris, Howard I., assignor.)
Yoder, Charles, Webster Groves, and J. J. Gahn, and C. B. Wilkes, jr., assignors to Nogaw Press, Inc., St. Louis, Mo. Apparatus for printing circular letters and the like. 1,876,394; Aug. 9.
Yoder, Harvey O., et al. (See Morris, Howard I., assignor.)
Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Portable sump pump. 1,883,266; Oct. 18.
Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Automatic switch. 1,883,267; Oct. 18.
Yoder-Morris Company, The. (See Morris, Howard I., assignor.)
Yodice, Augustine. (See Verzillo, J., and Yodice.)
Yoerg, Alfred F., et al. (See Schlesinger, Harry, assignor.)
Yogaw Press, Inc. (See Yoder, C. B., Gahn, and Wilkes, jr., assignors.)
Yohns, Paul, assignor, by mesne assignments, to The Butterick Publishing Company, New York, N. Y. Dress-form printing and transfer pattern therefor. 1,849,996; Mar. 15.
Yohns, Paul, New York, N. Y., assignor to The Butterick Publishing Company. Printing compound and making same. 1,870,082; Aug. 2.
Yokoyama, Louis S., New York, N. Y. Fountain pen. 1,841,168; Jan. 12.
Yolles, Jacob, Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Apparatus for connecting electrical devices. 1,883,268; Oct. 18.
Yonkers, Edward H., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor. 1,883,269; Oct. 18.
Yordi, Arthur H. (See Tennyson, C., and Yordi.)
Yorger, Charles, Indianapolis, Ind. Door prop. 1,847,705; Mar. 1.
York, Henry F., Haxtum, Colo. Corn picking and husking machine. 1,857,907; May 10.
York-Hoover Body Corporation. See Ziegler, Edwin S., assignor.)
York Ice Machinery Corporation. (See Baker, Irving C., assignor.)
York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)
York Ice Machinery Corporation. (See Light, Albert T., assignor.)
York Ice Machinery Corporation. (See Ruff, Alonzo W., assignor.)
York Ice Machinery Corporation. (See Shipley, Thomas, assignor.)
York Ice Machinery Corporation. (See Zieber, William E., assignor.)
York Safe & Lock Company. (See Sloberg, Charles F., assignor.)
Yungling, Paul, Los Angeles, Calif., assignor to Monarch Oil Well Air Drill Co. Ltd., Reno, Nev. Pneumatic well drill. 1,866,238; July 5.
Yosemite Portland Cement Corporation. (See Larmour, H. McC., and Pierce, assignors.)
Yoshiko, Kuni, Minami Ku, Osaka, Japan. Preparing gold compound of cystine. 1,869,834; Aug. 2.
Yost, Edd. and P. Stull, Danville, Ohio. Feeder. 1,852,421; May 31.
Yost, Edwin C., Winchester, Va. Atomizer. 1,876,441; Sept. 6.
Yost, Howard M., Washington, D. C. Hose protector. 1,892,122; Dec. 27.
Yost, Oliver P., Grand Rapids, Mich., assignor to Food Machinery Corporation, San Jose, Calif. 1,884,485; Oct. 25.
Yost, Robert G., and C. G. Schelly, Webster Groves, Mo. Humidifier. Des. 86,817; Apr. 19.
Youker, Malcolm P., Bartlesville, Okla. Return bend assembly. 1,864,879; June 28.
Youman, Burt C., assignor to California Packing Corporation, San Francisco, Calif. Fish cleaning mechanism. 1,853,328; Apr. 12.
Youmans, Thomas G., Wilmington, Del. Shoe grip. 1,876,195; Sept. 6.
Younce, Clarence O., Tacoma, Wash. Piston ring compressing tool. 1,874,731; Aug. 30.
Young, Ada. (See Sparbawk, Charles E., assignor.)
Young, Albert M., Brooklyn, and W. Pollack, Richmond Hill, N. Y. Multiple electric display lamp. 1,844,624; Feb. 9.
Young, Albert W., Muskegon, Mich. Power governor. 1,842,057; Jan. 19.

Young, Andrew, and S. Gerencser, Windber, Pa. Bank protective apparatus. 1,863,680; June 21.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,840,826; Jan. 12.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,856,528; May 3.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,865,996; July 5.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,887,254; Nov. 8.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,891,085; Dec. 13.
Young, Arthur P., Kenilworth, England. Musical instrument and manufacturing the same. 1,881,229; Oct. 4.
Young, Arthur P., Kenilworth, and L. Griffiths, Coventry, England, assignors to General Electric Company. Electric contact breaker. 1,870,032; Aug. 2.
Young Brothers Company. (See Fox, Vernie A., assignor.)
Young, Campbell A., and S. D. Cook, assignors to American Wire Fence Company, Chicago, Ill. Road guard. 1,855,506; Apr. 26.
Young, Carl H., assignor to Bartlett-Collins Company, Sapulpa, Okla. Combination receptacle and smoker's set. Des. 86,293; Feb. 16.
Young, Charles D. (See Faries, R., and Young.)
Young, Charles D., Chicago, Ill. Mold for rail welding under traffic. 1,848,861; Mar. 8.
Young, Charles D., Haverford, Pa. Rail retaining key. 1,863,145; June 14.
Young, Charles D., Haverford, Pa. Rail retaining key. 1,863,146; June 14.
Young, Charles D., Haverford, Pa. Freight handling system. 1,868,267; July 19.
Young, Charles D., Haverford, Pa. Rail joint. 1,873,097; Aug. 23.
Young, Charles D., Haverford, Pa. Supporting and retaining rails. 1,890,636; Dec. 13.
Young, Charles D., Haverford, Pa., and A. B. Clark, Trenton, N. J. Rail and support for the same. 1,860,142; May 24.
Young, Charles E., jr. (See Turner, John H., assignor.)
Young, Charles J., Schenectady, N. Y., assignor to General Electric Company. Picture receiving apparatus. 1,848,862; Mar. 8.
Young, Charles M., jr. (See Morehead, G. L., and Young.)
Young, Chester R. (See Ganoung, S. I., and Young.)
Young, Clarence H., Boston, Mass. Support. 1,875,403; Sept. 6.
Young, Claude B. Columbus, Ohio. Facing clay bodies. 1,845,695; Feb. 16.
Young, Cyril R., London, England. Movable typewriter support. 1,850,847; Mar. 22.
Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Making carbureted water gas. 1,852,020; Apr. 5.
Young, David B., Lawrenceville, Ill., assignor of one-half to L. W. May, New York, N. Y. Closure for the domes of tank cars. 1,846,001; Feb. 23.
Young, Donald A. (See Stevens, E. W., and Young.)
Young, Donald H., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Digging element for excavating machines. 1,872,865; Aug. 23.
Young, Donald H., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago Heights, Ill. Bucket lip exterior. 1,872,866; Aug. 23.
Young, Douglass A. (See Wey, G. J., and Young.)
Young, Earl B. (See Taylor, James S., assignor.)
Young, Forrest J., Torrance, Calif., assignor, by mesne assignments, to The National Supply Company, Toledo, Ohio. Pipe slip. 1,864,111; June 21.
Young, Forrest J., Torrance, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Slip with removable liner. 1,878,435; Sept. 20.
Young, Forrest J., Vance, and S. W. Long, Redondo, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Control head. 1,875,793; Sept. 6.
Young, Frank A., Meriden, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Interlocking switch. 1,851,230; Mar. 29.
Young, Frank L., assignor to W. D. Shoemaker, Washington, D. C. Winch holding pawl. 1,851,796; Mar. 29.
Young, Frank W. (See Wright, A., and Young.)
Young, Frank W., Verona, N. J. Filter. 1,850,044; Mar. 15.
Young, Frank W., Upper Montclair, N. J. Filter cake treating device. 1,880,006; Sept. 27.
Young, Franklin K., Winthrop, Mass., assignor to United Automatic Rifles Corporation, Dover, Del. Firearm. 1,840,410; Jan. 12.
Young, Franklin W., assignor to Mason & Parker Manufacturing Company, Winchendon, Mass. Leveling device for pool and billiard tables. 1,860,215; May 24.
Young, Fred M., Racine, Wis. Air direction vane for unit heaters. 1,850,822; Mar. 22.
Young, Fred M., Racine, Wis. Radiator construction. 1,853,487; Apr. 12.
Young, Fred M., Racine, Wis. Heat interchanger. 1,861,676; June 7.
Young, Fred M., Racine, Wis. Humidifying apparatus for space heaters. 1,865,605; July 5.
Young, Fred M., Racine, Wis. Air heater. 1,869,534; Aug. 2.
Young, Frederick W., Little Neck, assignor to Rainbow Light, Inc., Long Island City, N. Y. Electrical protective device. 1,874,407; Aug. 30.
Young, George E. (See Black, T. J., and Young.)
Young, Harry M., Webster Groves, assignor to Western Wire Products Company, St. Louis, Mo. Wire fence fastener. 1,848,452; Mar. 8.
Young, Harvey L. (See Homier, O. F., and Young.)
Young, Harvey L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube trimming method and apparatus. 1,852,831; Apr. 5.
Young, Harvey L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Measuring and marking apparatus. 1,855,784; Apr. 26.
Young, Harvey L., Pacific Grove, Calif. Multicolor attachment for spray guns. 1,863,782; June 21.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling track circuits. 1,851,474; Mar. 29.
Young, Horace J., deceased, by Eagle Machine Company, Incorporated, Indianapolis, Ind., assignee. Repairing engine cylinders. Re 16,644; Nov. 1.
Young, Howard F., assignor of one-half to L. S. Young, Kalamazoo, Mich. Joist construction. 1,885,883; Nov. 1.
Young, Hugh H., Baltimore, Md. Soap dispenser and support therefor. 1,890,138; Dec. 6.
Young, Hugh H., Baltimore, Md. Airplane. 1,890,553; Dec. 13.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Building construction and wiring a building. 1,855,082; Apr. 19.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Insulated electric conductor. 1,863,147; June 14.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Building construction. 1,867,433; July 12.
Young, James H., Bronx, assignor to Thomas C. Wilson, Incorporated, New York, N. Y. Tube cleaner. 1,873,521; Aug. 23.
Young, James H., and P. W. Jenkins, assignors to H. H. Robertson Company, Pittsburgh, Pa. Protected metal article. 1,864,971; June 28.
Young, James J. (See Aeschke, Frank J., assignor.)
Young, Jesse A., Clarksville, Tenn. Control for dirigible headlights. 1,855,083; Apr. 19.
Young, John, Los Angeles, Calif. Combination drilling valve and blow-out preventer. 1,858,352; May 17.
Young, John, jr., Oshkosh, assignor to Menasha Wooden Ware Corporation, Menasha, Wis. Tub cover rimmer. 1,852,038; Apr. 5.
Young, John, Los Angeles, and W. B. Wigle, assignors to J. W. MacClatchie, Compton, Calif. Blow-out preventer. 1,867,045; July 12.
Young, John C., Ozark, Mo. Ice cream cone holder. 1,854,091; Apr. 12.
Young, John L. (See Edwards, R. W., and Young.)
Young, John E., New York, N. Y. Tide motor. 1,847,855; Mar. 8.
Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Treating can covers. 1,848,290; Mar. 8.
Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method and apparatus for forming hinge members for containers and the like. 1,874,782; Aug. 30.
Young, John W., Pittsburgh, Pa. Safe protective apparatus. 1,850,337; Mar. 22.
Young, John W., Pittsburgh, Pa. Safe protective apparatus. 1,859,122; May 17.
Young, Karl G., and H. Velt, Philadelphia, Pa. Lock nut. 1,861,202; May 31.
Young, L. A., Company, The. (See Deering, Gus A., assignor.)
Young, L. A., Spring & Wire Corporation. (See O'Brien, Falconer, assignor.)
Young, L. A., Spring & Wire Corporation. (See Oldham, John M., assignor.)
Young, L. A., Spring & Wire Corporation. (See Stackhouse, George A., assignor.)
Young, L. A. Spring & Wire Corporation. (See Ziler, Corban H., assignor.)
Young, Lafayette. (See Akin, W. M., and Young.)
Young, Leo C. (See Taylor, A. H., and Young.)
Young, Leo C., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. System for reducing fading effects in radio communication. 1,863,518; June 14.
Young, Leo C., Washington, D. C., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Receiving system. 1,876,159; Sept. 6.
Young, Leon M. (See Robinson, W. M., Lindquist, Rader, and Young.)
Young, Leonie S. (See Young, Howard, F. assignor.)
Young, Lloyd W. (See Oldham, S. R., and Young.)
Young, Lloyd W., Buffalo, assignor to The Pres-O-Lite Company, Inc. Soldering iron. 1,880,649; Oct. 4.
Young, Marvin S., Scarsdale, and A. Novick, Flushing, N. Y.; said Novick assignor to said Young. Automatic closure for portable receptacles. 1,844,085; Feb. 9.
Young, Nelson. (See Ford, P. H., and Young.)
Young, Oliver E., West Palm Beach, Fla. Pile structure and method of making and using the same. 1,877,113; Sept. 13.

Young, Otto W. (See Brittain, R. J., jr., and Young.)
Young, Otto W., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Cage for antifriction bearings. 1,887,176; Nov. 8.
Young, Otto W., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Seal or guard. 1,890,839; Dec. 13.
Young, Paul R., Lititz, assignor to Armstrong Cook Company, Lancaster, Pa. Surface covering material. 1,873,889; Aug. 23.
Young, Philip L. (See Frolich, P. K., and Young.)
Young, Philip L., Elizabeth, N. J., assignor to Standard Oil Development Company. Obtaining hydrocarbons from wells. 1,858,847; May 17.
Young, Ralph P., Marlboro, N. Y. Handle for wooden baskets. 1,878,567; Sept. 20.
Young, Ray R., assignor to Ross Gear & Tool Company, Lafayette, Ind. Steering gear. 1,850,948; Mar. 22.
Young, Richard G., assignor of one-half to H. Dickson, Toronto, Ontario, Canada. Bed couch. 1,856,449; May 3.
Young, Robert S., New Brighton, N. Y. Slip holding device. 1,893,270; Jan. 3.
Young, Robert S., and P. Devlin, New Brighton, N. Y. Check holder. 1,883,271; Oct. 18.
Young, Ruby. (See Markey, G. T., Olson, and Young.)
Young, Samuel D. (See Edwards, R. W., and Young.)
Young, Samuel T., Miami, Fla. Golf playing device. 1,844,735; Feb. 9.
Young, Stella. (See Mehner, W. R., and Young.)
Young, Walter H., Detroit, Mich. Plug cutting tool. 1,859,547; May 24.
Young, Walter H., and E. O. Eckland, Chicago, Ill. Inking device. 1,860,124; May 24.
Young-Whitwell Gas Process Company. (See Young, Daniel J., assignor.)
Young, William, Carluke, Scotland. Device for controlling windows of the vertically sliding type. 1,858,319; May 17.
Young, William, Detroit, Mich. Sleeping car. 1,874,686; Aug. 30.
Young, William D., Roslyn, Pa. Pick-up fender for vehicles. 1,855,875; Apr. 26.
Young, William H., Jamaica, N. Y. Machine for displaying bread for sale. 1,853,713; Apr. 12.
Young, William J., Monroe, Mich. Indicator. 1,843,259; Feb. 2.
Young, William J., Cleveland, Ohio. Wall construction for supporting sound waves. 1,866,742; July 12.
Young, William R., Fairfield, Conn. Lamp. Des. 88,137; Oct. 25.
Younghood, Henry J., Detroit, Mich. Rotary power driven tool. 1,878,747; Sept. 20.
Younghusband, James L. (See Brandstetter, Josef, assignor.)
Youngken, Ben N., Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Wattless bit and forming same. 1,875,905; Sept. 6.
Youngman, Robert H., and R. H. Pierce, Pittsburgh, Pa. Flue construction for kilns. 1,869,000; July 26.
Younquist, David E. (See Brown, Ambrose M., assignor.)
Youngren, Earl E., San Francisco, Calif. Hydraulic brake. 1,869,725; Aug. 2.
Youngren, Earl E., San Francisco, Calif. Surgical apparatus. 1,869,726; Aug. 2.
Youngstown Pressed Steel Company, The. (See Stanitz, Jacques, assignor.)
Youngstown Sheet and Tube Company, The. (See Baker, John H., assignor.)
Youngstown Sheet and Tube Company, The. (See Eurich, R. H., and Anthony, assignors.)
Youngstown Sheet and Tube Company, The. (See Leahy, Frank E., assignor.)
Youngstown Sheet and Tube Company, The. (See Nullmeyer, Frank H., assignor.)
Youngstown Sheet and Tube Company, The. (See Ohlson, C. G., assignor.)
Youngstown Steel Car Corporation. (See Nyberg, Olaf J., assignor.)
Youngstown Steel Car Company. (See Wilkoff, A. E., and Nyberg, assignors.)
Youngstown Steel Door Co., The. (See Barrows, Allan S. assignor.)
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Youngstown Steel Door Company, The. (See McWilliams, J. P., and Ditchfield, assignors.)
Younie, Lewis L., assignor to Electric Steel Foundry Company, Portland, Oreg. Power scraper. 1,869,320; July 26.
Yount, Catherine R., administratrix. (See Yount, Horace J.)
Yount, H. H., et al. (See Lyles, George D., and J. M., assignors.)
Yount, Horace J., deceased; C. R. Yount, administratrix, assignor, by mesne assignments, to Eagle Machine Company, Incorporated, Indianapolis, Ind. Repairing engine cylinders. 1,842,441; Jan. 26.
Yourek, John. Chicago, Ill. Hat. Des. 86,343; Feb. 23.
Youtz, Merrill A. (See Voorhees, V., and Youtz.)
Youtz, Merrill A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Manufacture of chlorhydrins. 1,875,309; Aug. 30.
Youtz, Merrill A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparing glycols. 1,875,310; Aug. 30.
Youtz, Merrill A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ind. Hydrolyzing olefine oxides. 1,875,312; Aug. 30.
Yseboodt, Gustave, Schaerbeek-Brussells, Belgium. Rail joint connection. 1,850,163; Mar. 22.
Yseboodt, Gustave, Schaerbeek-Brussels, Belgium. Rail joint connection. 1,858,759; May 17.
Ytterberg, Arle, Hogberget, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric power plant with a plurality of generators provided with automatic voltage regulation. 1,847,585; Mar. 1.
Yuba Manufacturing Company. (See Macauley, Walter B., assignor.)
Yuengl, Edward, Newark, N. J. Curtain-rod threading device. 1,887,110; Nov. 8.
Yuhas, Stephen, Helena, Mont. Poultry nest. 1,860,304; May 24.
Yundt, Michael Company. (See Perkins, Frank P., assignor.)
Yungblut, Gibson, Dayton, Ky., assignor to The Richardson Company, Lockland, Ohio. Producing felted sheets containing bitumen. 1,877,377; Sept. 13.
Yungling, Paul, Los Angeles, Calif., assignor to Monarch Oil Well Air Drill Co., Ltd., Reno, Nev. Drill seal. 1,859,611; May 24.
Yurkovitch, Anton, Pittsburgh, Pa. Pneumatic sounding device. 1,849,415; Mar. 15.
Yurkovitch, Anton, Pittsburgh, Pa. Door reenforcement. 1,866,146; July 5.
Yurkovitch, Anton, Pittsburgh, Pa. Hinge lock. 1,868,342; July 19.
Yurzler, Fred W., and G. E. Kent, assignors to The Kent Company, Inc., Rome, N. Y. Floor machine. 1,847,323; Mar. 1.
Yutzler, Fred W., and G. E. Kent, assignors to The Kent Company Inc., Rome, N. Y. Floor machine. 1,869,179; July 26.
Yvonneau, Emmanuel. (See Vuia, T., and Yvonneau.)
Z-RO Specialties Company. (See Thoeming, W. L., and Shander, assignors.)
Zabach, Florian, Chicago, Ill. Adjustable light holder for music stands. 1,881,051; Feb. 23.
Zaback, John M., Bergen, N. Dak. Chain device. 1,841,236; Jan. 19.
Zabor, Emma E., Dedham, Mass. Hat form. 1,839,940; Jan. 5.
Zabriskie, John W. (See Von Bramer, H., and Zabriskie.)
Zabrocki, Tony, Winona, Minn. Camera back. 1,857,706; May 10.
Zaccheo, Thomas, Windsor Locks, Conn. Apparatus for distributing material. 1,877,748; Sept. 20.
Zacharias, Edwin H. Reading, Pa. Garment pressing machine. 1,861,894; June 7.
Zacharias, Edwin H., Reading, Pa. Shoulder and arm press. 1,868,934; July 26.
Zachary, Lucious F., Asbury Park, N. J. Window opener. 1,855,537; Apr. 26.
Zachert, Arthur R., New York, N. Y., assignor to Bedford Armstrong Corporation, Bedford, Va. Ribbon transfer machine. 1,890,220; Dec. 6.
Zachrison, Einar T., Chicago, Ill. Mechanism for playing stringed instruments. 1,871,021; Aug. 9.
Zadek, Milton, assignor to Reflector Hardware Corporation, Chicago, Ill. Sign holder. 1,857,423; May 10.
Zademach, Erich R., Elizabeth, N. J., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,853,528; Apr. 12.
Zademach, Erich R., Elizabeth, N. J., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,853,529; Apr. 12.
Zademach, Erich R., New Rochelle, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,878,068; Sept. 20.
Zago, Emilio, New York, N. Y., assignor to Universal Clock Corporation. Clock case. Des. 85,967; Jan. 5.
Zagst, Edward V., Longview, Tex. Motor. 1,880,650; Oct. 4.
Zahler, George A., Cleveland, Ohio. Knife sharpening device. 1,888,102; Nov. 15.
Zahm, Joseph D. (See McCreary, H. W., and Zahm.)
Zahm, Joseph D., deceased, by Animal Trap Company of America, Lititz, Pa. Apparatus for blanking and forming jaws for steel traps. 1,860,828; May 31.
Zahm, Joseph D., and J. D. Zahm, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,879,968; Sept. 27.
Zahn, Carl, and K. Schimmelschmidt, Frankfort-on-the-Main-Hochst, Germany, assignors to Farbwerke Aniline Works, Inc., New York, N. Y. Dyestuffs of the dibenzanthrone series. 1,892,229; Dec. 27.
Zahn, Cornelis W., assignor to Naamlooze Vennootschap J. A. Carp's Garenfabrieken, Helmond, Netherlands. Preparing dull artificial silk. 1,845,107; Feb. 16.
Zahn, Cornelis W., assignor to Naamlooze Vennootschap; J. A. Carp's Garenfabrieken, Helmond, Netherlands Mercerizing. 1,851,795; Mar. 29.
Zahn, George E., Freedom, Pa. Variable speed hydraulic transmission. 1,846,932; Feb. 16.
Zahn, George E., Freedom, Pa. Hydraulic transmission device. 1,886,774; Nov. 8.

Zahn, Lawrence J. (See Pacher, J. V., and Zahn.)
Zahn, Rudolf. (See Schmidt, M. P., and Zahn.)
Zahner, Bernard B., Kansas City, Mo. Oil burner. 1,867,934; July 19.
Zahner, Henry F., Kansas City, Mo. Warming table. 1,850,193; Mar. 22.
Zahnradfabrik Aktiengesellschaft. (See Maier, Albert, assignor.)
Zahodiakin, Victor F., Cincinnati, Ohio. Internal combustion engine valve. 1,876,160; Sept. 6.
Zahorik, Frank, Racine, Wis. Golf bag supporting device. 1,890,964; Dec. 13.
Zahrajian, Ghougas, Syracuse, N. Y. Device for locating sunken vessels. 1,872,212; Aug. 16.
Zaidan Hojin Rikagaku Kenkyujo. (See Okochi, M., and Ebihara, assignors.)
Zaidan Hojin Rikagaku Kenkyujo. (See Okochi, M., and Okoshi, assignors.)
Zaidan Hojin Rikagaku Kenkyujo. (See Suzuki, Tsuneo, assignor.)
Zaiden, David, Brooklyn, assignor of one-fourth to I. Kaufman, one-fourth to Samuel Kaufman, Forest Hills, and one-fourth to Jacob Kaufman, Brooklyn, N. Y. Detachably mounted eye structure for dolls. 1,876,381; Sept. 6.
Zaiden, David, Brooklyn, assignor of one-fourth to I. Kaufman, one-fourth to S. Kaufman, Forest Hills, and one-fourth to J. Kaufman, Brooklyn, N. Y. Movable eyes for dolls. 1,885,573; Nov. 1.
Zaiger, Louis. (See Zaiger, Max and L.)
Zaiger, Max, Swampscott, and L. Zaiger, Lynn, Mass. Windshield heater. 1,852,599; Apr. 5.
Zaiger, Max, Swampscott, and L. Zaiger, Lynn, Mass. Electric windshield heater. 1,861,041; May 31.
Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company. Internal combustion engine and operating the same. 1,869,455; Aug. 2.
Zainik, Leon, Houston, Tex. Hair drying device. 1,842,001; Jan. 19.
Zala, Eugen, Hajdudorog, Hungary. Membrane stethoscope-phonendoscope for comparative as well as for topographic auscultation. 1,853,951; Apr. 12.
Zalkind, Albert M. (See Jacoby, M., and Zalkind.)
Zamboni, Lawrence, Pasadena, Calif. Braking device. 1,861,772; Nov. 6.
Zamorski, Albert J. (See Heintz, L. F., and Zamorski.)
Zampari, Franco, Sao Paulo, Brazil. Sealing apparatus. 1,855,813; Apr. 26.
Zancan, Charles, New York, N. Y. Motor car axle and brake. 1,858,257; May 17.
Zancan, Ottavio, New York, N. Y. Front drive mechanism for motor vehicles. 1,859,351; May 24.
Zane, Lewis H., Mauch Chunk, Pa. Smoke and spark eliminator. 1,859,190; May 17.
Zang, Myer. (See Parfett, Frank, assignor.)
Zaparka, Edward S., New York, N. Y. Automatic take-up bushing. 1,886,143; Nov. 1.
Zapf Fruit Package Company. (See McAlvay, Bayard T., assignor.)
Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany. Anchoring the cable ends of suspension bridges. 1,858,753; May 17.
Zapf, Georg, and Alfons Peissner, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,867,791; July 19.
Zaremba Company. (See Hughes, Burton S., assignor.)
Zaremb nsky, Clement, et al. (See Robertson, Henry M., assignor.)
Zarin, George, New York, N. Y. Advertising novelty. 1,870,395; Aug. 9.
Zarobsky, Charles A., assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Closure. 1,875,906; Sept. 6.
Zarobsky, Charles A., assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Closure. 1,875,907; Sept. 6.
Zarobsky, Charles A., assignor to The Eaton Manufacturing Company, Cleveland, Ohio. Filler neck structure. 1,875,908; Sept. 6.
Zart, Arthur, Barmen-Rittershausen, A. Hartmann, Barmen, and Franz Hoelkeskamp, Barmen-Rittershausen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Artificial cellulose yarns produced by the stretch spinning process. 1,867,297; July 12.
Zart, Arthur, Barmen-Rittershausen, A. Hartmann, Barmen, and Franz Hoelkeskamp, Barmen-Rittershausen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Artificial yarn, particularly artificial silk yarn. 1,867,298; July 12.
Zass, Michael, Wauwatosa, assignor to The Milwaukee Electric Railway & Light Company, Milwaukee, Wis. Trolley ear. 1,856,738; May 3.
Zatz, Morris, Brooklyn, N. Y. Combined reversible collar and necktie. 1,843,533; Feb. 2.
Zaurzini, John, Detroit, Mich. Toy top. 1,841,566; Jan. 19.
Zavertnik, Joseph, jr., Harrington Park, N. J., assignor to The Barrett Company, New York, N. Y. Impregnating process. 1,884,486; Oct. 25.

Zavertnik, Joseph, Harrington Park, and A. A. MacCubbin, Montclair, N. J., assignors to The Barrett Company, New York, N. Y. Saturating fabrics. 1,845,775; Feb. 16.
Zavodoff, Fred, Newark, N. J. Dyeing mechanism. 1,845,010; Feb. 16.
Zazzara, Donata, Naples, Italy. Apparatus for automatic expulsion of worked articles from stamping power presses. 1,876,161; Sept. 6.
Zdeb, John M., Detroit, Mich. Plane. 1,874,148; Aug. 30.
Zeazey, William R. (See Smith, A. K., and Veazey.)
Zebelean, Julius, Covington, Ky. Printing press jogger. 1,845,384; Feb. 16.
Zebrowski, Charles, West Allis, Wis. Door operating mechanism. 1,873,243; Aug. 23.
Zech, Alfred, Detroit, Mich., assignor to Industrial Wire Cloth Company, Wayne, Mich. Cowl ventilator. 1,858,977; May 17.
Zech, Edward E., assignor of one-fourth to O. W. Judkins, one-fourth to B. Johnson, and one-fourth to G. Langlands, Grand Rapids, Mich. Molding asphaltic compositions and mold therefor. 1,887,368; Nov. 8.
Zechner, Gustav, and C. Hatt, Mechelen, Eindhoven, Netherlands. Lamp. Des. 86,431; Mar. 1.
Zechmanek, Karl, Vienna, Austria. Color projecting and distributing apparatus for painters. 1,840,686; Jan. 12.
Zeder, James C., assignor to Chrysler Corporation, Detroit, Mich. Brake shoe. 1,872,547; Aug. 16.
Zeeman, Jon, Amsterdam, Netherlands. Internal combustion engine. 1,868,301; July 19.
Zeh, Ludwig. (See Bauer, W., Haller, and Zeh.)
Zeh, Ludwig. (See Bramm, F., Haller, and Zeh.)
Zeh, Ludwig. (See Bollweg, B., Zeh and Kramer.)
Zeh, Ludwig. (See Hentrich, W. and Zeh.)
Zeh, Ludwig. (See Kramer, E., Bollweg, and Zeh.)
Zeh, Ludwig. (See Kramer, E., Zeh, and Bollweg.)
Zehrung, Delburn W., Beatrice, Nebr. Toy pistol. 1,844,535; Feb. 9.
Zeibig, Bruno H., and J. Zubaty, assignors to A C Spark Plug Company, Flint, Mich. Combination fuel pump and crank case ventilator. 1,847,457; Mar. 1.
Zeidler Concrete Products Machinery Company. (See Schultz, Alfred W., assignor.)
Zeidler Corporation, The. (See Zeidler, William A., assignor.)
Zeidler, William A., New York, N. Y., assignor, by mesne assignments, to Alfred B. Kastor. Scissors. 1,847,801; Mar. 1.
Zeidler, William A., assignor to The Zeidler Corporation, New York, N. Y. Garment press. 1,872,100; Aug. 16.
Zeidler, William A., Brooklyn, assignor to The United States Hoffman Machinery Corporation, New York, N. Y. Valve for garment presses. 1,890,554; Dec. 13.
Zeier, Frederick F. (See Christensen, N. V., Rubel, and Zeier.)
Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,843,188; Feb. 2.
Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,864,390; June 21.
Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Overedge stitch forming mechanism for sewing machines. 1,864,391; June 21.
Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,884,487; Oct. 25.
Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,884,488; Oct. 25.
Zeier, Frederick F., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Looper operating mechanism for sewing machines. 1,850,949; Mar. 22.
Zeier, Frederick F., and C. F. Rubel, assignors to Union Special Machine Company, Chicago, Ill. Thread controller for sewing machines. 1,864,392; June 21.
Zeier, Frederick F., and C. F. Rubel, assignors to Union Special Machine Company, Chicago, Ill. Overedge stitch forming mechanism. 1,864,393; June 21.
Zeier, Frederick F., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Differential feeding mechanism for sewing machines. 1,884,489; Oct. 25.
Zeier, Frederick F., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Thread controller for sewing machines. 1,884,490; Oct. 25.
Zeigler, William Le Verne, assignor to Coeur d'Alene Hardward and Foundry Company, Wallace, Idaho. Feeder for dry chemicals. 1,868,404; July 19.
Zellman, Roy H. (See Barbour, H. C., and Zellman.)
Zeindlhofer, Anton, Vienna, Austria, assignor to Groove Lock Co. Inc., New York, N. Y. Folding receptacle. 1,875,909; Sept. 6.
Zeiss, Carl. (See Dallos, Josef, assignor.)
Zeiss, Carl. (See Hartinger, Hans, assignor.)
Zeiss, Carl, Firm. (See Bauersfeld, Walther, assignor.)
Zeiss, Carl, Firm. (See Bauersfeld, W., and Küppenbender, assignors.)
Zeiss, Carl, Firm. (See Eppenstein, Otto, assignor.)
Zeiss, Carl, Firm of. (See Klemperer, Wolfgang, assignor.)
Zeiss, Carl, Firm. (See Merté, W., and Wandersleb, assignors.)

Zeiss, Carl, The Firm, (See Richter, Robert, assignor.)
Zeiss, Carl, the Firm of, (See Sander, Willy, assignor.)
Zeiss, Carl, the Firm, (See Sonnefeld, August, assignor.)
Zeiss, Firm Carl, (See Berger, Max, assignor.)
Zeiss, Firm Carl, (See Braun, Georg, assignor.)
Zeiss, Firm Carl, (See Dietzel, Paul, assignor.)
Zeiss, Firm, Carl, (See Ellinger, P., and Hirt, assignors.)
Zeiss, Firm Carl, (See Hemscheidt, Helmut, assignor.)
Zeiss, Firm Carl, (See Kraft, Paul, assignor.)
Zeiss, Firm Carl, (See Richter, Robert, assignor.)
Zeiss, Ikon, Aktiengesellschaft Dresden, (See Winzenburg, Wilhelm, assignor.)
Zeiss Ikon Aktiengesellschaft Goerzwerk, (See Jacob, Heinrich, assignor.)
Zeitz, Arthur H., Kansas City, Mo. Apparatus for clarifying liquids. 1,890,712; Dec. 13.
Zeledon, Alfred H., assignor to Scene-In-Action Corporation, Chicago, Ill. Display device. 1,886,611; June 21.
Zeledon, Alfred H., assignor to Scene-In-Action Corporation, Chicago, Ill. Display device. 1,886,144; Nov. 1.
Zelenka, Ernest, assignor to The Daemicke Company, Chicago, Ill. Display case. 1,845,249; Feb. 16.
Zelezniak, Wladyslaw, Zduny, Poland. Centrifugal separator. 1,839,941; Jan. 5.
Zelgein Products Corporation. (See Moore, Ramsay H., assignor.)
Zelger, Georges E., Montreuil, France, assignor, by mesne assignments, to Du Pont Film Manufacturing Corporation, Wilmington, Del. Plastic cellulose compound. 1,886,775; Nov. 8.
Zell, David H., Brooklyn, N. Y. Coin bank. 1,863,148; June 14.
Zell, David H., Brooklyn, N. Y. Vanity case. 1,875,541; Sept. 6.
Zeller, Isaiah N., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor. 1,872,; Aug. 30.
Zeller, Myron E., Dearborn, Mich. Liquid level gauge. 1,856,899; May 3.
Zellner, Harry W., Salt Lake City, Utah. Incubator and brooder. 1,883,272; Oct. 18.
Zellstoffabrik Waldhof. (See Baumbach, Friedrich, assignor.)
Zellstoffabrik, Waldhof. (See Luhrs, Otto, assignor.)
Zellweger, Walter, St. Louis, Mo. Apparatus for removing solid matter from air and gases. 1,871,022; Aug. 9.
Zelma, Isaiah Z., Flora, Ill., assignor of one-half to A. H. Grabow, Franklin Square, Long Island, N. Y. Animal trap. 1,877,712; Sept. 13.
Zemlin, Carl. (See Sickafoos, W., and Zemlin.)
Zenick, George, Denver, Colo. Folding box. 1,845,471; Feb. 16.
Zenitherm Company. (See Binder, Gottfried H., assignor.)
Zenker, Oscar E., Glendale, N. Y. Hollow metal door and the like. 1,857,076; May 3.
Zenner, David R. (See Connor, R., Welk, and Zenner.)
Zenner, David R. (See Welk, N. S., and Zenner.)
Zeno, Rafael del Valle, Hato Rey, Porto Rico. Method and apparatus for molding tiles. 1,845,610; Feb. 2.
Zénon, Yvan, Rosedale, N. Y. Lubricator. 1,878,087; Sept. 20.
Zens, Pierre, Paris, France. Pump or compressor. 1,889,508; Nov. 29.
Zent, Howard F. (See East, W. H., and H. F. and W. H. Zent.)
Zent, Walter H. (See East, W. H., and H. F. and W. H. Zent.)
Zent, Wayne P., Troy, N. Y. Sheet-register device. 1,845,776; Feb. 16.
Zent, Wayne P., Troy, N. Y. Sheet stacking and stripping for printing press. 1,847,741; Mar. 1.
Zent, Wayne P., Troy, N. Y. Amusement device. 1,890,765; Dec. 13.
Zentler, William F. (See Jancke, B. F., Korf, and Zentler.)
Zentmyer, Cyril H., Clifton Forge, Va. Rail joint chisel. 1,863,814; July 19.
Zepler, Erich, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio power supply apparatus. 1,855,375; Apr. 26.
Zerbe, Lewis E. (See Faulkner, David S. and Zerbe.)
Zerbe, Lewis E. (See Rice, A. E., and Zerbe.)
Zerbe, Lewis E., Monrovia, and D. S. Faulkner, Los Angeles, Calif., assignors to The National Supply Company, Toledo, Ohio. Rotary drilling machine. 1,876,126; Sept. 6
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Arrangement for operating rods. 1,845,108; Feb. 16.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Device for cambering spring leaves. 1,851,884; Mar. 29.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Propeller hub for aircraft engines with a reducing gear of the sun and planet wheel type. 1,856,529; May 3.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Device for coupling two aircraft engines with pulling or tractive screw propellers rotating in opposite directions. 1,859,911; May 17.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Carburetor of aircraft engines for insuring the regular engine working in inverted load conditions. 1,889,304; Nov. 29.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Engine drive for aircraft propellers. 1,889,305; Nov. 29.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Automatic device for limiting the speed of internal combustion engines, more particularly of tractor engines or the like. 1,892,597; Dec. 27.
Zerick, Howard E., Ford City, Pa. Typewriter line spacer. 1,856,612; May 3.
Zerk, Oscar U., Chicago, Ill. Hosiery and making the same. 1,852,138; Apr. 5.
Zerk, Oscar U., Chicago, Ill. Tripod. 1,883,276; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating appliance. 1,870,433; Aug. 9.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating means and method. 1,882,053; Oct. 11.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,883,273; Oct. 18.
Zerk, Oscar U., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricant reservoir and dash pump. 1,883,274; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating nipple. 1,883,275; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubrication method and means. 1,883,277; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating coupler. 1,883,278; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating coupler. 1,883,279; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,883,280; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating. 1,883,281; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,883,282; Oct. 18.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,883,283; Oct. 18.
Zerk, Oscar U., Cleveland, Ohio. Brush. 1,889,394; Nov. 29.
Zerk, Oscar U., Cleveland, Ohio. Brush. 1,889,395; Nov. 29.
Zern, Leidy D., and R. C. Munkwitz, College Park, Md., dedicated, by mesne assignments, to the Citizens of the United States of America. Making chocolate milk without sedimentation. 1,849,030; Mar. 8.
Zerne, Gustav A., Brooklyn, N. Y. Electrical contact pad. 1,859,271; May 17.
Zerne, Gustav A., Brooklyn, N. Y. Diathermic electrode and applicator. 1,889,272; Nov. 29.
Zero Heat Cone Company, The Proprietary Limited. (See Smith, Frank D., assignor.)
Zerozone, Incorporated. (See Bihl, William E., assignor.)
Zerozone, Incorporated. (See Bihl, W. E., and Ramclaw, assignors.)
Zerozone, Incorporated. (See McKeague, James, assignor.)
Zerrmuth, Rudolf E., Camden, N. J., assignor to New Jersey Wire Stitching Machine Co. Wire stapling machine. 1,855,162; Apr. 19.
Zerrmuth, Rudolf E., assignor to New Jersey Wire Stitching Machine Co., Camden, N. J. Wire feeding attachment for wire stitching and other machines. 1,855,163; Apr. 19.
Zervas, Paul. (See Clingestein, H., and Zervas.)
Zervas, Paul. (See Clingestein, H., Zervas, and Schweitzer.)
Zerver, David, Remscheid-Vieringhausen, Germany. Holder for tools or implements. 1,847,203; Mar. 1.
Zerweck, Werner. (See Hentrich, W., Hardtmann, Hilger, and Zerweck.)
Zerweck, Werner. (See Herz, R., Schubert, and Zerbeck.)
Zerweck, Werner. (See Herz, R., and Zerweck, assignors.)
Zerweck, Werner. (See Kunz, M. A., Koeberle, and Zerweck.)
Zerweck, Werner, Fechenheim, near Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing monohalogen derivatives of naphthostyril and substitution products thereof. 1,877,114; Sept. 13.
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing vatstuffs of the anthanthrone series. 1,878,058; Sept. 20.
Zerwer, Adam G. P., assignor of one-fifth to J. H. Fetterhoff and one-fifth to A. J. Zerwer, Whiting, Ind. Heater for oil tanks. 1,892,197; Dec. 27.
Zerwer, George J., et al. (See Zerwer, Adam G. P., assignor.)
Zesbaugh, Lawrence G., assignor to The Insulite Company, Minneapolis, Minn. Conveying apparatus. 1,853,392; Apr. 12.
Zetsche, Jonni, N. Petersen, Hamburg, Germany, and J. Sinclair-Ross, London, England, said Petersen assignor to said Zetsche and said Sinclair-Ross. Electric motor. 1,873,171; Aug. 23.
Zetsche, Jonny, and N. Petersen, Hamburg, Germany, and J. Sinclair-Ross, London, England; said Petersen assignor to said Zetsche and said Sinclair-Ross. Electric motor. 1,845,386; Feb. 16.
Zettek, Frank, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Cordage machine. 1,864,162; June 21.

Zettelmayer, Peter, et al. (See Buchmüller, Alfred, assignor.)
Zetterberg, Gustaf V., or, Sweden. Combined gas and steam turbine. 1,887,001; Nov. 8.
Zettergren, Birger. (See Thellmod, J. B., and Zettergren.)
Zettergren, Birger, assignor to Helge Gustaf Toruff, Stockholm, Sweden. Machine for kneading, crushing, and similar operations. 1,875,794; Sept. 6.
Zetterlund, Theodor, assignor to Kerner Automatic Hoist Co., Milwaukee, Wis. Hoisting mechanism. 1,849,213; Mar. 15.
Zetzman, William, Post, Tex. Cultivator attachment. 1,864,394; June 21.
Zeun, Louis H., Catonsville, assignor to John B. Adt Company, Baltimore, Md. Tobacco cutting machine. 1,852,341; Apr. 5.
Zeun, Louis H., Catonsville, assignor of one-third to A. W. Adt and one-third to J. B. Adt, Baltimore, Md. Leaf feeding attachment for tobacco stemming machines. 1,863,149; June 14.
Zeun, Louis H., Catonsville, assignor of one-third to A. W. Adt and one-third to J. B. Adt, Baltimore, Md. Tobacco stemming and stripping machine. 1,879,651; Sept. 27.
Zeyen, Adam, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding couch. 1,865,606; July 5.
Zibelman, Frank A., Chicago, Ill. Cigar lighter. Des. 87,422; July 30.
Ziekmantel, Carl, Berlin, Germany. Shaving utensil. 1,886,860; Nov. 8.
Zieky, Andrew, New York, N. Y. Shotgun loader. 1,874,408; Aug. 30.
Zidovec, August, San Anselmo, Calif. Can opener. 1,852,389; Apr. 5.
Zidro, Matt, Globe, Ariz. Mine timbering apparatus. 1,856,682; May 3.
Ziebarth, Ernest H., Monterey Park, Calif. Automatic garage. 1,852,233; Apr. 5.
Zieber, William E., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,866,991; July 12.
Zieber, William E., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,866,992; July 12.
Zieber, William E., assignor to York Ice Machinery Corporation, York, Pa. Air agitation for can ice plants. 1,866,993; July 12.
Zieber, William E., assignor to York Ice Machinery Corporation, York, Pa. Air agitation for can ice plants. 1,892,027; Dec. 27.
Ziedins, Jahnis, Riga, Latvia, assignor to Oscar Schenberg, New York, N. Y. Measuring apparatus. 1,863,133; June 14.
Ziedrich, William H. F., Millbrae, Calif. Wire fastener. 1,853,488; Apr. 12.
Ziedrich, William H. F., San Bruno, Calif. Spacing fastener. 1,857,007; May 3.
Ziegler, Charles E., assignor to Clinical Supplies, Incorporated, Pittsburgh, Pa. Atomizer. 1,854,726; Apr. 19.
Ziegler, Edwin S., assignor to York-Hoover Body Corporation, York, Pa. Truck body. 1,856,633; May 3.
Ziegler, Elias, New York, N. Y. Combination tray and lamp standard. Des. 87,285; June 28.
Ziegler, Frank E., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Gas retort. 1,851,029; Mar. 29.
Ziegler, Frederick J., Decatur, Ill. Smoker's convenience. 1,872,867; Aug. 23.
Ziegler, Georg, Nuremberg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Winding for electrical machines. 1,889,940; Dec. 6.
Ziegner, Heinrich, Hagen, Germany. Porous body and manufacturing the same. 1,856,684; May 3.
Ziegner, Heinrich, Hagen, Germany. Manufacturing a composition containing matter of the character of caoutchouc. 1,868,787; July 26.
Ziehl, Gustav, Rodenkirchen, near Cologne, Germany. Runner for frameless sliding glass doors. 1,843,059; Jan. 26.
Ziehm, Kurt F. (See Niemann, F. A., and Ziehm.)
Zielinski, Alex, Milwaukee, Wis. Curtain rod. 1,868,439; July 19.
Ziemann, Harry J., assignor to Empire Level Manufacturing Company, Milwaukee, Wis. Plasterer's hawk. 1,884,491; Oct. 25.
Zientek, Paul, Salzburg, Austria. Rail joint. 1,854,361; Apr. 19.
Zierdt, Conrad H., Rosedale, Penn Township, assignor to The Union Switch & Signal Company, Swissvale, Pa. Rectifier. 1,865,450; July 5.
Zies, Clyde W., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Steam trap. 1,867,434; July 12.
Ziese, Walter. (See Hagedorn, Ziese, Reyle, and Bauer.)
Zieve, Benjamin M. (See Dukes, I., and Zieve.)
Zifferblatt, Arnold H. (See Strickler, A., Comer, and Zifferblatt.)
Zifferer, Lothar R., deceased; M. C. Zifferer, H. E. Champion, and H. N. Albright, executors, assignors to Columbia Malleable Castings Corporation, Columbia, Pa. Pipe hanger. 1,850,276; Mar. 22.
Zifferer, Lothar R., deceased; M. C. Zifferer, H. E. Champion, and H. N. Albright, executors, assignors to Columbia Malleable Castings Corporation, Columbia, Pa. Concrete insert. 1,850,276; Mar. 22.
Zifferer, Lothar R., deceased, by M. C. Zifferer and N. Albright, Columbia, Pa., and H. E. Champion, Blue Point, Long Island, N. Y., executors, assignors to Columbia Malleable Castings Corp., Columbia, Pa. Pipe hanger. 1,870,083; Aug. 2.
Zifferer, Lothar R., deceased, Columbia, Pa.; M. C. Zifferer, H. E. Champion, and H. N. Albright, executors, assignors to Utilatree Products Inc., New York, N. Y. Container. 1,883,435; Oct. 18.
Zifferer, Lothar R., deceased, by M. C. Zifferer, H. N. Albright, Columbia, Pa., and H. E. Champion, Blue Point, Long Island, N. Y., assignors to Columbia Malleable Castings Corporation, Columbia, Pa. Apparatus for melting metals. 1,884,953; Oct. 25.
Zifferer, Mabel C., executor, et al. (See Zifferer, Lothar R.)
Zifler, Corban H., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Wire spring making machine. 1,863,916; June 21.
Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
Zimarik, John, Akron, Ohio, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Two-hand control for presses or the like. 1,880,063; Sept. 27.
Zimmer, Jacob, Appleton, Wis. Bread slicing machine. 1,866,960; July 12.
Zimmer Manufacturing Company. (See Ettinger, Joe J., assignor.)
Zimmerer, Frederick J., jr., assignor to The Russell Manufacturing Company, Middletown, Conn. Webbing. Des. 87,887; Oct. 4.
Zimmerer, Mark E., assignor to Kingston Products Corporation, Kokomo, Ind. Internal combustion engine humidifier. 1,889,584; Nov. 29.
Zimmerli, Adolph, New Brunswick, N. J., assignor to Acetol Products, Inc. Plastic composition, film, or article and process of making the same. 1,842,640 Jan. 26.
Zimmerli, Adolph, and R. C. Lyon, New Brunswick, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Purification of quinone. 1,883,284; Oct. 18.
Zimmerli, William F., Portage Township, and W. L. Semon, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Manufacturing rubber articles. 1,841,076; Jan. 12.
Zimmerli, William F., Fairlawn, and R. S. Havenhill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Adhesive composition and making same. 1,892,124; Dec. 27.
Zimmerman, August. (See Flint, A., Zimmerman, and Lee.)
Zimmerman, Beulah B. (See Zimmerman, Harry, assignor.)
Zimmerman, Clifford J. (See Berntson, A. H., and Zimmerman.)
Zimmerman, Frank M., Aurora, Ill. Shelf and label holder. 1,872,053; Aug. 16.
Zimmerman, Fred R. (See Burton, O. M., and Zimmerman.)
Zimmerman, Fred R., assignor to Burton-Dixie Corporation, Chicago, Ill. Spring structure. 1,846,825; Feb. 23.
Zimmerman, Fred R., assignor, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Spring mattress assembly. 1,860,642; May 31.
Zimmerman, Fred R., assignor, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Spring assembly. 1,860,699; May 31.
Zimmerman, George F., Bristol, Va. Reloading tool. 1,864,880; June 28.
Zimmerman, Harry, assignor to Bar-Zinc Toy Manufacturing Co, Inc., New York, N. Y. Whistling toy. 1,839,591; Jan. 5.
Zimmerman, Harry, assignor to R. B. Zimmerman, Toronto, Ontario, Canada. Cutting hexagonal blanks. 1,849,779; Mar. 15.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Tool supporting and operating fixture. 1,845,069; Feb. 16.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Reaming and burnishing tool. 1,883,285; Oct. 18.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Abrasive carrier for cylinder grinding. 1,883,286; Oct. 18.
Zimmerman, Leon C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus used in the process of heat treating metallic articles. 1,850,576; Mar. 22.
Zimmerman, Lester R., Chicago, Ill. Dispensing box. 1,850,254; Mar. 22.
Zimmerman, Paul, assignor to H. A. Brassert & Company, Chicago, Ill. Blast furnace. 1,855,462; Apr. 26.
Zimmerman, Paul, assignor to H. A. Brassert and Company, Chicago, Ill. Blast furnace bell construction. 1,855,463; Apr. 26.
Zimmerman, Rose B., Chicago, Ill. Spring construction. 1,847,230; Mar. 1.

Zimmerman, Rufus E., Pittsburgh, Pa. Wet cleaning tin-plate. 1,865,417; June 28.

Zimmerman, Samuel R., Greenville, S. C. Vehicle jack. 1,878,059; Sept. 20.

Zimmerman, Samuel R., assignor to Auto Wheel Lift Corporation, Greenville, S. C. Vehicle lift. 1,850,905; Mar. 22.

Zimmerman, Samuel R., assignor to Auto Wheel Lift Corporation, Greenville, S. C. Vehicle lift. 1,850,950; Mar. 22.

Zimmerman, Thomas. (See Strickland, S. A., and Zimmerman.)

Zimmerman, Thomas M., Dawson, Pa. Motor vehicle cabinet. 1,860,797; May 31.

Zimmerman, Walter J., Dayton, Ohio, assignor to Mead Paperboard Corporation, Wilmington, Del. Paper manufacture. 1,878,228; Sept. 20.

Zimmermann, Wilhelm, Erkelenz, Germany. Deep boring machine. 1,848,039; Mar. 1.

Zimmerman, William R., assignor to The Bishop & Babcock Mfg. Co., Cleveland, Ohio. Thermostat mechanism. 1,854,362; Apr. 19.

Zimmermann, Max. (See Bauer, Carl, assignor.)

Zimmermann, Max, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of aluminium fluoride. 1,851,475; Mar. 29.

Zimmermann, Max, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposing beryl. 1,851,476; Mar. 29.

Zimmermann, Otto, Hanau, Germany. Penholder. 1,861,171; May 31.

Zimmermann, Paul. (See Vorck, T., and Zimmermann.)

Zimmermann, Raul F., Buenos Aires, Argentina. Thermic interrupter for electrical current. 1,854,395; June 21.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Power transmission for shaping machines. 1,846,707; Feb. 23.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Duo stroke series for shaping machines. 1,846,780; Feb. 23.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Worktable guide for shaping machines. 1,870,434; Aug. 9.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Dual control for universal work table. 1,875,910; Sept. 6.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Tip-top table for shapers. 1,884,492; Oct. 25.

Zimmermann, William F., Maplewood, and J. J. Duffy, assignors to Gould & Eberhardt, Newark, N. J. Table support for shaping machines. 1,843,795; Feb. 2.

Zimmermann, Wilhelm. (See Frankenburger, W., Robl, and Zimmermann.)

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Worm making process. 1,888,782; Nov. 22.

Zimmers, Joseph B., et al. (See Herron, Ollie L., assignor.)

Zimmers, Wilma M. (See Herron, Ollie L., assignor.)

Zimmersbach, Frank J., Hempstead, N. Y. Chain clamping device. 1,839,781; Jan. 5.

Zimolewicz, Johnny J., and A. F. Cox, assignors to Manz Rotogravure Company, Chicago, Ill. Chromium plating apparatus. 1,884,493; Oct. 25.

Zindel, Ernst, Erlenbach, Zurich, Switzerland. Gripping spindle for cop winding machines. 1,852,688; Apr. 5.

Zindel, Ernst, assignor to Firm Schärer-Nussbaumer & Co., Erlenbach, Switzerland. Winder for weft bobbins. 1,865,814; Apr. 26.

Zinecker, Arthur, Chicago, Ill. Automatic gear shifting device. 1,865,997; July 5.

Zingali, Giovanni, Montclair, N. J. Rod clamp. 1,873,731; Aug. 23.

Zingl, Adolph, et al. (See Balthasar, Karl, assignor.)

Zink, Fred W. (See Sroka, M. F., Lennig, and Zink.)

Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Rear view mirror assembly. 1,883,287; Oct. 18.

Zink, Howard E., Fremont, Ohio. Automobile upholstery cover set. 1,860,520; May 31.

Zink, James L. (See Meggenhofen, C. W., and Zink.)

Zink, Theodore, Noel, Mo. Sanitary bedpan. 1,869,036; July 26.

Zinke, Carl J., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,850,651; Oct. 4.

Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Drinking fountain bubbler head. Des. 85,968; Jan. 5.

Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Valve. 1,860,030; May 24.

Zinn, Frank W. (See Thibodeau, Christopher G., assignor.)

Zinner, Daniel, South Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Brown azo dyestuffs. 1,866,786; July 12.

Zinner, Daniel, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Brown azo dyestuffs. 1,866,787; July 12.

Zinner, Daniel, South Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Azo dyestuff and a process of preparation. 1,880,225; Oct. 4.

Zinner, Daniel, South Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Azo dyestuff and making the same. 1,880,226; Oct. 4.

Zins, Hubert, Wabasso, Minn. Veterinary castrating instrument. 1,850,906; Mar. 22.

Zinser, Hermann, assignor to Robert M. Green & Sons, Philadelphia, Pa. Hinge construction. 1,867,046; July 12.

Zinser, Paul R., Chicago, Ill., assignor, by mesne assignments, to Woodall Industries, Incorporated, Detroit, Mich. Electroplating nonconductive materials. 1,866,283; July 5.

Zinser, Paul R., Chicago, Ill., assignor, by mesne assignments, to Woodall Industries, Incorporated, Detroit, Mich. Dies and making the same. 1,868,788; July 26.

Zinser, Paul R., Chicago, Ill., assignor, by mesne assignments, to Woodall Industries, Incorporated, Detroit, Mich. Making metallic bases. 1,869,725; Aug. 2.

Zipay, John R., Pittsburgh, Pa. Variable pitch propeller mechanism. 1,852,499; Apr. 5.

Zipay, John R., Pittsburgh, Pa. Variable pitch propeller mechanism for aeroplanes and the like. 1,852,500; Apr. 5.

Zipay, John R., Pittsburgh, Pa. Variable pitch propeller mechanism. 1,852,501; Apr. 5.

Zipay, John R., Pittsburgh, Pa. Variable pitch propeller mechanism. 1,861,150; May 31.

Zipay, John R., Pittsburgh, Pa. Variable pitch propeller mechanism. 1,877,115; Sept. 13.

Zipp, Frank. (See Lang, F., and Zipp.)

Zippler, Michael, jr., Chattanooga, Tenn. Heating apparatus. 1,843,310; Feb. 2.

Zipser, Abraham V., and C. Roche, Alameda, Calif. Rip cord pulling device. 1,858,609; May 17.

Zirmer, Martin, Portland, Oreg. Construction for closed vehicles. 1,840,701; Jan. 12.

Zirnkilton, Carl G., Philadelphia, Pa. Representing designs. 1,880,652; Oct. 4.

Zisch, Walter, Frankfort-on-the-Main, Germany, assignor, by mesne assignments to The Roessler & Hasslacher Chemical Company, New York, N. Y. Preparation of products which liberate oxygen. 1,878,150; Sept. 20.

Zisch, Walter, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Preparations which give off oxygen and manufacture of same. 1,880,870; Dec. 13.

Zitscher, Arthur. (See Laska, L., and Zitscher.)

Zitscher, Arthur. (See Laska, L., Zitscher, Christ, and Petzold.)

Zitscher, Arthur, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing 2.3-aminonaphthol compounds. 1,850,526; Mar. 22.

Zitscher, Arthur, Offenbach-on-the-Main, and R. Schmitt, Darmstadt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water and making same. 1,846,073; Feb. 23.

Zitscher, Arthur, Offenbach-on-the-Main, and R. Schmitt, Darmstadt, Germany, assignors to General Aniline Works Inc., New York, N. Y. Azodyestuffs insoluble in water and making same. 1,846,074; Feb. 23.

Zitscher, Arthur, and Max Müller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing fast printings. 1,857,230; May 10.

Zitscher, Arthur, and W. Wüterich, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Treating water-insoluble azo dyestuffs. 1,877,116; Sept. 13.

Zitzer, Gustave, assignor to Fretz-Gross & Co., Philadelphia, Pa. Tilting device for umbrellas. 1,881,990; Oct. 11.

Zitzmann, Arthur. (See Bescherer, E. A., and Zitzmann.)

Zivkovic, Zaharije, Belgrade Yugoslavia. Rocking horse, rocking chair, and the like. 1,891,731; Dec. 13.

Zlomke, Paul A. (See Montbriand, Richard, assignor.)

Znidersic, Anton, Fiume, Italy. Cabinet particularly bookcase. 1,870,763; Aug. 9.

Zobel, Otto J., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrical wave filter. 1,850,146; Mar. 22.

Zobell Electric Motor Corporation. (See Parvin, Edward G., assignor.)

Zocher, Hans, Berlin, Germany, assignor to General Electric Company. Polarizers of light and a method of preparation. 1,873,951; Aug. 30.

Zodrow, Franz, Reinickendorf-Ost and E. Schrank, Kalkberge, Germany, assignors to Westinghouse Electric and Manufacturing Company. Multiple conductor fuse. 1,889,585; Nov. 29.

Zodtner, Heinrich, Berlin-Birkenwerder, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Cooling arrangement for high frequency apparatus. 1,873,804; Aug. 23.

Zoerb, Howard M., and R. W. Buettner, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Felting machine. 1,870,940; Aug. 9.

Zografhos, George, Rieth, Oreg. Remedy for hemorrhoids. 1,890,596; Dec. 13.

Zoia, Banquetier Company. (See Orth, Andrew J., assignor.)

Zoll, Robert A., St. Louis, Mo. Square attachment. 1,843,858; Feb. 2.

Zolleis, John G., Philadelphia, Pa. Handle for valves and the like. 1,878,569; Sept. 20.
Zoller, Arnold, Suresnes, France. Engine provided with a rotary compressor. 1,859,264; May 17.
Zous, Frederick W., New York, N. Y. Neon lamp for television. 1,858,698; May 17.
Zook, David F., Evanston, Ill. In-a-door bathroom. 1,859,859; May 24.
Zook, John S. (See Schuite, W. B., and Zook.)
Zook, John S., assignor to Burgess Battery Company, Madison, Wis. Hand lantern. Des. 87,322; July 5.
Zook, Samuel D. (See Young, C. A., and Zook.)
Zorn, Carl, Munich, Germany. Automatically filled fountain pen. 1,858,367; Nov. 22.
Zorn, Charles A., St. Louis, Mo. System of drafting dress patterns. 1,854,494; Oct. 25.
Zorn, Hermann. (See Galle, E., Hofmann, and Zorn.)
Zorn, Hermann. (See Pongratz, E. V., and Zorn.)
Zorn, Hermann, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Conversion of hydrocarbons of higher boiling point into those of lower boiling point. 1,876,270; Sept. 6.
Zornes, Roy C., Los Angeles, Calif., assignor, by mesne assignments, to Zornes Company, Inc. Fireplace construction. 1,864,036; June 21.
Zorsch, Edward A., Rochester, N. Y. Knife and spoon pan rack. 1,866,071; Nov. 1.
Zotos Corporation. (See Evans, Ralph L., assignor.)
Zotos, George, Berlin, Germany. Melting glass and the like. 1,863,708; June 21.
Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Flexible connection. 1,849,131; Mar. 15.
Zoul, Charles V., Los Angeles, Calif. Obtaining oil and other products from olives. 1,876,820; Sept. 13.
Zoul, Charles V., assignor to Coen Companies, Inc., Los Angeles, Calif. Treating clay. 1,884,954; Oct. 25.
Zouri Drawn Metals Company. (See Bristow, Clyde J., assignor.)
Zouri Drawn Metals Company. (See Faas, Rudolph J., assignor.)
Zouri Drawn Metals Company. (See Smith, Lorne C., assignor.)
Zrebiec, Rose, Beaver Falls, Pa. Dishwasher. 1,868,268; July 19.
Zrno, John, Chicago, Ill. Tooth cleaner. 1,882,204; Oct. 11.
Zschappel, William H. (See Renz, William, assignor.)
Zschimmer, Bodo. (See Günther, F., Teller, Immerheiser, and Zschimmer.)
Zschimmer, Bodo. (See Immerheiser, C., and Zschimmer.)
Zschimmer, Bodo, Immerheiser, C., Zschimmer, Fritsch, and Fleischmann.)
Zschoch, Fritz, and H. Rodrian, Unterroblingen, Mansfelder Seekreis, assignors to the Firm A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle, Germany. Refining carnauba wax and similar vegetable waxes. 1,842,002; Jan. 19.
Zuanich, Vincent J., Oakland, Calif. Clamp block. 1,849,214; Mar. 15.
Zubaty, Joseph. (See Zebig, B. H., and Zubaty.)
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer with rotating magnets. 1,857,674; May 10.
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Ventilating apparatus for dynamo-electric machines. 1,883,288; Oct. 18.
Zubaty, Joseph, and J. B. Eshbaugh, assignors to A C Spark Plug Company, Flint, Mich. Heat indicator. 1,862,994; June 14.
Zubaty, Joseph, Flint, Mich., and F. D. Smith, jr., Washington, D. C., assignors to A C Spark Plug Company, Flint, Mich. Filter and rectifying system. 1,864,332; June 21.
Zube, Carl J. (See Hubbert, L. S., and Zube.)
Zuber, John G., assignor to Bell & Howell Company, Chicago, Ill. Photographic camera support. 1,863,891; June 21.
Zuber, Ludwig, Mannheim-Feudenheim, Germany. Shock absorber. 1,890,713; Dec. 13.
Zublin, Cesar L., et al. (See Zublin, John A., assignor.)
Zublin, Edward A., et al. (See Zublin, John A., assignor.)
Zublin, John A., Los Angeles, Calif. Bit with cutters having scraping and rolling motions. 1,859,948; May 24.
Zublin, John A., Los Angeles, Calif. Apparatus for core orientation. 1,859,949; May 24.
Zublin, John A., Los Angeles, Calif. Core catcher. 1,859,950; May 24.
Zublin, John A., Los Angeles, Calif. Rotary bit with hammer device. 1,861,042; May 31.
Zublin, John A., Los Angeles, Calif. Fluid control for pneumatic oil lifts. 1,887,746; Nov. 15.
Zublin, John A., assignor of one-half to C. L. Zublin and one-half to E. A. Zublin, Los Angeles, Calif. Improving the wear-resistant qualities of a body. 1,855,330; Apr. 26.
Zublin, John A., assignor to Universal Engineering Company, Los Angeles, Calif. Rotary bit. 1,859,947; May 24.
Zublin, John A., and M. H. Roach, Los Angeles, Calif., said Roach assignor to said Zublin. Core barrel. 1,848,453; Mar. 8.
Zucco, Pierre, San Francisco, Calif. Method and apparatus for forming piles. 1,873,244; Aug. 23.
Zuck, Oral C., and J. J. Dailey, assignors to Hanlon-Waters, Inc., Tulsa, Okla. Tubing catcher. 1,874,688; Aug. 30.
Zucker, Abraham H., Cleveland, Ohio. Floor scrubbing machine. 1,839,824; Jan. 5.
Zucker, George E., East Orange, N. J. Fuel economizer and heat control. 1,871,487; Aug. 16.
Zucker, Milton. (See Moore, C. G., and Zucker.)
Zucker, Milton. (See Mutersbaugh, G. H., Zucker, Helser, and Shope.)
Zucker, Myron. (See Thompson, L. W., and Zucker.)
Zucker, Myron, Royal Oak, Mich., assignor to General Electric Company. Electric regulator. 1,851,692; Mar. 29.
Zucker, Myron, Royal Oak, Mich., assignor to General Electric Company. Electric regulating system. 1,857,174; May 10.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Associating mechanism for web printing machines. 1,893,307; Jan. 3.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Perforating mechanism for use in printing machines. 1,893,289; Oct. 18.
Zuckerman, Adolph M., assignor to R. Hoe & Co., New York, N. Y. Folder for printing machines. 1,885,313; Nov. 1.
Zuckerman, Roscoe C., Stockton, Calif. Adhesive tape container and cutter. 1,869,729; Aug. 2.
Zuckermann, Clara, Vienna, Austria. Clothes hanger. 1,842,498; Jan. 26.
Zuefle, Christian. (See Morgan, E. R., and Zuefle.)
Zuehl, Wray, Eagle Pass, Tex. Dispensing apparatus. 1,861,926; Jan. 19.
Zuhlke, William R. (See Boerg, B., Zuhlke, and Kugeman.)
Zuhlke, Xander Y. (See Jordan, R. B., and Zuhlke.)
Zuhlke, Xander Y., and R. B. Jordan, Bancroft, Nebr. Window heater for automobiles. 1,861,333; May 31.
Zuidema, Frank. (See Kosten, J., and Zuidema.)
Zullig, Emil G., Bergenfield, N. J., assignor to S. Ellen, New York, N. Y. Combined cuff and sleeve embroidered textile fabric. Des. 86,501; Mar. 8.
Zullig, Emil G., Bergenfield, N. J., assignor to S. Ellen, New York, N. Y. Embroidered textile fabric trimming. Des. 86,502; Mar. 8.
Zullo, Samuel, Jersey City, N. J. Phonogram record playing machine. 1,853,652; Apr. 12.
Zu Lowenstein, Karl P., deceased, and W. Muller, Berlin; O. P. Z. Lippe, executrix, of said Lowenstein; assignors to Hirsch, Kupfer and Messingwerke Aktiengesellschaft, Finow (Mark), Germany. Hard alloy. 1,847,617; Mar. 1.
Zu Lynar Passy-de Chimang, Rochus M., Brooklyn, N. Y. Marine vessel. 1,864,396; June 21.
Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Method and apparatus for manufacturing carbon dioxide ice from liquid carbon dioxide. 1,864,396; June 21.
Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Liquid cooler. 1,864,397; June 21.
Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Carbon dioxide snow machine. 1,864,398; June 21.
Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Making carbon dioxide snow. 1,864,399; June 21.
Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa., Scrubbing and absorbing apparatus. 1,866,443; July 5.
Zundt, John W., Wollaston, Mass., assignor to General Register Corporation, Brooklyn, N. Y. Punch mechanism. 1,876,382; Sept. 6.
Zurcher, Paul, Florence, Colo., assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Activated carbon and process of forming. 1,875,795; Sept. 6.
Zurcher, Paul, assignor to Continental Oil Company, Ponca City, Okla. Refining hydrocarbon. 1,884,495; Oct. 25.
Zurcher, William F. (See Butler, G., and Zurcher.)
Zuroma, Peter, et al. (See Foti, Charles, assignor.)
Zutavern, Philipp. (See Schmidt, K. F., and Zutavern.)
Zweibel, Charles A., and T. O'H. Sechrist, Louisville, Ky. Packing material retainer for journal boxes of railway cars. 1,866,692; July 12.
Zweifel, Heinrich, Kornwestheim, and C. W. L. Müller, assignors to the firm Maschinenfabrik Moenus A. G., Frankfort-on-the-Main, Germany. Shoe pounding-up machine. 1,847,547; Mar. 1.
Zwemer, Edward J., Holland, Mich. Ash tray. Des. 87,471; Aug. 2.
Zwerina, Rudolf. (See Stolfa, H., and Zwerina.)
Zwermann, Carl H., Robinson, Ill. Combination closet bowl and tank structure. 1,869,401; Aug. 2.

Zwicky, Melchior, Berkshire Heights, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 88,451; Nov. 29.
Zwicky, Melchior, Berkshire Heights, assignor to Textile Machine Works, Wyomissing, Pa. Fabric take-off mechanism for knitting machines. 1,847,706; Mar. 1.
Zwicky, Melchior, Berkshire Heights, assignor to Textile Machine Works, Wyomissing, Pa. Lace-clock mechanism for full-fashioned knitting machines. 1,864,112; June 21.
Zwicky, Melchior, Berkshire Heights, assignor to Textile Machine Works, Wyomissing, Pa. Variable speed drive control. 1,873,099; Aug. 23.
Zwierzina, Alois J. (See Ackerman, E. L., and Zwierzina.)
Zwietusch, Eduard O., Vienna, Austria, assignor to International Standard Electric Corporation, New York, N. Y. Automatic switching apparatus. 1,884,988; Oct. 25.
Zwikker, Cornelis, Eindhoven, Netherlands, assignor to Radio Corporation of America. Acoustic apparatus. 1,878,088; Sept. 20.
Zworykin, Vladimir K. (See Iams, H., and Zworkin.)
Zworykin, Vladimir K. (See Skellett, A. M., and Zworykin.)
Zworykin, Vladimir K. (See Wensley, R. J., and Zworykin.)
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. View transmission system. 1,868,363; June 14.
Zworykin Vladimir K., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television apparatus. 1,870,702; Aug. 9.
Zworykin, Vladimir K., and D. Ulrey, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Mercury arc device with grid control. 1,856,087; May 3.
Zworykin, Vladimir K., Collingswood, N. J., and H. A. Iams, San Diego, Calif., assignors to Westinghouse Electric and Manufacturing Company. Photocell amplifier. 1,872,381; Aug. 16.
Zybach, Frank L. (See Chase, L. W., Zybach, and Brand.)

LIST OF DISCLAIMERS

Ames, Elmer U., Collingswood, deceased, by Caroline F. Ames, Haddonfield, N. J., administratrix. Disclaimer filed by the administratrix. No. 1,780,328; disclaimer filed May 23, 1932; v. 419; p. 300.

Anderson, Carl Eric, Stratford, and William H. Keefe, jr., Bridgeport, Conn. Disclaimer filed by the assignee, The Bryant Electric Company. No. 1,656,851; disclaimer filed Apr. 21, 1932; v. 418; p. 278.

Armstrong, Addison C., Baltimore, Md. Disclaimer filed by the assignee, Campbell Metal Window Corporation. No. 1,783,319; disclaimer filed Nov. 23, 1932; v. 425; p. 434.

Barrows, Donald S., Rochester, N. Y. Disclaimer filed by the assignee, The Symington Company. No. 1,804,081; disclaimer filed Apr. 5, 1932; v. 417; p. 854.

Bassett, Robert S., Buffalo, N. Y. Disclaimer filed by the patentee. No. 1,620,151; disclaimer filed Mar. 19, 1932; v. 417; p. 276.

Becker, Erich, Kladno, Czechoslovakia. Disclaimer filed by the assignee, Poldihutte. No. 1,574,782; disclaimer filed Mar. 14, 1932; v. 417; p. 7.

Benjamin, George Hillard, New York, N. Y. Disclaimer filed by the assignee, Consumers Tobacco Company, Inc. No. 1,224,703; disclaimer filed May 4, 1932; v. 418; p. 824.

Berg, Almer A., Minneapolis, Minn. Disclaimer filed by the patentee. No. 1,793,043; disclaimer filed Feb. 15, 1932; v. 414; p. 541.

Blackmar, Fred W., Providence, R. I. Disclaimer filed by the patentee, assignee, Snap-On Tools, Inc., consenting. No. 1,424,069; disclaimer filed Sept. 6, 1932; v. 422; p. 908.

Boyce, Harrison Hurlbert, Oyster Bay, N. Y. Disclaimer filed by the patentee, Leander Development Corporation, a party of interest, and Moto Meter Gauge & Equipment Corporation, exclusive licensee, assenting. No. 1,275,654; disclaimer filed May 13, 1932; v. 418; p. 1106.

Bradshaw, William M., Wilkinsburg, and Argyle B. Rutter, East Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric and Manufacturing Company. No. 1,853,657; disclaimer filed Apr. 19, 1932; v. 418; p. 278.

Browne, Ralph C., Salem, Mass. Disclaimer filed by the assignee, The United States of America, by the Secretary of the Navy. No. 1,707,112; disclaimer filed Feb. 1, 1932; v. 415; p. 753.

Browne, Vere B., Brackenridge, Pa. Disclaimer filed by the patentee. No. 1,784,811; disclaimer filed Oct. 22, 1932; v. 424; p. 819.

Bruijnes, Johannes, Jacob van der Hoeven, and Ekko Oosterhuis, Eindhoven, Netherlands. Disclaimer filed by the assignee, N. V. Philips' Gloeilampenfabrieken. No. 1,777,253; disclaimer filed July 13, 1932; v. 421; p. 236.

Bush, Vannevar, West Medford, Mass. Disclaimer filed by the assignee, Raytheon, Inc. No. 1,709,427; disclaimer filed Apr. 20, 1932; v. 418; p. 278.

Byrnes, Clarence P., Sewickley, Pa. Disclaimer filed by the patentee. No. 1,815,547; disclaimer filed Feb. 20, 1932; v. 416; p. 903.

Carter, Sidney D., Parnassus, Pa. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 1,776,650; disclaimer filed June 24, 1932; v. 420; p. 576.

Cartlidge, Frank, Claremont, N. H. Disclaimer filed by the assignee, Sullivan Machinery Company. No. 1,734,938; disclaimer filed Jan. 29, 1932; v. 415; p. 753.

Cartlidge, Frank, Claremont, N. H. Disclaimer filed by the assignee, Sullivan Machinery Company. No. 1,734,940; disclaimer filed Jan. 29, 1932; v. 415; p. 753.

Chandler, Milton Jay, Chicago, Ill. Disclaimer filed by the assignee, Bendix Stromberg Carburetor Company. No. 1,656,369; disclaimer filed Aug. 10, 1932; v. 422; p. 10.

Claude, Georges, Paris, France. Disclaimer filed by the assignee, E. I. du Pont de Nemours & Company. No. 1,544,373; disclaimer filed Sept. 30, 1932; v. 423; p. 929.

Clement, Alvah W., Cleveland, Ohio. Disclaimer filed by the assignee, American Stainless Steel Company. No. 1,365,091; disclaimer filed Feb. 9, 1932; v. 416; p. 541.

Clement, Alvah W., East Cleveland, Ohio. Disclaimer filed by the assignee, Electro Metallurgical Company. No. 1,365,091; disclaimer filed Apr. 8, 1932; v. 418; p. 10.

Coast, jr., John W., Tulsa, and Gordon T. Granger, Okmulgee, Okla. Disclaimer filed by the assignee, Gasoline Products Company, Inc. No. 1,786,053; disclaimer filed May 17, 1932; v. 418; p. 1107.

Cooper, George E., West Allis, Wis. Disclaimer filed by the assignee, Allis-Chalmers Manufacturing Company. No. 1,706,842; disclaimer filed Nov. 5, 1932; v. 425; p. 8.

Cousino, Walter P., Curtice, Ohio. Disclaimer filed by the assignee, International Spotlight Corporation. No. 1,327,945; disclaimer filed June 15, 1932; v. 420; p. 9.

Cross, Grosvenor M., Minneapolis, Minn. Disclaimer filed by the patentee. No.1,618,516; disclaimer filed July 20, 1932; v. 421; p. 236.

Davenport, Ransom W., Detroit, Mich. Disclaimer filed by the assignee, Chicago Pneumatic Tool Company, the patentee, said Davenport assenting. No. 1,769,117; disclaimer filed Oct. 1, 1932; v. 423; p. 936.

De Giers, Clarence A., New York, N. Y. Disclaimer filed by the patentee, assignee, The Liquidometer Corporation, assenting. No. 1,791,489; disclaimer filed June 6, 1932; v. 420; p. 10.

Dillon, Joseph H., Wilmette, Ill. Disclaimer filed by the assignee, Dillon Pulley Company. No. 1,625,640; disclaimer filed Oct. 14, 1932; v. 424 p. 334.

Dodds, Redus D., Humble, Tex. Disclaimers (two cases) filed by the assignee, George J. Barrett, Southeastern Lubrichaux, and Wm. J. Miller, and the sole and exclusive licensee, Reed Roller Bit Company. Nos. 1,235,883 and 1,295,134; disclaimer filed June 30, 1932; v. 420; p. 576.

Dressler, Philip d'Hue, Cleveland, Ohio. Disclaimer filed by the assignee, Swindell Dressler Corporation. No. 1,812,432; disclaimer filed Oct. 18, 1932; v. 424; p. 620.

Dugan, Joseph, Los Angeles, Calif. Disclaimer filed by the patentee. No. 1,733,531; disclaimer filed Mar. 8, 1932; v. 417; p. 8.

Edwards, Charles R., Houston, Tex. Disclaimer filed by the patentee. No.1,514,585; disclaimer filed Mar. 8, 1932; v. 417; p. 7.

Ellis, Carleton, Montclair, N. J. Disclaimer filed by the assignee, Ellis-Foster Company. No. 1,536,881; disclaimer filed Mar. 16, 1932; v. 417; p. 276.

Evans, Harold A., Lynn, Mass. Disclaimer filed by the patentee, the assignee, Pierce Specialty Company, and the exclusive licensee, United Stay Company, Inc. No. 1,831,764; disclaimer filed Oct. 1, 1932; v. 423; p. 936.

Fetyk, Joseph F., New York, N. Y. Disclaimer filed by the patentee, assignee Francis Keil & Son, Inc., assenting and concurring. No. 1,806,991; disclaimer filed May 10, 1932; v. 418; p. 1107.

Finley, Edmund M., Harlin, N. J. Disclaimer filed by the assignee, E. I. du Pont de Nemours & Company. Re. No. 16,803; disclaimer filed May 26, 1932; v. 419 p. 299.

Gebhard, Louis A., Washington, D. C. Disclaimer filed by the assignee, Wired Radio, Inc. No. 1,683,130; disclaimer filed Oct. 1, 1932; v. 423 p. 929.

Goldsmith, Alfred N., and Julius Weinberger, New York, N. Y. Disclaimer filed by the patentees, assignee, Radio Corporation of America, assenting. No. 1,770,205; disclaimer filed May 18, 1932; v. 419 p. 12.

Green, J Birchard, Chicago, Ill. Disclaimer filed by the patentee and the assignee, Francis W. Warden. No. 1,733,795; disclaimer filed Oct. 15, 1932; v. 424 p. 620.

Grondahl, Lars O., Pittsburgh, Pa. Disclaimer filed by the assignee, The Union Switch and Signal Company. No. 1,640,335; disclaimer filed Feb. 29, 1932; v. 416; p. 807.

Gross, Ralph A., Lititz, Pa. Disclaimer filed by the patentee and the assignee, Simplex Paper Box Corporation. No. 1,690,109; disclaimer filed May 21, 1932; v. 419; p. 299.

Hahnemann, Walter, Kitzsberg, near Kiel, Germany. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,764,441; disclaimer filed Mar. 3, 1932; v. 416; p. 808.

Hazeltine, Louis A., Hoboken, N. J. Disclaimer filed by the assignee, Hazeltine Corporation. No. 1,648,808; disclaimer filed Mar. 8, 1932; v. 417; p. 7.

Hersey, Ralph E., Bronxville, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,792,538; disclaimer filed Mar. 22, 1932; v. 417; p. 276.

Herthel, Eugene C., and Thomas De Colon Tifft, Chicago, Ill. Disclaimer filed by the patentees, assignee, Sinclair Refining Company, consenting. No. 1,677,773; disclaimer filed Apr. 9, 1932; v. 418; p. 278.

Hiatt, Enos B., Palisade, Colo. Disclaimer filed by the assignee, Carpenter-Hiatt Company. No. 1,593,302; disclaimer filed May 31, 1932; v. 420; p. 9.

Hunt, Francis H., Leonia, N. J. Disclaimer filed by the patentee, assignee, Raymond Concrete Pile Company, acquiescing. No. 1,870,050; disclaimer filed Nov. 11, 1932; v. 425; p. 8.

Hurxthal, Frederick E., Salem, Ohio, and Alpheus O. Hurxthal, Philadelphia, Pa. Disclaimer filed by the assignee, Proctor & Schwartz Electric Company. No. 1,540,628; disclaimer filed Jan. 9, 1932; v. 415; p. 224.

Ingle, Henry W., Hartford, Conn. Disclaimer filed by the assignee, Hartford-Empire Company, patentee said Ingle, consenting and concurring. No. 1,843,160; disclaimer filed Aug. 30, 1932; v. 422; p. 605.

Jenkinson, Ross E., Akron, Ohio. Disclaimer filed by the trustee, The Union Trust Company, and the assignee, The Goodyear Tire and Rubber Company. No. 1,705,219; disclaimer filed Sept. 24, 1932; v. 422; p. 619.

Johnson, George T., and Harry W. Sterzbach, Columbus, Ohio. Disclaimer filed by the assignee, The Buckeye Steel Castings Company. No. 1,741,845; disclaimer filed Mar. 17, 1932; v. 417; p. 276.

Kausal, Joseph B., Chicago, Ill. Disclaimer filed by the patentee. No. 1,575,690; disclaimer filed Apr. 9, 1932; v. 418; p. 278.

Kelleher, Daniel, Berea, Ohio. Disclaimer filed by the patentee, assignee, The Foote-Burt Company consenting. No. 1,645,285; disclaimer filed Mar. 26, 1932; v. 417; p. 582.

Klopfer, Carl Albert, Berlin-Steglitz, Germany. Disclaimer filed by the assignee, Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. No. 1,757,051; disclaimer filed July 15, 1932; v. 421; p. 299.

Kubike, Otto J., Akron, Ohio. Disclaimer filed by the assignee, National Rubber Machinery Company. No. 1,778,500; disclaimer filed May 21, 1932; v. 419; p. 299.

Leach, George E., Minneapolis, Minn. Disclaimer filed by the assignee, Brown & Bigelow. Des. No. 85,481; disclaimer filed Jan. 6, 1932; v. 414; p. 823.

Lees, Ernest J., Shaker Heights, Ohio. Disclaimer filed by the patentee. No. 1,807,101; disclaimer filed Dec. 2, 1932; v. 425; p. 618.

Light, George G., Elizabeth, Herbert W. Drake, East Orange, and Maurice A. Bunn, Plainfield, N. J., and William B. Blanton, Brooklyn, N. Y. Disclaimer filed by the assignee, The Western Union Telegraph Co., said patentees concurring. No. 1,778,679; disclaimer filed Feb. 4, 1932; v. 416; p. 542.

Lippert, Henry E., Pittsburgh, Pa. Disclaimer filed by the assignee, The Standard Oil Company. No. 1,797,871; disclaimer filed Jan. 30, 1932; v. 416; p. 8.

Lord, Francis L., Newark, N. J. Disclaimer filed by the assignee, The Lord Laboratories, Inc. No. 1,571,900; disclaimer filed May 7, 1932; v. 418; p. 1.

MacDonald, William W., San Francisco, Calif. Disclaimer filed by the patentee. No. 1,454,397; disclaimer filed May 25, 1932; v. 418; p. 290.

Mahon, Russell C., Detroit, Mich. Disclaimer filed by the assignee, The R. C. Mahon Company. No. 1,641,181; disclaimer filed Sept. 6, 1932; v. 423; p. 619.

Meissner, Alexander, Berlin, Germany. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,751,939; disclaimer filed Apr. 27, 1932; v. 418; p. 551.

Miessner, Benjamin F., South Orange, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,789,950; disclaimer filed Jan. 20, 1932; v. 416; p. 1.

Miessner, Benjamin F., Short Hills, N. J. Disclaimer filed by the assignee, Miessner Inventions, Inc. No. 1,830,401; disclaimer filed Nov. 25, 1932; v. 425; p. 434.

Molster, Albert R., Sacramento, Calif. Disclaimer filed by the patentee. No. 1,442,352; disclaimer filed Jan. 2, 1932; v. 414; p. 823.

Meyer, Adolf, Kusnacht, near Zurich, Switzerland. Disclaimed filed by the assignee, Aktiengesellschaft Brown Boveri & Cie. No. 1,600,690; disclaimer filed Mar. 26, 1932; v. 417; p. 582.

Miner, George H., San Francisco, Calif. Disclaimer filed by the assignee, Amusement Machine Corporation, Ltd. No. 1,802,521; disclaimer filed Dec. 1, 1932; v. 425; p. 617.

Morrell, Jacque C., and Warren F. Faragher, Chicago, Ill. Disclaimer filed by the assignee, Universal Oil Products Company. No. 1,810,673; disclaimer filed Mar. 16, 1932; v. 417; p. 854.

Murphy, Walter P., Chicago, Ill. Disclaimer filed by the assignee, Union Metal Products Company. No. 1,858,358; disclaimer filed May 19, 1932; v. 423; p. 218.

Myers, Hubert A., Toledo, Ohio. Disclaimer filed by the assignee, Myers Regulator Company. Re. 19,565; disclaimer filed Apr. 6, 1932; v. 418; p. 10.

Neill, Charles W., Washington, D. C. Disclaimer filed by the assignee Crouse-Hinds Company. No. 1,723,062; disclaimer filed Dec. 16, 1931; v. 414; p. 1.

Newell, George K. Level Green, Pa. Disclaimer filed by the assignee, The Westinghouse Air Brake Company, the patentee, said Newell, concurring and assenting. No. 1,837,474; disclaimer filed Oct. 28, 1932; v. 424; p. 819.

O'Connor, John F., Chicago, Ill. Disclaimer filed by the assignee, W. H. Miner, Inc. No. 1,840,124; disclaimer filed Apr. 27, 1932; v. 418; p. 558.

Osgood, Charles F., Fairmount, N. J. Disclaimer filed by the assignee, Sullivan Machinery Company. No. 1,824,964; disclaimer filed Apr. 26, 1932; v. 418; p. 556.

Palmer, Granville E., Brookline, and Ernest G. Johnson, Boston, Mass. Disclaimer filed by the assignee, The Palmer Electric & Manufacturing Co. No. 1,770,425; disclaimer filed Feb. 9, 1932; v. 416; p. 541.

Pearson, Gustav C., Denver, Colo. Disclaimer filed by the assignee, Gardner-Denver Company. No. 1,744,917; disclaimer filed May 24, 1932; v. 419; p. 299.

Pedersen, John D., Jackson, Wyo. Disclaimer filed by the patentee. No. 1,815,524; disclaimer filed July 18, 1932; v. 421; p. 256.

Pederson, John P., Chicago, Ill. Disclaimer filed by the assignee, Ditto Incorporated. No. 1,820,244; disclaimer filed Nov. 3, 1932; v. 424; p. 819.

Peller, Karl E., West Hartford, Conn. Disclaimer filed by the patentee, assignee, Hartford-Empire Company, concurring and consenting. No. 1,823,123; disclaimer filed July 11, 1932; v. 421; p. 256.

Peller, Karl E., West Hartford, Conn. Disclaimer filed by the assignee, Hartford-Empire Company, and ratified by the patentee, said Peller. No. 1,589,304; disclaimer filed Nov. 3, 1932; v. 424; p. 819.

Peller, Karl E., West Hartford, Conn. Disclaimer filed by the assignee, Hartford-Empire Company. No. 1,573,742; disclaimer filed Dec. 2, 1932; v. 425; p. 617.

Prentice, George E., Berlin, and Robert C. Legat, New Britain, Conn. Disclaimer filed by the assignee, G. E. Prentice Manufacturing Company. No. 1,658,392; disclaimer filed Feb. 6, 1932; v. 416; p. 541.

Raleigh, Walter F., Ames, Iowa, and Cromwell B. Dickey, Milwaukee, Wis. Disclaimer filed by the patentees and the assignee, Pittsburgh Plate Glass Co. No. 1,734,646; disclaimer filed Jan. 30, 1932; v. 415; p. 753.

Reid, James S., Cleveland, Ohio. Disclaimer filed by the assignee, The Easton Axle & Spring Company. No. 1,806,218; disclaimer filed Apr. 5, 1932; v. 417; p. 854.

Reid, John, Oil City, Pa. Disclaimer filed by the assignee, Joseph Reid Gas Engine Company. No. 1,716,738; disclaimer filed Nov. 17, 1931; v. 414; p. 8.

Richardson, Ulysses M., Chicago, Ill. Disclaimer filed by the patentee and the assignee of one-half interest, James B. Crowley. No. 1,472,678; disclaimer filed May 6, 1932; v. 418; p. 744.

Ringel, Abraham, Brooklyn, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,823,512; disclaimer filed Feb. 4, 1932; v. 416; p. 541.

Rogers, John F., Cleveland Heights, and Elkins R. Young, jr., and Robert Wetherill, jr., Cleveland, Ohio. Disclaimer filed by the assignee, The Wellman Engineering Company. No. 1,595,787; disclaimer filed Jan. 15, 1932; v. 415; p. 224.

Rosenbaum, Rudolph R., Chicago, Ill. Disclaimer filed by the assignee, Genuine Products Company, Inc. No. 1,824,983; disclaimer filed Oct. 8, 1932; v. 424; p. 1.

Rosenberg, Heyman, New York, N. Y. Disclaimers filed by the patentee and the exclusive licensee, Parker-Kalon Corporation (three cases). Nos. 1,299,232, 1,311,184, and 1,465,148; disclaimers filed Mar. 28, 1932; v. 417; p. 581.

Rosenblum, Israel, Jackson Heights, N. Y. Disclaimer filed by the patentee. No. 1,808,716; disclaimer filed Nov. 19, 1932; v. 425; p. 434.

Ryding, Herbert C., Auburn, Ala. Disclaimer filed by the patentee. No. 1,719,452; disclaimer filed Apr. 16, 1932; v. 418; p. 278.

Sachs, Joseph, Hartford, Conn. Disclaimer filed by the patentee. No. 1,294,176; disclaimer filed Aug. 2, 1932; v. 421; p. 851.

Savoye, Charles L., Hackensack, and Howard J. Kerr, Westfield, N. J. Disclaimer filed by the assignee, The Babcock & Wilcox Company. No. 1,788,207; disclaimer filed June 3, 1932; v. 420; p. 10.

Scharf, Hans, Berlin, Germany. Disclaimer filed by the assignee, Brandes Products Corporation. Re. No. 17,533; disclaimer filed Apr. 15, 1932; v. 418; p. 278.

Schuler, Howard G., Los Angeles, Calif. Disclaimer filed by the assignee, Carl F. Rauen. No. 1,720,007; disclaimer filed Feb. 19, 1932; v. 416, p. 808.

Schulz, George W., Cleveland, Ohio. Disclaimer filed by the assignee, Yawman and Erbe Mfg. Co. No. 1,765,742; disclaimer filed July 11, 1932; v. 421; p. 1.

Scott, Winfield, Nitro, W. Va. Disclaimer filed by the assignee, The Research Service Laboratories Company. No. 1,732,486; disclaimer filed Jan. 14, 1932; v. 415; p. 224.

Short, Charles Reuben, Detroit, Mich. Disclaimer filed by the assignee, General Motors Corporation. No. 1,383,035; disclaimer filed Oct. 18, 1932; v. 424; p. 620.

Skeats, Wilfred F., Scotia N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,834,807; disclaimer filed Sept. 29, 1932; v. 423; p. 619.

Sklarek, Clifford, Chicago, Ill. (three cases). Disclaimers filed by the assignee, International Spotlight Corporation. Nos. 1,675,915, 1,682,150, and 1,699,124; disclaimers filed June 15, 1932; v. 419; pp. 9 and 10.

Smith, Harry C., Los Angeles, Calif., and Jean B. Gregg, St. Paul, Minn. Disclaimer filed by the assignee, Autodrink Corporation. No. 1,593,853; disclaimer filed July 18, 1932; v. 421; p. 554.

Smith, John Hugo, Detroit, Mich. Disclaimer filed by the assignee, Eclipse Interchangeable Counterbore Company. Re. No. 16,817; disclaimer filed Jan. 18, 1932; v. 415; p. 224.

Spreen, Charles C., Detroit, Mich. Disclaimer filed by the assignee, Copeman Laboratories Company. No. 1,688,887; disclaimer filed Jan. 16, 1932; v. 415; p. 224.

Steckel, Abram P., Youngstown, Ohio. Disclaimer filed by the assignee, The Cold Metal Process Company. No. 1,779,195; disclaimer filed Sept. 23, 1932; v. 423; p. 619.

Steenstrup, Christian, Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,701,543; disclaimer filed Mar. 1, 1932; v. 416, p. 808.

Stevenson, Earl P., and Harry A. Buron. Disclaimer filed by the assignee, The Richardson Company. No. 1,771,150; disclaimer filed July 9, 1932; v. 421 p. 1.

Strongson, Herman L., New York, N. Y. Disclaimer filed by Carl F. Siemon, receiver of the assignee, The Connecticut Electric Manufacturing Co. No. 1,785,463; disclaimer filed Feb. 5, 1932; v. 416, p. 541.

Sundback, Gideon, Meadville, Pa. Disclaimer filed by the assignee, Hookless Fastener Company. No. 1,219,881; disclaimer filed Apr. 6, 1932; v. 417; p. 854.

Sweetland, Ernest J., Hazleton, Pa. Disclaimer filed by the patentee and the sole licensee, Motor Improvements, Inc. No. 1,594,334; disclaimer filed Feb. 29, 1932; v. 416; p. 807.

Thiriet, André, Lyon, France. Disclaimer filed by the assignee, Papeteries Navarre. No. 1,829,378; disclaimer filed Sept. 9, 1932; v. 423; p. 8.

Thomas, Adolph A., New York, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,767,777; disclaimer filed May 14, 1932; v. 418; p. 1107.

Turner, Edwin Archer, New York, N. Y. Disclaimer filed by the assignee. The Standard Stoker Company, Inc. No. 1,814,648; disclaimer filed Jan. 27, 1932; v. 416; p. 8.

Vienneau, Jacob J., Pittsfield, Mass. Disclaimer filed by the assignee, General Electric Company. No. 1,834,811; disclaimer filed Jan. 22, 1932; v. 416; p. 8.

Vincent, William J., Rochester, N. Y. Disclaimer filed by the assignee, Rochester Telephone Corporation. No. 1,821,193; disclaimer filed Oct. 5, 1932; v. 424; p. 1.

Vogt, Hans, Berlin-Wilmersdorf, Joseph Massolle, and Josef Engl, Berlin-Grunewald, Germany. Disclaimer filed by the assignee, American Tri-Ergon Corporation. No. 1,825,598; disclaimer filed Nov. 23, 1932; v. 425; p. 218.

Waite, George, Buffalo, N. Y. Disclaimer filed by the assignee, Irving Air Chute Company, Inc. No. 1,758,871; disclaimer filed Sept. 15, 1932; v. 423; p. 297.

Walsh, Philip John, San Francisco, Calif. Disclaimer filed by the patentee, No. 1,669,958. Disclaimer filed Feb. 29, 1932; v. 416; p. 807.

Walters, Rollo F., Detroit, Mich. Disclaimer filed by the assignee, United-Carr Fastener Corporation. No. 1,845,991; disclaimer filed Aug. 20, 1932; v. 422; p. 10.

White, Edwin L., Honolulu, Hawaii. Disclaimer filed by the assignee, Wired Radio, Inc. No. 1,735,344; disclaimer filed Oct. 1, 1932; v. 423; p. 929.

Wielage, Marcus F., Cleveland, Ohio. Disclaimer filed by the assignee, International Spotlight Corporation. No. 1,434,468; disclaimer filed June 15, 1932; v. 420 p. 9.

Wilkoff, Arthur E., and Olaf J. Nyberg, Niles, Ohio. Disclaimer filed by the assignee, Youngstown Steel Car Corporation. No. 1,857,704; disclaimer filed Nov. 2, 1932; v. 424; p. 820.

Willson, George L., New York, N. Y. Disclaimer filed by the assignee, New England Fibre Blanket Company. No. 1,545,626; disclaimer filed May 27, 1932; v. 420; p. 9.

Winning, Robert K., Wauwatosa, Wis. Disclaimer filed by the assignee, Clum Manufacturing Company. No. 1,809,368; disclaimer filed Feb. 29, 1932; v. 416; p. 808.

Winship, Albert W., Utica, N. Y. Disclaimer filed by the patentee. No. 1,728,223; disclaimer filed May 4, 1932; v. 418; p. 824.

LIST OF INVENTIONS

Abradant, J. W. Gottschalk. 1,862,263; June 7.
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Abrading. M. L. Hartmann. 1,841,064; Feb. 9.
Abrading apparatus. S. N. Johnson. 1,873,129; Aug. 23.
Abrading apparatus. S. Magnano. 1,873,791; Sept. 20.
Abrading apparatus. R. A. Skriba. 1,862,583; June 14.
Abrading machine. J. W. Cosgrove. 1,866,012; July 5.
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Abrasive applying machine. F. J. Horton and R. W. Lewis. 1,881,590; Oct. 11.
Abrasive article. E. B. Wyatt. 1,857,340; May 10.
Abrasive articles, Joining. F. J. Tone. 1,877,541; Sept. 13.
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Abrasive blasting system. L. P. Pelk. 1,889,131; Nov. 29.
Abrasive carrier for cylinder grinding tools. H. W. Zimmerman. 1,883,286; Oct. 18.
Abrasive composition. E. A. Nill. 1,844,175; Feb. 9.
Abrasive compound. H. Driscoll. 1,845,250; Feb. 16.
Abrasive device. F. O. Albertson and G. A. Olsen. 1,861,773; June 7.
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Abrasive element. E. J. Weil. 1,884,436; Oct. 25.
Abrasive reamer. C. W. Tydeman. 1,841,343; Jan. 12.
Abrasive wheel, Segmental. G. N. Jeppson and T. Larsson. 1,865,523; July 5.
Abrasives, Controlled conveying and feeding of. J. A. Healy. 1,853,611; Apr. 12.
Abrasives for use in continuous glass grinding machines, Apparatus for grinding. F. B. Waldron and J. H. Griffin. 1,843,854; Feb. 2.
Abrasives, Manufacturing. E. C. Schacht. 1,854,071; Apr. 12.
Absorbent for acetylene gas. R. Heppner. 1,846,806; Feb. 23.
Absorbent pad. W. C. Heitmeyer. 1,863,333; June 14.
Absorber, Expansion. J. V. Giesler. 1,870,902; Aug. 9.
Absorber for air cooled refrigerators. A. Lenning. 1,887,651; Nov. 15.
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Absorber, Shock. G. V. Mabrito. 1,849,041; Mar. 8.
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Absorption. J. A. Christmann. 1,867,208; July 12.
Absorption apparatus. E. Altenkirch. 1,861,175; May 31.
Absorption machine. E. Altenkirch. 1,887,909; Nov. 15.
Absorption machine. H. Hähnel. 1,877,857; Sept. 20.
Absorption machine, Continuous. E. Altenkirch. 1,846,626; Feb. 23.
Absorption refrigerating machine. E. Altenkirch. 1,887,957; Nov. 15.
Accelerator and using the same, Rubber. C. J. Romieux and J. Christmann. 1,867,051; July 19.
Accelerator attachment for motor vehicles. J. D. Smith. 1,851,929; Mar. 29.
Accelerator attachment for motors. F. M. Butler. 1,853,504; Apr. 12.
Accelerator control, Foot rest. H. Bailey. 1,862,453; June 7.
Accelerator for internal combustion engines. P. G. Frazier. 1,857,448; May 10.
Accelerator for power shovels. C. Pennington. 1,877,427; Sept. 13.
Accelerator for refrigeration units of soda fountains. F. Hunt. 1,850,303; Mar. 22.
Accelerator for the vulcanization of rubber. A. Cambron. 1,858,577; May 17.
Accelerator for vulcanization processes. W. Lommel, T. Goost, and H. Friedrich. 1,873,935; Aug. 23.
Accelerator for vulcanization purposes. W. Lommel, T. Goost, and H. Friedrich. 1,873,936; Aug. 23.
Accelerator for vulcanizing rubber compounds. W. Lommel T. Goost, and H. Friedrich. 1,873,937; Aug. 23.
Accelerator of rubber vulcanization. J. Teppema. 1,880,528–9; Oct. 4.
Accelerator of vulcanization. A. M. Clifford. 1,883,878; Oct. 25.
Accelerator of vulcanization. J. Teppema. 1,880,527; Oct. 4.
Accelerator pedal, Automobile. H. D. Adams. 1,883,437; Oct. 18.
Accelerator pedal control. A. J. Abel. 1,855,538; Apr. 26.
Accelerator, Rubber vulcanization. W. Scott. 1,874,639; Aug. 30.
Accelerator, Rubber vulcanization. W. Scott. 1,875,948; Sept. 6.
Accelerator, Vulcanization. W. Lommel, T. Goost, and H. Friedrich. 1,873,934; Aug. 23.
Accelerometer. H. F. Blanchard. 1,842,384; Jan. 26.
Accepting and rejecting machine, Automatic. T. W. Bryant. 1,846,016; Feb. 23.
Access structure. P. E. Schleicher and W. C. Calcott. 1,889,221; Nov. 29.
Accordion. A. Cagnazzo. 1,853,799; Apr. 12.
Accordion. E. Galizi. 1,839,213; Jan. 5.
Accordion. J. Schwarz, sr. 1,852,066; Apr. 5.
Accordion case. M. H. Berlin, C. E. Barber, and C. D. Wilt. 1,881,396; Oct. 4.
Account system. C. K. Rainey. 1,849,382; Mar. 15.
Accounting device. M. R. Lilly. 1,885,928; Nov. 1.
Accounting machine. F. L. Fuller. 1,878,125; Sept. 20.
Accounting machine. C. D. Lake. 1,856,418; May 3.
Accounting machine. W. W. Lasker, jr. 1,847,533; Mar. 1.
Accounting machine. R. L. Muller. 1,864,273; June 21.
Accounting machine. R. L. Muller. 1,881,856; Oct. 11.
Accounting machine. J. R. Peirce. 1,867,027; July 12.
Accounting system and apparatus. J. L. Baber, jr. 1,857,123; May 10.
Accoustic apparatus. C. Zwikker. 1,875,088; Sept. 20.
Accoustic horn and manufacture thereof. A. I. Abrahams. 1,878,360; Sept. 20.
Accumulator, Electric. A. Pouchain. 1,887,167; Nov. 8.
Accumulator, Electric. M. Wilderman. 1,841,998; Jan. 19.
Accumulator, Fluid pressure. N. W. Dorman. 1,861,154; May 31.
Accumulator system. J. W. Stevens and W. H. Kenety. 1,885,561; Nov. 1.
Acenaphthalene, Catalytic oxidation of. A. O. Jaeger. 1,844,390; Feb. 9.
Acenaphthene, Oxidation of. A. O. Jaeger. 1,844,392; Feb. 9.
Acenaphthene, Oxidation of. A. O. Jaeger and R. A. Norton. 1,844,391; Feb. 9.
Acetal, Manufacture of. H. M. Guinot. 1,850,836; Mar. 22.
Acetaldehyde, Production of. Horst, Horst-Dietrich v. d., and R. Wietzel. 1,856,639; May 3.
Acetate, Preparing phenyl mercuric. H. Günzler and A. Moré. 1,879,206; Sept. 27.
Acetates, Making alkali-metal. C. J. Strosacker, C. C. Kennedy, and E. L. Pelton. 1,866,430; July 5.
Acetates, Preparing. C. J. Strosacker, C. C. Kennedy, and E. L. Pelton. 1,866,429; July 5.
Acetic anhydride, Manufacturing. R. Meingast and M. Musgdan. 1,878,593; Sept. 20.
Acetone derivatives and making same, Enolic. B. N. Lougovoy. 1,844,431; Feb. 9.
Acetone derivatives and making same from a mixture of acetone and its enolic form, Enolic. B. N. Lougovoy. 1,844,430; Feb. 9.
Acetone, Manufacture of. J. Al. 1,883,443; Oct. 18.
Acetone, Production of. H. Meerwin and H. Morschel. 1,865,940; July 5.
Acetone, Production of. H. Meerwein and H. Morschel. 1,891,333; Dec. 20.
Acetone, Recovery of. W. R. Ormandy. 1,875,124; Aug. 30.
Acetone soluble formyl esters of cellulose and making the same. H. T. Clarke and C. J. Malm. 1,880,420; Oct. 4.
Acetono-butylic fermentation process. A. Fernbach. 1,854,895; Apr. 19.
Acetylene and ethylene, Preparation of. W. O. Herrmann and E. Baum. 1,864,196; June 21.
Acetylene and other products by thermal treatment of hydrocarbons at atmospheric pressure, Making. R. G. Wulff. 1,843,965; Feb. 9.
Acetylene and other products, Halogenation process of making. R. G. Wulff. 1,880,310; Oct. 4.
Acetylene and other products, Making. R. G. Wulff. 1,880,308; Oct. 4.
Acetylene and other products, Partial pressure of making. R. G. Wulff. 1,880,309; Oct. 4.
Acetylene and oxygen tank carrier. C. Sederland. 1,843,245; Feb. 2.
Acetylene, Apparatus for dry generation of. R. S. Jane. 1,872,741; Aug. 23.
Acetylene by compression, Producing. R. G. Wulff. 1,880,307; Oct. 4.

Acetylene from gases. Removal of. G. F. Horsley. 1,854,141 ; Apr. 12.
Acetylene from petroleum oil, Production of. H. B. Kipper. 1,883,709 ; Oct. 18.
Acetylene generating device. R. A. Boley. 1,860,225 ; May 24.
Acetylene generator. R. J. Kehl. 1,841,446 ; Jan. 19.
Acetylene hydrocarbons from gases, Removal of. K. Braus. 1,842,010 ; Jan. 19.
Acetylene, Production of. P. Askenasy. 1,865,422 ; July 5.
Acetylene, Storing. F. Roffey. 1,863,501 ; June 14.
-chloro-pyridine, Preparation of an. K. Vieweg. 1,855,119 ; Apr. 19.
Acid, Aminocarbazole-sulphonic. E. Tschunkur, E. Kracht, and E. Herdieckerhoff. 1,880,593 ; Oct. 4.
Acid and calcium aluminate slag, Production of phosphoric. J. N. Carothers and S. P. Huger. 1,853,406 ; Apr. 12.
Acid and heat units thereof from digesters and for preparing digester liquor, Apparatus for recovering. J. Strindlund. 1,862,243 ; June 7.
Acid and homologues thereof, Iodo methane sulphonic. A. Ossenbeck, E. Tietze, and O. Hecht. 1,842,626 ; Jan. 26.
Acid and its anhydride, Production of. O. Drossbach. 1,880,901 ; Oct. 4.
Acid and its lactone, Production of galactonic. R. S. Bohn. 1,864,207 ; June 21.
Acid and making same, 1-hydroxy-4-halogen-anthraquinone-2-sulphonic-. E. Honold. 1,886,017 ; Nov. 1.
Acid and making same, Phenylsalicylic. S. L. Bass and H. N. Fenn. 1,839,526 ; Jan. 5.
Acid and methyl acetate, Manufacture of acetic. H. Dreyfus and W. Bader. 1,863,531 ; June 28.
Acid and/or conversion products thereof, Obtaining orthophosphoric. C. H. Milligan and S. Klosky. 1,857,470 ; May 10.
Acid and preparing the same, Abletene sulphonic. C. O. Henke and H. J. Weiland. 1,853,352 ; Apr. 12.
Acid and preparing the same, Water-soluble sludge. S. P. and J. A. Coleman. 1,892,650 ; Dec. 27.
Acid and preparing them, Abletane sulphonic. I. Gubelmann and C. O. Henke. 1,853,348 ; Apr. 12.
Acid and salts thereof and preparing them, Bismuthdithioglycolic. K. Streitwolf, A. Febrle, W. Herrmann, and F. Fritzsche. 1,864,679 ; June 28.
Acid and making same, Sulphonated isatoic. A. Ossenbeck, W. Hentrich, and E. Tietze. 1,887,820 ; Nov. 15.
Acid anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,884,625 ; Oct. 25.
Acid anhydrides, Manufacture of organic. W. O. Herrmann and H. Deutsch. 1,856,251 ; May 3.
Acid anhydrides, Preparation of organic. W. J. Hale. 1,863,788 ; June 21.
Acid, Apparatus for making hydrofluoric. W. J. Harshaw and C. S. Parker. 1,842,092 ; Jan. 19.
Acid, Apparatus for the manufacture of sulphuric. W. S. Allen. 1,865,607 ; July 5.
Acid, Apparatus for the production of hydrocyanic. P. T. Dooley. 1,862,179 ; June 7.
Acid, Beta aminoamide derivatives of arsonic. C. S. Hamilton. 1,859,963 ; Jan. 5.
Acid by the catalytic combustion of ammonia with oxygen or gases rich in oxygen, Preparation of concentrated nitric. I. W. Cederberg. 1,859,863 ; May 24.
Acid, Chamber manufacturing sulphuric. E. B. Miller. 1,889,973 ; Dec. 6.
Acid chlorides, Manufacture and production of aromatic. N. Bennett, H. Dood, and W. C. Spreut. 1,880,169 ; Sept. 27.
Acid compound of pyrazolone, Aromatic arsonic. K. Schirle, W. Herrmann, and F. Fritzsche. 1,841,457 ; Jan. 19.
Acid compounds, Manufacture of glutamic. F. Y. Sen. 1,890,980 ; Dec. 13.
Acid compounds, Reduction of unsaturated. A. O. Jaeger. 1,844,394 ; Feb. 9.
Acid, Concentrating dilute acetic. H. Dreyfus. 1,851,664 ; Mar. 29.
Acid, Concentrating nitric. I. J. Cox, W. E. Kirst, and C. A. Woodbury. 1,878,676 ; Sept. 20.
Acid, Concentration of aqueous formic. R. Wietzel. 1,843,434 ; Feb. 2.
Acid, Concentration of weak phosphoric. C. B. Clark. 1,889,949 ; Dec. 6.
Acid, Decolorizing silicic. H. Carstens and G. Kröner. 1,878,108 ; Sept. 20.
Acid derivatives and anthraquinone bodies therefrom, Production of benzoyl-o-benzoic. D. G. Rogers, J. Ogilvie, and J. H. Crowell. 1,886,237 ; Nov. 1.
Acid derivatives, Making halogenated benzoic. E. C. Fritzsche. 1,892,463 ; Sept. 20.
Acid eliminator for refrigerating apparatus. H. R. Lorauger. 1,860,193 ; May 24.
Acid ester of anthraquinonoxyl-diphenyl-triazine-carboxylic acid amide, Water soluble sulphuric. F. Wieners and W. Bauer. 1,867,125 ; July 12.
Acid esters of aliphatic alcohols, Production of phosphoric. F. Nicolai. 1,844,408 ; Feb. 9.
Acid esters of leuco derivatives of indigoid vat dyestuffs. New water soluble sulphuric. W. Bauer, J. Haller, and L. Zeh. 1,879,028 ; Sept. 27.
Acid esters of the ureas of beta-leucoaminoanthraquinones, Leuco sulphuric. W. Meiser. 1,864,659 ; June 28.
Acid esters, Preparing hydrogenated aromatic carboxylic. F. Stolz, W. Krohs, and H. Schlichenmaier. 1,850,144 ; Mar. 22.
Acid esters, Producing acrylic. W. Bauer. 1,864,884 ; June 28.
Acid esters, Producing acrylic. W. Bauer. 1,890,277 ; Dec. 6.
Acid fermentation by the use of mixed strains of propionic bacteria, Propionic. J. M. Sherman. 1,865,146 ; June 28.
Acid fermentation, Propionic. J. C. Woodruff and P. W. Wilson. 1,875,401 ; Sept. 6.
Acid from ammonia, Manufacture of nitric. I. Hechenbleikner. 1,872,638 ; Aug. 16.
Acid from gases containing the same, Obtaining hydrocyanic. W. Wettstein. 1,887,608 ; Nov. 15.
Acid from petroleum hydrocarbons and producing same. H. A. Bruson. 1,882,762 ; Oct. 18.
Acid from pyroligneous substances, Extracting acetic. E. Ricard and H. M. Guinot. 1,884,241 ; Oct. 25.
Acid from substances containing these constituents, Separate recovery of aluminum and phosphoric. H. Lehrecke. 1,850,017 ; Mar. 15.
Acid, Hydroxyanthrazole-sulphonic. W. Neelmeier and O. Goll. 1,879,425 ; Sept. 27.
Acid in carbonic acid containing gases to carbon monoxide, Reducing the carbonic. F. M. Wiberg. 1,851,473 ; Mar. 29.
Acid in the anhydrous state from its aqueous solutions, Continuous process for the manufacture of acetic. E. Ricard and H. M. Guinot. 1,839,894 ; Jan. 5.
Acid, Isolation of pure alpha-anthraquinone-monosulphonic. R. J. Goodrich and I. Gubelmann. 1,881,498 ; Oct. 4.
Acid, Making benzoic. E. C. Britton. 1,878,462 ; Sept. 20.
Acid, Making heptaldehyde and undecylenic. H. A. Bruson and J. D. Robinson. 1,889,348 ; Nov. 29.
Acid, Making phosphoric. V. Harms. 1,839,478 ; Jan. 5.
Acid, Manufacture of anhydrous acetic. E. Ricard and H. M. Guinot. 1,839,932 ; Jan. 5.
Acid, Manufacture of anhydrous acetic. E. Ricard and H. M. Guinot. 1,860,512 ; May 31.
Acid, Manufacture of chromic. M. J. Udy. 1,878,918 ; Sept. 20.
Acid, Manufacture of cinnamic. G. Bacharach. 1,853,030 ; Apr. 12.
Acid, Manufacture of hydrochloric. E. O. Barstow and S. J. Heath. 1,874,602 ; Aug. 30.
Acid, Manufacture of hydrochloric. A. S. Behrman. 1,843,196 ; Feb. 2.
Acid, Manufacture of hydrochloric. F. S. Low. 1,868,946 ; July 26.
Acid, Manufacture of hydrobromic. A. S. Behrman. 1,870,808 ; Aug. 9.
Acid, Manufacture of hydrocyanic. W. Michael and W. Goez. 1,846,221 ; Feb. 23.
Acid, Manufacture of 1-aminoanthraquinone-2-sulphonic. A. Meyer. 1,871,466 ; Aug. 9.
Acid, Manufacturing of phosphoric. I. Hechenbleikner. 1,851,179 ; Mar. 29.
Acid, Meta-hydroxy-diarylamine-carboxylic. L. Laska and O. Haller. 1,877,906 ; Sept. 20.
Acid, metallic benzoates and alkyl benzoates, Manufacture of benzoic. A. George. 1,866,849 ; July 12.
Acid nitriles. S. Fischl and H. Steiner. 1,876,652 ; Sept. 13.
Acid of the unsaturated hydrocarbons of oils for use as a protein precipitator, Water soluble sulphonic. E. Staegemann. 1,847,023 ; Feb. 23.
Acid, 1-aminoanthraquinone-2-sulphonic. K. Weinand. 1,841,997 ; Jan. 19.
Acid, Ortho chloro para cresol carboxylic. L. Laska and O. Haller. 1,846,127 ; Feb. 23.
Acid, Para chloro ortho cresol carboxylic. L. Laska and O. Haller. 1,846,126 ; Feb. 23.
Acid, Phenol-indol-sulphonic. E. Tschunkur, F. Ballauf, and E. Herdieckerhoff. 1,866,956 ; July 12.
Acid phosphate and producing the same. R. H. McKee. 1,875,879 ; Sept. 6.
Acid phosphate, Manufacture of. A. H. Case. 1,870,602 ; Aug. 9.
Acid phosphate, Manufacturing. B. Ober and E. H. Wight. 1,865,383 ; June 28.
Acid phosphate, Manufacturing. B. Ober and E. H. Wight. 1,869,941 ; Aug. 2.
Acid phosphate, Preparing and ammoniating. B. Ober and E. H. Wight. 1,889,272 ; July 26.
Acid phosphates with ammonia liquor, Reacting. R. L. Sebastian. 1,857,571 ; May 10.
Acid, Poor in silicic and, Preparing hydrofluoric. J. Söll. 1,875,200 ; Aug. 30.
Acid, Preparing abletic. I. Gubelmann, C. O. Henke, and H. R. Lee. 1,846,659 ; Feb. 23.
Acid, Preparing boric. A. Newman. 1,888,391 ; Nov. 22.
Acid, Preparing 4-hydroxy-para-phenyl-ortho-benzoyl-benzoic. P. H. Groggins. 1,843,718 ; Feb. 2.
Acid, Preparing hydrocyanic. R. R. Fulton. 1,872,923 ; Aug. 23.
Acid, Preparing 2-hydroxy-para-phenyl-ortho-benzoyl-benzoic. P. H. Groggins. 1,843,719 ; Feb. 2.

Acid, Preparing 2.3-aminonaphthonic. F. Henle and V. Lanz ..... 1,871,990; Aug. 16.
Acid process, Contact sulphuric. A. O. Jaeger. 1,885,833; Nov. 1.
Acid process, Nitric. G. B. Taylor. 1,840,063; Jan. 5.
Acid, Producing concentrated gaseous hydrochloric. H. Oehme. 1,855,984; Apr. 26.
Acid, Producing dinitroanthrarufinedisulphonic. J. H. Crowell. 1,859,583; May 24.
Acid, Producing formic. D. Strauss and R. Ubsemann. 1,845,504; Mar. 15.
Acid, Producing phosphoric. E. Urbain. 1,849,124; Mar. 15.
Acid, Producing sulphuric. H. Krebs and R. Borchers. 1,856,040; Apr. 26.
Acid, Production of chemically pure phosphoric. W. Müller and J. M. Michel. 1,873,457; Aug. 23.
Acid, Production of concentrated acetic. H. Suida. 1,855,072; Apr. 19.
Acid, Production of diodo-chelidamic. M. Dohrn and P. Diedrich. 1,869,672; Aug. 2.
Acid, Production of diphenyl monosulphonic. C. R. McCullough. 1,865,775; July 5.
Acid, Production of formic. K. Rohde. 1,848,664; Mar. 8.
Acid, Production of gluconic. K. Bernhauer and L. Schinlhof. 1,849,053; Mar. 15.
Acid, Production of lactic and acetic. W. H. Peterson and E. B. Fred. 1,856,425; May 3.
Acid, Production of nitric and sulphuric. H. Bähr. 1,868,868; July 26.
Acid, Production of phosphoric. G. Wietzel and F. Haubach. 1,856,144; May 3.
Acid-proof material and preparing it. K. Franck and K. Dietz. 1,881,180; Oct. 4.
Acid-proof structure. J. K. Wirth. 1,867,960; July 19.
Acid, Purification of phosphoric. A. H. Fiske and C. S. Bryan. 1,858,203; May 10.
Acid, Purifying and concentrating acetic. J. F. W. Schulze. 1,863,698; June 21.
Acid, Purifying phosphoric. G. F. Moore. 1,889,929; Dec. 6.
Acid, Purifying sulphuric. E. A. Taylor. 1,842,884; Jan. 26.
Acid, Recovery of nitric. C. Beck and H. Weissback. 1,857,346; May 10.
Acid, Stabilization of liquid hydrocyanic. M. Walker. 1,856,606; May 3.
Acid substances used in the production of carbon dioxide, Production of. E. W. Geere. 1,841,944; Jan. 19.
Acid sulphate and the normal sulphate of alpha-naphthylamine, Production of the. T. Warburton. 1,860,500; May 31.
Acid, Sulphuric. C. B. Clark. 1,882,208; Oct. 11.
Acid, Synthesis of hydrochloric. E. O. Barstow and S. B. Heath. 1,874,225; Aug. 30.
Acid, Treating sludge. E. B. Conklin. 1,855,878; Apr. 26.
Acid, Treating sludge. J. J. Lawton. 1,878,933; Sept. 20.
Acid, Treatment of crude pyroligneous. E. A. Charles. 1,847,597; Mar. 1.
Acid waste, Disposing of. C. Hinde. 1,855,674; Apr. 26.
Acid with a cyanogen chloride, Manufacture of a mixture of hydrocyanic. H. Lehrecke. 1,886,487; Nov. 8.
Acid with carbon tetrachloride, Dehydrating aqueous acetic. H. T. Clarke and D. F. Othmer. 1,861,841; June 7.
Acids and esters, Manufacture of aliphatic. H. Dreyfus and W. Bader. 1,864,643; June 28.
Acids and fatty acid derivatives, Sulphonating fatty. M. D. Rozenbroek. 1,867,954; July 19.
Acids and making same, Amino benzyl sulphonamides of 3-hydroxy-phenyl-arylamine-carboxylic. L. Laska and O. Haller. 1,868,612; July 26.
Acids and making same, New substituted phenol-carbocylic. L. Laska and O. Haller. 1,891,677; Dec. 20.
Acids and making same, Polyhalogenated fatty. K. Keller and E. Schlecht. 1,858,625; May 17.
Acids and other liquids, Apparatus for elevating. W. H. Exley. 1,845,139; Feb. 16.
Acids and preparing the same, Amino benzyl ortho benzoic. E. T. Howell and O. Stallmann. 1,840,035; Jan. 5.
Acids and preparing the same, 3.5-dihalogen-1-methyl-benzene-4-sulphonyl-carboxylic. E. Ruffo. 1,858,625; May 17.
Acids and products, Preparing organic. H. A. Bruson. 1,889,347; Nov. 29.
Acids and sulphonates, Producing sulphonic. J. B. Terry and R. Craig. 1,867,778; July 19.
Acids and the salts thereof, N-substituted dithiocarbamic. W. Lommel, T. Goost, and H. Friedrich. 1,863,572; June 21.
Acids and their derivatives, Production of monocarboxylic. A. O. Jaeger. 1,885,834; Nov. 1.
Acids and their esters, Manufacture of aliphatic. H. Dreyfus. 1,879,605–6; Sept. 27.
Acids and their esters, Manufacture of aliphatic. H. Dreyfus. 1,884,628; Oct. 25.
Acids, Arylsulphamino-alpha-napthol sulphonic. C. Dobmaier. 1,879,132; Sept. 27.
Acids, Bleaching artificial fatty. W. Pungs. 1,871,082; Aug. 9.
Acids by fermentation of cellulosic materials, Producing. L. M. Christensen and W. N. McCutchan. 1,875,868; Sept. 6.
Acids by fermentation, Production of aliphatic. H. B. Hutchinson. 1,867,946; July 19.
Acids, Concentrating volatile aliphatic. A. Gorhan. 1,858,150; May 10.
Acids, Concentrating volatile aliphatic. A. Gorhan. 1,858,151; May 10.
Acids, Concentration of aliphatic carboxylic. W. Walter, E. Hartmann, and H. Tegmeyer. 1,854,568; Apr. 19.
Acids contained in dilute aqueous solutions, Extraction in the anhydrous state of fatty. É. Ricard and H. M. E. Guinot. 1,860,552; May 31.
2-cyclopenten barbituric. R. Chaux and C. Du-Â Acids, friusse. 1,869,666; Aug. 2.
Acids, Denitration of spent. W. O. Snelling and J. A. Wyler. 1,873,793; Aug. 23.
Acids, Derivatives of 4-quinoline-carboxylic. K. Miescher. 1,881,970; Jan. 11.
Acids, Extracting concentrated volatile aliphatic. A. Gorham. 1,878,695; Sept. 20.
Acids from cellulosic material, Production of organic. D. A. Legg and L. M. Christensen. 1,864,746; June 28.
Acids, Hydrogenation of carboxylic. W. A. Lazier. 1,839,974; Jan. 5.
Acids, Hydroxy-benzocarbazole-carboxylic. A. Schmelzer, F. Ballauf, and H. Hefner. 1,867,106; July 12.
Acids, Making anthraquinone-sulphonic. E. Schwenk. 1,890,866; Dec. 13.
Acids, Manufacture of alkoxybenzophenone di- or tricarboxylic. S. Gassner and B. Bienert. 1,865,096; June 28.
Acids, Manufacture of aromatic. H. A. E. Drescher, D. A. W. Fairweather, and J. Thomas. 1,866,632; July 12.
Acids, Manufacture of glycidic. A. A. Kaufmann. 1,858,551; May 17.
Acids, Manufacture of 1-hydroxy- or 1-alkoxy anthraquinone-3-carboxylic. S. Gassner and B. Bienert. 1,867,069; July 12.
Acids, Manufacturing halogen aryl-thiogly collic. R. Herz, N. Steiger, and H. Hirsch. 1,862,594; June 14.
Acids of fluorene, Ortho-hydroxy-carboxylic. F. Ballauf and A. Schmelzer. 1,867,049; July 12.
Acids or their salts in a purified condition from impure sulphonation products, Recovering sulphonic. E. Eichwald. 1,868,596; July 26.
Acids, Preparation of gall. J. Peyer. 1,861,319; May 31.
Acids, Preparing quinizarin sulphonic. H. Mildner. 1,879,390; Sept. 27.
Acids, Producing sulphonic. J. B. Hill. 1,848,883; Mar. 8.
Acids, Production of aromatic carboxylic. K. H. Meyer and H. Hopff. 1,866,717; July 12.
Acids, Production of hydroaromatic carboxylic. E. Schwenk and H. Jordan. 1,877,991; Sept. 20.
Acids, Production of monocarboxylic. J. Brode and A. Johannsen. 1,859,954; May 24.
Acids, Protection of apparatus against. N. B. Grillet. 1,870,953; Aug. 9.
Acids, Purification of keto. A. O. Jaeger and H. J. West. 1,845,751; Feb. 16.
Acids, Purification of nonvolatile organic. A. O. Jaeger. 1,892,396; Dec. 27.
Acids, Recovery of organic. C. Beck and F. Kremp. 1,880,677; Oct. 4.
Acids, Recovery of organic. H. Franzen and M. Luther. 1,861,058; June 21.
Acids, Separating halo-benzoic. L. E. Mills. 1,882,335; Oct. 11.
Acids, Separation of liquid and solid fatty. E. Schlenker. 1,862,037; June 7.
Acids, Substituted amino-phenyl-arsonic. F. Mietzsch and H. Mylo. 1,892,245; Dec. 27.
Acids, Utilization of mixed. A. O. Jaeger. 1,848,724; Mar. 8.
Acidulating unit. M. D. Broadfield. 1,870,278; Aug. 9.
Acoustic combining system. H. H. Beverage. 1,874,865; Aug. 30.
Acoustic compensaror. B. R. Hubbard. 1,870,569; Aug. 9.
Acoustic device. H. Benecke. 1,879,042; Sept. 27.
Acoustic device. D. G. Blattner. 1,853,955; Apr. 12.
Acoustic device. A. Chiesa. 1,876,858; Sept. 13.
Acoustic device. P. B. Flanders. 1,854,830; Apr. 19.
Acoustic device. R. A. Heising. 1,859,921; May 24.
Acoustic device. E. Johnson. 1,857,841; May 10.
Acoustic device. J. F. Minton and A. S. Ringel. 1,868,019; July 19.
Acoustic device. N. H. Ricker. 1,859,892; May 24.
Acoustic device. V. A. Schlenker. 1,862,552; June 14.
Acoustic device. V. A. Schlenker. 1,862,582; June 14.
Acoustic device. V. A. Schlenker. 1,866,601; July 12.
Acoustic device. V. A. Schlenker. 1,882,974; Oct. 18.
Acoustic device. J. D. Seabert. 1,844,605; Feb. 9.
Acoustic device. J. D. Seabert. 1,844,801; Feb. 9.
Acoustic device. J. D. Seabert. 1,844,802; Feb. 9.
Acoustic device. E. H. Smythe. 1,862,554; June 14.
Acoustic device. E. H. Smythe. 1,871,243; Aug. 9.
Acoustic device. C. N. Warner. 1,845,733; Feb. 16.
Acoustic device. R. L. Wegel. 1,870,271; Aug. 9.
Acoustic device, Piezo electric. A. Meissner. 1,873,715; Aug. 23.
Acoustic diaphragm. N. H. Holland. 1,844,123; Feb. 9.
Acoustic diaphragm. N. H. Holland. 1,860,503; May 31.
Acoustic diaphragm. R. P. May. 1,885,782; May 24.
Acoustic diaphragm. E. C. Nilson. 1,859,629; May 24.
Acoustic diaphragm. H. Stenzel. 1,847,907; Mar. 1.
Acoustic electric energy converter. G. W. Pierce. 1,889,153; Nov. 29.

Acoustic impedance elements, Manufacturing. E. H. Smythe. 1,844,108; Feb. 9.
Acoustic instrument. A. J. Linsell. 1,844,014; Feb. 9.
Acoustic material. M. Mazer. 1,823,405; Sept. 15, 1931.
Acoustic qualities of violins, Increasing the. C. Bonewitz. 1,861,682; June 7.
Acoustic shielding. J. Weinberger. 1,876,117; Sept. 6.
Acoustic vibrations, Electromagnetic recording arrangement for. C. Stille. 1,846,531; Feb. 23.
Acoustical board. W. H. Mason. 1,875,074; Aug. 30.
Acoustical instrument. M. Alden. 1,855,933; Apr. 26.
Acridine derivatives, New. H. Mauss. 1,855,302; Apr. 26.
Actuating device for counters. O. C. Roesen and I. Tornberg. 1,857,762; July 19.
Actuating device for lever-draw-bridges. F. Duwe. 1,865,621; July 5.
Actuating mechanism for pressing machines. E. Davis. 1,881,174; Oct. 4.
Actuator for controlling devices. L. A. M. Phelan. 1,852,333; Apr. 5.
Actuator for sliding doors. H. H. Bailey. 1,850,091; Mar. 22.
Acyl halides, Preparation of. W. J. Hale. 1,850,205; Mar. 22.
Adapter, Electron discharge tube. R. D. Duncan, jr., and A. M. Thomer. 1,853,637; Nov. 8.
Adapter for machine tools. A. C. Maxfield. 1,861,504; June 7.
Adapter for use in connection with grease guns, Attachable. E. J. Brouhard. 1,889,971; Dec. 6.
Adapter for valves. A. F. H. Kohler and A. C. Kautz. 1,880,177; Sept. 27.
Adder and recorder, Sales. W. L. Paden. 1,848,080; Mar. 1.
Adding and listing machine, cash register, etc. O. J. Sundstrand. 1,856,056; Apr. 26.
Adding and registering machine. C. H. Wolfe. 1,884,473; Oct. 25.
Adding and subtracting machine. Decimal and non-decimal. O. J. Sundstrand. 1,885,489; Nov. 1.
Adding and subtracting register. H. A. Foothorap. 1,859,211; May 17.
Adding machine. J. A. Fried and C. Schroder. 1,857,299; May 10.
Adding machine. W. Hucal. 1,854,840; Apr. 19.
Adding machine. W. W. Lasker. 1,842,552; Jan. 26.
Adding machine. R. L. Muller. 1,843,648; Feb. 2.
Adding machine. A. Steinmann. 1,875,519; Sept. 6.
Adding machine. W. F. White. 1,854,170; Apr. 19.
Adding machines, Automatic shuttle mechanism for. F. Link. 1,862,754; June 14.
Adding machines, Printing mechanism for. A. Steinmann. 1,875,518; Sept. 6.
Adding mechanism. A. S. Wheelbarger. 1,853,791; Apr. 12.
Addressing and calculating machine. J. Krell. 1,876,970; Sept. 13.
Addressing machine. C. Chisholm. 1,850,922; Mar. 22.
Addressing machine. C. Talbott. 1,880,903; Oct. 4.
Addressing machines, Attachment for. E. W. Sibley. 1,865,974; July 5.
Adhesion by frosting, Apparatus for preventing. L. K. Townsend. 1,851,740; Mar. 29.
Adhesions, Plastic. W. B. Wescott. 1,852,728; Apr. 5.
Adhesive. M. Levin. 1,852,532; Apr. 5.
Adhesive. L. C. Stille. 1,869,783; Aug. 2.
Adhesive. W. R. Willauer. 1,883,209; Oct. 18.
Adhesive and making the same, Vegetable. I. F. Laucks and G. Davidson. 1,854,700; Apr. 19.
Adhesive and method of making. I. F. Laucks and G. Davidson. 1,883,989; Oct. 25.
Adhesive and to the product thereof, Making a water resistant vegetable protein containing. G. Davidson and I. F. Laucks. 1,855,626; Apr. 26.
Adhesive applying device. E. P. Everett. 1,851,761; Mar. 29.
Adhesive applying device for cigarette machines, in which the adhesive is forced out of a reservoir into distributing nozzles. C. W. Müller. 1,843,040; Jan. 26.
Adhesive composition. W. B. Baker and B. H. Weaver. 1,842,858; Jan. 26.
Adhesive composition and making same. W. F. Zimmerli and R. S. Havenhill. 1,892,123; Dec. 27.
Adhesive, Insulating. A. R. Kemp. 1,882,081; Oct. 11.
Adhesive, manufacture containing casein. G. M. Shisler. 1,886,750; Nov. 8.
Adhesive sheeting. R. G. Drew. 1,856,986; May 3.
Adjustable arm chair. E. Robbins. 1,888,471; Nov. 22.
Adjustable audience seat. W. C. Urling. 1,881,983; Oct. 11.
Adjustable back chair. C. R. Hultgren. 1,889,478; Nov. 29.
Adjustable chair. E. Cross. 1,853,848; Apr. 12.
Adjustable chair. J. S. Glenn. 1,853,971; Apr. 12.
Adjustable hook. R. B. Clark. 1,849,364; Mar. 15.
Adjustable lock. D. Haviland. 1,887,094; Nov. 8.
Adjustable rake. W. Mullen. 1,842,109; Jan. 19.
Adjustable reclining chair. W. L. Bryden. 1,864,798; June 28.
Adjustable seat. J. L. Bronnell. 1,855,219; Apr. 26.
Adjustable seat. J. M. Dorton. 1,839,657; Jan. 5.
Adjustable seat. W. H. Emond. 1,860,612; May 31.
Adjustable seat. G. Flinfermann. 1,890,048; Dec. 6.
Adjustable seat. H. G. Hose. 1,852,012; Apr. 5.
Adjustable seat. S. H. Kuenzel. 1,855,245; Apr. 26.
Adjustable seat. J. A. Roché. 1,861,938; June 7.
Adjustable seat. F. J. Westrope. 1,887,077; Nov. 8.
Adjustable tie-rod. F. C. Crawford. 1,870,283; Aug. 9.
Adjustable wrench. F. H. Andrews. 1,886,146; Nov. 1.
Adjustable wrench. H. Nelson. 1,848,793; Mar. 8.
Adjuster for railway car brake equipment, Slack. H. E. Anderson. 1,845,070; Feb. 16.
Adjusting device, Calibrated. A. S. Howell. 1,868,502; July 26.
Adjusting device for tapered roller bearings, Automatic. J. B. Shoffner. 1,854,776; Apr. 19.
Adjusting device for the parts of optical instruments. O. Barnack. 1,849,445; Mar. 15.
Adjusting mechanism. C. F. Johnson. 1,846,204; Feb. 23.
Adjustment control and indicator. H. F. Elliott. 1,841,941; Jan. 19.
Adjustment for brake and clutch mechanism. W. G. Wilson. 1,854,358; Apr. 19.
Adjustment and making same, Fat-splitting. W. S. Baylis and C. Tietig. 1,849,655; Mar. 15.
Adsorbent material and producing the same. J. B. Barnitt. 1,868,869; July 26.
Adsorbent material, Preparing. G. C. Connolly. 1,868,565; July 26.
Adsorbents, Preparing solid. S. T. Adair. 1,867,435; July 12.
Adsorbents, Revivifying. E. B. Miller. 1,868,581; July 26.
Adsorbents, Treating spent. I. K. Fuller. 1,890,255; Dec. 6.
Adsorbents, Treating spent. I. K. Fuller. 1,890,284; Dec. 6.
Adsorption system. E. B. Miller. 1,872,783; Aug. 23.
Advertising and apparatus, Aerial. E. Udet. 1,857,415; May 10.
Advertising and dispensing device, Combined. B. Bogoslowsky. 1,842,930; Jan. 26.
Advertising and display apparatus, Moving or changing. J. Whitfield and D. Brander. 1,889,302; Nov. 29.
Advertising and displaying machine. J. O'Shea. 1,842,422; Jan. 26.
Advertising and price display board, Combined. La V. E. Larson. 1,856,960; May 3.
Advertising and signaling device. H. K. Harris. 1,877,172; Sept. 13.
Advertising and signaling device. H. K. Harris. 1,888,599; Nov. 22.
Advertising apparatus. R. E. Gillespie. 1,855,287; Apr. 26.
Advertising apparatus. W. Jackson. 1,865,374; June 28.
Advertising apparatus. J. L. O'Neil. 1,866,172; July 5.
Advertising apparatus. O. L. Sheets. 1,853,237; Apr. 12.
Advertising apparatus, Multiform prism. G. W. Eschenbach. 1,888,377; Nov. 22.
Advertising attachment for spare tires. B. Wengard. 1,883,195; Oct. 18.
Advertising attachment for weighing scales. F. P. Jackson. 1,856,339; May 3.
Advertising bulletin, Outdoor. G. D. Overholtz. 1,841,204; Jan. 12.
Advertising device. D. Alamo-Ybarra. 1,839,723; Jan. 5.
Advertising device. H. Andvig. 1,877,441; Sept. 13.
Advertising device. E. Borregard. 1,860,380; May 31.
Advertising device. L. Gallagher. 1,853,806; Apr. 12.
Advertising device. J. F. and C. M. Glaser. 1,846,858; Feb. 23.
Advertising device. L. Greenbaum. 1,839,845; Jan. 5.
Advertising device. J. C. Houck. 1,877,463; Sept. 13.
Advertising device. H. Hueber. 1,848,296; Mar. 8.
Advertising device. H. Knight. 1,865,261; June 28.
Advertising device. W. W. Lingo and C. I. Cronburg. 1,874,199; Aug. 30.
Advertising device. W. F. Loughman. 1,847,403; Mar. 1.
Advertising device. C. D. Mead. 1,840,325; Jan. 12.
Advertising device. E. Metcalfe. 1,847,016; Feb. 23.
Advertising device. M. Murufas. 1,848,646; Mar. 8.
Advertising device. M. H. Page. Re18,512; July 5.
Advertising device. E. R. Phelps. 1,891,009; Dec. 13.
Advertising device. R. Poliakoff and W. C. Roe. 1,880,210; Oct. 4.
Advertising device. E. W. Precourt. 1,869,276; July 26.
Advertising device. L. Prins. 1,855,643; Apr. 26.
Advertising device. A. Rodriguez. 1,861,067; May 31.
Advertising device. B. Rosenthal. 1,854,225; Apr. 19.
Advertising device. L. W. Stonequist and C. Rottum. 1,850,657; Dec. 13.
Advertising device. R. H. Storer. 1,853,707; Apr. 12.
Advertising device. J. A. Taylor. 1,892,194; Dec. 27.
Advertising device. J. N. Thomas. 1,856,520; May 3.
Advertising device. R. A. Tramsue. 1,870,074; Aug. 9.
Advertising device. O. Ulrich. 1870,077; Aug. 2.
Advertising device. F. Watanabe. 1,851,223; Mar. 29.
Advertising device. R. J. Wensley. 1,872,372; Aug. 16.
Advertising device and making the same. D. C. Hodgkin. 1,880,202; Oct. 4.
Advertising device and making the same. D. C. Hodgkin. 1,881,417; Oct. 4.
Advertising device, Electric scintillating jeweler's. A. E. Gover. Re18,314; Jan. 5.
Advertising device for ordering dairy products. J. J. Reinhold. 1,878,541; Sept. 20.

Advertising device. Illuminated. K. M. Wilhelm. 1,859,813 ; May 24.
Advertising device, publicity telegraph, and the like. H. K. Harris. 1,865,371; June 28.
Advertising display. H. V. Marsh. 1,880,099 ; Sept. 27.
Advertising display apparatus. E. A. Bernstein. 1,881,995 ; Oct. 11.
Advertising display device. S. A. Crane. 1,890,314 ; Dec. 6.
Advertising display device. R. D. French. 1,865,848 ; July 5.
Advertising display device. H. T. Walton. 1,882,534 ; Oct. 11.
Advertising exhibitor. A. J. Kaufman. 1,877,406 ; Sept. 13.
Advertising fixture. L. W. Shepardson. 1,845,348 ; Feb. 16.
Advertising installation. P. Schouwstra. 1,858,643 ; May 17.
Advertising matter in tires, Device for supporting. H. E. Kistler. 1,843,031 ; Jan. 26.
Advertising means for stores and the like. J. R. Van Winkle. 1,890,607 ; Dec. 13.
Advertising medium. G. B. Kennedy. 1,853,622 ; Apr. 12.
Advertising medium and score card, Combined. G. L. Pangratz and J. O. Harb. 1,859,982 ; May 24.
Advertising novelty. J. A. Bolinger. 1,863,463 ; June 14.
Advertising or display device. J. B. Hinson. 1,890,258 ; Dec. 6.
Advertising structure, Outdoor. G. D. Overholtz. 1,841,203 ; Jan. 12.
Advertising structure, Outdoor. G. D. Overholtz. 1,853,145 ; Apr. 12.
Advertising structure, Outdoor. G. D. Overholtz. 1,878,884 ; Sept. 20.
Advertising structure, Outdoor. G. D. Overholtz. 1,886,899–900 ; Nov. 8.
Advertising system. L. O. Werner. 1,885,162 ; Nov. 1.
Advertising system and apparatus. A. F. C. Schnoor. 1,844,692 ; Feb. 9.
Adzing machine. J. C. Cook. 1,864,297 ; June 21.
Aeration and gas purification process. F. W. Sperr, jr. 1,866,229 ; July 5.
Aerator and cooler for milk, cream, or other liquids. W. G. Gerdon-Jones. 1,846,908 ; Feb. 23.
Aerial delivery apparatus. S. M. Coffman. 1,843,597 ; Feb. 2.
Aerial device. J. A. Binnie. 1,860,982 ; May 31.
Aerial for transmission and reception of electromagnetic waves, Directional. W. E. Williams. 1,867,958 ; July 19.
Aerial for use in wireless signaling. C. S. Franklin. 1,869,192 ; July 26.
Aerial, Frame. A. Leib. 1,850,112 ; Mar. 22.
Aerial, Radio. F. J. Bodoh and A. O. Sarff. 1,850,914 ; Mar. 22.
Aerial, Radio. A. L. Nell. 1,845,512 ; Feb. 16.
Aerial support. F. W. Bonday. 1,883,508 ; Oct. 18.
Aerial system and feeding system therefor. E. Green. 1,874,966 ; Aug. 30.
Aerial system for wireless signaling. T. L. Eckersley. 1,874,941 ; Aug. 30.
Aerial transportation apparatus. S. O. Spurrier. 1,876,155 ; Sept. 6.
Aerocrete and producing the same, Nailing. C. J. Larkins. 1,856,644 ; May 3.
Aerofoil. E. P. Gaines. 1,874,278 ; Aug. 30.
Aerofoil. F. R. Maxwell, jr. 1,880,967 ; Oct. 4.
Aerofoil-carrying rack. C. Cohen-Venezian. 1,889,350 ; Nov. 29.
Aerofoil operating mechanism. R. R. Osborn. 1,869,211 ; July 26.
Aerofoil section. W. E. Phelan. 1,875,651 ; Sept. 6.
Aerofoils, Covering. W. Harper, jr. 1,861,855 ; June 7.
Aeronautical device. A. E. Dunn. 1,861,534 ; July 12.
Aeronautical device. W. R. Kimball. 1,843,643 ; Feb. 2.
Aeronautical instructing device. J. P. Buckley. 1,865,385 ; July 5.
Aeronautical machine. J. R. Porter. 1,862,803 ; June 14.
Aeroplane. W. M. Alexander. 1,858,128 ; May 10.
Aeroplane. A. Avellone. 1,855,209 ; Apr. 19.
Aeroplane. E. Beaver. 1,878,808 ; Sept. 20.
Aeroplane. N. Caroiin. 1,842,656 ; Jan. 26.
Aeroplane. L. K. Cheswright. 1,851,302 ; Mar. 29.
Aeroplane. W. J. Cooley. 1,870,493 ; Aug. 9.
Aeroplane. E. L. Crozier. 1,840,159 ; Jan. 5.
Aeroplane. T. N. De Bobrovsky and E. Parenzan. 1,842,250 ; Jan. 19.
Aeroplane. J. Dill. 1,855,012 ; Apr. 19.
Aeroplane. D. A. Douglas. 1,874,468–9 ; Aug. 30.
Aeroplane. J. Follno. 1,853,911 ; Apr. 26.
Aeroplane. C. A. Grosser. 1,866,161 ; July 5.
Aeroplane. H. Hahn. 1,851,764 ; Mar. 29.
Aeroplane. J. Hall. 1,842,069 ; Jan. 26.
Aeroplane. J. Hall. 1,852,927 ; Apr. 5.
Aeroplane. S. Heiden. 1,882,589 ; Oct. 11.
Aeroplane. J. Hojnowski. 1,865,552 ; June 28.
Aeroplane. M. Jannin. 1,843,678 ; Feb. 2.
Aeroplane. F. L. Janson. 1,864,438 ; June 21.
Aeroplane. A. V. Kinsel. 1,852,167 ; Apr. 5.
Aeroplane. H. Körner. 1,854,043 ; Apr. 12.
Aeroplane. V. Kutnar. 1,873,651 ; Aug. 23.
Aeroplane. H. Lange. 1,856,219 ; May 3.
Aeroplane. E. H. Lanier. 1,866,214 ; July 5.
Aeroplane. T. M. MacCaskle. 1,843,926 ; Feb. 9.
Aeroplane. A. Marney. 1,851,857 ; Mar. 29.
Aeroplane. C. B. McKnight. 1,845,616 ; Feb. 16.
Aeroplane. G. Merdian. 1,844,777 ; Feb. 9.
Aeroplane. V. Minor. 1,840,594 ; Jan. 12.
Aeroplane. G. Miquel and F. Ladeveze. 1,856,578 ; May 3.
Aeroplane. P. Nachtsheim. 1,891,650 ; Dec. 20.
Aeroplane. T. Nose, K. Machi. 1,891,170 ; Dec. 13.
Aeroplane. J. Picco. 1,861,977 ; June 7.
Aeroplane. G. Reel. 1,865,789 ; July 5.
Aeroplane. G. Reel. 1,873,311 ; Aug. 23.
Aeroplane. W. Reichenbach. 1,868,506 ; July 26.
Aeroplane. D. H. Righton. 1,857,694 ; May 10.
Aeroplane. R. S. Sanford. 1,862,280 ; June 7.
Aeroplane. U. Savoja. 1,875,267 ; Aug. 30.
Aeroplane. J. Sharp. 1,856,223 ; May 3.
Aeroplane. G. C. Sullivan. 1,877,844 ; Aug. 23.
Aeroplane. J. M. Tuten. 1,885,392 ; Nov. 1.
Aeroplane. R. F. Vestvold. 1,841,164 ; Jan. 12.
Aeroplane. J. P. Wiley. 1,874,839 ; Aug. 30.
Aeroplane. B. F. Wilson. 1,885,571 ; Nov. 1.
Aeroplane. L. M. Woolson. 1,845,950 ; Feb. 16.
Aeroplane air pressure redistribution means. J. V. Martin. 1,854,706 ; Apr. 19.
Aeroplane attachment. J. Grobling. 1,886,673 ; Nov. 8.
Aeroplane brake. A. R. Baggarly. 1,852,912 ; Apr. 5.
Aeroplane, Buoyant. M. M. A. Babula. 1,853,653 ; Apr. 12.
Aeroplane construction. J. S. Brylka. 1,887,676 ; Nov. 15.
Aeroplane construction. A. F. Callison. 1,860,076 ; May 24.
Aeroplane construction. W. F. Deutscher. 1,876,635 ; Sept. 13.
Aeroplane construction. J. E. Foster. 1,850,263 ; Mar. 22.
Aeroplane construction. J. E. Foster. 1,883,672 ; Oct. 18.
Aeroplane construction. L. Gastwirth. 1,882,416 ; Oct. 11.
Aeroplane construction. A. Gonsalves. 1,886,478 ; Nov. 8.
Aeroplane construction. La V. F. Wertz. 1,842,637 ; Jan. 26.
Aeroplane control. H. Umesaki. 1,839,716 ; Jan. 5.
Aeroplane engine. V. D. Speer. 1,843,003 ; Jan. 26.
Aeroplane flight control. J. M. Hendrickson. 1,866,596 ; July 12.
Aeroplane float signal. P. A. Kuhn. 1,860,327 ; May 24.
Aeroplane, Four winged. V. C. Decker. 1,846,992 ; Feb. 23.
Aeroplane landing device. F. B. Robb. 1,840,973 ; Jan. 12.
Aeroplane launching device. M. Niemi. 1,861,934 ; June 7.
Aeroplane lifting and driving device. W. A. Fait. 1,850,711 ; Mar. 22.
Aeroplane lifting device. F. G. Runge. 1,845,561 ; Feb. 16.
Aeroplane, Multipowered. A. C. Peterson. 1,845,556 ; Feb. 16.
Aeroplane propeller. J. A. Benson. 1,846,468 ; Feb. 23.
Aeroplane propeller. J. Krasnodmsky. 1,864,492 ; June 21.
Aeroplane propelling means. H. M. Graf. 1,862,789 ; June 14.
Aeroplane propulsion. C. DeGanahl. 1,887,148 ; Nov. 8.
Aeroplane safety device. J. E. Bradley. 1,844,740 ; Feb. 9.
Aeroplane safety wing construction. A. Parker. 1,862,939 ; June 14.
Aeroplane signal. M. Krajac. 1,886,245 ; Nov. 1.
Aeroplane structure. H. V. Thaden. 1,870,595 ; Aug. 9.
Aeroplane wheel. M. N. Fairbank. 1,880,079 ; Sept. 27.
Aeroplane wheel. I. M. Laddon and S. P. Lyon. 1,845,802 ; Feb. 16.
Aeroplane wing. G. H. Bruns. 1,841,936 ; Jan. 19.
Aeroplane wing. S. F. Kookogey. 1,856,643 ; May 3.
Aeroplane wing. F. D. McMaster. 1,848,368 ; Mar. 8.
Aeroplane wing. V. C. Norquist. 1,855,768 ; Apr. 26.
Aeroplane wing. H. V. Thaden. 1,856,142 ; May 3.
Aeroplane wing. S. Trey. 1,879,594 ; Sept. 27.
Aeroplane wing device. A. C. Peterson. 1,879,821 ; Sept. 27.
Aeroplane wing structure. J. V. Martin. 1,847,094 ; Mar. 1.
Aeroplane wing structure. R. R. Osborn. 1,856,080 ; May 3.
Aeroplane wing with gulde blades. G. Lachmann. 1,879,338 ; Sept. 6.
Aeroplane with vertically oscillatable wings. H. Kern. 1,846,115 ; Feb. 23.
Aeroplane, Adjustable wing and stabilization control for. E. D. Sorrell. 1,854,527 ; Apr. 19.
Aeroplanes and the like aircraft, Wing of. F. Sigrist. 1,839,349 ; Jan. 5.
Aeroplanes, Construction for. R. B. Scroggs. 1,848,578 ; Mar. 8.
Aeroplanes, Controlling. F. H. Page. 1,861,318 ; May 31.
Aeroplanes, Holding and releasing device for. G. W. Hoover, jr. 1,844,506 ; Feb. 9.
Aeroplanes in flight, Controlling. B. Roberts. 1,892,006 ; Dec. 27.
Aeroplanes in flight, Refueling. C. B. Weaver. 1,867,902 ; July 19.
Aerosleigh. S. E. Hitt. 1,890,113 ; Dec. 6.
Aerostats, Propulsion and steering of. S. E. Hitt. 1,840,716 ; Jan. 12.

Age improver. E. Rietz. 1,867,761 ; July 19.
Age resisting process for rubber and age resisting rubber compound. H. A. Morton. 1,847,974 ; Mar. 1.
Age resistor for rubber compounds. A. M. Clifford. 1,883,877 ; Oct. 25.
Agglomerates, Producing coked. E. H. Bunce. 1,877,123 ; Sept. 13.
Agglomerates, Production of coked. G. T. Mahler and E. C. Handwerk. 1,875,249 ; Aug. 30.
Aggregates and structural blocks formed thereof, Manufacturing light weight. E. V. Poston. 1,842,048 ; Jan. 19.
Aggregates. Apparatus for producing. R. Hedrick. 1,882,421 ; Oct. 11.
Aggregates in one continuous operation, Washing and classifying. F. Fredeen. 1,865,094 ; June 28.
Aggregates with asphalt and cooling, Mixing. C. R. Arnold. 1,859,324 ; May 24.
Agitated apparatus. J. E. Jewett, C. E. Heritage, and R. Riegler. 1,864,825 ; June 28.
Agitating mechanism. R. R. Gonsett. 1,885,253 ; Nov. 1.
Agitating, Method of and apparatus for. J. B. Perkins. 1,854,761 ; Apr. 19.
Agitator. J. E. Bond. 1,854,881 ; Apr. 19.
Agitator. F. L. Brant. 1,850,199 ; Mar. 22.
Agitator. S. H. Gibson. 1,841,435 ; Jan. 19.
Agitator. G. J. T. G. R. Martin. 1,853,067 ; Apr. 12.
Agitator. F. N. Pettegrove. 1,886,118 ; Nov. 1.
Agitator. C. Ringwald. Des. 87,886 ; Oct. 4.
Agitator. W. K. Voss. 1,869,590 ; Aug. 2.
Agitator for concrete mixing machines, Loader. J. Eggert. 1,851,242 ; Mar. 29.
Agitator for hardening baths. S. P. Rockwell. 1,864,149 ; June 21.
Agitator for vacuum cleaners. J. F. Langer. 1,848,731 ; Mar. 8.
Agitator for washing machines. G. M. Gibson. 1,859,033 ; May 17.
Agitator, Oil well. W. Horn. 1,865,912 ; July 5.
Agitator, Suction cleaner. W. F. Hudson. 1,865,857 ; July 5.
Agitator, Suction cleaner. D. G. Smellie. 1,885,382 ; Nov. 1.
Agitator, Suction cleaner. D. G. Smellie. 1,886,129 ; Nov. 1.
Agricultural device. H. B. Glase. 1,887,092 ; Nov. 8.
Agricultural implement. F. Austin. 1,856,065 ; May 3.
Agricultural implement. T. Brennan, 2d, and C. R. Davis. 1,840,018 ; Jan. 5.
Agricultural implement. T. Brown. 1,872,238 ; Aug. 16.
Agricultural implement. T. Brown and B. J. Kough. 1,876,562 ; Sept. 13.
Agricultural implement. S. Dinsmore. 1,889,016 ; Nov. 29.
Agricultural implement. G. Geraldson. 1,868,974 ; July 26.
Agricultural machine. E. L. McGregor. 1,889,486 ; Nov. 29.
Agricultural reaping machine. A. S. Moir. 1,888,210 ; Nov. 22.
Agricultural implement. H. Mote. 1,867,521 ; July 12.
Agricultural implement. L. A. Paradise. 1,872,042 ; Aug. 16.
Agricultural implement. W. Siemienski. 1,869,516 ; Aug. 2.
Agricultural implement, Combination. M. Romera. 1,846,459 ; Feb. 23.
Agricultural implement, Tractor operated. H. E. Altgelt. 1,853,785 ; Apr. 26.
Agricultural machine. E. I. Olinger. 1,869,273 ; July 26.
Agricultural machine. A. F. Stubenberg. 1,877,078 ; Sept. 13.
Agricultural machines, Attachment for. R. Case. 1,842,713 ; Jan. 26.
Agricultural machines, Ledger or guard plate device for. E. Schoonover. 1,844,984 ; Feb. 16.
Aileron or elevator mechanism for aircraft or other craft, Steering. R. A. Bruce, G. T. R. Hill, and J. W. Ratcliffe. 1,855,693 ; Apr. 19.
Air agitation for can ice plants. W. E. Zieber. 1,892,026–7 ; Dec. 27.
Air alternator applicable to blast furnaces producing cast iron, Electric furnaces and the like. E. Hickman Y Emperan. 1,889,476 ; Nov. 29.
Air, Apparatus for conditioning. C. F. Shadle. 1,892,081 ; Dec. 27.
Air and gas burner. S. H. Griffiths. 1,859,359 ; Aug. 2.
Air and gas mixing device. W. W. Kemp and W. H. Van Horn. 1,880,141 ; Sept. 27.
Air and gas mixing device for internal combustion engines. A. Calberg and H. K. Prinz. 1,874,894 ; Aug. 30.
Air and gases, Apparatus for removing solid matter from. W. Zellweger. 1,871,022 ; Aug. 9.
Air and water craft and making the same. W. B. Stout. 1,842,736 ; Jan. 26.
Air, Apparatus for conditioning. W. J. Brocker. 1,867,548 ; July 19.
Air, Apparatus for cooling. H. P. Gant. 1,860,357 ; May 31.
Air, Apparatus for purifying. A. L. Dotter. 1,847,297 ; Mar. 1.
Air bag coupling. J. Wahl. 1,877,706 ; Sept. 13.
Airbag inserting machine. H. F. Maranville, 1,847,349 ; Mar. 1.
Air bags or the like, Method and apparatus for removing water from. H. R. Minor. 1,875,479 ; Sept. 6.
Air blast equipment for oil immersed transformers. L. H. Hill. 1,873,971 ; Aug. 30.
Air brake. H. F. Bickel. 1,870,191 ; Aug. 2.
Air brake. H. F. Bickel. 1,870,218 ; Aug. 9.
Air brake. C. A. Campbell. 1,856,209 ; May 3.
Air brake. C. A. Campbell. 1,860,451 ; May 31.
Air brake. C. A. Campbell. 1,871,210 ; Aug. 9.
Air brake. J. D. Cartin. 1,871,155 ; Aug. 9.
Air brake. A. Silvers. 1,877,700 ; Sept. 13.
Air braking means. A. C. Peterson. 1,886,301 ; Nov. 1.
Air break switch. A. O. Austin. 1,856,121 ; May 3.
Air-break switch, Combination. J. S. Lawson. 1,892,403 ; Dec. 27.
Air chamber for well pumping. H. G. Durnell and S. T. Steel. 1,865,307 ; June 28.
Air chuck. J. C. Crowley. 1,853,723 ; Apr. 12.
Air chuck. J. C. Crowley. 1,867,253 ; July 12.
Air circulating apparatus for incubators or the like. L. F. Biggins. 1,848,409 ; Mar. 8.
Air circulating and cleaning device. C. L. Redfield. 1,874,061 ; Aug. 30.
Air circulating and temperature changing unit. H. W. Smith, jr. 1,884,898 ; Oct. 25.
Air circulating apparatus. A. W. Stewart. 1,863,811 ; June 21.
Air circulator and heater. H. J. Divekey. 1,890,279 ; Dec. 6.
Air classifier. A. H. Stebbins. 1,845,566–7 ; Feb. 16.
Air classifier. A. H. Stebbins. 1,861,247–8 ; May 31.
Air cleaner. H. E. Altgelt. 1,859,644 ; May 24.
Air cleaner. H. E. Altgelt. 1,873,822 ; Aug. 23.
Air cleaner. H. B. Anglemyer and R. Chaney. 1,864,289 ; June 21.
Air cleaner. A. A. Bull. 1,843,091 ; Jan. 26.
Air cleaner. C. A. Campbell. 1,871,111 ; Aug. 9.
Air cleaner. J. Cartmell. 1,846,706 ; Feb. 23.
Air cleaner. A. Champion. 1,840,382 ; Jan. 12.
Air cleaner. J. B. Coulter. 1,842,316 ; Jan. 19.
Air cleaner. F. A. Donaldson. 1,850,343 ; Mar. 22.
Air cleaner. F. A. Donaldson. 1,873,427 ; Sept. 6.
Air cleaner. J. H. Fedeler. 1,848,334 ; Mar. 8.
Air cleaner. H. H. Garner, F. R. Nohavec, and G. H. Hopkins. 1,881,049 ; Oct. 4.
Air cleaner. C. S. Kegerreis and J. B. Lindecker. 1,864,201 ; June 21.
Air cleaner. W. W. Lowther. 1,875,471 ; Sept. 6.
Air cleaner. A. W. Miller. 1,860,111 ; May 24.
Air cleaner. W. A. Miller. 1,871,384 ; Aug. 9.
Air cleaner. J. A. Mosher. 1,884,808 ; Oct. 25.
Air cleaner. T. C. Spridling. 1,877,327 ; Sept. 13.
Air cleaner. F. S. Orem. 1,871,908 ; Aug. 16.
Air cleaner. E. A. Reichert and W. S. Holzinger. 1,877,888 ; Sept. 20.
Air cleaner. H. P. Vaughan. 1,847,452 ; Mar. 1.
Air cleaner. G. M. Walton. 1,876,368 ; Sept. 6.
Air cleaner. J. C. Woodford. 1,854,010 ; Apr. 12.
Air cleaner and air turbination inductor. H. P. Morris. 1,866,663 ; July 12.
Air cleaner and heat deflector, Combination warm. L. M. Thorson and K. B. Ward. 1,839,357 ; Jan. 5.
Air cleaner and humidifier, Combination. W. F. Schonbein. 1,869,344 ; July 26.
Air cleaner and muffler. J. Dolza. 1,872,075 ; Aug. 16.
Air cleaner and the like. C. A. Winslow. 1,888,813 ; Nov. 22.
Air cleaner and valve oiler. R. Ellis. 1,842,663 ; Jan. 26.
Air cleaner, crankcase ventilating means, and the like. C. A. Winslow. 1,856,627 ; May 3.
Air cleaner for carburetors. J. W. Gilmore and W. F. Hickman. 1,841,286 ; Jan. 12.
Air cleaner, Super-charger. R. E. Lyford. 1,868,534 ; July 26.
Air cleaning and moistening device. R. D. Matteson. 1,857,512 ; May 10.
Air, Cleaning, moistening, and heating. G. Van Daam. 1,846,235 ; Feb. 23.
Air cleansing and cooling device. C. W. Freeman. 1,883,778 ; Oct. 18.
Air collector for propellers. T. A. Dicks. 1,868,314 ; July 19.
Air compressing system. H. T. Hunter. 1,840,288 ; Jan. 5.
Air compressor. F. Ackerman. 1,885,359 ; Nov. 8.
Air compressor. A. Y. Dodge. 1,891,083 ; Dec. 13.
Air compressor. H. Druschel. 1,843,447 ; Feb. 2.
Air compressor. F. J. Omo. 1,876,736 ; Sept. 13.
Air compressor. R. Salisbury. 1,868,822 ; July 12.
Air compressor of the multicylinder reciprocating type. H. R. Ricardo. 1,878,326 ; Sept. 20.
Air compressor plant. J. F. Ne Page. 1,889,451 ; Nov. 29.
Air condenser. C. Hardy. 1,860,670 ; May 31.
Air conditioner. C. L. Dorland. 1,879,133 ; Sept. 27.
Air conditioner. O. F. Metz. 1,855,722 ; Apr. 26.
Air conditioning. I. C. Baker. 1,878,618 ; Sept. 20.
Air conditioning. A. D. Karr and K. D. Perkins. 1,846,875 ; Feb. 23.
Air, Conditioning. C. F. Shadle. 1,853,236 ; Apr. 12.
Air conditioning and distributing unit. A. E. Stacey, jr., and C. M. Ashley. 1,878,012 ; Sept. 20.

Air conditioning apparatus. W. G. Beatty. 1,850,069; Mar. 22.
Air conditioning apparatus. A. B. Modine. 1,856,500; May 3.
Air conditioning apparatus. C. E. Scott. 1,848,202; Mar. 8.
Air conditioning apparatus. D. Thompson. 1,872,195; Aug. 16.
Air conditioning. Apparatus and method of. C. T. Morse and E. L. Hogan. 1,863,576–9; June 21.
Air conditioning apparatus for passenger cars. W. B. Whitsitt. 1,852,537; Oct. 11.
Air conditioning apparatus for storage rooms. C. A. Moore. 1,858,023; May 10.
Air conditioning control. S. M. Anderson. 1,860,377; May 31.
Air conditioning control. S. M. Anderson and R. T. Palmer. 1,881,992; Oct. 11.
Air conditioning device. W. C. Denison. 1,868,278; July 19.
Air conditioning device. A. B. Modine. 1,848,537; Mar. 8.
Air conditioning device. F. M. Opitz. Des. 86,960; May 17.
Air conditioning device. P. B. Welch. 1,854,569; Apr. 19.
Air-conditioning device, Portable. H. D. Betz. 1,884,534; Oct. 25.
Air conditioning equipment. S. M. Anderson. 1,849,061; Mar. 15.
Air conditioning for railway cars. E. A. Russell and J. Van Vulpen. 1,853,459; Apr. 12.
Air conditioning for railway cars. J. Van Vulpen and E. A. Russell. 1,853,477; Apr. 12.
Air conditioning means. F. J. Day. 1,842,660; Jan. 26.
Air conditioning mechanism. W. D. Jordan. 1,892,307; Dec. 27.
Air conditioning method and apparatus for passenger cars. J. H. Davis. 1,843,210; Feb. 2.
Air conditioning system. G. Hilger. 1,861,158; May 31.
Air conditioning system. A. B. Steuart. 1,871,244; Aug. 9.
Air conditioning unit. W. L. Fleisher. 1,883,665; Oct. 18.
Air conditioning unit. E. V. Hill. Des. 87,436; July 26.
Air conditioning unit. R. N. Trane. 1,865,981; July 5.
Air conditions in workroom in which artificial products of viscose are manufactured, Improving. W. Schulz. 1,851,873; Mar. 29.
Air-conditioner for internal combustion engines. H. D. Bowman. 1,890,107; Dec. 6.
Air conditioning apparatus (gravity actuated). C. E. Lewis. 1,887,767; Nov. 15.
Air conditioning apparatus. S. M. Anderson. 1,886,777; Nov. 8.
Air conditioning apparatus. S. M. Anderson. 1,888,844; Nov. 22.
Air conditioning device. J. H. and F. A. Kitchen. 1,891,327; Dec. 20.
Air conditioning method and apparatus for passenger cars. J. H. Davis. 1,887,582; Nov. 15.
Air conditioning system. W. D. Jordan and P. D. Van Vliet. 1,891,713; Dec. 20.
Air cooler. H. A. Lockwood. 1,891,167; Dec. 13.
Air cooling apparatus. J. Q. Sherman. 1,890,626; Dec. 13.
Air cooling apparatus. J. Q. Sherman. 1,890,888; Dec. 13.
Air cooling and circulating device. W. B., D., and R. A. Plympton. 1,881,374; Oct. 4.
Air cooling and heating device. C. L. Dawson. 1,848,996; Mar. 8.
Air cooling means for internal combustion engines. A. G. M. Mitchell. Re18,558; Aug. 9.
Air cooling system. E. Hodson. 1,862,268; June 7.
Air cooling system for aeroplane engines. E. S. Marks. 1,876,996; Sept. 13.
Aircraft. C. J. Blahnik. 1,867,963; July 19.
Aircraft. S. H. Capelis. 1,861,491; June 7.
Aircraft. G. Clark. 1,888,452; Nov. 22.
Aircraft. L. C. Clawson, jr. 1,849,068; Feb. 23.
Aircraft. W. C. Clawson. 1,882,315; Oct. 11.
Aircraft. C. Crescl. 1,848,321; Mar. 8.
Aircraft. O. Dean. 1,875,570; Sept. 6.
Aircraft. R. H. Fleet. 1,876,574; July 5.
Aircraft. M. Henter and E. Käser. 1,868,832; July 26.
Aircraft. C. W. Howard. 1,884,701; Oct. 25.
Aircraft. C. J. Hughes. 1,841,815; Jan. 19.
Aircraft. J. F. Hughes and J. M. Smith. 1,884,706; Oct. 25.
Aircraft. R. Janney. 1,876,682; Sept. 13.
Aircraft. C. F. Johnson. 1,864,912; June 28.
Aircraft. E. Klahn. 1,881,674; Oct. 11.
Aircraft. O. Klingaman. 1,839,663; Jan. 5.
Aircraft. E. Koch. 1,879,323; Sept. 27.
Aircraft. B. J. E. Krook and J. Hardon. 1,883,970; Oct. 25.
Aircraft. J. S. Maxwell. 1,845,307; Feb. 16.
Aircraft. N. J. Medvedeff. 1,854,520; Apr. 19.
Aircraft. O. Muench. 1,858,890; Mar. 22.
Aircraft. C. U. Palmer. 1,872,170; Aug. 16.
Aircraft. H. F. Pitcairn. 1,884,847; Oct. 25.
Aircraft. H. F. Pitcairn and J. de la Cierva. 1,884,849; Oct. 25.
Aircraft. H. L. Prinz. 1,845,184; Feb. 16.
Aircraft. J. Rebbock. 1,867,759; July 19.
Aircraft. I. Schafran. 1,879,857; Sept. 27.
Aircraft. R. S. Scott. 1,842,846; Jan. 26.
Aircraft. C. L. Snyder. 1,853,695; Apr. 26.
Aircraft. H. Tebbs. 1,876,096; Sept. 6.
Aircraft. F. C. Thomas. 1,890,198; Dec. 6.
Aircraft. C. G. Thompson. 1,845,943; Feb. 16.
Aircraft. A. P. Thurston. 1,866,869; July 12.
Aircraft. S. L. Van Meter, jr. 1,885,570; Nov. 1.
Aircraft. C. M. Vought. 1,874,666; Aug. 30.
Aircraft. M. Watter. 1,850,251; Mar. 22.
Aircraft. J. Weiss. 1,853,647; Apr. 12.
Aircraft. E. B. Wilford. 1,848,555; Mar. 8.
Aircraft accessories. G. R. Ericson. 1,866,299; July 5.
Aircraft, Air balanced. A. Pedrusso. 1,859,422; May 24.
Aircraft, Amphibian. I. Sikorsky. 1,879,716; Sept. 27.
Aircraft and automatic controls therefor. H. Klingaman. 1,875,465; Sept. 6.
Aircraft and concealed stanchion for same. L. Sikorsky. 1,881,141; Oct. 4.
Aircraft and method of flight. E. A. Briner. 1,890,931; Dec. 13.
Aircraft and operating the same. J. de la Cierva. 1,845,596; Oct. 25.
Aircraft and the like, Metallic construction for. C. W. Hall. 1,847,559; Mar. 1.
Aircraft and watercraft construction. A. Holmstrom. 1,851,513; Mar. 29.
Aircraft, Apparatus for continuously recording the path of flight of. R. Hugershoff. 1,873,126; Aug. 23.
Aircraft, Apparatus for determination of drift by. R. F. Wood. 1,854,437; Apr. 19.
Aircraft. Apparatus for launching. A. Richards. 1,879,765; Sept. 27.
Aircraft, Apparatus for use in controlling. J. M. Boykow. 1,858,578; Nov. 1.
Aircraft braking device. G. J. Daniell. 1,845,960; Feb. 16.
Aircraft construction. G. Bettle. 1,879,046; Sept. 27.
Aircraft construction. A. G. J. Cousineau. 1,874,459; Aug. 30.
Aircraft construction. J. F. Hampton. 1,846,328; Feb. 23.
Aircraft construction. R. B. Johnson. 1,887,411; Nov. 8.
Aircraft construction and making same. E. J. W. Ragsdale. 1,880,481; Oct. 4.
Aircraft control. H. A. Meyer. 1,891,237; Dec. 20.
Aircraft control apparatus. H. Haas. 1,873,579; Aug. 23.
Air craft control surface control. H. D. Hoekstra and E. C. Hokanson. 1,848,013; Mar. 1.
Aircraft, Cowling for engines. K. Henrichsen and G. A. Page, jr. 1,874,523; Aug. 30.
Aircraft device. H. F. Pitcairn. 1,884,848; Oct. 25.
Aircraft, Device for acoustically detecting and tracing. H. L. M. J. Benard and A. J. Marcelin. 1,861,680; June 7.
Aircraft, Device for landing. A. P. Carr. 1,842,583; Jan. 26.
Aircraft elevating and propelling mechanism. A. F. La Fon. 1,846,125; Feb. 23.
Aircraft, especially aircraft of the direct lift amphibian type and constructing and operating the same. I. Sikorsky. 1,848,389; Mar. 8.
Aircraft having rotative wings. J. de la Cierva. 1,845,590; Oct. 25.
Aircraft having sustaining rotors. J. S. Pecker. 1,892,003; Dec. 27.
Aircraft, Heavier-than-air. W. Muss. 1,859,107; May 17.
Aircraft including engine mounting frame for same. I. I. Sikorsky. 1,844,608; Feb. 9.
Aircraft, including pedals for same. I. Sikorsky. 1,844,607; Feb. 9.
Aircraft including swinging stair structure for same. I. Sikorsky. 1,839,806; Jan. 5.
Aircraft landing. H. C. Belleville. 1,874,423; Aug. 30.
Aircraft landing sail, Skimming. H. Hein. 1,891,309; Dec. 20.
Aircraft, Launching. W. V. N. Powelson and W. Travell. 1,887,860; Nov. 15.
Aircraft level indicating device. E. A. Sperry, jr. Des. 87,173; June 14.
Aircraft, Marine. E. A. Sperry. 1,871,476; Aug. 16.
Aircraft, Metal built. H. C. A. Potez. 1,881,296; Oct. 4.
Aircraft, Metallic construction of. G. Delage. 1,854,330; Apr. 19.
Aircraft, Movable sections in wings for. L. W. Mammen. 1,862,795; June 14.
Aircraft of the auto-rotor type. E. K. LeFevre. 1,864,137; June 21.
Aircraft of the heavier than air type. R. A. Stelgert. 1,875,276; Aug. 30.
Aircraft, Pneumatically operated and controlled. I. Sikorsky. 1,879,717; Sept. 27.
Aircraft propeller. F. M. Covey. 1,877,821; Sept. 20.
Aircraft propeller. J. R. Gillis and F. P. Kaiser. 1,891,384; Dec. 20.
Aircraft propeller. W. D. Hubert. 1,881,080; Oct. 4.
Aircraft propeller. M. M. Munk. 1,864,848; June 28.
Aircraft propelling mechanism. C. S. Hall. 1,868,976; July 26.
Aircraft, Protecting. B. J. Pollard. 1,854,220; Apr. 19.
Aircraft protector. J. P. Kilgore. 1,861,477; June 7.

Air craft, Safety. P. Appolioniou and S. L. Chick. 1,851,150; Oct. 4.
Aircraft skid shoe. R. B. Tweed and C. Watson. 1,868,677; July 26.
Aircraft structure and making same. E. J. W. Ragsdale. 1,851,213; Mar. 29.
Aircraft strut. L. W. Greve. 1,868,228; July 19.
Aircraft. Supplemental adjustable wing for. J. F. O'Malley. 1,873,662; Aug. 23.
Aircraft wing. R. T. Richart. 1,858,341; May 17.
Aircraft wing construction. I. I. Sikorsky. 1,848,390; Mar. 8.
Aircraft, wing panels, allerons, wing beams, wing ribs, and details thereof. I. Sikorsky. 1,846,367; Feb. 23.
Aircraft wings. E. B. Carus. 1,842,068; Jan. 19.
Aircraft with auto-rotative wings. J. de la Cierva. 1,857,807; May 10.
Aircraft with rotative wings. J. de la Cierva. 1,859,584; May 24.
Aircraft wing. H. Focke. 1,890,079; Dec. 6.
Air current creating means for pressing machines. P. N. Brann. 1,848,193; Nov. 29.
Air cushion seat. H. E. Wolf. 1,839,822; Jan. 5.
Air cutoff for automobile radiators. G. Kalenoff. 1,867,317; July 12.
Air decking. C. B. Griffin. 1,864,726; June 28.
Air distributing apparatus for automobiles, Hot. J. A. Deal. 1,851,616; Mar. 29.
Air drying and purifying apparatus. A. S. Hensen. 1,866,207; July 5.
Air eliminator for liquid. R. E. Bechtold. 1,868,444; July 19.
Air eliminator for liquid pump equipment. W. H. D. Brouse. 1,867,918; Nov. 1.
Air engine. H. E. Clarke. 1,849,478; Mar. 15.
Air exhauster. G. I. Rockwood and H. G. Carlson. 1,861,817; June 7.
Air exhauster. W. J. P. Lowther. 1,861,501; June 7.
Air extracting and can closing machine. C. A. Anderson. 1,855,786; Apr. 26.
Air filtering and cleaning device. D. V. Tuttle. 1,841,347; Jan. 12.
Air filtering and cooling apparatus, Self-contained. H. H. Sandell. 1,849,570; Mar. 8.
Air flow governing means. A. S. Mullgardt. 1,841,666; Jan. 19.
Airfoil. T. Berbeck. 1,850,954; Mar. 22.
Airfoil. E. P. Gaines. 1,881,463; Oct. 11.
Airfoil. P. J. Henry. 1,878,775; Sept. 20.
Airfoil. J. Northrop. 1,877,022; Sept. 13.
Air foil. C. E. Rickard. 1,873,664; Aug. 23.
Airfoil, Variable camber. H. J. Hogan. 1,868,748; July 26.
Airfoils, Constructing. J. K. Northrop. 1,877,023; Sept. 13.
Air for the operation of wash boxes, Method of and apparatus for providing compressed. A. J. Sayers. 1,865,726; July 5.
Air from paper stock, Extracting. J. A. De Cew. 1,853,849; Apr. 12.
Air from water, Apparatus for separating. B. E. Meurk and W. M. Kennedy. jr. 1,849,196; Mar. 15.
Air gauge. H. J. Boenker and W. S. Hutchinson. 1,855,088; Apr. 19.
Air gauge. O. W. Ingram. 1,863,403; June 7.
Air gun. J. L. Decker. 1,859,816; May 24.
Air gun. C. C. Loomis. 1,848,571; Mar. 8.
Air gun. C. C. Loomis. 1,869,600; Aug. 2.
Air gun. W. A. Trasch. 1,854,605; Apr. 19.
Air hackling attachment for scutching machine. R. McCarroll. 1,843,236; Feb. 2.
Air hand brake, Automatic. C. H. Bledsoe. 1,889,014; Nov. 29.
Air heat generator. J. C. Montero. 1,875,752; Sept. 6.
Air heater. H. Baetz. 1,849,396; Mar. 15.
Air heater. H. Lewis, jr. 1,840,839; Jan. 12.
Air heater. W. W. Hicks. 1,873,701; Sept. 20.
Air heater. D. S. Jacobus. 1,848,130; Mar. 8.
Air heater. D. S. Jacobus. 1,853,684; Apr. 12.
Air heater. A. B. Modine. 1,877,011; Sept. 13.
Air heater. W. S. Patterson and C. Pierce. 1,875,128; Aug. 30.
Air heater. F. M. Young. 1,869,534; Aug. 2.
Air heater, Electric. E. W. Ballentine. 1,879,889; Sept. 27.
Air heating. C. W. Andrews and A. J. Hulse. 1,880,229; Oct. 4.
Air heating and humidifying apparatus. C. J. Matsch. 1,843,849; Feb. 2.
Air-heating apparatus. C. W. Good. 1,868,743; July 26.
Air heating system, Warm. A. L. Smith. 1,892,015; Dec. 27.
Air hose coupling. S. A. Main. 1,885,614; Nov. 1.
Air humidifier. G. D. Doherty. 1,869,549; Aug. 2.
Air, Humidifying. E. S. Buck. 1,877,223; Sept. 13.
Air humidifying furnace. R. Sandwick and E. Dahlstrom. 1,862,985; June 14.
Air in buildings, Conditioning and circulating the. C. A. Moore. 1,851,014; Mar. 29.
Air in closed rooms, Regenerating the breathing. H. Stelzner. 1,860,298; May 24.
Air in dry spinning of artificial threads, Apparatus for heating. A. Friederich and P. Schlack. 1,861,912; June 7.
Air in internal combustion engines, Apparatus for forming and controlling the circulation of. A. A. Bull. 1,872,668; Aug. 23.
Air inlet, Auxiliary. T. Horscroft. 1,870,411; Aug. 9.
Air inlet for tanks. E. C. Grummert. 1,856,184; May 3.
Air inlet system for engines. C. E. Summers. 1,846,283; Feb. 23.
Air intake and exhaust mechanism of Diesel type of engines. F. A. Thaheld. 1,880,531; Oct. 4.
Air intake and mixing device, Auxiliary. T. E. Jackson. 1,868,902; July 26.
Air intake device. S. S. Hargraves, S. De Orlow, and J. W. Wilford. 1,875,332; Sept. 6.
Air jack. M. F. Breneman. 1,868,935; July 26.
Air lateral for ice cans. N. M. Small. 1,848,275; Mar. 8.
Air leak detector, Valve cap. A. W. Clare. 1,846,311; Feb. 23.
Air line coupling. L. D. Woodruff. 1,867,296; July 12.
Air, Method and apparatus for cooling mine. A. S. Richardson. 1,878,542; Sept. 20.
Air moistening apparatus for incubators. L. J. G. Karthaus. 1,890,610; Dec. 13.
Air-motor jack. F. H. Schwerin and L. Hebbeln. 1,868,922; July 26.
Air or gas washer. D. H. Couch. 1,879,107; Sept. 27.
Air or other gaseous materials, Process and apparatus for liquefying and rectifying. I. H. Levin. 1,892,155; Dec. 27.
Air or other gases. Dehydration or cooling of. R. W. Thomas. 1,889,161; Nov. 29.
Air or the like and gaseous mixtures, Dehydration of. R. W. Thomas and G. G. Brownell. 1,889,162; Nov. 29.
Airplane. H. Alfaro. 1,858,259; May 17.
Airplane. H. Alfaro. 1,890,012; Dec. 6.
Airplane. I. Anderson. 1,886,932; Nov. 8.
Airplane. W. R. Apperman. 1,888,871; Nov. 22.
Airplane. E. Armour and J. Kremer. 1,890,354; Dec. 6.
Airplane. J. M. Ballou. 1,849,652; Mar. 15.
Airplane. P. Bang. 1,875,210; Aug. 30.
Airplane. T. Berbeck. 1,850,756; Mar. 22.
Airplane. G. A. Berry. 1,854,365; Apr. 19.
Airplane. S. H. Capelis. Des. 86,697; Apr. 12.
Airplane. G. W. Cornelius. 1,865,744; July 5.
Airplane. P. Cox. 1,861,336; May 31.
Airplane. J. W. Duke. 1,845,251; Feb. 16.
Airplane. H. C. Ford, J. M. Ballou, and V. W. Balzer. 1,856,092-4; May 3.
Airplane. H. W. Gabbert. 1,878,768; Sept. 20.
Airplane. W. F. Gerhardt. 1,864,996; June 28.
Airplane. R. E. Guthler. 1,891,812; Dec. 20.
Airplane. R. F. Hall. 1,841,919; Jan. 19.
Airplane. R. F. Hall. 1,846,965; Feb. 23.
Airplane. R. F. Hall. 1,869,253; July 26.
Airplane. R. F. Hall. 1,875,594; Sept. 6.
Airplane. R. F. Hall. 1,890,035; Dec. 6.
Airplane. C. B. Harper. 1,880,019; Sept. 27.
Airplane. G. C. Hennessy. 1,874,521-2; Aug. 30.
Airplane. H. A. Hicks. Des. 87,062; May 31.
Airplane. H. A. Hicks. 1,840,901-2; Jan. 12.
Airplane. H. A. Hicks. 1,850,211-3; Mar. 15.
Airplane. W. D. Hubert. 1,855,574; Apr. 26.
Airplane. G. A. Hughes. 1,970,119; Aug. 2.
Airplane. H. D. Irwin. 1,888,218; Nov. 18.
Airplane. R. E. Jacobs. 1,865,859; July 5.
Airplane. C. V. Johnson. 1,852,116; Apr. 5.
Airplane. C. C. Jones. Des. 88,726; Dec. 20.
Airplane. H. H. Kane. 1,842,615; Jan. 26.
Airplane. H. E. Kingsley. 1,845,420; Feb. 16.
Airplane. K. Koslowski and A. Slesszynski. 1,855,480; Apr. 26.
Airplane. L. L. Kuethe. 1,877,902; Sept. 20.
Airplane. P. Lafécoère. 1,860,254; May 24.
Airplane. J. J. Leray. 1,891,354; Dec. 20.
Airplane. L. J. Lesn. 1,859,566; May 24.
Airplane. M. Leupold. 1,871,538; Aug. 16.
Airplane. G. Loening. 1,859,306; May 24.
Airplane. G. Loening. 1,860,547; May 31.
Airplane. A. Mariani. 1,881,792; Oct. 11.
Airplane. R. I. Markey. 1,890,820; Dec. 13.
Airplane. A. Marsan. 1,849,547; Mar. 15.
Airplane. J. S. McDonnell, jr. 1,862,902; June 14.
Airplane. C. B. McGuire. 1,849,766; Mar. 15.
Airplane. N. J. Medvedeff. 1,891,064; Dec. 6.
Airplane. A. A. Merrill. 1,889,864; Dec. 6.
Airplane. C. N. Monteith, R. J. Minshall, and J. C. Sanders. Des. 87,310; July 5.
Airplane. W. F. Neubeck. 1,847,222; Mar. 1.
Airplane. S. Pallotta. 1,871,909; Aug. 16.
Airplane. J. and V. H. Pavlecka. Des. 87,079; May 31.
Airplane. R. R. Rand, jr. Des. 86,744; Feb. 9.
Airplane. R. A. Reed and H. A. Hicks. 1,882,338; Oct. 11.
Airplane. T. W. Rieder. 1,851,867; Mar. 29.
Airplane. C. Robinson. 1,845,520; Feb. 16.
Airplane. W. W. Rothenhoefer. 1,840,531; Jan. 12.
Airplane. F. Rutrle. 1,859,716; May 24.
Airplane. G. C. St. Louis. 1,846,159; Feb. 23.
Airplane. J. P. Sellmer. 1,841,642; Jan. 19.
Airplane. H. G. Smith. 1,887,738; Nov. 15.
Airplane. C. E. Sparhawk. 1,882,199; Oct. 11.
Airplane. J. Squires. 1,871,015; Aug. 9.
Airplane. W. Sramek. 1,844,448; Feb. 9.
Airplane. W. B. Stout. 1,840,643; Jan. 12.
Airplane. W. B. Stout. 1,842,055; Jan. 19.

Airplane. W. B. Stout. 1,859,807; May 24.
Airplane. W. B. Stout. 1,862,102; June 7.
Airplane. W. B. Stout. 1,866,680; July 12.
Airplane. W. B. Stout. 1,869,871; Aug. 2.
Airplane. W. B. Stout. 1,880,520; Oct. 4.
Airplane. W. B. Stout. 1,880,997; Oct. 4.
Airplane. R. H. Upson. 1,848,809; Mar. 8.
Airplane. F. E. Welck. 1,848,037; Mar. 1.
Airplane. R. N. Williams. 1,845,466; Feb. 16.
Airplane. H. Young. 1,896,153; Dec. 13.
Airplane, Amphibian. T. Towle. 1,888,335; Nov. 22.
Airplane and mounting therefor. T. J. Urban. 1,866,432; July 5.
Airplane brake. S. G. Down. 1,887,583; Nov. 15.
Airplane brake. S. G. Down. 1,887,585; Nov. 15.
Airplane, Canard type. J. Blondin. 1,839,194; Jan. 5.
Airplane catapult. E. E. Moss. 1,892,357; Dec. 27.
Airplane construction. G. M. Bellanca. 1,879,039; Sept. 27.
Airplane construction. G. M. Bellanca. 1,888,902; Nov. 22.
Airplane construction. V. J. Burnelli. 1,845,648; Feb. 16.
Airplane construction. T. P. Leaman. 1,863,602; June 21.
Airplane construction. A. K. Longren. 1,861,219; May 31.
Airplane construction. F. G Schweisthal. 1,876,472; Sept. 6.
Airplane construction. J. Spiegel. 1,841,921; Jan. 19.
Airplane construction. E. A. Stalker. 1,878,723; Sept. 20.
Airplane control. E. P. Halliburton. 1,847,088; Mar. 1.
Airplane control mechanism. E. A. Stinson. 1,879,859; Sept. 27.
Airplane course corrector. H. D. Allen. 1,888,206; Nov. 22.
Airplane engine. W. Dieter. 1,845,136; Feb. 16.
Airplane engine. M. O. Griffith. 1,848,008; Mar. 1.
Airplane frame. R. G. Hughes. 1,852,208; Apr. 5.
Airplane fuselage and constructing the same. E. Chagnlard and A. Kartvelichvili. 1,839,645; Jan. 5.
Airplane fuselages, Constructing. E. J. W. Ragsdale. 1,868,073; July 19.
Airplane gig. E. S. Staples. 1,870,757; Aug. 9.
Airplane, Gyroscopic. H. M. Salisbury and A. E. Miller. 1,875,891; Sept. 6.
Airplane hoop. R. A. Putman. 1,872,339; Aug. 16.
Airplane ignition system. H. A. Hicks. 1,862,116; June 7.
Airplane landing device. W. B. Stout. 1,857,888; May 10.
Airplane landing light. S. W. Hyatt. 1,845,153; Feb. 16.
Airplane launching track. W. Stein. 1,887,328; Nov. 15.
Airplane loading station. L. Vinzherocts. 1,856,446; May 3.
Airplane, Miniature. G. D. Wanner. 1,888,840; Nov. 22.
Airplane, Passenger frame, fore and aft control type. J. Blondin. 1,856,532; May 3.
Airplane pick-up device. H. G. Bushmeyer and A. W. Card. 1,892,381; Dec. 27.
Airplane part. R. J. Norton. 1,843,621; Feb. 2.
Airplane propeller. J. A. Calby. 1,854,644; Apr. 19.
Airplane propeller. R. B. Ferreby. 1,853,607; Apr. 12.
Airplane propeller. A. B. Fortener. 1,854,611; Apr. 19.
Airplane propeller. J. F. Fritz. 1,850,452; Mar. 22.
Airplane propeller. C. H. Gunn. 1,867,822; July 19.
Airplane propeller. E. Lavan. 1,847,020; Mar. 1.
Airplane propeller. J. T. Lightfoot. 1,846,216; Feb. 23.
Airplane propeller. A. G. Im Oberstag. 1,857,473; May 10.
Airplane propeller. J. Poniatowski. 1,864,316; June 21.
Airplane propeller. S. E. Slonimsky. 1,850,097; Dec. 6.
Airplane propeller. S. E. Slonimsky. 1,891,272; Dec. 20.
Airplane propeller. J. Squires. 1,864,260; June 21.
Airplane propeller. J. Squires. 1,880,995; Oct. 4.
Airplane propeller. E. Starks, jr. 1,872,907; Sept. 20.
Airplane propeller. N. Tuzzo. 1,862,207; June 7.
Airplane propeller. Automatically adjustable. J. R. Desautels. 1,876,634; Sept. 13.
Airplane propeller, Cushioned. S. F. Crumback. 1,882,410; Oct. 11.
Airplane refueling device. J. G. Moran. 1,848,372; Mar. 8.
Airplane safety device. J. Kiss. 1,856,999; May 3.
Airplane spray device. J. P. Desmet. 1,862,139; Dec. 27.
Airplane stabilizer. C. H. Vance. 1,845,683; Jan. 12.
Airplane stowing apparatus. L. S. Adams. 1,847,549; Mar. 1.
Airplane structure. E. J. W. Ragsdale. 1,880,478; Oct. 4.
Airplane structure and making same. E. J. W. Ragsdale. 1,880,480; Oct. 4.
Airplane strut construction. J. H. Gould. 1,891,977; Dec. 27.
Airplane strut. J. F. Wallace. 1,882,349; Oct. 11.
Airplane swing. A. F. Schang. 1,855,030; Apr. 19.
Airplane, Tandem wheeled. F. F. Manor. 1,855,861; Apr. 26.
Airplane, Transport. C. N. Monteith and F. R. Canney. Des. 87,440; July 26.
Airplane truss joint construction. E. J. W. Ragsdale. 1,880,479; Oct. 4.
Airplane while in flight to another aircraft, Method and apparatus for mooring an. H. C. Richardson. 1,869,506; Aug. 2.
Airplane wheel. J. G. Swain. 1,869,318; July 26.
Airplane wing. C. Dornier. 1,861,596; June 7.
Airplane wing. E. J. Park and G. Antol. 1,871,465; Aug. 16.
Airplane wing. H. D. Rocheville. 1,846,146; Feb. 23.
Airplane wing. E. A. Stalker. 1,843,993; Feb. 9.
Airplane wing. L. J. Tetlow. 1,858,194; May 10.
Airplane wing construction. G. E. Barnhart. 1,854,444; Apr. 19.
Airplane wing structure. L. C. Milburn. 1,852,622; Apr. 5.
Airplane wing structure and making the same. E. Chagnaird and A. Kartvelichvili. 1,883,552; Oct. 18.
Airplanes, Compensating device of rudder and elevator controls of. R. A. A. Couzinet. 1,842,859; Jan. 26.
Airplanes, Composite control surface for. J. Blondin. 1,852,199; Apr. 5.
Airplanes, Flying control for. J. Ranasey. 1,855,988; Apr. 26.
Airplanes, Landing and take-off apparatus for. S. A. Stanton. 1,842,432; Jan. 26.
Airplanes, Lateral control for. A. A. Gassner. 1,856,157; May 3.
Airplanes, Pneumatic suspension for. G. L. R. J. Messier. Re18,696; Dec. 20.
Airplanes, Radio goniometric direction finding device for. A. Leib. 1,850,080; Mar. 22.
Airplanes, Roller tail-skid for. J. E. Behse. 1,874,160; Aug. 30.
Airplanes, Safety wing for. C. H. Gunn. 1,891,261; Dec. 20.
Airplanes, Storing of. W. M. Pierson. 1,870,744; Aug. 9.
Airplanes, Stream line boot for. K. M. Ronan. 1,852,129; Apr. 5.
Airplanes upon landing, Device for braking. G. L. R. J. Messier. 1,850,724; Mar. 22.
Airport. E. G. Bahl. 1,850,490; Mar. 22.
Airport Elevated. W. H. Jackson. 1,843,640; Feb. 2.
Air preheater. H. H. Dow. 1,884,617; Oct. 25.
Air preheater. H. H. Dow and G. H. Cannon. 1,880,196; Oct. 4.
Air preheating construction for furnaces. H. A. Atwater. 1,875,693; Sept. 6.
Air pressure dry pan. H. K. King. 1,889,555; Nov. 29.
Air pressure regulator. G. Koehler, jr. and W. P. Hill. 1,857,917; May 10.
Air propeller with angle of pitch changeable in flight. A. Seidel. 1,867,715; July 19.
Air propulsion means, Compressed. G. S. Mittelstaedt. 1,852,086; Apr. 5.
Air purifier. J. Sola. 1,875,671; Sept. 6.
Air purifier. T. H. Thomas. 1,887,606; Nov. 15.
Air purifier. U. A. Whitaker. 1,850,610; Mar. 22.
Air primer for burners. B. Valjean. 1,849,125; Mar. 15.
Air purifier for furnaces. M. S. Martinson. 1,887,242; Nov. 8.
Air purifying apparatus. C. C. Farmer. 1,887,589; Nov. 15.
Air regulator. C. Herwig, jr. 1,849,623; Mar. 15.
Air regulator for tuyères. C. E. Harrison. 1,892,052; Dec. 27.
Air release, Automatic. A. W. Mellberg. 1,840,733; Jan. 12.
Air ring. C. D. Dallas. 1,871,666; Aug. 16.
Air screw with automatically variable pitch. M. Pillard. 1,872,337; Aug. 16.
Air speed switch. P. Maulde. 1,878,418; Sept. 20.
Air separator. G. H. Fraser. 1,876,516; Sept. 6.
Air separator. W. A. Gibson. 1,876,911; Sept. 13.
Air separator. E. Kramer. 1,846,210; Feb. 23.
Air separator. T. J. Sturtevant. 1,853,942; Apr. 12.
Air separator. T. J. Sturtevant. 1,872,565; Aug. 16.
Air service equipment. T. M. Manson. Re18,483; May 31.
Airship. G. L. Kayden. 1,868,664; July 26.
Airship. R. A. Lehmann. 1,857,961; May 10.
Airship. R. J. McLaughlin. 1,849,943; Mar. 15.
Airship. W. W. Pagon. 1,877,956; Sept. 20.
Airship. W. V. N. Powelson and W. Travell. 1,853,376; Apr. 12.
Airship. A. G. Schlosser. 1,880,555; May 31.
Airship. L. M. Woolson. 1,848,921; Mar. 8.
Airship. R. A. Yelli. 1,862,401; June 14.
Airship bulkheads. Method and apparatus for building. K. Arnstein and P. Helma. 1,883,455; Oct. 18.
Airship construction. R. Yelli. 1,839,365; Jan. 5.
Airship, Dirigible. J. B. Tyler. 1,852,987; Apr. 5.
Airship hangar, Dirigible. W. H. Smith. 1,861,069; May 31.
Air-ship mast. H. Striemler. 1,847,634; Mar. 1.
Airship mooring means. A. Hall-Brown and E. W. Jones. 1,853,404; Apr. 12.
Airship propeller. E. J. Park. 1,863,582; June 21.
Airship, Self-stabilizing. W. V. N. Powelson and W. Travell. 1,853,082; Apr. 12.
Airships, Method of and apparatus for berthing. W. V. N. Powelson. 1,853,777; Apr. 12.
Air sound apparatus. H. Hecht and U. John. 1,847,873; Mar. 1.
Air spring. W. A. Eaton. 1,869,676; Aug. 2.
Air supply control means for oil burners. J. A. Bourbonnais. 1,872,396; Aug. 16.
Air supply system. P. L. O'Donnell. 1,867,867; July 19.

Air temperature control, Automatic. C. H. Root. 1,864,375; June 21.
Air tester. L. Jones. 1,850,208; Mar. 22.
Air treating apparatus. E. V. Hill. 1,866,650; July 12.
Air washer. C. C. Cheyney. 1,848,559; Mar. 8.
Air washer and humidifier. W. L. Dudley and E. O. Kaup. 1,848,327; Mar. 8.
Air washer and humidifier. R. A. Ilg. 1,846,057; Feb. 23.
Air washer for furnaces. G. F. Gehri. 1,855,340; Nov. 1.
Air washing, Sand blast. F. J. Hull. 1,891,625; Dec. 20.
Air water elevator, Compressed. T. E. Crockett. 1,854,580; Apr. 19.
Airway suction cleaner. D. B. Replogle. 1,887,600; Nov. 15.
Alarm; Sec—
Automatic alarm. Fire alarm.
Burglar alarm. Low water alarm.
Burglar and fire alarm. Tire deflation alarm.
Electric fire alarm.
Alarm. J. K. Grondahl. 1,879,202; Sept. 27.
Alarm. R. W. Nanz. 1,852,754; Apr. 5.
Alarm and burner control, Automatic. H. C. Vogt. 1,886,854; Nov. 8.
Alarm and photographic device, Fire. M. and E. T. Rothman. 1,861,243; May 31.
Alarm device, Electric. F. W. Myers. 1,844,331; Feb. 9.
Alarm device for fluid pressure regulators. A. D. Mac-Leod. 1,855,567; Apr. 26.
Alarm for automobiles. R. H. Hausse. 1,846,966; Feb. 23.
Alarm for automobiles, Theft. R. Rupert. 1,844,338; Feb. 9.
Alarm for home or transient use, Mechanical burglar. A. A. Schantz. 1,859,345; May 24.
Alarm for inculcators or brooders. J. J. Machacek. 1,891,994; Dec. 27.
Alarm mechanism, Fire. G. F. Bulen. 1,857,040; May 3.
Alarm, recording device, Fire. L. W. Bills. 1,840,653; Jan. 12.
Alarm selector apparatus. L. L. E. Chauveau. 1,867,209; July 12.
Alarm signal and photographic apparatus. M. and E. T. Rothman. 1,891,242; Dec. 20.
Alarm switch, Automobile theft. J. Julian. 1,843,924; Feb. 9.
Alarm switch. W. A. Cornyn. 1,892,330; Dec. 27.
Alarm system. L. H. Chase. 1,868,884; July 26.
Alarm system. J. Gondolfi. 1,875,853; Oct. 11.
Alarm system and repeater, Fire. V. Durbin. 1,870,988; Aug. 9.
Alarm system, Automatic fire and burglar. F. F. Denzler. 1,867,500; July 12.
Alarm system, Burglar. R. T. Reid. 1,840,637; Jan. 12.
Alarm system. C. C. Terry. 1,850,177; Mar. 22.
Alarm system for tool cables, Gas pressure. S. P. Shackleton. 1,855,321; Apr. 26.
Alarm system, Signal. P. Stanbon. 1,891,507; Dec. 20.
Alarm system, Telephone. R. F. Massonneau and T. H. Roberts. 1,841,197; Jan. 12.
Album, Photograph. H. E. Gillespie. 1,877,476; Sept. 13.
Albumoid substances, Treating. M. Kahn. 1,851,253; Mar. 29.
Albuminous article and manufacturing it, Hardened. O. Ernst and K. Bronsel. 1,841,797; Jan. 19.
Alcohol and acetone and ethyl alcohol, Producing butyl. C. Harner and O. Gamper. 1,885,096; Oct. 25.
Alcohol and acetone, Biological production of butyl. F. C. Gerretsen. 1,858,808; May 17.
Alcohol and separating the same from pine oil, Crystalline fenchyl. L. T. Smith. 1,857,171; Nov. 8.
Alcohol, Apparatus for the manufacture of water-free ethyl. A. Gorhan. 1,891,593; Dec. 20.
Alcohol fermentation process, Continuous butyl. M. C. Wright and C. G. Goodale. 1,875,530; Sept. 6.
Alcohol free from water, Production of. O. Luhrs. 1,847,968; Mar. 1.
Alcohol from hydrocarbons containing olefines, Generating isopropyl. H. S. Davis and W. J. Murray. 1,844,210; Feb. 9.
Alcohol from wood or other cellulose containing materials, Producing ethyl. A. Plaček. 1,888,935; Nov. 22.
Alcohol, Generating tertiary amyl. H. S. Davis and W. J. Murray. 1,844,209; Feb. 9.
Alcohol, Manufacture of isobutole. R. Ricard, P. Savarit, and H. M. Guinot. 1,860,554; May 31.
Alcohol, Manufacture of methyl. H. Dreyfus. 1,868,096; July 19.
Alcohol, Preparing xanthates of terpene. S. P. Rankin. 1,886,587; Nov. 8.
Alcohol, Production of water free ethyl. A. Gorhan. 1,879,847; Sept. 27.
Alcohol, Purification of. R. B. Lebo. 1,870,815; Aug. 9.
Alcohol recovery. S. R. Merley. 1,873,006; Aug. 23.
Alcohols, Organic polybasic. B. T. Brooks and E. J. Cardarelli. 1,860,730; May 31.
Alcoholic solution, Non-corrosive. W. S. Calcott and H. W. Walker. 1,847,711; Mar. 1.
Alcohols and other organic compounds, Dehydrating. S. R. Merley. 1,873,005; Aug. 23.
Alcohols and phenols from mixtures, Separation of. A. A. Kaufmann. 1,886,885; Nov. 8.
Alcohols, Formation and recovery of. S. R. Merley and O. Spring. 1,859,241; May 17.
Alcohols, Formation of. R. B. Lebo. 1,877,908; Sept. 20.
Alcohols from gasoline, Producing. E. E. Ayres, jr. 1,869,928; Aug. 2.
Alcohols from olefine-bearing gases, Preparation of. H. S. Davis. 1,844,208; Feb. 9.
Alcohols, Generating tertiary. H. S. Davis and W. J. Murray. 1,844,211; Feb. 9.
Alcohols, Manufacture of. A. J. van Peski. 1,884,405; Oct. 25.
Alcohols, Manufacture of solid. R. Geller. 1,844,754; Feb. 9.
Alcohols, Noncorrosive. W. S. Calcott and F. A. McDermott. 1,851,493; Mar. 29.
Alcohols, Production of hydroaromatic. E. Schwenk and H. Jordan. 1,857,880; May 10.
Alcohols, Purification of. R. M. Isham. 1,845,665; Feb. 16.
Alcohols, Purifying nitrated polyhydric. W. de C. Crater and J. C. French. 1,852,041; Apr. 5.
Alcohols soluble, Rendering higher. H. Bertsch. 1,881,347; Oct. 4.
Alcohols, Synthesizing and separating higher. G. Patart. 1,859,244; May 17.
Alcohol-polybasic acid resins, Polyhydric. T. F. Bradley. 1,890,668; Dec. 13.
Aldehyde condensation products and making same. H. Kappeler. 1,873,599; Aug. 23.
Aldehyde free alcoholic liquids, Apparatus for producing. H. Keuser. 1,867,554; July 12.
Aldehyde, Manufacture of para-isopropyl-alpha-methylhydrocinnamic. A. Knorr and A. Weissenborn. 1,844,013; Feb. 9.
Aldehyde, Production of pelargonic. A. O. Jaeger and L. C. Daniels. 1,849,834; Mar. 15.
Aldehydes, Catalytic oxidation association of. A. O. Jaeger. 1,864,908; June 28.
Aldehydes of the cyclohexane series. A. Knorr and A. Weissenborn. 1,873,230; Aug. 23.
Aldol, Production of. M. Mueller-Cunradi and K. Pieroh. 1,881,853; Oct. 11.
Aldols, Manufacture of. T. H. Durrans. 1,885,242; Nov. 1.
Aligning and positioning device for piston valves. E. H. Thompson. 1,859,181; May 17.
Aligning and supporting means for loading apparatus pans. J. R. Stewart and W. L. Hill. 1,852,488; Apr. 5.
Aligning device. G. E. Luce. 1,856,574; May 3.
Aliment forming device. J. C. Bergner. 1,849,031; Mar. 8.
Alimentary product forming device. H. T. Hunter. 1,854,148; Apr. 12.
Aliphatic amines from primary aliphatic bases, Preparing secondary and tertiary. O. Nicodemus and W. Schmidt. 1,857,655; May 10.
Aliphatic anhydrides, Manufacture of. H. Dreyfus. 1,865,177; June 28.
Aliphatic compounds, Production of oxygenated. H. Dreyfus. 1,870,104; Aug. 2.
Aliphatic hydrocarbons, Oxygenation of saturated. J. M. Naiman and H. Leggett. 1,878,170; Sept. 20.
Alkali-cellulose press, Horizontal. W. Dützmann. 1,863,399; June 14.
Alkali-hypochlorite solutions, Preparing. F. A. Henglein and F. W. Stauf. 1,867,666; July 19.
Alkali-metal acetates, Continuous method of making. C. J. Strosacker and W. T. Stephenson. 1,866,328; July 5.
Alkali metal hydroxide by conversion of alkali metal salts with alkaline earth metal hydroxides, Production of. M. Buchner. 1,851,418; Mar. 29.
Alkali metal iodide composition. J. L. Smith. 1,869,518; Aug. 2.
Alkali metal nitrates, Production of. O. Kaselitz. 1,875,014; Aug. 30.
Alkali metal phosphate, Manufacture of. C. L. Levermore. 1,866,657; July 12.
Alkali metal phosphates, Production of. E. Röhre and O. Heusler. 1,860,818; May 31.
Alkali metal salts from brines, Recovering. H. T. Woodward. 1,883,262; Oct. 18.
Alkali metal salts of organic acids, Producing. E. E. Reid. 1,856,263; May 3.
Alkali metal xanthates, Manufacturing. W. Hirschkind. 1,872,452; Aug. 16.
Alkali metal xanthates, Producing. L. Rosenstein. 1,872,221; Aug. 23.
Alkali phosphates from metal-phosphorus alloys, Production of. C. F. v. Girsewald and H. Weidmann. 1,891,293; Dec. 20.
Alkali salts of iodomethyl sulphonic acid, Producing. H-G. Allardt. 1,867,793; July 19.
Alkaline filler, Production of improved. H. R. Rafton. 1,879,483; Sept. 27.
Alkaline liquids on straining cloths, Reducing the attacks by. A. Bertschart and O. Nydegger. 1,876,837; Sept. 13.
Alkaline solutions, particularly waste liquors from the soda or sulphate pulp manufacture, of silica, Relieving. E. L. Rinman. 1,879,503; Sept. 27.
Alkaline sulphide solutions, Actification of. D. L. Jacobson. 1,855,353; Apr. 26.
Alkoxy acridinium compounds and the products, Production of. L. Benda and O. Sievers. 1,863,647; June 21.
Alkyl cyanides, Manufacture of. H. B. Hass and J. R. Marshall. 1,859,140; May 17.

Alkyl esters of sulphuric acid, Production of. F. A. Apgar. 1,846,666; Feb. 23.
Alkyl ether ethylene glycol esters of fatty acids. J. R. Buckley. 1,869,660; Aug. 2.
Alkyl naphthalenes and preparing same. A. Schmidt, O. Ernst, and H. Lange. 1,879,912; Sept. 27.
Alloys resorcinols, Higher. A. R. L. Dohme. 1,858,042; May 10.
Alkyl sulphates, Direct esterification of. F. M. Archibald and R. B. Cubo. 1,844,536; Feb. 9.
All metal box trap, Take-down. E. C. Sloulin. 1,866,776; July 12.
Alloy. W. H. Bassett, jr., and R. H. Leach. 1,891,495; Dec. 20.
Alloy. R. E. Bissell. 1,866,836; July 12.
Alloy. O. W. Ellis. 1,869,554; Aug. 2.
Alloy. W. Ellis. 1,878,689; Sept. 20.
Alloy. R. A. Hadfield. 1,863,159; June 14.
Alloy. G. P. Halliwell. 1,872,280; Aug. 16.
Alloy. C. F. Hammond. 1,868,898; July 26.
Alloy. H. Lohmann. 1,840,457; Jan. 12.
Alloy. P. D. Merica and J. S. Vanick. 1,867,018; July 12.
Alloy. J. Nowak and R. Maldeiring. 1,876,467; Sept. 6.
Alloy. B. H. Payne. 1,876,738; Sept. 13.
Alloy. N. B. Pilling. 1,858,415; May 17.
Alloy. H. S. Ream, jr., and F. J. Hein. 1,859,169; May 17.
Alloy. C. D. Russell. 1,850,355; Mar. 22.
Alloy. H. F. Schroeder and C. D. Russell. 1,850,419; Mar. 22.
Alloy. W. A. Schubert. 1,845,103; Feb. 16.
Alloy. H. Scott. 1,843,901; Feb. 9.
Alloy. J. K. Smith. 1,859,413; May 24.
Alloy. J. C. R. Stone. 1,851,218; Mar. 29.
Alloy. C. W. Thomas and V. W. Allen. 1,851,140; Mar. 29.
Alloy. R. G. Waltenberg, H. E. Holbrook, and B. Brenner. 1,850,818–19; Mar. 15.
Alloy. R. A. Wilkins. 1,851,928; Mar. 29.
Alloy. R. A. Wilkins. 1,868,679; July 26.
Alloy and making the same, Fusible. W. J. Hawkins. 1,892,273; Dec. 27.
Alloy coatings, Formation of chromium. L. H. Marshall. 1,853,369; Apr. 12.
Alloy coatings, Formation of silicon. L. H. Marshall. 1,853,370; Apr. 12.
Alloy, Cutting tool. G. R. Couls. 1,886,469; Nov. 8.
Alloy, Ferro-aluminum-silicon. B. D. Saklatwalla. 1,853,229; Apr. 12.
Alloy, Ferrous. H. L. Coles. 1,860,852; May 31.
Alloy, Hard. A. Mitchell and A. W. Gregg. 1,876,725; Sept. 13.
Alloy for electric contact terminals, Metal. G. H. Brady. 1,852,114; Apr. 5.
Alloy for pen points. K. K. Ledig. 1,839,686; Jan. 5.
Alloy, Hard. K. P. Zu Löwenstein and W. Muller. 1,851,617; Mar. 29.
Alloy, Heat, rust, and acid resisting ferrous. P. A. E. Armstrong. 1,850,953; Mar. 22.
Alloy, Low expanding. Hidnert. 1,880,200; Oct. 4.
Alloy, Magnesium base. R. T. Wood. 1,855,436; Apr. 26.
Alloy, Magnetic. A. A. Frey. 1,845,493; Feb. 16.
Alloy, Magnetic. A. A. Frey and G. H. Cole. 1,858,442; May 17.
Alloy, Making an. J. B. Grenagle. 1,845,146; Feb. 16.
Alloy material for electrical contacts. G. N. Sieger and J. A. Weiger. 1,848,438; Mar. 8.
Alloy, Metal. J. L. Cox and F. B. Foley. 1,892,384; Dec. 27.
Alloy, Metal. G. N. Sieger and J. A. Weiger. 1,848,437; Mar. 8.
Alloy metal flux and making the same. E. Hey. 1,877,867; Sept. 20.
Alloy, Metallic. K. Honda and T. Kase. 1,881,315; Oct. 4.
Alloy, Noncorrosive steel. H. A. Mitchell, A. W. Gregg, and R. H. Frank. 1,892,216; Dec. 27.
Alloy, Non-ferrous. W. B. Price. 1,874,617; Aug. 30.
Alloy of azotized character. R. R. Walter. 1,864,567; June 28.
Alloy of high permeability, Magnetic. H. Neumann and H. Kuhlewein. 1,857,970; May 10.
Alloy steel. L. Schneider. 1,874,814; Aug. 30.
Alloy, Steel. W. H. Woodhall. 1,885,667; Nov. 1.
Alloy, Wear resisting ferrous. A. W. Gregg and R. H. Frank. 1,876,411; Sept. 6.
Alloy, Wear resisting ferrous. H. A. Mitchell and A. W. Gregg. 1,876,724; Sept. 13.
Alloy with copper as a primary metal. G. Pemetzrieder. 1,876,262; Sept. 6.
Alloy, Zinc base die-casting. E. A. Anderson and G. L. Werlein. 1,852,441–2; Apr. 5.
Alloy, Zinc base die-casting. W. M. Peirce and E. A. Anderson. 1,852,434; Apr. 5.
Alloys. J. K. Smith. 1,868,293; July 19.
Alloys, Acid-proof. E. Valenta. 1,890,595; Dec. 13.
Alloys, Bearing. H. W. Gillett and H. C. Cross. 1,864,240; June 21.
Alloys, Lead. R. S. Dean. 1,890,013–14; Dec. 6.
Alloys, Magnesium base. J. A. Gann and F. L. Reynolds. 1,885,429; Nov. 1.
Alloys, Magnesium-manganese-zinc. J. A. Gann. 1,886,251; Nov. 1.
Alloys, Manufacture of. R. W. Stimson and W. Borchers. 1,863,642; June 21.
Alloys, Manufacture of metallic. R. S. Read. 1,844,598; Feb. 9.
Alloys, Manufacture of nickel iron. G. C. Marris, G. R. Pelgreen, and S. V. Williams. 1,878,559; Sept. 20.
Alloys, Method and composition for deoxidizing. S. R. Keith. 1,846,114; Feb. 23.
Alloys, Preparing and purifying. P. H. Brace. 1,858,386; May 17.
Alloys, Process and apparatus for melting down easily fusible. K. Brackelsberg. 1,845,228; Feb. 16.
Alloys, Producing. P. H. Brace. 1,849,476; Mar. 15.
Alloys, Producing hard. E. H. Schulz and K. Löbbecke. 1,877,063; Sept. 13.
Alloys, Producing magnetic. V. B. Browne. 1,867,804; July 19.
Alloys, Producing sintered. R. R. Walter. 1,856,607; May 3.
Alloys, Refining lead bismuth. J. J. Fingland, A. D. Turnbull, and P. F. McIntyre. 1,840,028; Jan. 5.
Alloys, Treatment of. R. T. Wood. 1,845,694; Feb. 16.
Alloys, Treatment of aluminum. N. B. Lane and W. T. Ennor. 1,891,549; Dec. 20.
All purpose gate. C. O. Walker and L. M. Braziel. 1,851,472; Mar. 29.
Almanac and the like, Monthly. J. M. Pla Costa. 1,868,430; July 19.
Alphabetical code punching device. J. W. Bryce. 1,880,408; Oct. 4.
Altar, Home. A. Dordan and E. Johnson. Des. 87,301; July 5.
Alternating current machinery, Starting. F. W. Gay. 1,847,519; Mar. 15.
Alternating current motor. H. Weichsel. 1,880,565; Oct. 4.
Altimeter. E. F. Bacon. 1,848,053; Mar. 1.
Altimeter, Sensitive. G. P. Luckey. Re18,681; Dec. 6.
Altitude finder. W. E. Johnson. 1,852,656; Apr. 5.
Altitude reading recorder. M. R. Pierce. 1,842,837; Jan. 26.
Alumina and phosphates, Obtaining. F. Rothe and H. Brenek. 1,854,765; Apr. 19.
Alumina from coal and its ashes, Recovering. W. M. Guertler. 1,873,642; Aug. 23.
Alumina from silicious materials containing it, Recovering. W. M. Guertler. 1,868,499; July 26.
Alumina, Preparation of. J. C. Seailles. 1,856,194; May 3.
Alumina, Producing. A. W. Scheidt. 1,891,608; Dec. 20.
Alumina soda and hydrochloric acid, Production of. L. R. Keogh. 1,854,409; Apr. 19.
Aluminum alkali metal compounds, Double. H. Specketer, J. Still. 1,873,727; Aug. 23.
Aluminum alloy. E. M. Gingerich. 1,862,788; June 14.
Aluminum alloy. H. C. Hall and T. F. Bradbury. 1,871,607; Aug. 16.
Aluminum alloy. C. D. Russell. 1,850,517; Mar. 22.
Aluminum alloy. C. S. Taylor and J. D. Edwards. Re18,552; Aug. 2.
Aluminum alloy articles and making the same, Corrosion-resistant. E. H. Dix, jr. 1,865,089; June 28.
Aluminum alloy casting and making the same. A. Pacz. 1,860,947; May 31.
Aluminum alloys containing silicon, Modifying. A. Pacz. 1,848,798; Mar. 8.
Aluminum alloys, Making self improving. S. Junghans. 1,845,558; Feb. 23.
Aluminum and aluminum alloys, Producing. W. Neumann. 1,881,872; Oct. 11.
Aluminum and articles thereby, Heat-treating. R. W. Bridges. 1,840,562; Jan. 12.
Aluminum and other materials, Production of metallic. W. J. Lester. 1,878,939; Sept. 20.
Aluminum. Anodic coating of. C. H. R. Gower. 1,869,058; July 26.
Aluminum arc welding. J. Churchward. 1,869,667; Aug. 2.
Aluminum casting alloy. A. J. Lyon. 1,877,141; Sept. 13.
Aluminum chloride and nitrogen compounds, Producing anhydrous. C. G. Miner. 1,875,348; Sept. 6.
Aluminum chloride, Making. B. E. Carl. 1,862,298; June 7.
Aluminum chloride, Manufacture of. M. M. Holm. 1,868,008; July 19.
Aluminum chloride, Manufacture of. A. McD. McAfee. 1,867,672; July 19.
Aluminum chloride, Producing. W. H. Shiffler and W. P. Anderson. 1,887,566; Nov. 15.
Aluminum chloride, Producing anhydrous. K. Staib. 1,860,731; May 31.
Aluminum chloride, Production of anhydrous. C. B. Clark. 1,851,272–3; Mar. 29.
Aluminum chloride solutions, Purification of. H. Aichkelin and F. Teller. 1,870,214; Aug. 2.
Aluminum, Coated. H. Bengston. 1,869,041; July 26.
Aluminum, Coating. H. Bengston. 1,869,042; July 26.
Aluminum, Detinning. W. Fraenkel. 1,840,798; Jan. 12.
Aluminum fluoride, Manufacture of. M. Zimmermann. 1,851,475; Mar. 29.
Aluminum from waste coal products, Producing. A. W. Scheidt. 1,891,609; Dec. 20.
Aluminum hydrate, Obtaining. T. O. McAdoo. 1,858,165; May 10.

Aluminum hydroxide, Production of. S. S. Svendsen. 1,889,080; Nov. 29.
Aluminum lakes of 1.4-dihydroxy and 1-amino-4-hydroxy-anthraquinone-disulphonic acids. F. Baumann. 1,868,593; July 26.
Aluminum light alloy, Anticorrosive. I. Iytaka. 1,870,732; Aug. 9.
Aluminum magnesium alloys. R. S. Archer and L. W. Kempf. 1,856,615; May 3.
Aluminum nitrate from potassium, sodium, iron, calcium, magnesium nitrates, present in mixed solutions of these salts, Separation of. G. A. Blanc. 1,845,224; Feb. 16.
Aluminum oxide and other aluminum combinations, Production of. T. K. Haglund. 1,867,841; May 10.
Aluminum oxide, Manufacture of pure. Y. Tatsumi, T. Ikebe, and K. Okazaki. 1,853,097; Apr. 12.
Aluminum-silicon alloys or products containing aluminum oxide out of material containing aluminum sulphide, Production of. T. R. Haglund. 1,876,453; Sept. 6.
Aluminum, Production of. J. Brode, C. Wurster, and E. Buettgenbach. 1,854,684; Apr. 19.
Aluminum salts of gluconic acid. W. Kussmaul. 1,846,880; Feb. 23.
Aluminum-silicon alloy. B. T. Horsfield, L. W. Kempf, and W. L. Fink. 1,879,748; Sept. 27.
Aluminum-silicon alloys. R. S. Archer and L. W. Kempf. 1,848,816; Mar. 8.
Aluminum-silicon alloys, Treatment of. A. Pacz. 1,845,797; Mar. 1.
Aluminium sulphate, Making basic. E. D. Smith. 1,873,348; Aug. 23.
Aluminum, Treating. F. M. Clark. 1,846,844; Feb. 23.
Aluminum, Treatment of. F. C. Frary. 1,847,555; Mar. 1.
Amalgam and product thereof, Forming an. H. S. Polin. 1,853,254; June 14.
Amalgamator. L. E. Knight. 1,877,670; Sept. 13.
Amalgamator. G. N. McDow. 1,854,269; Apr. 19.
Amides of the benzene, the Toluene, and xcenaphthene series, Manufacture of. L. J. Hooley and J. Thomas. 1,891,159; Dec. 13.
Amine, Analyzing. E. Mills. 1,878,969; Sept. 20.
Amine hydrohalides, Manufacture of. M. E. Putnam. 1,858,640; May 17.
Amine hydrohalides of the benzene series, Preparation and purification of primary aromatic. M. E. Putnam and L. E. Mills. 1,878,512; Sept. 20.
Amine hydrohalides of the benzene series, Purification of primary aromatic. L. E. Mills. 1,878,970; Sept. 20.
Amine hydrohalides, Preparation of. E. C. Britton. 1,843,705; Feb. 2.
Amines, Making aromatic. M. E. Putnam. 1,885,625; Nov. 1.
Amines, Making secondary aromatic. P. G. Jones. 1,859,355; May 24.
Amines of the benzene series by hydrogenation of their corresponding azo ethers, Production of primary aromatic. R. P. Perkins and P. S. Petrie. 1,890,430; Dec. 6.
Amines of the hydroaromatic-alphatic series, Production of. O. Schmidt, K. Seydel, and E. Meyer. 1,845,663; Feb. 16.
Amines, Preparation of mono-alkyl aromatic. E. C. Britton and H. R. Slagh. 1,887,228; Nov. 8.
Amines, Production of aromatic. P. Herold and P. Koppe. 1,854,258; Apr. 19.
Amines, Production of N-substituted. J. W. Livingston. 1,853,533; Apr. 12.
Amino-acridinium compounds and making them, Alkylated. W. Schmidt and P. Hartmuth. 1,877,985; Sept. 20.
Amino-aldehyde compounds, Manufacturing. G. Kalischer, H. Bitter, and E. Herold. 1,876,953; Sept. 13.
Amino anthraquinone, Manufacture of sulphonated. A. Davidson, W. W. Tatum, and G. E. Watts. 1,873,300; Aug. 23.
Amino anthrones and preparing the same. E. T. Howell. 1,840,036; Jan. 5.
Amino azo compounds and preparing the same, Acylated. E. C. Tisza and B. Joos. 1,874,656; Aug. 30.
Amino compounds, Making aromatic. W. H. Williams. 1,840,760; Jan. 12.
Amino compounds, New water soluble diazo. A. Ossenbeck and E. Tietze. 1,867,088; July 12.
Amino derivatives of 4-hydroxy diphenyl. E. F. Grether. 1,850,131; May 3.
Amino derivatives of hexahydrodiphenyl, Producing. E. Korten. 1,851,391; Mar. 29.
Amino-diaryl ethers, Preparing. E. F. Grether. 1,890,256; Dec. 6.
Amino group in phenyl-azo-alpha-alpha-diamino pyridine with a hydroxyl group, Replacing one. E. T. Tisza and B. Joos. 1,876,601; Sept. 6.
Amino-H-acid from aqueous solution of the same, Salting out. L. A. Figuet and R. L. Hunt. 1,848,747; Mar. 8.
Amino-hydroxy pyridine and preparing the same. E. T. Tisza and B. Joos. 1,863,676; June 21.
Amino naphthalene derivatives, Amino arylated. H. Heimann and P. Virck. 1,857,542; May 10.
Aminonaphthalene derivatives, Arylated. H. Heimann and P. Virck. 1,857,541; May 10.
Amino-phenols and primary aryl amines conjointly, Preparation of. E. C. Britton and R. D. Holmes. 1,882,758; Oct. 18.
Ammeter. I. W. Brogger. 1,846,181; Feb. 23.
Ammonia absorbent and making the same. C. R. Downs. 1,864,988; June 28.
Ammonia and calcium chloride from ammoniacal liquors, Production of. D. R. Means. 1,845,030; Feb. 16.
Ammonia and composition therefor, Generation and application of. F. J. Metzger. 1,862,696; June 14.
Ammonia and hydrogen sulphide from gases, Removing. F. Overdick. 1,868,843; July 26.
Ammonia from fermentation mashes, Apparatus for the recovery of. L. E. Carlsmith, B. C. Boeckeler, and I. J. Krchma. 1,885,003; Oct. 25.
Ammonia from fermentation mashes, Recovery of. L. E. Carlsmith, B. C. Boeckeler, and I. J. Krchma. 1,884,561; Oct. 25.
Ammonia from petroleum refinery by-products, Making synthetic. C. Ellis. 1,904,771; June 28.
Ammonia liquor, Method and apparatus for the manufacture of concentrated. M. Shoeld. 1,872,829; Aug. 23.
Ammonia, Oxidation of. F. Jost. 1,858,740; May 17.
Ammonia, Oxidizing. T. Fischer and R. Wendlandt. 1,850,129; Mar. 22.
Ammonia, Producing. P. H. Falter. 1,889,956; Dec. 6.
Ammonia, Producing. D. Pyzel. 1,849,357; Mar. 15.
Ammonia, Purification of by-product. A. O. Jaeger. 1,844,393; Feb. 9.
Ammonia, Recovering. L. S. Deitz, jr. 1,849,420; Mar. 15.
Ammonia-soda process for the production of sodium hydroxide, NaOH, with simultaneous production of ammonia. F. Bartling. 1,877,489; Sept. 13.
Ammonia still waste, Apparatus for treatment of. W. D. Patton. 1,873,629; Aug. 23.
Ammonia, Synthesis of. W. Wettstein. 1,887,475; Nov. 8.
Ammonia synthesis process. A. T. Larson. 1,844,963; Feb. 16.
Ammonium bromide, Manufacture of. C. A. Hochwalt and J. B. Waliuszis. 1,872,292; Aug. 16.
Ammonium carbonate, Production of solid. F. Rüsberg and G. Clauss. 1,849,043; Mar. 8.
Ammonium chloride crystals, Manufacture of. C. W. Bunn. 1,848,513; Mar. 8.
Ammonium chloride from coke oven gases and the like, Production of. J. W. Hacker and T. C. Lloyd. 1,849,923; Mar. 15.
Ammonium phosphate, Producing. M. Larsson. 1,876,011; Sept. 6.
Ammonium sulphate and di-ammonium phosphate, Obtaining mixtures of. C. J. Hansen. 1,866,564; July 12.
Ammonium sulphate from hot gas, Direct recovery of. W. B. Wingert. 1,880,631; Oct. 4.
Ammonium sulphate or salts containing it, Manufacturing. S. Hori. 1,888,633; Nov. 22.
Ammunition. J. E. Burns. 1,862,295; June 7.
Ammunition. J. E. Burns. 1,878,621; Sept. 20.
Ammunition feed box. R. C. Coupland. 1,890,639; Dec. 13.
Ammunition for cannons. L. L. Driggs, jr. and H. B. Faber. 1,852,403; Apr. 5.
Amplifier. D. G. Little. 1,877,918; Sept. 20.
Amplifier. S. Loewe. 1,887,577; July 19.
Amplifier. H. J. McCreary. 1,855,863; Apr. 26.
Amplifier and circuit arrangement therefor, Thermionic. H. J. Round. 1,841,388; Jan. 19.
Amplifier, Broad band audio. E. Z. Lane. 1,868,579; July 26.
Amplifier, Continuous current. E. Asch. 1,862,394; June 7.
Amplifier, Electric signal. W. L. Carlson. 1,849,821; Mar. 15.
Amplifier energizing system. B. F. Miessner. 1,842,558; Jan. 26.
Amplifier for electric currents. J. E. Lilienfeld. 1,877,140; Sept. 13.
Amplifier for sound reproducing devices. A. E. Tauscher and B. E. Schultze. 1,839,714; Jan. 5.
Amplifier for use in connection with photo-electric devices, Thermionic. W. F. Tedham. 1,884,376; Oct. 25.
Amplifier, Gas tube. G. Jobst, J. Richter, and W. Wehnert. 1,893,749; Dec. 31.
Amplifier, High frequency. C. E. G. Bailey. 1,850,784; Mar. 22.
Amplifier, High frequency. G. E. M. Perroux and V. Corelli. 1,872,334; Aug. 16.
Amplifier, Magnetic. E. Peterson. 1,884,845; Oct. 25.
Amplifier, Multiple unit high frequency. S. Loewe. 1,875,057; Aug. 30.
Amplifier, Multiple unit sound. C. D. Haigis. 1,849,486; Mar. 15.
Amplifier, Multistage. P. Borias. 1,872,109; Aug. 16.
Amplifier, Photocell. V. K. Zworykin and H. A. Iams. 1,872,381; Aug. 16.
Amplifier, Pick-up. A. Hund. 1,863,052; June 14.
Amplifier, Push-pull. H. A. Wheeler. 1,878,740–1; Sept. 20.
Amplifier, Push-pull. H. A. Wheeler. 1,878,743; Sept. 20.
Amplifier, Resistance coupled. K. Posthumus. 1,844,177; Feb. 9.
Amplifier system. R. Feldtkeller. 1,872,264; Aug. 16.
Amplifier system. B. F. Miessner. 1,854,854; Apr. 19.
Amplifier system. J. E. Tarr. 1,847,145; Mar. 1.
Amplifier system. S. Y. White. 1,883,184; Apr. 12.
Amplifier system, method, and apparatus. E. H. Loftin and S. Y. White. 1,851,587; Mar. 29.

Amplifier system, method, and apparatus. S. Y. White. 1,851,556; Mar. 29.
Amplifier system, Stabilized. H. F. Elliott. 1,868,162; July 19.
Amplifier, Thermionic. M. G. Satteren. 1,856,116; May 3.
Amplifier, Thermionic. H. A. Wheeler. 1,878,742; Sept. 20.
Amplifier, Torque. H. B. Greening and J. W. Galloway. 1,846,981; Feb. 23.
Amplifier tube control. W. van B. Roberts. 1,872,347; Aug. 16.
Amplifier tubes having common plate supply, Preventing feedback in. J. A. Hyndman. 1,845,979; Feb. 16.
Amplifier, Tunable dynatron. P. O. Farnham. 1,890,503; Dec. 13.
Amplifier, Vacuum tube. J. O. McNally. 1,848,187; Mar. 8.
Amplifier, Wave filter impedance-coupled. W. W. Salisbury. 1,869,715; Aug. 2.
Amplifiers, Input system for electrical. F. H. Drake and W. D. Loughlin. 1,843,018; Jan. 26.
Amplifying system. J. O. Baker. 1,890,489; Dec. 13.
Amplifying system. G. L. Beers. 1,883,490; Oct. 18.
Amplifying system. L. G. Bostwick. 1,869,459; Aug. 2.
Amplifying system. W. L. Carlson. 1,870,037; Aug. 2.
Amplifying system. W. F. Eames. 1,858,267; May 17.
Amplifying system. A. D. Silva. 1,885,301; Nov. 1.
Amplifying system. S. V. White. 1,853,106; Apr. 12.
Amplifying system, method, and apparatus. P. Meyer and H. J. Spanner. 1,852,182; Apr. 5.
Amplitude limiting device for amplifying systems. N. Bishop. 1,893,859; Jan. 10.
Ampul, Injection. F. Meyer. 1,860,898; May 31.
Ampul machine. W. Ledig. 1,864,023; June 21.
Ampule sealing machine. F. C. De Lano. 1,839,654; Jan. 5.
Amusement and advertising device. B. R. Wright. 1,876,481; Sept. 6.
Amusement and dispensing device. W. Rabkin and C. Fleischer. 1,888,050; Nov. 15.
Amusement and educational device, Electrically operated. J. M. Prentice. 1,881,242; Oct. 4.
Amusement apparatus. J. W. Estes. 1,863,653; June 21.
Amusement apparatus. E. Fey. 1,855,445; Apr. 26.
Amusement apparatus. R. Frei. 1,865,005; June 28.
Amusement apparatus. R. Laborda. 1,854,473; Apr. 19.
Amusement apparatus. F. L. Markey. 1,888,005; Nov. 15.
Amusement apparatus. R. Rapein. 1,873,216; Aug. 23.
Amusement device. H. B. Atwater. 1,844,141; Feb. 9.
Amusement device. H. Bevan. 1,855,583; Apr. 26.
Amusement device. H. C. Buicke. 1,854,978; Apr. 19.
Amusement device. M. A. Delaware. 1,850,453; May 31.
Amusement device. E. Elvidge. 1,886,883; Nov. 8.
Amusement device. H. C. Enge. 1,846,381; Feb. 23.
Amusement device. D. Epstein, J. H. Fowler, and C. A. Boehler. 1,857,622; May 10.
Amusement device. W. A. Fuld. 1,870,677; Aug. 9.
Amusement device. E. H. Gehm. 1,861,597; June 7.
Amusement device. A. A. Girard. 1,877,656; Sept. 13.
Amusement device. S. T. Harvey. 1,844,852; Feb. 9.
Amusement device. E. R. Hume. 1,880,139; Sept. 27.
Amusement device. J. Hurwitch. 1,851,288; Mar. 29.
Amusement device. F. L. Markey. 1,839,981; Jan. 5.
Amusement device. J. S. Nairn. 1,881,803; Oct. 11.
Amusement device. H., h, and N. Pickard. 1,883,857; Oct. 18.
Amusement device. T. A. Ricco. 1,858,060; May 10.
Amusement device. A. J. Siebert. 1,877,246; Sept. 13.
Amusement device. W. J. Turnbull. 1,849,414; Mar. 15.
Amusement device. W. P. Zent. 1,890,765; Dec. 13.
Amusement device, Child's. B. H. White. 1,878,355; Sept. 20.
Amusement device, Finger striking. E. C. Fey. 1,866,021; July 5.
Amusement device for swimming pools. S. E. Test. 1,852,224; Apr. 5.
Amusement device, Passenger carrying. G. H. Cramer. 1,847,211; Mar. 1.
Amusement machine. R. Gatter. 1,868,742; July 26.
Amusement machine cabinet. C. R. Kirk. Des. 87,840; Sept. 27.
Amusement machine, Coin controlled. M. Wolin and N. F. Ribsam. 1,843,587; Feb. 2.
Amusement railway. L. S. Cassidy and M. Rempfer. Re18,544; July 26.
Amusement railway. H. G. Traver. 1,890,137; Dec. 6.
Amusement ride. H. F. Maynes. 1,847,250; Mar. 1.
Amusement ride. H. F. Maynes. 1,847,569; Mar. 1.
Amusement ride and vehicle therefor. H. G. Traver. 1,840,988; Jan. 12.
Anæsthetic inhaler. A. F. Parker. 1,866,667; July 12.
Anæsthetic solution, Spinal. G. P. Pitkin and C. W. Hooper. 1,888,934; Nov. 22.
Anæsthetic. G. Rud. 1,846,834; Feb. 23.
Analytical method and apparatus therefor. F. J. Norton. 1,874,339; Aug. 30.
Anamine salt of an alkyl-dithiocarbonic acid with benzothiazyl chlorothiocarbonate and producing the same, Reaction product of. W. P. Ter Horst. 1,880,300; Oct. 4.
-naphthol, Manufacture of. E. Lange. 1,879,337; Sept. 27.
Anchor. F. W. Aiken. 1,850,147; Mar. 22.
Anchor. F. N. Bierce. 1,853,400; Apr. 12.
Anchor. T. Birkenmaier. 1,849,268; Mar. 15.
Anchor. E. Colvin. 1,844,273; Feb. 9.
Anchor. W. O. Isaacson. 1,848,422; Mar. 8.
Anchor. W. R. Pounder. 1,875,139; Aug. 30.
Anchor. E. B. Swift. 1,858,347; May 17.
Anchor. W. E. White. 1,878,921; Sept. 20.
Anchor and fastening device, Combination. W. A. Roberts. 1,854,671; Apr. 19.
Anchor, Basket type. E. Umbricht. 1,890,271; Dec. 6.
Anchor, Bolt. A. W. Gelpcke. 1,852,297; Apr. 5.
Anchor, Bolt. H. W. Pleister and J. Karitzky. 1,852,089; Apr. 5.
Anchor, Brake. A. W. Frehse. 1,848,059; Mar. 1.
Anchor, Branch. R. B. Rickabaugh. 1,852,378; Apr. 5.
Anchor, Chain. R. W. Jones. 1,839,665; Apr. 12.
Anchor, Combination window, door jamb, and buck. D. E. Stephens. 1,854,633; Apr. 19.
Anchor connection for bridge and other cables. C. C. Sunderland. 1,852,683–4; Apr. 5.
Anchor device. E. E. Forrest. 1,864,300; June 21.
Anchor, Door buck. A. B. Patton. 1,847,977; Mar. 1.
Anchor, Earth. A. B. Chance. Re18,697; Dec. 20.
Anchor, Earth. H. M. Taylor. 1,855,546; July 5.
Anchor, Fence post. L. L. Goldenstar. 1,869,744; Aug. 2.
Anchor, Folding. T. Bedell. 1,865,163; June 28.
Anchor for building sheets, Edge. J. Siegfried. 1,858,221; May 10.
Anchor for electric lamps, Jar or vase. L. W. Anderson. 1,878,093; Sept. 20.
Anchor for hangers. A. W. Helberg. 1,887,455; Nov. 8.
Anchor for sleeping car berths, Mattress. J. F. Gail. 1,879,170; Sept. 27.
Anchor, Guy. T. B. Bash. 1,883,477; Oct. 18.
Anchor, House. C. B. Bradley. 1,864,403; June 21.
Anchor, Insert. D. H. Bitney. 1,880,709; Oct. 4.
Anchor, Loop rail. R. T. Woodings. 1,862,780; June 14.
Anchor, Packing. J. O. Nixon. 1,882,230; Oct. 11.
Anchor plate. E. W. Pelton. 1,879,459; Sept. 27.
Anchor plate, Universal. F. S. Schwinn. 1,845,990; Feb. 16.
Anchor, Rail. V. C. Armstrong. 1,842,061; Jan. 19.
Anchor, Rail. R. A. Blair. 1,882,654; Oct. 18.
Anchor, Rail. A. F. Finell. 1,873,192; Aug. 23.
Anchor, Rail. W. A. Thomas. 1,839,893; Jan. 12.
Anchor, Rail. K. E. Hofammann and L. H. Schlatter. 1,839,516; Nov. 29.
Anchor, Rail. M. Hertz. 1,869,268; July 26.
Anchor, Rail. T. C. McConkey and G. Picard. 1,866,897; July 12.
Anchor, Rail. G. L. Moore and J. R. Steele. 1,875,088; Aug. 30.
Anchor, Rail. G. L. Moore and J. R. Steele. 1,890,066; Dec. 6.
Anchor, Rail. H. G. Warr. 1,883,147; Oct. 18.
Anchor, Rail. E. Woodings and E. A. Showron. 1,846,010; Feb. 16.
Anchor, Safety. A. Buck. 1,883,761; Oct. 18.
Anchor, Sponge cutting, O. L. Hardgrave. 1,865,564; July 5.
Anchor, Stovepipe. E. G. Smith. 1,853,468; Apr. 12.
Anchor, Tubing. E. V. Crowell. 1,866,087; July 5.
Anchor, Tubing. H. C. Lynch. 1,869,759; Aug. 2.
Anchorage and product thereof. N. M. Jones. 1,857,912; May 10.
Anchorage device. F. E. Halden. 1,848,949; Mar. 8.
Anchorage for identification plates. B. J. Povalski. 1,847,444; Mar. 1.
Anchorage for rail tie plates. R. Faries and R. H. Boyd. 1,855,850; Apr. 26.
Anchorage of mattresses to screen poles, Method and apparatus for. O. V. Hough. 1,859,923; May 24.
Anchoring device. W. L. Peterson. 1,846,700; Feb. 23.
Anchoring device. W. S. Williams. 1,841,563; Jan. 19.
Anchoring device for article containers. E. L. Marks. 1,847,969; Mar. 1.
Anchoring means for shipped goods. R. R. Mauk. 1,839,326; Jan. 5.
Anesthetic, Rectal. K. Schranz and S. Jaeger. 1,882,984; Oct. 18.
Angle-bar bending die. A. Hossfeld. 1,881,592; Oct. 11.
Angle bar for rail joints. W. S. Boyce. 1,854,921; Apr. 19.
Angle block. A. D. Hamaker. 1,869,278; July 26.
Angle indicator for variable pitch propellers. W. R. Turnbull. 1,860,827; May 31.
Angles, Rounding flange. A. R. Wilson, R. Seeman, and M. Hallen. 1,858,398; Nov. 1.
Anhydride from ethylidene diacetate, Producing acetic. H. W. Matheson. 1,872,479; Aug. 16.
Anhydride, Manufacture of acetic. B. Herstein. 1,860,542; May 31.
Anhydride, Phthalic. W. S. Calcott and N. C. Somers. 1,854,882; Apr. 19.
Anhydride, Preparing acetic. E. Winter and A. Grimm. 1,865,405; June 28.
Anhydride, Purifying phthalic. L. C. Daniels. 1,851,383; Mar. 29.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,872,029; Aug. 16.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,872,030; Aug. 16.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,883,353; Oct. 18.

Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,884,626; Oct. 25.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,884,627; Oct. 25.
Anhydrides, Manufacture of aliphatic acid. H. Dreyfus. 1,872,914; Aug. 23.
Anhydrides of the lower fatty acid series, Production of. R. Muller and F. Voeller. 1,859,786; May 24.
Anhydrous-alkali-metal salts of 5,5-di-aliphatic-substituted barbituric acids and producing them. H. A. Shonle. 1,856,792; May 3.
Aniline, Catalytic manufacture of hexa hydro. W. Lommel and T. Poost. 1,862,599; June 14.
Aniline 2:5-disulfonic acid, Producing. W. Neelmeier and E. van Hulle. 1,889,371; Nov. 29.
Aniline, Manufacture of. W. Minnis. 1,844,518; Feb. 9.
Animal bath, Portable. D. E. Smoot. 1,879,915; Sept. 27.
Animal carcasses, Branding edible. R. W. Johns. 1,863,903; June 21.
Animal feeding device. H. W. Kulp. 1,879,332; Sept. 27.
Animal fibers, Treating. R. Feibelmann. 1,864,718; June 28.
Animal gut defatting machine. C. F. Miller, jr. 1,876,258; Sept. 6.
Animal hairs, Weighing. G. Schwen and H. Krzikalla. 1,887,958; Nov. 15.
Animal intestines, Cleaning. R. D. Pulley and F. Seaver. 1,855,925; Apr. 26.
Animal intestines, Splitting. G. Redemske. 1,854,426; Apr. 19.
Animal matters, Method and apparatus for treatment of. A. Sommermeyer. 1,845,893; Feb. 16.
Animal offals, Apparatus for use in scalding. F. Hill. 1,864,135; June 21.
Animal racing apparatus. J. Oldham. 1,847,976; Mar. 1.
Animal ringer. W. H. Stanley. 1,892,639; Dec. 27.
Animal tissue and product, Preparing colored. J. Schweitzer. 1,854,350; Apr. 19.
Animal trap. T. H. Alston. 1,884,499; Oct. 25.
Animal trap. W. L. Austin. 1,844,739; Feb. 9.
Animal trap. V. Bailey. 1,886,862; Nov. 8.
Animal trap. S. C. Booth. 1,877,264; Sept. 13.
Animal trap. W. Clinton. 1,871,157; Aug. 16.
Animal trap. H. Cooper. 1,889,351; Nov. 29.
Animal trap. A. J. Dodge. 1,846,851; Feb. 23.
Animal trap. W. J. Gibbs. 1,871,516; Aug. 16.
Animal trap. W. A. Gibbs. 1,890,377; Dec. 6.
Animal trap. J. F. Hauck. 1,870,331; Aug. 9.
Animal trap. H. Kaufman. 1,861,479; June 7.
Animal trap. W. Knippelmeir. 1,865,920; July 5.
Animal trap. A. Lang. 1,860,507; May 31.
Animal trap. A. Lavoie. 1,861,031; June 7.
Animal trap. J. U. Lehn. 1,861,968; June 7.
Animal trap. J. U. Lehn and M. A. Huebener. 1,879,939; Sept. 27.
Animal trap. W. J. Lementy. 1,858,095; May 10.
Animal trap. E. P. Mack. 1,842,618; Jan. 26.
Animal trap. F. Magee and G. W. Haverbeck. 1,861,312; May 31.
Animal trap. H. W. McCreary and J. D. Zahm. 1,852,249; Apr. 5.
Animal trap. J. Meade. 1,873,616; Aug. 23.
Animal trap. H. W. Muhleisen. 1,864,664; June 28.
Animal trap. E. A. Nerby. 1,881,871; Oct. 11.
Animal trap. H. Nordmeyer. 1,852,473; Apr. 5.
Animal trap. F. S. Northup. 1,851,371; Mar. 29.
Animal trap. O. W. Orth and C. P. Griswold. 1,843,141; Feb. 2.
Animal trap. J. T. Pairo. 1,850,634; Mar. 22.
Animal trap. J. M. Schiltz. 1,860,599; May 31.
Animal trap. O. Session. 1,867,023; June 7.
Animal trap. R. L. Shores and J. Currie. 1,843,046; Jan. 26.
Animal trap. H. A. Stilson. 1,891,737; Dec. 20.
Animal trap. J. T. Wilkerson. 1,847,508; Mar. 1.
Animal trap. J. D. Zahm and J. U. Lehn. 1,879,968; Sept. 27.
Animal trap. I. Z. Zelma. 1,877,712; Sept. 13.
Animals to be slaughtered, Apparatus for stunning. A. Pfretzschner. 1,857,658; May 10.
Anklet. R. Pennock. 1,846,911; Feb. 23.
Annealing apparatus. P. E. Hunter. 1,863,053; June 14.
Annealing, Apparatus for. C. J. Brown. 1,870,551; Aug. 9.
Annealing art and apparatus. L. L. Lewis. 1,843,097; Jan. 26.
Annealing furnace. C. F. Kenworthy. 1,876,960; Sept. 13.
Annealing furnace. H. A. Kenworthy. 1,856,563; May 3.
Annealing furnace. W. E. Moore and G. L. Simpson. 1,891,112; Dec. 27.
Annealing furnace. R. H. Stevens. 1,848,281; Mar. 8.
Annealing pot. H. E. Graham. 1,863,749; June 21.
Annealing process. C. S. Heath. 1,869,254; July 26.
Announcing device. J. L. Franklin. 1,862,475; June 7.
Annular articles, Apparatus for vulcanizing. C. E. Maynard. 1,876,333; Sept. 6.
Annular elements to supporting structures, Attaching. A. M. Nelson. 1,881,867; Oct. 11.
Annular objects, Making. C. P. Chamberlin. 1,889,773; Dec. 6.
Annular objects, such as tire covers, Construction of. C. P. Chamberlin. 1,889,774; Dec. 6.
Annunciator. J. S. Jones. 1,873,419; Aug. 23.
Annunciator. J. C. MacLennan. 1,849,195; Mar. 15.
Annunciator, Audible air speed. J. E. Eshbaugh. 1,866,019; July 5.
Annunciator system. S. F. Nelson. 1,889,053; Nov. 29.
Anode. G. Dubpernell. 1,868,052; July 19.
Anode. J. S. Thelen. 1,886,761; Nov. 8.
Anode cooling for rectifiers. E. B. Shand. 1,871,282; Aug. 9.
Anode, Corrugated or threaded. J. K. Hitner. 1,872,290; Aug. 16.
Anode, Flexible and adjustable. A. K. Laukel. 1,881,713; Oct. 11.
Anodes for iron plating. J. R. Cain. 1,848,002; Mar. 1.
Antenna. C. W. Hansell. 1,883,776; July 26.
Antenna. H. C. Hebig. 1,851,178; Mar. 29.
Antenna. N. E. Lindenblad. 1,873,050; Aug. 30.
Antenna. N. E. Lindenblad. 1,884,096; Oct. 25.
Antenna. C. J. Pagel and B. L. Sulick. 1,884,176; Oct. 25.
Antenna. G. G. von Arco and W. Schaffer. 1,839,426; Jan. 5.
Antenna. T. Weitling. 1,886,322; Nov. 1.
Antenna arrangement. H. Chireix. 1,843,445; Feb. 2.
Antenna construction. H. Busch. 1,860,128; May 24.
Antenna coupling system, L. A. Hazeltine. 1,852,710; Apr. 5.
Antenna lead-out insulator. C. B. Mirick. 1,858,336; May 17.
Antenna reel. C. B. Mirick. 1,856,223; May 3.
Antenna shield for eliminating interference and undesirable waves. E. H. Hand. 1,847,872; Mar. 1.
Antenna system. T. R. Baker. 1,878,257; Sept. 20.
Antenna system, Directional. L. Bouthillon. 1,863,741; June 21.
Antenna system, Directive. J. C. Echelleng. 1,892,253; Dec. 27.
Antenna system, Directive. E. J. Sterba. 1,885,151; Nov. 1.
Antenna system, Ultra short wave. C. W. Hansell. 1,874,983; Aug. 30.
Antenna system, Unidirectional. E. Bruce. 1,841,085; Jan. 12.
Anthanthrone, Halogenating. R. Herz and W. Zerweck. 1,877,866; Sept. 20.
Anthanthrone, Manufacturing chlorinated derivatives of. R. Herz and W. Zerweck. 1,849,426; Mar. 15.
Anthracene and other substances, Purifying. F. E. Cislak. 1,879,090; Sept. 27.
Anthracene, Catalytic oxidation of. A. O. Jaeger. 1,885,832; Nov. 1.
Anthracene, Catalytic oxidation of. A. O. Jaeger. 1,886,023; Nov. 1.
Anthracene derivatives, Production of. W. Smith and R. F. Thomson. 1,875,272; Aug. 30.
Anthracene, Producing pure. L. Kahl. 1,869,481; Aug. 2.
Anthraquinone and derivatives thereof, Production of. A. Luttringhaus, H. Neresheier, W. Eichholz, G. Boehner, and W. Schneider. 1,890,040; Dec. 6.
Anthraquinonebenzacridone, Halogenated. W. Bruck. 1,848,073-4; Mar. 1.
Anthraquinone body and preparing same. I. Guhelmann, R. J. Goodrich, and W. L. Rintelman. 1,870,249; Aug. 9.
Anthraquinone derivatives, Manufacture of. E. Gutzwiller. 1,884,831; Dec. 6.
Anthraquinone derivatives, Manufacture of. F. Lodge and W. W. Tatum. 1,850,511; Mar. 22.
Anthraquinone derivatives, Manufacture of. F. Lodge and W. W. Tatum. 1,851,753-2; Oct. 1.
Anthraquinone derivatives, Manufacture of. A. Shepherdson. 1,873,344; Aug. 23.
Anthraquinone derivatives, Manufacture of. A. Shepherdson. 1,873,345; Aug. 23.
Anthraquinone derivatives, Production of. W. Bradley, R. J. Lovelock, and H. F. Thomson. 1,863,265; June 14.
Anthraquinone derivatives, Production of. H. A. E. Drescher, W. Smith and J. Thomas. 1,862,786; June 14.
Anthraquinone product. L. C. Daniels, C. J. Schwindt, and A. O. Jaeger. 1,842,290; Jan. 26.
Anthraquinone, Purification of. A. O. Jaeger. 1,844,389; Feb. 9.
Anthraquinone, Purification of. A. O. Jaeger. 1,845,281; Feb. 16.
Anthraquinonyl-amino derivatives of benzanthrone-pyrazolanthrone. M. A. Kunz and K. Koeberle. 1,857,553; May 10.
Anthrimido carbazoles. H. Bruns, F. Baumann, and M. Kugel. 1,856,207; May 3.
Anti-recoil fire control apparatus. S. J. van den Bergh. 1,847,734; Mar. 1.
Antiaircraft firing, Method and device for. Y. M. P. G. Le Prieur and A. L. Ricordel. 1,844,429; Feb. 9.
Anti-freeze feeder for pipe lines. C. W. Coy. 1,839,836; Jan. 5.
Antifreeze solution. I. T. Smith. 1,878,903; Sept. 20.
Antifreezing device for windows, windshields and the like. A. Milette and P. Dupuis. 1,885,127; Nov. 1.
Antifriction device. C. H. M. Bull. 1,888,216; Nov. 22.
Antifriction device for drill pipe. E. W. Goeser. 1,877,395; Sept. 13.
Antiglare device for automobile drivers. F. More. 1,871,461; Aug. 16.

Antiglare device for automobile headlights. A. F. Schoen. 1,868,995; July 26.
Antiglare device for vehicles. R. D. Hogg. 1,848,564; Mar. 8.
Antiglare screen. F. H. Campbell. 1,845,125; Feb. 16.
Antiglare shield. W. H. Stansberry. 1,849,338; Mar. 15.
Anti-halation layers for photographic material. W. Schneider. 1,879,537; Sept. 27.
Antiinduction shielding system. A. Herz. 1,881,573; Oct. 11.
Anti-knock compounds for internal combustion engines and cranking same. R. Cross. 1,883,593; Oct. 18.
Antimoth cake and deodorant, Packaged. M. Bordman. Des. 88,622; Dec. 13.
Anti-oil-pollution system. H. E. Rossell and R. N. S. Baker. 1,859,246; May 17.
Antioxidant. L. B. Sebrell. 1,857,981; May 10.
Antioxidant. J. Teppema. 1,858,705; Nov. 22.
Anti-oxidant for rubber. W. S. Calcott and W. A. Douglass. 1,874,895; Aug. 30.
Antioxidant for vulcanized rubber products. J. R. Ingram. 1,890,154; Dec. 6.
Antioxidant or age-retarder. A. M. Clifford. 1,849,822; Mar. 15.
Antioxidant or age-retarder. J. Teppema. 1,841,342; Jan. 12.
Antioxidant or age retarder for rubber compounds. L. B. Sebrell and A. M. Clifford. 1,884,885; Oct. 25.
Antipacking attachment. G. M. Weeks. 1,880,438; Nov. 1.
Antiplifer record machine. L. F. Hagemann. 1,858,589; May 17.
Antirachitic preparations and making same. A. Windaus. 1,875,942; Aug. 23.
Antirachitic product and process. H. Steenbock. 1,871,135; Aug. 9.
Antirachitic product essence and process. H. Steenbock. 1,871,136; Aug. 9.
Antiratttle device for vehicle doors. W. C. Holden. 1,887,842; Nov. 15.
Antirattler dovetail for doors. R. G. Moore. 1,878,248; Sept. 20.
Antirattle dovetail for doors.
Moore. 1,865,875-6; July 5.
Antirattler. J. Sneed. 1,878,197; Sept. 20.
Antirattler device for doors. O. C. Ritz-Woller. 1,892,374; Dec. 27.
Anti-rattler for windows. E. A. Carter. 1,880,173; Sept. 27.
Antirattling device. C. Wirth. 1,890,275; Dec. 6.
Antirattling device, Engine hood. A. F. Jackson. 1,890,226; May 24.
Antirattling device for a window regulator clutch. H. C. Field. 1,877,288; Sept. 13.
Antiricketic substances and the production thereof. A. J. Pacini. 1,880,977; Oct. 4.
Antiskid device. E. and H. McKenney and N. T. Fox. 1,877,900; Sept. 13.
Anti-skid device. A. G. Fitz Gerald. 1,887,404; Nov. 8.
Antiskid device. S. A. Lowe. 1,854,616; Apr. 19.
Anti-skid device. F. A. Olmstead. 1,874,424; Aug. 9.
Antiskid device. G. Rottman. 1,854,766; Apr. 19.
Antiskid device. H. St. Pierre. 1,879,584; Sept. 27.
Antiskid device. J. Schramm. 1,874,637; Aug. 30.
Antiskid device. A. H. Squier. 1,864,869; June 28.
Antiskid device. A. H. Squier. 1,890,957; Dec. 13.
Antiskid device. L. S. Van Kleeck. 1,890,872; Dec. 13.
Antiskid device for tires. G. H. Borg. 1,855,279; Apr. 26.
Anti-skidding device. D. R. Tudhope. 1,890,346; Dec. 6.
Antislip device. C. B. Johnson. 1,852,751; Apr. 5.
Anti-slipping attachment for wheels. F. C. Weber. 1,882,376; Oct. 11.
Anti-squeak device, Hood. H. H. Hicks. 1,847,962; Mar. 1.
Antitail spin device. L. J. Tetlow. 1,858,195; May 10.
Antitheft device. A. C. Boivin. 1,841,358; Jan. 19.
Antithumb sucking device. W. C. Darby. 1,851,351; Mar. 29.
Antitipping device. R. A. Isenberg. 1,861,799; June 7.
Anti-tobacco confection. H. W. Cox and D. H. Moore. 1,870,098; Aug. 2.
Anti-vibration device. A. H. Rangnow. 1,869,437; Aug. 2.
Anti-vibration device. J. F. Werner. 1,889,579; Nov. 29.
Antivibration means for the support of optical observation instruments. J. W. Evench. 1,870,310; Aug. 9.
Antivibrator, Harmonic. A. J. Bocz. 1,886,246; Nov. 1.
Ant jar. J. D. Marsh. 1,887,771; Nov. 15.
Anvil for fuel hoggers. A. De Bourg. 1,870,898; Aug. 9.
Anvil, Metal. G. L. Curle. Des. 87,031; May 24.
a-para-hydroxyphenyl- -methylaminopropanol and preparing it. F. Stolz. 1,878,021; Sept. 20.
Aperiodic disturbances, Eliminating. F. Conrad. 1,874,910; Aug. 30.
Apparatus for absorbing and measuring the power developed by prime movers. G. H. Walker. 1,892,295; Dec. 27.
Apparatus for assembling wire wheels. J. Sneed. 1,876,356; Sept. 6.
Apparatus for assisting air and sea navigation. O. C. Warrick. 1,889,026; Nov. 29.
Apparatus for carrying out reactions continuously in the liquid phase under increased pressure. K. H. Saunders. 1,884,880; Oct. 25.
Apparatus for correlating spaced points of observation. H. H. Buckman. 1,871,877; Aug. 16.
Apparatus for gathering and feeding in crops. H. S. Taylor. 1,868,437; July 19.
Apparatus for heating rooms. W. L. Mack. 1,890,521; Dec. 13.
Apparatus for mechanically solving rectangular triangles. K. Petschenig. 1,869,502; Aug. 2.
Apparatus for observing rapidly moving objects. E. A. Butler. 1,880,774; Oct. 4.
Apparatus for permanently waving the hair. H. Speetjens. 1,858,614; Oct. 4.
Apparatus for receiving television pictures. F. Schröter. 1,884,287; Oct. 25.
Apparatus for reducing metal stock. G. B. Coe. 1,865,304; June 28.
Apparatus for rewinding films. J. H. Goldberg. 1,863,980; June 21.
Apparatus for splitting and forming metal sheets. H. K. Baker. 1,889,969; Dec. 6.
Apparatus for spraying vegetables, Portable. L. C. Potts and O. P. Romine. 1,859,935; May 24.
Apparatus for straightening out the ends of bent pipes. R. H. Bohling. 1,857,883; May 10.
Apparatus for testing the physical condition of human beings. L. F. Mackenzie, P. V. Wells and E. G. Dewis. 1,887,732; Nov. 15.
Apparatus for use in combination or in conjunction with a sextant adapted for use as an artificial horizon and direction indicator. L. H. Morrison. 1,857,736; May 10.
Apparatus to enable the blind to read. H. C. Snook. 1,889,576; Nov. 29.
Apparel buckle. F. Hirsh. Des. 87,636; Aug. 23.
Apparel, Wearing. R. L. Barker. 1,854,821; Apr. 19.
Apparel, Wearing. M. Ray. 1,847,699; Mar. 1.
Apparel, Wearing. F. J. Russell. 1,839,503; Jan. 5.
Apparel, Wearing. E. Schiaparelli. 1,891,610; Dec. 20.
Apparel, Wearing. M. G. Sykora. 1,857,574; May 10.
Apple slicing machine. F. Tapac. 1,881,908; Oct. 11.
Apples for freezing, Preparing. R. A. Rasche. 1,877,587; Sept. 13.
Application for automobiles. J. L. Creveling. 1,890,496; Dec. 13.
Appliance for use in hair waving. W. and H. MacDonald. 1,846,963; Feb. 23.
Applicator. H. Schultheiss. 1,860,790; May 31.
Applicator and pad, Combined liquid. R. R. Hutcheson. Des. 86,804; Mar. 29.
Applicator, Fertilizer. G. R. Roe and W. M. Mertz. 1,862,238-9; June 7.
Applicator for metal fasteners. G. E. Purple. 1,854,998; Apr. 19.
Applicator, Thermal treatment. E. H. Odell. 1,863,533; June 14.
Applicator, Throat. W. E. Walsh. 1,858,694; May 17.
Applicator, Vaginal powder. E. C. Haas. 1,878,513; Sept. 20.
Applicators for collapsible reservoirs. J. F. Cobello. 1,890,599; Dec. 13.
Apron. F. Murrall. Des. 87,675; Aug. 30.
Apron. A. Quinn. 1,839,262; Jan. 5.
Apron, Bib. A. A. Wallmuth. 1,876,529; Sept. 6.
Apron, Body. J. J. Punke. 1,864,372; June 21.
Apron, Fender. J. H. Cohen. Des. 87,622-3; Aug. 23.
Apron for pipe wrapping machines, Wiping. K. H. Burton and H. Kramer. 1,880,770; Oct. 4.
Apron, Kitchen. S. Stern. 1,863,527; June 14.
Apron, Self-fitting. H. Kass. 1,888,629; Nov. 22.
Apron tension device. R. R. Samuels. 1,860,023; May 31.
Apron, Waterproof. C. F. Hartmann. 1,846,593; Feb. 23.
Aquaplane. H. Welsh. 1,853,159; Apr. 12.
Aquarium. G. R. Bossetta. 1,858,181; May 10.
Aquarium. J. J. Hutterbeck. Des. 86,914; May 10.
Aquarium. A. Sabath. 1,871,742; Aug. 16.
Aquarium. F. E. Taylor and J. M. Conway. 1,852,597; Apr. 5.
Aquarium. L. Venditti. 1,860,698; May 31.
Aqueous dispersion and making same. L. Kirschbraun. 1,859,517; May 24.
Aqueous dispersions and making same. L. Kirschbraun. 1,878,974; Sept. 20.
Aqueous dispersions and producing same. H. L. Levin. 1,881,729; Oct. 11.
Aqueous dispersions, Purifying. E. B. Newton. 1,862,061; June 7.
Aqueous solutions of hydroxy-ethyl-amino salts of 3-acetylamino-4-hydroxybenzenearsonic acid, Stable. K. Streitwolf, A. Fehrle, W. Herrmann, and P. Fritzsche. 1,869,683; Aug. 2.
Aralkylbenzanthrones and preparing them. G. Kränzlein and R. Sedlmayr. 1,867,459; July 12.
Arbor for ring splitting machines. F. Deutsch. 1,885,188; Nov. 1.
Arbor, Supporting. Y. A. Bouget and L. O. Reichelt. 1,861,962; June 7.
Arc box. D. Ellis. 1,869,552; Aug. 2.
Arc control, Magnetic. J. A. Wilson. 1,854,536; Apr. 19.
Arc discharge apparatus, Controlled. A. H. Hull. 1,874,753; Aug. 30.

Arc guide for metallic vapor rectifiers. A. Gaudenzi. 1,859,918 ; May 24.
Arc lamp. F. Alexander. 1,887,277 ; Nov. 8.
Arc quencher for circuit breakers. A. Corbett. 1,868,442 ; July 19.
Arc snuffer. E. Chapman. 1,884,572 ; Oct. 25.
Arc welding. T. E. Jerabek. 1,884,714 ; Oct. 25.
Arc welding. A. W. Priebe. 1,867,375 ; July 12.
Arc welding apparatus, Electric. H. J. Burnish. 1,846,470 ; Feb. 23.
Arc welding apparatus, Automatic. V. J. Chapman. 1,886,643 ; Nov. 8.
Arc welding Die. A. W. Priebe. 1,844,263 ; Feb. 9.
Arc welding mechanism. C. C. Peck. 1,840,601 ; Jan. 12.
Arc welding mechanism. C. C. Peck. 1,840,737 ; Jan. 12.
Arc welding, Method of and apparatus for. T. E. Jerabek and S. C. Osborne. 1,840,584 ; Jan. 12.
Arc welding, Method of and apparatus for. C. C. Peck and T. E. Jerabek. 1,840,600 ; Jan. 12.
Arc welding system. C. J. Holslag. 1,857,306 ; May 10.
Arch and beam manufacture and products. H. F. Frease. 1,843,318 ; Feb. 2.
Arch for furnaces, kilns and the like, Suspended flat. S. F. Burnet. 1,885,800 ; Nov. 1.
Arch support. W. V. Haisure. 1,852,660 ; Apr. 5.
Arch support. J. M. Doolittle. 1,859,818 ; May 24.
Arch support. D. D. and G. D. Doran. 1,848,518 ; Mar. 8.
Arch support. A. Marshall. 1,890,910 ; Dec. 13.
Arch support. F. A. Thomas. 1,850,122 ; Mar. 22.
Arch support and A. S. Workman. 1,848,984 ; Mar. 8.
Arch support and callous relieving pad. D. A. Reed. 1,860,595 ; May 31.
Arch support and protector therefor. W. M. Scholl. 1,858,524 ; May 17.
Arch support, Foot. F. J. Scholl. 1,849,734 ; Mar. 15.
Arcing tip for oil switches. J. N. Kelman. 1,867,848 ; July 19.
Architraves and the like upon faced concrete walls, Method of and apparatus for casting in position. E. H. Lockwood. 1,865,549 ; June 14.
Arcs, Magnetically controlling welded. L. Andren and R. Patterson. 1,851,479 ; Mar. 29.
Arcuate construction. H. T. Bull. 1,840,397 ; Jan. 12.
Argon and neon, Production of. E. C. Curtis. 1,892,186 ; Dec. 27.
Arithmetic, Drill mechanism for. L. R. De Lane. 1,842,150 ; Jan. 19.
Arm chair. W. A. Johnson. 1,874,539 ; Aug. 30.
Armchair. T. W. Lee. Des. 86,709–10 ; Apr. 12.
Armchair. L. H. Morin. 1,860,941 ; May 31.
Arm, Mechanical. S. Pilson. 1,885,138 ; Nov. 1.
Armrest. J. F. Doller. 1,873,190 ; Aug. 23.
Armrest, Adjustable auto. H. S. Genung. 1,892,048 ; Dec. 27.
Armrest attachment for vehicle seats. E. C. Urquhart. 1,890,196 ; Dec. 6.
Armrest for motor vehicles, Demountable. C. F. Jarvis. 1,873,414 ; Aug. 23.
Armature. V. G. Apple. 1,857,175 ; May 10.
Armature. V. G. Apple. 1,860,978 ; May 31.
Armature. V. G. Apple and F. W. Cotterman. 1,881,341 ; Oct. 4.
Armature and making it. V. G. Apple. 1,839,858 ; Jan. 5.
Armature coating machine. L. C. Goad. 1,856,757 ; May 3.
Armature for dynamo electric machines. V. G. Apple. 1,843,591 ; Feb. 2.
Armature, Making an. V. G. Apple. 1,853,161 ; Apr. 12.
Armature, Self-ventilating high speed. V. G. Apple. 1,875,203 ; Aug. 30.
Armature support for four pole loudspeakers. W. Kunze. 1,867,160 ; July 12.
Armature winding machine. R. J. Emmert. 1,865,461 ; July 5.
Armature winding machine. R. J. Emmert. 1,871,970 ; Aug. 16.
Armature winding machine, Automatic. H. H. Eaton. 1,890,111 ; Dec. 6.
Armlet. I. Steinberger. 1,886,753 ; Nov. 8.
Armor Cable. R. L. Peek, jr., E. and C. L. Hippensteel. 1,873,470 ; Aug. 23.
Aromatic compounds, Purification of crude. A. O. Jaeger. 1,847,178 ; Feb. 23.
Aron-chromium alloy article and making the same, Finished. H. S. George. 1,859,735 ; May 24.
Arrangement for preventing voltage increase with complete no-load operation of mercury vapor direct current rectifiers. E. Kern. 1,843,133 ; Feb. 2.
Arrangement for the onesided band modulation of high frequency vibrations. F. Trautwein. 1,868,339 ; July 19.
Arrow for archery. R. H. Cowdery. 1,842,540 ; Jan. 26.
Arsenic sulphide, Facilitating the separation of the precipitate of. C. Baron von Girsewald, W. Siecke. and E. Thieler. 1,891,294 ; Dec. 20.
Arsenic trichloride, Preparing. G. E. Miller and S. C. Witherspoon. 1,852,183 ; Apr. 5.
Arsenobenzene and preparing it. A. Albert 1,845,388 ; Feb. 16.
Arseno-benzene compound, Unsymmetrical. C. S. Palmer. 1,867,231 ; July 12.
Art corner. A. Woerner, jr. 1,863,430 ; June 14.

Ar-tetrahydronaphthols and their esters, Manufacturing. E. Korten. 1,858,627 ; May 17.
Article and assembling same, Enameled. O. H. Giles. 1,883,897 ; Oct. 25.
Article and making same, Composite. L. T. Frederick. 1,872,269 ; Aug. 16.
Article and making same, Composite molded. H. D. Geyer. 1,869,141 ; July 26.
Article and making same, Knitted. H. Bellak. 1,841,518 ; Jan. 19.
Article and making same, Knitted. C. W. Stout. 1,843,100 ; Jan. 26.
Article and making same, Metal impregnated fibre. M. M. Frost. 1,856,475 ; May 3.
Article and making same, Molded. L. Freuder. 1,842,544 ; Jan. 26.
Article and making same, Stamped metal. T. H. Wittliff. 1,878,055 ; Sept. 20.
Article and method for marking. C. C. Flinn. 1,847,390 ; Mar. 1.
Article and producing the same, Enameled. L. I. Shaw and A. G. Johnson. 1,852,759 ; Apr. 5.
Article-assembling and conveying machine. F. G. Purinton. 1,868,805 ; July 26.
Article, Culinary. A. B. Edwards, jr. 1,880,922 ; Oct. 4.
Article dispensing device. E. F. Adams. 1,887,389 ; Nov. 8.
Article, Edible. W. B. Jones. 1,854,145 ; Apr. 19.
Article ejector mechanism. P. Meyer. 1,871,381 ; Aug. 9.
Article exchange mechanism. R. N. Johnston. 1,864,913 ; June 28.
Article feeding mechanism. F. G. Henry. 1,839,920 ; Jan. 5.
Article feeding mechanism. E. L. Smith, P. Langhammer, and R. Bodolay. 1,844,806 ; Feb. 9.
Article for display. F. A. Biederman. 1,873,867 ; Aug. 23.
Article for introducing materials in a metallurgical bath. R. Turnbull. 1,869,925 ; Aug. 2.
Article for use in arc welding. T. E. Jerabek. 1,884,712 ; Oct. 25.
Article for use with library book charging system. J. J. Dickman. 1,862,530 ; June 14.
Article handling apparatus. A. Paulsen. 1,840,327 ; Jan. 12.
Article handling device. S. A. Ayres. 1,889,233 ; Nov. 29.
Article handling device. M. E. First. 1,843,599 ; Feb. 2.
Article handling device. A. S. Ross. 1,866,321 ; July 5.
Article handling machine. A. H. Hannon. 1,846,053 ; Feb. 23.
Article handling mechanism. J. L. Baber, jr. 1,865,074 ; June 28.
Article hanger. P. L. Knight. 1,887,159 ; Nov. 8.
Article inserting machine. D. A. Farrell and J. E. Johnson. 1,881,422 ; Oct. 11.
Article made of chromium. S. R. Mason. 1,842,037 ; Jan. 19.
Article made of wire and making the same. R. C. Pierce. 1,879,466 ; Sept. 27.
Article of furniture. W. C. H. Cushman. 1,890,456 ; Dec. 13.
Article of furniture, Adjustable. S. Schneider. 1,881,245 ; Oct. 4.
Article of furniture, Folding. W. R. Tingle. 1,871,634 ; Aug. 16.
Article of manufacture. G. M. Barrow. 1,872,557 ; Aug. 16.
Article of manufacture. W. R. Collings and D. L. Gibb. 1,867,071 ; July 12.
Article of manufacture. B. Heymann. 1,848,173 ; Mar. 8.
Article of manufacture and making it. L. Smede and E. B. Shand. 1,852,093 ; Apr. 5.
Article of manufacture and method of preparing a syrup carrying pectin in suspension. R. T. Northcutt. 1,847,356 ; Mar. 1.
Article of manufacture in a combined radio cabinet and sound amplifying device. D. L. Brooks. 1,891,616 ; Dec. 20.
Article of upholstery and making same. H. J. Burkart. 1,886,325 ; Nov. 1.
Article or garment, Knitted. T. H. Jones and R. K. Mills. 1,868,713 ; July 12.
Article, Packaged multi-sheet. R. C. Beatty. 1,874,857 ; Aug. 30.
Article, Packing machine. E. T. McKaig. 1,839,925 ; Jan. 5.
Article, Protected metal. J. H. Young and P. W. Jenkins. 1,864,971 ; June 28.
Article, Refractory. D. B. Sears. 1,843,175 ; Feb. 2.
Article spacer for packing boxes. E. C. Hadley. 1,868,856 ; May 17.
Article stacking mechanism. H. A. Morris. 1,881,844 ; Oct. 11.
Article, Supporting. A. J. Engel. 1,841,174 ; Jan. 12.
Article trimming and slicing machine. I. G. Sharpe. 1,871,091 ; Aug. 9.
Article with an unworkable alloy, Process and product for covering a metallic. W. J. Wrighton. 1,870,681 ; Aug. 2.
Articles and material therefor, Impregnating fibrous. M. O. Schur. 1,880,050 ; Sept. 27.

Articles and product thereof. Uniting. C. Dreyfus and G. Schneider. 1,871,670; Aug. 16.

Articles, Apparatus for cleaning. H. W. Jespersen. 1,840,102; Jan. 5.

Articles, Apparatus for covering. H. P. de Correvont. 1,856,694; May 3.

Articles, Apparatus for delivering. F. Parfett. 1,853,926; Apr. 12.

Articles, Apparatus for forming. J. S. Stull. 1,841,422; Jan. 12.

Articles, Apparatus for forming. J. S. Stull. 1,855,874; Apr. 26.

Articles, Apparatus for forming. J. S. Stull. 1,855,930; Apr. 26.

Articles, Apparatus for forming. J. S. Stull and J. W. King. 1,883,089; Oct. 18.

Articles, Apparatus for handling. E. J. Larsen. 1,881,706; Oct. 11.

Articles, Apparatus for handling treated. G. L. Cherry and L. F. Lamplough. 1,885,080; Oct. 25.

Articles, Apparatus for making laminated. W. C. and H. D. Stevens. 1,855,518; Oct. 4.

Articles, Apparatus for manufacturing thin rubber. F. L. Killian. 1,885,115; Nov. 1.

Articles, Apparatus for manufacturing tubular. W. C. State. 1,876,087; Sept. 6.

Articles, Apparatus for spraying annular. C. E. Maynard. 1,850,238; Mar. 22.

Articles, Apparatus for stacking and bunching. W. J. De Reamer. 1,848,004; Mar. 1.

Articles, Apparatus for the impregnation of hollow. H. J. Prins. 1,859,841; May 24.

Articles, Apparatus for wrapping. C. J. Downing. 1,851,188; May 10.

Articles, Apparatus used in the process of heat treating metallic. L. C. Zimmerman. 1,850,576; Mar. 22.

Articles, Automatic feed for arcuate. J. S. Lach. 1,846,645; Feb. 23.

Articles, Cleaning of. A. Fowler and K. J. R. Robertson. 1,869,845; Aug. 2.

Articles containing regenerated cellulose, Manufacture of fiber. G. A. Richter and M. O. Schur. 1,856,114; May 3.

Articles covered by cold process with a glaze-like coating, Producing. K. and C. Friedrich. 1,850,099; Mar. 22.

Articles, Drawing hollow. E. De Ridder and H. Altwicker. 1,867,507; July 12.

Articles for transportation, Apparatus for securing and bracing. A. L. Manning. 1,881,788; Oct. 11.

Articles, Forming molded. R. A. Brenecke. 1,871,492; Aug. 16.

Articles, Forming tubular. C. Carlsen. 1,879,078; Sept. 27.

Articles from a pile, Apparatus for removing. J. Neff. 1,862,386; June 7.

Articles from a slip or plastic mass, Molding. C. W. Speirs. 1,846,279; Feb. 23.

Articles from aqueous dispersion of rubber, Direct production of rubber. J. Pelsin, A. Szegvari, R. F. McKay, C. Hayes, and G. W. Trobridge. 1,878,151; Sept. 20.

Articles from cellulose compounds, Manufacturing. R. Weingand. 1,846,575; Feb. 23.

Articles from ceramic materials, Apparatus for pressing. M. Michel. 1,875,175; Aug. 30.

Articles from chutes, Apparatus for controlling the delivery of. F. C. Giles. 1,855,047; Apr. 19.

Articles from gases and vapors, Apparatus for removing suspended. R. R. Harmon. 1,880,017; Sept. 27.

Articles from granulable mixes, Forming. R. C. Benner, P. H. Walker, and W. G. Soley. 1,884,528; Oct. 25.

Articles from organic substances, Making. E. A. Murphy and A. Nixon. 1,849,240; Mar. 15.

Articles from solutions of film-forming cellulosic materials, Manufacturing hollow molded. R. O. Herzog and L. Benaryi. 1,876,229; Sept. 6.

Articles from stamping power presses, Apparatus for automatic expulsion of worked. D. Zazzara. 1,876,161; Sept. 6.

Articles from synthetic resins and other moldable materials, Apparatus for use in the manufacture of molded. M. M. Eaton. 1,846,999; Feb. 23.

Articles from their carrying trays, Mechanism for removing. R. A. Farnham. 1,858,732; May 17.

Articles from thermoplastic materials, Manufacture of. W. S. Smith, H. J. Garnett, and J. N. Dean. 1,862,947; June 14.

Articles in a uniform manner, Apparatus for automatically delivering. A. B. Lafferty. 1,857,815; May 10.

Articles in silica glass, Apparatus for the blowing and molding of. G. Delpech. 1,848,940; Mar. 8.

Articles in wrappers, Inclosing certain. M. Reymond. 1,869,584; Aug. 2.

Articles made of glass and metal, Manufacturing. J. Raus. 1,848,244; Mar. 8.

Articles made of magnesium or high percentage magnesium alloys, Treatment of. A. Beck and H. Dibelka. 1,876,131; Sept. 6.

Articles, Making. C. Dreyfus. 1,872,912; Aug. 23.

Articles, Making abrasive. E. D. Vance. 1,868,931; July 26.

Articles, Making ceramic. L. H. Bown. 1,849,272; Mar. 15.

Articles, Making coated. E. C. Loetscher. 1,863,799; June 21.

Articles, Making composite. B. Bronson. 1,865,230; June 28.

Articles, Making molded. M. Shank. 1,863,209; June 14.

Articles, Making tubular. J. Ledwinka. 1,880,095; Sept. 27.

Articles, Manufacture of impregnated. M. O. Schur. 1,864,674; June 28.

Articles, Manufacture of rubberized. J. McGavack. 1,839,983; Jan. 5.

Articles, Manufacture of swedged and tempered. F. J. Vichek. 1,866,827; July 12.

Articles, Manufacturing electrically welded tubular. W. F. Heineman. 1,872,287; Aug. 16.

Articles, Manufacturing porous refractory. I. Setterberg. 1,880,157; Sept. 27.

Articles, Method and apparatus for forming. H. G. Davis. 1,880,858; Oct. 4.

Articles, Method and apparatus for molding hollow pulp. E. Katz. 1,845,972; Feb. 16.

Articles, Method and apparatus for producing fibrous. R. S. Frobisher. 1,861,849; June 7.

Articles, Method and apparatus for testing hollow. B. S. Dague. 1,861,684; June 7.

Articles, Method and material employed in the manufacture of refractory. H. E. White. 1,856,893; May 3.

Articles, Method of and apparatus for coating. E. Pugh. 1,855,869; Apr. 26.

Articles, Method of and apparatus for constructing multiply. F. E. Ensley. 1,849,617; Mar. 15.

Articles, Method of and apparatus for forging upset. W. H. Spies. 1,856,440; May 3.

Articles, Method of and apparatus for gauging. A. G. Hall. 1,851,173; Mar. 29.

Articles, Method of and apparatus for shaping. B. A. Jeffery. 1,863,854; June 21.

Articles, Method of and apparatus for shipping. L. R. McGuire. 1,850,020; Mar. 22.

Article, Method of and machine for rolling annular metallic. C. C. Grotnes. 1,853,858; Apr. 12.

Articles, Method of and mechanism for tapping. J. F. Paton. 1,882,874; Oct. 18.

Articles of fibrous materials, Making. E. C. Loetscher. 1,867,575; July 19.

Article of glass, Method and apparatus for shaping. V. O. Cornwell, D. L. Middendorf, and A. Moeller. 1,849,823; Mar. 15.

Article of manufacture, Apparatus for upsetting. L. P. Drake. 1,870,987; Aug. 9.

Articles of manufacture, Making. J. C. Cromwell. 1,888,574; Nov. 22.

Articles of manufacture, Marking. C. W. Sigel. 1,847,574; Mar. 1.

Articles of rubber, Manufacture of hollow. E. A. Phillips. 1,857,972; May 10.

Articles, Process and apparatus for quenching heat treated. G. A. Johnson. 1,874,209; Aug. 30.

Articles of washing, Process and machine for uniformly distributing impregnating medium on. H. Denhof. 1,843,134; Feb. 2.

Articles or masses and grading the objects so tested, Apparatus for ascertaining the compressibility of. T. Cropper. 1,839,376; Jan. 5.

Articles or masses and grading the objects so tested, Apparatus for ascertaining the compressibility of. T. Cropper. 1,849,055; Mar. 15.

Articles, Press for manufacturing molded. L. S. Hubbert and C. J. Zube. 1,867,972; July 19.

Articles, Process and apparatus for striping. F. Leibold and L. R. Hilliard. 1,849,532; Mar. 15.

Articles produced in quantity, Apparatus for verifying. L. C. Blomstrom. 1,856,944; May 3.

Articles, Producing composite. H. L. Ward. 1,861,945; June 7.

Articles, Producing composite. L. E. Wood. 1,839,436; Jan. 5.

Article, Producing molded. M. P. Chaplin. 1,845,830; Feb. 16.

Articles, Production of molded. C. Cholerton. 1,875,294; Aug. 30.

Articles, Production of molded. T. A. Edison. 1,862,740; June 14.

Articles through a furnace, Apparatus for advancing. J. E. Bastie. 1,868,790; July 26.

Articles to grinding machines, Feeding. A. Vuilleumier. 1,846,661; Feb. 23.

Articles to rigid supports, Arrangement for securing elastic. P. A. Harsem. 1,858,326; May 17.

Articles to X-rays, Method of and apparatus for subjecting. F. S. Smith. 1,850,044; Mar. 18.

Articles, Welding composite. W. A. Wissler. 1,848,289; Mar. 8.

Articles with a galvanoplastic body, Joining preformed metallic. G. Rosenquist. 1,882,522; Oct. 11.

Articles with a metallic protective, Process and apparatus for coating ferric. J. Wilder. 1,862,249; June 7.

Articles with pyroxylin, Coating. W. C. Hampton. 1,851,509; Mar. 29.

Articles with pyroxylin or the like, Coating. W. C. Hampton and C. N. Garber. 1,822,574; Oct. 11.

Articulator, Anatomical. S. H. Halvorsen. 1,841,728; Jan. 19.

Artificial ankle joint. M. E. Rice. 1,872,815; Aug. 23.

Artificial board. C. A. Watson. 1,874,674; Aug. 30.
Artificial dentures. Rebasing. F. U. Bowers and A. T. Lockwood. 1,887,749; Nov. 15.
Artificial materials and preparing them, Hardened. A. Voss. 1,892,227; Dec. 27.
Artillery fire direction instrument. C. W. Hensey. 1,843,978; Feb. 9.
Artillery steel wheel. C. L. Eksergian and P. W. Gaenssle. 1,869,960; Aug. 2.
Artillery wheel. C. L. Eksergian. Des. 88,509; Dec. 6.
Artillery wheel. C. L. Eksergian and T. A. Davenport. Des. 88,510; Dec. 6.
Artistic effect. A. Quartin. 1,851,728; Mar. 29.
Arylamides of meta-hydroxy-diarylamine-carboxylic acids and making same. L. Laska and O. Haller. 1,882,286; Oct. 11.
Aryl- and aralkylamines, Preparation of secondary. E. C. Britton and H. R. Slagh. 1,882,759; Oct. 18.
Arylated safranines and preparing them. F. Hess. 1,886,809; Nov. 8.
Arylides of naphthalene dicarbonylic acids and making same. L. Laska and O. Haller. 1,857,555; May 10.
Arylides of 2-hydroxy-naphthoic acid, Preparation of. J. M. Tinker and L. Spiegler. 1,890,201; Dec. 6.
Arylides of 2,3-hydroxy-naphthalic acid, Purifying. J. M. Tinker and L. Spiegler. 1,890,202; Dec. 6.
Aryl ketones, Production of. A. O. Jaeger. 1,868,532; July 26.
Aryl-ortho-carboxyamido-mercaptans, Manufacturing. R. Herz and M. Schubert. 1,876,928; Sept. 13.
Arylsulphonyl derivatives of aromatic amines, Nitration of. D. Mosby, H. C. Olpin, and G. H. Ellis. 1,883,393; Oct. 18.
Asbestos-cement and the like in a plastic condition, Apparatus for simultaneously creasing and trimming sheets of. L. Scheerders-Van Kerchove. 1,868,645; July 26.
Asbestos-cement plates, Cold enameling. P. A. Hammenecker. 1,874,974; Aug. 30.
Asbestos-cement products and the like, Machine for the manufacture of. M. Catala and A. Huart. 1,876,399; Sept. 6.
Asbestos cement with insertion or insertions of iron wire netting, Manufacture of continuous sheets or corrugated plates of. H. Arentsen. 1,864,626; June 28.
Asbestos fibers and cement, Method and apparatus for mixing. A. B. Saunders. 1,850,308; Mar. 22.
Asbestos lagging. Wm. Sawyer. 1,875,890; Sept. 6.
Ash body, Dust proof. A. F. Masury. 1,842,794; Jan. 26.
Ash can. M. J Fessler and S. Fassman. 1,881,120; Oct. 4.
Ash carrier. E. T. Remy. 1,887,041; Nov. 8.
Ash collector for locomotives. W. Kelly, jr. 1,845,284; Feb. 16.
Ash disposal apparatus. C. S. Cody, B. A. Davis, and D. J. Mosshart. 1,883,578; Oct. 18.
Ash disposal apparatus. R. A. Foresman. 1,843,273; Feb. 2.
Ash disposal apparatus. R. A. Foresman. 1,861,081; May 31.
Ash hopper gate. L. G. Weygandt and P. K. Reed. 1,865,662; July 5.
Ash. Method of and apparatus for handling. F. B. Allen. 1,863,218; June 14.
Ash receiver. E. S. Frank. 1,856,990; May 3.
Ash receiver. E. Gibson, jr. 1,887,903; Nov. 15.
Ash receiver. B. H. Harris and E. F. Craft. 1,881,540; Oct. 4.
Ash receiver. R. F. Jones. Des. 87,880; Oct. 4.
Ash receiver. E. Schroedter. 1,879,858; Sept. 27.
Ash receiver. R. E. Shaulinger. Des. 86,544; Mar. 15.
Ash receiver. H. and C. Sickmann. 1,863,998; June 21.
Ash receiver. W. W. Stevenson, jr. 1,872,356; Aug. 16.
Ash receiver. H. A. Wieland. 1,888,251; Nov. 22.
Ash receiver and cigar lighter, Combined. J. H. Cohen. Des. 88,340; Nov. 22.
Ash receiver for motor vehicles. J. H. Cohen. 1,862,661; June 14.
Ash receiving device. J. H. Bradnack. 1,851,417; Mar. 29.
Ash removing apparatus for gas producers and the like. W. B. Chapman. 1,857,355; May 10.
Ash removing appliance for furnaces. A. J. Maloney. 1,887,768; Nov. 15.
Ash riddler. B. F. Englar. 1,858,006; May 10.
Ash tray. C. D. Ehrman. Des. 88,637; Dec. 13.
Ash tray. P. E. Kopikian. Des. 87,526; Aug. 9.
Ash tray and paper weight, Combination. W. W. Jolly. Des. 87,522; Aug. 9.
Ashtray and signal device, Combined. H. Storm. 1,886,452; Nov. 8.
Asparagus trimmer. T. Gill. 1,866,027; July 5.
Aspersorium. W. F. Hirschmann. 1,852,460; Apr. 5.
Asphalt emulsion and making the same. L. G. Thompson. 1,861,826; June 7.
Asphalt emulsion and manufacture thereof. L. A. Hall and E. E. Mortell. 1,883,834; Oct. 18.
Asphalt, Making. P. C. Keith, jr. 1,891,890; Dec. 20.
Asphalt, Making N. E. Loomis. 1,842,105; Jan. 19.
Asphalt, Manufacture of. A. Loebel. 1,881,753; Oct. 11.
Asphalt, Manufacture of. A. Loebel. 1,889,365; Nov. 29.
Asphalt mixer. C. Sifton. 1,880,287; Oct. 4.
Asphalt penetration pavement and constructing the same, Emulsified. C. L. McKesson. 1,884,795; Oct. 25.
Asphalt, Producing. H. B. Pullar. 1,889,697; Nov. 29.
Asphaltic composition, Apparatus for preparing. J. S. Downard. 1,884,618; Oct. 25.
Assembler star wheel. S. E. Sperry. 1,858,119; May 10.
Assembling apparatus. S. N. Johnson and C. E. Birch. 1,856,768; May 3.
Assembling apparatus. A. W. Phelps and N. L. Penn. 1,863,314; June 14.
Assembling apparatus. A. W. Phelps and C. J. Keller. 1,875,150; Aug. 23.
Assembling apparatus. E. H. Sorensen. 1,860,844; May 31.
Assembling device. E. W. Dolamore. 1,856,948; May 3.
Assembling device. F. J. Hall. 1,862,729; June 14.
Assembling machine. W. Engel. 1,854,371; Apr. 19.
Assembling machine. E. and L. Livingston. 1,883,307; Oct. 18.
Assembling mechanism for typographical line-casting machines. C. A. Albrecht. 1,860,880; May 31.
Assembling machine and jig. F. W. Doyle. 1,885,690; Nov. 1.
Assembly machine. G. D. Reynolds. 1,887,216; Nov. 8.
Assist grip. H. H. Rubin. Re18,635; Oct. 25.
Astronomic navigation and spherical trigonometry, Apparatus for solving problems in. M. R. Pierce. 1,841,912; Jan. 19.
Astronomical device. D. Phillips. 1,848,974; Mar. 8.
Astronomical star-dome. B. C. Metzner. Des. 88,727; Dec. 20.
Atmospheric control for heat treating furnaces. C. I. Hayes. 1,851,831; Mar. 29.
Atmospheric disturbance elimination. K. Kupfmuller and A. Jipp. 1,875,627; Aug. 30.
Atomizer. G. N. Blanchard. 1,848,601; Mar. 8.
Atomizer. W. B. Croan. 1,870,099; Aug. 2.
Atomizer. A. Kilstrom. 1,845,908; Feb. 16.
Atomizer. G. Kollstede. 1,859,973; May 24.
Atomizer. H. Meachem. 1,877,350; Sept. 13.
Atomizer. O. J. Mitchell. 1,873,459; Aug. 23.
Atomizer. F. Nazare. 1,875,821; Sept. 6.
Atomizer. H. Patou. 1,877,252; Sept. 13.
Atomizer. J. D. Rogers. 1,862,436; June 14.
Atomizer. A. F. Schilpf. 1,866,909; July 12.
Atomizer. H. R. Segal. 1,845,200; Feb. 16.
Atomizer. F. A. Vuillemenot. Des. 88,273; Nov. 8.
Atomizer. F. A. Vuillemenot. 1,887,383; Nov. 8.
Atomizer. E. C. Yost. 1 876,441; Sept. 6.
Atomizer. C. E. Ziegler. 1,854,726; Apr. 19.
Atomizer for internal combustion motors. O. J. G. Kähr. 1,843,562; Feb. 2.
Atomizer for oil motors, Fuel. O. J. G. Kähr. 1,846,493; Feb. 23.
Atomizer, Liquid. H. Kreidel. 1,863,601; June 21.
Atomizer, Liquid. J. T. Voorheis. 1,884,931; Oct. 25.
Atomizer, Pump. E. Hunter. 1,849,651; Mar. 15.
Atomizer, Self-cleaning. A. J. Loepsinger. 1,879,363; Sept. 27.
Atom support. A. F. Ruffin and A. L. Weckler. 1,857,609; May 10.
Atomizing apparatus. I. Hechenbleikner. 1,853,682; Apr. 12.
Atomizing attachment for airplane engine exhausts. J. L. Berney. 1,892,132; Dec. 27.
Atomizing cleaner, Bunch concentrating. P. Peterson. 1,858,805; Nov. 22.
Attaching device. B. S. Nelson. 1,850,725; Mar. 22.
Attaching device. O. G. Nelson. 1,889,738; Nov. 29.
Attaching device. C. S. Price. 1,848,142; Mar. 8.
Attaching device. H. Schwartzman. 1,867,330; July 12.
Attaching machine. P. E. Fenton and E. H. Tompkins. 1,859,895; May 27.
Attaching machine, Snap fastner. G. A. Holmes. 1,873,890; Aug. 23.
Attaching means. C. L. Masters. 1,848,962; Mar. 8.
Attaching members, Making. G. Johnson. 1,871,373; Aug. 9.
Attemperator for superheated steam. L. H. Cooper. 1,853,662; Apr. 12.
Attempering finely divided solid material. N. Ahlmann. 1,868,512; July 19.
Attenuation and volume control. R. C. Mathes. 1,844,423; Feb. 9.
Attenuator, Variable. H. R. Hunkins. 1,872,954; Aug. 23.
Attractor for game fish. E. G. Holtzclaw. 1,862,893; June 14.
Attrition mill. W. L. Keefer. 1,847,967; Mar. 1.
Audience seat, Adjustable. W. C. Urling. 1,849,052; Mar. 8.
Audio amplification system. E. E. Hiler. 1,876,675; Sept. 13.
Audio amplification system, Multistage. E. E. Hiler. 1,876,674; Sept. 13.
Audition, Method and apparatus for. W. B. Jones. 1,855,146; Apr. 19.
Auditing machine. M. M. Goldberg. 1,874,184; Aug. 30.
Auditorium. H. L. Cooke. 1,854,542; Apr. 19.
Auditory insert. M. B. A. Schier. 1,852,130; Apr. 5.
Auger bit. C. B. Robinson. 1,852,937; Apr. 5.
Auger, Drilling. F. Rutzle. 1,859,717; May 24.
Auger, Earth. A. W. Spaulding. 1,881,101; Oct. 4.
Auger, Ice. F. W. Brooks, sr. 1,857,585; May 10.

Auger or boring device. C. F. Hotchkiss, jr. 1,851,766; Mar. 29.
Auger, Soil. L. T. Sharp. 1,877,067; Sept. 13.
Augur, Power posthole. A. F. Weiss. 1,882,350; Oct. 11.
Auto combination lock. All-electric. M. Cutler. 1,852,711; Apr. 5.
Auto control system. A. H. Reiber. 1,839,263; Jan. 5.
Auto hatrack. M. J. Wyly. 1,855,908; Apr. 26.
Auto mechanic's accessory. E. Kehr. 1,890,686; Dec. 13.
Auto of six or more wheels. M. Brozincevic. 1,885,508; Nov. 1.
Autoparking and storage system. W. S. Rugg. 1,870,069; Aug. 2.
Auto pit. R. E. Manley. 1,844,584; Feb. 9.
Autopiane. E. W. Carroll. Des. 87,201; June 21.
Auto rack. C. A. Dawson. 1,853,261; Apr. 12.
Auto sander. F. L. Daily. 1,861,302; May 31.
Auto wheel jack. W. A. Karsoe. 1,846,971; Feb. 23.
Autoclave permitting the recovery of volatile products, Centrifugal. G. Grauss. 1,844,005; Feb. 16.
Autographic desk register. J. W. Sherman. 1,842,632; Jan. 26.
Autographic register. A. B. Cooke. 1,858,953; May 17.
Autographic register. A. B. Cooke. 1,871,212; Aug. 9.
Autographic register. A. B. Cooke. 1,875,550; Aug. 23.
Autographic register. J. W. Dunning. 1,841,096; Jan. 12.
Autographic register. W. E. Dunning. 1,874,939; Aug. 30.
Autographic register. L. Jensen. 1,846,731; Feb. 23.
Autographic register. L. Jensen. 1,875,593; Aug. 23.
Autographic register. F. E. Pfeiffer. 1,868,367; July 19.
Autographic register. F. E. Pfeiffer. 1,869,613; Aug. 2.
Autographic register. A. Roos. 1,840,976; Jan. 12.
Autographic register. J. Q. Sherman. 1,884,307; Oct. 25.
Autogun. W. C. Floyd. 1,866,202; July 5.
Automatic alarm. A. Koenig. 1,867,668; July 19.
Automatic brake. R. G. Le Tourneau. 1,875,046; Aug. 30.
Automatic brake. J. W. Sharpe. 1,870,146; Aug. 2.
Automatic burner. E. W. Krise. 1,874,312; Aug. 30.
Automatic centering reel. F. A. Littell. 1,885,613; Nov. 1.
Automatic check-hook. H. Spangenberg. 1,888,869; Nov. 22.
Automatic clamp. F. H. Kneeland. 1,861,745; June 7.
Automatic control switch. M. E. Henning. 1,891,537; Dec. 20.
Automatic crossing gate, Electrically operated. O. L. Vincent. 1,888,058; Nov. 15.
Automatic end point recorder. J. F. M. Taylor. 1,876,364; Sept. 6.
Automatic gate. O. L. Vincent. 1,888,057; Nov. 15.
Automatic key case. R. E. Singleton. 1,885,957; Nov. 1.
Automatic lock. W. P. Lowther. 1,867,919; July 19.
Automobile lunch table. E. M. Pendleton. 1,891,834; Dec. 20.
Automatic operator. R. B. Bryant. 1,852,692; Apr. 5.
Automatic regulator. M. H. Ackerman. 1,877,780; Sept. 20.
Automatic regulator. W. A. Heaney. 1,840,813; Jan. 12.
Automatic regulator. A. D. MacLean. 1,881,775; Oct. 11.
Automatic regulator. T. M. Wilkins. 1,881,007; Oct. 4.
Automatic return toggle switch. P. R. Forman. 1,885,246; Nov. 1.
Automatic signal. C. W. Stemen. 1,853,472; Apr. 12.
Automatic sprinkler. W., W. E., and B. Gerlach. 1,883,780; Oct. 18.
Automatic switch. E. W. Botts. 1,880,743; Oct. 4.
Automatic switch. H. Jackson. 1,892,511; Dec. 27.
Automatic switch. M. E. Johnson. 1,850,549; Mar. 22.
Automatic switch. E. Tees. 1,885,784; Nov. 1.
Automatic switch. H. L. Van Valkenburg. 1,886,608; Nov. 8.
Automatic switch. H. D. Yoder. 1,883,267; Oct. 18.
Automatic telephone switch. W. S. Strowger. 1,884,910; Oct. 25.
Automatic tool machine. E. W. Brinkman and E. S. Kline. 1,885,224; Nov. 1.
Automatic train pipe coupling. A. C. Harrell. 1,886,398; Nov. 8.
Automatic veneer table. S. C. Norman. 1,891,687; Dec. 20.
Automatic weighing machine. C. Nagel. 1,883,855; Oct. 18.
Automatically fed furnace. J. H. Taylor. 1,876,095; Sept. 6.
Automobile. D. E. Austin. Des. 87,502; Aug. 9.
Automobile. A. J. Baker. Des. 88,723; Dec. 20.
Automobile. McC. Barclay. Des. 87,774; Sept. 20.
Automobile. J. T. Batts. Des. 87,954; Oct. 18.
Automobile. R. S. Clapp. 1,868,093; July 19.
Automobile. J. De Lopatto Lockford. Des. 88,322; Feb. 23.
Automobile. O. Ernst. 1,840,026; Jan. 5.
Automobile. R. C. Hoffman. Des. 87,515–20; Aug. 9.
Automobile. J. P. Holt. 1,888,553; Nov. 22.
Automobile. J. K. Hughes. Des. 88,083; Oct. 25.
Automobile. B. G. Johnson. 1,853,058; Apr. 12.
Automobile. E. S. MacPherson. Des. 86,465; Mar. 8.
Automobile. F. J. Pike. Des. 86,742; Apr. 12.
Automobile. F. J. Pike. Des. 87,081; May 31.
Automobile. F. J. Pike. Des. 88,107; Oct. 25.
Automobile. O. W. Rodemich and D. C. Smith. 1,892,078; Dec. 27.
Automobile. G. Röhr. 1,841,849; Jan. 19.
Automobile. G. Röhr. 1,868,220; July 19.
Automobile. J. B. Ryan. Des. 88,827; Dec. 27.
Automobile. J. A. Smith. Des. 87,281; June 28.
Automobile. W. Wanderwell. Des. 87,494; Aug. 2.
Automobile. M. L. Wiener. Des. 87,989; Oct. 18.
Automobile anti-squeak weit. S. W. Jansen. 1,870,122; Aug. 2.
Automobile attachment. F. E. Adams. 1,866,444; July 5.
Automobile attachment. T. W. Mendenhall. 1,845,171; Feb. 16.
Automobile attachment. R. B. Muffett. 1,862,977; June 14.
Automobile attachment W. W. Nickels. 1,859,787; May 24.
Automobile auxiliary control structures. E. Kower and C. L. Cummings. 1,847,114; Mar. 1.
Automobile axle press. H. Wochner. 1,881,988; Oct. 11.
Automobile bodies, Built-up front member or section for. C. H. Widman. 1,850,010; Mar. 22.
Automobile body. A. Carlson. 1,842,539; Jan. 26.
Automobile body. M. Coadou. 1,868,382; July 19.
Automobile body. W. D. Collins. 1,841,240; Jan. 12.
Automobile body. E. G. Heuer. 1,869,423; Aug. 2.
Automobile body. S. D. Locke and H. J. Stegeman. 1,878,943; Sept. 20.
Automobile body. J. B. Marin. 1,889,679; Nov. 29.
Automobile body. A. I. McGloughlin. 1,857,061; May 3.
Automobile body, Closed. J. W. McAdam. Re18,360; Feb. 23.
Automobile body, Closed. J. W. McAdam. 1,849,430; Mar. 15.
Automobile body, Combination convertible passenger. D. F. McDonald. 1,866,898; July 12.
Automobile body construction. O. J. Groehn. 1,844,156; Feb. 9.
Automobile body, Pressed metal. J. Ledwinka. 1,845,053; Feb. 16.
Automobile brake. B. F. Boone. 1,883,757; Oct. 18.
Automobile brake. F. A. Gerling. 1,847,828; Mar. 1.
Automobile brake. Nishikawa. 1,881,288; Oct. 4.
Automobile brake. C. E. Piersall. 1,855,067; Apr. 19.
Automobile brake, Automatic. L. J. Adams. 1,843,966; Feb. 9.
Automobile brake, Automatic. F. Karsten and D. A. Runnion. 1,855,057; Apr. 19.
Automobile closure. C. E. Marine. 1,855,406; Apr. 26.
Automobile construction. C. R. Paton. 1,867,705; July 19.
Automobile construction. C. R. Paton. 1,867,752–3; July 19.
Automobile construction. C. W. Van Ranst. 1,876,110; Sept. 6.
Automobile construction. H. H. Woods. 1,871,871; Aug. 16.
Automobile construction for front wheel drive. C. R. Roche. 1,874,352; Aug. 30.
Automobile control. J. Good. 1,886,672; Nov. 8.
Automobile controller and switch. A. J. Weatherhead, jr. 1,891,548; Jan. 19.
Automobile coupé. W. H. Butler. Des. 87,046; May 31.
Automobile decking device. R. W. Stipes and W. M. Hoose. 1,890,918; Dec. 13.
Automobile device. B. D. Fogle. 1,887,405; Nov. 8.
Automobile direction signal. F. M. Bray. 1,879,057; Sept. 27.
Automobile emblem attachment. W. F. Price. 1,856,508; May 3.
Automobile floor and toe board and the like. W. S. Brennan. 1,884,415; Oct. 25.
Automobile frame. B. T. Andren. 1,846,464; Feb. 23.
Automobile frame. B. T. Andren. 1,872,386; Aug. 16.
Automobile frame. C. W. Van Ranst. 1,841,510; Jan. 19.
Automobile frame straightening machine. H. Wochner. 1,889,187; Nov. 29.
Automobile frame straightening machine. H. Wochner. 1,891,490; Dec. 20.
Automobile free wheeling device. F. Bodenhorn. 1,880,197; Mar. 29.
Automobile, Front drive. C. W. Van Ranst. 1,887,666; Nov. 15.
Automobile, Front driven. W. F. Krenzke. 1,876,249; Sept. 6.
Automobile, Front wheel drive. D. M. Ferguson and E. R. Maurer. 1,869,191; July 26.
Automobile, Front wheel driven. C. W. Van Ranst. 1,843,146; Feb. 2.
Automobile heater. G. E. Blake. 1,884,538; Oct. 25.
Automobile heater. L. Blackmer. 1,892,201; Dec. 27.
Automobile heater. O. S. Cæsar. 1,859,429; May 24.
Automobile heater. H. W. Fink. 1,866,846; July 12.
Automobile heater. E. G. Mihalisk. 1,870,374; Aug. 9.
Automobile heater. A. T. O'Connor. 1,890,745; Dec. 13.
Automobile heater. F. W. Scharf. 1,863,882; June 21.
Automobile heater. J. J. Sunday. 1,858,028; May 10.
Automobile heater. E. L. Surfer. 1,853,585; Apr. 12.
Automobile heater. G. W. Veale. 1,882,346; Oct. 11.
Automobile heating apparatus. C. W. Rundlett. 1,850,493; Oct. 4.
Automobile hood lock. J. E. Bailey. 1,863,461; June 14.

Automobile jack. C. H. Johnson and A. E. Miller. 1,872,959 ; Aug. 23.
Automobile jack. J. A. La Garde. 1,887,689 ; Nov. 15.
Automobile lift. J. W. Bright. 1,867,055 ; July 12.
Automobile lift. C. J. Bristol. 1,846,299 ; Feb. 23.
Automobile lift. E. E. Hollister. 1,841,182 ; Jan. 12.
Automobile lift. L. C. Stukenborg. 1,889,185 ; Nov. 29.
Automobile light. E. A. seaberg. 1,881,329 ; Oct. 4.
Automobile lock. W. L. Hawkins. 1,881,552 ; Oct. 11.
Automobile lock. O. S. Hershey. 1,867,528–31 ; July 19.
Automobile lock. O. S. Hershey. 1,881,571 ; Oct. 11.
Automobile lock. F. A. Smith. 1,883,026 ; Oct. 18.
Automobile lock. H. T. Thomas. 1,840,000 ; Jan. 5.
Automobile lock. H. D. Wething. 1,846,777 ; Feb. 23.
Automobile or aeroplane fuel tank breather. R. E. Wilson. 1,841,691 ; Jan. 19.
Automobile or vehicle greasing jack. J. A. Schoenberg. 1,877,364 ; Sept. 13.
Automobile parking apparatus. W. J. Aitken. 1,885,213 ; Nov. 1.
Automobile passing light. W. A. Rush. 1,884,265 ; Oct. 25.
Automobile pedal selector. B. H. Mossinghoff. 1,847,096 ; Mar. 1.
Automobile rack. P. T. Bynum. 1,858,355 ; May 17.
Automobile radiator and front, Combined. G. M. Buehrig. Des. 88,753 ; Dec. 27.
Automobile radiator shell with louver type grille. L. B. Green. Des. 88,726 ; Dec. 27.
Automobile rim, Demountable two piece. J. A. Westbrook. 1,880,613 ; Oct. 4.
Automobile screen. L. Miller. 1,862,605 ; June 14.
Automobile seat. S. I. Ganoung and C. R. Young. 1,846,548 ; Feb. 23.
Automobile servicing apparatus. R. J. Talbot. 1,849,387 ; Mar. 15.
Automobile servicing lift. P. J. Lunati 1,842,900 ; Jan. 19.
Automobile servicing lift. P. J. Lunati. 1,870,128 ; Aug. 2.
Automobile signal. J. A. Bell. 1,882,740 ; Oct. 18.
Automobile signal. C. J. Chevre. 1,858,818 ; May 17.
Automobile signal. A. H. Ellis. 1,844,948 ; Feb. 16.
Automobile signal. R. E. Fleck. 1,861,306 ; May 31.
Automobile signal. J. M. Mallette. 1,885,274 ; Nov. 1.
Automobile signal. P. J. McManaman. 1,865,777 ; July 5.
Automobile signal. O. Yarnell. 1,866,185 ; July 5.
Automobile signaling device. C. C. Carstens. 1,889,744 ; Dec. 6.
Automobile signaling device. A. W. Reynolds. 1,873,033 ; Aug. 23.
Automobile skid preventing device. L. W. Brueggeman. 1,842,506 ; Jan. 26.
Automobile starting device. S. N. Jordan. 1,868,208 ; July 19.
Automobile storage device. J. F. Creedon. 1,882,656 ; Oct. 18.
Automobile storage elevator. C. F. Goddard. 1,870,046 ; Aug. 2.
Automobile tail and stoplight. G. B. Wright. 1,869,294 ; July 26.
Automobile, Three wheel pleasure. W. H. Butler. Des. 87,045 ; May 31.
Automobile tie-down. S. D. Butterworth. 1,889,733 ; Nov. 29.
Automobile top construction. P. Ostruk. 1,847,781 ; Mar. 1.
Automobile trailer. T. C. Bischoff, G. W. Chubb, and A. Rettig. 1,880,703 ; Oct. 4.
Automobile transmission. W. W. Beall. 1,861,376 ; May 31.
Automobile transmission. H. B. Philips. 1,864,613 ; June 28.
Automobile ventilator. E. B. Boyle. 1,861,286 ; May 31.
Automobile ventilator. H. M. Bradbury. 1,847,861 ; Mar. 1.
Automobile wheel. A. B. Couture. Re18,578. Aug. 23.
Automobile wheel. O. A. Parker. 1,880,357 ; Oct. 4.
Automobile wheel, Demountable. R. A. Stabler. 1,864,261 ; June 21.
Automobile wind wing. C. J. W. Soderberg. 1,864,868 ; June 28.
Automobiles and like vehicles, Antivibration device for. G. W. Bell. 1,841,001 ; Jan. 12.
Automobiles, Apparatus and method for handling and storing. F. F. Finkelberg. Re18,495 ; June 14.
Automobiles, Apparatus for cooling and ventilating. C. W. Williams. 1,842,137 ; Jan. 19.
Automobiles, Apparatus for transporting. C. Wells. 1,863,785 ; May 31.
Automobiles, Controller attachment for. A. J. Weatherhead, jr. 1,839,908 ; Jan. 5.
Automobiles, Method and apparatus for transporting. C. Wells. 1,864,781 ; June 28.
Automobiles, Protection plate for. O. C. Ritz Woller. 1,859,634 ; May 24.
Automobiles, Rear vision device for. W. Z. Fromer. 1,841,176 ; Jan. 12.
Automobiles, Recording device for. G. F. Fischer. 1,851,245 ; Mar. 29.
Automobiles, Shipping. J. McMullen. 1,846,889 ; Feb. 23.
Automobiles, Shipping. J. McMullen. 1,856,106 ; May 3.
Automobiles, System for storing. R. N. Riblet. 1,851,262 ; Mar. 29.
Automobiles, Variable pace setter for. F. H. Evans. 1,866,760 ; July 12.
Automotive demountable wheel. R. L. Olsen. 1,873,464 ; Aug. 23.
Automotive heater. B. Kirsch. 1,849,934 ; Mar. 15.
Automotive part. R. J. Norton. 1,843,620 ; Feb. 2.
Automotive wheel. N. Areson. 1,839,942 ; Jan. 5.
Auxiliary wheel. J. B. Rodgers. 1,886,977 ; Nov. 8.
Averaging appliance. H. M. Davis. 1,844,564 ; Feb. 9.
Aviation engine. A. E. Chevrolet. 1,883,558 ; Oct. 18.
Aviation motor. C. R. Roche. 1,882,448 ; Oct. 11.
Aviation training apparatus. O. L. Woodson and H. S. Mjhres. 1,856,309 ; May 3.
Avocado picker. E. J. Statom. 1,852,940 ; Apr. 5.
Awning. F. M. Christian. 1,865,083 ; June 28.
Awning. C. P. Fogh. 1,842,995 ; Jan. 26.
Awning. L. Kasan. 1,882,425 ; Oct. 11.
Awning. W. Kreier. 1,867,082 ; July 12.
Awning. A. T. McCanlis. 1,881,366 ; Oct. 4.
Awning. H. E. Pollard. 1,890,406 ; Dec. 6.
Awning. R. N. Watkins. Des. 88,835 ; Dec. 27.
Awning and shutter, Combined. C. F. Miller and S. W. Brundage. 1,844,170 ; Feb. 9.
Awning and shutter, Combined. C. F. Miller and S. W. Brundage. 1,848,253 ; Mar. 8.
Awning and shutter, Convertible. C. F. Miller and S. W. Brundage. 1,885,462 ; Nov. 1.
Awning and ventilator, Combination window. G. E. Parker. 1,862,967 ; June 14.
Awning arm adjuster. H. C. Heiser. 1,842,402 ; Jan. 26.
Awning arm construction. H. C. Heiser. 1,856,161 ; May 3.
Awning arm, Tensioned. J. O. Ackerman. 1,886,512 ; Nov. 8.
Awning Collapsible. A. W. Howell. 1,865,106 ; June 28.
Awning fixture. F. J. Arndt. 1,858,912 ; May 17.
Awning fixture. F. J. Arndt. 1,860,881 ; May 31.
Awning front pole clamp, Lateral arm. F. A. Anton. 1,855,376 ; Apr. 26.
Awning rod elbow. W. C. Astrup. Des. 86,005 ; Jan. 19.
Awning roller. F. A. Anton. 1,849,262 ; Mar. 15.
Awning sheet. P. L. Goulie. Des. 87,210 ; June 21.
Awning, Window. F. A. Anton. 1,847,459 ; Mar. 1.
Awning, Window. F. A. Anton and E. F. Bell. 1,854,499 ; Apr. 19.
Awnings and the like, Attachment for auto raising and lowering. J. Starr. 1,885,777 ; Nov. 1.
Awnings and the like, Attachment for raising and lowering. J. Starr. 1,885,778 ; Nov. 1.
Ax, pick, and like hand tools. W. W. Wright. 1,863,821 ; June 21.
Axes of crystal quartz, Method and apparatus for determining the direction of the electric. L. H. Dawson. 1,866,554 ; July 5.
Axle. H. Ford. 1,876,903 ; Sept. 13.
Axle and brake, Motor car. O. Zancan. 1,858,257 ; May 17.
Axle and crank pin and constructing the same, Locomotive. C. J. Scudder. 1,891,505 ; Dec. 20.
Axle assembly for motor trucks, Rear. J. V. Bretaud. 1,856,461 ; May 3.
Axle assembly, Rear. S. G. Baits. 1,880,655 ; Oct. 4.
Axle attachment, Third. G. E. Porter. 1,855,868 ; Apr. 26.
Axle bearing block or casing for railway vehicles, Two-part. W. Pyvingtua. 1,858,215 ; June 14.
Axle bending apparatus. L. K. Titus. 1,845,532 ; Feb. 16.
Axle burnishing machine. G. Powell. 1,862,516 ; June 7.
Axle cap for plow wheels. C. G. Strandlund. 1,855,459 ; Apr. 26.
Axle for motor vehicles, Combination driving and steering. G. Ghiselli. 1,850,921 ; Mar. 22.
Axle gauge. T. W. West. 1,883,137 ; Oct. 18.
Axle gearing, Two-speed. W. S. Austin. 1,874,153 ; Aug. 30.
Axle housings, Making. T. E. Murray, jr. 1,887,494 ; Nov. 15.
Axle housings, Making. F. H. Ragan. 1,888,835 ; Nov. 22.
Axle, Making a front. E. C. Mogford and G. Spatta. 1,873,453 ; Aug. 23.
Axle, Overspeed rear. C. H. Sterling. 1,843,071 ; Jan. 26.
Axle spring suspension, Three. R. G. Anderson. 1,841,077 ; Jan. 12.
Axle, Tubular. W. J. Assel. 1,875,797 ; Sept. 6.
Axle, Tubular. B. H. Urschel. 1,872,196 ; Aug. 16.
Axle, Tubular front. G. H. Hufferd and M. P. Graham. 1,841,735 ; Jan. 19.
Axle, Two speed. H. T. Thomas and B. B. Neuteboom. 1,876,791 ; Sept. 13.
Axle, two speed drive. J. Bethune. 1,876,388 ; Sept. 6.
Axle, Apparatus for bending. C. C. Bennett. 1,878,665 ; Sept. 20.
Axles, Heat treating. B. H. Urschel. 1,857,895 ; May 10.
Axles, Motor vehicle. W. W. Hooper. 1,888,129 ; Nov. 15.
Azo arylides of 2.3 hydroxy-naphthoic acid and azo dyestuffs derived therefrom. E. F. Grether. 1,877,303 ; Sept. 13.
Azo derivatives and making them, Compound of heterocyclic. M. Dohrn and P. Diedrich. 1,862,361 ; June 7.
Azo-dyes, Manufacture of. W. Lange. 1,859,706 ; May 24.
Azo-dyestuffs. G. Bonbôte. 1,892,480 ; Dec. 27.
Azodyestuffs, Acid wool. H. Clingenstein, P. Zervas, and H. Schweitzer. 1,840,385 ; Jan. 12.

Azo-dyestuffs and making same. G. Bonbóte. 1,867,439; July 12.
Azo-dyestuffs and making same. G. Bonbóte. 1,871,946–8; Aug. 16.
Azo-dyestuffs and making same. F. Felix. 1,848,772; Mar. 8.
Azodyestuffs and making same. M. Schmid and F. Straub. 1,847,022; Feb. 23.
Azo-dyestuffs and making same. F. Straub and W. Anderau. 1,874,743; Sept. 13.
Azo-dyestuffs and making same, Metalliferous. F. Straub and H. Mayer. 1,877,615; Sept. 13.
Azodyestuffs and making same, Water insoluble. L. Laska and A. Zitscher. 1,858,628; May 17.
Azo-dyestuffs containing chromium and making same. F. Straub, H. Mayer, and W. Anderau. 1,856,796; May 3.
Azo-dyestuffs containing chromium and making same. F. Straub, W. Anderau, and H. Mayer. 1,888,516; Nov. 22.
Azodyestuffs containing copper. W. Hentrich and J. Hilger. 1,861,917; June 7.
Azo-dyestuffs containing metal and making same. F. Straub and W. Anderau. 1,871,477; Aug. 16.
Azodyestuffs insoluble in water and making same. A. Zitscher and R. Schmitt. 1,846,073–4; Feb. 23.
Azodyestuffs, Manufacture of strongly basic. A. Conzetti. 1,887,289; Nov. 8.
Azo-dyestuffs, Manufacture of strongly basic. A. Conzetti. 1,887,995–6; Nov. 15.
Azodyestuffs, Manufacture of strongly basic. A. Conzetti. Christ, and A. Petzold. 1,878,243; Sept. 20.
Azodyestuffs, Manufacturing. L. Laska, A. Zitscher, W. 1,875,221; Aug. 30.
Azodyestuffs, New. M. Hardtmann. 1,879,223; Sept. 27.
Azodyestuffs, New water insoluble. L. Laska and A. Zitscher. 1,861,924; June 7.
Azodyestuffs, Valuable acid wool. H. Clingestein and P. Zervas. 1,844,031; Feb. 9.
Azodyestuffs, Water insoluble. L. Laska and A. Zitscher. 1,858,629; May 17.
B-hydroxy-derivatives of alkyl-pyridines and preparing them. O. Wulf. 1,880,645; Oct. 4.
Babbitting machine. W. J. Flegel and W. S. Enderich. 1,846,482; Feb. 23.
Babbitting machine. H. H. Rawson. 1,854,718; Apr. 19.
Baby buggy. E. L. Upper. 1,847,992; Mar. 1.
Baby chair. J. V. Moran. 1,859,150; May 17.
Baby jumper. J. Kersten. Des. 87,006; May 24.
Baby sanitary toilet seat. A. Sandquist. 1,886,595; Nov. 8.
Back, Adjustable reclining. L. Larsen. 1,844,130; Feb. 9.
Back for book. L. W. Weakley. 1,840,005; Jan. 5.
Back comb. M. Finkelstein. 1,843,813; Feb. 2.
Back digging shovel. M. L. Fyrse. 1,852,156; Apr. 5.
Back fire preventer. W. H. Van Horn. 1,872,868; Aug. 16.
Back for a picture frame. H. L. Budd. 1,857,937; May 10.
Backgrounds, Device for projecting. R. Geyling and P. Planer. 1,881,355; Oct. 4.
Back head construction for rock drills. G. M. Nell. 1,868,670; July 26.
Back pack. E. H. Nichols. 1,882,086; Oct. 11.
Back rest. T. McCauley. 1,865,030; June 28.
Back rest. J. S. and O. W. Ponten. 1,842,424; Jan. 26.
Back-rest for beds. O. H. Kieseler. 1,888,509; Nov. 22.
Back rest for grinding machines, Hydraulic. A. P. Steiner and H. E. Balsiger. 1,867,112; July 12.
Backstop for motor driven vehicles, Safety. J. H. Johnston. 1,846,259; Feb. 23.
Back-stop, Full automatic. J. M. Gray. 1,839,308; Jan. 5.
Back-up light. F. W. Johns. 1,876,952; Sept. 13.
Backing for plastic material. F. W. Harney. 1,856,633; May 3.
Backing of photographic materials to prevent halation. H. Dürr and W. Schneider. 1,845,404; Feb. 16.
Bacon. W. F. Schroup. 1,861,101; June 21.
Bacon treating. T. O'Brien. 1,852,257; Apr. 5.
Bacon treating method. H. H. McKee. 1,870,583; Aug. 9.
Bacterial product. E. M. Crook. 1,870,790; Dec. 20.
Bactericide and stabilizing it, Stabilized. M. S. Kharasch. 1,862,896; June 14.
Bactericide applicable to acid-fast bacteria. R. Adams. 1,873,732; Aug. 23.
Bactericide surfaces, Production of. K. Kohn and T. Gruschka. 1,864,078; June 21.
Badge. J. Bott. 1,849,904; Mar. 15.
Badge. J. Bott. 1,867,964; July 19.
Badge. D. C. Crain. Des. 87,338; Mar. 1.
Badge. D. C. Crain. Des. 88,335; Nov. 15.
Badge, Bicentennial. E. N. Holland. Des. 86,522; Mar. 15.
Badge for Spanish war veterans. W. A. Gardner. Des. 87,962; Oct. 18.
Baffle. L. L. Langvand. 1,854,340; Apr. 19.
Baffle. W. F. Richards. 1,871,738; Aug. 16.
Baffle and drip pan for refrigerators. J. W. Vance. 1,855,432; Apr. 26.
Baffle arrangement. C. W. Gordon. 1,883,707; Oct. 18.
Baffle arrangement. A. Huet. 1,889,861; Dec. 6.
Baffle construction, Heat exchanger. E. H. Nelson. 1,848,741; Mar. 8.
Baffle device for discharge funnels. W. W. Reuther. 1,845,847; Feb. 16.
Baffle for steam and water drums. E. E. Noble. 1,878,172; Sept. 20.
Baffle for steam drums. H. J. Kerr. 1,875,015; Aug. 30.
Baffle plate arrangement and design for concrete mixers. H. D. Paris. 1,890,002; Dec. 6.
Baffle wall. J. E. Muhlfeld. 1,857,320; May 10.
Baffle, Water tube fire-box. A. B. Blome. 1,852,284; Apr. 5.
Baffling device. W. J. O'Riley. 1,842,625; Jan. 26.
Baffling means for locomotive fire-boxes. H. B. Oatley. 1,881,225; Oct. 4.
Bag: &c—
Carrying bag.
Clothing bag.
Coffee urn bag.
Composite bag.
Foil tined bag.
Fruit picker's bag.
Garment bag.
Golf bag.
Golf and like bag.
Hand bag.
Heating bag.
Ice bag.
Laundry bag.
Money bag.
Pack bag.
Paper bag.
Shoe bag.
Shopping bag.
Traveling bag.
Utility bag.
Valving and sewing bag.
Window bag.
Bag. J. E. Cornell. 1,870,672; Aug. 9.
Bag. H. B. Layman. 1,858,153; May 10.
Bag. H. J. Le Vesconte. 1,842,874; Jan. 26.
Bag. H. J. Le Vesconte. 1,860,190; May 24.
Bag. H. Morris. 1,841,971; Jan. 19.
Bag. E. Weisshuhn. 1,853,105; Apr. 12.
Bag, air pillow, and air float or buoy, Combination bathing suit. G. E. Haines. 1,864,648; June 28.
Bag and attached label. E. W. Cerf. 1,855,473; Apr. 26.
Bag and closure therefor. H. J. Le Vesconte. 1,860,339; May 24.
Bag and forming the same, Multiplex. S. M. Pinkerton, jr. 1,880,277; Oct. 4.
Bag and making the same, Paper valve. J. C. Redington. 1,852,026; Apr. 5.
Bag and making the same, Siftproof. E. Freydberg. 1,857,049; May 10.
Bag and manufacture of the same. I. Gurwick. 1,848,709; Mar. 8.
Bag closing and fastening machine. W. A. Joplin. 1,886,552; Nov. 8.
Bag closing machine, Filled. F. Lutz. 1,884,025; Oct. 25.
Bag consisting of two layers of paper. Van Hülst. 1,871,827; Aug. 16.
Bag construction. W. D. Kennedy. 1,861,864; June 7.
Bag filling apparatus. T. Huston. 1,859,562; May 24.
Bag filling machine. N. E. Dorrington and W. R. Peterson. 1,880,895; Oct. 4.
Bag filling machine. H. S. Johns. 1,851,910; Mar. 29.
Bag filling machine. K. Middelboe. 1,851,017; Mar. 29.
Bag filling machine. F. J. Stephens. 1,872,017; Aug. 16.
Bag for cotton picking machines or the like. J. R. Millar. 1,862,384; June 7.
Bag for marbles or the like, Compartment. B. Pink. 1,873,640; Aug. 16.
Bag for vacuum cleaners, Double dust. O. W. Schrader. 1,842,294; Jan. 19.
Bag frame. W. C. Hlering. 1,872,950; Aug. 23.
Bag frame. B. A. Otten. 1,866,483; July 5.
Bag frame, Collapsible. W. C. Hlering. 1,859,773; May 24.
Bag, Hand. S. Maksik. Des. 88,380; Nov. 22.
Bag house. W. E. Newnam. 1,886,215; Nov. 1.
Bag lock. C. Baum. 1,849,606; Mar. 15.
Bag lock. C. Baum. 1,883,481; Oct. 18.
Bag lock. Lift rod hand. I. Peyser and R. Richter. 1,852,061; Apr. 5.
Bag making. I. Gurwick. 1,877,456; Sept. 13.
Bag making machine. A. Potdevin. 1,860,748; May 31.
Bag making machine. A. Potdevin. 1,873,634; Aug. 23.
Bag making machine. H. G. Henares. 1,888,949; Nov. 22.
Bag making machinery. H. E. Hallman. 1,887,680; Nov. 15.
Bag or similar container. J. L. Lopez. Des. 87,640; Aug. 23.
Bag or similar container. H. Starnes. Des. 86,285; Feb. 16.
Bag or similar container. C. P. Thompson. Des. 87,450; July 26.
Bag or the like, Wool. B. W. Drake. 1,874,934; Aug. 30.
Bag, pocketbook, and similar article of luggage, Hand. E. H. Allen. 1,863,150; June 14.
Bag stacking apparatus. P. Hunziker. 1,887,023; Nov. 8.
Bagasse, Treating. W. L. S. Williams. 1,847,050; Feb. 23.
Baggage and the like, Attachment for. V. Puc. 1,875,493; Sept. 6.
Baggage carrier. G. H. Wheary. Re18,670; Nov. 29.
Baggage carrier. G. H. Wheary. 1,845,822; Feb. 16.
Baggage carrier. G. H. Wheary. 1,870,305; Aug. 9.
Bagging machines, String winding device for. P. Rohrig. 1,857,661; May 10.
Bags and envelopes, Method of and apparatus for the manufacture of flat. A. Winkler and M. Dünnebier. 1,884,468; Oct. 25.
Bags and Producing the same, Lining. F. T. Robinson. 1,889,572; Nov. 29.
Bags, Attachment for golf. W. J. Doughty. 1,882,785; Oct. 18.

Bags, Cleaning vacuum cleaner. A. W. Sutherland. 1,864,622; June 28.
Bags for golf clubs. Attachment for. G. N. Pedersen. 1,849,803; Mar. 15.
Bags, Mechanism for opening and filling. G. I. Hohl. 1,892,148; Dec. 27.
Bags, Method and apparatus for bottoming. A. E. Currier. 1,860,386; May 31.
Bags, Method and apparatus for filling. K. E. E. Holzapfel. 1,861,443; June 7.
Bags, Method and machine for closing. I. W. Lutchfield. 1,842,680; Jan. 26.
Bags, Opening. L. E. Ward. 1,863,775; June 21.
Bags or the like, Mechanism for securing. H. W. Morris. 1,875,753; Sept. 6.
Bags, Process and machine for making. G. W. Poppe. 1,851,060; Mar. 29.
Bags, Treating used burlap. G. I. Goldwyn. 1,854,546; Apr. 19.
Bail ear and method therefor. W. B. Smith. 1,891,209; Dec. 13.
Bail ear soldering machine. J. A. Gray and J. C. Strickler. 1,849,219; Feb. 23.
Bail ears to containers, Applying. H. Sebell. 1,842,571; Jan. 26.
Bail ears to sheet metal, Method of and tool for applying. H. Sebell. 1,865,144; June 28.
Bailer. L. F. Kime and F. F. Uhl. 1,845,799; Feb. 16.
Bailer. G. W. Miller. 1,862,628; June 14.
Bailer, Vacuum sand. A. H. Fletcher. 1,843,217; Feb. 2.
Bailing like clamp. W. R. Lewis and H. J. Weaver. 1,867,084; July 12.
Bait. F. F. Schwanbeck and F. P. Sumner. 1,845,890; Feb. 16.
Bait and manufacturing same, Wooden. C. T. Pflueger. 1,871,387; Aug. 9.
Bait, Artificial. J. E. Brown. 1,870,767; Aug. 9.
Bait, Artificial. W. H. Clark. 1,873,289; Aug. 23.
Bait, Artificial. H. F. Drake. 1,870,559; Aug. 9.
Bait, Artificial. C. L. Grove. 1,873,577; Aug. 23.
Bait, Artificial. E. L. Jacobs. 1,874,102; Aug. 30.
Bait, Artificial. H. Mays and S. H. Kirkland. Des. 87,488; June 7.
Bait, Artificial. G. E. Nelson. Re18,359; Feb. 23.
Bait, Artificial. G. Page. 1,849,434; Mar. 15.
Bait, Artificial. E. H. Peckinpaugh. 1,876,342; Sept. 6.
Bait, Artificial. U. C. Pemberton and J. B. Johnson. 1,859,581; May 24.
Bait, Artificial. U. C. Pemberton and J. B. Johnson. 1,859,713; May 24.
Bait, Artificial. C. P. Schilpp. 1,862,036; June 7.
Bait, Artificial. J. T. Welch. 1,882,463; Oct. 11.
Bait, Artificial fish. M. S. Dunkelberger. 1,842,591; Jan. 26.
Bait, Artificial fish. A. V. McKenzie. 1,881,823; Oct. 11.
Bait, Artificial fish. H. C. Toepper. 1,888,641; Nov. 22.
Bait, Cripple swim. D. V. Cummins. 1,876,275; Sept. 6.
Bait, Fish. M. S. Dunkelberger. Des. 87,050; May 31.
Bait, Fishing. J. J. Willinger. 1,870,273; Aug. 9.
Bait, June bug. W. H. Gruenhagen. 1,854,027; Apr. 12.
Bait, Mechanical fish. J. T. Hannon and A. Beauregard. 1,842,751; Jan. 26.
Bait or lure, Artificial. F. W. Farley. 1,848,704; Mar. 8.
Bait or lure, Surface riding. U. C. Pemberton. 1,846,355; Feb. 23.
Bait or similar article, Artificial. H. M. Weber. Des. 87,373; July 12.
Bait with offset, Spoon. W. H. Gruenhagen. 1,854,028; Apr. 12.
Baker's bench. J. Gray. 1,880,386; Oct. 4.
Bakers' material, Apparatus for expressing. O. Kremmling. 1,851,945; Mar. 29.
Bakers' material, Process and apparatus for expressing. O. Kremmling. 1,870,227; Sept. 27.
Baking composition and mode of preparing. F. W. Thiele. 1,843,051; Jan. 26.
Baking and dough-making, Process relating to. E. Rabinowitsch. 1,892,076; Dec. 27.
Baking machine, Pastry cone. O. Hauge. 1,847,340; Mar. 1.
Baking pan. L. H. Debs. 1,840,310; Jan. 12.
Baking pan. L. Green. 1,852,966; Apr. 5.
Baking pan. A. S. Rezanki. 1,863,263; Mar. 22.
Balance. F. Neumann. 1,870,344; Aug. 9.
Balance, Automatic. G. Raasche. 1,859,059; May 17.
Balance indicator for airplanes. C. J. H. Gerdes. 1,892,182; June 7.
Balance, Precision quick. O. Schmidt. 1,845,523; Feb. 16.
Balance, Torsion. H. Haalck. 1,868,010; July 19.
Balance weight. W. O. Snelling. 1,878,009; Sept. 20.
Balance with a conveying and a packing mechanism, Automatic. P. Steinel. 1,861,147; May 31.
Balanced joint. R. E. Chapman. 1,888,026; Nov. 15.
Balances, Apparatus for determining. J. Lundgren. 1,881,205; Oct. 4.
Balancing apparatus. R. K. Lee. 1,867,413; July 12.
Balancing apparatus for aircraft. H. G. Schneider. 1,881,137; Oct. 4.
Balancing device. C. O. Marshall. 1,871,899; Aug. 16.
Balancing head. E. L. Thearle and A. B. Hubbard. 1,876,527; Sept. 6.
Balancing machine. W. R. Griswold. 1,878,129; Sept. 20.
Balancing machine. G. T. Johnson. 1,855,397; Apr. 26.
Balancing machine. R. E. Johnson. 1,873,416; Aug. 23.
Balancing machine. H. M. Stephenson. 1,876,523; Sept. 6.
Balancing machine, Dynamic. E. L. Thearle. 1,876,524; Sept. 6.
Balancing machine, Dynamic. E. L. Thearle and A. B. Hubbard. 1,876,526; Sept. 6.
Balcony, Sleeping. M. R. Jay. 1,869,104; July 26.
Bale tying mechanism. R. Z. Nolan. 1,889,372; Nov. 29.
Baler and loader, Hay. M. Goggins. 1,857,373; May 10.
Baler, Hay. H. Felk. 1,859,272; May 17.
Baler, Hay. J. C. McClurkin and A. Stallard. 1,850,284; Mar. 22.
Baling press. A. C. Barrows and G. W. Langford. 1,843,756; Feb. 2.
Baling press. A. J. Kruse. 1,858,742; May 17.
Baling press. A. Myer. 1,850,134; Mar. 22.
Baling press, Hydraulic. R. E. Boeckert. 1,861,468; June 7.
Baling press. W. E. Wunderlich. 1,887,226; Nov. 8.
Ball: See—
Golf ball. Inflatable ball.
Illuminated ball. Punching ball.
Ball. W. Bartky. 1,890,566; Dec. 13.
Ball. J. H. Grady. 1,861,157; May 31.
Ball. E. H. Hawes. Des. 88,289; Nov. 15.
Ball and making same, Inflatable. F. Egerer. 1,853,515; Apr. 12.
Ball and projector therefor. H. C. Pearson. 1,862,904; June 14.
Ball and socket joint. F. E. Payne. 1,855,558; Apr. 26.
Ball and socket joint. A. B. Shultz. 1,883,020; Oct. 18.
Ball and socket joint. W. Todd. 1,866,512; July 5.
Ball and socket joint. W. Todd. 1,866,520; July 5.
Ball and the like, Tennis. A. E. Penfold. 1,865,481; July 5.
Ball bearing wheel, Pressed steel. A. R. Pribil. 1,848,144; Mar. 8.
Ball cock control and silencer. C. M. Vick. 1,839,282; Jan. 5.
Ball covering process. J. O. Goodwin. 1,883,704; Oct. 18.
Ball for fence posts, poles, etc. A. J. Rose. 1,851,404; Mar. 29.
Ball forming machine. A. C. Munro. 1,890,693; Dec. 13.
Ball joint. G. H. Hufferd and M. P. Graham. 1,881,601; Oct. 11.
Ball laced openings, Game. W. A. Sonnett. 1,857,482; May 10.
Ball mill. J. J. Deschamps. 1,859,499; May 24.
Ball mill. E. L. Punnett. 1,879,479; Sept. 27.
Ball mill. A. F. Wendler. 1,862,557; June 14.
Ball practicing device. T. M. Cole. 1,862,044; June 7.
Ball races or the like, Loading. S. S. Cramer. 1,853,665; Apr. 12.
Ball rack. J. H. Stahl. 1,888,247; Nov. 22.
Ball release, Game. B. Sando and T. E. George. 1,864,945; June 28.
Ballast cutting shoe for railway tracks. W. W. Ward. 1,865,807; July 5.
Ballast liner. N. Bridges and T. T. Moore. 1,864,183; June 21.
Ballast resistance. J. J. Mucher. 1,840,168; Jan. 5.
Ballast spreader. E. M. Livingston. 1,854,799; Apr. 19.
Balloon, Decorative. C. A. Frost. 1,858,991; May 17.
Ballooning of the web in flyer spinning and like frames, Means for preventing. H. A. Boyd. 1,879,054; Sept. 27.
Balometer. C. W. Kiesel. 1,884,728; Oct. 25.
Band anchoring means for tank cars. C. C. Meadows. 1,868,841; July 26.
Band and shoe brake, Combination. T. P. Chase and W. S. Lee. 1,846,024; Feb. 23.
Band, Bread. O. B. Andrews. 1,840,425; Jan. 12.
Band, chain, or linkage, Flexible. C. H. Kesterman. 1,860,186; May 24.
Band coupler. A. R. Hutton. 1,839,761; Jan. 5.
Band, Flexible. F. Doppenschmitt. 1,849,741; Mar. 15.
Band for birds, Identifying. H. J. Divekey. 1,890,280; Dec. 6.
Band for a fountain pen or the like. R. Back. Des. 86,433; Mar. 8.
Band for garments. J. F. Hargreaves. 1,873,583; Aug. 23.
Band for wearing apparel, Elastic metal. E. S. Mix. 1,851,106; Mar. 29.
Band or linkage, Metal. C. H. Kestenman. 1,882,666; Oct. 25.
Band or the like tensioning and fastening devices, Hoop-iron. E. Hoffmann. 1,876,499; Sept. 6.
Band pass receiver, Convertible. A. Meissner. 1,872,318; Aug. 16.
Band, Poultry. J. Haas. 1,862,747; June 14.
Band receiving system. F. K. Vreeland. 1,850,973; Mar. 22.
Band-saw meat cutter construction. C. G. Biro. 1,884,517; June 28.
Bandage. A. H. Straus. 1,882,677; Oct. 18.
Bandage, Elastic woven. E. Klein. 1,875,740; Sept. 6.
Bandage, Surgical. C. Blank. 1,852,040; Apr. 5.
Bandeau. C. Lipper. 1,879,362; Sept. 27.
Bands for hats and apparatus therefor, Fitting sweat. R. K. Reynolds. 1,862,161; June 7.

Banjo. A. E. Hunter. 1,849,091 ; Mar. 15.
Banjo. D. L. Day. 1,887,291 ; Nov. 8.
Banjo. J. Providenti. 1,858,171 ; May 10.
Bank against robbery, Protecting a. S. Werner. 1,847,320 ; Mar. 1.
Bank, Coin. A. J. Kusel. 1,865,864 ; July 5.
Bank, Coin. D. H. Zell. 1,863,148 ; June 14.
Bank grille closure. F. H. Scantlebury. 1,846,762 ; Feb. 23.
Bank protection device. J. C. and M. A. Taylor. 1,859,638 ; May 24.
Bank protective apparatus. A. Young and S. Gerencser. 1,863,689 ; June 21.
Bank protective method and apparatus. R. B. Reynolds. 1,890,589 ; Dec. 13.
Bank protective system and means. P. R. Drury. 1,891,872 ; Dec. 20.
Bank, Registering coin. L. V. Aronson. 1,886,779 ; Nov. 8.
Bank, Savings. E. A. Anderson. 1,875,691 ; Sept. 6.
Bank, Savings. N. D. Howard. 1,879,260 ; Sept. 27.
Bank, Savings. A. C. Grunwald. 1,886,181 ; Nov. 1.
Bank, Savings. A. W. Smith. 1,884,314 ; Oct. 25.
Banking control, Automatic. H. T. Avery. 1,889,273 ; Nov. 29.
Bar ; See—
Cabinet bar.
Corner and division bar.
Coupling bar.
Cutter bar.
Dope bar.
Drawing bar.
Expanding bar.
Gauge bar.
Grate bar.
Grizzly bar.
Needle bar.
Neutralizer bar.
Pen pressure bar.
Portable bar.
Rail joint bar.
Service ribbon bar.
Slice bar.
Splice bar.
Tight center bar.
Tow bar.
Bar and drop wire. Warp stop motion contact. O. V. Payne. 1,875,019 ; Aug. 23.
Bar and means of securement, Decorating. H. A. Shaw. 1,855,492 ; Apr. 26.
Bar and pen point, Feed. S. M. Sager. 1,885,862 ; Nov. 1.
Bar bending machine. W. S. Brown. 1,841,784 ; Jan. 19.
Bar centering shaft. W. A. Drake. 1,850,868 ; Mar. 22.
Bar for ophthalmic mountings, Center. H. L. Lasher. Des. 88,158 ; Nov. 1.
Bar for rail joints, Splice. D. P. Wolbaupter. 1,892,025 ; Dec. 27.
Bar for veneer machines, Pressure. G. H. Osgood. 1,845,515 ; Feb. 16.
Bar material for ophthalmic mountings. S. E. Bouchard. Des. 86,597 ; Sept. 27.
Bar material for ophthalmic mountings. W. S. Searles. Des. 86,643–4 ; Mar. 29.
Bar material for ophthalmic mountings. J. A. Sweeney. Des. 86,649 ; Mar. 29.
Bar operating device, Tilting. T. S. Fowler and L. T. Ward. 1,845,870 ; Feb. 16.
Bar pointing machine. A. E. Voss. 1,842,704 ; Jan. 26.
Bar and radio cabinet, Combined folding. E. G. and M. J. Schloss. Des. 86,829 ; Dec. 27.
Bar screen. E. R. Schofield and R. Kramaroff. 1,874,126 ; Aug. 30.
Bar, Service ribbon. C. H. Jabelonsky. 1,852,165 ; Apr. 5.
Bar slide for woven wire fabrics. H. L. Eastman. 1,849,035 ; Mar. 8.
Bar support and spacer. W. T. Bauman. 1,841,699 ; Jan. 19.
Bar support and spacer. L. F. Emigholz. 1,841,720 ; Jan. 19.
Bar support and spacer. L. Lampert. 1,841,743 ; Jan. 19.
Bar support and spacer. L. Lampert. 1,850,400–1 ; Mar. 22.
Bars and fence posts, Making metal. C. B. Murton. 1,872,789 ; Aug. 23.
Bars, Apparatus for annealing. R. B. Hancock. 1,882,141 ; Oct. 11.
Bars, Apparatus for cleaning iron. M. Sesko. 1,885,772 ; Nov. 1.
Bars, Apparatus for cutting metal. F. R. Hall. 1,850,010 ; Mar. 15.
Bars, Apparatus for making stuffed. H. L. Birum, sr., and H. L. Birum, jr. 1,889,913 ; Dec. 6.
Bars, Making forged compromise. W. Bender. 1,857,582 ; May 10.
Bars, Shearing continuous. G. Langford. 1,858,401 ; May 17.
Barb, Bumper. J. G. Antosh, jr. 1,845,013 ; Feb. 16.
Barber chair. L. A. Carter. 1,856,691 ; May 3.
Barber chair. W. F. Koken. 1,843,564 ; Feb. 2.
Barberry, Thornless. W. G. Sutherland. Pl. Pt. 40 ; Nov. 8.
Barber's chair. W. F. Koken and L. A. Carter. 1,852,811 ; Apr. 5.
Barber's chair. A. R. Schwarzkopf. 1,867,600 ; July 19.
Barber's comb. H. McBride. 1,841,751 ; Jan. 19.
Barber's comb. J. Cazes and C. Claps. 1,891,308 ; Dec. 20.
Barium aluminate. Production of. H. W. Heiser. 1,871,086 ; Aug. 9.
Barium compounds. Manufacture of S. Wittouck. 1,869,454 ; Aug. 2.
Barium oxygen compounds, Production of. S. Wittouck. 1,861,892 ; June 7.
Bark from logs, Device for removing. J. M. Council. 1,873,697 ; Aug. 23.
Bark peeling machine. F. Baumbach. 1,854,920 ; Apr. 19.
Bark peeling machine. W. L. Mingledorff. 1,847,971 ; Mar. 1.
Bark removing machine. De L. Calahan. 1,851,156 ; Mar. 29.
Barking machine. A. T. Tidblad. 1,887,908 ; Nov. 15.
Barometer and temperature correcting means and constant volume governor. R. G. Standerwick. 1,879,575 ; Sept. 27.
Barometer, Table. H. Jacob. Des. 88,298 ; Nov. 15.
Barrel and apparatus for and forming the same. A. B. Houtz. 1,861,343 ; May 31.
Barrel and manufacture thereof, Wirebound. E. Craig. 1,839,466 ; Jan. 5.
Barrel carrying device. S. C. Jensen. 1,855,678 ; Apr. 26.
Barrel carrying device. S. C. Jensen. 1,867,265 ; July 12.
Barrel, Cement. J. Q. Little. 1,854,518 ; Apr. 19.
Barrel, Collapsible. R. J. Bell. 1,852,281 ; Apr. 5.
Barrel, Core. A. J. Cormier. 1,849,345 ; Mar. 15.
Barrel dumping device. E. V. Francis. 1,854,130 ; Apr. 12.
Barrel head setting machine. P. D. Johnson. 1,850,882 ; Mar. 22.
Barrel lifter. B. E. Persinger. 1,841,253 ; Jan. 12.
Barrel making machine and method. A. R. Walton. 1,853,102 ; Apr. 12.
Barrel manipulating device. C. Doering. 1,842,391 ; Jan. 26.
Barrel or the like and making it, Fountain pen. J. N. Whitehouse. 1,867,242 ; July 12.
Barrel, Removable head. C. T. Draper. 1,857,443 ; May 10.
Barrel, Sand blast. F. J. Hull. 1,883,918 ; Oct. 25.
Barrel steamer and drier. F. C. Williams. 1,839,628 ; Jan. 5.
Barrel, tumbling. C. J. Bristow. 1,853,297 ; Apr. 12.
Barrels and like articles, Mechanism for use in coating. K. D. Snow. 1,851,430 ; Aug. 9.
Barrels, Appliance and method for heading. G. L. Warnecke. 1,846,773 ; Feb. 23.
Barrels, Means for emptying. J. G. Fischer. 1,888,032 ; Nov. 15.
Barrels or containers, Nesting. M. H. Matthews. 1,863,122 ; June 14.
Barrette. J. Kahn. 1,864,199 ; June 21.
Barriers for canals, Salt water. W. M. Meacham. 1,886,965 ; Nov. 8.
Barrier, Vehicle. L. J. White. 1,884,447 ; Oct. 25.
Barriers in porous media, Developing impermeable. L. Ranney and L. C. Uren. 1,870,869 ; Aug. 9.
Baryta material for use as a sugar precipitant, Producing soluble. G. P. Meade and R. N. Traxler. 1,884,796 ; Oct. 25.
Base and receptacle for toy typewriters or the like, Combined. S. A. Thompson. 1,867,426 ; July 12.
Base and standard for a display stand, Combined. H. L. Kratz. Des. 86,490 ; Mar. 29.
Base and standard for stool, Combined. A. K. Barr. Des. 86,189 ; Feb. 16.
Base and support for moving picture machines, Adjustable. A. Kindelmann and E. Boecking. 1,884,732 ; Oct. 25.
Baseball. G. Senn. 1,873,221 ; Aug. 23.
Baseball game. A. N. Albera. 1,881,384 ; Oct. 4.
Baseball game. E. K. Smith. 1,850,778 ; Mar. 22.
Baseball game device. F. C. Rojahn. 1,843,632 ; Feb. 2.
Base closure for vertical gas retorts and gas chambers. K. Beuthner. 1,843,798 ; Feb. 2.
Base denture, making the metal bases, and forms therefor, Metal. K. J. Simmeth. 1,840,982 ; Jan. 12.
Base exchange material and preparing same. A. S. Behrman. 1,869,087 ; July 26.
Base-exchanging compounds, Manufacture and production of. T. P. Hilditch and H. J. Wheaton. 1,879,239 ; Sept. 27.
Base for a display stand. T. A. Miller. Des. 87,351 ; July 12.
Base for a telephone instrument. W. J. Paff. Des. 87,591 ; Aug. 16.
Base for candle lamps. N. C. H. Muench. Des. 87,974 ; Oct. 18.
Base for electric discharge devices. D. A. Mullaney. 1,847,886 ; Mar. 1.
Base for food mixer supports. E. R. Mross. 1,884,120 ; Oct. 25.
Base for hanging lamps. N. C. H. Muench. Des. 87,936 ; Oct. 11.
Base for incandescent lamps and similar devices. E. Hurwitz. 1,859,092 ; May 17.
Base for openings in yieldable material. E. Eger. 1,851,758 ; Mar. 29.
Base for plastic material, Reenforcing. G. E. Land. 1,872,985 ; Aug. 23.
Base for plastic materials. G. E. Land. 1,853,363 ; Apr. 12.
Base for telephones and the like, Rubber. E. Oakley. 1,890,000 ; Dec. 6.
Base for thread packages. J. R. Mitchell. 1,862,284 ; June 7.
Base for wall paper. L. N. Weber. 1,885,310 ; Nov. 1.
Base, Pole. E. W. Riemenschneider. 1,884,247 ; Oct. 25.
Base, Pole supporting. W. R. Rutherford. 1,874,359 ; Aug. 30.

Base, Solid ankle foot. C. H. Davies. 1,884,588; Oct. 25.
Bases for use in the manufacture of greases. A. Horwitz. 1,881,591; Oct. 11.
Basin for fluid separators, Drip. J. P. Walker. 1,850,430; Mar. 22.
Basin, Hillside catch. W. J. Latimer, H. A. Stahl, and G. J. Maldonado. 1,865,222; June 28.
Basin, Rubber. T. A. Patterson. 1,842,192; Jan. 19.
Basin, Sanitary. C. H. Windsor. 1,881,010; Oct. 4.
Basin, Wash. F. G. Schindwski. 1,848,385; Mar. 8.
Basin, Water cooler drip. E. T. Williams. 1,844,709; Feb. 9.
Basket. M. Balsamo. 1,875,694; Sept. 6.
Basket. W. E. P. Bates. 1,885,104; Nov. 1.
Basket and construction thereof. A. F. Durand. 1,890,534; Dec. 13.
Basket and support, Baby. E. G. Hoch and J. A. Levering. 1,881,579; Oct. 11.
Basket ball bank board suspension. W. Wallace. 1,848,467; Mar. 8.
Basket carrier, Clothes. R. L. McBeth. 1,864,922; June 28.
Basket collar, Fruit. H. Leslie. 1,874,317; Aug. 30.
Basket, Display. F. E. Everson. 1,891,876; Dec. 20.
Basket, Drying. N. Stramaglia. 1,887,439; Nov. 8.
Basket filling device, Produce. F. Ehrenhardt. 1,865,361; June 28.
Basket, Folding fish. A. D. F. McLean. 1,869,071; July 26.
Basket for multiple impression typewriters, Feeding and receiving. P. P. Bourquin. 1,841,932; Jan. 19.
Basket for washing machines, Extractor. J. C. Nelson. 1,887,778; Nov. 15.
Basket handle. C. J. Dudley. 1,855,825; Apr. 26.
Basket handle. R. H. Huston. 1,889,561; Nov. 29.
Basket handle machine. L. M. Hile. 1,885,599; Nov. 1.
Basket liner. F. A. Read, jr. 1,879,950; Sept. 27.
Basket liner. J. W. Trew. 1,847,578; Mar. 1.
Basket making machine. B. T. Calvay. 1,848,897; Mar. 8.
Basket, Pickling. T. J. Black and G. E. Young. 1,883,501; Oct. 18.
Basket, Shipping. C. O. Strombeck. 1,840,373; Jan. 12.
Basket, Shipping. A. Virag. 1,880,610; Oct. 4.
Basket, Tobacco. J. B. Felts and J. E. Edgin. 1,839,210; Jan. 5.
Basket, Ventilated. O. M. James. 1,887,057; Nov. 8.
Basket, Wire gymnasium. J. Ondrasik, jr. 1,849,505; Mar. 15.
Bast fibers, especially bast fibers of linen, hemp and the like, Retting. E. Corte. 1,883,846; Oct. 18.
Bast fibers from vegetable stalks, Production of. E. Gminder. 1,846,859; Feb. 23.
Bat, ventilating. F. W. Harney. 1,890,906; Dec. 13.
Batch freezer mechanism. A. H. Bolleau. 1,880,731; Oct. 4.
Batch meter. S. Shafer, jr., and C. F. Ball. 1,865,592; July 5.
Batch weighing and mixing machine. H. Koch. 1,849,984; Mar. 15.
Batcher. R. R. McBride. 1,878,874; Sept. 20.
Bath: *See*—
Animal bath. Chromium stripping bath.
Bird cage bath. Shower bath.
Bath apparatus. J. S. Belt. 1,860,009; May 24.
Bath apparatus. B. R. Hooker. 1,844,038; Feb. 9.
Bath attachment, Shower. A. Claypoole. 1,866,009; July 5.
Bath, basin, and receptacle fitting. A. H. Fleck. 1,859,697; May 24.
Bath construction, Shower. P. W. Kerr and A. E. Jones. 1,873,424; Aug. 23.
Bath construction, Shower. M. J. Tracy. 1,860,968; May 31.
Bath for making threads or the like from viscose, Precipitating. A. Klinkert. 1,868,077; July 26.
Bath for metal pickling processes. G. L. Magoun. 1,868,214; July 19.
Bath head, Shower. L. Bloch. 1,863,548; June 14.
Bath mat. A. F. Edmands. 1,865,459; July 5.
Bath mat, Nonslip. J. E. Grosjean. 1,861,389; May 31.
Bathing caps and the like, Making. W. W. De Laney. 1,855,894; Apr. 12.
Bathing device. A. E. Steinkamp. 1,844,988; Feb. 16.
Bathing implement. R. E. Welsh. 1,863,778; June 21.
Bathing patients, Means for. M. Henschen. 1,892,274; Dec. 27.
Bathroom accessory. H. Ashfield. 1,876,828; Sept. 13.
Bathroom fixture. E. A. Pope. Des. 87,757–8; Sept. 13.
Bathroom, In-door. D. F. Cook. 1,859,459; May 24.
Baths containing magnesium sulphate, Maintaining the composition of viscose precipitating. J. J. Stockly and K. Bartunek. 1,863,172; June 14.
Baths of the textile art, the refining bath, and the process of refining textile material, Improving the efficiency of refining. H. Bertsch. 1,890,492; Dec. 13.
Bathtub. J. C. Cromwell. 1,849,346; Mar. 15.
Bathtub. J. C. Cromwell. 1,870,836; Aug. 9.
Bathtub. G. Sakler. Des. 86,935–6; May 10.
Bathtub. R. Trane. Des. 86,185; Feb. 9.
Bathtub and basin, Combined. J. E. Druckenmiller. Des. 86,829; Apr. 26.
Bathtub and dressing table, Folding combination. E. W. Anderegg. 1,889,340; Nov. 29.

Bathtub equipment, Portable. E. J. Haring. 1,881,405; Oct. 4.
Bathtub, Infant's collapsible. A. G. Feldman. 1,883,660; Oct. 18.
Bathtub, Infant's folding. B. Bleustein. 1,870,488; Aug. 9.
Baton. D. M. Wright. 1,863,079; June 14.
Batteries, Apparatus for charging storage. R. M. Gilson. 1,885,908; Nov. 1.
Batteries, Apparatus for charging storage. W. N. Spangler. 1,865,595; July 5.
Batteries, Controlling the charge of storage. F. G. Beetem. Reis. 16,516; July 12.
Batteries, Manufacturing positive active material for the alkaline storage. E. Otsuka and E. Saegusa. 1,884,166; Oct. 25.
Batteries, Testing storage. W. K. Patterson. 1,877,041; Sept. 13.
Battery: *See*—
Dry battery. Storage battery.
Dry cell battery. Vacuum thermo-electric battery.
Electric battery.
Primary battery.
Battery. W. G. Ikin. 1,887,811; Nov. 15.
Battery. W. B. Schulte and J. S. Zook. 1,858,026; May 10.
Battery and generator testing apparatus for motor vehicles. J. C. Schaf, jr. 1,879,530; Sept. 27.
Battery and making the same, Dry. G. W. Heise. 1,842,871; Jan. 26.
Battery box. H. W. Jones. 1,879,623; Sept. 27.
Battery box. L. J. Voorhees. 1,879,595; Sept. 27.
Battery cable terminal. M. Clar. 1,844,638; Feb. 9.
Battery carrier terminal assembly. J. E. Furtney. 1,881,461; Oct. 11.
Battery cell. C. J. Dunzweiler and H. W. Lormor. 1,860,663; May 31.
Battery cell hoist. I. E. Coffey. 1,856,621; Mar 3.
Battery cell puller, Portable. O. Mykleby. 1,853,448; Apr. 12.
Battery charging apparatus. W. W. Halsey. 1,842,781; Jan. 26.
Battery charging apparatus. K. T. Williamson and O. I. Seaverson. 1,861,516; June 7.
Battery charging means. A. L. Atherton. 1,876,548; Sept. 13.
Battery charging system. C. W. Bell. 1,883,492; Oct. 18.
Battery charging system. R. T. Cheeseman. 1,852,790; Apr. 5.
Battery charging system. L. Lippard. 1,876,985; Sept. 13.
Battery charging system, Automatic. F. T. Bowditch. 1,846,246; Feb. 23.
Battery clamp. F. T. Hughes. 1,841,371; Jan. 19.
Battery connecter. A. H. Morris. 1,847,972; Mar. 1.
Battery connecter. J. Plachy. 1,847,021; Feb. 23.
Battery connecter and making same, Storage. M. Matsen. 1,873,931; Aug. 23.
Battery construction, Storage. D. E. Rudert. 1,862,319; June 7.
Battery electrode elements, Apparatus for use in the production of storage. P. D. Payne and M. Iversen. 1,866,172; July 5.
Battery element supports, Holding means for. M. L. Martus, E. H. Becker and J. G. Ross. 1,840,119; Jan. 5.
Battery filler, Automatic. J. D. Sartakoff. 1,842,292; Jan. 19.
Battery handle, Collapsible. W. P. Roche. 1,867,632; July 19.
Battery handling device. H. W. Lormor. 1,846,526; Feb. 23.
Battery hold-down. C. J. Dunzweiler. 1,867,735; July 19.
Battery hold-down. H. G. Thompson. 1,868,032; July 19.
Battery holder for mine lamps. J. Piovarchy. 1,879,469; Sept. 27.
Battery ignition device. E. Klaiber. 1,883,951; Oct. 25.
Battery jumper. H. Sebell. 1,854,489; Apr. 19.
Battery, Operating a coke oven. J. Becker. 1,865,162; June 28.
Battery overcharge indicator. H. J. Kubiak. 1,868,328; July 19.
Battery plate filling machine. W. F. Price and R. H. Beck. 1,882,300; Oct. 11.
Battery plate pasting machine. C. M. McCord. 1,855,918; Apr. 26.
Battery plate, Storage. H. Neale. 1,839,989; Jan. 5.
Battery plates, Forming. D. Pepper. 1,860,051; May 24.
Battery plates, Making storage. J. H. Calbeck. 1,859,581; May 24.
Battery plates, Manufacturing storage. T. Shiomi and S. Higuchi. 1,883,014; Oct. 18.
Battery plates, Pasting. C. M. Angell. 1,884,502; Oct. 25.
Battery post. J. S. Taylor. 1,869,524; Aug. 2.
Battery post clamp, Storage. H. C. McCleary. 1,855,683; Apr. 26.
Battery post extension. C. F. Binder. 1,854,328; Apr. 19.
Battery recorder. T. S. Cole. 1,845,483; Feb. 16.
Battery refilling device. S. L. Van Meter, jr. 1,848,035; Mar. 1.
Battery replacement box. H. A. Wiley. 1,886,071; Nov. 1.

Battery separators, Manufacturing storage. E. W. Smith. 1,879,562; Sept. 27.
Battery support. H. C. Doane. 1,872,621; Aug. 16.
Battery switch. H. Hubbell, jr. 1,853,358; Apr. 12.
Battery switch. J. L. McKinley. 1,878,977; Sept. 20.
Battery telephone equipment, Common. C. M. MacGregor. 1,846,686; Feb. 23.
Battery terminal. T. C. Dobbins. 1,865,681; July 5.
Battery terminal. C. E. Hoover. 1,844,011; Feb. 9.
Battery terminal. J. Shanks. 1,884,892; Oct. 25.
Battery terminal. F. J. Wallenberg and A. McQuinn. 1,859,545; May 24.
Battery terminal. A. W. Weimer and J. F. Smith. Re18,241; May 3.
Battery terminal and seal. C. Colliflower. 1,843,109; Feb. 2.
Battery terminal clamp. G. H. Christensen. 1,862,468; June 7.
Battery terminal clamp. P. E. Coe. 1,872,683; Aug. 23.
Battery terminal clamp. J. Gorman. 1,889,019; Nov. 29.
Battery terminal clamp. J. E. Hamby. 1,886,095; Nov. 1.
Battery terminal grip. H. J. Guttman. 1,861,439; June 7.
Battery terminal post, Non-corrosive. H. W. Doebel. 1,848,245; Mar. 8.
Battery terminals posts and connecters, Apparatus for lead burning storage. H. W. Lormor. 1,841,194; Jan. 12.
Battery terminal puller. I. E. Coffey. 1,879,099; Sept. 27.
Battery terminal puller. J. Richard. 1,851,925; Mar. 29.
Battery tester. B. J. Haskins. 1,882,581; Oct. 11.
Battery testing instrument. L. Myers. 1,887,656; Nov. 15.
Battery vent construction. W. E. Holland. 1,869,258; July 26.
Battery water level indicator. C. E. Krueger. 1,887,312; Nov. 8.
Batt slitter. G. H. Gebhardt and W. F. Bokum. 1,854,131; Apr. 12.
Bauxite, clay, and intermediate aluminum bearing ores, Treatment of. L. A. Jenness. 1,858,272; May 17.
Beacon and air current indicator. O. Werner. 1,874,214; Aug. 30.
Beacon and service station, Airship sea. C. J. Lindquist. 1,840,324; Jan. 12.
Beacon, Radio. G. Du B. De Dozas. 1,854,733; Apr. 19.
Beacon system. A. B. Hyland. 1,884,707; Oct. 25.
Bead closing mechanism for tire wrapping machines. E. C. Taylor. 1,865,650; July 5.
Bead forming. C. A. Y. Jenkins. 1,875,028; Aug. 30.
Bead, Jamb. H. F. Deubner. 1,886,653; Nov. 8.
Beam hanger. R. E. Stickel. 1,890,135; Dec. 6.
Bead machine. C. Hinde. 1,866,634; July 5.
Bead placing ring. R. M. Graham. 1,871,604; Aug. 16.
Bead plate. L. O. Grange. 1,849,229; Mar. 15.
Bead, Screen moulding. W. J. Dennis. 1,853,339; Apr. 12.
Bead setting ring. G. F. Wikle. 1,865,601; July 5.
Bead strip attaching press. J. R. Fleming and E. M. Wingert. 1,876,898; Sept. 13.
Beads for pneumatic tires, Fabricating. W. E. Humphrey. 1,881,270; Oct. 4.
Beads for tires, Apparatus for building. W. C. Stevens. 1,855,426; Apr. 26.
Beads on tubular articles, Apparatus for forming. R. Furner. 1,876,067; Aug. 16.
Beam counterbalance. F. Harder. J. B. Watson, and C. W. Middleton. 1,857,191; May 10.
Beam for supporting train packages. L. Holt. 1,878,779; Sept. 20.
Beam hanger. T. F. Watson. 1,860,757; May 31.
Beam light, Concentrated. H. Buel. 1,870,871; Aug. 9.
Beam, Skeleton. J. Kahn. 1,842,612; Jan. 26.
Beam swivel, Walking. R. C. Baker. 1,890,208; Dec. 6.
Bean, Walking. L. J. Mack. 1,885,675; Nov. 1.
Bean, Walking. J. D. McEwen. 1,867,016; July 12.
Bean, Walking. W. Schwemlein. 1,858,115; May 10.
Bean, Walking. W. C. Trout. 1,840,066; Jan. 5.
Bean cleaning apparatus. E. L. Culver. 1,874,916; Aug. 30.
Bean cutting device. B. Cluss. 1,887,921; Nov. 15.
Bean, Fav. G. S. Flanders and M. S. ap Rhys Pryce. 1,890,536; Dec. 13.
Bean pipping machine. R. I. Buck. 1,882,481; Oct. 11.
Bean picker. W. H. Urschel. 1,872,681; Aug. 23.
Bean piling apparatus. D. C. Draper. 1,841,467; Jan. 19.
Bean vine cutter. H. H. Robertson. 1,866,948; July 12.
Bearing. K. C. Bugg. 1,855,440; Apr. 26.
Bearing. W. H. Cater. 1,877,495; Sept. 13.
Bearing. F. E. De Vore. 1,869,524; Aug. 2.
Bearing. K. Gottmanns. 1,890,604; Dec. 13.
Bearing. P. F. Crum. 1,886,528.
Bearing. B. F. Hopkins and J. V. O. Palm. 1,863,809; June 21.
Bearing. M. C. Larson and J. J. Volansky. 1,845,425; Feb. 16.
Bearing. G. R. Leggett. 1,848,569; Mar. 8.
Bearing. N. O. Lindstrom. 1,879,357; Sept. 27.
Bearing. J. W. Parker. 1,886,219; Nov. 1.
Bearing. L. Sandler. 1,862,279; June 7.
Bearing. L. Sandler. 1,862,280; June 7.
Bearing. R. R. Searles and F. Leister. 1,884,299; Oct. 25.
Bearing. A. Vigne. 1,859,608; May 24.
Bearing. A. G. F. Wallgfen. 1,871,485; Aug. 16.
Bearing adapter. C. A. Adams. 1,876,534; Sept. 13.
Bearing, Adjustable. J. T. Holcomb. 1,839,314; Jan. 5.
Bearing, Adjustable. M. A. Snow. 1,849,963; Mar. 15.
Bearing, Adjustable king pin. J. B. Milligan. 1,885,202; June 28.
Bearing and cage and assembling same, Roller. T. V. Buckwalter. 1,846,836; Feb. 23.
Bearing and cage, Roller. W. L. Scribner. 1,840,607; Jan. 12.
Bearing and cage, Roller. E. Wooler. 1,878,057; Sept. 20.
Bearing and cage therefor, Roller. W. G. Kifer. 1,866,936; July 12.
Bearing and constructing same. H. E. Muchnic. 1,842,979; Jan. 26.
Bearing and seal, Antifriction. T. C. Delaval-Crow. 1,850,170; Mar. 22.
Bearing and shaft. F. I. Lauter. 1,856,770; May 3.
Bearing and stuffing box for turbine pumps, Combination automatic compensating. J. A. Wintrouth. 1,844,619; Feb. 9.
Bearing, Antifriction. G. R. Bott. 1,871,033; Aug. 9.
Bearing, Anti-friction. G. R. Bott. 1,888,215; Nov. 22.
Bearing, Antifriction. H. R. Gibbons. 1,869,890; Aug. 2.
Bearing, Antifriction. J. F. O'Connor. 1,855,725; Apr. 26.
Bearing, Antifriction. J. F. O'Connor. 1,862,765; June 14.
Bearing, Antifriction. J. F. O'Connor. 1,873,717; Aug. 23.
Bearing. Anti-friction ball. J. Diesk, jr. 1,842,253; Jan. 19.
Bearing, Antifriction journal. D. T. Brownlee. 1,877,486; Sept. 13.
Bearing arrangement for multicolor printing machines. A. Egli. 1,868,097; July 19.
Bearing assembly. S. H. Cowin. 1,872,251; Aug. 16.
Bearing assembly and housing therefor, Ball. O. Mitchell. 1,875,097; Aug. 30.
Bearing assembly, Pitman. O. W. Dunham. 1,868,817; July 26.
Bearing assembly, Roller. A. H. Oelkers. 1,882,231; Oct. 11.
Bearing, Automatic aligning. B. G. Goble. 1,850,751; Mar. 22.
Bearing, Automotive fan. A. D. Gardner. 1,870,993; Aug. 9.
Bearing, Axle. W. Peyinghaus. 1,848,026; Mar. 1.
Bearing, Axle. W. Peyinghaus. 1,858,935; May 17.
Bearing babbitting device. C. A. Nickles. 1,889,999; Dec. 6.
Bearing babbitting machine. P. J. Fobert. 1,853,344; Apr. 12.
Bearing bolster for spindles. E. Bowker. 1,868,688; July 26.
Bearing bracket for dynamo-electric machines and making the same. H. G. Reist. 1,869,118; July 26.
Bearing bush, Adjustable. W. Scharff. 1,876,763; Sept. 13.
Bearing cage, Roller. H. Marles. 1,881,804; Oct. 11.
Bearing, Car axle. L. W. Melcher. 1,866,263; July 5.
Bearing, Car journal. E. Baldwin. 1,877,638; Sept. 13.
Bearing, Combined thrust and steady. H. A. S. Howarth. 1,876,234; Sept. 6.
Bearing, Combined wheel, axle, and anti-friction. A. J. Cook. 1,846,847; Feb. 23.
Bearing construction. H. L. Blydenburgh. 1,863,615; June 21.
Bearing construction. L. Brennels. 1,885,410; Nov. 1.
Bearing construction. S. A. Hastings. 1,886,014; Nov. 1.
Bearing construction. L. R. Heim. 1,885,914; Nov. 1.
Bearing construction. F. J. Jarvis. 1,882,497; Oct. 11.
Bearing construction for turbine irrigation pumps. J. A. Wintrouth. 1,844,618; Feb. 9.
Bearing construction, Intermediate. A. R. Weis. 1,872,538; Aug. 16.
Bearing construction, Roller. C. S. Brown. 1,870,892; Aug. 9.
Bearing construction, Roller. C. S. Brown. 1,871,149; Aug. 9.
Bearing construction, Roller. C. A. Swart and J. H. Evans. 1,883,085; Oct. 18.
Bearing, Conveyor. H. S. Bilderback and I. B. McCullough. 1,866,077; July 5.
Bearing, Crank shaft. E. Bugatti. 1,868,937; July 26.
Bearing dividing machine. P. J. Fobert. 1,890,848; Dec. 13.
Bearing, Double end. A. R. Lemieux. 1,866,046; July 5.
Bearing, Double thrust roller. N. Medved. 1,885,852; Nov. 1.
Bearing drawer guide. Roller. A. C. Kennedy. 1,866,853; July 12.
Bearing, Drill stem. J. J. Santiago. 1,890,529–30; Dec. 13.
Bearing, Dustproof. E. Baseman. 1,860,305; May 24.
Bearing, Dustproof ball. H. R. Gotthardt. 1,856,547; May 3.
Bearing for balls of universal joints, etc. P. B. Goddard. 1,863,244; June 14.
Bearing for cars, Roller side. L. W. Barber. 1,843,940; Feb. 9.
Bearing for cars, Side. E. W. Webb. 1,845,899; Feb. 16

Bearing for clocks and the like, Balance. Le R. Copelin. 1,843,868; Feb. 2.
Bearing for combined loads. N. Medved. 1,843,292; Feb. 2.
Bearing for corn harvesters, Shaft. W. J. Coultas. 1,873,295; Aug. 23.
Bearing for engine crankshafts. G. W. Gillett. 1,873,382; Aug. 23.
Bearing for felting rolls. G. Oldham. 1,865,038; June 28.
Bearing for flexible pipe joints, Thrust. A. D. Bruce, E. A. Russell, and T. H. Manchester. 1,870,036; Aug. 2.
Bearing for folding machine rollers, Self aligning. R. J. Waterworth. 1,876,369; Sept. 6.
Bearing for hot shafts, Roller. A. Meyer. 1,886,966; Nov. 8.
Bearing for impellers. L. G. L. Thomas. 1,840,752; Jan. 12.
Bearing for machine tools, Spindle. W. W. Potter. 1,846,142; Feb. 23.
Bearing for machine tools, Turning ring. A. Schlegelmilch. 1,859,989; May 24.
Bearing for pumps, Shaft. A. G. Durdin, jr. 1,842,081; Jan. 19.
Bearing for quick revolving shafts or spindles, End or bottom. F. Mortensen. 1,866,478; July 5.
Bearing for railroad cars, Antifriction roller side. J. J. Tatum. 1,887,605; Nov. 15.
Bearing for railway cars, Journal. S. H. Campbell. 1,860,077; May 24.
Bearing for railway cars, Side. H. Fuchs. 1,873,702; Aug. 23.
Bearing for railroad cars, Side. G. S. Middleburst. 1,868,393; July 19.
Bearing for roll straightening machines, Adjustable. P. Billigmann. 1,844,555; Feb. 9.
Bearing for separators. Elastic. H. O. Lindgren. 1,887,315; Nov. 8.
Bearing for spring supports. J. W. Leighton. 1,852,320; Apr. 5.
Bearing for walking beam end-connections, Rocker. W. F. Bowman. 1,869,405; Aug. 2.
Bearing guard for conveyor rollers. P. C. Wego. 1,874,214; Sept. 20.
Bearing having a compensating backing, Metallic. W. Van E. Thompson. 1,845,364; Feb. 16.
Bearing joint. W. A. Flemerfelt. 1,853,121; Apr. 12.
Bearing, Journal. J. Baurodi. 1,880,660; Oct. 4.
Bearing, Journal. C. C. Calkins. 1,840,617; Jan. 12.
Bearing, Journal. A. G. M. Michell. 1,880,353; Oct. 4.
Bearing, Journal. W. J. O'Neill and W. E. Irvine. 1,880,976; Oct. 4.
Bearing, Journal. W. Peyinghaus. 1,892,628; Dec. 27.
Bearing liner for shafts. W. H. Manning. 1,872,606; Aug. 16.
Bearing liner or sleeve. B. Stockfleth. 1,851,934; Mar. 29.
Bearing lock. G. L. Ferguson. 1,875,719; Sept. 6.
Bearing, Lubricated. R. H. Thatcher. 1,858,315; May 17.
Bearing lubricating means. W. A. Tryon. 1,880,301; Oct. 4.
Bearing member assembly. H. A. Nelson. 1,861,239; May 31.
Bearing, Pitman. R. C. Baker. 1,890,207; Dec. 6.
Bearing, Propeller shaft. A. F. Masury. 1,881,800; Oct. 11.
Bearing puller. C. L. Eastburg. 1,842,155; Jan. 19.
Bearing races, Grinding. K. L. Herrmann. 1,880,347; Oct. 4.
Bearing, Resilient pivot. F. Martl. 1,845,430; Feb. 16.
Bearing, Revolvable step. W. G. O'Bryan. 1,864,461; June 21.
Bearing, Roller. P. C. Ackerman. 1,840,552; Jan. 12.
Bearing, Roller. A. Bryland. 1,850,738; Oct. 4.
Bearing, Roller. W. B. Bronander. Re18,562; Aug. 9.
Bearing, Roller. C. S. Brown. 1,871,150; Aug. 9.
Bearing, Roller. G. F. Couch. 1,849,040; Mar. 8.
Bearing, Roller. W. H. Wittbrodt. 1,891,173; Dec. 20.
Bearing, Roller. N. Medved. 1,843,293; Feb. 2.
Bearing, Roller. F. G. Seifarth. 1,865,796; July 5.
Bearing, Roller. G. H. Turner. 1,862,641; June 14.
Bearing, Roller. F. Tyson. 1,884,395; Oct. 25.
Bearing, Roller. H. Vanderbeek. 1,884,925; Oct. 25.
Bearing, Roller. H. Wittbrodt. 1,883,483; Nov. 22.
Bearing, Scale. J. W. Bryce. 1,856,410; May 3.
Bearing, Scale. H. A. Hadley. 1,858,588; May 17.
Bearing, Scale. W. F. Hieber. 1,885,721; Nov. 1.
Bearing, Sealed sleeve. J. L. Brown. 1,870,791; Aug. 9.
Bearing, Self adjusting shaft. J. A. Wintrouth. 1,847,389; Mar. 1.
Bearing, Self aligning. J. O. Bailey. 1,844,552; Feb. 9.
Bearing, Self-aligning ball. T. L. Robinson. 1,888,361; Nov. 22.
Bearing, Self cleaning connecting rod. C. E. Summers. 1,872,194; Aug. 16.
Bearing, Self lubricating. J. M. Bryan and B. Smartt. 1,885,586; Nov. 1.
Bearing, Self lubricating. R. H. Whiteley. 1,856,304; May 3.
Bearing, Shaft. W. C. Graul. 1,886,395; Nov. 8.
Bearing, Shaft. A. J. McGuire. 1,839,985; Jan. 5.
Bearing, Shaft. E. S. Spearman. 1,887,336; Nov. 8.
Bearing, Shaft. A. P. Strong. 1,877,206; Sept. 13.
Bearing, Shaft. A. G. F. Wallgren. 1,882,102–3; Oct. 11.
Bearing, Side. P. R. Drenning. 1,842,861; Jan. 26.
Bearing, Side. E. G. Goodwin. 1,865,900; July 5.
Bearing, Side. L. C. Koopmans. 1,885,358; Nov. 1.
Bearing, Side roller. F. T. Reese. 1,886,254; Nov. 1.
Bearing sleeve, Making a bimetal. B. Stockfleth. 1,892,176; Dec. 27.
Bearing sleeves, Making. B. Stockfleth. 1,892,172; Dec. 27.
Bearing sleeves, Making. B. Stockfleth. 1,892,174–5; Dec. 27.
Bearing sleeves, Making. B. Stockfleth. 1,892,177–80; Dec. 27.
Bearing, Spherical. A. Kingsbury. 1,876,690; Sept. 13.
Bearing, Steering knuckle. C. T. Raule. 1,866,724; July 12.
Bearing structure. C. L. Daun and P. E. Keller. 1,865,088; June 28.
Bearing structure. A. W. Simmons. 1,877,257; Sept. 13.
Bearing structure for deep well turbine pumps. J. A. Wintrouth. 1,844,620; Feb. 9.
Bearing structure having unbalanced lubrication. E. Mendenhall and J. B. Van Horn. 1,879,627; Sept. 27.
Bearing structure, Rubber. B. A. Evans. 1,885,339; Nov. 1.
Bearing support for transmissions. J. L. Matthews. 1,887,560; Nov. 15.
Bearing surface. C. S. Klumpp and R. R. Potter. 1,879,754; Sept. 27.
Bearing surface. E. P. Polushkin. 1,884,208; Oct. 25.
Bearing, Tapered roller. F. Tyson. 1,851,551; Mar. 29.
Bearing, Thrust. R. A. Baudry. 1,870,830; Aug. 9.
Bearing, Thrust. J. M. English. 1,853,675; Apr. 12.
Bearing, Thrust. E. G. Gilson. 1,845,789; Feb. 16.
Bearing, Thrust. B. S. Minor. 1,871,630; Aug. 16.
Bearing, Thrust. F. A. Van Bezel. 1,849,892; Mar. 15.
Bearing unit for wheels, Roller. R. B. Bukolt. 1,861,205; May 31.
Bearing, Vehicle bolster center. H. F. Fellows. 1,890,576; Dec. 13.
Bearing, Water cooled pump-head. C. E. Johnson. 1,841,604; Jan. 19.
Bearing with a roof, Oil bath. B. G. Goble. 1,882,492; Oct. 11.
Bearing with settling basin, Self lubricating vertical. B. G. Goble. 1,889,243; Nov. 29.
Bearings, Apparatus for making. W. H. Klocke. 1,880,454; Oct. 4.
Bearings, Assembling roller. E. G. Boden. 1,885,980; Nov. 1.
Bearings, Assembling roller. W. L. Scribner. 1,840,638; Jan. 12.
Bearings, Casting dual metal. R. D. Pike and E. W. Carroll. 1,870,867; Aug. 9.
Bearings, Fabricating sheet metal. C. H. Leis. 1,891,555; Dec. 27.
Bearings, Lubricating. G. C. Bown and Edward J. McCarthy. 1,879,839; Sept. 27.
Bearings, Lubrication of. M. Rall and H. Bischoff. 1,884,224; Oct. 25.
Bearings, Making. W. H. Klocke. 1,867,412; July 12.
Bearings to shafts, Locking antifriction. J. R. Dunham.
Beat frequency and phase indicator. A. Crossley. 1,846,314; Feb. 23.
Beater, Combination blade and pin. W. W. Arnold, jr. 1,891,132; Dec. 13.
1,889,063–4; Nov. 29.
Beater, Egg. E. A. Aurelius. 1,848,925; Mar. 8.
Beater, Egg. A. G. Hiert. 1,847,563; Mar. 1.
Beater, Egg. T. A. Killman. 1,881,361; Oct. 4.
Beater engine. F. J. Grathwol and J. E. Grathwol. 1,873,835; Aug. 23.
Beater Food. B. H. Decker and F. E. Andersen. Des. 87,626; Aug. 23.
Beater for cleaning rugs. F. L. Felty. 1,883,851; Oct. 18.
Beater, Manila hemp. S. Oki. 1,889,104; Nov. 29.
Beater, Pulp. W. A. Bessmer. 1,847,374; Mar. 1.
Beater roll. W. Y. Phenice. 1,862,495; June 7.
Beating process and apparatus for practising same. G. A. Richter and M. J. Schur. 1,859,890; May 24.
Bed. A. Bell. 1,858,657; May 17.
Bed. L. D. Dobbs. 1,880,890; Oct. 4.
Bed. D. Kurkchee. 1,889,148; Nov. 29.
Bed. W. L. Murphy. 1,852,628; Apr. 5.
Bed. S. Stephens. 1,866,953; July 12.
Bed and a spring bottom, Metal. Thum. 1,876,102; Sept. 6.
Bed and attaching device, Folding. E. Cocks. 1,885,511; Nov. 1.
Bed and couch, Refrigerated. H. E. Bang. 1,891,903; Dec. 27.
Bed and cylinder printing press. C. B. Cottrell, 3d. 1,886,529–30; Nov. 8.
Bed and davenport, Combination day. P. Hacker. 1,883,730; Oct. 18.
Bed and davenport, Combination folding. E. L. Weinman. 1,885,160; Nov. 1.
Bed and mantle, Combined. H. Bartels. 1,856,456; May 3.
Bed and table structure, Folding. A. S. Thompson. 1,841,992; Jan. 19.
Bed and the like, Collapsible. S. and J. Breckman. 1,862,463; June 7.
Bed attachment. W. D. Nells. 1,840,170; Jan. 5.
Bed attachment. M. A. Saunders. 1,841,864; Feb. 9.
Bed attachment, Hospital. I. Birman. 1,866,696; July 12.

Bed attachment, Sanitary. H. F. Sweet. 1,875,522; Sept. 6.
Bed, Automobile. E. G. Berglund. 1,853,032; Apr. 12.
Bed, Automobile. M. Konzelman. 1,845,025; Feb. 16.
Bed bottom. R. W. Marquardt. 1,839,325; Jan. 5.
Bed bottom hanger mechanism. W. S. Brown. 1,861,735; June 7.
Bed brace, Slip-on. E. Claussen. 1,869,796; Aug. 2.
Bed chair, Combination. P. Fedor. 1,847,755; Mar. 1.
Bed construction, Animal. C. M. Rose. 1,890,163; Dec. 6.
Bed, Cooling. E. W. Mikaelson. 1,845,926; Feb. 16.
Bed couch. R. C. Young. 1,856,449; May 3.
Bed, Couch. J. Pale. 1,848,688; Mar. 8.
Bed coupling. C. Jacobs. 1,851,282; Mar. 29.
Bed, Davenport. R. Coopersmith. 1,842,248; Jan. 19.
Bed desk. R. Berman. Des. 88,746; Dec. 27.
Bed, Door. E. Cocks. 1,854,249; Apr. 19.
Bed, Door. H. W. Lauterstein. 1,876,327; Sept. 6.
Bed end. R. J. Ellsworth. 1,886,090; Nov. 1.
Bed, Folding. G. A. Daigle. 1,871,158; Aug. 9.
Bed, Folding. T. B. Draper. 1,871,593; Aug. 16.
Bed, Folding. W. A. Moeller. 1,852,185; Apr. 5.
Bed, Folding. C. Schulke and H. Zarnikoll. 1,849,806; Mar. 15.
Bed, Folding. N. Sinclair. Re18,469; May 17.
Bed, Folding closet. A. M. Sorg. 1,841,648; Jan. 19.
Bed, Folding davenport. D. H. Caldemeyer. 1,886,081; Nov. 1.
Bed, Folding davenport. W. J. Duvall. 1,858,543; May 17.
Bed heater. R. Sideman. 1,840,261; Jan. 5.
Bed, Hospital. W. J. Duvall. 1,862,820; June 14.
Bed, Hospital. R. Staudt. 1,874,826; Aug. 30.
Bed, Infant's. W. P. Myron. 1,839,580; Jan. 5.
Bed, Invalid. A. S. Brown. 1,891,195; Dec. 20.
Bed, Invalid. E. Phillips. 1,856,785; May 3.
Bed, Invalid's. A. Comper. 1,884,577; Oct. 25.
Bed, Invalid's. W. R. Derry. 1,890,177; Dec. 6.
Bed, Obstetrical. J. H. Schiffbouer and J. C. Sell. 1,839,705; Jan. 5.
Bed or body for wheeled vehicles, Removable. J. E. Walker. 1,863,514; June 14.
Bed or couch. J. H. Pilates. 1,876,743; Sept. 13.
Bed or couch, Folding. O. Fichtenbaum. 1,885,812; Nov. 1.
Bed or couch, Folding. O. and H. Fichtenbaum. 1,850,262; Mar. 22.
Bed or crib, Collapsible. M. E. Seyferth. 1,887,438; Nov. 8.
Bed or like structure, Folding. M. F. Bayer. 1,883,867; Oct. 25.
Bed or other structure, Foldable. J. R. Thomas. 1,877,539; Sept. 13.
Bedpan. C. Compter. 1,888,423; Nov. 22.
Bedpan. G. W. Randall. 1,872,809; Aug. 23.
Bedpan, Sanitary. T. Zink. 1,869,036; July 26.
Bedpan washer. L. Talas. 1,892,291; Dec. 27.
Bed plate. A. J. Allison. 1,886,861; Nov. 8.
Bed, Recess. R. J. Ellsworth. 1,885,999; Nov. 1.
Bed rest. Ambulance. H. C. MacDougall. 1,864,454; June 21.
Bed, Roll-away. M. Fox. 1,839,839; Jan. 5.
Bedside unit. J. T. Fehl and A. Belcher. 1,885,597; Nov. 1.
Bed, Sofa. S. Karpen. 1,878,405; Sept. 20.
Bed, Sofa. C. S. Moeckel. 1,871,817; Aug. 16.
Bedspread. F. E. Budd. Des. 85,981; May 17.
Bedspring. J. F. Gail. 1,879,172; Sept. 27.
Bedspring. G. G. Powers and L. J. Sieger. 1,862,905; June 14.
Bedstead. G. A. Cote. 1,875,421; Sept. 6.
Bedstead. I. A. Featherman. 1,892,427; Dec. 27.
Bedstead. G. Van De Riet. Des. 88,180; Nov. 1.
Bedstead and lamps, Combined. E. M. Squires. Des. 86,064; Jan. 19.
Bedstead construction. M. F. Bayer. 1,846,936; Feb. 23.
Bedstead, Folding. J. W. Bond. 1,875,456; Sept. 6.
Bed table. T. Pepler. 1,862,237; June 7.
Bed, table, or desk, Foldable. L. Schlesinger. 1,868,642; July 26.
Bed, Wall. N. B. Douglass. 1,872,909; Aug. 23.
Bed, Wall. N. B. Douglass. 1,876,045; Sept. 6.
Bed wardrobe. A. L. Brooker. 1,859,912; May 24.
Beds, Attachment for hospital. E. W. Jimmerson. 1,866,258; July 5.
Beds, Attachment for hospital. J. W. Logan. 1,865,324; June 28.
Beehive. H. O. Benton. 1,857,709; May 10.
Beehive. H. Trauner. 1,854,871; Apr. 19.
Beehives, etc., Device for sterilizing and renovating. O. C. Gail. 1,850,100; Mar. 22.
Beef, mutton, lamb, and the like, Defreezing frozen. A. Rayson. 1,850,031; Mar. 15.
Beer or other liquids, Apparatus for pasteurizing. R. F. Graham. 1,859,389; May 24.
Beers weak in alcohol, Preparation of. A. Haselbach. 1,892,242; Dec. 27.
Beet blocker. C. A. J. Andersen. 1,863,959; June 21.
Beet harvesting machine. T. Dugan. 1,879,137; Sept. 27.
Beet pulling and cutting apparatus. F. Cuvillier. 1,854,112; Apr. 12.
Beet root gathering machine. H. Stolze. 1,881,145; Oct. 4.
Beet topper. F. A. Sherman. 1,886,843; Nov. 8.
Beet topping attachment for beet pullers. G. H. Seelinger. 1,864,031; June 21.
Beetle trap. F. A. Braun. 1,882,380; Oct. 11.
Bell and blotter holder, Combination call. P. H. Bandonill. 1,870,100; Aug. 2.
Bell and spigot joint. J. R. McWane. 1,872,781; Aug. 23.
Bell and vibratory mechanism, Electromagnetic. L. E. Richmond. 1,839,342; Jan. 5.
Bell buoy. G. Hoffmeier. 1,851,836; Mar. 29.
Bell, Horn. J. H. Marks. Des. 86,530; Mar. 15.
Bell ringing device for toy locomotives. J. E. Cuff. 1,868,194; July 19.
Bells, Striking mechanisms for. S. B. Merrill. 1,848,020; Mar. 1.
Bellows, Attachment of heads to. J. V. Giesler. 1,870,904; Aug. 9.
Bellows folds, Making. W. B. Clifford. 1,842,148; Jan. 19.
Bellows, Making metallic. C. L. Lee and T. C. Van Degrift. 1,854,944; Apr. 19.
Bellows, Making tubular metallic. J. V. Giesler and F. K. Bezzenberger. 1,844,469; Feb. 9.
Bellows, Method and apparatus for exhausting and sealing metallic. W. B. Clifford. 1,848,319; Mar. 8.
Bellows tubing, Apparatus for production of. W. B. Clifford. 1,850,154; Sept. 27.
Bellows tubing, Forming. W. B. Clifford. 1,842,149; Jan. 19.
Belt. E. E. Gray. 1,859,204; May 17.
Belt. H. A. Hamilton. Des. 87,571–2; Aug. 16.
Belt. W. C. Heyer. 1,847,182; Mar. 1.
Belt. H. A. Knox. 1,877,135; Sept. 13.
Belt. A. B. Reisman. 1,869,208; July 26.
Belt. M. Sachs. Des. 86,480; Mar. 8.
Belt. M. Sachs. Des. 87,490; Aug. 2.
Belt. M. Silverman and H. Pomeranz. Des. 87,731; Sept. 6.
Belt and buckle therefor, Pilot's safety. S. Switlik. 1,877,704; Sept. 13.
Belt, Apparel. J. T. Duffy, jr. 1,880,908; Oct. 4.
Belt, Buoyant bathing. G. E. Haines. 1,856,632; May 3.
Belt, Chain or link. C. Sims. 1,870,165; Aug. 2.
Belt clamp. C. R. Edmondson. 1,843,023; Jan. 26.
Belt clamp. A. G. Hollman. 1,846,420; Feb. 23.
Belt clamp. G. F. Smith. 1,878,003; Sept. 20.
Belt, Colostomy. M. A. Bowman. 1,857,179; May 10.
Belt construction. L. B. Wheeler. 1,878,048; Sept. 20.
Belt construction and method of use. J. P. Cannon. 1,863,562; June 21.
Belt control apparatus. H. Prins. 1,842,946; Jan. 26.
Belt conveyer. W. B. Cooley. 1,858,764; May 17.
Belt, Conveyer. D. S. Finney. 1,862,310; June 28.
Belt, Conveyer. V. C. King. 1,839,226; Jan. 5.
Belt, Conveyer. G. W. Schwan. 1,855,808; Apr. 26.
Belt coupling. J. K. Cowan. 1,841,734; Jan. 19.
Belt, Detachable bath robe. A. Schlusselberg. 1,877,697; Sept. 13.
Belt, Double cog. A. L. Freedlander. 1,890,080; Dec. 6.
Belt, Driving. P. B. Reeves. 1,862,198; June 7.
Belt, Driving. P. B. Reeves. 1,883,821; Oct. 18.
Belt, Elastic. L. H. Von Dalsen. 1,867,039; July 12.
Belt, Endless traction. R. E. R. Venzlaff and O. F. Buck. 1,869,290; July 26.
Belt, Expansible apparel. M. Silverman and H. Pomeranz. Des. 87,601; Aug. 16.
Belt fastener applying machine. G. E. Purple. 1,853,928; Apr. 12.
Belt for cigarette machines, Two-speed collector. W. B. Bronander. 1,885,892; Nov. 1.
Belt for paper-making machines, Woven wire. N. W. Webb. 1,891,788; Dec. 20.
Belt for personal wear. M. Sachs. Des. 87,423; July 19.
Belt, Life. A. Moore. 1,888,283; Nov. 22.
Belt, Line contact. A. L. Freedlander. 1,890,082; Dec. 6.
Belt, Link. F. L. Morse. 1,878,797; Sept. 20.
Belt, Lubricated. A. L. Freedlander. 1,854,252; Apr. 19.
Belt, Machine gun cartridge. G. F. French. 1,876,216; Sept. 6.
Belt, Resilient. S. Speirs. 1,841,385; Jan. 19.
Belt reversing mechanism, Single. Le R. C. Schenck. 1,841,681; Jan. 19.
Belt, Safety. O. Becker. 1,851,080; Mar. 29.
Belt, Safety. F. R. Davis. 1,882,381; Oct. 11.
Belt, Side driving. H. B. Soulen. 1,841,649; Jan. 19.
Belt, Sorting and packing. A. O. Noe. 1,883,101; Oct. 25.
Belt, Spiral conveyer. F. N. Woodman. 1,850,859; Mar. 22.
Belt, Swimming. A. A. Marengo. 1,875,630; Sept. 6.
Belt, Swimming. M. Stellmacher. 1,870,535; Aug. 9.
Belt take-up, Automatic. P. J. Thomas. 1,868,438; July 19.
Belt, Swimming. T. Summerson. 1,862,070; June 7.
Belt tightener. C. M. McRaven. 1,841,834; Jan. 19.
Belt tightener. A. R. Ridderstrom. 1,884,246; Oct. 25.
Belt tightener and guide. J. Reid. 1,861,133; May 31.
Belt, Tracklaying. R. E. Choate. 1,862,784; June 14.
Belt traction device, Endless. C. L. George. 1,885,430; Nov. 1.
Belt winding machine. A. I. Snow. 1,853,384; Apr. 12.
Belt, Woven wire. E. F. Pink. 1,845,035; Feb. 16.

Belt, Woven wire conveyer. H. A. Wadman. 1,880,537; Oct. 4.
Belting. V. Guinzburg. 1,840,945; Jan. 12.
Belts, Making double. W. S. Griffith. 1,863,596; June 21.
Belts, Making V-type transmission. R. H. Chilton. 1,871,953; Aug. 16.
Bench: *See*—
Baker's bench. Kneeling bench.
Carpenter's bench. Optical bench.
Drawing bench. Tube drawing bench.
Exhibition bench. Vanity bench.
Bench. H. F. Gleim. 1,879,185; Sept. 27.
Bench. H. T. Hallowell and F. Bennett. 1,843,814; Feb. 2.
Bench. J. C. Mathis. 1,862,382; June 7.
Bench and table, Combination. R. Brenholts. 1,891,665; Dec. 20.
Bench or settee, Stone. H. Thelen. 1,886,988; Nov. 8.
Bench or table. W. A. Adams. 1,855,273; Apr. 26.
Bend assembly, Return. M. T. Youker. 1,864,879; June 28.
Bend or header construction for tubular stills or boilers or pipe connections, Return. R. T. Howes. 1,890,464; Dec. 13.
Bend, Return. F. C. Fantz. 1,843,125; Feb. 2.
Bend, Return. F. C. Fantz. 1,866,636; July 12.
Bend, Return. C. B. Harbison. 1,862,748; June 14.
Bend, Return. W. S. Kirkpatrick. 1,865,016; June 28.
Bending and straightening device. P. T. Bynum. 1,860,171; May 24.
Bending machine. F. Vitelli. 1,863,513; June 14.
Bending, Method and apparatus for. R. V. Proctor. 1,890,949; Dec. 13.
Bends and similar structures, Manufacture of return. C. H. Fantz. 1,863,033; June 14.
Bends from straight fiber tubes, Manufacture of. M. O. Schur and J. G. Gosselink. 1,880,053; Sept. 27.
Bends, Making return. T. F. Birmingham. 1,891,898; Dec. 27.
Bent tube boiler. L. J. Marshall. 1,872,094; Aug. 16.
Bentonite compositions. Preparing. H. Batterman. 1,873,262; Aug. 23.
Benzanthrone compounds, Caustic fusion of. E. T. Howell. 1,866,500; July 5.
Benzanthrone derivatives and preparing them. G. Kranzlein, H. Greune, and G. Langbein. 1,856,711; May 3.
Benzanthrone derivatives and preparing them. G. Kranzlein, H. Greune, and H. Vollmann. 1,892,241; Dec. 27.
Benzanthrone derivatives of pyrazoianthrone and preparing them. K. Wilke. 1,873,925; Aug. 23.
Benzanthrone series and preparation of them, Derivatives of the. E. Holzapfel, O. Braunsdorf, and H. Lange. 1,844,163; Feb. 9.
Benzanthrone series, Coloring matters and intermediates of the. D. C. R. Jones, R. F. Thomson, and J. Thomas. 1,885,449; Nov. 1.
Benzoyl chloride, Manufacture and production of. B. W. Henderson and J. F. Percival. 1,851,832; Mar. 29.
Benzyl-alkyl aniline, Preparation of. L. F. Martin and D. E. MacQueen. 1,887,772; Nov. 15.
Benzyl cellulose. D. Craill. 1,883,122; Oct. 18.
Benzyl chloride, Manufacture of. N. Bennett, H. Dodd, W. C. Sprent, and F. Holt. 1,872,227; Aug. 16.
Benzylmorphine salts, Manufacture of easily soluble. A. Stoll and E. Burckhardt. 1,892,019; Dec. 27.
Beret. H. Grumbach. 1,890,055; Dec. 6.
Berry and shoulder attachment for road rollers, etc. R. L. Harris. 1,840,230; Jan. 5.
Berry, Bramble. P. W. Meredith. Pt. Pt. 39; Oct. 25.
Berth. M. H. White. 1,846,824; Feb. 23.
Beryl, Decomposing. M. Zimmermann. 1,851,476; Mar. 29.
Beryllium and beryllium compounds and isolation of beryllium salts, Production of. J. J. Pelc. 1,867,755; July 19.
Beryllium metal, Producing. H. C. Claflin. 1,861,656; June 7.
Beryllium oxide or beryllium hydroxide from technical alkali-beryllium double halides in particular fluorides, Production of. H. Fischer. 1,858,771; May 17.
Beta-dimethylaminoethyl ester of para-butyl-amino-benzoic acid. O. Eisleb. 1,889,645; Nov. 29.
Beta (meta-arsonic acid phenyl azo) alpha alpha diaminopyridine and making it. E. T. Tisza and B. Joos. 1,874,655; Aug. 30.
Betaine hydrochloride and potassium chloride from waste molasses, Separating. Y. Takayama. 1,870,319; Aug. 9.
Bevel gauge. H. Ahola. 1,857,129; May 10.
Bevel, squaring and leveling device, Combination. G. F. Hall. 1,871,176; Aug. 9.
Beveling machine. G. R. Teschel, G. Salinger, and L. H. Isaac. 1,876,179; Sept. 6.
Beverage brewing device. S. A. Haines. 1,845,019–20; Feb. 16.
Beverage dispenser. L. L. Benham, H. L. Ferree, and W. J. Balkwill. 1,892,547; Dec. 27.
Beverage gas charging apparatus. A. W. Morris. 1,854,754; Apr. 19.
Beverage handling apparatus. A. C. Waffenschmidt. 1,846,535; Feb. 23.
Beverage making machine. A. Strand and J. B. Hawley, Jr. 1,869,720; Aug. 2.
Beverage set. H. Korn. 1,858,299; May 17.
Beverages, Stabilizing cereal. D. Cozzolino. 1,892,457; Dec. 27.
Bezel for unbreakable clock crystals, Sheet metal. E. L. Carlson. 1,858,262; May 17.
Bias cutting and fabric stripping machine. F. J. Shook. 1,888,744; Nov. 22.
Bias cutting machine. H. S. Alexander, F. B. Pfeiffer, and J. W. White. 1,888,754; Nov. 22.
Bias cutting machine. H. M. Bunker. 1,865,301; June 28.
Bias cutting machine. A. L. Heston. 1,874,750; Aug. 30.
Bicycle and motor-cycle seat. F. Blake. 1,858,477; May 17.
Bicycle and scooter, Combined. J. Holtzman. 1,872,142; Aug. 16.
Bicycle construction. W. J. Lander. 1,849,937; Mar. 15.
Bicycle, Convertible. A. L. Hess. 1,855,172; Apr. 19.
Bicycle lock. F. W. and E. C. Bell. 1,881,346; Oct. 4.
Bicycle with auxiliary motor. A. Lesage. 1,878,975; Sept. 20.
Bidding apparatus. M. J. Huizinga. 1,887,684; Nov. 15.
Bier, Casket. L. A. and J. A. Weber. 1,891,963; Dec. 27.
Bilge keel or the like antirolling device for ships. E. V. Telfer. 1,864,102; June 21.
Billboard. R. A. Schorr and P. R. Frank. 1,867,598; July 19.
Billboard, Luminous animated out-door. F. A. Gritt. 1,843,897; Feb. 2.
Bill box. J. H. Bowman. 1,876,043; Sept. 6.
Bill clip. G. N. Michaud and E. L. Ogilvie. 1,851,013; Mar. 29.
Bill clip. L. Weeks. 1,857,488; May 10.
Bill fold. W. R. Buxton. Des. 86,351; Mar. 1.
Bill fold. P. A. Gardner, jr. Des. 87,255; June 28.
Bill fold. P. A. Gardner. Des. 87,387–8; Sept. 27.
Bill fold. P. A. Gardner, jr. 1,865,626; July 5.
Bill fold. G. F. Groom. 1,856,703; May 3.
Bill fold. W. J. Kaliebe. 1,872,748; Aug. 23.
Bill fold. H. J. Rolfs. 1,840,212; Jan. 5.
Bill fold. J. P. Wege. Des. 88,592; Dec. 6.
Bill-fold. W. H. and C. J. Weissbrod. 1,843,468; Feb. 2.
Bill fold and coin purse, Combined. N. Ottinger. 1,865,881; July 5.
Billfold or similar article of manufacture. O. Halvorsen. Des. 86,772; Apr. 19.
Bill for decoys. W. Dinsmore. 1,849,179; Mar. 15.
Bill frame. J. L. Locklin. Des. 88,503; Nov. 15.
Billet furnace. R. Bale. 1,879,041; Aug. 23.
Billets and the like, Mechanical handling of. E. J. Quinn. 1,889,039; Nov. 29.
Billets or the like, Apparatus for heating. H. A. Dreffein. 1,861,790; June 7.
Billiard table. M. Langenhaun. 1,889,899; Dec. 6.
Billiard table. J. O. Matteson. Des. 87,535; Aug. 9.
Billiard table, Pocket. B. R. Nyhagen. 1,854,273; Apr. 19.
Billing and posting machine, Autographic R. C. Roath. 1,892,155; Aug. 30.
Billing device, Condensed. E. A. Davidge. 1,858,729; May 17.
Billing machine. H. H. Walker. 1,845,065; Feb. 16.
Billing machine, Public service. W. E. Lippert. 1,885,525; Nov. 1.
Bimetallic articles, Rolling. F. A. Whitehead. 1,833,205; Oct. 18.
Bin: *See*—
Drill bit. Nesting bin.
Grain bin. Rotary bin.
Nail bin. Self weighing bin.
Bin for harvesters, Gravity discharge grain. J. W. and P. M. Hoeding. 1,852,969; Apr. 5.
Bin structure, Ore. H. A. Nelson. 1,860,903; May 31.
Binder. H. Born. 1,840,184; Jan. 5.
Binder. H. G. Buchan. 1,851,975; Apr. 5.
Binder. A. J. Green. 1,865,098; June 28.
Binder. N. W. Hicks. 1,889,095; Nov. 29.
Binder. E. J. Joyce. 1,855,453; Apr. 26.
Binder. H. E. Olson. 1,867,983; July 19.
Binder and applying the same, Coal. J. A. Erickson. 1,887,183; Nov. 8.
Binder and briquette and producing same. R. E. Willard. 1,869,083; July 26.
Binder and carrier, Letter bundle. F. Farley. 1,871,263; Aug. 9.
Binder and forming the same, Loose-leaf. R. M. Watson. 1,878,079; Sept. 20.
Binder and indicating device therefor. R. E. Carney. 1,865,741; July 5.
Binder and lock, Loose leaf. W. B. Wolf. 1,869,790; Aug. 2.
Binder and making the same. H. G. Buchan. 1,889,536; Nov. 29.
Binder bolt wrench. R. R. Royal. 1,877,595; Sept. 13.
Binder, Book. N. H. Stuart. 1,876,360; Sept. 6.
Binder, Chain and knot. J. Segimón. 1,892,411; Dec. 27.
Binder, Chain post. J. H. Davison. 1,864,982; June 28.
Binder clip. L. E. Baltzley. 1,865,453; July 5.
Binder clip. L. E. Baltzley. 1,891,494; Dec. 20.
Binder, coating or paste, Core or mold. C. N. Saeger, jr. 1,889,905; Dec. 6.
Binder construction, Grain. C. P. Houtsma. 1,848,483; Mar. 8.

Binder, Expansible post. E. F. Buenger. 1,846,788; Feb. 23.
Binder for locomotive frames, Pedestal. B. Cook. 1,872,897; Aug. 23.
Binder for loose leaves, Permanent. N. S. Welk. 1,845,009; Feb. 16.
Binder for loose leaves or sheets, H. Auburn. 1,891,037; Dec. 13.
Binder for sales coupons. P. E. Farrelly. 1,847,825; Mar. 1.
Binder for straps, Metallic. C. Duerr. 1,840,771; Jan. 12.
Binder, Grain. C. R. Raney. 1,850,483; Oct. 4.
Binder, Load. S. J. Montgomery. 1,885,128; Nov. 1.
Binder lock. L. R. E. Hutchings. 1,876,419; Sept. 6.
Binder, Loose leaf. F. C. Bingham. 1,853,132; May 10.
Binder, Loose-leaf. R. Connor, N. S. Welk, and D. R. Zenner. 1,872,248; Aug. 16.
Binder, Loose leaf. S. J. Copeland. 1,874,456; Aug. 30.
Binder, Loose leaf. H. D. Cottrell. 1,852,701; Apr. 5.
Binder, Loose leaf. J. C. Dawson. 1,841,793; Jan. 19.
Binder, Loose leaf. J. C. Dawson. 1,859,237; May 17.
Binder, Loose leaf. J. C. Dawson. 1,868,793; July 26.
Binder, Loose leaf. J. C. Dawson. 1,874,031; Aug. 30.
Binder, Loose leaf. E. G. Duprée. 1,878,476; Sept. 20.
Binder, Loose leaf. C. A. Finley. 1,865,354; June 28.
Binder, Loose leaf. C. A. Finley. 1,874,092; Aug. 30.
Binder, Loose-leaf. C. H. Franz, jr. 1,877,831; Sept. 20.
Binder, Loose leaf. L. E. Goodyear. 1,857,343; May 10.
Binder, Loose leaf. G. E. Hamlin. 1,869,937; Aug. 2.
Binder, Loose leaf. L. E. Hutchings. 1,876,232; Sept. 6.
Binder, Loose leaf. S. S. Hutson. 1,841,603; Jan. 19.
Binder, Loose leaf. F. L. Impey. 1,841,894; Jan. 19.
Binder, Loose leaf. F. L. Impey. 1,856,337; May 3.
Binder, Loose leaf. F. L. Impey. 1,867,466; June 12.
Binder, Loose leaf. C. E. Johnson and W. H. Edwards. 1,891,988; Dec. 27.
Binder, Loose leaf. G. J. Johnson. 1,889,962; Dec. 6.
Binder, Loose leaf. M. L. Larsen. 1,888,461; Nov. 22.
Binder, Loose leaf. A. G. Lotter. 1,845,671; Feb. 16.
Binder, Loose leaf. A. G. Lotter. 1,861,694; July 12.
Binder, Loose leaf. A. G. Lotter. 1,890,688; Dec. 13.
Binder, Loose-leaf. J. L. McMillan. 1,866,050; July 5.
Binder, Loose leaf. J. L. McMillan. 1,885,461; Nov. 1.
Binder, Loose leaf. G. O. Pyle. 1,840,924; Jan. 19.
Binder, Loose leaf. E. C. Moore. 1,849,243; Mar. 15.
Binder, Loose leaf. J. Potts. 1,851,930; Oct. 11.
Binder, Loose leaf. J. Schade. 1,872,825; Aug. 23.
Binder, Looseleaf. J. Schade. 1,884,278; Oct. 25.
Binder, Loose leaf. J. L. Schlichting. 1,845,445; Feb. 16.
Binder, Loose leaf. S. Sein. 1,845,730; Feb. 16.
Binder, Loose leaf. O. S. Swall. 1,885,018; Oct. 25.
Binder, Loose-leaf. C. D. Trussell. 1,857,291; May 10.
Binder, Loose leaf. P. C. Wagner. 1,859,292; Nov. 29.
Binder, Loose leaf. W. F. Warner, jr. 1,888,020; Nov. 15.
Binder, Loose leaf. W. F. Wolf. 1,859,689; May 24.
Binder, Loose leaf post. J. C. Dawson. 1,847,384; Mar. 1.
Binder, Loose leaf post. J. C. Dawson. 1,874,032; Aug. 30.
Binder, Loose leaf post. J. S. Dorsch. 1,841,575; Jan. 19.
Binder, Loose sheet. J. Schade. 1,832,965; Oct. 13.
Binder, Magazine or catalogue. E. Buenger. 1,880,763; Oct. 4.
Binder or filing cover, Loose leaf. G. Poulton, 1,871,321; Sept. 20.
Binder, Pamphlet. H. R. McCleary. 1,843,575; Feb. 2.
Binder, Record. P. O. Unger. 1,833,254; Oct. 18.
Binder, Ring. A. G. Lotter. 1,845,670; Feb. 16.
Binder, Ski. R. I. Svorstol. 1,891,509; Dec. 20.
Binder, Temporary. L. L. Allyn. 1,850,783; Mar. 22.
Binder, Temporary. G. F. Wigginton. 1,876,874; Sept. 6.
Binder, Transfer. G. H. Dawson. 1,871,668; Aug. 16.
Binder, Visible index. J. L. McMillan. 1,861,749; June 7.
Binder, Visible lock. W. H. Smith. 1,841,968; Jan. 19.
Binders and other agricultural implements. Side draft reducing device for. H. Myers. 1,852,470; Apr. 5.
Binders, Method and apparatus for manufacturing loose leaf. J. C. Dawson. 1,842,249; Jan. 19.
Binding and tie string for flags or the like, Edge. L. A. Anna. 1,854,012; Apr. 12.
Binding of sheet articles. H. A. Evans. 1,871,679; Aug. 16.
Binding post. E. D. Pelton. 1,845,517; Feb. 16.
Binding post for meters. R. P. Brown. 1,845,699; Feb. 16.
Binding strip for parts of boots and shoes. P. E. Stevens. 1,883,421; Oct. 18.
Binocular. E. O. Fitzpatrick. Des. 88,224; Nov. 8.
Binocular photographic device. L. Holder. 1,863,558; June 7.
Biopsy specimens, Device for obtaining. W. J. Hoffman. 1,867,624; July 19.
Bird bath and sun dial, Combined. A. G. Spindler. Des. 87,364; July 12.
Bird cage bath. V. W. Busch. 1,864,230; June 21.
Bird figure. L. D. Grubbs. Des. 88,734; Dec. 20.
Bird figure and pedestal, Combined. P. Gerent. Des. 88,768; Dec. 27.
Bird house. F. T. Cook. Des. 87,460; Aug. 2.
Birth-charm. E. Meyer. Des. 87,075; May 31.
Biscuit package. C. Lorber. 1,861,124; May 31.
Biscuits and the like, Collecting and arranging. R. F. MacFarlane and W. E. Prescott. 1,871,332; Aug. 9.
Biscuits or the like articles and machine therefor, Manufacture of. E. M. Crosland. 1,883,592; Oct. 18.
Biscuits or the like from conveyers, Mechanism for discharging. J. C. Paterson and G. D. Wilson. 1,871,276; Aug. 9.
Bismuth alkaline-earth-metal thio glycolates and making same. W. G. Christiansen and W. M. Lauter. 1,859,288; May 24.
Bismuth alloy, Concentration of. W. C. Smith. 1,870,470; Aug. 9.
Bismuth from lead, Removal of. J. O. Betterton. 1,853,534; Apr. 12.
Bismuth from lead, Removal of. J. O. Betterton. 1,853,539; Apr. 12.
Bismuth from metals, Removing. J. O. Betterton. 1,853,538; Apr. 12.
Bismuth oxide, bismuth carbonate, and other salts of bismuth, Manufacture of. R. Sanz. 1,854,140; Apr. 19.
Bismuth, Refining. W. C. Smith. 1,870,388; Aug. 9.
Bisulphite reactions with sulphur dioxide in substantially neutral solutions, Effecting. F. W. Binns and J. M. Lurie. 1,880,701; Oct. 4.
Bit: *See*—
Auger bit.
Core drill bit.
Cutter bit.
Detachable drill bit.
Drill bit.
Drilling bit.
Earth drilling bit.
Expansion bit.
Fish tail bit.
Reaming and counterboring bit.
Rock drilling bit.
Roller bit.
Roller core bit.
Rotary bit.
Rotary drill bit.
Self cooling, drilling and coring bit.
Well bit.
Well drilling bit.
Bit. S. Megaree. 1,875,195; Aug. 30.
Bit apparatus, Knock-over. C. C. Hilscher. 1,876,417; Sept. 6.
Bit attachment for bailers. G. W. Miller. 1,855,484; Apr. 26.
Bit boring machine, Multiple. C. P. Park. 1,888,566; Nov. 22.
Bit boring machine with reciprocating heads, Multiple. C. P. Park. 1,874,607; Aug. 30.
Bit, Detachable drill. C. W. De Witt. 1,884,601; Oct. 25.
Bit for deep well drilling. J. C. Lunsford. 1,858,744; May 17.
Bit for sand pumps, Clean-out. G. W. Miller. 1,889,865; Dec. 6.
Bit forging machine. L. Bortkewicz. 1,857,011; May 3.
Bit while the same is being sharpened, Holding and adjusting a drill. A. Gassmann. 1,856,829; May 3.
Bit with cutters having scraping and rolling motions. J. A. Zublin. 1,859,948; May 24.
Bit with hammering device, Rotary. J. A. Zublin. 1,861,042; May 31.
Bitumen, Cooling molten. L. Kirschbaum. 1,866,504; July 5.
Bitumen, Destructively distilling. G. Egloff. 1,868,737; July 26.
Bitumen, Destructively distilling. G. Egloff. 1,868,738; July 26.
Bitumen, Distilling. G. Egloff. 1,868,733–5; July 26.
Bitumen, Road composition and forming the same. S. S. Sadtler. 1,887,518; Nov. 15.
Bituminous dispersions and making the same. R. W. Lewis and A. Saunders. 1,869,382; Aug. 2.
Bituminous emulsion and producing. P. R. Smith. 1,888,295; Nov. 22.
Bituminous emulsions and products thereof, Making. L. Kirschbaum. 1,869,697; Aug. 2.
Bituminous emulsions, Method of and apparatus for producing. L. Kirschbaum. 1,866,503; July 5.
Bituminous material, Cracking. G. Egloff. 1,868,736; July 26.
Bituminous mixture. A. C. Fischer. 1,861,407; May 31.
Bituminous mixture for expansion joints and general construction work. A. C. Fischer. 1,881,436; Oct. 11.
Blackboard. C. H. Kraft. 1,865,863; July 5.
Blackboard. H. Kritze. 1,877,869; Sept. 13.
Blackboard, Portable. J. F. Johnson and R. B. Lawton. 1,881,636; Oct. 11.
Black print of tracing cloth and making same. K. Murck. 1,857,763; May 10.
Blade, Air inflated. W. A. Knauer. 1,872,459; Aug. 16.
Blade adjusting means, Propeller. J. Squires. 1,884,904; Oct. 25.
Blade, Cutting. M. Maag and R. Salomon. 1,870,819; Aug. 9.
Blade disks for radial admission turbines, Manufacture of. W. Kestert. 1,888,508; Nov. 22.
Blade, Folding. H. W. Wood. 1,870,544; Aug. 9.
Blade for drill bits, Interchangeable. J. E. Le Bus. 1,843,136; Feb. 2.
Blade for hack saws. H. Kinkel. 1,882,328; Oct. 11.
Blade for hair clippers, Adjustable stationary. L. J. Wahl. 1,861,616; June 7.
Blade for road scrapers. C. H. Brown and P. Frazier. 1,879,062; Sept. 27.
Blade for sickle bars. A. Thomas. 1,851,412; Mar. 29.
Blade for windshield wipers. L. M. Keefe. 1,839,484; Jan. 5.
Blade, Impeller. J. D. Beebe. 1,869,655; Aug. 2.
Blade lock for pocket knives. T. Champlin. 1,852,400; Apr. 5.

Blade making machine. H. J. Gaisman and C. Schumacher. 1,864,488; June 21.
Blade package. H. J. Gaisman. 1,869,311; July 26.
Blade, Razor. F. Nagel. Des. 85,987; Jan. 12.
Blade rotating mechanism. R. Yates. 1,878,358; Sept. 20.
Blade, Safety. R. E. Thompson. 1,846,622; Feb. 23.
Blade sharpening machine. W. E. Nickerson. 1,876,314; Sept. 6.
Blade sharpening machine. A. M. Runshang. 1,872,096; Aug. 16.
Blade sharpening machine, Razor. E. G. Gilson. Des. 86,395; Feb. 23.
Blade slope indicator. C. G. Schmid. 1,847,728; Mar. 1.
Blade structure for turbines. C. Lorenzen. 1,876,067; Sept. 6.
Blade system for turbines. A. Lysholm. Re18,485; May 31.
Blade, Tree-digger. W. E. Palmer. 1,840,126; Jan. 5.
Blades and handles of hollow handled knives, Apparatus for securing together the. C. R. Moon. 1,864,846; June 28.
Blades for aircraft, Rotative sustaining. J. de la Cierva. 1,884,598; Oct. 25.
Blades for tobacco stemming machines, Butting. C. W. Gooch and A. J. Marcotte. 1,881,496; Oct. 11.
Blades for turbine rotors. G. Köhler. 1,890,581; Dec. 13.
Blades, Making propeller. J. Squires. 1,884,903; Oct. 25.
Blades, Manufacture of fine edged. T. H. Frost. 1,887,504; Nov. 15.
Blades, Method and device for manufacture of windshield wiper. W. Anderson. 1,876,574; Sept. 13.
Blades of safety razors, Device for sharpening the. W. Barsch. 1,863,431; June 14.
Blades of scythes to die snaths, Fixing the. E. E. Ericsson. 1,880,943; Oct. 4.
Blanc fixe, Preparation of. W. Seguine, jr. 1,863,699; June 21.
Blanching and cleaning device. M. S. Carmichael. 1,871,359; Aug. 9.
Blank and collapsible box formed therefrom. W. S. Marr. 1,864,061; June 21.
Blank creasing and folding machine. H. L. Mitchell and R. C. Shepherd. 1,841,755; Jan. 19.
Blank cut-off and carry-over. W. L. Clouse. 1,856,028; Apr. 26.
Blank cutting machine. W. S. Elliot and F. A. Parkhurst. 1,880,935; Oct. 4.
Blank die machine elements and the like and making the same, Welded. E. Chapman. 1,888,027; Nov. 15.
Blank forming machine. E. W. Sibley. 1,845,203; Feb 16.
Blank heading machine. R. H. Smith. 1,878,196; Sept. 20.
Blanket, Press. W. Fennone. 1,891,150; Dec. 13.
Blanket to a printing press cylinder, Securing a. T. L. McElroy. 1,892,623; Dec. 27.
Blanks, Apparatus for and method of forming tubular. W. T. Graham. 1,873,276; Aug. 16.
Blanks, Cutting hexagonal. H. Zimmerman. 1,849,779; Mar. 15.
Blanks, Feed mechanism for. G. E. Snow. 1,852,221; Apr. 5.
Blanks for forgings, Handling cut. J. H. Friedman. 1,870,723; Aug. 9.
Blanks, Making tubular metal. J. W. Leighton. 1,854,411; Apr. 19.
Blanks, Method and apparatus for making laminated fibrous. E. P. Everett. 1,852,451; Apr. 5.
Blanks, Reducing and elongating tubular. S. E. Diescher. 1,870,209; Aug. 2.
Blanks, Waxing. M. H. Sidebotham. 1,892,083; Dec. 27.
Blanket. R. C. McIlroy. 1,885,015; Oct. 25.
Blanket, Baby. E. C. Snoddy. 1,863,256; June 14.
Blanket folding device. J. A. Caldwell. 1,850,994; Mar. 29.
Blanket, Printer's. C. Cattran. 1,853,258; Apr. 12.
Blast furnace. H. A. Strain and G. E. Steudel. 1,889,160; Nov. 29.
Blast furnace. P. Zimmerman. 1,855,462; Apr. 26.
Blast furnace test rod. E. M. Neely. 1,888,605; Nov. 22.
Blasting apparatus. A. W. Helmbolts and D. Ferrell. 1,881,564; Oct. 11.
Blasting assemblies. J. Swenehart. 1,885,447; July 5.
Blasting cap. C. H. Lickle. 1,856,103; May 3.
Blasting method and apparatus. C. E. Karstrom. 1,886,960; Nov. 8.
Bleacher construction. H. D. Oberdorfer. 1,875,115; Aug. 30.
Bleacher construction, Portable. L. M. Post. 1,839,410; Jan. 5.
Bleacher rest member. J. B. Patterson. 1,852,128; Apr. 5.
Bleacher seat. C. B. Leffert and C. H. Dietz. 1,859,233; Jan. 5.
Bleacher stand, Portable. T. O. Hoppes. 1,839,679; Jan. 5.
Bleaching agents, Composition of. R. Feibelmann. 1,890,603; Dec. 13.
Bleaching apparatus. W. P. Hornbuckle and R. F. Craig. 1,889,442; Nov. 29.
Bleaching methods and agent. P. E. Rollhaus and W. B. Stoddard. 1,854,764; Apr. 19.
Bleaching process. H. John. 1,872,743; Aug. 23.
Bleaching solution, Preparing. M. J. Engberg. 1,883,649; Oct. 18.
Bleeder for air headers. L. Buehler, jr., and C. J. Romberg. 1,866,449; July 5.
Bleeding machine. G. E. Whipple and L. Wilson. 1,850,685; Apr. 26.
Blending device. J. H. Will. 1,878,924; Sept. 20.
Blind. H. J. Mackin. 1,861,606; June 7.
Blind control, Venetian. S. B. Guisman. 1,848,742; Mar. 8.
Blind, Skylight. L. T. Ward. 1,888,522; Nov. 22.
Blind structure, Flexible. C. Bauer. 1,852,913; Apr. 5.
Blind, Sun. F. J. Dynsdale. 1,842,589; Jan. 26.
Blind, Transom. F. J. Burns. 1,871,035; Aug. 9.
Blind, Venetian. H. D. Forse. 1,855,346; Apr. 26.
Blind, Venetian. J. F. Rolph. 1,838,916; Jan. 5.
Blind, Venetian. L. J. Steffen. 1,846,228; Feb. 23.
Blind, Venetian. L. J. Steffen. 1,889,226; Nov. 29.
Blind, Venetian. T. Sugiura. 1,851,732; Mar. 29.
Blind, Window. J. E. Cooper. 1,854,543; Apr. 19.
Blinker, Electric. L. Ludwig. 1,875,625; Sept. 6.
Block: *See*—
Angle block.
Building block.
Chain block.
Charcoal block.
Check block.
Chock block.
Clamp block.
Composite friction block.
Composite paving block.
Construction block.
Crown block.
Die block.
Educational block.
Engine block.
Flashing block.
Fuller block.
Fuse block.
Hat block.
Insulating block.
Partition block.
Paving block.
Roll scouring block.
Safety fuse block.
Scotch block.
Sheave block.
Switch block.
Tackle block.
Take-up block.
Terminal block.
Toy building block.
Tunnel wall block.
Turbine nozzle block.
Tuyère block.
Block and the construction of floors and the like, Building. K. W. Jadgmann. 1,891,597; Dec. 20.
Block, bridging, and bracing, Metal fire. C. G. Eckel and R. V. Sheldon. 1,867,449; July 12.
Block for balers, Division. E. E. Wharton. 1,850,435; Mar. 22.
Block for heat exchange reaction, and absorption apparatus, Filling. H. Wilisch. 1,887,704; Nov. 15.
Block for printing. E. F. Treibar. 1,861,765; June 7.
Block handling device. C. G. Mortimer. 1,887,211; Nov. 8.
Block mold. E. E. Slick. 1,844,987; Feb. 16.
Block molding machine. F. J. Strauss. 1,849,883; Mar. 15.
Block of setting concrete, Method to cool the interior of a seamless. H. Sorensen. 1,889,268; Nov. 29.
Block printing machine. H. H. Miring. 1,858,216; Oct. 4.
Block sawing machine. R. F. Knight. 1,888,272; Nov. 22.
Block signal checking device for railroads. J. A. Borland. 1,880,739; Oct. 4.
Block structure, Hollow. P. C. Olsen. 1,877,953; Sept. 20.
Block system, Automatic. A. F. Dalmau. 1,845,132; Feb. 16.
Blood transfusion device. R. P. Kipp. 1,886,818; Nov. 8.
Blocking sheets for use in blotting pads, Device or means for protecting. H. Altcorn. 1,854,689; Apr. 19.
Blocks, Bloating and annealing cellular. S. Q. Lee and W. Hathaway. 1,877,138; Sept. 13.
Blocks, Forming self baking insulation. E. R. Powell. 1,881,932; Oct. 11.
Blocks, Making staple. P. F. Titchener. 1,883,113; Oct. 18.
Blocks, Molding bloated cellular. K. Slidell. 1,840,609; Jan. 12.
Blocks of earthy material, Bloating and annealing. O. W. Storey. 1,882,046; Oct. 11.
Blocks, Producing printing plate. H. W. Hacker. 1,872,572; Aug. 16.
Blood, Apparatus for testing. A. C. Merrick. 1,839,573; Jan. 5.
Blood, milk, and other suspensions by means of electric current, Method and apparatus for the determination of the concentration of. A. Shawkaski. 1,890,397; May 31.
Blood pressure lowering substance and producing it. R. H. Major. 1,872,775; Aug. 23.
Blood transfusion apparatus. J. W. Carpenter. 1,845,479; Feb. 16.
Blood transfusion, Intravenous medication and the like, Apparatus for use in. N. T. Owen. 1,845,024; Mar. 1.
Bloomers for women. M. D. Neilson. 1,891,774; Dec. 20.
Blooms for rolling, Preparation of. B. W. Dunham. 1,894,631; Oct. 25.
Blooms, slabs and billets, Making. H. M. Naugle and A. J. Townsend. 1,882,516; Oct. 11.
Blotter. J. Lascari. 1,839,564; Jan. 5.
Blotter, Finger supported. R. H. Cobb. 1,883,576; Oct. 18.
Blotter, Ink. U. I. Rikkonen. 1,864,094; June 21.
Blotting device. R. Ernst. 1,867,400; July 12.
Blouse. H. M. Grifenhagen. 1,843,717; Feb. 2.
Blouse. M. Pittman. Des. 87,354; July 12.
Blow-off, Automatic. T. E. Neal. 1,885,466; Nov. 1.
Blow out preventer. M. C. Inge. 1,889,393; Jan. 5.
Blow-out preventer. B. M. Jensen. Re18,655; Nov. 15.

Blowout preventer. J. R. Martin and W. E. King. 1,856,817; May 3.
Blowout preventer. C. A. Rasmussen and W. T. Trout. 1,872,498; Aug. 16.
Blowout preventer. W. A. Trout. 1,861,726; June 7.
Blow-out preventer. J. Young and W. B. Wigle. 1,867,045; July 12.
Blow out preventer and valve, Combined. W. E. King. 1,886,340; Nov. 1.
Blowout preventer and well sealing means. C. A. Rasmussen. 1,861,755; June 7.
Blow-out preventer attachment. J. H. Nicks and E. E. Mosher. 1,891,685-6; Dec. 20.
Blow out preventer or control head. M. C. Inge. 1,839,394; Jan. 5.
Blower, Boiler tube. O. K. Bogstrand. 1,888,214; Nov. 22.
Blower, Rotary. E. Mandler. 1,886,206; Nov. 1.
Blower. E. Mathis. 1,890,226; Dec. 6.
Blowpipe. F. S. Austin. 1,857,344; May 10.
Blowpipe. F. C. Hasse. 1,840,195; Jan. 5.
Blowpipe. R. J. Kehl. 1,862,055; June 7.
Blowpipe. J. L. Mandeville. 1,846,743; Feb. 23.
Blowpipe apparatus and method of cutting metal. G. I. Jones and J. H. Bucknam. 1,861,923; June 7.
Blowpipe cutting apparatus. M. Claude. 1,841,878; Jan. 19.
Blowpipe, Metal working. J. L. Mandeville and S. R. Oldham. 1,846,742; Feb. 23.
Blowpipes, Tip for. F. C. Hasse. 1,840,196; Jan. 5.
Blow striking implement. E. Bisschop, H. Ulbrich, and W. Wirth. 1,841,781; Jan. 19.
Blower. F. H. C. Coppus. 1,858,581; May 17.
Blower. H. Meachem. 1,880,101; Sept. 27.
Blower, Air conditioning. J. M. Le Grand. 1,877,905; Sept. 20.
Blower, Centrifugal. W. E. Trumpler. 1,857,486; May 10.
Blower dusting apparatus. C. D. Collins. 1,872,028; Aug. 16.
Blower for heating plants. S. Lauter. 1,879,342; Sept. 27.
Blower, Grain. O. N. Gredell. 1,850,545; Mar. 22.
Blower, Hot air. A. L. Stickley. 1,846,158; Feb. 23.
Blower, Motor driven. V. G. Apple. 1,853,160; Apr. 12.
Blower, Portable heat. A. A. Ryan. 1,869,737; Aug. 2.
Blower, Soot. F. Bowers. 1,865,080; June 28.
Blowers, Method and apparatus for controlling. P. E. Good. 1,854,354; Apr. 19.
Blowing device for lugged drill steels. G. M. Nell. 1,846,568; Feb. 23.
Blowing device for rock drills. L. C. Bayles. 1,865,009; July 5.
Blowing device for rock drills. E. B. Lear. 1,861,966; June 7.
Blowing preventative for paper machine felts. W. H. Millspaugh. 1,883,391; Oct. 18.
Blown ware or blown ware, Method and apparatus for completing pressed. R. J. Beatty. 1,857,491-2; May 10.
Blowtorch. J. F. Steffan and K. G. Rohrer. Des. 88,586; Dec. 6.
Blue dyeings on the fiber, Fast. H. Schweitzer. 1,878,548; Sept. 20.
Blue print and making the same. H. J. Brunk. 1,861,298; May 31.
Blue print machine. H. J. Brunk. 1,839,642; Jan. 5.
Blue printing. R. E. Ewell. 1,877,249; Sept. 13.
Blue printing machine. K. Murck. 1,861,607; June 7.
Blue sulphur color and making the same. G. Barnhart. 1,867,202; July 12.
Board: *See*—
Acoustical board.
Advertising and price display board.
Artificial board.
Building board.
Cloth board.
Composite board.
Cribbage board.
Directory board.
Display board.
Drawing board.
Folding board.
Game board.
Golf game board.
Indicator board.
Instrument board.
Instrument panel board.
Insulating board.
Ironer feed board.
Ironing board.
Lap board.
Mold board.
Mortar board.
Panel board.
Paper board.
Pin board.
Plaster board.
Production planning board.
Pulp board.
Rating board.
Reading board.
Running board.
See-saw board.
Shampoo board.
Sign board.
Sound board.
Steaming board.
Teeter board.
Tile board.
Visual information board.
Wall board.
Board and foot rest, Adjustable floor. S. L. Myatt. 1,879,418; Sept. 27.
Board and making the same, Mounted. K. L. Ozmun. 1,884,174; Oct. 25.
Board and manufacturing the same, Composition. B. D McIntyre. 1,844,854; Feb. 9.
Board, Apparatus for making pulp. H. C. Harvey. 1,881,548; Oct. 11.
Board clip, Wall and ceiling. C. Campbell. 1,846,383; Feb. 23.
Board for board drop hammers. W. Bender. 1,845,738; Feb. 16.
Board for container cars, Running. G. C. Woodruff. Re18,323; Jan. 5.
Board for harvesters, Divider. C. Pearson. 1,846,453; Feb. 23.
Board for printing presses, Feed. E. A. Bartel. 1,839,292; Jan. 5.
Board handling machine. W. Townley. 1,845,974; Feb. 16.
Board machine. C. L. Ellis. 1,879,143; Sept. 27.
Board, Making panel. E. C. Lathrop and F. A. Irvine. 1,881,418; Oct. 4.
Board, Making paper. C. L. Keller. 1,889,177; Nov. 29.
Board manufacture, Fiber. J. Carnie. 1,843,943; Feb. 9.
Board, Manufacturing corrugated plastic. H. Elmiger. 1,887,923; Nov. 15.
Board, Method of and apparatus for making wall. L. V. Robinson and G. W. Thomson. 1,880,188; Sept. 27.
Board or stand, Ironing. C. A. Rich. 1,871,202; Aug. 9.
Board structure, Panel. I. V. Cole. 1,886,466; Nov. 8.
Board transfer device. C. Absmeier. 1,871,832; Aug. 16.
Boards for farm wagon boxes, Shoveling or scoop. P. V. Troupe. 1,846,409; Feb. 23.
Boards or pieces to supports, Fastening. W. A. Adams. 1,854,241; Apr. 19.
Boat. A. P. Brush. 1,880,371; Oct. 4.
Boat. T. B. Collins. 1,875,190; Aug. 30.
Boat. T. B. Dewett. 1,844,924; Feb. 9.
Boat. C. D. Hanna. 1,845,495; Feb. 16.
Boat. E. Lilsanantti. 1,863,969; June 21.
Boat. D. W. MacCallum. 1,889,927; Dec. 6.
Boat. L. B. May. 1,843,574; Feb. 2.
Boat. L. P. Messenger. 1,889,868; Nov. 29.
Boat. G. G. Wehr. 1,886,507; Nov. 8.
Boat, Air. J. D. Clarke. 1,860,609; May 31.
Boat, Air. J. D. Clarke. 1,867,363; July 19.
Boat, Air cushion. D. K. Warner. 1,855,076; Apr. 19.
Boat and boat hull, Speed. T. B. Collins. Re18,340; Jan. 26.
Boat and operating the same. E. Easthope. 1,868,054; July 19.
Boat apparatus for lowering lifeboats to the water from ships. C. Sacerdoti. 1,892,586; Dec. 27.
Boat attachment. G. W. Cable. 1,840,185; Jan. 5.
Boat, Beach. R. J. Pocock. 1,852,025; Apr. 5.
Boat, Collapsible. A. Spitzer. 1,871,236; May 10.
Boat, Collapsible. W. L. McGrath. 1,884,792; Oct. 25.
Boat, Collapsible. J. Nowak. 1,863,498; June 14.
Boat construction. A. Bell. 1,879,581; Sept. 27.
Boat construction. A. G. Maranville. 1,848,018; Mar. 1.
Boat construction. J. H. Smedley. 1,880,366; Oct. 4.
Boat construction. H. B. Tobias. 1,852,493; Apr. 5.
Boat construction, Dredge. W. L. Holbrooks. 1,875,603; Sept. 6.
Boat construction, Speed. B. R. Batty. 1,858,030; May 10.
Boat, Convertible. L. S. Grogan. 1,846,963; Feb. 23.
Boat decking, flashing, and forming same, Waterproof. L. S. Case. 1,843,107; Feb. 2.
Boat engine. L. Spector. 1,863,810; June 21.
Boat, Flying. L. A. Sanders. 1,890,021; Dec. 6.
Boat, Foldable or collapsible. W. E. Elling. 1,868,280; July 19.
Boat, Folding. R. W. Post. 1,886,499; Nov. 8.
Boat handling apparatus. O. Carlson. 1,854,609; Apr. 19.
Boat hull and the like, Flying. G. Loening. 1,842,791; Jan. 26.
Boat, Hydraulically propelled life. C. M. Motte. 1,891,928; Dec. 20.
Boat, Inflatable. A. V. Anderson. 1,891,491; Dec. 20.
Boat, Inflatable or pneumatic. A. V. Anderson. 1,891,492; Dec. 20.
Boat installation, Motor. J. W. Harvey. 1,840,948-9; Jan. 12.
Boat meter. I. W. Masters. 1,885,933; Nov. 1.
Boat, Outboard motor. W. M. Conover. 1,861,048; May 31.
Boat, Pneumatic. W. E. Huffman. 1,884,705; Oct. 25.
Boat, Pontoon hydroplane. T. A. E. Lake. 1,846,602; Feb. 23.
Boat propeller unit. F. Herbst. 1,851,833; Mar. 29.
Boat propelling device. C. Rankes. 1,884,557; June 28.
Boat propelling mechanism. F. Hoffman. 1,848,718; Mar. 8.
Boat propelling mechanism, Small. S. Kohn. 1,843,823; Feb. 2.
Boat racing tank, Speed. R. J. Payne. 1,886,220; Nov. 1.
Boat, Sail. J. P. Fox. 1,885,247; Nov. 1.
Boat securing means, Life. W. R. Dean. 1,870,714; Aug. 9.
Boat, Speed. M. S. Lake. 1,840,725; Jan. 12.
Boat, Speed. J. Plum. 1,875,135; Aug. 30.
Boat structure, Amphibian. I. Sikorsky. 1,879,715; Sept. 27.
Boat, Submersible. Y. Kinoshita. 1,854,992; Apr. 19.
Boat top, Motor. K. M. Grier. 1,878,393; Sept. 20.
Boats, Device for pumping out. C. G. O. H. von Köhler. 1,877,210; Sept. 13.
Boats, Propelling and steering. G. Ranke. 1,863,940; June 21.
Boats Reversing mechanism for power. J. M. Ulrich. 1,867,427; July 12.
Bobbin. H. Lindsay. 1,846,524; Feb. 23.

Bobbin. F. W. McConnel and A. Humphries. 1,862,694; June 14.
Bobbin. J. G. Quigg. 1,842,113; Jan. 19.
Bobbin and making the same. R. N. Corthell. 1,866,622; July 12.
Bobbin boring machine. M. W. Hambleton and B. F. Morrill. 1,889,034; Nov. 29.
Bobbin-case retainer. J. C. Dobyne. 1,841,104; Jan. 19.
Bobbin drag arrangement for spinning and like textile frames. A. L. Benson. 1,876,445; Sept. 6.
Bobbin protector. B. F. Mack. 1,857,599; May 10.
Bobbin release for weft replenishing looms. W. H. King. 1,863,904; June 21.
Bobbin winder. R. S. Kelso. 1,848,352; Mar. 8.
Bobbins, Making spinning. H. Lampart. 1,848,786; Mar. 8.
Boiler at elevated temperatures, Forming cementitious. H. H. Steinour. 1,839,612; Jan. 5.
Bodies capable of a rising and falling movement, Device for balancing. H. R. and H. N. Webb. 1,860,873; May 31.
Bodies from aluminum oxide, Manufacture of. R. Reichmann. 1,877,531; Sept. 13.
Bodies from fiber pulp, Apparatus for the manufacture of hollow. C. Münze. 1,843,804; Feb. 16.
Bodies from fibrous pulp, Manufacture of hollow. E. Katz. 1,845,970; Feb. 16.
Bodies insoluble in water, Purifying. J. K. Mitchell. 1,880,968; Oct. 4.
Bodies, Insulating. R. Swinne. 1,855,562; Apr. 26.
Bodies, Manufacture of hollow. L. Becherau. 1,885,406; Nov. 1.
Bodies, Method of and apparatus for balancing rotatable. J. Lundgren. 1,860,257; May 24.
Bodies, Mounting rotatable. O. A. Krenke. 1,851,674; Mar. 29.
Bodies of vegetable fiber, Production of hard dense. W. H. Mason. 1,844,921; Feb. 9.
Bodies, Patterning metallic hollow and cylindrical. K. Takeda. 1,847,794; Mar. 1.
Bodies, Treating photo-sensitive. C. Rochrich. 1,885,063; Oct. 4.
Bodkin for drawing material through hollow hems. H. Heidrich. 1,891,815; Dec. 20.
Body and manufacturing the same, Porous. H. Ziegner. 1,856,684; May 3.
Body assembling apparatus. O. J. Groehn, L. L. Mitchell, and C. McIlvoy. 1,881,049; Oct. 11.
Body Ball cock. H. D. Clemmons. Des. 87,620–1; Aug. 23.
Body construction, Flexible. M. J. Daste. 1,889,058; Nov. 29.
Body fitted with collapsible or folding top, Motor car. H. Austin. 1,876,588; Sept. 13.
Body for couplings and the like and making same, Frictional. H. Kattwinkel. 1,846,560; Feb. 23.
Body for folding baby carriages. J. A. Mahr. 1,856,491; May 3.
Body for motor vehicles. A. H. Alexander. 1,873,990; Aug. 30.
Body, Forming a molded. H. Rumsey, jr. 1,849,438; Mar. 15.
Body panels, Method and apparatus for forming. O. J. Groehn. 1,851,517; Oct. 11.
Body pattern extractor. M. D. Smith. 1,873,227; Aug. 23.
Body, Perambulator. M. Fleishman and H. Fellman. 1,842,159; Jan. 19.
Body soldering apparatus, Can. J. F. Peters. 1,884,842; Oct. 25.
Bogie for railway and tramway cars, Sprung. A. Seidel. 1,881,189; Oct. 4.
Boiler: *See*—
Bent tube boiler.
Domestic boiler.
Drumless boiler.
Engine boiler.
Heating boiler.
High capacity boiler.
High pressure boiler.
Hot water boiler.
Liquid boiler.
Locomotive boiler.
Marine boiler.
Mercury boiler.
Multiple steam drum boiler.
Radiant heat boiler.
Rotating boiler.
Sectional boiler.
Steam boiler.
Steel boiler.
Superheater boiler.
Vertical tube boiler.
Waste heat boiler.
Water tube boiler.
Boiler. F. L. Baker. 1,839,911; Jan. 5.
Boiler. C. W. Barbbée. 1,868,445; July 19.
Boiler, C. W. Barbbée and B. Goerz. 1,885,175; Nov. 1.
Boiler. C. T. Carlson. 1,880,759; Oct. 4.
Boiler. M. Doerner. 1,860,495; May 31.
Boiler. G. W. Franzheim. 1,863,476; June 14.
Boiler. A. J. Gallaher. 1,886,387; Nov. 8.
Boiler. C. W. Jacobus. 1,873,706; Oct. 18.
Boiler. V. W. Hoxie. 1,882,847; Oct. 18.
Boiler. G. H. Hyde. 1,883,925; Oct. 25.
Boiler. L. Jacobus. 1,870,177; Aug. 2.
Boiler. A. T. Johanson. 1,851,707; Mar. 29.
Boiler. H. J. Kerr and C. U. Savoye. 1,883,380; Oct. 18.
Boiler. A. and J. B. Krier. 1,848,425; Mar. 8.
Boiler. C. B. Little and W. J. Haag. 1,870,059; Aug. 2.
Boiler. C. E. Lucke. 1,883,313; Oct. 18.
Boiler. A. Magis and A. Huef. 1,881,206; Oct. 4.
Boiler. J. C. Martin, jr. 1,885,931; Nov. 1.
Boiler. M. E. Miller. 1,853,372; Apr. 12.
Boiler. T. E. Murray. 1,864,966; June 21.
Boiler. T. E. Murray. 1,872,167; Aug. 16.
Boiler. T. E. Murray. 1,886,214; Nov. 1.
Boiler. C. A. Olson. 1,856,355; May 3.
Boiler. W. E. Stark. 1,855,778; Apr. 26.
Boiler. T. B. Stillman. 1,851,465–6; Mar. 29.
Boiler. W. R. Stockwell. 1,843,180; Feb. 2.
Boiler. G. Surprenant. 1,875,828; Sept. 6.
Boiler. J. A. Waddell. 1,854,084; Apr. 12.
Boiler. A. U. Wetherbee. 1,839,516; Jan. 5.
Boiler. P. Wright. 1,859,858; May 24.
Boiler and condenser for vapor from high boiling point liquids, Steam. W. A. Jones. 1,855,576; Apr. 26.
Boiler and economizer, Steam. C. E. Lucke. 1,883,312; Oct. 18.
Boiler and economizer, Water tube. C. E. Lucke. 1,854,704; Apr. 19.
Boiler and firing it, Steam. C. E. Lucke. 1,863,541; June 14.
Boiler and furnace, Water tube. D. S. Jacobus. 1,878,148; Sept. 20.
Boiler and superheater, Steam. H. J. Kerr. 1,858,363; May 17.
Boiler and supporting means for use therewith. W. H. Armacost. 1,881,161; Oct. 4.
Boiler attachment, Water heater. S. and C. Epstein. 1,873,638; Aug. 23.
Boiler casing. I. Harter. 1,879,610; Sept. 27.
Boiler cleaner. P. R. Alphonso. 1,875,407; Sept. 6.
Boiler cleaner. F. Bowers. 1,847,468; Mar. 1.
Boiler cleaner. F. Bowers. 1,877,719; Sept. 13.
Boiler cleaner. F. Bowers and N. L. Snow. 1,865,419; June 28.
Boiler cleaner. C. L. Howse. 1,847,483; Mar. 1.
Boiler cleaner. C. L. Howse and C. D. Lowell. 1,877,721; Sept. 13.
Boiler cleaner. C. L. Howse and N. L. Snow. 1,848,885; Mar. 8.
Boiler cleaner. G. I. Rawson. 1,877,722; Sept. 13.
Boiler cleaner. N. L. Snow. 1,847,417; Mar. 1.
Boiler cleaner. N. L. Snow. 1,847,418; Mar. 8.
Boiler cleaner. N. L. Snow. 1,849,853; Mar. 15.
Boiler cleaner. N. L. Snow. 1,877,148; Sept. 13.
Boiler cleaner. N. L. Snow. 1,886,060; Nov. 1.
Boiler cleaner. N. L. Snow, F. Bowers, and C. L. Howse. 1,870,182; Aug. 2.
Boiler cleaner. N. L. Snow and S. F. Cox. 1,843,790; Feb. 2.
Boiler cleaner. N. L. Snow and S. F. Cox. 1,847,447–8; Mar. 1.
Boiler cleaner. N. L. Snow and C. L. Howse. 1,847,416; Mar. 1.
Boiler cleaner. N. L. Snow and C. L. Howse. 1,848,807; Mar. 8.
Boiler cleaner. N. L. Snow, C. L. Howse and F. Bowers. 1,877,720; Sept. 13.
Boiler cleaner. J. H. Stockholder. 1,888,515; Nov. 22.
Boiler cleaner. W. P. Thomas. 1,840,544–5; Jan. 12.
Boiler cleaner. W. P. Thomas. 1,842,300; Jan. 19.
Boiler cleaner. W. P. Thomas. 1,847,454; Mar. 1.
Boiler cleaning apparatus. F. M. Harmon. 1,856,059; Apr. 26.
Boiler connection. V. Wilhelmi. 1,853,949; Apr. 12.
Boiler construction. F. J. Curran. 1,882,210; Oct. 11.
Boiler construction. F. J. Curran. 1,882,240; Oct. 11.
Boiler construction. H. E. Kiefel. 1,884,742; Oct. 25.
Boiler construction. W. F. McPhee. 1,865,939; July 5.
Boiler construction. W. E. Stark. 1,875,948; Sept. 6.
Boiler control apparatus. W. H. Green. 1,866,302; July 5.
Boiler control, Bifluid. H. H. Dow. 1,888,311; Nov. 22.
Boiler, especially marine boiler with indirect generation of the working steam, Steam. O. H. Hartmann. 1,881,545; Oct. 11.
Boiler feed apparatus. V. E. McCoy. 1,884,051; Oct. 25.
Boiler feed system, Automatic high pressure. F. M. Wooton and A. L. Davis. 1,887,000; Nov. 8.
Boiler feeder system, Mercury. H. J. Kerr. 1,883,302; Oct. 18.
Boiler feeding device. K. Rezsny. 1,888,016; Nov. 15.
Boiler for eggs, Steam. M. Mennicke. 1,850,131; Mar. 22.
Boiler for hot water and low pressure steam heating. J. Prinz. 1,865,958; July 5.
Boiler for waste heat especially from water gas, Vertical tube. G. A. Kunz. 1,846,428; Feb. 23.
Boiler furnace. C. A. Hulsart. 1,892,661; Dec. 27.
Boiler having horizontal headers, Mercury. H. J. Kerr. 1,883,301; Oct. 18.
Boiler installation. W. Siegerist. 1,887,141; Nov. 8.
Boiler installation, Two pressure. H. Peperkorn. 1,849,588; Mar. 15.
Boiler meter recorder. A. F. Spitzglass. 1,886,844; Nov. 8.
Boiler of the Yarrow type, Water tube. H. E. Yarrow. 1,875,792; Sept. 6.
Boiler operation. H. Kriegsheim. 1,841,825; Jan. 19.
Boiler section. W. E. Stark. 1,855,777; Apr. 26.
Boiler stand. L. W. Luff. 1,878,787–8; Sept. 20.
Boiler structure. F. R. Dravo. 1,859,619; May 24.
Boiler structure. J. P. Morley and S. J. Lonergan. 1,857,471; May 10.
Boiler tube and attachment therefor. A. D. Fest. 1,841,722; Jan. 19.
Boiler tube cleaner. F. H. Cole. 1,874,452; Aug. 30.
Boiler tube cleaner. F. H. Cole. 1,877,267; Sept. 13.

Boiler tube cleaner. D. W. Groves. 1,889,859; Dec. 6.
Boiler with forced return circulation through furnace walls. D. S. Jacobus. 1,883,293; Oct. 18.
Boiler with superheater and reheater, Steam. H. J. Kerr. 1,883,303; Oct. 18.
Boiler with superheater between boiler tubes, Series. D. S. Jacobus. 1,883,294; Oct. 18.
Boiler with water wall tubes. L. W. Heller. 1,882,422; Oct. 11.
Boilers for the combustion of wet fuel such as megass and the like, Apparatus for attachment to. R. von Mattenkofch. 1,842,277; Jan. 19.
Boilers, Solution feed for. V. L. Hollingsworth. 1,886,679; Nov. 8.
Boll weevil exterminating machine. M. G. Guerra. 1,849,425; Mar. 15.
Bolster and scale structures, Making. C. W. Tillmanns and C. Sohn. 1,843,884; Feb. 2.
Bolster, Car truck. C. W. Sherman. 1,873,055; Aug. 23.
Bolster cushion, Truck center. R. J. O'Brien. 1,879,437; Sept. 27.
Bolster end construction. H. E. Doerr. 1,878,473; Sept. 20.
Bolster, Equalizing. T. H. Symington. 1,888,940; Nov. 22.
Bolster for toy vehicles. C. C. Blackmore. 1,880,718; Oct. 4.
Bolster, Truck. D. S. Barrows. 1,852,393; Apr. 5.
Bolster, Truck. T. H. Symington and P. R. Dremning. 1,891,583; Dec. 20.
Bolster, Truck. T. H. Symington. 1,891,584; Dec. 20.
Bolster with lateral motion device. T. H. Symington. 1,848,282; Mar. 8.
Bolt; &c—
Expansion bolt. Toggle bolt.
Key bolt. Wear compensating bolt.
Latch bolt. Wheel bolt.
Latch or lock bolt. Window bolt.
Stay bolt.
Bolt. D. T. Dodd. 1,844,463; Feb. 9.
Bolt. P. H. Hutchings. 1,877,665; Sept. 13.
Bolt. A. L. Linderman and T. J. Maines. 1,857,388; May 10.
Bolt. O. E. Olson. 1,864,211; June 21.
Bolt anchor having a collapsible head. H. W. Pleister. 1,879,660; Sept. 20.
Bolt anchoring device. C. H. Shook. 1,848,497; Mar. 8.
Bolt and clamp. L. R. Hand and L. A. Eyster. 1,870,112; Aug. 2.
Bolt and nut lock. N. R. Lillig. 1,891,563; Dec. 20.
Bolt for assembling structures. T. L. E. Haug. 1,854,737; Apr. 19.
Bolt for automatic firearms, Breech. R. von Frommer. 1,886,609; Nov. 8.
Bolt heading machine. L. L. Roberts. 1,878,183; Sept. 20.
Bolt holding devices, Making. E. C. Baynes. 1,876,386; Sept. 6.
Bolt lock. C. H. Nehls. 1,881,866; Oct. 11.
Bolt nutting machine, Semi-automatic. B. M. Sawyer. 1,870,530; Aug. 9.
Bolt operating mechanism for locks. O. D. von Mehren. 1,876,803; Sept. 13.
Bolt or similar article, Screw. H. Rosenberg. Des. 88,175–6; Nov. 1.
Bolt remover, Perch. H. W. Kulp and M. C. Dellinger. 1,879,334; Sept. 27.
Bolt, Safety. A. L. Shook. 1,869,947; Aug. 2.
Bolt support for trolley frame. W. H. Juergens. 1,867,410; July 12.
Bolts, Floating keeper for lock and latch. E. R. Mitchell. 1,886,494; Nov. 8.
Bomb, Demolition. O. A. Ross. 1,863,766; June 21.
Bomb, Incendiary. T. P. Duncan, jr. 1,877,232; Sept. 13.
Bomb rack for aeroplanes, Elevator. R. E. Bollam. 1,890,142; Dec. 6.
Bomb sight adjustment and rudder control. M. F. Bates. 1,880,671; Oct. 4.
Bomb-thrower divisible in two parts adapted to be carried on man's back. D. Samala. 1,850,034; Mar. 15.
Bonded products, Producing refractory acid-proof and other ceramically. H. Ackermann. 1,856,613; May 3.
Boning table. L. L. Wheeler and J. E. Carpenter, jr. 1,856,302; May 3.
Book. A. Steinthal. 1,868,029; July 19.
Book and the like, Manifolding. A. E. Lawson. 1,842,032; Jan. 19.
Bookbinder stitcher. P. E. Kleineberg. 1,864,739; June 28.
Bookbinding. R. C. Baker. 1,870,482; Aug. 9.
Book binding. J. A. Maddox. 1,845,612; Feb. 16.
Bookbinding machine. R. P. Kusch. 1,879,757; Sept. 27.
Bookbinding machine. W. C. Schmidt. 1,861,325; May 31.
Bookbinding machine. E. R. Seiter. 1,882,044; Oct. 11.
Book binding machinery. W. C. Schmidt. 1,864,766; June 28.
Book, Deposit. E. A. Kelly. 1,859,041; May 17.
Book end. P. Gischlar and S. Cozatchy. Des. 86,451; Mar. 8.
Book-end. C. A. Hedegard. Des. 87,718; Sept. 6.
Book end. G. Moss. Des. 86,794; Apr. 19.
Book end or similar article. W. von Nessen. Des. 88,832–4; Dec. 27.
Book ends. W. Riddel. 1,876,346; Sept. 6.
Book feeding device. H. Sieb. 1,888,715; Nov. 22.
Book headbanding machanism. A. Breidenberg. 1,874,165; Aug. 30.
Bookholder. W. V. Johnson. 1,882,639; Oct. 11.
Book, Indexed. F. H. Ellison. 1,866,968; July 12.
Bookkeeping machine, Automatic. R. L. Muller. 1,854,216; Apr. 19.
Bookkeeping without re-entries, Device for. R. De Wael. 1,841,014; Jan. 12.
Book, Loose leaf. J. Schade. 1,840,743; Jan. 12.
Book, Loose leaf. F. S. Schade. 1,872,824; Aug. 23.
Bookmaking apparatus. L. L. Clark. 1,865,557; July 5.
Book, Manifold sales. L. Huffman. 1,887,594; Nov. 15.
Book, Manifolding. C. W. Brenn. Re18,509; June 28.
Book, Manifolding. C. W. Brenn. 1,848,459; Mar. 8.
Book, Manifolding check. A. R. Lawson. 1,879,347; Sept. 27.
Book, Manifolding sales. L. Huffman. 1,882,384; Oct. 11.
Bookmark. K. Gross. 1,862,573; June 14.
Book mark. I. Hodman. 1,847,184; Mar. 1.
Book mark and clip, Combination. P. Krasnow. 1,878,861; Sept. 20.
Book, March. S. Moriya. 1,849,432; Mar. 15.
Book or binder. H. Auburn. 1,890,139; Dec. 6.
Book, Pass. L. C. Walker. 1,843,998; Feb. 9.
Bookrack. W. E. Hinskin. 1,891,814; Dec. 20.
Bookrack. E. H. Jaquith. 1,891,420; Dec. 20.
Book, Ring. H. R. McCleary. 1,889,560; Nov. 29.
Book, Scrap. E. Hedmark. 1,852,908; Apr. 5.
Bookshelf. F. W. Bailey. 1,853,940; Apr. 12.
Book signature feed. W. I. Thompson. 1,868,929; July 26.
Bookstand. G. W. Aldeen and A. A. Carlson. 1,862,562; June 14.
Book stand. W. J. Dennis. 1,840,620; Jan. 12.
Bookstand. W. Utrecht. 1,880,602; Oct. 4.
Bookstand. R. Waples. 1,875,785; Sept. 6.
Book supporting rack, Adjustable. N. S. Welk and D. R. Zenner. 1,875,256; Aug. 30.
Booking mechanism for radiator core making machines. T. M. Diver. 1,859,383; May 24.
Books and the like, Method of and apparatus for reading. G. Sebille. 1,889,575; Nov. 29.
Books, Arrival notice. J. B. Hannan. 1,884,669; Oct. 25.
Books, Binding. W. L. Sexton. 1,858,685; May 17.
Books, Manufacture of. A. Bredenberg. 1,867,803; July 19.
Boom. F. H. Lovejoy. 1,875,061; Aug. 30.
Boom attachment for tractors. M. Berg. 1,855,217; Apr. 26.
Boom, Automatic hoist. C. D. Ginter. 1,871,603; Aug. 16.
Boom, Drag line extension. J. D. Cummings. 1,852,003; Apr. 5.
Boom swinging apparatus. G. A. McWilliams. 1,885,937; Nov. 1.
Booster actuating mechanism for pressing machines. E. Davis. 1,873,293; Aug. 23.
Booster brake. L. Blackmore. 1,863,825; June 21.
Booster for exhaust steam. B. S. Nelson. 1,875,754; Sept. 6.
Booster for loose leaf metals. E. W. Carpenter. 1,876,569; Sept. 13.
Booster mechanism, Hydraulic. J. O. Almen. 1,848,923; Mar. 8.
Boot. J. T. Crowley. 1,874,461; Aug. 30.
Boot, Adjustable. R. Klomparens. 1,851,679; Oct. 11.
Boot and making same, Form fitting rubber. G. L. Van Dinter and C. Ferrettie. 1,890,890; Dec. 13.
Boot and shoe. H. C. P. Randall. 1,860,689; May 31.
Boot and shoe tree, Combination. W. O. Welskotten. 1,862,168; June 7.
Boot cleaner. G. J. Kadavy. 1,870,333; Aug. 9.
Bootjack. A. J. Churchill. 1,863,282; Mar. 15.
Bootjack. W. W. Hood. 1,866,705; July 12.
Boot or shoe and shank stiffener therefor. R. C. Rhoades. 1,852,822; Apr. 5.
Boot or shoe, Athletic. R. McC. Dobbie. 1,846,633; Feb. 23.
Boot, Rubber. G. L. Van Dinter. Des. 87,096; May 31.
Boot top. J. H. Hirschin. 1,851,629; Mar. 29.
Boot tree. F. R. Maier. 1,866,859; July 12.
Boot with flexible top, Molded rubber. L. H. Burnham. 1,860,493; May 31.
Booth construction. J. Judelson. 1,857,913; May 10.
Booth for banks, Protective. W. H. Inman and H. A. Fritzsche. 1,864,497; June 21.
Booth, Safety. A. Schulz. 1,840,980; Jan. 12.
Booth, Telephone. O. Gullicksen. 1,885,432; Nov. 1.
Boots and shoes, Stiffening part of. J. Fausse and A. H. Bonfort. 1,889,194; Nov. 29.
Boots, Making rubber. L. H. Burnham. 1,885,327; Nov. 1.
Boots, Shaping riding. J. A. Frazier. 1,878,391; Sept. 20.
Borax. Separating. J. R. Hughes. 1,889,989; Dec. 6.
Bore holes, Apparatus for determining the vertical deviation of. W. F. Rogers. 1,859,222; May 17.
Boreholes, Drilling of. A. E. Atkinson. 1,848,762; Mar. 8.
Bore holes, Method and apparatus for surveying. I. Roman. 1,877,593; Sept. 13.
Bore holes with water, and working same, Method of. Loading. O. F. Borchgrevink. 1,841,874; Jan. 19.
Borer, Gang. J. H. Mansfield. 1,852,124; Apr. 5.

Boring and drilling device. H. W. Haynie. 1,861,632; June 7.
Boring and grinding machine. S. Fryckberg. 1,844,316–17; Feb. 9.
Boring bar for use upon pipe coupling blanks or the like. W. G. Benninghoff. 1,890,452; Dec. 13.
Boring drill, Roller cutter. C. E. Reed. 1,860,953; May 31.
Boring head. R. L. Hibbard. 1,861,498; June 7.
Boring head, Adjustable. F. D. VanNorman. 1,870,350; Aug. 9.
Boring machine. J. S. Barnes and R. B. Billingham. 1,880,666; Oct. 4.
Boring machine. K. F. Gallimore. 1,858,491; May 17.
Boring machine. A. J. Johnson. 1,848,725; Mar. 8.
Boring machine. E. T. Shinn. 1,855,999; Apr. 26.
Boring machine. A. Storm. 1,862,866; June 14.
Boring machine. S. Wagner. 1,889,136; Nov. 29.
Boring machine and derrick apparatus, Combined earth. T. C. Smith and J. B. Spowart. 1,887,172; Nov. 8.
Boring machine and method. E. A. Carp. 1,868,440; July 19.
Boring machine, Deep. W. Zimmerman. 1,848,039; Mar. 1.
Boring machine, Vertical foundation. E. Shinn. 1,883,013; Oct. 18.
Borings, Melting metal. E. L. Crosby and A. E. Rhoads. 1,871,805; Aug. 9.
Botting apparatus. M. O'Hare. 1,841,202; Jan. 12.
Bottle. Arrosa. See 87,424; July 26.
Bottle. J. W. Bicks. Des. 86,657–8; Apr. 5.
Bottle. M. T. Brekke. Des. 87,426; July 26.
Bottle. W. A. Clark. Des. 87,367; June 28.
Bottle. Z. H. Confair. Des. 86,906; May 10.
Bottle. H. T. Cumming. Des. 87,048; May 31.
Bottle. A. G. de Penzuon. Des. 86,222; Feb. 16.
Bottle. P. C. Delaize. Des. 87,205; June 21.
Bottle. P. C. Delaize. Des. 88,504; Dec. 6.
Bottle. P. Delich. Des. 86,702; Apr. 12.
Bottle. M. B. de Wagner. Des. 86,013; Jan. 19.
Bottle. E. W. Fuerst. Des. 85,925; Jan. 5.
Bottle. E. W. Fuerst. Des. 86,017; Jan. 19.
Bottle. E. W. Fuerst. Des. 86,599; Feb. 23.
Bottle. E. W. Fuerst. Des. 87,255; June 28.
Bottle. E. W. Fuerst. Des. 87,777; Sept. 20.
Bottle. E. F. Furst. Des. 88,076; Oct. 25.
Bottle. E. W. Fuerst. Des. 88,225; Nov. 8.
Bottle. W. H. Gesell. Des. 87,716; Sept. 6.
Bottle. G. T. Gibson. Des. 87,482; Mar. 22.
Bottle. C. L. Grigg. Des. 86,163; Feb. 9.
Bottle. R. Guerlain. Des. 87,342; July 12.
Bottle. A. H. Holmes. Des. 86,012; Jan. 19.
Bottle. C. G. Humphreys. Des. 86,570; Mar. 22.
Bottle. M. Joseph. Des. 87,064; May 31.
Bottle. F. Keating. Des. 86,460; Mar. 8.
Bottle. J. M. Kennedy. Des. 1,887,951; Nov. 15.
Bottle. J. F. Koeppen. Des. 88,233; Nov. 8.
Bottle. S. Lenzner. Des. 87,788; Sept. 20.
Bottle. H. J. Linsenbarth. Des. 86,088; Jan. 26.
Bottle. C. D. Little. Des. 86,036; Jan. 19.
Bottle. F. L. Lloyd. Des. 86,037; Jan. 19.
Bottle. W. B. Marble. Des. 88,301; Nov. 22.
Bottle. P. W. Marsbburn and M. T. Brekke. Des. 87,397; July 19.
Bottle. G. N. Mas. Des. 86,680; Apr. 5.
Bottle. G. N. Mas. Des. 86,849–50; Apr. 26.
Bottle. W. M. McCormick. Des. 88,737; Dec. 20.
Bottle. A. T. Mezquita. Des. 88,428; Nov. 29.
Bottle. C. W. Miller. Des. 87,720; Sept. 6.
Bottle. J. W. Moore. Des. 88,429; Nov. 29.
Bottle. M. H. Mullen. Des. 87,674; Aug. 30.
Bottle. F. E. Nelson. Des. 86,177; Feb. 9.
Bottle. F. W. Nitardy. Des. 86,629; Mar. 29.
Bottle. F. W. Nitardy. Des. 87,401; July 19.
Bottle. J. N. Peregoy. Des. 87,238; June 21.
Bottle. A. Plattring. 1,841,980; Jan. 19.
Bottle. W. J. Popp. Des. 87,853; Sept. 27.
Bottle. J. Quinn. Des. 87,854; Sept. 27.
Bottle. C. J. Root. Des. 86,746; Apr. 12.
Bottle. G. Schoenfeld. Des. 87,135; June 7.
Bottle. F. E. Sessions. Des. 88,225; Nov. 15.
Bottle. S. de Vaulchier. Des. 88,690; Dec. 13.
Bottle. L. B. Webster. Des. 86,342; Feb. 23.
Bottle. L. B. Webster. Des. 86,439; Mar. 8.
Bottle and cap therefor. C. M. Kruger. 1,861,016; May 31.
Bottle and closure cap, Combination. M. Joseph. Des. 86,724; Apr. 12.
Bottle and closure cap, Combination. M. Joseph. Des. 86,841; Apr. 26.
Bottle and container therefor, Combination perfume. F. N. Lewis. Des. 87,968; Oct. 18.
Bottle and eye cup, Combined. B. L. Schaefer. 1,846,763; Feb. 23.
Bottle and nipple holder, Combined nursing. H. D. Welsberg. 1,890,482; Dec. 13.
Bottle box. J. L. Lowman. 1,884,019; Oct. 25.
Bottle cap. E. S. Bellows. 1,863,081; June 14.
Bottle cap. B. F. Conner. Des. 86,876; May 3.
Bottle cap. B. F. Conner. Des. 88,400–4; Nov. 29.
Bottle cap. B. F. Conner. Des. 88,452–3; Nov. 29.
Bottle cap. B. E. Conner. Des. 88,755; Dec. 27.
Bottle cap. R. A. Graham. 1,862,820; June 14.
Bottle cap. D. M. Kiyotn. 1,845,754; Feb. 16.
Bottle cap. C. W. Lindsay. 1,861,603; June 7.
Bottle cap. W. E. Richter. 1,842,570; Jan. 26.
Bottle cap. E. M. Y. Sali. 1,857,793; May 10.
Bottle cap. M. J. Shoemaker. 1,877,606; Sept. 13.
Bottle cap. H. Spencer. 1,879,640; Sept. 27.
Bottle cap and stopper. J. U. Duffy and J. H. Richards. Re18,669; Nov. 29.
Bottle cap assembling machine. A. Weisenburg. 1,858,695; May 17.
Bottle cap, Milk. R. H. Mergenthein. 1,890,691; Dec. 13.
Bottle cap reforming device. M. E. Bean and W. W. Herbst. 1,840,428; Jan. 12.
Bottle cap remover. J. W. Swenson. 1,891,030; Dec. 13.
Bottle cap wrench. S. Lawler 1,853,735; Apr. 12.
Bottle capper. J. J. Balaun. 1,882,781; Oct. 18.
Bottle capper. L. E. Greenman. 1,866,255; July 5.
Bottle capper. E. and R. A. Manning. 1,888,279; Nov. 22.
Bottle capping. E. S. Church. 1,848,695; Mar. 8.
Bottle capping machine. C. F. Bacon. 1,855,465; Apr. 26.
Bottle capping machine. E. H. Carruthers. 1,856,827; May 3.
Bottle carrier. R. R. Smith and A. R. Carr. 1,874,132; Aug. 30.
Bottle carrier, Milk. R. A. Hood and J. J. Shickluna. 1,863,136; June 14.
Bottle-charging mechanism. J. R. Gruetter. 1,859,238; May 17.
Bottle cleaner. E. Bartlett. 1,851,079; Mar. 29.
Bottle cleaning apparatus. J. R. Gruetter. 1,870,503; Aug. 9.
Bottle closure. H. T. Griswold. Des. 86,164; Feb. 9.
Bottle closure. F. J. Kaps. 1,867,570; July 19.
Bottle closure. P. T. McAvoy. 1,886,347; Nov. 1.
Bottle closure. A. H. Warth. 1,861,589–90; June 7.
Bottle closure and liquid dropper. T. J. Dykema. 1,843,812; Feb. 2.
Bottle closure and pouring spout. P. H. Flautt. 1,845,065; Feb. 16.
Bottle closure and sediment trap. N. J. Leavy. 1,865,023; June 28.
Bottle closure applying means. F. L. Darling. 1,873,113; Aug. 23.
Bottle closure with means for removing the paper covers. R. Hagebusch. 1,886,805; Nov. 8.
Bottle corking machine. G. J. Meyer. 1,870,373; Aug. 9.
Bottle crowning machine. J. Kantor. 1,863,223; June 14.
Bottle device, Nursing. W. D. Forbes. 1,884,643; Oct. 25.
Bottle, Fancy. F. E. A. W. Bergaud. Des. 88,067; Oct. 25.
Bottle feeding means. O. Dreher. 1,880,243; Oct. 4.
Bottle filler and capper. R. T. Salsbury. 1,866,673; July 12.
Bottle filling and crowning machine. V. J. Mohler. 1,882,860; Oct. 11.
Bottle filling and crowning machine. H. M. Ross. 1,874,353; Aug. 30.
Bottle filling machine. J. E. Henes. 1,843,363; Feb. 2.
Bottle filling machine. J. Kantor and C. H. Miller. 1,862,090; June 7.
Bottle filling machine, Automatic. J. Kantor. 1,847,485; Mar. 1.
Bottle handle. L. E. Little and H. T. Maib. 1,861,806; June 7.
Bottle handling mechanism. J. R. Gruetter. 1,870,504; Aug. 9.
Bottle, Hot water. J. Whitcomb. Des. 86,499; Mar. 8.
Bottle, Hot water. J. Whitcomb. Des. 86,693; Apr. 5.
Bottle, Hot water. J. H. Whitcomb and N. V. Wagner. Des. 87,495; Aug. 2.
Bottle, Inkwell. H. J. Ford. Des. 87,108; June 7.
Bottle, jar, and other similar vessels. F. L. Darling. 1,863,102; June 14.
Bottle labeling machine. E. Ermold. 1,871,677; Aug. 16.
Bottle lock, Neck grip automatic milk. O. B. Boarts. 1,851,891; Mar. 29.
Bottle making machine. J. L. Bacon and F. H. Lobb. 1,882,172; Oct. 11.
Bottle making machine. S. L. Sears. 1,849,555; Mar. 15.
Bottle, Measuring. H. F. Dyck. 1,840,190; Jan. 5.
Bottle, Milk. G. B. Lake. 1,886,698; Nov. 8.
Bottle neck ring and making same. R. Oliver and G. R. Penn. 1,877,144; Sept. 13.
Bottle, Non-refillable. J. Duponti. 1,873,830; Aug. 23.
Bottle, Nonrefillable. G. H. Erdner. 1,842,594; Jan. 26.
Bottle, Nursing. C. J. Andrews. 1,841,516; Jan. 19.
Bottle, Nursing. J. P. Fegely. 1,877,832; Sept. 20.
Bottle, Nursing. L. Fort. 1,859,733; May 24.
Bottle, Nursing. A. E. Rogers. 1,863,283; June 14.
Bottle opener. A. J. Flauder. Des. 87,567; Aug. 16.
Bottle opener. O. Halvorsen. Des. 87,212; June 21.
Bottle or jar cap. F. Neubauer. 1,859,710; May 24.
Bottle or similar article. H. C. Berkowitz. Des. 88,745; Dec. 27.
Bottle or similar article. E. E. Bilby. Des. 86,659; Apr. 5.
Bottle or similar article. P. Buchbinder. Des. 85,595; Mar. 29.
Bottle or similar article. E. W. Fuerst. Des. 87,834; Sept. 27.
Bottle or similar article. R. Lalique. Des. 86,033; Jan. 19.
Bottle or similar article. R. Lalique. Des. 86,244; Feb. 16.

Bottle or similar article. P. E. Lehman. Des. 88,098–101; Oct. 25.
Bottle or similar article. E. E. Kohn. Des. 88,152; Nov. 1.
Bottle or similar article. R. Samuels. Des. 85,094; Jan. 26.
Bottle or similar article of manufacture. J. E. Laird. Des. 86,845; Apr. 26.
Bottle or similar container. F. S. Barbiers. Des. 87,142; June 14.
Bottle or similar container. E. W. Fuerst. Des. 87,302; July 5.
Bottle or similar container. E. H. Jacobsohn. Des. 87,214; June 21.
Bottle or similar container. F. C. Reilly. Des. 86,979; May 17.
Bottle or the like. B. Domont. Des. 86,155; Feb. 9.
Bottle package. H. B. Goodman. 1,890,942; Dec. 13.
Bottle, Paper. F. Brown. 1,841,934; Jan. 19.
Bottle, Paper. E. J. Kleess. 1,892,466; Dec. 27.
Bottle, Prescription. W. A. Nester. Des. 87,375; Oct. 18.
Bottle protector. C. W. Glaeser. 1,890,323; Dec. 6.
Bottle rack. W. H. Matthal. 1,888,324; Nov. 22.
Bottle, Refrigerator. R. H. Dallas. Des. 87,624; Aug. 23.
Bottle, Sanitary milk. F. Husa. 1,841,265; Jan. 12.
Bottle sealing machine, Vacuum. M. P. Wetmore. 1,869,533; Aug. 2.
Bottle, Siphon. C. G. Towne. Des. 88,272; Nov. 8.
Bottle soaking and cleaning machine. G. J. and G. L. N. Meyer. 1,893,917; Apr. 12.
Bottle stopper. J. Birrell. 1,845,698; Feb. 16.
Bottle stopper. H. C. Lohman. 1,866,313; July 5.
Bottle stopper. L. Morosini and J. Arico. 1,853,073; Apr. 12.
Bottle-type water cooler. S. J. Benn. Des. 87,902; Oct. 11.
Bottle unloader. J. Hand. 1,846,866; Feb. 23.
Bottle washing and brushing machine, Automatic. R. E. Miller. 1,877,682; Sept. 13.
Bottle washing machine. J. S. Herrmann. 1,862,307; June 7.
Bottle washing machine. W. Simonsson. 1,879,770; Sept. 27.
Bottles and jars, Mechanism for handling. J. R. Hoge and L. D. Soubier. 1,845,839; Feb. 16.
Bottles and similar articles, Manufacture of glass. T. C. Moorehead. 1,879,709; Aug. 30.
Bottles and the like, Wrapping and packing. A. L. Bobrick. 1,867,561; July 19.
Bottles, Attachment for link. G. S. Walker. 1,842,852; Jan. 26.
Bottles, Cleaning. K. Kiefer. 1,880,257; Oct. 4.
Bottles from bottle-forming machines, Transferring. A. D. R. Tucker. 1,867,785; July 19.
Bottles, Identifying the contents of. K. Kishida. 1,842,987; Jan. 26.
Bottles, Pushing glass. E. Roirant. 1,888,393; Nov. 22.
Bottles, System and apparatus for handling. C. H. Loew. 1,853,222; Apr. 5.
Bottles, vessels, and the like, Filling and sealing. A. Böhmer and G. Gebhardt. 1,889,629; Nov. 29.
Bottom construction for bedsprings and the like. R. Ferguson. 1,852,511; Apr. 5.
Bottom for couches and like furniture, Resilient. J. Kronheim. 1,874,049; Aug. 30.
Bottom hole flow bean, Adjustable. E. L. Davenport and G. C. Jackson. 1,860,080; May 24.
Bottom, Resilient. J. Kronheim. 1,890,089; Dec. 6.
Bought, Pail, and the like and making same, Medicinal. O. Neubert. 1,858,108; May 10.
Bouncer, Child's. F. Huerlin. 1,861,661; June 7.
Bow. R. H. Cowdery. 1,877,273; Sept. 13.
Bow and arrow stand, Collapsible. H. J. Slater. 1,851,779; Mar. 29.
Bow, Archer's. G. B. Barnhart. 1,853,294; Apr. 12.
Bow, Archer's. C. J. Cameron. 1,847,593; Mar. 1.
Bow for archery. R. H. Cowdery. 1,848,768; Mar. 8.
Bow-shuttle, Multiple. H. Klahre. 1,865,062; July 26.
Bowl and collapsible base. R. A. Love. 1,853,132; Apr. 12.
Bowl and supporting the same, Watering. R. H. Brown. 1,877,788; Sept. 27.
Bowl and tank structure, Combination closet. C. H. Zwermann. 1,869,401; Aug. 2.
Bowl and tank, Unified water closet. G. Brain. Des. 86,995; May 24.
Bowl, Aquarium. T. W. McCreary. Des. 86,325; Feb. 23.
Bowl classifier. H. W. Newton. 1,881,875; Oct. 11.
Bowl construction, Scraper. C. E. Ball. 1,886,780; Nov. 8.
Bowl, Drinking fountain. A. G. Haws. Des. 87,919; Oct. 11.
Bowl, Fish. C. M. Wilde. Des. 85,002; Jan. 12.
Bowl for a fruit juice extractor. M. W. McArdle. Des. 87,228; June 21.
Bowl for coffee makers, Lower. F. E. Wolcott. Des. 87,655; Aug. 23.
Bowl for coffee makers, Upper. F. E. Wolcott. Des. 86,427; Mar. 1.
Bowl for heaters, Heat reflecting and conducting. W. S. Brenner. 1,879,970; Sept. 27.
Bowl, Non-tipping finger. N. M. Saraceno. 1,852,981; Apr. 5.
Bowl or similar article. E. W. Newton. Des. 86,627; Mar. 29.
Bowl or similar article, Sugar. Y. Buma. Des. 86,216; Feb. 16.
Bowl or similar article, Sugar. R. E. Patten. Des. 88,438; Nov. 29.
Bowl, Pipe. H. Gauvin. 1,886,391; Nov. 8.
Bowl, Sugar. L. Spino. Des. 86,284; Feb. 16.
Bowl, Toilet. S. Alberts. 1,863,682; June 21.
Bowl, Toilet. F. Piper. 1,857,328; May 10.
Bowl, Ventilating lavatory. L. Hanson. 1,885,715; Nov. 1.
Bowl with hydraulic drier, Sanitary. F. Guidetti and G. Bontempi. 1,887,679; Nov. 15.
Bowl with spray receptor, Closet. L. B. Stine. 1,878,910; Sept. 20.
Bowls, Making fish. A. Jenkins. 1,870,363; Aug. 9.
Bowling alley. O. W. and M. J. Blanchard. 1,859,284; May 24.
Bowling alley. F. J. Miller. 1,892,315; Dec. 27.
Bowling alleys, Pin setting device for. R. A. Williams. 1,852,870; Apr. 5.
Bowling pin rejuvenator. J. C. Taylor. 1,890,422; Dec. 6.
Bowsprit of a sailboat, Mechanism for angular adjustment of the. G. I. Rockwood. 1,891,555; Dec. 20.
Box; *See*—
Ammunition feed box.
Arc box.
Artistic box.
Battery box.
Battery displacement box.
Bill box.
Bottle box.
Bread box.
Car journal box.
Carburizing box.
Cardboard box.
Casket box.
Casting box.
Cigar box.
Cigarette and cigar box.
Coin box.
Cold storage box.
Collapsible box.
Collapsible paper box.
Color box.
Compartment box.
Composite box.
Conduit box.
Convertible box.
Core box.
Coursing starting box.
Cut out box.
Cutter box.
Delivery box.
Dispensing box.
Display box.
Driving box.
Exhaust box.
Fire alarm succession box.
Fire box.
Fishing box.
Floor box.
Flower box.
Flush box.
Folded box.
Folding box.
Fuel box.
Fuse box.
Gear box.
Guide box.
Handle box.
Hinged box.
Ice box.
Instrument sterilizer box.
Jewelry box.
Journal box.
Junction box.
Knockdown box.
Locomotive driving box.
Lunch box.
Mail box.
Mailing box.
Metal box.
Metallic box.
Meter and connection box.
Meter connection box.
Miter box.
Musical box.
Outlet box.
Package box.
Packing box.
Paper board box.
Paper box.
Plant box.
Powder box.
Radiator crank box.
Refrigerating box.
Rural mail box.
Service box.
Shipping and display box.
Shipping and feeding box.
Slack box.
Slip-joint fill box.
Sound film box.
Stone box.
Strong box.
Stuffing box.
Switch box.
Tackle box.
Telephone call box.
Terminal box.
Theatrical make-up box.
Tote box.
Vanity box.
Wardrobe box.
Wire rope box.
Work box.
Wrapped box.
Wrapping and forming box.
Box. A. Barad. 1,892,092; Dec. 27.
Box. F. E. A. W. Bergaud. Des. 88,068; Oct. 25.
Box. L. G. Bigelow. 1,880,191; Oct. 4.
Box. P. F. Boeye. 1,853,499; Apr. 12.
Box. P. F. Boeye. 1,890,965; Dec. 13.
Box. H. E. Brock. 1,857,350; May 10.
Box. W. DeWitt. 1,891,801; Dec. 20.
Box. R. R. Groomes and P. A. Laddon. 1,870,907; Aug. 9.
Box. G. H. Hamilton. 1,862,535; June 14.
Box. S. J. Klein. 1,865,635; July 5.
Box. E. G. Levkoff. Des. 86,126–9; Feb. 2.
Box. F. H. Mix. 1,886,211; Nov. 1.
Box. P. Prachter and A. Marlowe. 1,862,980; June 14.
Box. L. J. Russell. 1,842,205; Jan. 19.
Box. F. J. Schleicher. 1,849,409; Mar. 15.
Box. R. Wurzburg. 1,869,927; Aug. 2.
Box accumulator. Packed. W. P. Shepherd. 1,856,733; May 3.
Box and bearing for railway vehicles. J. N. Blue. 1,869,795; Aug. 2.
Box and carton, Cardboard. M. Gibson. 1,870,680; Aug. 9.
Box and carton, Cardboard or like. F. G. Robinson. 1,891,839; Dec. 20.
Box and cleaning brush for false teeth, Combination. M. A. Meikle. 1,845,315; Feb. 16.
Box and constructing the same, Hat. S. H. Stern. 1,851,217; Mar. 29.
Box and cover, Junction. L. Strnad. 1,862,324; June 7.
Box and crate. G. P. Igleheart and A. L. Rosenmund. 1,873,589; Aug. 23.
Box and crate. A. L. Rosenmund. 1,845,194; Feb. 16.
Box and crate. A. L. Rosenmund. 1,847,851; Mar. 1.

Box and hanger and making the same, Outlet. C. C. Buckels. 1,856,161; Nov. 1.
Box and loader, Portable dump. S. L. Caple. 1,852,504; Apr. 5.
Box and method, Covered. H. P. McGovern. 1,851,518; Mar. 29.
Box and method of assembly, Hinged. M. Partiot. 1,877,038—9; Sept. 13.
Box and outlet box, Portable fuse. C. Suss. 1,874,828; Aug. 30.
Box and packing therefor, Stuffing. J. R. Cole. 1,858,882; May 17.
Box and parcel bracket, Mail. O. E. Brown. 1,888,111; Nov. 15.
Box and table, Combination. S. L. Case. 1,878,674; Sept. 20.
Box assembling device, Honey. H. Brattrud. 1,876,395; Sept. 6.
Box assembly, Flexible stuffing. E. O. Bennett. 1,885,046; Oct. 25.
Box binding machine. A. V. Sullivan. 1,868,182; July 19.
Box blank and cutout card, Combination. A. B. Collingbourne. Des. 87,510; Aug. 9.
Box board machine. W. B. Hadley. 1,881,404; Oct. 4.
Box board machine, Combination. W. B. Hadley. 1,859,869; May 24.
Box, brace, and liner for underground pipes, Sealing. R. W. McAfee. 1,858,101; May 10.
Box, case, or holder for gramophone needles. G. B. King. 1,857,052; May 3.
Box conditioning, System and apparatus for proof. W. L. Fleisher. 1,853,853; Apr. 12.
Box container. L. H. Church. 1,879,920; Sept. 27.
Box construction. M. C. Hillyer. 1,845,086; Feb. 16.
Box construction. M. E. Holy. 1,856,282; May 3.
Box construction, Letter. L. W. Cole. 1,874,696; Aug. 30.
Box construction, Match. H. J. Hauser. 1,862,853; June 14.
Box construction. J. F. Maurer, jr. 1,885,748; Nov. 1.
Box construction, Stuffing. A. F. Masury. 1,852,429; Apr. 5.
Box covering machine. P. W. Fleischer and M. Feybusch. 1,868,284; July 19.
Box crusher. N. H. Sandberg. 1,867,597; July 19.
Box device for motor vehicles, Rear. E. H. Coquille. 1,846,544; Feb. 23.
Box-easel picture frame. G. M. Minton. 1,882,157; Oct. 11.
Box elbow. M. B. Crowe and J. E. Getzen. 1,841,523; Jan. 19.
Box for cinematographic apparatus, Film holding. L. Goldhammer and B. Röhrl. 1,843,319; Feb. 2.
Box for confectionery and other merchandise. E. A. Kahle. Des. 87,217; June 21.
Box for cosmetics. M. Levy. 1,847,840; Mar. 1.
Box for coils, Shipping and display. P. Corigliano. 1,879,105; Sept. 27.
Box for electrical connections, Street outlet. R. Blesso. 1,843,187; Feb. 9.
Box for face-powder and similar material. A. L. Smith. 1,887,333; Nov. 8.
Box for fuses, Metal arc. W. R. Taliaferro. 1,843,583; Feb. 2.
Box for holding and displaying pens or pencils or other articles. J. M. Shields. 1,885,012; Oct. 18.
Box for inclosing electrical appurtenances. J. Sachs. 1,841,212; Jan. 12.
Box for motors, Terminal. J. L. Brown. 1,866,344; July 5.
Box for observing translucent images, Viewing. G. Bucky. 1,868,521; July 26.
Box for paper machines, Suction. W. H. Grosse. 1,8420,020; Jan. 19.
Box for refrigerated shipments and the like. A. M. Overton. 1,863,769; Aug. 2.
Box for suction pumps, Stone. C. A. Romine. 1,841,209; Jan. 12.
Box for the curb valves of watermains, Stop. F. C. LeDuc. 1,890,618; Dec. 13.
Box for tools, Display. C. Ekberg. Des. 88,145; Nov. 1.
Box for valves or the like, Stuffing. W. C. Uhri, jr. 1,847,254; Mar. 1.
Box forming and gluing machine. S. Pearce. 1,877,043; Sept. 13.
Box forming and wrapping machine. R. C. Cunningham. 1,868,567; July 26.
Box header, Adjustable outlet. W. H. Owen. 1,856,356; May 3.
Box-holder clamp. J. Herlihy. 1,868,103; July 19.
Box inverting means, Match. P. W. Dietmann. 1,886,794; Nov. 8.
Box labeling and edging. W. H. Meyer and W. A. Jelsen. 1,863,023—4; June 14.
Box lidder. M. D. Green. 1,850,171; Mar. 22.
Box lidding machine. H. Paxton. 1,858,556; May 17.
Box machine. J. A. Giles. 1,858,706; May 17.
Box machine. E. C. Northrup. 1,844,333; Feb. 9.
Box making machine. E. L. Walker and A. W. Werner. 1,874,670; Aug. 30.
Box making machine, Paper. S. Bergstein. 1,868,872; July 26.
Box making machinery, Paper. G. H. Broderick. 1,891,367; Dec. 20.
Box-marking machine. T. S. Scott. 1,845,726; Feb. 16.
Box or carton. H. Levine. 1,885,455; Nov. 1.
Box or carton, Two-piece. H. Levine. Re18,639; Nov. 1.
Box or case, Tool. E. R. Cole. 1,877,496; Sept. 13.
Box or container parts with neck inserts, Production of. C. W. Müller. 1,842,189; Jan. 19.
Box or package, Display. E. W. Poppe. 1,859,050; May 17.
Box or similar container. W. Kops. Des. 88,157; Nov. 1.
Box or similar receptacle. M. B. Heath. Des. 87,513; Aug. 9.
Box parts, Forming. J. Schmiedel. 1,856,267; May 3.
Box parts with inserted edge lining, Device for producing. A. J. Schmiedel. 1, 886,054; Nov. 1.
Box shook splicing machine. W. R. Smith. 1,864,865; June 28.
Box spring and mattress having pockets for selectively receiving the edges of the several bed coverings, Combination. M. K. Wallace. 1,883,837; Oct. 18.
Box spring mechanism. E. L. Bronstien. 1,867,872; July 19.
Box stitching machine. E. L. Walker and A. W. Werner. 1,874,671; Aug. 30.
Box strapping machine, Fruit. H. E. Twomley. 1,839,620; Jan. 5.
Box stud and nose guard for ophthalmic mountings. J. J. Pomeranz and V. Tanasso. 1,891,177; Dec. 13.
Box support, Electric outlet. L. Barnett. 1,850,616; Mar. 22.
Box suspension means, Outlet. B. R. White. 1,845,948; Feb. 16.
Box toe. W. B. Pratt. 1,840,603; Jan. 12.
Box toe blank and producing the same. J. J. Daly. 1,886,329; Nov. 1.
Box toe, Heat resistant. J. J. Daly. 1,847,523; Mar. 1.
Box top or similar article. E. L. Persons. Des. 86,330; Feb. 23.
Box trap. J. Kleffman. 1,861,478; June 7.
Box wrap. A. Roark. Des. 87,548; Aug. 9.
Boxes and packing therefor, Stuffing. J. R. Cole. 1,877,268; Sept. 13.
Boxes and the like, Forming. J. S. Stokes. 1,879,830; Sept. 27.
Boxes and the like, Manufacture of cigar. A. A. Adamson. 1,863,159; June 28.
Boxes, Apparatus for arranging. P. W. Dietmann. 1,870,201; Aug. 2.
Boxes, Apparatus for wire binding. G. D. Parker. 1,875,259; Aug. 30.
Boxes, Blanking folding. R. J. Gruenberg. 1,876,666; Sept. 13.
Boxes consisting of two parts one of which has a curved wall, Forming. J. Schmiedel. 1,886,055; Nov. 1.
Boxes, Construction for mail. J. Fetyk. 1,842,258; Jan. 19.
Boxes in packing machines, Device for introducing folding. P. Gangler. 1,848,707; Mar. 8.
Boxes, Making cardboard. G. H. and A. G. Snyder. 1,839,779; Jan. 5.
Boxes, Making core. J. H. Laukel. 1,845,502; Feb. 16.
Boxes, Making metallic. E. Zinser. 1,869,728; Aug. 2.
Boxes, Manufacture of paper. C. S. Andrews. 1,850,164; Mar. 22.
Boxes, Manufacturing match. G. E. Mellgren, J. G. Sjöström, A. R. Swalas, and G. V. Hedin. 1,872,162; Aug. 16.
Boxes, Method of and apparatus for assembling plural blank. H. B. Walter. 1,859,640; May 24.
Boxes or box parts with curved bottoms, Forming J. Schmiedel. 1,862,390; June 7.
Boxes, Wrapping and forming. J. S. Stokes. 1,880,288; Oct. 4.
Boxes, Wrapping and lining means for. A. A. Adamson. 1,860,830; May 31.
Boxings for mattresses, cushions and the like. R. E. Reichelt. 1,884,234; Oct. 25.
Brace: *See*—

Bed brace.	Rail brace.
Crate brace.	Steering gear brace.
Furniture brace.	Suspender brace.
Leg brace.	Tie plate and rail brace.
Pan and cutterbar brace.	Wire brace.

Brace. W. G. Fuller. 1,866,774; July 5.
Brace bar folding device. H. Joekel. 1,859,563; May 24.
Brace end. W. A. Smith. 1,892,321; Dec. 27.
Brace for fruit cars, Load. O. R. Rodgers. 1,846,757; Feb. 23.
Brace for folding tables, Leg. M. Fox. 1,883,117; Nov. 15.
Brace for ironing tables and the like, Foldable. C. W. Sadenwater. 1,861,613; June 7.
Brace for personal wear. A. Laurain. 1,869,283; July 26.
Brace for railway cars, Adjustable loading. A. E. Mackey. 1,868,638; July 26.
Brace for window screen, Corner. E. J. Weitzel. 1,852,866; Apr. 5.
Brace or tie-in bar for gas meters. A. F. Fow. 1,887,999; Nov. 15.
Bracelet. F. Kent. 1,852,016; Apr. 5.
Bracelet. M. C. Meyer. 1,841,870; Jan. 19.
Bracelet and connecter. W. J. Roy. 1,866,670; July 12.
Bracelet buckle. S. O. Bigney and C. Arvidson. 1,863,917; June 21.
Bracelet chain. W. Lichtenfels. 1,844,132; Feb. 9.

Bracelet chain. A. E. R. Speidel. Des. 87,448; July 26.
Bracelet chain. A. E. K. Speidel. Des. 87,551; Aug. 9.
Bracelet chain. A. E. R. Speidel. Des. 87,810; Sept. 20.
Bracelet chain. A. E. R. Speidel. Des. 87,953; Oct. 18.
Bracelet chain. E. F. M. Speidel. Des. 86,940; May 10.
Bracelet chain, Jewelled. M. Anderson. Des. 86,946; May 17.
Bracelet clasp. W. Lichtenfels. 1,844,131; Feb. 9.
Bracelet connection. R. King. 1,860,312; May 24.
Bracelet, Expansion. E. Prestinari. 1,869,615; Aug. 2.
Bracelet, Expansible. A. E. Fassnacht. 1,852,823; Mar. 29.
Bracelet, Flexible. J. Goldblatt. 1,843,555; Feb. 2.
Bracelet, Flexible. C. A. Mealy. 1,840,047; Jan. 5.
Bracelet or similar article. H. M. Trenholm. Des. 86,688; Apr. 5.
Bracelet strap. Foldable extension device for a. J. Sand. 1,861,929; May 31.
Bracelet structure. E. G. Carlson. 1,889,972; Dec. 6.
Bracing means for shaper rams. H. E. Morton. 1,882,158; Oct. 11.
Bracing, Trench. J. C. Meem. 1,877,351; Sept. 13.
Bracing units, Forming hollow. H. Woodhead and C. W. Stover. 1,882,352; Oct. 11.
Bracket. *See*—
Brake lever bracket.
Collapsible bracket.
Cooler bracket.
Corner bracket.
Curtain bracket.
Curtain and window shade bracket.
Furring bracket.
Insulator bracket.
Jointed bracket.
Lens bracket.
Light bracket.
Mirror bracket.
Mounting bracket.
Pole top bracket.
Radiator bracket.
Rear bracket.
Receptacle bracket.
Roofing bracket.
Scaffold bracket.
Shade and window bracket.
Shelf bracket.
Shipping bracket.
Steel framework bracket.
Stock support bracket.
Supporting bracket.
Supporting and ratchet bracket.
Universal bracket.
Venetian blind bracket.
Wall bracket.
Watch supporting bracket.
Window bracket.
Window shade bracket.
Bracket. J. M. Auñero. Des. 87,702; Sept. 6.
Bracket. E. B. Brittin. 1,882,479; Oct. 11.
Bracket. F. W. Buecker. 1,862,466; June 7.
Bracket. J. A. Eisenschmidt. 1,848,085; Mar. 1.
Bracket. M. Herzstein and R. H. Porter. 1,878,398; Sept. 20.
Bracket. E. F. Marquis. 1,861,220; May 31.
Bracket. W. A. Porter. 1,889,452; Dec. 29.
Bracket. K. L. Rick. 1,839,594; Jan. 5.
Bracket. T. O. Schrader. 1,882,980; Oct. 18.
Bracket and garment hanger rack, Combination shelf. A. L. Stowell. 1,856,044; Apr. 26.
Bracket and means of attaching same to a cloth covered member. F. Bertell. 1,853,254; Apr. 12.
Bracket and support, Insulator. C. Fort. 1,883,671; Oct. 18.
Bracket as a support for scaffolds. R. Rasmussen. 1,878,642; Sept. 20.
Bracket attachment for ladders, Supporting. C. Iasillo. 1,890,139; Oct. 4.
Bracket clamp. C. E. Wolfe. 1,863,820; June 21.
Bracket device. J. Landau. Re18,490; June 14.
Bracket device, Drapery. Z. A. Stanley. 1,852,527; Oct. 5.
Bracket for clothes hangers. E. E. Wiit. 1,889,582; Nov. 29.
Bracket for curtain rods. W. H. Toelle. 1,866,331; July 5.
Bracket for curtain rods. W. H. Toelle. 1,884,391; Oct. 25.
Bracket for curtain rods. R. D. W. Vroom. 1,884,414; Oct. 25.
Bracket for electric motors. K. R. Lieberknecht. 1,886,259; Nov. 1.
Bracket for flush tanks and other plumbing fixtures, Supporting. E. C. Daugherty. 1,878,821; Sept. 20.
Bracket for guard rails, Offset. E. K. Cole and F. E. Shumann. 1,883,879; Oct. 25.
Bracket for insulators, Transposition. R. N. Hunter and H. F. Stover. 1,840,362; Jan. 12.
Bracket for lids of talking machine cabinets, Lamp. J. T. Dalton. 1,855,942; Apr. 26.
Bracket for magnifying instruments. D. B. Becker. 1,854,440; Apr. 19.
Bracket for paint pots, Ladder. E. J. Moelter and D. R. Bates. 1,862,701; June 14.
Bracket for railway car hand brakes, Attaching. R. W. Bennett. 1,879,967; Sept. 27.
Bracket for shade pulleys, Supporting. L. O. Draper. 1,883,627; Oct. 18.
Bracket for signs and the like. H. C. Powers. 1,866,723; July 12.
Bracket for sinks, Adjustable. E. S. Erickson. 1,890,937; Dec. 13.
Bracket for spotlights and the like, Swivel. L. C. Doane. 1,840,768; Jan. 12.
Bracket for suitcases, Hanger. A. Levine. 1,887,314; Nov. 8.
Bracket for Venetian blinds. Head bar. L. T. Ward. 1,845,857; Feb. 16.
Bracket, support for coupler release rods. V. E. Sisson. 1,863,142; June 14.
Bracket support, Lateral arm and roller. F. A. Anton. 1,866,877; July 12.
Brackets on walls, etc., Detachably mounting. C. W. Kirsch. 1,842,786; Jan. 26.
Brackets, Operating attachment for foldable. H. Anderson. 1,842,954; Jan. 26.
Braid and manufacturing same, Lace. O. E. Huber. 1,887,643; Nov. 15.
Braid, Corded. M. Krissiep. 1,849,627; Mar. 15.
Braid, Elastic lace. O. E. Huber. Des. 88,352; Nov. 22.
Braid, Elastic lace. C. D. Maurer. Des. 88,362; Nov. 22.
Braid, Elastic lace. H. Mehler. 1,885,749; Nov. 1.
Braided product and making the same. S. B. Blaisdell. 1,891,211; Dec. 13.
Braiding carrier. M. Krissiep. 1,872,980; Aug. 23.
Braiding machine. F. Billard. 1,854,685; Apr. 19.
Braiding machine. F. W. Merrick. 1,876,147; Sept. 6.
Braiding machine. E. K. Standish. 1,888,477; Nov. 22.
Braiding machine, Round. G. Horn. 1,864,249; June 21.
Braiding machines, Spindle carrier for. J. F. Larson. 1,841,191; Jan. 12.
Brake: *See*—
Aeroplane brake.
Air brake.
Air hand brake.
Airplane brake.
Automobile brake.
Booster brake.
Car brake.
Clutch brake.
Differentiating brake.
Disk brake.
Drop brake.
Drum brake.
Dual control brake.
Double disk brake.
Electric friction brake.
Electrically controlled brake.
Electromagnetic equalizing brake.
Electropneumatic brake.
Emergency brake.
Expanding brake.
Fluid actuated brake.
Fluid brake.
Fluid pressure brake.
Friction brake.
Friction servo brake.
Hand brake.
Hydraulic brake.
Hydro brake.
Hydroservo brake.
Internal brake.
Load brake.
Locomotive brake.
Magnetic brake.
Magnetic servo brake.
Mechanically operated brake.
Motor brake.
Motor vehicle brake.
Neutral brake.
Power brake.
Pressure brake.
Rail brake.
Railway brake.
Reverse brake.
Reverse motion brake.
Safety brake.
Safety hoist brake.
Servo brake.
Steering wheel brake.
Transmission brake.
Variable load brake.
Vehicle brake.
Brake. W. J. Andres. 1,853,354; May 17.
Brake. V. Bendix. 1,852,103; Apr. 5.
Brake. V. Bendix. 1,872,874; Aug. 23.
Brake. V. Bendix. 1,873,103; Aug. 23.
Brake. V. Bendix and L. E. La Brie. 1,840,829; Jan. 12.
Brake. C. P. Berry. 1,844,457; Feb. 9.
Brake. J. P. Billingsley and T. A. Kellum. 1,883,498; Oct. 18.
Brake. L. J. Black. 1,850,912; Mar. 22.
Brake. E. Bugatti. 1,860,770; May 31.
Brake. R. L. Carr. 1,844,345; Feb. 9.
Brake. J. R. Cautley. 1,840,808; Jan. 12.
Brake. J. R. Cautley. 1,875,528; Sept. 6.
Brake. W. H. Delahaye. 1,871,260; Aug. 9.
Brake. W. H. Delahaye. 1,874,921; Aug. 30.
Brake. W. H. Delahaye. 1,876,381; Sept. 6.
Brake. W. H. Delahaye. 1,876,136; Sept. 6.
Brake. F. Detillioux. 1,866,755; July 12.
Brake. A. Y. Dodge. Re16,431; Apr. 19.
Brake. A. Y. Dodge. 1,842,899; Jan. 26.
Brake. A. Y. Dodge. 1,856,070; May 3.
Brake. A. Y. Dodge. 1,866,252; July 5.
Brake. A. Y. Dodge. 1,874,927–9; Aug. 30.
Brake. A. Y. Dodge and C. H. Taylor. 1,865,508; July 5.
Brake. E. R. Evans. 1,866,884; July 12.
Brake. G. McK. Fitts. 1,890,031; Dec. 6.
Brake. F. M. Forbes. 1,875,717; Sept. 6.
Brake. H. Ford. 1,850,006; Mar. 15.
Brake. H. Ford. 1,856,183; May 3.
Brake. F. C. Frank. 1,871,314; Aug. 9.
Brake. C. I. Frantz. 1,901,551; Mar. 20.
Brake. J. F. Frese. 1,875,436; Sept. 6.
Brake. D. L. Gallup. 1,875,374; Sept. 6.
Brake. R. A. Goepfrich. 1,858,667; May 17.
Brake. R. A. Goepfrich. 1,874,963; Aug. 30.
Brake. R. A. Goepfrich. 1,875,443; Sept. 6.
Brake. T. T. Greenwood. 1,840,032; Jan. 5.
Brake. E. G. Gunn. 1,851,277; Mar. 29.
Brake. E. G. Gunn. 1,873,389; Aug. 23.
Brake. E. G. Gunn. 1,889,093; Nov. 29.
Brake. W. C. Hillerman. 1,890,190; Aug. 30.
Brake. R. E. House and H. F. Parker. 1,862,309; June 7.
Brake. L. C. Huck. 1,886,811; Nov. 8.
Brake. G. H. Hunt. 1,875,007; Aug. 30.
Brake. O. E. Hunt. 1,872,144; Aug. 16.
Brake. J. Kennedy, jr. 1,889,444; Nov. 29.
Brake. G. H. Ketchum. 1,855,636; Apr. 26.
Brake. R. F. Kohr. 1,842,679; Jan. 26.
Brake. R. F. Kohr. 1,853,905–6; Apr. 12.
Brake. R. F. Kohr. 1,872,974; Aug. 23.
Brake. R. F. Kohr. 1,875,468; Sept. 6.
Brake. L. E. La Brie. 1,846,123–4; Feb. 23.
Brake. L. E. La Brie. 1,852,121; Apr. 5.
Brake. L. E. La Brie. 1,865,572; July 5.
Brake. L. E. La Brie. 1,875,029–30; Aug. 30.

Brake. L. E. La Brie. 1,875,345 : Sept. 6.
Brake. W. B. Lake. 1,890,735 ; Dec. 13.
Brake. B. J. Lindgren. 1,856,345 ; May 3.
Brake. C. F. Linsley. 1,875,051 ; Aug. 30.
Brake. K. E. Lyman. 1,843,571 ; Feb. 2.
Brake. K. E. Lyman. 1,852,325 ; Apr. 5.
Brake. K. E. Lyman. 1,858,335 ; May 17.
Brake. K. E. Lyman. 1,871,458 ; Aug. 16.
Brake. K. E. Lyman. 1,875,064 ; Aug. 30.
Brake. G. K. McCann. 1,875,073 ; Aug. 30.
Brake. M. W. McConkey. 1,848,258–9 ; Mar. 8.
Brake. M. W. McConkey and E. G. McDonald. 1,875,082 ; Aug. 30.
Brake. E. G. McDonald. 1,855,407 ; Apr. 26.
Brake. G. F. Michael. 1,875,092 ; Aug. 30.
Brake. J. Milan. 1,849,584 : Mar. 15.
Brake. J. M. Milan. 1,875,095 ; Aug. 30.
Brake. W. C. Moore. 1,855,485 ; Apr. 26.
Brake. E. J. Nicholson. 1,841,294 ; Jan. 12.
Brake. J. Norton. 1,866,411 ; July 5.
Brake. H. S. Pardee. 1,882,873 : Oct. 18.
Brake. H. F. Parker. 1,875,391–2 ; Sept. 6.
Brake. H. B. Pearson. 1,841,187 ; Jan. 22.
Brake. H. Perrot and G. Calvignac. 1,875,759 ; Sept 6.
Brake. E. Price. 1,852,857 ; Apr. 5.
Brake. R. T. Reames. 1,875,930 : Sept 6.
Brake. F. W. Sampson. 1,874,363 ; Aug. 30.
Brake. F. W. Sampson and J. W. Tatter. 1,886,594 ; Nov. 8.
Brake. R. S. Sanford. 1,876,077 : Sept. 6.
Brake. R. S. Sanford. 1,876,349 ; Sept 6.
Brake. R. S. Sanford. 1,884,276 ; Oct. 25.
Brake. P. Sappington. 1,850,693 ; Mar. 22.
Brake. E. W. Seaholm, G. E. Parker, and A. H. Stahlhuth. 1,875,540 ; Sept. 6.
Brake. R. L. Skinner. 1,874,129 ; Aug. 30.
Brake. L. K. Snell. 1,875,945 : Sept 6.
Brake. H. Stone. 1,851,737 ; Mar. 29.
Brake. G. H. Stoner. 1,878,911 : Sept. 20.
Brake. J. W. Tatter. 1,884,373 : Oct. 25.
Brake. H. Taylor. 1,876,093 ; Sept 6.
Brake. E. V. Taylor. 1,846,161 ; Feb. 23.
Brake. E. V. Taylor. 1,874,499 ; Aug. 30.
Brake. E. V. Taylor. 1,875,527 : Sept 6.
Brake. V. Thomas. 1,876,177 : Sept 6.
Brake. G. J. Thomas. 1,842,885 ; Jan. 26.
Brake. R. N. Van Buskirk. 1,872,197 ; Aug. 16.
Brake. R. S. Ives. 1,872,015 ; Aug. 16.
Brake. W. S. Watts. 1,876,114 ; Sept 6.
Brake. J. J. Wharam. 1,883,708 ; Nov. 22.
Brake. H. Wilkinson. 1,861,591 ; June 7.
Brake. J. Whyte. 1,882,050 ; Oct. 11.
Brake. J. Whyte. 1,886,141 ; Nov. 1.
Brake. P. H. Wilkinson and F. Gebhart. 1,857,104 ; May 3.
Brake. F. J. Williams. 1,863,779 ; June 21.
Brake. F. E. Willis. 1,867,392 ; July 12.
Brake actuating mechanism. A. C. Hamilton. 1,855,348 ; Apr. 26.
Brake actuating mechanism. W. H. Topp. 1,845,995 ; Feb. 16.
Brake actuating mechanism, Front wheel. V. G. Apple. 1,863,644 ; June 21.
Brake actuator. H. M. Bentley. 1,884,530 ; Oct. 25.
Brake actuator, Pneumatic. H. M. Bentley. 1,884,531 ; Oct. 25.
Brake adjuster. H. F. Parker. 1,862,278 ; June 7.
Brake adjusting device. L. E. La Brie. 1,865,524 ; July 5.
Brake adjusting gauge. V. L. Martin. 1,861,638 ; June 7.
Brake adjusting mechanism. P. Hallot. 1,847,716 ; Mar. 1.
Brake adjusting mechanism, Motor vehicle. H. G. Sundquist. 1,880,368 ; Oct. 4.
Brake adjustment. A. Y. Dodge. 1,872,127 ; Aug. 16.
Brake anchor. G. H. Stoner. 1,878,912 ; Sept. 20.
Brake and clutch construction. G. Fast. 1,885,516 ; Nov. 1.
Brake and clutch control for motor vehicles. B. Cook. 1,865,094 ; May 31.
Brake and clutch control for motor vehicles. A. J. Vasselli. 1,886,767 ; Nov. 8.
Brake and clutch control mechanism, Tractor transmission. R. T. Osman. 1,884,162 ; Oct. 25.
Brake and clutch pedal pad. O. C. R. Woller. 1,858,809 ; May 17.
Brake and clutch pedal structure, Combined. H. C. Holland. 1,885,442 ; Nov. 1.
Brake and contact wiper, Quickly attachable and detachable means for. E. J. Keeping. 1,853,213 ; Apr. 12.
Brake and door control device. U. A. Whitaker. 1,842,487 ; Jan. 26.
Brake and ignition and starter control, Emergency. F. N. Cobb, sr. 1,859,328 ; May 24.
Brake and locking mechanism, Safety and emergency bumper. J. Gentile. 1,882,188 ; Oct. 11.
Brake and power controller. J. C. McCune. 1,860,426 ; May 31.
Brake and rudder control, Airplane. R. H. Upson. 1,864,962 ; June 28.
Brake and signal system, Fluid pressure. C. C. Farmer. 1,865,093 ; June 28.
Brake and vehicle control, Air. F. P. Frankford. 1,847,338 ; Mar. 1.
Brake apparatus, Power. E. A. Rockwell. 1,882,926 ; Oct. 18.
Brake applying apparatus. C. S. Bushnell. 1,855,505–7 ; Apr. 26.
Brake applying apparatus. C. S. Bushnell. 1,877,554 ; Sept. 13.
Brake applying mechanism. V. G. Apple. 1,876,545 ; Sept. 13.
Brake assembly, Rotary drawworks back. J. D. Spalding. 1,875,769 ; Sept 6.
Brake attachment, Freight car hand. A. A. Smallwood. 1,860,907 ; May 31.
Brake at terminals, Overspeed. J. Dunlop. 1,871,213 ; Aug. 9.
Brake band adjusting means. A. S. Cataudella. 1,866,248 ; July 5.
Brake band construction. C. Y. Knight. 1,842,102 ; Jan. 19.
Brake band equalizer for automobiles. C. B. Kitchen. 1,874,760 ; Aug. 30.
Brake bands reaction bands for epicyclic gearing, or any lever actuation of parts, Actuation of. W. G. Wilson. 1,854,359 ; Apr. 19.
Brake beam leveling and safety device. H. T. Anderson. 1,841,515 ; Jan. 19.
Brake beam safety iron. F. Izzo. 1,879,277 ; Sept. 27.
Brake beam safety support. G. A. Johnson. 1,866,710 ; July 12.
Brake beam support. T. L. Burton. 1,891,523 ; Dec. 20.
Brake beam support. E. C. Busse. 1,860,319 ; Oct. 11.
Brake beam support. C. F. Huntoon. 1,875,240 ; Aug. 30.
Brake beam support and safety device. L. G. Miller. 1,844,171 ; Feb. 9.
Brake block composition. T. F. Brackett. 1,851,036 ; Mar. 29.
Brake booster for motor vehicles. D. M. Martindill. 1,848,896 ; Mar. 8.
Brake caster. W. H. Noelting and E. A. Brokaw. 1,863,349 ; June 14.
Brake chain attachment. S. B. Haseltine. 1,877,309 ; Sept. 13.
Brake chatter, Mechanism to prevent. G. L. Rothrock. 1,874,354 ; Aug. 30.
Brake connection. A. C. Starr. 1,873,065 ; Aug. 23.
Brake construction. G. L. Smith. 1,850,898 ; Mar. 22.
Brake construction. W. A. Vock and C. E. Wood. 1,863,775 ; June 21.
Brake control. G. N. Cadbury. 1,885,588 ; Nov. 1.
Brake control. J. N. Cardoza. 1,876,397 ; Sept. 6.
Brake control, Automatic. C. E. Smelser. 1,892,541 ; Dec. 27.
Brake control device. F. Kratz. 1,856,342 ; May 3.
Brake control device for motor vehicles, Clutch. W. G. Hult and H. Kingsmill. 1,890,153 ; Dec. 6.
Brake control, Manual. E. A. Nelson. 1,889,692 ; Nov. 29.
Brake control mechanism. W. R. Freeman and E. H. Schwerring. 1,843,218 ; Feb. 2.
Brake control mechanism, Hydraulic. C. A. Sawtelle. 1,885,522 ; Nov. 1.
Brake control, Trailer. J. Whyte. 1,861,770 ; June 7.
Brake cooling means. W. D. McIntyre and J. Dancliger. 1,859,709 ; May 24.
Brake cross shaft. C. L. McCuen, J. Dykstra, E. H. Smith, and J. F. Wolfram. 1,872,160 ; Aug. 16.
Brake cross shaft assembly and making same. F. C. Matchael and G. D. Shanahan. 1,871,727 ; Aug. 16.
Brake cylinder. C. C. Farmer and J. C. McCune. 1,879,667 ; Sept. 27.
Brake cylinder device. S. G. Down. 1,887,584 ; Nov. 15.
Brake device. J. C. McCune. 1,865,124 ; June 28.
Brake device. T. H. Thomas. 1,850,609 ; Mar. 22.
Brake device, Inertia. S. L. Williams. 1,860,401 ; May 31.
Brake device, Magnetic. J. C. McCune. 1,854,712 ; Apr. 19.
Brake device, Reverse. C. A. Matson. 1,886,710 ; Nov. 8.
Brake device, Safety. J. C. McCune. 1,860,424 ; May 31.
Brake device, Vehicle. O. L. Shaw. 1,839,603 ; Jan. 5.
Brake disk. J. W. Heiney. 1,879,744 ; Sept. 27.
Brake drum. S. E. Archibald. 1,850,949 ; Mar. 22.
Brake drum. G. Calvignac. 1,872,116 ; Aug. 16.
Brake drum. F. C. Frank. 1,868,740 ; July 26.
Brake drum. H. Gillies. 1,847,714 ; Mar. 1.
Brake drum. J. Goostray. 1,865,311–12 ; June 28.
Brake drum. L. C. Huck. 1,846,257 ; Feb. 23.
Brake drum. R. J. Norton. 1,866,420 ; July 5.
Brake drum. C. W. Strachar. 1,876,354 ; Sept 6.
Brake drum. J. S. Skelly. 1,846,816 ; Feb. 23.
Brake drum. J. Sneed. 1,878,006 ; Sept. 20.
Brake drum. J. W. Tatter. 1,890,705 ; Dec. 13.
Brake drum. S. M. Tiddle. 1,881,002 ; Oct. 4.
Brake drum and shield assembly. J. Y. Blazek. 1,887,478 ; Nov. 8.
Brake drum attachment for artillery wheels. C. L. Eksergian. 1,850,345 ; Mar. 22.
Brake drum, Fluid cooled. R. R. Bloss. 1,853,401 ; Apr. 12.
Brake drum spacer. W. B. Conlon and L. Hayes. 1,870,605 ; Aug. 9.
Brake drum truing device. W. H. Ross. 1,857,873 ; May 10.
Brake drum truing machine. S. A. B. Hamilton and C. A. Lausen. 1,840,092 ; Jan. 5.

Brake, Electropneumatic. T. H. Thomas. 1,842,494; Jan. 26.
Brake equalizing mechanism. G. L. Smith. 1,874,822; Aug. 30.
Brake equipment, Foot controlled. J. F. Craig. 1,865,085; June 28.
Brake equipment, Vehicle. P. H. Donovan. 1,865,090; June 28.
Brake for aeroplane wheels, Antilocking. C. Rossatelli. 1,864,694; June 28.
Brake for airplanes. A. J. Roberts. 1,858,112; May 10.
Brake for automobiles, Dynamic. H. D. James. 1,860,504; May 31.
Brake for baby carriages and the like. J. A. Mahr. 1,870,759; Sept. 27.
Brake for centrifugal machines. E. Roberts. 1,882,037; Oct. 11.
Brake for drop end gondolas, Hand. R. W. Burnett. 1,879,975; Sept. 27.
Brake for elevators. J. Dunlop. 1,871,164; Aug. 9.
Brake for flat cars and similar cars, Hand. R. W. Burnett. 1,872,113; Aug. 16.
Brake for hoists, Load. W. H. Juergens. 1,867,409; July 12.
Brake for landing gear wheels of airplanes. A. H. Hofer. 1,869,479; Aug. 2.
Brake for motor vehicles. A. J. Baker. 1,843,594; Feb. 2.
Brake for motor vehicles. E. Frankland. 1,875,434; Sept. 6.
Brake for motor vehicles. G. E. Pellissier. 1,865,042; June 28.
Brake for motor vehicles, Fluid pressure. E. Frankland. 1,842,259; Jan. 19.
Brake for obtaining a variable braking effect, Compressed air. A. and E. A. Anderberg. 1,879,993; Sept. 27.
Brake for railroad cars, Hand. E. B. Keesey. 1,885,727; Nov. 1.
Brake for railroad vehicles. J. Rohm. 1,870,204; Aug. 2.
Brake for railway cars, Hand. R. W. Burnett. 1,874,439; Aug. 30.
Brake for railway cars, Hand. B. W. Kadel. 1,867,268; July 12.
Brake for revolving doors. H. Munson. 1,844,783; Feb. 9.
Brake for timers, Governor. M. Mallory. 1,866,896; July 12.
Brake for trailer vehicles. R. W. Neate. 1,861,131; May 31.
Brake for trailers, Automatic. G. J. Holanbek. 1,852,778; Apr. 5.
Brake for truck trailers. W. S. Gurton, J. Plint, and H. Sykes. 1,860,537; May 31.
Brake for vehicles. G. Horn. 1,846,332; Feb. 23.
Brake for vehicles, Safety. A. F. Krueger. 1,840,960; Jan. 12.
Brake hanger. M. S. Johnson. 1,874,105; Aug. 30.
Brake hanger. F. Schaefer. 1,880,233; Oct. 4.
Brake hangers, Manufacturing. F. Schaefer. 1,862,281; June 7.
Brake head and shoe assembly. R. L. Jirka. 1,856,812; May 3.
Brake holding and releasing means, Hand. R. W. Burnett. 1,879,977; Sept. 27.
Brake hook-up, Emergency. J. N. Prentis. 1,861,028; May 31.
Brake lever bracket. W. C. Hedgcock. 1,872,449; Aug. 16.
Brake lever construction. F. B. White. 1,866,244; July 5.
Brake lever control for gasoline supply. J. V. Rook. 1,848,201; Mar. 8.
Brake lever, Illuminated emergency. P. W. Lefland. 1,843,831; Feb. 2.
Brake leverage adjuster. B. H. Browall. 1,864,636; June 28.
Brake liner clamp. H. I. MacKeever. 1,844,328; Feb. 9.
Brake lining. H. B. Denman. 1,851,087; Mar. 29.
Brake lining. C. F. Ogren. 1,891,186; Dec. 13.
Brake lining. A. Rosner. 1,887,981; Nov. 15.
Brake lining and machine for making same, Braided. S. B. Blaisdell. 1,885,676; Nov. 1.
Brake lining and method of making. H. Whitworth. 1,890,424; Dec. 6.
Brake lining and the like, Making. F. J. Eisenhardt. 1,877,651; Sept. 13.
Brake lining composition. O. H. Gibson. 1,876,910; Sept. 13.
Brake linings and the like, Apparatus for the manufacture of. A. Von Pasky. 1,859,726; May 24.
Brake linings, Applying. W. F. Ploch. 1,849,991; Mar. 15.
Brake linkage. W. H. Mitchell. 1,887,845; Nov. 15.
Brake linkage. E. A. Rockwell and E. R. Evans. 1,882,929; Oct. 18.
Brake locking device for automobiles and trucks, Safety hand. T. R. White. 1,875,686; Sept 6.
Brake means. W. W. White. 1,855,504; Apr. 26.
Brake mechanism. V. G. Apple. 1,876,541; Sept. 13.
Brake mechanism. S. Beatty. 1,850,652; Mar. 22.
Brake mechanism. V. Bendix. 1,871,441; Aug. 16.
Brake mechanism. H. C. Bowen and J. R. Heidloff. 1,885,174; Nov. 1.
Brake mechanism. C. C. Bradbury. 1,885,580; Nov. 1.
Brake mechanism. C. S. Bragg and V. W. Kliesrath. 1,852,287; Apr. 5.
Brake mechanism. A. P. Brush. Re18,423; Apr. 12.
Brake mechanism. H. Buscher. 1,853,201; Apr. 12.
Brake mechanism. A. Y. Dodge. 1,871,407; Aug. 9.
Brake mechanism. D. Edwards. 1,846,479; Feb. 23.
Brake mechanism. J. Erbel. 1,891,875; Dec. 20.
Brake mechanism. B. S. Floraday. 1,867,913; July 19.
Brake mechanism. B. Gardella. 1,876,288; Sept. 6.
Brake mechanism. E. Hirvonen. 1,846,108; Feb. 23.
Brake mechanism. E. J. Hirvonen. 1,876,934; Sept. 13.
Brake mechanism. A. Kazenmaier. 1,867,078; July 12.
Brake mechanism. A. H. Lauder. 1,847,881; Mar. 1.
Brake mechanism. M. Loughead. 1,841,614; Jan. 19.
Brake mechanism. M. Loughead. 1,847,402; Mar. 1.
Brake mechanism. K. E. Lyman. 1,875,065; Aug. 30.
Brake mechanism. A. Moorhouse. 1,841,415; Jan. 19.
Brake mechanism. R. J. Norton. 1,845,849; Feb. 16.
Brake mechanism. R. J. Norton. 1,875,645; Sept. 6.
Brake mechanism. W. F. Oliver. 1,881,238; Oct. 4.
Brake mechanism. H. Peterson. 1,858,092; Nov. 15.
Brake mechanism. F. H. Ragan. 1,852,997; Apr. 5.
Brake mechanism. F. H. Ragan. 1,883,316; Oct. 18.
Brake mechanism. F. H. Ragan. 1,884,856; Oct. 25.
Brake mechanism. E. A. Rockwell. 1,882,927; Oct. 18.
Brake mechanism. R. S. Sanford. 1,877,597; Sept. 13.
Brake mechanism. S. Schnell. 1,890,959; May 31.
Brake mechanism. S. Sun. 1,870,296; Aug. 9.
Brake mechanism. G. L. Smith. 1,874,821; Aug. 30.
Brake mechanism. J. Sneed. 1,857,481; May 10.
Brake mechanism. W. Tatter. 1,847,718; Mar. 8.
Brake mechanism. C. H. Taylor. 1,858,348; May 17.
Brake mechanism. J. Wilson. 1,859,906; May 24.
Brake mechanism, Antireverse. C. Drexler and D. T. Brownlee. 1,890,973; Dec. 13.
Brake mechanism, Fluid pressure operated. H. C. Bowen. 1,886,936; Nov. 8.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,841,708; Jan. 19.
Brake mechanism for railway vehicles. C. S. Bragg and V. W. Kliesrath. 1,862,294; June 7.
Brake mechanism for baby carriages. J. W. Jackson. 1,867,146; Aug. 16.
Brake mechanism for motor vehicles. W. J. Besler. 1,892,034; Dec. 27.
Brake mechanism for railway cars. C. R. Busch. 1,866,999; July 12.
Brake mechanism for the wheels of road vehicles. F. A. Garrett. 1,874,104; Aug. 30.
Brake mechanism for vehicles, Servo. V. G. Apple. 1,876,540; Sept. 13.
Brake mechanism, Four wheel. R. C. Mounts. 1,866,479–80; July 5.
Brake mechanism, Hand. T. K. Cummins. 1,858,188; May 10.
Brake mechanism, Hydraulic. E. D. Johnson. 1,870,289; Aug. 9.
Brake mechanism, Hydraulic. H. E. Marsh. 1,846,886; Feb. 23.
Brake mechanism, Power. G. P. Berry. 1,846,081; Feb. 23.
Brake mechanism, Servo. V. G. Apple. 1,876,544; Sept. 13.
Brake mechanism, Stand. P. B. Camp. 1,841,573; Jan 19.
Brake mechanism, Variable leverage. C. A. Sawtelle. 1,885,551; Nov. 1.
Brake mechanism, Vehicle. R. T. Hymer and V. L. Conley. 1,852,174; Apr. 5.
Brake mechanism, Web roll. C. J. Richter. 1,875,153; Aug. 30.
Brake operating device. R. J. Statz. 1,848,280; Mar. 8.
Brake operating means. W. J. Andres. 1,876,575; Sept. 13.
Brake operating means. L. E. La Brie. 1,872,982; Aug. 23.
Brake operating means. K. E. Lyman and M. W. McConley. 1,852,174; Apr. 5.
Brake operating means, Airplane wheel. R. H. Depew, Jr. 1,858,393; May 17.
Brake operating mechanism. S. G. Baits. 1,844,939; Feb. 16.
Brake operating mechanism. L. E. La Brie. 1,848,256; Mar. 8.
Brake operating mechanism. E. L. and W. T. Launder. 1,877,408; Sept. 13.
Brake operating mechanism. V. Link. 1,853,910; Apr. 12.
Brake operating mechanism. H. Perrot. 1,856,424; May 3.
Brake operating mechanism. F. H. Ragan. 1,863,282; June 14.
Brake operating mechanism. F. H. Ragan. 1,883,317–8; Oct. 18.
Brake operating mechanism. J. J. Wharam. 1,862,105; June 7.
Brake operating mechanism, Electric. V. G. Apple. 1,876,539; Sept. 13.
Brake operating mechanism for delivery vehicles. K. R. Herman. 1,874,526; Aug. 30.
Brake operating mechanism, Vacuum. G. P. Berry. 1,865,815; July 5.
Brake operating mechanisms for motor vehicles, Auxiliary. F. C. Guerrlich. 1,875,865; Sept. 6.
Brake, Operator. R. J. Norton. 1,866,481; July 5.
Brake pad, Emergency. J. F. Duffy. 1,878,440; Sept. 20.
Brake part. R. J. Norton. 1,875,114; Aug. 30.
Brake pawl, Hand. V. H. Harbert. 1,873,706; Aug. 23.
Brake pedal holding device. C. H. Naber. 1,861,023; May 31.

Brake regulator. J. C. McCune. 1,865,125; June 28.
Brake release. W. P. Hawkins. 1,876,498; Sept 6.
Brake release. R. S. Pearson and J. B. Peel. 1,868,251; July 19.
Brake relining machine. H. B. Barrett. 1,882,109; Oct. 11.
Brake retainer valve mechanism, Fluid pressure. G. C. George. 1,858,493; May 17.
Brake rigging, Hand. J. E. Scott. 1,890,623; Dec. 13.
Brake rigging, Truck. E. Latshaw. 1,889,673; Nov. 29.
Brake rim construction. J. S. Morgan. 1,874,574; Aug. 30.
Brake rim construction, Drawworks. A. E. Rice. 1,874,625; Aug. 30.
Brake rod. L. J. Davis. 1,840,187; Jan. 5.
Brake shoe. A. V. Bendix. 1,846,080; Feb. 23.
Brake shoe. V. Bendix. 1,848,084; Mar. 1.
Brake shoe. V. Bendix. 1,874,863; Aug. 30.
Brake shoe. T. P. Chase. 1,844,461; Feb. 9.
Brake shoe. T. P. Chase. 1,883,556; Oct. 18.
Brake shoe. D. L. Gallup. 1,876,140; Sept 6.
Brake shoe. A. Nelson. 1,847,662; Mar. 1.
Brake shoe. L. Perrot and G. Salvignac. 1,873,025; Aug. 23.
Brake shoe. R. B. Pogue. 1,847,667; Mar. 1.
Brake shoe. R. B. Pogue. 1,872,806; Aug. 23.
Brake shoe. R. B. Pogue. 1,882,883–4; Oct. 18.
Brake shoe. F. W. Sargent. 1,882,959; Oct. 18.
Brake shoe. R. R. Skelton. 1,862,124; June 7.
Brake shoe. M. N. Trainer. 1,867,338–9; July 12.
Brake shoe. M. N. Trainer. 1,872,850; Aug. 23.
Brake shoe. S. Whitworth. 1,865,543; July 5.
Brake shoe. J. C. Zeder. 1,872,547; Aug. 16.
Brake shoe, Composite. A. L. Boegehold. 1,865,823; July 5.
Brake shoe, Composite. T. P. Chase. 1,853,508; Apr. 12.
Brake shoe construction. E. F. Loweke. 1,848,428; Mar. 8.
Brake shoe for aeroplanes, Magnetic. J. Gafney. 1,870,286; Aug. 9.
Brake shoe, Friction. T. F. Brackett. 1,857,125; May 10.
Brake shoe key. A. L. Prentice. 1,886,734; Nov. 8.
Brake shoe reliner. E. E. Parker. 1,869,543; July 26.
Brake shoe structure. A. C. Moore. 1,854,598; Apr. 19.
Brake shoes, Manufacture of. J. W. Peterson. 1,864,929; June 28.
Brake shoes, Manufacture of. S. Whitworth. 1,876,811; Sept. 13.
Brake shoes to eliminate squeaking, Construction vehicle wheel. M. Loughead. 1,855,027; Apr. 19.
Brake slack adjuster. E. A. Goepfrich. 1,876,661; Sept. 13.
Brake slack adjuster. M. S. Johnson. 1,865,760; July 5.
Brake stand. J. Industrial Co. Ohio. 1,860,394; May 31.
Brake structure. R. J. Norton. 1,850,563; Mar. 22.
Brake structure. R. J. Norton. 1,872,796; Aug. 23.
Brake structure. R. J. Norton. 1,884,554; Sept. 27.
Brake system. H. W. Alden and N. R. Brownyer. 1,850,861; Mar. 22.
Brake system. G. W. Bell. 1,866,791; July 12.
Brake system. M. Charles. 1,875,989; Sept 6.
Brake system. L. Ulrich. 1,878,734; Sept. 20.
Brake system, Automotive. C. A. Campbell. 1,871,110; Aug. 9.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,848,414; Mar. 8.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,848,458; Mar. 8.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,852,285–6; Apr. 5.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,868,725; July 26.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,872,397; Aug. 16.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,872,607–59; Aug. 23.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,882,544; Oct. 11.
Brake system, Hydraulic. M Loughead and W. F. Oliver. 1,841,015; Jan. 19.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,887,750; Nov. 15.
Brake system for automotive vehicles, Vacuum. C. S. Bragg and V. W. Kliesrath. 1,865,505; July 5.
Brake system, Hydraulic. J. W. White. 1,869,452; Aug. 2.
Brake system, Vacuum operated. F. Porsche. 1,849,113; Mar. 15.
Brake systems and the like, Master operator for hydraulic. G. Horn. 1,875,003; Aug. 30.
Brake tester. E. L. H. Curran. 1,849,910; Mar. 15.
Brake tester. A. E. Linendoll. 1 848,488; Mar. 8.
Brake tester. R. Seppmann. 1,876,666; Sept. 13.
Brake tester, Automobile. R. P. Ketcham. 1,846,734; Feb. 23.
Brake tester for motor vehicles. F. H. Stroud. 1,888,639; Nov. 22.
Brake testing apparatus. V. Bendix. 1,848,457; Mar. 8.
Brake testing apparatus. R. L. Derryberry and J. E. Johnson. 1,872,073; Aug. 16.
Brake testing apparatus. A. I. Logette and E. H. Dainton. 1,848,790; Mar. 8.
Brake testing apparatus. D. C. Scott. 1,891,652; Dec. 20.
Brake testing apparatus. A. B. Seppmann. 1,843,341; Feb. 2.
Brake testing appliance, Vehicle. C. Hall. 1,847,511; Mar. 1.
Brake testing device. H. Casler. 1,887,992; Nov. 15.
Brake testing device. H. Casler and C. P. Grimes. 1,846,414; Feb. 23.
Brake testing device. C. F. Cowdrey. 1,882,356; Oct. 11.
Brake testing device. A. E. Linendoll. 1,848,487; Mar. 8.
Brake testing device. H. A. Slingerland. 1,886,599; Nov. 8.
Brake testing device. C. E. West. 1,857,773; May 10.
Brake testing device, Automobile. E. H. Kelley and G. A. Stewart, jr. 1,851,123; Mar. 29.
Brake testing device, Automobile. D. Q. Wilkes. 1,872,543; Aug. 23.
Brake testing device for automobiles. D. Q. Wilkes. Re18,536; July 19.
Brake testing device for motor vehicles. C. F. Rossetter. 1,884,261; Oct. 25.
Brake testing machine. S. M. Halstead, A. I. Wickland and W. C. Tustin. 1,874,006; Aug. 30.
Brake testing machine. H. W. Langbein. 1,875,742; Sept. 6.
Brake testing machine. K. Pfeiffer. 1,872,495; Aug. 16.
Brake testing machine. G. Saunders. 1,887,721; Nov. 15.
Brake testing machine, Auto. R. K. Cadwell. 1,889,735; Nov. 29.
Brake testing machine, Automobile. C. F. Cowdrey. 1,872,123; Aug. 16.
Brake testing mechanism. J. Harrison and G. W. Matheny. 1,855,858; Nov. 29.
Brake testing structure. H. H. Semmes. 1,873,051; Aug. 23.
Brake torque transmitting mechanism. F. E. Davis. 1,842,075; Jan. 19.
Brake valve device. E. K. Lynn. 1,860,423; May 31.
Brakes, Apparatus for testing. W. H. Watrous. 1,891,631; Dec. 20.
Brakes, Automatic slack adjuster for. A. R. K. Djurson and K. H. Browall. 1,857,586; May 10.
Brakes, Equalizing device for. L. Taddeo. 1,856,670; May 3.
Brakes for aircraft, Air. G. T. R. Hill. 1,851,907; Mar. 29.
Brakes, Making. M. W. McConkey. 1,875,081; Aug. 30.
Brakes of vehicles, Apparatus for testing the. G. H. Walker. 1,879,721; Sept. 27.
Brakes, Operating mechanism for crane. G. R. Hoffman. 1,854,522; Jan. 19.
Brakes, Servo-mechanism for. F. Kratz. 1,857,053; May 3.
Brakes, Testing. G. W. Brogan. 1,871,147; Aug. 9.
Brakes, Testing automobile. L. L. Graham and O. S. Flood. 1,890,219; Dec. 6.
Brakes to railway cars, Applying hand. R. W. Burnett. 1,874,438; Aug. 30.
Braking and cooling mechanism for vehicle wheels. E. A. Corwin, jr. 1,850,564; Mar. 22.
Braking apparatus. E. Latshaw. 1,871,621; Aug. 16.
Braking apparatus for trailer vehicles. H. Seeleke. 1,873,723; June 7.
Braking apparatus for vehicles, Fluid pressure. H. J. Winter. 1,887,572; Nov. 15.
Braking apparatus, Railway. H. L. Bone. 1,868,517; July 26.
Braking apparatus, Railway. H. L. Bone and J. W. Livingston. 1,888,548; Nov. 22.
Braking apparatus, Railway. C. E. Burns. 1,843,478; Feb. 2.
Braking apparatus, Railway. H. C. Clausen. 1,868,493; July 26.
Braking apparatus, Railway. H. C. Clausen and J. W. Logan, jr. 1,869,409; Aug. 2.
Braking apparatus, Railway. J. W. Livingston. 1,855,300; Apr. 26.
Braking apparatus, Railway. J. W. Livingston. 1,876,013; Sept 6.
Braking attachment for agitators D. A. Jacobi. 1,861,444; June 7.
Braking attachment for internal combustion engines. L. H. Messinger, jr. 1,843,238; Feb. 2.
Braking attachment for internal combustion engines. L. H. Messinger, jr. 1,890,790; Dec. 13.
Braking device. J. M. Edwards. 1,841,280; Jan. 12.
Braking device. F. M. Sarff. 1,852,904; Apr. 5.
Braking device. J. Sneed. 1,858,311; May 17.
Braking device. L. Zamboni. 1,861,772; June 7.
Braking device, Differential servomotor. O. L. Skopik. 1,877,430; Sept. 13.
Braking device for aircraft. R. Mick. 1,840,592; Jan. 12.
Braking device for cinematographic spools. E. Sainte-Claire-Deville. 1,868,078; July 19.
Braking mechanism. A. H. G. Girling. 1,848,775; Mar. 8.
Braking mechanism. F. Turzicky. 1,888,643; Nov. 22.
Braking mechanism for rotary oil well drilling apparatus. E. J. Le Compte and C. A. Harrisson. 1,891,329; Dec. 20.
Braking mechanism, Hydraulic. D. O. Scott. 1,886,309; Nov. 1.
Braking mechanism, Vehicle. G. M. Ashton. 1,847,914; Mar. 1.
Braking system. V. Bendix. 1,872,226; Aug. 16.

Braking system. J. Gayan. 1,871,979; Aug. 16.
Braking system. L. E. La Brie. 1,865,525; July 5.
Braking system and valve. J. W. Lacy. 1,860,188; May 24.
Braking system, Hydraulic. M. Charles. 1,839,298; Jan. 5.
Braking system, Vehicle. G. R. Powell. 1,887,428; Nov. 8.
Branding device. J. E. Covey. 1,855,475; Apr. 26.
Branding. Device for ink. A. L. Scott and G. Schuler. 1,855,927; Apr. 26.
Branding device ink feed. H. H. McKee. 1,855,920; Apr. 26.
Branding iron. C. Sponsel. 1,859,317; May 24.
Branding iron, Electrically heated. H. A. Pearce. 1,871,555; Aug. 16.
Branding, Meat. H. H. McKee. 1,855,919; Apr. 26.
Brassiere. E. Bissett. 1,874,868; Aug. 30.
Brassière. M. Donnet. 1,891,871; Dec. 20.
Brassière. O. J. Edelmann. 1,849,514; Mar. 15.
Brassière. J. B. Greig. 87,142; June 7.
Brassière. S. Kunstadter. 1,841,960; Jan. 19.
Brassière. H. Malnick. 1,882,023; Oct. 11.
Brassière. B. C. Moreau. 1,848,536; Mar. 8.
Brassière. P. J. Moran. 1,865,381; June 28.
Brassière. H. D. Rose. 1,886,742; Nov. 8.
Brassière. G. B. Rutledge. 1,862,697; June 21.
Brassière. G. M. P. Yerkes. 1,871,106; Aug. 9.
Brassière and girdle, Combination. J. B. Dickson. Des. 86,501; Feb. 23.
Brassière, Bathing. E. S. Caldor. 1,878,755; Sept. 20.
Brazed or welded joint. L. R. Crouch. 1,878,829; Sept. 20.
Brazing. W. Noble. 1,884,141; Oct. 25.
Brazing rod. O. M. Krembs. 1,891,546; Dec. 20.
Bread baking machine same, Dough-wrapper affixed. L. E. La Bombard and M. H. Sidebotham. 1,864,493; June 21.
Bread box. R. dos Santos. 1,848,577; Mar. 8.
Bread box. A. Pingstone. 1,877,742; Sept. 13.
Bread, cakes, and other products of a similar nature, Making. W. J. McGroarty. 1,863,277; June 14.
Bread in bake ovens, Device for steaming. W. Klenk. 1,870,459; Aug. 9.
Bread molding device. A. Goldschlager and I. Raze. 1,881,054; Oct. 4.
Bread package. H. J. Taylor. 1,849,774; Mar. 15.
Bread slicing device. H. C. Tuttle. 1,867,993; July 19.
Bread slicing machine. I. C. Gellman. Des. 88,078; Oct. 25.
Bread slicing machine. H. Stukart. 1,884,912; Oct. 25.
Bread slicing machine. J. Zimmer. 1,866,960; July 12.
Bread transfer. Sliced. H. McAllister. 1,885,935; Nov. 1.
Breaker, Circuit. M. Centorrino. 1,886,790; Nov. 8.
Breaker control. J. C. Rea. 1,853,744; Apr. 12.
Breaker, Relay and circuit. L. A. Gebhard. 1,884,654; Oct. 25.
Breakwater, Floating. R. R. Roane. 1,846,278; Feb. 23.
Breather cap. H. E. Lemmerman. 1,864,604; June 28.
Breathing apparatus. F. M. Luchs and F. W. Koehler. 1,839,980; Jan. 5.
Breathing apparatus. H. V. Sturtevant. 1,873,160; Aug. 23.
Breathing apparatus. H. V. Sturtevant. 1,880,998; Oct. 4.
Breathing apparatus. W. Tamm. 1,847,909; Mar. 1.
Breathing. Apparatus for producing artificial. J. S. Waterman. 1,848,212; Mar. 8.
Breathing implement. A. H. L. Christensen. 1,849,567; Mar. 15.
Breeches. H. Z. Isaacs. 1,863,482; June 14.
Breeches. G. W. Rosenberg. 1,863,502; June 14.
Breeches. A. M. Weltzenhoffer. 1,880,570; Oct. 4.
Breeches, Riding. J. A. Lieberman and S. Caplin. Re18,541; July 26.
Brick. G. B. Kissinger. 1,850,884; Mar. 22.
Brick. G. B. Kissinger. 1,865,114; June 28.
Brick. E. F. Rammer. 1,855,987; Apr. 26.
Brick and brick work for hot blast stoves and the like. A. E. Anderson. 1,840,554; Jan. 12.
Brick and method, Refractory. R. P. Heuer. 1,886,185; Nov. 1.
Brick and other clay products, Salt-glazing. J. B. Whitacre. 1,867,294; July 12.
Brick and similar article and making the same, Vesicular. J. J. Brand. 1,851,660; Mar. 29.
Brick and the like, Making. H. O. Ahnell. 1,883,442; Oct. 18.
Brick and tile molding machine, Hollow. L. Frandsen. 1,858,620; May 17.
Brick, Apparatus for making tapestried. H. M. Fenati. 1,854,788; Apr. 19.
Brick, Apparatus for producing rough faced ornamental. E. C. Hervey. 1,856,055; Apr. 26.
Brick, block, slab, and the like. F. Humphris. 1,858,091; May 10.
Brick, Building. J. D. Davies. 1,870,102; Aug. 2.
Brick, Burning. N. B. Kendrick. 1,887,206; Nov. 8.
Brick construction, Imitation. J. J. Molnar. 1,840,244; Jan. 5.
Brick, Fire. G. L. Ticehurst. 1,862,246; June 7.
Brick-handling means. L. N. Dyhrberg. 1,876,211; Sept. 6.
Brick laying machine. W. H. Maxsen. 1,843,092; Jan. 26.
Brick, Making honeycomb. B. A. Schneider. 1,841,215; Jan. 12.
Brick making machine. R. P. M. Davis. 1,876,864; Sept. 13.
Brick making machine. L. D. Oliver. 1,875,258; Aug. 30.
Brick making machines, Attachment for. R. Isnehour. 1,847,966; Mar. 1.
Brick manufacture. G. Witty. 1,867,641; July 19.
Brick, Manufacturing building. M. T. Straight. 1,859,723; May 24.
Brick mold. D. J. Strickland. 1,854,079; Apr. 12.
Brick molding. D. J. Strickland. 1,883,398; Nov. 22.
Brick or block, Building. W. F. Walker. 1,844,922; Feb. 9.
Brick, Paving. F. B. Dunn. Re18,336; Jan. 19.
Brick press. F. H. Bankert. 1,869,995; Aug. 2.
Brick, Process of and apparatus for forming face. S. C. Duty. 1,888,376; Nov. 22.
Brick, Siphon arch. A. H. Willett. 1,880,062; Sept. 27.
Brick, Smudge. W. D. White. 1,863,517; June 14.
Brick testing machine, Portable. H. E. Walker. 1,874,838; Aug. 30.
Brick, Texturing face. E. M. Wyatt. 1,845,383; Feb. 16.
Bricks and building blocks, Closing the ends of the channels of molded hollow channel. T. Koidl. 1,860,584; May 31.
Bricks, Making building. H. M. Fenati. 1,849,366; Mar. 15.
Bricks, Manufacturing. A. J. Therrien. 1,857,671; May 10.
Bricks or the like, Manufacture of. T. Jones, R. Barker, and D. C. Murray. 1,840,396; Jan. 12.
Bridge. F. Auryansen. 1,866,613; July 12.
Bridge, Automatically adjustable continuous. E. M. Wichert. 1,842,136; Jan. 19.
Bridge construction. C. F. Shaffer. 1,852,338; Apr. 5.
Bridge, Fire. C. H. Greve and W. C. D. Schwarz. 1,861,388; May 31.
Bridge for an ophthalmic mounting. N. M. Baker. Des. 85,905; Jan. 5.
Bridge for an ophthalmic mounting. S. E. Bouchard. Des. 86,190; Feb. 16.
Bridge for ophthalmic mounting. N. M. Baker. Des. 88,617; Dec. 13.
Bridge for spectacles or similar article. E. R. Durgin. Des. 86,920; Jan. 5.
Bridge for stringed musical instruments. E. J. Dolan. 1,852,509; Apr. 5.
Bridge member for an ophthalmic mounting. A. Veillette. Des. 88,691; Dec. 13.
Bridge mold. F. W. Foley. 1,842,016; Jan. 19.
Bridge pier, Highway. J. B. Strauss. Des. 86,754; Apr. 12.
Bridge, Railroad rail joint. T. S. Thomas. 1,887,252; Nov. 8.
Bridge set accessory. H. Dahlman and D. Dahlman. 1,865,618; July 5.
Bridge scoring device. W. V. Degnlan. 1,858,075; May 10.
Bridge suspension strap, Reversible. H. D'Oller, Jr. 1,891,756; Dec. 20.
Bridge, Tower. S. Rzuckowski. Des. 87,797; Sept. 20.
Bridge, Vertical lift. E. E. Howard. 1,855,520; Apr. 26.
Bridges, Erecting. J. L. de Vou. 1,868,630; July 26.
Bridges, Erecting. C. G. E. Larsson. 1,850,507; Mar. 22.
Bridging structure, Builder's. V. C. Burgett. 1,852,917; Apr. 5.
Bridle, Tuyère stock. H. B. Jordan. 1,847,835; Mar. 1.
Brief case, Child's school. C. Marks. 1,851,918; Mar. 29.
Brine for refrigerating and other uses. A. C. White. 1,844,999; Feb. 16.
Brine, Heating. G. B. Burnham. 1,886,868; Nov. 8.
Brine, Making frozen. D. K. Warner. 1,854,428; Oct. 25.
Brine, Treating. G. N. Terziev. 1,861,763; June 7.
Brining apparatus. A. E. Cooke. 1,863,898; June 21.
Briquette and making same. G. Komarek. 1,860,743; May 31.
Briquette and making the same. G. Komarek. 1,860,465; May 31.
Briquettes, Apparatus for continuously producing. N. Plodin and G. Cornelius. 1,887,149; Nov. 8.
Briquette press. No. 1. Jones. 1,879,293; Sept. 27.
Briquettes, Apparatus for the carbonizing of. C. W. Sewell. 1,855,950; Apr. 26.
Briquettes from bituminous coal, Production of semi-coke. L. Weber. 1,875,287; Aug. 30.
Briquettes, Making. R. E. Willard. 1,871,104; Aug. 9.
Briquetting machine. R. V. Bowling. 1,881,397; Oct. 4.
Briquetting machine. E. J. Byerlein and F. Graf, jr. 1,860,075; May 24.
Briquetting machine. R. J. Pardee. 1,849,027; Mar. 8.
Briquetting press. W. Lindemann. 1,879,356; Sept. 27.
Bristle removing machine for hog carcasses. N. E. Wernberg. 1,865,492; July 5.
Bristles of brushes, Device for pointing. R. Izawa. 1,888,675; Nov. 22.
Bristling machine. R. Marogg. 1,891,236; Dec. 20.
Broach. H. A. Baker. 1,880,656; Oct. 4.
Broach. F. J. Lapointe. 1,881,705; Oct. 11.
Broach. O. Lundell. Re18,458; May 10.
Broach, D. H. West. 1,849,392; Mar. 15.
Broaching machine. H. Blood. 1,848,044; Mar. 1.
Broaching machine. F. J. Lapointe. 1,855,766; Apr. 26.

Broaching machine. F. J. Lapointe. 1,875,033; Aug. 30.
Broaching machine, Rotary. J. Oakley. 1,857,516; May 10.
Broaching machines. Feed mechanism for. L. Sandler. 1,864,322; June 21.
Broadcast distributing system, Wired. E. E. Clement. 1,869,356; Aug. 2.
Broadcasting receiver unit and generator therefor, Vehicle. C. E. Mouzey. 1,861,262; May 31.
Broadcasting system. J. H. Hammond, jr. 1,851,175; Mar. 29.
Broadcasting system. E. S. Purington. 1,859,465; May 24.
Broiler. C. M. Dibble and I. S. Holloway. 1,861,689; June 7.
Broiler. W. C. Lindemann. 1,851,853; Mar. 29.
Broiler. A. J. and W. C. Lindemann and A. T. Schmidt. 1,851,854–5; Mar. 29.
Broiler. M. B. O'Brien. 1,862,420; June 7.
Broiler, Adjustable extension. E. Pape. 1,852,087; Apr. 5.
Broiler, Charcoal. C. L. Kingsbaker. 1,883,946; Oct. 25.
Broiler construction. H. C. Maul. 1,840,460; Jan. 12.
Broiling apparatus. G. M. Krag. 1,880,205; Oct. 4.
Bromides, Making. C. W. Jones. 1,863,375; June 14.
Bromination products of the dibenzanthrone series. M. A. Kunz and K. Lubenow. 1,882,285; Oct. 11.
Bromine from sea water and the like, Continuous process for recovering. J. J. Grebe and R. H. Boundy. 1,885,235; Nov. 1.
Bromine from sea water and the like, Recovering. J. J. Grebe. 1,891,888; Dec. 20.
Bromine, Purification of. G. F. Dressel. 1,885,029; Oct. 25.
Bromine, Recovering. L. P. Curtin. 1,844,563; Feb. 9.
Bromo-n-benzanthronepyrazolanthrone. M. A. Kunz, K. Koeberle, and E. Berthold. 1,846,121; Feb. 23.
Bronze for welding. H. L. Spence. 1,840,921; Jan. 12.
Bronze for welding. H. L. Spence. 1,867,111; July 12.
Bronzing machine. F. R. Belluche. 1,839,913; Jan. 5.
Bronzing machine. F. R. Belluche. 1,878,098; Sept. 20.
Bronzing machine. F. R. Belluche. 1,882,743–4; Oct. 18.
Bronzing machine. F. R. Belluche. 1,890,666; Dec. 13.
Brooch, Clip. G. Trifari. 1,878,028; Sept. 20.
Brooch, Flower holding. T. Nagai. 1,851,205; Mar. 29.
Brooch or the like. E. A. Phinney. 1,852,188; Apr. 5.
Brood frame. G. B. Barker. 1,870,704; Aug. 9.
Brooder. J. C. Bohmker. 1,853,500; Apr. 12.
Brooder. A. Brower. 1,900,651; Mar. 22.
Brooder. F. N. Folsom. 1,841,723; Jan. 19.
Brooder. O. A. Giffen. 1,848,420; Mar. 8
Brooder. C. C. Grimes. 1,869,511; Dec. 20.
Brooder. W. Havens and C. J. Danielson. 1,874,745; Aug. 30.
Brooder. R. E. Hunter. 1,842,672; Jan. 26.
Brooder. A. C. McFeeters. 1,851,364; Mar. 29.
Brooder. W. Pavelec and J. A. Baker. 1,854,311; Apr. 19.
Brooder. G. Portela. 1,891,838; Dec. 20.
Brooder. L. F. Schmid. 1,864,862; June 28.
Brooder. R. C. Williams. 1,885,499; Nov. 1.
Brooder attachment. E. F. Paul. 1,871,554; Aug. 16.
Brooder, Chicken. R. A. Gorsuch. 1,850,347; Mar. 22.
Brooder, Electrically heated. M. Hunter. 1,861,119; May 31.
Brooder, Fireless. A. M. Pritchett. 1,866,054; July 5.
Brooder front. O. F. Carpenter. 1,840,224; Jan. 5.
Brooder heater. T. Landgraf and R. G. Miller. 1,875,032; Aug. 30.
Brooder, Poultry. H. M. Crawford and W. Pollock. 1,870,225; Aug. 6
Brooder, Storage. V. L. Graham. 1,883,710; Oct. 18.
Brooder, Storage. G. A. Spencer. 1,880,993; Oct. 4.
Brooder, Apparatus for heating. O. W. Swanson. 1,882,342; Oct. 11.
Broom. K. R. Clendening. 1,842,896; Jan. 26.
Broom. E. J. Veeder. 1,841,228; Jan. 12.
Broom attachment. J. J. Drotos and R. H. Crawford. 1,850,318; Mar. 22.
Broom construction and the like. C. B. Abbott. 1,842,058; Jan. 19.
Broom, Lawn. J. W. Lambert. 1,870,739; Aug. 9.
Broom mop. W. Auerbacher. 1,845,690; Feb. 16.
Broom mop. W. Auerbacher. 1,845,780; Feb. 16.
Broom mailing machine. A. Kamber. 1,851,708; Mar. 29.
Broom or brush, Metal. C. H. Feltham. 1,882,658; Oct. 18.
Broom, Road working. S. Owen. 1,849,722; Mar. 15.
Broom, Yard. J. H. Horstman. 1,887,480; Nov. 8.
Brooms and brushes, Manufacture of. C. and W. Barnett. 1,867,487; July 12.
Brush. T. R. Churchill. 1,848,868; Mar. 8.
Brush. G. C. Heaven. 1,860,572; May 31.
Brush. W. Dennis. 1,860,277; May 24.
Brush. I. F. Dittmar. 1,880,886; Oct. 4.
Brush. C. C. Gerhardt. 1,855,046; Apr. 19.
Brush. H. Herman. 1,850,233; Mar. 22.
Brush. P. Mednick. 1,889,211; Nov. 29.
Brush. E. Powell and M. E. Wilson. 1,852,189; Apr. 5.
Brush. M. Reh. 1,847,668; Mar. 1.
Brush. E. C. Rosenberg. 1,889,182; Nov. 29.
Brush. S. G. Weller. 1,849,322; Mar. 15.
Brush. O. U. Zerk. 1,889,394–5; Nov. 29.
Brush, Air. A. F. Jenkins. 1,849,300; Mar. 15.
Brush and buffer device, Combined. T. Owens. 1,856,289; May 3.
Brush and comb cleaner. F. Pfeffer. 1,849,733; Mar. 15.
Brush and device for forming the same, Shaving. H. A. Jarvins. 1,840,672; Jan. 12.
Brush and holding bristles in same. J. F. Connor. 1,879,103; Sept. 27.
Brush and razor, Combined shaving. G. A. Post. Des. 86,685; Apr. 5.
Brush and scraper, Tongue. C. P. Barrett. 1,891,864; Dec. 20.
Brush attaching device for scrubbing machines. H. J. Pond and W. Thielen. 1,875,138; Aug. 30.
Brush attachment for suction cleaner nozzles. E. F. Martinet. 1,884,044; Oct. 25.
Brush, Auto. M. H. Schlyfestone. 1,887,893; Nov. 15.
Brush, Bath. H. Tailor. 1,864,579; June 21.
Brush block assembly. F. L. Lee. 1,859,398; Jan. 5.
Brush, Bottle. A. Hannaford. 1,882,576; Oct. 11.
Brush bristling machine. E. R. Person. 1,846,141; Feb. 23.
Brush, Carbon. G. Klein. 1,889,834; Dec. 6.
Brush cleaner. H. Fuhr. 1,849,370; Mar. 15.
Brush comb. L. Hanson. 1,866,210; July 5.
Brush, Combination polishing. B. J. Levin. 1,870,057; Aug. 2.
Brush construction. E. Nielsen. 1,844,915; Feb. 9.
Brush construction. J. R. Silva and A. Krahmer. 1,879,552; Sept. 27.
Brush, Dynamo. H. M. Williams and A. L. Boegehold. 1,856,680; May 3.
Brush element and process. H. Cave. 1,871,775; Aug. 16.
Brush for cleaning boiler and condenser tubes, Making a. G. B. Vroom. 1,883,425; Oct. 18.
Brush for electrical apparatus. F. S. Marcellus. 1,887,559; Nov. 15.
Brush for electrical machines. R. L. Seabury and L. W. Murray. 1,884,293; Oct. 25.
Brush for electroplating and electrocleaning and anode for use therein. F. Conlin. 1,866,699; July 12.
Brush for vacuum cleaners and the like. H. T. Lang. 1,850,197; July 19.
Brush for washing automobiles. I. J. Lowder. 1,884,018; Oct. 25.
Brush for writing implements and the like. O. M. Tracy. 1,852,275; Apr. 5.
Brush, Fountain. R. E. Beckert. 1,889,309; Nov. 29.
Brush, Fountain. J. C. Eckstein. 1,889,419; Dec. 6.
Brush, Fountain. E. S. Garvey. 1,865,850; July 5.
Brush, Fountain. J. Giszti. 1,857,300; May 10.
Brush, Fountain. M. Lyons. 1,889,446; Nov. 29.
Brush, Fountain. C. Major. 1,839,768; Jan. 5.
Brush, Fountain. G. R. Tremolada. 1,878,027; Sept. 20.
Brush, Fountain lather. H. E. Medley. 1,857,857; May 10.
Brush, Fountain shaving. R. E. Smith. 1,873,669; Aug. 23.
Brush, Fountain shaving. R. W. von Hohenhoff. 1,872,853; Aug. 23.
Brush, Fountain shaving. M. von Radics and R. Lasker. 1,849,893; Mar. 15.
Brush, Hair. A. W. Lenfestey. 1,881,726; Oct. 11.
Brush handle. G. A. Bosler. 1,871,146; Aug. 9.
Brush handle. H. F. McMillan. 1,888,893; Nov. 22.
Brush head swinging device and control. J. M. Oberti. 1,885,540; Nov. 1.
Brush, keep and shaper, Individual. B. Searles. 1,872,827; Aug. 23.
Brush, Lather. W. A. Dillon. 1,875,426; Sept 6.
Brush lock. J. Bonardi. 1,889,970; Dec. 6.
Brush, Magazine shaving. A. Lancellotti. 1,858,452; May 17.
Brush, Making a. E. M. Hill. 1,872,037; Aug. 16.
Brush, Making a carbon cleaning. R. E. Ellingham. 1,874,475; Aug. 30.
Brush making machine. F. S. Boardman. 1,851,537; Mar. 29.
Brush making machine. W. D. Lipps. 1,888,353; Nov. 22.
Brush making machine. H. J. Thacher. 1,845,209; Feb. 16.
Brush making machine, Automatically acting. A. Mertes. 1,857,207; May 10.
Brush making machinery. C. and W. Barnett. 1,875,551; Sept. 6.
Brush mechanism for dynamo-electric machines. F. Carlstedt. 1,891,634; Dec. 20.
Brush, Metal. F. J. Quist. 1,878,323; Sept. 20.
Brush, Motor. H. B. Eynon. 1,885,903; Nov. 1.
Brush or similar article, Toilet. J. S. Wilcox. Des. 87,247; June 21.
Brush or similar toilet article. C. O. MacInnis. Des. 88,805; Dec. 27.
Brush, Paint. R. M. Allen and A. E. Dickinson. 1,876,572; Sept. 13.
Brush, Painter's striping. C. O. Robb. 1,862,430; June 7.
Brush picking and macerating machine. W. E. Goble. 1,883,694; Oct. 18.
Brush, Polishing. C. E. Frost. 1,885,706; Nov. 1.
Brush preserving case. R. Kamm. 1,869,753; Aug. 2.
Brush, Reservoir. C. Maher. 1,859,402; May 24.
Brush, Reversible resilient. J. I. Anderson. 1,889,029; Nov. 29.

Brush rigging, Manufacture of. A. W. Phelps. 1,856,723; Sept. 6.

Brush rigging mechanism for scherbius sets and like cascades for connecting two power systems. R. G. Standervick. 1,887,567; Nov. 15.

Brush, Rotary. L. C. Herold. 1,869,102; July 26.

Brush, Rotary. W. Raisch. 1,871,007; Aug. 9.

Brush, Rotary. R. Sanz. 1,855,142; Apr. 19.

Brush, Rotary tooth. A. F. Errington and G. L. Headley. 1,891,470; Dec. 20.

Brush, Scrubbing. M. Soss. 1,867,896; July 19.

Brush, Selector. R. A. Road and F. J. Redmond. 1,859,470; May 24.

Brush, Shaving. J. J. Gottschalk. 1,870,847; Aug. 9.

Brush, Shaving. J. W. Leenhouts. 1,840,589; Jan. 12.

Brush, Shaving. H. R. Priest. 1,847,496; Mar. 1.

Brush, Shaving. D. Verkoun. 1,870,756; Aug. 9.

Brush, Shaving. J. R. Silva and A. Krahmer. 1,879,553; Sept. 27.

Brush, Shaving. H. E. Simmons. 1,875,167; Aug. 30.

Brush, Sponge. S. M. Arnold and A. Erber. 1,890,894; Dec. 13.

Brush, Stencil. J. Flockhart. 1,892,267; Dec. 27.

Brush support for floor machines. W. S. Finnell. 1,881,432; Oct. 11.

Brush suspending device. R. C. Seyforth. 1,857,407; May 10.

Brush, Toilet. E. Johnson. Des. 88,356; Nov. 22.

Brush, Tube coating. C. H. Stubbs. 1,863,950; June 21.

Brush with lifting member, Commutator. A. C. Henry. 1,872,948; Aug. 23.

Brushes for road sweeping machines. Arrangement of auxiliary. A. Ivarsy. 1,857,697; Nov. 15.

Brushing device for car cushion cleaning machines. E. M. Wilson. 1,886,571; Nov. 15.

Bubble cap oil distilling apparatus. M. L. Berryman. 1,865,818; July 5.

Bubble foam, Producing fine. N. Sandor. 1,856,510; May 10.

Buck and jamb for all plaster walls, Metal. I. A. Baum. 1,848,237; Mar. 8.

Buck and wood frame, Metal. I. A. Baum. 1,852,731; Apr. 5.

Buck, Fabricated. E. Davis. 1,849,033; Mar. 8.

Buck, Unhoisted lower. E. Davis. 1,861,493; June 7.

Bucket. F. Angelbeck. 1,866,074; July 5.

Bucket. W. J. Murdock. 1,849,950; Mar. 15.

Bucket. C. W. Page. 1,868,246; July 26.

Bucket. W. L. Thompson. 1,863,458; June 14.

Bucket and skip hoist, Grab. C. C. Hormel. 1,873,764; Aug. 23.

Bucket-box for vehicle tanks. A. Davis, jr. 1,844,868; Feb. 9.

Bucket, Clam. J. W. and W. E. Emerick. 1,882,489; Oct. 11.

Bucket, Clamshell. H. W. Botten. 1,864,793; June 28.

Bucket, Clamshell. H. E. Dunkelberger. 1,865,091; June 28.

Bucket clean-out mechanism for conveyers. W. H. Bosworth. 1,853,717; Apr. 12.

Bucket, Collapsible. A. Johnson. 1,843,164; Feb. 2.

Bucket, Concrete. E. McGivern. 1,875,174; Aug. 30.

Bucket, Concrete conveying. T. Wagener. 1,851,074; Mar. 29.

Bucket construction. J. W. Page. 1,852,671; Apr. 5.

Bucket, Drag. W. Lohman. 1,844,858; Feb. 9.

Bucket, Dragline excavating. O. R. and W. G. Humphreys. 1,882,147; Oct. 11.

Bucket, Excavating. J. J. Gault. 1,848,166; Mar. 8.

Bucket, Excavating. J. Hayward and H. J. Brendlin. 1,870,288; Aug. 9.

Bucket, Excavating. F. H. Hunt. 1,870,050; Aug. 2.

Bucket, Excavating. W. M. Nesbitt. 1,839,781; Jan. 5.

Bucket, Fruit picker's. R. C. Freimann and E. Evans. 1,875,585; Sept. 6.

Bucket, Grab. S. H. Priestman. 1,887,465; Nov. 8.

Bucket, Hoisting. J. D. Cummings and L. J. Hewitt. 1,863,899; June 21.

Bucket, Hoisting. J. L. Good and W. E. Click. 1,876,288; Sept 6.

Bucket lines, Adjustment means for. W. M. Venable. 1,869,989; Aug. 2.

Bucket lip. J. W. Page. 1,879,447; Sept. 27.

Bucket lip extension. D. H. Young. 1,872,866; Aug. 23.

Bucket, Minnow. G. H. Walker and E. R. Thorne. 1,883,135; Oct. 18.

Bucket tooth. E. B. Birkenbeuel. 1,867,871; July 19.

Bucket, Trolley. S. H. Durbin. 1,867,448; July 12.

Bucket wheel and like rotating member. C. W. Rice. 1,856,786; May 3.

Buckle. L. Alterson. 1,887,614; Nov. 15.

Buckle. C. E. Bartel. 1,865,074; June 28.

Buckle. S. N. Ricke-staff. 1,865,501; July 5.

Buckle. W. T. Bronson. 1,860,170; May 24.

Buckle. J. B. Freysinger. Des. 87,833; Sept. 27.

Buckle. W. F. Haas. Des. 87,465; Aug. 2.

Buckle. F. Hirsh. 1,886,545; Nov. 8.

Buckle. W. M. Hueseman. 1,885,445; Nov. 1.

Buckle. A. M. Kerngood. 1,875,319; Sept 6.

Buckle. J. Lavenson. 1,841,134; Jan. 12.

Buckle. D. Marinsky. 1,878,792; Sept. 20.

Buckle. W. Maslek. 1,881,799; Oct. 11.

Buckle. W. L. McDonald. 1,852,585; Apr. 5.

Buckle. C. F. Reynolds. 1,847,785; Mar. 1.

Buckle. S. Rosenthal. Des. 87,443; July 26.

Buckle. H. St. Pierre. 1,857,217; May 10.

Buckle. A. Sanders. 1,850,944; Mar. 22.

Buckle. W. D. Seibert. 1,873,219; Aug. 23.

Buckle. O. G. Sherman. Re18,549; Aug. 2.

Buckle. O. G. Sherman. 1,883,009; Oct. 18.

Buckle. B. H. White. Re18,539; July 26.

Buckle. F. L. Williams. 1,856,447; May 3.

Buckle and making same, Tongue. T. Russell. 1,882,369; Oct. 11.

Buckle assembling machine for webbing. L. W. Joyce and Oct. 11.

Buckle, Apparel. F. Hirsh. Des. 86,371; Mar. 1.

Buckle, Bale tie. A. L. Birch and J. E. Ott. 1,849,784; Mar. 15.

Buckle, Belt. J. O. Amberg. 1,876,196; Sept 6.

Buckle, Belt. W. Bruder. 1,849,119; Mar. 20.

Buckle, Belt. G. R. Blickhahn. 1,882,475; Oct. 11.

Buckle, Belt. K. Matheus. 1,877,416 Sept. 13.

Buckle, Belt. A. Meehan. 1,856,775; May 3.

Buckle, Belt. E. S. Mix. Des. 86,682; Apr. 5.

Buckle, Clothing. D. F. Dalton. 1,852,506; Apr. 5.

Buckle, Clothing. E. W. Brotherford. 1,851,730; Mar. 29.

Buckle connector or the like, Belt. B. B. Manaster. Des. 88,566; Dec. 6.

Buckle device, M. Sandler. 1,845,344; Feb. 16.

Buckle, Extensible. A. F. Kramer. 1,866,165; July 5.

Buckle, Fabric covered. S. Lerma. 1,859,098; May 17.

Buckle fastener. H. G. Whitehouse. 1,869,126; July 26.

Buckle, Foldable brace. C. H. Patten. 1,881,918; Oct. 11.

Buckle for belts or straps. T. A. McDermott and A. Meehan. 1,856,776; May 3.

Buckle for belts, straps, or the like. G. E. Haines. 1,868,828; July 26.

Buckle for garment supporters. M. Hawie. 1,859,702; May 24.

Buckle frame. W. L. Meyers. Des. 85,986; Jan. 12.

Buckle, Garment. A. H. Kerngood. 1,877,885; Sept. 20.

Buckle, Loop. R. J. Hodge. 1,865,854; July 5.

Buckle, Loop slide. G. H. Elwell. 1,854,544; Apr. 19.

Buckle, Loop slide. J. Meisbuss. 1,868,672; July 26.

Buckle or clasp. L. Alterson. 1,853,889; Apr. 12.

Buckle or similar article, Dress. A. F. Donovan. Des. 87,714; Sept. 6.

Buckle, Prong. J. Salisbury. 1,864,221; June 21.

Buckle, Sack. L. M. Crow. 1,867,499; July 12.

Buckle, Safety. C. Cooper. 1,856,337; May 3.

Buckle, Separable. F. W. Barrett. 1,848,407; Mar. 8.

Buckle, Separable. Theo. Russell. 1,853,884; Apr. 12.

Buckle, Shoe. W. L. Adamson. Des. 86,974; Mar. 1.

Buckle, Shoe. W. L. Gibbons. Des. 87,111; June 7.

Buckle, Shoe. W. L. Gibbons. Des. 87,303-4; July 5.

Buckle, Shoe. W. L. Gibbons. Des. 87,876; Sept. 13.

Buckle, Shoe. W. L. Gibbons. Des. 87,778; Sept 20.

Buckle, Shoe. A. R. Pascucci. Des. 86,853-8; Apr. 26.

Buckle, Shoe. S. M. Riker. Des. 86,475; Mar. 8.

Buckle, Shoe. S. M. Riker. Des. 87,024; Apr. 26.

Buckle, Slide. J. H. Domkee. 1,840,770; Jan. 12.

Buckle, Slide. J. H. Domkee. 1,844,274; Feb. 9.

Buckle, Slide. J. H. Domkee. 1,846,026; Feb. 23.

Buckle, Slide. J. H. Domkee. 1,846,710; Feb. 23.

Buckle, Slide. J. H. Domkee. 1,856,696-8; May 3.

Buckle, Slide. J. H. Domkee. 1,859,256; May 24.

Buckle, Slide. J. H. Domkee. 1,865,509; July 5.

Buckle, Slide. J. H. Domkee. 1,885,236-40; Nov. 1.

Buckle, Slide. P. E. Nevin. 1,851,741; Dec. 27.

Buckle, Slide. I. D. Ford. 1,873,871; Aug. 23.

Buckle, Slide. R. J. Hodge. 1,840,626; Jan. 12.

Buckle, Slide. R. J. Hodge. 1,887,066; Nov. 8.

Buckle, Slide. C. A. Mosgrove. 1,892,516; Dec. 27.

Buckle slide, Snap. T. Russell. 1,839,896; Jan. 5.

Buckrake, Power operated. L. R. Lauppe and R. E. Lauppe. 1,880,262; Oct. 4.

Buff. A. J. Bruce. 1,878,815; Sept. 20.

Buffer. E. E. Arnold. 1,870,827; Aug. 9.

Buffer. H. W. Bailey. 1,869,793; Aug. 2.

Buffer. I. F. Dittmar. 1,857,240; May 10.

Buffer. S. B. Haseltine. 1,852,567; Apr. 5.

Buffer and latch, Combined. A. J. Krueger. 1,854,657; Apr. 19.

Buffer and retainer, Door. D. M. Winans. 1,865,404; June 28.

Buffer, Door. E. J. De Guenther. 1,858,886; May 17.

Buffer, Door. J. R. Hughes. 1,855,713; Apr. 26.

Buffer, Drill shaft. E. P. Barclay. 1,841,929; Jan. 19.

Buffer for cutter bars, Recoil. N. B. Stone. 1,844,188; Feb. 9.

Buffer for railway cars. C. J. Nash and L. T. Canfield. 1,864,315; June 21.

Buffer for the bottom rails of sashes. T. W. Holt and C. S. Henderson. 1,854,615; Apr. 12.

Buffer, Manicuring. H. J. Stevenson and M. Kessler. 1,860,630; May 31.

Buffer mechanism, Diaphragm. C. W. Nicholas. 1,885,469; Nov. 1.

Buffer, Nail. J. B. Lyon. 1,868,985; July 26.

Buffer, Picker stick. H. Carlson. 1,850,495; Mar. 22.

Buffer-stem wear plate adjuster. M. S. Johnson. 1,862,857; June 14.

Buffing and abrasive device. B. A. Casper. 1,879,083; Sept. 20.

Buffing and drawgear, Central. R. T. Glascodine. 1,862,080; June 7.

Buffing and drawgear, Central. R. T. Glascodine. 1,890,779 ; Dec. 13.
Buffing and drawgear for railway vehicles, Central. R. T. Grascodine and R. L. Whitmore. 1,853,857 ; Apr. 12.
Buffing device for railway switches and the like. W. C. McWhirter. 1,869,604–5 ; Aug. 2.
Buffing machine. F. E. Bertrand. 1,856,126 ; May 3.
Buffing machine. E. F. Hopkins. 1,865,855 ; July 5.
Buffing machine. A. S. Johnson and H. W. Neunherz. 1,879,286 ; Sept. 27.
Buffing machine. C. R. Moon. 1,862,277 ; June 7.
Buffing machine, Automatic. E. W. M. Bailey. 1,857,832 ; May 10.
Buffing or polishing machine, Shoe last. W. G. Cousins. 1,879,108 ; Sept. 27.
Buffing wheel. J. F. A. Davis. 1,870,239 ; Aug. 9.
Buffing wheel. B. H. Divine. 1,890,502 ; Dec. 13.
Buffing wheel. G. E. Heyer. 1,852,885 ; Apr. 5.
Building. H. E. Conklin. Des. 88,142 ; Nov. 1.
Building. F. E. d'Humy. 1,886,944–5 ; Nov. 8.
Building. J. Kling. Des. 87,394 ; July 19.
Building. F. L. Markey. Des. 87,473 ; Aug. 2.
Building. H. J. Messier and J. K. Donaghy. Des. 88,251 ; Nov. 8.
Building. S. O'Neil. Des. 86,683 ; Apr. 5.
Building. T. L. Pflueger. Des. 88,255 ; Nov. 8.
Building. E. B. Wagoner. Des. 87,320 ; July 5.
Building. J. Watt. Des. 85,002 ; Jan. 12.
Building and arch construction, Long span. L. Davidson. 1,891,346 ; Dec. 20.
Building, Automobile storage. W. S. Rugg. 1,870,070 ; Aug. 2.
Building, Automobile storage. E. M. Wheelock. 1,849,470 ; Mar. 15.
Building block. D. H. Albright. 1,845,472 ; Feb. 16.
Building block. L. E. Phillips. 1,887,170 ; Nov. 8.
Building board. E. S. Sheperd. 1,891,732 ; Dec. 20.
Building board, Plaster surfaced. C. A. Upson. 1,856,603 ; May 3.
Building, Combination tenement and storage. E. Geiger. 1,841,530 ; Jan. 19.
Building, Compartment. C. E. Gillespie. 1,857,189 ; May 10.
Building, Concrete-and-iron multiple-floored. B. Bauer. 1,874,157 ; Aug. 30.
Building construction. W. H. Adams. 1,892,498 ; Dec. 27.
Building construction. E. H. Angier. 1,890,486 ; Dec. 13.
Building construction. A. F. Bemis. 1,876,198 ; Sept. 6.
Building construction. A. F. Bemis. 1,878,367 ; Sept. 20.
Building construction. H. Boettcher. 1,858,701 ; May 17.
Building construction. M. A. Brisinger. 1,850,787 ; Mar. 22.
Building construction. E. O. Brostrom. 1,892,421 ; Dec. 27.
Building construction. R. Carvel. 1,856,906 ; May 3.
Building construction. O. P. Cherdron and C. W. Scott. 1,885,330 ; Nov. 1.
Building construction. F. S. Crowhurst. 1,877,274 ; Sept. 13.
Building construction. G. H. Ellis. 1,861,740 ; June 7.
Building construction. R. C. Graef. 1,852,049 ; Apr. 5.
Building construction. L. D. Harter. 1,841,807 ; Jan. 19.
Building construction. H. H. Hathaway. 1,875,242 ; Aug. 30.
Building construction. M. G. Hilpert and C. Weiss. 1,883,376 ; Oct. 18.
Building construction. W. H. Houghton. 1,887,132 ; Nov. 8.
Building construction. A. M. Hull. 1,868,168 ; July 19.
Building construction. L. J. Kantzler. 1,880,453 ; Oct. 4.
Building construction. L. Kirschbraum. 1,884,740 ; Oct. 25.
Building construction. G. F. Kotrbaty. 1,877,898 ; Sept. 20.
Building construction. G. E. Land. 1,872,984 ; Aug. 23.
Building construction. H. LaRoche. 1,886,962 ; Nov. 8.
Building construction. A. MacMillan. 1,851,125 ; Mar. 29.
Building construction. S. R. McKay. 1,858,715 ; May 17.
Building construction. A. McMillan. 1,851,137 ; Mar. 29
Building construction. C. A. Meiswinkel. 1,841,905 ; Jan. 19.
Building construction. A. M. Meyers. 1,850,118 ; Mar. 22.
Building construction. L. H. Miller. 1,842,795 ; Jan. 26.
Building construction. W. T. Otto. 1,847,891 ; Mar. 1.
Building construction. A. Pratt. 1,886,977 ; Nov. 14.
Building construction. A. B. Patterson. 1,857,326 ; May 10.
Building construction. G. F. Pawling. 1,839,496 ; Jan. 5.
Building construction. P. Pentland. 1,875,131 ; Aug. 30.
Building construction. H. W. Reel. 1,870,422 ; Aug. 9.
Building construction. O. A. Ross. 1,863,730 ; June 21.
Building construction. W. R. Simons. 1,870,967 ; Aug. 9.
Building construction. F. M. Venzie. 1,840,418 ; Jan. 12.
Building construction. F. M. Venzie. 1,855,896 ; Apr. 26.
Building construction. F. M. Venzie. 1,855,496 ; Nov. 1.
Building construction. F. M. Venzie. 1,891,511 ; Dec. 20.
Building construction. F. M. Venzie. 1,892,225 ; Dec. 27.
Building construction. L. Walthers. 1,883,141 ; Oct. 18.
Building construction. D. D. Whitaere. 1,872,200 ; Aug. 16.
Building construction. C. D. Willson. 1,884,462 ; Oct. 25.
Building construction. T. A. Wray. 1,854,438 ; Apr. 19.
Building construction. J. H. Young. 1,867,433 ; July 12.
Building construction and making the same. K. F. Bitner. 1,890,432 ; Dec. 6.
Building construction and wiring a building. J. H. Young. 1,855,082 ; Apr. 19.
Building construction, Concrete. J. S. Groves. 1,863,981 ; June 21.
Building construction, Soundproof. T. J. Foster. 1,857,369 ; May 10.
Building element, Metallic. J. A. Bohnsack. 1,883,870 ; Oct. 25.
Building for automobiles, Storage. J. D. Bell. 1,869,794 ; Aug. 2.
Building for use in sound recording. C. A. Volf, jr. 1,846,534 ; Feb. 23.
Building frame. A. F. Bemis. 1,873,264 ; Aug. 23.
Building, Insulated. C. A. Moore. 1,890,782 ; May 31.
Building iron. M. J. Medeiros. 1,848,791 ; Mar. 8.
Building material. J. H. Delaney. 1,849,399 ; Mar. 15.
Building material. J. H. Delaney. 1,874,922 ; Aug. 30.
Building material. G. H. Ellis. 1,857,534 ; May 10.
Building material. G. H. Ellis. 1,858,217 ; May 10.
Building material. R. W. B. Reade. 1,872,185–6 ; Aug. 16.
Building material and making same. L. Kirschbraun. 1,865,634 ; July 5.
Building material and retaining means therefor. H. C. Mortenson. 1,874,790 ; Aug. 30.
Building material, Cellular. K. Slidell. 1,859,539 ; May 24.
Building material, Insulating. G. L. Oswalt. 1,862,702 ; June 14.
Building material, Making a fibrous. E. C. Loetscher. 1,862,888 ; June 14.
Building material, Process and product of reenforcing. Floated. S. Q. Lee. 1,877,136 ; Sept. 13.
Building materials, Light weight. J. S. Peck and E. V. Barrett. 1,856,929 ; May 3.
Building of dirigible aircraft design. N. G. Lagios. Des. 86,127 ; Mar. 29.
Building pan, Crystal. T. and J. R. Ray. 1,860,118 ; May 24.
Building, Portable. H. E. Harvey. Des. 87,006 ; May 24.
Building product. W. M. Shakespeare. 1,871,090 ; Aug. 9.
Building products, Apparatus for making prepared. T. Robinson. 1,863,880 ; June 21.
Building, Restaurant. R. La Payne and C. F. Blake. Des. 87,080 ; May 31.
Building, Service. G. L. Rosebrook. Des. 86,140–2 ; Feb. 2.
Building, Service. G. L. Rosebrook. Des. 87,485–8 ; Aug. 2.
Building, Service station. W. D. Cyphers. Des. 88,223 ; Nov. 1.
Building, Service-station. E. B. Wagoner. Des. 86,691 ; Apr. 5.
Building set. J. B. Forbes. 1,845,258 ; Feb. 16.
Building set. A. E. Jury. 1,861,801 ; June 7.
Building stand. C. Morse. 1,889,561 ; Nov. 29.
Building, Storage. E. Geiger. 1,841,529 ; Jan. 19.
Building, Storage. H. D. James. 1,872,594 ; Aug. 16.
Building structure. E. H. Angier. 1,847,372 ; Mar. 1.
Building structure. C. I. Auten. 1,889,512 ; Nov. 29.
Building structure. F. L. Green. 1,889,547 ; Nov. 29.
Building structure. A. C. Horn. 1,848,474 ; Mar. 1.
Building structure. R. E. M. Pierrès. 1,879,467 ; Sept. 27.
Building structure. H. Rosenberg. 1,844,823 ; Feb. 9.
Building structure. F. M. Venzie. 1,845,772 ; Feb. 16.
Building structure. F. M. Venzie. 1,851,741 ; Mar. 29.
Building structure. F. M. Venzie. 1,860,398–9 ; May 31.
Building structure. F. M. Venzie. 1,862,127 ; June 7.
Building structure. F. M. Venzie. 1,862,728 ; June 14.
Building structure. F. M. Venzie. 1,863,734 ; June 21.
Building structure. F. M. Venzie. 1,879,778 ; Sept. 27.
Building structure. F. M. Venzie. 1,891,512 ; Dec. 20.
Building structures, Erecting. A. Durchholz. 1,887,835 ; Nov. 15.
Building unit. F. H. Halsey. 1,865,903 ; July 5.
Building unit. H. R. Reeder and W. Scott. 1,887,432 ; Nov. 8.
Building unit. E. M. Wyatt and K. Slidell. 1,843,184 ; Feb. 2.
Building ventilator. W. Kuehne and W. A. Murdock. 1,855,294 ; Apr. 26.
Building wall construction. J. H. Alles and G. Kohl. 1,857,995 ; May 10.
Buildings and like structures, Insulating. J. L. Finck. 1,883,774 ; Oct. 18.

Built-in table. D. A. Hildebrand. 1,877,401; Sept. 13.
Bulb adapter. S. F. Arnuckle. 1,865,073; June 28.
Bulb attachment. M. M. O'Lear. 1,855,557; Apr. 26.
Bulb, Electric lamp. K. Fuwa and Y. Shiraishi. 1,854,988; Apr. 19.
Bulb for combustion analysis, Absorption. W. D. Turner. 1,877,151; Sept. 13.
Bulb, Three filament. R. N. Falge. 1,859,661; May 24.
Bulb, tube, or other hermetically closed receptacle for incandescent electric lamps and similar devices and process of manufacture of the same. L. S. Vello. 1,861,167; May 31.
Bulbs, Incandescent electric lamp. H. H. Blau. 1,875,181; Sept. 6.
Bulbs on wire, Swaging. R. Moreschini. 1,858,306; May 17.
Bulkhead construction. F. J. Plym. 1,891,187; Dec. 13.
Bulkhead signal. W. G. Keith and J. A. Manarik. Des. 87,218; June 21.
Bulldozer, Hydraulic. R. R. Miller. 1,890,228; Dec. 6.
Bullet, Short range. J. Matthews. 1,892,158; Dec. 27.
Bulletin and blackboard, Combined. F. S. Blue. 1,852,000; Apr. 5.
Bulletin, Outdoor advertising. G. O. Overholtz. 1,886,898; Nov. 8.
Bullets, Identifying. G. Pocoroba. 1,887,324; Nov. 8.
Bumper. C. P. Daniel. 1,867,351; July 19.
Bumper. H. S. Jandus. 1,840,722; Jan. 12.
Bumper. A. F. Masury. 1,871,331; Aug. 9.
Bumper. A. B. Moore and J. R. Sibley. 1,855,253; Apr. 26.
Bumper and drawbar, Combination spring. G. E. Edmunds. 1,861,658; June 7.
Bumper, Automobile. J. G. Bray. Des. 87,871; Oct. 4.
Bumper, Automobile. T. I. Duffy. 1,858,541; May 17.
Bumper, Automobile. Erickson. 1,844,216; Feb. 9.
Bumper, Automobile. W. J. Gabel. 1,861,691; June 7.
Bumper, Automobile. M. B. Hammond. 1,857,635; May 10.
Bumper, Automobile. E. R. Jones. Re18,519; July 12.
Bumper, Automobile. L. Pat. 1,885,474; Nov. 1.
Bumper, Automobile. W. F. Sill and C. W. Pippin. 1,886,913; Nov. 8.
Bumper construction. H. R. Saxon. 1,857,065; May 3.
Bumper, Door. J. T. Atwood. 1,884,505; Oct. 25.
Bumper, Door. S. B. Atwood. 1,884,506; Oct. 25.
Bumper, Door. S. B. Atwood. 1,886,934; Nov. 8.
Bumper, Door. E. B. G. Lefevre and A. P. Fletcher. 1,840,907; Jan. 12.
Bumper extension and trunk rack, Combination. H. L. Brooke. 1,839,641; Jan. 5
Bumper for automobiles. M. B. Hammond. Des. 86,099; Jan. 26.
Bumper for automobiles. J. Llobet. 1,855,977; Apr. 26.
Bumper for automotive vehicles. A. C. Schmidt. 1,881,390; Oct. 4.
Bumper for dust mops and brooms. A. D. Sund. 1,857,668; May 10.
Bumper for vehicles. M. B. Hammond. 1,885,435; Nov. 1.
Bumper grinding machine. C. H. Homan. 1,881,629; Oct. 11.
Bumper guard. W. C. Jackson. 1,881,231; Oct. 4.
Bumper, Oscillative automobile. W. R. Tarte. 1,865,801; July 5.
Bumper, Rubber door. R. F. Anderson. 1,880,190; Oct. 4.
Bumper, Safety. J. A. Scheutz. 1,854,675; Apr. 19.
Bumper, Vehicle. H. E. Ridge. 1,843,902; Feb. 2.
Bumper, Vehicle. A. A. Thomas. 1,848,851; Mar. 8.
Bun splitter. F. J. Ehrlich. 1,879,796; Sept. 27.
Buns for sandwiches, Preparing. K. E. Bemis. 1,842,576; Jan. 26.
Bunch building mechanism. A. R. Hartley. 1,862,054; June 7.
Bunch former, Rerolling. S. Clausen. 1,888,789; Nov. 22.
Bundle binding and tying machine. G. D. Parker. 1,875,260; Aug. 30.
Bundle wrapping device. E. T. Straubel. 1,864,775; June 28.
Bung, Fermentation. J. B. Fischer. 1,866,763; July 12.
Bung fixture for sheet metal containers and attaching the same. C. W. Rieke. 1,851,938; Mar. 29.
Bung for containers. J. Rimmelspacher and E. Hepting. 1,878,327; Sept. 20.
Bung, tube, etc., Dehydrated cellulose. W. F. Henderson. 1,864,244; June 21.
Bunker, Refrigerator car ice. R. C. Pierce. 1,885,624; Nov. 1
Bunsen burner. A. T. Sponar. 1,844,302; Feb. 9.
Burglar alarm. B. Boyle. 1,888,371; Nov. 22.
Burglar alarm. D. E. Ferguson. 1,854,126; Apr. 12.
Burglar alarm. K. L. M. Fisher, and J. D. Coney. 1,849,918; Mar. 15.
Burglar alarm. K. Fujita. 1,849,003; Mar. 8.
Burglar alarm. A. F. Semon. 1,868,923; July 26.
Burglar alarm. W. H. Vickers. 1,844,726; Feb. 9.
Burglar and fire alarm. A. R. Morrison. 1,845,621; Feb. 16.
Burglar trap. E. E. Page. 1,857,395; May 10.
Burial casket. J. E. Falck. Des. 87,828; Sept. 27.
Burner; *See*—
Air and gas burner.
Automatic burner.
Bunsen burner.
Coal burner.
Combined gas and oil burner.
Combined oil and gas
Deodorant burner.
Fuel burner.
Garbage burner.
Gas and oil burner.
Gas burner.
Gasoline burner.
Hydrocarbon burner.
Liquid fuel burner.
Oil burner.
Oil fuel burner.
Plant bed burner.
Powdered fuel burner.
Sawdust burner.
Rotary oil burner.
Screenings burner.
Slack burner.
Spray burner.
Stubble burner.
Stump burner.
Sulphur burner.
Trash burner.
Turbulent burner.
Vapor burner.
Wick oil burner.
Burner. C. H. Butz. 1,841,169; Jan. 12.
Burner. L. C. Hyatt. 1,839,880; Jan. 5.
Burner. D. J. Irish. 1,883,739; Oct. 18.
Burner. C. C. Johnson. 1,892,238; Dec. 27.
Burner. L. C. Kuehner. 1,879,329; Sept. 27.
Burner. H. C. Lord. 1,854,749; Apr. 19.
Burner. J. E. Miller. 1,884,083; Oct. 25.
Burner. J. A. Morick. 1,853,568; Apr. 12.
Burner. J. M. Olinger. 1,847,946; Mar. 1.
Burner. F. M. Poore. 1,889,843; Dec. 6.
Burner. M. B. Smith. 1,844,187; Feb. 9.
Burner. A. H. Thompson. 1,879,202; Sept. 27.
Burner and container, Combined incense. C. J. Vinther. 1,851,742; Mar. 29.
Burner and draft control mechanism, Oil. E. I. Staples. 1,870,931; Aug. 9.
Burner and heater, Hydrocarbon. F. C. Hohenstein. 1,843,816; Feb. 2.
Burner and making the same, Gas. O. W. Anderson and E. E. Forrester. 1,867,526; July 12.
Burner and variable supply means therefor, Liquid fuel. H. Nightingale. 1,879,781; Sept. 27.
Burner apparatus control mechanism. A. C. Parker. 1,877,037; Sept. 13.
Burner apparatus, Flame cutting. L. J. Hancock. 1,844,574; Feb. 9.
Burner assembly for gas furnaces. R. E. Fraser. 1,862,182; June 7.
Burner assembly for oil burners, Nonexplosive. F. W. Finke, jr. 1,841,023; Jan. 12.
Burner construction, Oil. A. J. Frame. 1,869,242; July 26.
Burner control. R. J. Eiseman. 1,876,281; Sept 6.
Burner control. E. G. Magner. 1,878,389; Sept 6.
Burner control. C. L. Rayfield. 1,851,983; Apr. 5.
Burner control apparatus and system. J. C. Bogle. 1,883,243; Oct. 18.
Burner control, Electrically operated fluid fuel. I. E. McCabe. 1,884,045; Oct. 25.
Burner control mechanism. A. R. Hoeft. 1,875,239; Aug. 30.
Burner control mechanism. M. A. Powers. 1,848,838; Mar. 8.
Burner control mechanism, Gas. A. H. Tinnerman. 1,878,552; Sept. 20
Burner control, Multiple. G. E. Hulse. 1,844,959; Feb. 16.
Burner control system. J. A. Dahlstrom. 1,858,265; May 17.
Burner control system, Fuel. J. V. Breisky and T. Draper. 1,872,880; Aug. 23.
Burner control system, Fuel oil. H. L. Delaney. 1,866,472; Nov. 8.
Burner control system, Gas. J. C. Bogle. 1,853,194–6; Apr. 12.
Burner control system, Oil. J. C. Bogle. 1,883,242; Oct. 18.
Burner control system, Oil. K. S. Klinckmuller. 1,890,119; Dec. 6.
Burner control, Thermostatic. A. J. Donohue. 1,885,515; Nov. 1.
Burner device. F. C. Hohenstein. 1,881,314; Oct. 4.
Burner feed mechanism, Oil. C. L. Rayfield. 1,866,725; July 12.
Burner foot, Oil. W. E. Holt. 1,885,443; Nov. 1.
Burner for air heaters. G. Winsch. 1,841,565; Jan. 19.
Burner for autogenous fusing and welding under water. H. Topper. 1,852,946; Apr. 5.
Burner for pulverized fuel. E. J. Franklin. 1,874,488; Aug. 30.
Burner for pulverized fuel. H. A. Marston. 1,841,831; Jan. 19.
Burner for pulverulent fuel. W. Kleinow. 1,849,841; Mar. 15.
Burner for stoves, Gas. G. G. Alig. 1,839,366; Jan. 5.
Burner gas supply of uniform sulphur dioxide content, Producing a. W. H. Weinberg. 1,863,705; June 21.
Burner head, Oven. H. C. Maul. 1,854,661; Apr. 19.
Burner mechanism, Hydrocarbon. W. G. B. Olson. 1,865,782; July 5.
Burner regulating and relief device, Oil. C. H. Chalmers. 1,871,043; Aug. 9.

Burner spud, Gas. E. A. Hall. 1,874,970 ; Aug. 30.
Burner structure. S. J. Lonergan. 1,884,764 ; Oct. 25.
Burner structure. C. B. Overly. 1,839,584 ; Jan 5.
Burner supply system, Oil. C. L. Rayfield. 1,888,015 ; Nov. 15.
Burner system for finely divided fuels. B. M. Johnson. 1,845,753 ; Feb. 16.
Burner system, Oil. G. H. Messer. 1,858,837 ; May 17.
Burner tip. M. A. Richford. 1,875,394 ; Sept 6.
Burner tip, Gas. P. W. McCoy. 1,839,796 ; Jan. 5.
Burner unit for gas heating apparatus. H. W. O'Dowd. 1,869,942 ; Aug. 2.
Burner, for igniting devices. O. P. Yahnka. 1,888,404 ; Nov. 22.
Burners, Apparatus for controlling. D. G. Spahr. 1,870,010 ; Sept. 20.
Burners, Emergency control for oil. H. I. Piatt. 1,887,514 ; Nov. 15.
Burners, High and low flame control for gas. G. E. Burns. 1,858,441 ; May 22.
Burners, Increasing the efficiency of gas. C. C. Berg. 1,861,733 ; June 7.
Burnishing machine. M. R. Anstice and C. C. Ross. 1,890,443 ; Dec. 13.
Burning rack. H. T. Bebb. Re18,402 ; Mar. 29.
Burr reamer. M. E. Keil. 1,851,012 ; Mar. 29.
Burrs of welded metal tubing, Means to reduce the. J. F. Windsor. 1,884,467 ; Oct. 25.
Bus and switch station, Electrical. D. R. Davies. 1,883,881 ; Oct. 25.
Bus bar joint. C. B. Willmore. 1,863,429 ; June 14.
Bus clamp machine. A. Alsaker. 1,867,130 ; July 12.
Bus wheel driving unit. C. W. Miller and G. C. Goode. 1,872,486 ; Aug. 16.
Bushing. P. D. Slater. 1,849,206 ; Mar. 15.
Bushing and transformer, Combined insulating. G. E. Jansson. 1,868,606 ; July 26.
Bushing assembly for transformers and the like. L. C. Nichols. 1,870,121 ; Aug. 30.
Bushing attachment for valve grinding. B. H. Hawkins. 1,881,551 ; Oct. 11.
Bushing, Automatic take-up. E. F. Zaparka. 1,886,143 ; Nov. 1.
Bushing, Bonding. S. W. Borden. 1,860,801 ; May 31.
Bushing, Expansible. L. E. Church. 1,843,204 ; Feb. 2.
Bushing clamp. F. J. Reed. 1,872,340 ; Aug. 16.
Bushing, Condenser. O. Naef. 1,873,977 ; Aug. 30.
Bushing, Electrical. Aug. Adolph. 1,872,250 ; Aug. 23.
Bushing for electrical petroleum dehydrators, Insulator. J. M. Cage. 1,887,010 ; Nov. 8.
Bushing for high frequency high voltage current. G. H. Stevenson. 1,846,917 ; Feb. 23.
Bushing for high tension conductors, Insulating. A. N. Cryder and H. W. Simons. 1,850,867 ; Mar. 22.
Bushing for rotary member. E. Wanamaker. 1,863,774 ; June 21.
Bushing for winding cores, Expansible. J. A. Taylor. 1,877,753 ; May 17.
Bushing, Heavy current. A. O. Austin. 1,876,581 ; Sept. 13.
Bushing, High voltage. R. W. Atkinson. 1,868,962 ; July 26.
Bushing, Insulating. M. J. Cafero. 1,864,712 ; June 28.
Bushing, Kelly. A. Smith. 1,864,952 ; June 28.
Bushing packing. F. E. Payne. 1,891,725 ; Dec. 20.
Bushing, Reducing. L. S. Peck. 1,875,130 ; Aug. 30.
Bushing remover. H. W. Kulp and M. C. Dellinger. 1,879,333 ; Sept. 27.
Bushing remover and replacer. C. A. Wilson. 1,863,956 ; June 21.
Bushing retaining means for rotaries. E. E. Greve. 1,843,600 ; Feb. 2.
Bushing, Rotary table. W. A. Vock and F. M. Boswell. 1,839,780 ; Jan. 5.
Bushing, Slip. C. R. Alden. 1,864,707 ; June 28.
Bushing, Slip. C. R. Alden. 1,890,664 ; Dec. 13.
Bushing, Slip. C. R. Alden and C. A. Birkebak. 1,890,663 ; Dec. 13.
Bushing, Slip. G. R. Livergood. 1,849,102 ; Mar. 15.
Bushing, Steering column. C. W. Johnson. 1,879,287 ; Sept. 27.
Bushing, Steering column. F. C. Morris. Re18,352 ; Feb. 16.
Bushing structure. A. H. Bakken. 1,871,356 ; Aug. 9.
Bushing structure. H. Schwartz. 1,861,756 ; June 7.
Bushings, Apparatus for applying. G. E. Vance. 1,862,813 ; June 14.
Bushings, Forming oil grooved. E. Prentice. 1,847,099 ; Mar. 1.
Bushings on supporting pins, Assembling yieldable. W. A. Tryon. 1,888,642 ; Nov. 22.
Bushings, Process and apparatus for forming. C. H. Leis. 1,887,679 ; Nov. 15.
Bushings, Top cap assembly for high voltage. J. Rab. 1,877,586 ; Sept. 13.
Butt removing and husking mechanism for green corn. W. W. Morral and S. E. Morral. 1,873,455 ; Aug. 23.
Butt welding. C. W. Balke. 1,844,495 ; Feb. 9.
Butt welding, Apparatus for. C. Mark, jr. 1,864,139 ; June 21.
Butter chip. C. E. Milliron and J. F. Finnegan. 1,858,247 ; May 17.
Butter chip cutter. C. A. Brewer and P. J. Kury. 1,850,704 ; Mar. 22.
Butter cutter. J. M. Skelton. 1,851,991 ; Apr. 5.
Butter cutter. A. Slaten. 1,872,517 ; Aug. 16.
Butter cutting and block forming machine. A. and G. Sharp. 1,845,274 ; Mar. 1.
Butter cutting machine. C. Doering and H. Doering. 1,873,923 ; Aug. 23.
Butter fat from sour milk products, Obtaining the. H. D. Wendt. 1,861,559 ; June 7.
Butter forming and cutting machine, Automatic. C. Doering and H. Doering. 1,873,311 ; Aug. 23.
Butter machine. T. C. Rowland. 1,863,452 ; June 14.
Butter mold. H. Stewart. Des. 87,762 ; Sept. 13.
Butter slicing and dispensing machine. U. A. Micheli. 1,848,642 ; Mar. 8.
Butter wrapping machine. E. E. Epling. 1,880,378 ; Oct. 4.
Button. L. R. Carley. Des. 85,910–1 ; Jan. 5.
Button. L. R. Carley. Des. 86,665 ; Apr. 5.
Button. L. R. Carley. 1,876,854 ; Sept. 13.
Button. L. R. Carley and W. P. Abel. 1,862,076 ; June 7.
Button. J. M. Clark. 1,873,545 ; Aug. 23.
Button. H. E. Cowdrey. 1,851,618 ; Mar. 29.
Button. J. A. and W. A. Devenzo. 1,876,403 ; Sept. 6.
Button. A. F. Donovan. Des. 87,713 ; Sept. 6.
Button. I. D. Ford. 1,873,372–3 ; Aug. 23.
Button. W. F. Hass. Des. 87,433 ; July 26.
Button. S. Rosenthal. Des. 87,359 ; July 12.
Button. J. Shadlowsky. Des. 85,996 ; Jan. 12.
Button. J. Shadlowsky. Des. 86,647 ; May 26.
Button. G. E. Sharples. 1,858,686 ; May 17.
Button. C. E. Skoog. 1,841,160 ; Jan. 12.
Button assembly, Directory type push. C. Auth. 1,851,145 ; Mar. 29.
Button blank cutting machine. A. F. Keffo. 1,862,406 ; June 7.
Button chain clip, Upholstery. E. B. G. Lefevre. 1,873,607 ; Aug. 23.
Button clasp. M. H. Egnal. 1,839,659 ; Jan. 5.
Button, Collar. G. H. Harper. 1,849,006 ; Mar. 8.
Button, Collar. C. M. Williams. 1,873,170 ; Aug. 23.
Button, Cuff. A. D. Metcalf. Des. 86,888 ; May 3.
Button, Cuff. A. H. Metcalf. 1,875,090 ; Aug. 30.
Button, Detachable. A. Czop. 1,880,845 ; Oct. 4.
Button drilling machine. O. Witte. 1,863,737 ; June 21.
Button fastener. B. H. Auer. 1,845,737 ; Feb. 16.
Button for sign, Reflecting. T. R. Willwerscheid. 1,863,819 ; June 21.
Button, Garment. J. Shadlowsky. Des. 86,543 ; Mar. 15.
Buttonhole cutting mechanism. J. Kiewicz. 1,846,426 ; Feb. 23.
Buttonhole, Stitched. J. Pikul. 1,887,954 ; Nov. 15.
Button, Hose supporter. H. J. Stuart. 1,857,983 ; May 10.
Button in two portions, Bi. Baldus. 1,848,687 ; Mar. 8.
Button loop. J. H. Domkee. 1,885,336 ; Nov. 1.
Button loop. J. H. Domkee. 1,891,223 ; Dec. 20.
Button loop. R. J. Hodge. 1,844,282–3 ; Feb. 9.
Button loop. J. Salisbury. 1,875,933 ; Sept. 6.
Button machine, Multiple. N. B. Hafleigh. 1,863,478 ; June 14.
Button making machines, Attachment for. E. Clemens. 1,849,944 ; Feb. 9.
Button or similar article. A. J. Sundlun. Des. 86,288 ; Feb. 16.
Button or the like, Tufting. T. H. Newton. 1,845,762 ; Feb. 16.
Button, Permanently attached collar. J. Sansone. 1,870,527 ; Sept. 27.
Button, Press. K. Hollerer and A. Kadletz. 1,888,169 ; Nov. 15.
Button, Producing a composite. J. N. Whitehouse. 1,881,038 ; Oct. 4.
Button, Self adjusting collar. M. H. Goldman. 1,869,143 ; July 26.
Button, Shell. L. R. Carley. 1,876,853 ; Sept. 13.
Button spacer. J. M. Noel. 1,850,806 ; Mar. 22.
Button strip. L. L. Almond. 1,871,355 ; Aug. 9.
Button, Tack fastened. G. A. King. 1,854,845 ; Apr. 19.
Button, Tack fastened. G. A. King. 1,862,597 ; June 14.
Button, Thick edge tack fastened. P. E. Fenton and G. A. King. 1,841,578 ; Jan. 19.
Button, Traffic. C. P. Taylor. 1,839,276 ; Jan. 5.
Button, Tufting. R. C. Manson. 1,875,628 ; Sept. 6.
Button, Tufting. J. J. and N. H. Perlman. 1,881,962 ; Oct. 11.
Buttons and like articles, Process and apparatus for decorating. F. G. Purinton. 1,868,849 ; July 26.
Buttons, Combined filler and anvil for tack fastened. G. A. King. 1,841,739 ; Jan. 19.
Butyl alcohol-acetone seed mashes. Preparing. C. Haner jr. and O. Gamper. 1,880,760 ; Mar. 1.
Butyl phenol composition. R. R. Read. 1,887,662 ; Nov. 15.
By-pass for air cleaners. M. L. Blair. 1,853,496 ; Apr. 12.
By-products of iron and steel plants, Utilizing certain. H. McComb. 1,879,373 ; Sept. 27.
By-product recovery system, Operation of. S. P. Miller. 1,844,894–5 ; Feb. 9.
Cab for motor vehicles, Movable. A. H. Leipert. 1,852,464 ; Apr. 5.
Cab for vehicles. J. A. Bundy, J. Selzer, and J. H. Moritz. 1,850,445 ; Mar. 22.
Cab, Tractor. C. C. Fraise. 1,864,813 ; June 28.

Cab underframe. W. M. Sheehan. 1,891,954; Dec. 27.
Cabinet. H. A. Arnold. 1,861,320; June 7.
Cabinet. C. L. Brush. 1,859,643; Jan. 5.
Cabinet. D. Epstein. Des. 87,461; Aug. 2.
Cabinet. J. Fanarjian. 1,846,713; Feb. 23.
Cabinet. R. F. Forsyth. 1,883,776; Oct. 18.
Cabinet. R. B. Gale. 1,869,806; Aug. 2.
Cabinet. S. B. Hutton. Des. 86,571; Mar. 22.
Cabinet. H. Katzman. 1,877,514; Sept. 13.
Cabinet. J. W. Martin. 1,874,776; Aug. 30.
Cabinet. W. P. McHugh. 1,840,632; Jan. 12.
Cabinet. R. A. Pickens. Des. 87,539; Aug. 9.
Cabinet. T. D. Schaadt. Des. 87,596; Aug. 16.
Cabinet. J. Schuette. 1,847,986; Mar. 1.
Cabinet. J. J. Sheridan. Des. 86,582; Mar. 22.
Cabinet. N. M. Starck. 1,850,572; Mar. 22.
Cabinet. J. J. Wesley and W. J. Newton. 1,844,050; Feb. 9.
Cabinet, Amusement machine. J. F. Meyer. Des. 86,578–80; Mar. 22.
Cabinet, Amusement machine. J. F. Meyer. Des. 86,889; May 24.
Cabinet, Amusement machine. J. F. Meyer. Des. 87,934; Oct. 11.
Cabinet and clock, Combination radio. W. Scheibel. Des. 86,335; Feb. 23.
Cabinet and extensible top therefor. S. B. Hutton. 1,869,986; Dec. 27.
Cabinet and preventing condensation of moisture thereon, Air cooling. A. L. Lambert. 1,870,460; Aug. 9.
Cabinet and screen, Combined projected picture. A. D. Brixey. Des. 86,439; Mar. 8.
Cabinet and screen for a motion picture projector, Combined. J. Crowe. Des. 88,222; Nov. 8.
Cabinet and stand, Music. E. H. Tuttle. 1,874,143; Aug. 30.
Cabinet and table, Combined. H. Nonnast. Des. 87,402; July 19.
Cabinet, Baker's proofing. C. E. House. 1,858,086; May 10.
Cabinet bar. M. Booth. 1,862,654; June 14.
Cabinet, Book. G. A. Simons and G. Freeberg. Des. 86,294; Feb. 16.
Cabinet, Book filing. T. T. Haag. 1,849,521; Mar. 15.
Cabinet, Brooding. G. T. Markey, J. B. Olson, and R. Young. 1,850,351; Mar. 22.
Cabinet, Bullet-resisting. F. B. Peters. 1,875,488; Sept. 6.
Cabinet, Commodity. E. D. Davis. 1,873,557; Aug. 23.
Cabinet construction. H. E. King. 1,846,643; Feb. 23.
Cabinet construction. W. R. Rix. 1,859,798; May 24.
Cabinet construction, Refrigerator. W. D. Collins. 1,878,111; Sept. 20.
Cabinet cooler. L. W. Hassensall. 1,866,466; July 5.
Cabinet, Cooler. J. H. Pratt and F. B. Hunt. 1,846,039; Feb. 23.
Cabinet, Counterbalanced file. H. Muller. 1,854,756; Apr. 19.
Cabinet, Dental burr. L. M. Ciboch. 1,856,807; May 3.
Cabinet, Dish drying. L. R. Krause. 1,860,617; May 31.
Cabinet, Dispensing. A. H. Bechtol and W. A. Tratsch. Des. 87,380; July 19.
Cabinet, Dispensing. F. D. Harris. 1,845,598; Feb. 16.
Cabinet, Dispensing. W. S. Watts. Des. 87,608; Aug. 16.
Cabinet, Display. J. W. Holbrook. Des. 88,230; Nov. 8.
Cabinet, Display. H. W. Hollnad. Des. 86,231; Feb. 16.
Cabinet, Display. H. K. T. Sherwood and J. G. Moore. 1,891,580; Dec. 20.
Cabinet, Display. H. K. T. Sherwood and J. G. Moore. 1,891,581; Dec. 20.
Cabinet, Display. F. S. Upham. 1,882,345; Oct. 11.
Cabinet, Display and dispensing. C. Kaiser. 1,843,233; Feb. 2.
Cabinet, Display stand. L. W. Joyce. 1,871,179; Aug. 9.
Cabinet, Electric appliance inclosing. J. Sachs. 1,843,932; Feb. 9.
Cabinet, Electric meter protecting. J. Sachs. 1,841,213; Jan. 12.
Cabinet, Fermentation. C. H. Bailey. 1,859,613; May 24.
Cabinet, File. V. Gronberg. 1,841,330; Jan. 12.
Cabinet, File. J. H. Rand, jr., and E. Ohnstrand. 1,876,748; Sept. 13.
Cabinet, Filing. M. Kamenstein. 1,845,842; Feb. 16.
Cabinet, Filing. J. R. Mathie. 1,857,102; Nov. 8.
Cabinet, Filing. J. C. Seay. 1,874,367; Aug. 30.
Cabinet, Filing. R. J. Wood. 1,844,376; Feb. 9.
Cabinet, Film. W. Gluckman. 1,843,278; Feb. 2.
Cabinet, Food. F. W. and C. L. Holderle. 1,842,325; Jan. 19.
Cabinet, Food preserving. J. S. Beall. 1,868,487; July 26.
Cabinet for a combined clock and radio. G. B. Scheibell. Des. 85,970; Jan. 5.
Cabinet for a domestic refrigerator. H. Bohn. Des. 86,661; Apr. 5.
Cabinet for a drink mixer. P. Hawkins. 1,872,637; Aug. 16.
Cabinet for arc lamps. J. H. Wagenhorst. 1,860,913; May 31.
Cabinet for bulletin printers, Display. V. P. Weidner. Des. 87,768; Sept. 13.
Cabinet for cigars, etc., Dispensing. A. B. Valas. 1,882,168; Oct. 11.
Cabinet for coin controlled apparatus. G. F. Hochriem. Des. 87,747; Sept. 13.
Cabinet for filing fiat sheets. I. W. Eckstein. 1,891,921; Dec. 27.
Cabinet for game apparatus. T. K. Creal. Des. 85,915; Jan. 5.
Cabinet for packing china and glassware. G. B. Eckhardt. 1,866,455; July 5.
Cabinet for radio receivers. J. I. Benjamin. Des. 86,509; Mar. 15.
Cabinet for radio receiving apparatus. C. S. Bradley. Des. 85,974; Jan. 12.
Cabinet for radioreceiving apparatus. G. H. Rounds. Des. 87,360; July 12.
Cabinet for rugs and other textile fabrics, Display. A. J. Murphy. 1,878,454; Sept. 20.
Cabinet for telephones, Wall. C. F. Tholin. 1,886,068; Nov. 1.
Cabinet for therapeutic light. W. O. Prouty. Des. 86,686; Apr. 5.
Cabinet, Fowl. G. T. Markey. 1,843,138; Feb. 2.
Cabinet, Garbage can. C. F. Hale. 1,866,649; July 12.
Cabinet, Hair drying. T. J. Arbron. Des. 86,314; Mar. 1.
Cabinet, Heater. D. M. Dow and L. W. Child. Des. 86,357; Mar. 1.
Cabinet, Hosiery display. C. C. McGaugh. 1,873,140; Aug. 23.
Cabinet, Hygienic. R. O. Ferguson. 1,858,146; May 10.
Cabinet, Illuminating. F. W. Borden. 1,891,498; Dec. 20.
Cabinet inclosure. N. A. Best. 1,872,652; Aug. 23.
Cabinet, Individual towel. E. T. Halls. 1,874,741; Aug. 30.
Cabinet, Insulated file. C. F. Wolters. 1,876,192; Sept. 6.
Cabinet, Ironing board. O. P. Cramer. 1,858,765; May 17.
Cabinet ironing machine. H. A. Sperlich and J. H. Uhlig. 1,848,499; Mar. 8.
Cabinet, Kitchen. J. S. Cairns. Des. 86,105; Feb. 2.
Cabinet, Kitchen. H. L. Kuchins. Des. 87,160; June 14.
Cabinet, Kitchen. O. Schwantes. 1,873,492; Aug. 23.
Cabinet, Kitchen. F. Virchow. 1,884,412; Oct. 25.
Cabinet, Linoleum topped filing. G. H. Dawson. 1,865,805; Nov. 1.
Cabinet lock, Combination. G. D. Full, J. J. Neitz, J. M. Muntner, R. J. Buettner, and J. Birbaum. 1,847,392; Mar. 1.
Cabinet, Mechanically refrigerated. J. R. Replogle. 1,869,119; July 26.
Cabinet, Medical. W. O. Prouty. Des. 86,687; Apr. 5.
Cabinet, Metal. H. L. Hart. 1,846,485; Feb. 23.
Cabinet, Metal. E. J. Jones. 1,880,392; Oct. 4.
Cabinet, Metal filing. C. A. Johnson. 1,857,640; May 10.
Cabinet, Mothproofing. H. Eliot. 1,885,919; Nov. 1.
Cabinet, Motor vehicle. T. M. Zimmerman. 1,860,797; May 31.
Cabinet or file box, Filing. F. L. G. Straubel. 1,892,476; Dec. 27.
Cabinet or similar article of furniture. W. K. Kleaver. Des. 87,786; Sept. 20.
Cabinet, Panel board. H. J. L. Frank. 1,887,088; Nov. 8.
Cabinet particularly bookcase. A. Znidersic. 1,870,763; Aug. 9.
Cabinet, Paste dispensing. G. E. Koontz. 1,845,291; Feb. 16.
Cabinet, Portable dispensing. M. L. Hampton. 1,840,033; Jan. 5.
Cabinet, Portable dressing. C. Hala. 1,889,033; Nov. 29.
Cabinet-range. J. Brown. Des. 86,079–80; Jan. 26.
Cabinet, Refrigerated display. J. H. Carter. 1,841,277; Jan. 12.
Cabinet, Refrigerated display. A. L. Lambert. 1,874,551; Aug. 30.
Cabinet, Refrigerated display. A. W. Ruff. 1,845,682; Feb. 16.
Cabinet, Refrigerating. W. Fourness. 1,854,468; Apr. 19.
Cabinet, Refrigerating. J. E. Gloekler. 1,840,943; Jan. 12.
Cabinet, Refrigerating. M. A. Gloekler. 1,872,728; Aug. 23.
Cabinet, Refrigeration. C. T. Hansen. 1,859,239; May 17.
Cabinet, Refrigerator. D. R. Dobner. Des. 86,669; Apr. 5.
Cabinet, Refrigerator. D. R. Dobner. Des. 86,878; May 24.
Cabinet, Roll towel. C. W. Thompson. 1,849,120; Mar. 15.
Cabinet, Rotary. J. Godfrey. 1,867,145; July 12.
Cabinet, Sanitary milk. P. B. Grojean. 1,859,391; May 24.
Cabinet, Sewing. M. A. Davitt. Des. 87,625; Aug. 23.
Cabinet, Sewing machine. E. A. Kopf. 1,843,085; Jan. 26.
Cabinet, Sheet dispensing. S. N. Hope. 1,852,848; Apr. 5.
Cabinet, Shoe shining. F. B. De Brock. Des. 86,877; May 24.
Cabinet, Shower bath. J. O. Barce. 1,854,443; Apr. 19.
Cabinet, Shower bath. J. O. Barce. 1,859,017; May 17.
Cabinet, Shower bath. J. O. Barce. 1,879,782; Sept. 27.
Cabinet, Sign. J. C. Daley. 1,883,768; Oct. 18.
Cabinet, Sink. G. Nuebel. 1,853,989; Apr. 12.
Cabinet, Sterilizer. A. Danzer. 1,850,923; Mar. 22.
Cabinet, Sterilizing. J. F. Roberts. 1,842,204; Jan. 19.
Cabinet, Stove. F. J. Baker. 1,885,041; Oct. 25.
Cabinet, Telephone. O. J. Linder. 1,864,599; June 28.
Cabinet, Telephone. F. and A. Mastrangelo. 1,877,470; Sept. 13.

Cabinet, Ticket issuing machine. W. D. Teague. Des. 87,814; Sept. 20.
Cabinet, Towel. J. H. Addler. 1,839,721; Jan. 5.
Cabinet, Towel. H. Adller. 1,843,658; Feb. 2.
Cabinet, Towel. B. Belenson. 1,849,063; Mar. 15.
Cabinet, Towel. H. S. McCormick. 1,873,139; Aug. 23.
Cabinet, Towel. F. B. Post. Des. 87,356; July 12.
Cabinet, Towel. S. A. Schwartz. Des. 85,748; Apr. 12.
Cabinet, Towel. S. A. Schwartz. 1,860,207–8; May 24.
Cabinet type writ heater. L. P. Dwyer. 1,874,940; Aug. 30.
Cabinet, Typewriter. B. J. Dowd. 1,864,125; June 21.
Cabinet, Typewriter. L. C. Myers. 1,887,165; Nov. 8.
Cabinet, Vending. H. H. Heiser. Des. 87,353; July 12.
Cabinet, Vending machine. W. H. Rowe. 1,879,884; Sept. 27.
Cabinet, Visible index. R. A. Furlong. 1,891,381–2; Dec. 20.
Cabinet, Visible record. G. H. Dawson. 1,867,907; July 19.
Cabinet. Wall. L. F. Corrigan. 1,874,245; Aug. 30.
Cabinet, Wall. I. T. Frazier. 1,876,407; Sept. 6.
Cabinet, Wall. H. Jimpson. 1,869,807; Aug. 2.
Cabinet, Wall. F. and A. Masirangelo. 1,892,491; Dec. 27.
Cabinet with fountain, Combination radio and clock. J. Schmidt. Des. 87,086; May 31.
Cable and manufacturing same, Electrical. H. V. Wodtke. 1,865,415; June 28.
Cable, Apparatus for wrapping. G. R. Lunt. 1,890,739; Dec. 13.
Cable, Armored. E. J. Schneider. 1,863,169; June 14.
Cable bushing. G. C. Thomas, jr. 1,842,216; Jan. 19.
Cable clamp. T. Birkenmaier. 1,846,444; Feb. 23.
Cable clamp. E. K. Cole. 1,857,437; May 10.
Cable clamp. H. C. Fiege. 1,855,227; Apr. 26.
Cable clamp. A. G. Steinmayer. 1,852,031; Apr. 5.
Cable clamp. J. A. Teas. 1,852,351; Apr. 5.
Cable clamp. C. E. Wilkins and W. Rafferty. 1,855,620; Apr. 26.
Cable clip. R. E. Mantosh. 1,855,645; Apr. 26.
Cable concealing channel of a multiplex circuit, Operating a channel of differential. C. F. Nelson. 1,864,494; June 21.
Cable, Communication. A. R. Kemp. 1,892,279; Dec. 27.
Cable compacting press. F. H. Smith and H. A. Stringfellow. 1,890,016; Dec. 6.
Cable conductor, High voltage plural. E. F. Saylor. 1,846,361; Feb. 23.
Cable connecter. S. B. Matthes. 1,863,021; June 14.
Cable connector. G. C. Thomas, jr. Re18,634; Oct. 18.
Cable connection. R. Parrish. 1,845,679; Feb. 16.
Cable construction. E. O. Schweitzer. 1,846,070, Feb. 23.
Cable, Deep sea. O. Cords. 1,877,497. Sept. 13.
Cable, Electric. I. Branthwaite. 1,886,786; Nov. 8.
Cable, Electric. G. S. Johnson. 1,843,561; Feb. 2.
Cable, Electric. F. Palmer, 1,852,127; Apr. 5.
Cable, Electric. P. Torchio. 1,841,320; Jan. 12.
Cable, Electric communication. E. Kaempf. 1,854,795; Apr. 19.
Cable, Electrical. L. S. Ford. 1,860,498; May 31.
Cable, Electrical. O. A. Frederickson. 1,864,346; June 21
Cable, Electrical. G. A. Johnson. 1,841,130; Jan. 12
Cable, Electrical. D. H. Murphy. 1,863,347; June 14
Cable end take-up fitting. E. K. Cole. 1,879,636; Sept. 27.
Cable ends of suspension bridges, Anchoring the. G. Zapf. 1,888,753; Nov. 22.
Cable equalizer. A. Eggan. 1,869,471; Aug. 2.
Cable equalizing mechanism. L. H. Kiesling. 1,876,302; Sept. 6.
Cable fastening means. E. Menefee. 1,887,275; Nov. 8.
Cable fault detection and telephone system. M. A. Rudd and A. Z. Mample. 1,849,994; Mar. 15.
Cable, flexible shaft and the like, Bowden. W. R. Neate. 1,876,731; Sept. 13.
Cable forming apparatus. L. O. Reichelt. 1,882,902; Oct. 18.
Cable forming apparatus. G. A. Seeley. 1,866,272; July 5.
Cablegrip. W. J. Buehring. 1,851,153; Mar. 29.
Cable gripping device. B. H. Hopkins. 1,854,140; Apr. 12
Cable hanger. J. Blackburn. 1,875,697; Sept. 6.
Cable, High tension. M. Höchstädter. 1,849,624; Mar. 15.
Cable, High tension. M. Höchstädter. 1,849,873; Mar. 15.
Cable, Impregnated paper insulated, lead covered. D. W. Roper. 1,872,818; Aug. 23.
Cable impregnating apparatus. W. Neuhold. 1,866,418; July 5.
Cable-laying apparatus. F. B. Pitts, M. T. Garlinger, and T. C. Smith. 1,863,671; June 21.
Cable laying machine. F. B. Maloon. 1,854,617; Apr. 19.
Cable, Loaded submarine. J. J. Gilbert. 1,840,089; Jan 5.
Cable, Loaded Submarine. K. Goes and E. Badum. 1,868,264; Nov. 22.
Cable, Multiconnection hydraulic. H. Ernst. 1,891,670; Dec. 20.
Cable, Multicore oil-filled high-tension electric. L. Emanueli. 1,883,648; Oct. 18.
Cable or wire clamp. J. F. Haworth. 1,859,561; May 24.

Cable outlet. F. B. Wiegand and B. J. Schwendt. 1,891,253; Dec. 20.
Cable, Park. O. A. Frederickson. 1,858,772; May 17.
Cable protecting means, Drilling. W. H. Cater. 1,855,337; Apr. 26.
Cable pulling device. W. F. Kiesel, 3d. 1,865,113; June 28.
Cable reel. F. C. Coseo. 1,843,504; Feb. 2.
Cable reel. E. N. Hescock. 1,852,079; Apr. 5.
Cable reel, Adjustable. E. N. Hescock. 1,852,080; Apr. 5.
Cable reel and metal lagging. E. N. Hescock. 1,858,825; May 17.
Cable reel, Collapsible. N. M. Erdahl. 1,868,973; July 26.
Cable reel, Metal. E. N. Hescock. 1,891,709; Dec. 20.
Cable reel, Miner's firing. W. N. Nicewonger. 1,844,673; Feb. 9.
Cable reel trailer. E. E. Kellems. 1,839,320; Jan. 5.
Cable reel trailer. T. C. Smith, A. E. Freeman, and W. T. Livermore. 1,864,676; June 28.
Cable reel trailer. T. C. Smith and W. T. Livermore. 1,861,556; June 7.
Cable section for sectionalized cables, Armored. V. Gutmann and L. Steiner. 1,843,671; Feb. 2.
Cable securing means. H. A. Roe. 1,850,896; Mar. 22.
Cable sheath bonding. K. W. Miller and D. W. Roper. 1,858,838; May 17.
Cable, Shipping. A. O. Hoeftmann, O. A. McNamee, and J. J. Morrison. 1,859,141; May 17
Cable splicing apparatus. C. C. Sunderland. 1,850,697; Mar. 22.
Cable spinning apparatus, Bridge. C. C. Sunderland. 1,850,698; Mar. 22.
Cable splice. E. K. Cole. 1,857,436; May 10.
Cable splice. E. K. Cole. 1,886,247; Nov. 1.
Cable splice. C. E. Handel. 1,843,360; Feb. 2.
Cable splice. J. W. Novotny. 1,839,695; Jan. 5.
Cable staple, Insulated. K. Boggess. 1,841,353; Jan. 19.
Cable, Submarine. E. Fischer. 1,853,676; Apr. 12.
Cable, Submarine. R. H. McCurdy. 1,849,193; Mar. 15.
Cable, Submarine. E. K. Sandeman, P. T. Thomas, and S. H. Grove. 1,891,244; Dec. 20.
Cable, Submarine signaling. O. E. Buckley. 1,880,764; Oct. 4.
Cable, Submarine signaling. J. J. Gilbert. 1,861,851; June 7.
Cable, Submarine signaling. J. J. Gilbert. 1,874,281; Aug. 30.
Cable support. O. W. Brenizer. 1,869,407; Aug. 2.
Cable support. H. C. Welter and C. C. Van Denburg. 1,844,304; Feb. 9.
Cable support for high barriers. G. S. Smith. 1,851,735; Mar. 29.
Cable support for highway barriers. G. S. Smith. 1,859,575; May 24.
Cable tap. L. E. Graves and W. J. Edelmann. 1,876,663; Sept. 13.
Cable, Telephone. E. Fischer. 1,853,677; Apr. 12.
Cable, Telephone. F. Fischer. 1,874,481; Aug. 30.
Cable, Telephone. W. K. Weston. 1,856,676; May 3.
Cable telephony. R. C. Mathes and A. W. Horton, jr. 1,844,422; Feb. 9.
Cable terminal. J. C. Hale. 1,869,475; Aug. 2.
Cable terminal. C. L. McMaster and O. J. Gartner. 1,873,775; Aug. 23.
Cable terminal device. L. W. Kelsay. 1,844,125; Feb. 9.
Cable terminal holder and receptacle for house wiring systems. G. Carlson. 1,888,846; Nov. 22.
Cable testing equipment. H. S. Hubbard. 1,886,682; Nov. 8.
Cable testing system, Direct current high voltage. H. S. Hubbard. 1,867,407; July 12.
Cable winding machine, Flexible. H. W. Webb. 1,847,453; Mar. 1.
Cable with attached pompons. C. P. Schlegel. 1,847,902; Mar. 1.
Cables, Blocking device for. U. Terzoli. 1,841,857; Jan. 19.
Cables damaged by short circuiting, Locating the fault in the case of multi-conductor. W. Graf. 1,865,687; July 5.
Cables, Device for equalizing the strain on a group of suspension. L. B. Erwin. 1,854,132; Apr. 19.
Cables, Forming. N. Curtiss. 1,866,250; July 5.
Cables, Junction sleeves or the like for deep sea. V. Thiel. 1,866,235; July 5.
Cables, Method and apparatus for spinning bridge. C. C. Sunderland. 1,850,699; Mar. 22.
Cables of submarine mines, Device for cutting the. J. H. Soltzes. 1,877,072; Sept. 13.
Cables, Suspending and protecting aerial. T. Varney. 1,873,798; Aug. 23.
Cables through ducts, Threading. G. K. Jessup. 1,851,435; Mar. 29.
Cadmium containing glass and tubing made therefrom. W. H. Rising. 1,864,858; June 28.
Cadmium, Extracting and separating. S. Hughes and R. Teats. 1,869,259; July 26.
Caffein, Producing. J. W. Livingston and M. Luthy. 1,865,378; June 28.
Cage. F. S. Carver. 1,867,137; July 12.
Cage. C. H. Hennings. 1,882,142; Oct. 11.
Cage, Animal. A. R. Bliss, jr., and G. S. Bliss. 1,878,459; Sept. 20.
Cage, Bird. H. Charlton. 1,860,992; May 31.

Cage, Bird. C. F. Clamplitt. 1,887,869; Nov. 15.
Cage, Bird. A. M. Kroccek. 1,885,359; Nov. 1.
Cage, Bird. E. W. Little. Des. 86, 381; Mar. 1.
Cage, Elevator. T. Aulmann. 1,854,500; Apr. 19.
Cage for antifriction bearings. O. W. Young. 1,887,176; Nov. 8.
Cage for racing animals. Starting. J. F. White. 1,878,218; Sept. 20.
Cage for saving fats. J. Vaglio. 1,880,603; Oct. 4.
Cage lock. G. W. Merritt. 1,885,277; Nov. 1.
Cage Suspension, Reinforcing. O. A. Steuer and J. A. Carr. 1,846,767; Feb. 23.
Cage making machine. A. C. Sherman, M. B. Grant, and H. P. Hedderich. 1,871,751; Aug. 16.
Cage sleeves with ball guide, Integral, Making blind. E. E. Stevenson. 1,870,970; Aug. 9.
Cage supporting stand. E. W. Little. 1,849,100; Mar. 15.
Caisson and sinking the same. M. Blumenthal. 1,880,233; Oct. 4.
Caisson and sinking the same. A. G. Rotinoff. 1,853,379; Apr. 12.
Caisson construction. T. Byrne, jr. 1,847,814; Mar. 1.
Caissons, Method of and apparatus for forming. M. M. Upson. 1,839,358; Jan. 5.
Cake. J. W. Hawks. Des. 87,305; July 5.
Cake, Antimoth. M. Bordman. 1,848,412; Mar. 8.
Cake box. H. Hello. Des. 87,575; Aug. 16.
Cake display device. A. H. Biertuempfel. 1,847,687; Mar. 1.
Cake dropping machine, Cup. E. A. Adams. 1,866,589; July 12.
Cake dropping machine, Cup. M. Helland. 1,875,601; Sept. 6.
Cake icing machine. J. R. Litty and T. B. Lundin. 1,881,747; Oct. 11.
Cake pan. Hot. W. F. Coleman. 1,847,752; Mar. 1.
Cake pan. A. D. Boelter. 1,864,888; June 28.
Calcium boride. E. Noak and F. Schubert. 1,858,413; Mar. 8.
Calcium carbide cake and making the same. J. G. Davidson and H. F. Robertson. 1,867,965; July 19.
Calcium carbide, Cooling. G. E. Cox. 1,889,951; Dec. 6.
Calcium carbide, Making. A. O. Williams. 1,872,202; Aug. 16.
Calcium carbonate, Making precipitated. J. W. Church and H. G. Elledge. 1,872,891; Aug. 23.
Calcium chlorate. Manufacture of. S. B. Heath. 1,887,809; Nov. 15.
Calcium chloride and magnesium chloride from mixed solutions thereof, Separating. W. R. Collings. 1,843,781; Feb. 2.
Calcium chloride and magnesium chloride from mixed solutions thereof, Separating. W. R. Collings. 1,843,867; Feb. 2.
Calcium chloride and making same. S. B. Heath. 1,852,303; Apr. 5.
Calcium chloride-calcium chlorate product, Preparation of a mixed. S. B. Heath. 1,854,405; Apr. 19.
Calcium chloride, Preparing. O. V. Martin. 1,869,906; Aug. 2.
Calcium chloride, Preparing. O. V. Martin. 1,875,070; Aug. 30.
Calcium complex salts. H. Schmidt. 1,879,533; Sept. 27.
Calcium lactate from whey, Recovering. J. T. Travers. 1,850,643; Mar. 22.
Calcium-magnesium-chloride product and making same. E. O. Barstow and S. B. Heath. 1,884,222; Oct. 25.
Calcium molybdate, Producing. E. Pokorny. 1,873,475; Aug. 23.
Calcium nitrate and ammonium nitrate, Producing a mixture of. M. Larsson. 1,866,571; July 12.
Calcium nitrate and ammonium salts from phosphate rock and like phosphate material, Producing. E. Johnson. 1,849,309; May 3.
Calcium nitrate, Production of solid. C. Eyer. 1,849,082; Mar. 15.
Calcium phosphates rich in phosphoric acid soluble in water, Producing. F. C. Palazzo. 1,891,007; Dec. 13.
Calcium preparations, Manufacture of therapeutic. E. Rothlin. 1,865,141; June 28.
Calculating and card printing and perforating machine, Combined. N. W. Perkins. 1,884,189; Oct. 25.
Calculating and listing machine. G. C. Chase and L. R. Brown. 1,857,356; May 10.
Calculating and similar machine. A. E. Jones. 1,857,642; May 10.
Calculating apparatus. B. R. Wellington. 1,851,744; Mar. 29.
Calculating device. E. T. Frankel. 1,864,056; June 21.
Calculating device. E. T. Konig. 1,863,327; June 21.
Calculating device. W. J. Obidine. 1,867,888; July 19.
Calculating device. I. Rubinsky. 1,892,634; Dec. 27.
Calculating instrument. F. V. Becker. 1,881,165; Oct. 4.
Calculating machine. A. Baumann and C. F. Horlacher. 1,886,148; Nov. 1.
Calculating machine. J. Bergmann. 1,883,853; Oct. 18.
Calculating machine. W. M. Black. 1,870,705; Aug. 9.
Calculating machine. J. Bricken. 1,883,760; Oct. 18.
Calculating machine. E. F. Britten, jr. 1,849,169; Mar. 15.
Calculating machine. E. F. Britten, jr. 1,877,801–2; Sept. 20.
Calculating machine. L. R. Brown. 1,888,157; Nov. 15.
Calculating machine. L. R. Brown and A. A. Oberbury. 1,868,407; July 19.
Calculating machine. G. C. Chase. 1,841,170; Jan. 12.
Calculating machine. G. C. Chase. 1,842,384; Jan. 26.
Calculating machine. G. C. Chase. 1,845,863; Feb. 16.
Calculating machine. G. C. Chase and C. F. Schweitzer. 1,858,321; May 17.
Calculating machine. M. G. de Simone. 1,887,258–9; Nov. 8.
Calculating machine. H. E. Enders. 1,858,295; May 17.
Calculating machine. C. M. F. Friden. 1,849,349; Mar. 15.
Calculating machine. C. M. F. Friden. 1,858,397; May 17.
Calculating machine. C. M. F. Friden. 1,863,751; July 5.
Calculating machine. C. M. F. Friden. 1,866,023; July 5.
Calculating machine. C. M. F. Friden. 1,872,438–9; Aug. 16.
Calculating machine. C. M. F. Friden. 1,875,437; Sept. 6.
Calculating machine. C. M. F. Friden. 1,890,776; Dec. 13.
Calculating machine. C. Gardner. 1,864,193; June 21.
Calculating machine. C. Gardner. 1,867,002; July 12.
Calculating machine. C. Gardner. 1,874,700; Aug. 30.
Calculating machine. R. Hofgaard. 1,876,294; Sept. 6.
Calculating machine. R. Hofgaard. 1,876,296; Sept. 6.
Calculating machine. A. A. Horton. 1,853,050; Apr. 12.
Calculating machine. A. A. Horton. 1,853,052–3; Apr. 12.
Calculating machine. H. Isherwood. 1,886,685; Nov. 8.
Calculating machine. W. S. Johnson. 1,886,883; Nov. 8.
Calculating machine. Key. 1,846,307; Feb. 23.
Calculating machine. C. Luttropp. 1,889,023; Nov. 29.
Calculating machine. J. H. Magnus. 1,845,164; Feb. 16.
Calculating machine. J. Mayer. 1,862,901; June 14.
Calculating machine. F. O. Mueller. 1,881,852; Oct. 11.
Calculating machine. R. L. Muller. 1,844,070; Feb. 9.
Calculating machine. E. Munzer. 1,851,491; Mar. 29.
Calculating machine. G. Rieger. 1,848,549; Mar. 8.
Calculating machine. L. Taiamini. 1,867,603; July 19.
Calculating machine. J. A. V. Turck. 1,846,877; Feb. 23.
Calculating machine. J. A. V. Turck. 1,870,699; Aug. 9.
Calculating machine. E. C. Walter. 1,858,290; May 17.
Calculating machine. C. Wittenmyer. 1,840,378; Jan. 12.
Calculating machine. C. Wittenmyer. 1,840,424; Jan. 12.
Calculating machine. J. Wittun. 1,862,072; June 7.
Calculating machine attachment. H. L. Berger. 1,865,553; July 5.
Calculating machines, controlling one or more secondary machines. K. Elchenauer. 1,858,807; May 17.
Calculating machine, Multiple accumulator. N. W. Perkins. 1,874,210; Aug. 30.
Calculating machine, Visible writing. D. Y. Read. 1,888,144; Nov. 15.
Calculating machines, Attachment for. E. F. Britten, jr. 1,860,490; May 31.
Calculating machines, Multiplying mechanism for. A. Mattleoli. 1,842,975; Jan. 26.
Calculating machines, Multiplying mechanism for. C. B. Collins. 1,886,781; Nov. 8.
Calculating typewriting machine. C. Schlüns. 1,862,240; June 7.
Calculator. A. C. Meyer. 1,885,617; Nov. 1.
Calculator. T. Narahara. 1,880,148; Sept. 27.
Calculator, Aircraft course. O. Mueller. 1,853,740; Apr. 12.
Calculator casing. G. S. Robinson. Des. 87,979; Oct. 18.
Calculator, Course. A. D. Turner. 1,877,435; Sept. 13.
Calculator, Photometric. J. M. Bing. 1,864,180; June 21.
Calendar. G. H. Correll and D. R. Schnaars. 1,887,499; Nov. 15.
Calendar. E. S. Delancy. 1,868,595; July 26.
Calendar. M. C. Haley. 1,846,551; Feb. 23.
Calendar. O. B. Jeffreys. 1,890,117; Dec. 6.
Calendar. R. Kirsch. 1,867,079; July 12.
Calendar. H. E. Shedd. 1,866,425; July 5.
Calendar. R. F. Tatem. 1,880,020; Sept. 27.
Calendar. H. D. Tripp. 1,841,225; Jan. 12.
Calendar. W. D. White and C. W. MacMillan. 1,840,179; Jan. 5.
Calendar card exhibitor for clocks. R. V. Owen. 1,878,310; Sept. 20.
Calendar, Circular date. M. M. Mathers. 1,874,201; Aug. 30.
Calendar, Clock controlled. F. X. Gries. 1,846,962; Feb. 23.
Calendar device. S. Joseph. 1,845,500; Feb. 16.
Calendar, Illuminated advertising. L. E. Peck and J. H. Lambert. 1,877,044; Sept. 13.
Calendar, Mechanical. J. Mayer. 1,886,568; Nov. 8.
Calendar mechanism and associated penholder. L. V. Aronson. 1,864,709; June 28.
Calendar, Memorandum. H. S. Winzeler. 1,880,165; Sept. 27.
Calendar, Perpetual. H. C. Hanrott. 1,889,359; Nov. 29.
Calendar, Perpetual. O. Klein. 1,863,926; June 21.
Calendar, Perpetual. A. M. Kruger. 1,848,634; Mar. 8.
Calendar, Perpetual. G. M. Lee. 1,855,062; Apr. 19.
Calendar, Perpetual. W. C. Maior. 1,879,380; Sept. 27.
Calendar, Perpetual. F. L. Murphy. 1,876,729; Sept. 13.
Calendar, Reminder. C. B. Gray. 1,852,881; Apr. 5.
Calendar, Saving-box. H. J. Jepsen and K. C. Nielsen. 1,886,104; Nov. 1.
Calendering machine. T. E. Kane. 1,879,296; Sept. 27.
Calf weaner. C. C. Quinn. 1,882,232; Oct. 11.

Calf weaner. I. E. Thompson. 1,848,586; Mar. 8.
Calibrator or transmitter, Crystal controlled. A. Crossley. 1,843,415; Feb. 2.
Calibrator, Universal crystal controlled. R. H. Worrall. 1,866,441; July 5.
Caliper. J. J. Carney. 1,859,327; May 24.
Caliper. C. G. Erickson. 1,858,344; May 17.
Caliper, Indicating. F. Schneider. 1,849,959; Mar. 15.
Caliper or divider. H. H. Shelters. 1,858,116; May 10.
Caliper, Roll. C. F. Schnuck. 1,845,199; Feb. 16.
Calking machine. O. F. Eckroate. 1,849,078; Mar. 15.
Calking machine. R. Penman. 1,849,723; Mar. 15.
Call answering device for telephone stations. R. M. Bratan. 1,864,119; June 21.
Call distributing system. J. F. Dahl. 1,841,093; Jan. 12.
Call distributing system. J. F. Dahl and W. W. Carpenter. 1,866,593; July 12.
Call distributing system for concentration circuits. W. B. Blanton. 1,860,722; Oct. 4.
Call indicator system. T. S. Skillman and L. G. Freeth. 1,859,475; May 24.
Calorimetry for burning gases of relatively low heating value. E. X. Schmidt. 1,869,585; Aug. 2.
Cam-actuated double-throw switch. W. Schaelchlin. 1,880,493; Oct. 4.
Cam, Adjustable. A. J. Engel. 1,869,055; July 26.
Cam and its mounting for a glass feeder. E. H. Curtis, jr. 1,864,187; June 21.
Cam and rocker arm intermittent movement. R. G. Fear. 1,850,955; Mar. 22.
Camber correcting device. J. C. Creagmile and F. H. Reiman. 1,890,515; Dec. 13.
Camber plates, Automatic. L. Unger. 1,878,030; Sept. 20.
Cambered spring. G. M. Eaton. 1,881,385; Oct. 4.
Cam chuck. J. H. Wagner. 1,843,073; Jan. 26.
Came and protected stay bar. W. Henderson. 1,858,775; May 17.
Cameo. M. Stamer. 1,891,248; Dec. 20.
Camera. L. Azarraga. 1,885,102; Nov. 1.
Camera. J. Cain. 1,887,991; Nov. 15.
Camera. A. W. Capps. 1,849,172; Mar. 15.
Camera. A. W. Caps. 1,855,789; Apr. 26.
Camera. D. E. Decker. 1,858,661; May 17.
Camera. W. Josselyn. 1,850,460; Mar. 22.
Camera. W. Josselyn. 1,876,143; Sept. 6.
Camera. T. B. Lamb. Des. 86,846; Apr. 26.
Camera. M. Noe. 1,845,230; Mar. 15.
Camera. H. L. Nelms. 1,842,561; Jan. 26.
Camera. S. I. Semel. 1,847,987–8; Mar. 1.
Camera. C. G. Keefe, jr. 1,880,960; Oct. 4.
Camera and projecting apparatus, Combined. F. H. Owens. 1,856,583; May 3.
Camera and projector, Cinematograph. A. W. Kingston. 1,851,912; Mar. 29.
Camera and sound recording apparatus, Combined photographic. G. Fear. 1,850,977; Dec. 20.
Camera attachment for tilting pictures. W. M. Whitlock. 1,861,169; May 31.
Camera, Automatic. A. M. Mannick. 1,873,654; Aug. 23.
Camera, Automatically focusing enlarging. W. A. Riddell. 1,840,468; Jan. 12.
Camera back. T. Zabrocki. 1,857,706; May 10.
Camera back and negative frame. A. B. Mueller. 1,882,293; Oct. 11.
Camera back, Rotary. W. H. Petit and E. S. Hineline. 1,885,261; Nov. 1.
Camera body. C. A. Bornmann. 1,858,575; May 17.
Camera, Chromotone or high speed. C. F. Jenkins. 1,854,742; Apr. 19.
Camera, Combined motion picture and sound. F. H. Owens. 1,874,603; Aug. 30.
Camera, Combined motion picture and sound. F. H. Owens. 1,889,840; Dec. 6.
Camera, Combined moving picture and sound. E. I. Sponable. 1,874,712; Aug. 30.
Camera, Combined moving picture and sound. E. I. Sponable. 1,879,573; Sept. 27.
Camera construction and assembling same. C. C. Fuerst. 1,861,850; June 7.
Camera device. S. Hershberg. 1,841,811; Jan. 19.
Camera, Film. C. H. Kesses. 1,847,531; Mar. 1.
Camera film and spool loading device. J. P. Barr. 1,867,488; July 12.
Camera film replacing device, Studio. F. Rebner and P. Kent. 1,872,040; Aug. 16.
Camera focusing system. W. F. Rudolph, J. R. Hunt, and H. G. Cunningham. 1,856,432; May 3.
Camera, Folding. L. Goldhammer. 1,873,927; Aug. 23.
Camera, Folding photographic. M. Gosselin. 1,851,095; Mar. 29.
Camera for color photography. J. H. Dowell. 1,839,955; Jan. 5.
Camera for roll films, Photographic bellows. F. Guttermuth. 1,886,951; Nov. 8.
Camera frame elevator. M. King. 1,883,798; Oct. 18.
Camera frames, Carriage adjustment for. M. King. 1,883,797; Oct. 18.
Camera front. C. A. Bornmann. 1,883,512; Oct. 18.
Camera lens and filter mount. A. J. Ginsberg. 1,873,758; Aug. 23.
Camera mechanism. F. W. Lutz and A. Brieehle. 1,863,573; June 21.
Camera, Motion picture. A. C. Hayden. 1,891,262; Dec. 20.
Camera, Motion picture. O. A. Ross. 1,851,448; Mar. 29.
Camera, Motor operated motion picture. P. A. Stephenson. Re18,902; June 21.
Camera, Moving picture. L. Lasowsky. 1,883,987; Oct. 25.
Camera, Multilens aerial. A. Brieehle, F. W. Lutz, and G. Rattray. 1,890,074; Dec. 6.
Camera, Photographic. O. Barnack. 1,858,385; May 17.
Camera, Photographic. A. S. Howell. 1,859,207; May 17.
Camera, Photographic. B. Mayer. 1,871,717; Aug. 16.
Camera, Photographic. F. H. Owens. 1,884,169; Oct. 25.
Camera, Precision. A. T. Koppe. 1,847,010; Feb. 23.
Camera, Precision copying. A. T. Koppe. 1,846,972; Feb. 23.
Camera, Roll-film. C. R. Seeling. 1,864,768; June 28.
Camera, Self-focusing. L. G. Simjian. 1,866,581; July 12.
Camera shutter. T. W. Case. 1,872,404; Aug. 16.
Camera shutter. L. W. Lessler. 1,883,998; Oct. 25.
Camera shutter. L. Ludwig and E. Böhme. 1,886,283; Nov. 1.
Camera shutters, Exposure signal for. C. M. Norris 1,850,469; Mar. 22.
Camera, Sketching. R. Schwabe. 1,871,807; Aug. 16.
Camera, Sound picture. L. M. Potts. 1,882,893; Oct. 18.
Camera stand, Universal. L. J. Higginbotham. 1,855,964; Apr. 26.
Camera, Stereoscopic motion picture. F. B. Crosier. 1,878,382; Sept. 20.
Camera, Three-color cinematographic. J. A. Ball. 1,871,649; Aug. 16.
Camera tripod-clutch. J. M. Bing. 1,846,382; Feb. 23.
Camera with convex mirror. M. Pinkosh. 1,879,949; Sept. 27.
Camera with spring motor drive, Motion film. O. Steiner. 1,892,412; Dec. 27.
Cameras and the like optic apparatus, Prism carrier for. L. P. Lemaire. 1,886,204; Nov. 1.
Cameras, Attachment for motion picture. V. R. Raby and D. W. Warren. 1,839,587; Jan. 5.
Cameras, Attachment for motion picture. G. S. Warren. 1,868,583; July 12.
Cameras, Body construction for. C. C. Fuerst and J. Christie. 1,857,502; May 10.
Cameras, Combined shutter and film winding mechanism for photographic. A. J. Denniss and W. Dockree. 1,839,953; Jan. 5.
Cameras, Focusing device for motion picture. A. Fried. 1,871,571; Aug. 23.
Cameras, Lap dissolver for motion picture. F. H. Owens. 1,881,904; Oct. 11.
Cameras, Method and apparatus for automatic photographic portrait. S. I. Sax. 1,877,598; Sept. 13.
Cameras, Movement shift and focusing tube arrangement for motion picture. J. R. Hunt. 1,856,482; May 3.
Cameras, Plate holder for stereoscopic. E. E. Draper. 1,870,611; Aug. 9.
Cameras, Reflective attachment for. E. L. Kinnaman. 1,890,993; Dec. 13.
Cameras, Self-erecting front mechanism for. C. C. Fuerst. 1,870,620; Aug. 9.
Cameras, View finder for. J. Mihalyi. 1,849,308; Mar. 15.
Cam gripping fixture. L. C. Shippy and J. Q. Holmes. 1,872,224; Aug. 23.
Cam lapping machine. S. Player and H. S. Indge. 1,843,301; Feb. 2.
Cam locating and staking machine. G. E. Tubbs 1,849,990; Jan. 12.
Cam mechanism for glass blowing machines. R. G. Allen. 1,853,714; Apr. 12.
Cam milling machine. N. M. Marsilius. 1,881,794; Oct. 11.
Cam operating mechanism. L. E. Howard. 1,871,692; Aug. 16.
Cam shaft shift control means. E. Richter and M. Richter. 1,873,481; Aug. 23.
Camp chair, Folding. E. E. Frey. 1,867,819; July 19.
Camp table. W. A. Snyder. 1,862,911; June 14.
Campaign pin. W. L. Gibbons. Des. 86,882; May 3.
Camphor, Recovery of. G. J. Esselen, jr. 1,875,731; Sept. 6.
Camping outfit. E. J. Lang. 1,855,296; Apr. 26.
Can: *See*—
  Ash can.
  Dispensing can.
  Fluid dispensing can.
  Interior collar can.
  Key opening can.
  Measuring and dispensing can.
  Paper or fiber can.
  Paper bodied can.
  Pouring can.
  Oil can.
  Oil lubricating can.
  Sealed can.
  Sheet metal can.
Can. C. A. Anderson. 1,856,941; May 3.
Can. S. A. Bennett. 1,848,101; Mar. 8.
Can. W. H. Hegenberger. 1,872,585; Aug. 16.
Can adjusting or reshaping machine. A. J. Hollars. 1,876,678; Sept. 13.
Can and closure therefor, Metal. A. G. Hopkins. 1,861,570; June 7.
Can and closure therefor, Metal. A. G. Hopkins. 1,888,319; Nov. 22.

Can and making the same, Sealed. H. Sebell. 1,857,665; May 10. 1,842,447; Jan. 26.
Can and sealing same. H. Schibsted. 1,891,452; Dec. 20.
Can and sifter therefor, Talcum powder. C. Koze. 1,861,602; June 7.
Can attachment, Oil. G. W. Richburg. 1,871,824; Aug. 16.
Can basket self-centering system. J. A. Martocello. 1,854,343; Apr. 19.
Can bodies, Apparatus for preparing drum head. F. P. Dickens. 1,842,447; Jan. 26.
Can bodies, Apparatus for preparing drum head. J. Dister. 1,846,319; Feb. 23.
Can bodies, Forming and hiring cylindrical. A. L. Kronquest. 1,863,446; June 14.
Can body blank folding machine. W. E. Burns. 1,872,670; Aug. 23.
Can body flanging machine. H. Hermani. 1,854,170; Apr. 19.
Can body maker. J. F. Peters. 1,875,353; Sept. 6.
Can bodies, Nesting. M. L. Dodge and P. E. Pearson. 1,886,171; Nov. 1.
Can closure. L. Hirsch. 1,866,467–8; July 5.
Can closure. L. Hirsch and E. A. Harriss. 1,848,011; Mar. 1.
Can closure. L. Hirsch and E. A. Harriss. 1,863,336; June 14.
Can closures, Forming. L. Hirsch. 1,866,469; July 5.
Can closures, Manufacturing. L. Hirsch and E. A. Harriss. 1,847,108; Mar. 1.
Can closures, Manufacturing. L. Hirsch and E. A. Harriss. 1,848,012; Mar. 1.
Can closures, Manufacturing. L. Hirsch and E. A. Harriss. 1,863,337; June 14.
Can conveying and dumping apparatus. H. D. Lathrop. 1,901,572; June 7.
Can covers, Method of and apparatus for making pouring spout. W. R. Lord. 1,842,455; Jan. 26.
Can delivery mechanism. F. F. Wolf. 1,876,191; Sept. 6.
Can dumping mechanism. H. D. Lathrop. 1,861,634; June 7.
Can end, to a can body, Attaching a. H. Sebell. 1,847,271; Mar. 1.
Can ends containing a sealing compound, Apparatus for drying. F. Krueger. 1,875,469; Sept. 6.
Can ends containing a sealing compound, Apparatus for drying. F. Krueger and H. Douglass. 1,865,020; June 28.
Can ends containing a sealing compound, Apparatus for drying. F. Krueger and H. Douglass. 1,891,646; Dec. 20.
Can ends with curled edges, Forming flanged. H. J. Douglass. 1,890,936; Dec. 13.
Can feeder and timer. A. R. Thompson. 1,843,996; Feb. 9.
Can feeder for vertical coolers. A. R. Thompson. 1,889,908; Dec. 6.
Can feeder, Automatic. J. Gasper. 1,862,479; June 7.
Can feeding apparatus. E. G. Bauer. 1,869,653; Aug. 2.
Can feeding machine. L. D. Titus. 1,891,195; Dec. 13.
Can filler. C. W. Vogt and G. O. Wymond. 1,851,106; Oct. 4.
Can filling and closing machine. J. Cereghino. 1,850,200; Mar. 22.
Can filling apparatus. H. Hoffmeister. 1,855,675; Apr. 26.
Can filling device. C. H. Ayars. 1,846,827; Feb. 23.
Can filling machine. C. H. Ayars. 1,883,460; Oct. 18.
Can filling machine. M. L. Dodge. 1,891,870; Dec. 20.
Can filling machine. O. H. Hansen. 1,886,012; Nov. 1.
Can filling machine. N. C. Nicholson. 1,891,830; Dec. 20.
Can filling machine. J. Pearson. 1,880,471; Oct. 4.
Can handling apparatus. R. C. Sneed. 1,853,383; Apr. 12.
Can heading and sealing machine. H. S. Hogan. 1,884,850; Oct. 25.
Can heading machine. C. Gueritey. 1,868,897; July 26.
Can labeling machine. C. H. Wild. 1,864,288; June 21.
Can liner. H. C. Clayburgh. 1,840,487; Jan. 12.
Can liner, Sanitary garbage. C. D. Kniffin. 1,886,406; Nov. 8.
Can making and apparatus. W. E. Burns. 1,874,887; Aug. 30.
Can, Making a. H. Sebell. 1,888,413; Nov. 22.
Can opening machine. G. P. Ames. 1,845,213 Feb. 16.
Can or receptacle, Sealed. R. A. Yeomanson. 1,862,449; June 7.
Can perforating and pouring attachment. L. B. Jackson. 1,863,853; June 21.
Can positioning and feeding machine. A. H. Nelson. 1,886,896; Nov. 8.
Can seamer, Hand. J. H. Burpee. 1,888,583; Nov. 22.
Can-seamer head, Double. N. B. Anderson. 1,862,290; June 7.
Can set. S. N. Tevander. 1,845,362; Feb. 16.
Can tester. M. E. Widell. 1,884,942; Oct. 25.
Can testing machine. W. Dieter. 1,851,755; Mar. 29.
Can testing machine. P. Kruse. 1,873,602; Aug. 23.
Can testing machine. C. D. McDonald and B. A. Deisch. 1,861,542; June 7.
Can testing machine, Automatic. J. H. O'Neil. 1,865,384; June 28.
Can top punching implement. B. Geer. 1,866,642; July 12.
Can turning machine. J. Hauk. 1,869,477; Aug. 2.
Can turning mechanism. H. Hermani. 1,881,187; Oct. 4.
Can vacuumizing and sealing machine. N. Troyer and P. E. Pearson. 1,891,851; Dec. 20.
Can vent. T. J. Olds. 1,852,475; Apr. 5.
Can washing and feeding mechanism. C. H. Ayars. 1,850,067; Mar. 22.
Can washing machine. C. F. McEwan. 1,884,052; Oct. 25.
Can washing machine. C. F. McEwan and W. H. Paulson. 1,846,564; Feb. 23.
Can washing machine. J. P. McKinley. 1,845,313; Feb. 16.
Can washing machine. J. R. Roberts. 1,852,627; Apr. 5.
Can wrapping and key placing machine. J. F. Mose. 1,843,488; Feb. 2.
Cans and the like, Apparatus for making paper. R. A. Bennett. 1,855,216; Apr. 26.
Cans and vacuumizing the cans prior to sealing, Apparatus for closing. A. L. Kronquest. 1,865,320; June 28.
Cans, Attachment for oil. E. H. Morrow. Re18,526; July 12.
Cans, Feeding device for. W. P. Sledge and J. Le Frank. 1,850,480; Mar. 22.
Cans, Mechanism and method for making. W. R. Meyers. 1,867,857; July 19.
Cans or the like, Attachment for paint. A. E. Astley. 1,865,736; July 5.
Cans with inert gas, Apparatus for filling vacuumized. A. E. Lindstrom. 1,847,189; Mar. 1.
Candelabra. M. W. Reh. Des. 87,484; Aug. 2.
Candle. M. A. Hirsch. 1,857,987; May 10.
Candle and method relating thereto. H. H. Root. Re18,623; Oct. 18.
Candle and method relating thereto. H. H. Root. 1,863,416; June 14.
Candle and method relating thereto. H. H. Root. 1,867,420; July 12.
Candle, Electric. G. Graff. Des. 85,929–31; Jan. 5.
Candle holder machine and process. R. S. Allyn. 1,850,118; Sept. 27.
Candle or similar article, Christmas. S. Littwin. Des. 86,130; Feb. 2.
Candle, Ornamental. R. S. McClaughry and R. Skowronski. 1,863,758; June 21.
Candles and the product thereof, Molding of beeswax. L. W. Geller. 1,849,023; Mar. 15.
Candlestick. D. H. Crosser. 1,870,208; Aug. 2.
Candy bar. C. F. Haug. Des. 86,959; May 17.
Candy bar. A. Reiche. Des. 88,109; Oct. 25.
Candy centers and to candy center making machine employing such method, Producing. T. and C. Werner. 1,886,858; Nov. 8.
Candy chest. B. Hawkins. Des. 86,454; Mar. 8.
Candy conditioning apparatus. E. J. Hambrecht. 1,851,973; Apr. 5.
Candy goods, Handling. D. M. Bernotow. 1,891,908; Dec. 27.
Candy, Manufacturing puffed. W. Greenwood. 1,855,670; Apr. 26.
Candy ornamenting machine. F. Petrovic. 1,852,855; Apr. 5.
Candy package. C. C. Chase. 1,873,286; Aug. 23.
Candy polishing machine. A. B. Putzel. 1,853,996; Apr. 12.
Candy sugaring mechanism. M. Harding. 1,876,224; Sept. 6.
Candy treating machine. F. G. Henry. 1,840,095; Jan. 5.
Cane juice, Defecating. T. B. Wayne. 1,887,879; Nov. 15.
Cane mill. F. Farrel, Jr. 1,845,140; Feb. 9.
Cane mill. B. P. Luce. 1,855,664; Apr. 26.
Canister. F. H. Drexler. 1,862,301; June 7.
Canister for breathing apparatus, Purifying. R. H. Davis. 1,889,015; Nov. 29.
Canned goods, Apparatus for freezing. D. G. Sorber. 1,892,224; Dec. 27.
Canning machine. A. E. Walker. 1,883,136; Oct. 18.
Cannon. L. L. Driggs, Jr. 1,858,487; May 17.
Canopy. A. B. Crosthwait. 1,888,909; Nov. 22.
Canopy for casket illumination, Illuminated. H. S. Headland. 1,871,611; Aug. 16.
Canopy retaining means. J. B. Glowacki. 1,841,726; Jan. 19.
Canopy stem. R. S. Aspinwall. 1,882,312; Oct. 11.
Cant hook for barrels. O. H. Schlebecker. 1,879,532; Sept. 27.
Cantilever device. G. Berg. 1,854,393; Apr. 19.
Cantilever spring. R. W. Davis. 1,844,088; Feb. 9.
Canvas attachment, Platform. C. E. Nelson. 1,869,707; Aug. 2.
Canvassing appliance. G. F. Sanders. 1,874,631; Aug. 30.
Caoutchouc, Stabilizing natural and artificial types of. G. Kaliner. 1,862,270; June 7.
Cap. I. Graber. Des. 86,519; Mar. 15.
Cap. E. MacDonald. 1,864,251; June 21.
Cap. F. W. Peetz. 1,856,967; May 3.
Cap. H. Rabushka. 1,839,341; Jan. 5.
Cap. A. Silberstein. 1,856,230; May 3.
Cap. H. Wagenfeld. 1,886,992; Nov. 8.
Cap. T. W. Woodward. 1,880,644; Oct. 4.
Cap and condenser for high frequency circuits, Combination. L. J. Bartolph. 1,861,621; June 7.
Cap and drinking cup for heat-insulated bottles, Combined. M. P. Wetmore. 1,855,039; Apr. 19.

Cap and fastener, Shaker bag. E. J. Kunkely. 1,882,221; Oct. 11.
Cap and producing the same, Bottle. A. H. Warth. Re18,648; Nov. 8.
Cap, Automobile radiator. A. F. Masury. Des. 87,931; Oct. 11.
Cap, Bathing. H. Brosch. 1,874,879; Aug. 30.
Cap, Bathing. M. S. Lower. 1,877,411; Sept. 13.
Cap, Bathing. J. H. Whitcomb. Des. 87,421; July 19.
Cap, Blasting. W. de C. Crater. 1,887,290; Nov. 8.
Cap, Bottle. M. A. Bobrick. 1,891,794; Dec. 20.
Cap, Bottle sealing. E. H. Fabrice. 1,875,431; Sept. 6.
Cap, Coiffure retaining. M. Stone. 1,870,298; Aug. 9.
Cap, Collapsible tube. M. L. Angelini. 1,886,514; Nov. 8.
Cap, Corking. W. J. Vibert. 1,888,643; Nov. 22.
Cap construction. W. R. Cuthbert. 1,872,064; Aug. 16.
Cap construction, Bubbler. W. G. Laird. 1,873,137; Aug. 23.
Cap, Container. E. J. Brennan. Des. 87,709; Sept. 6.
Cap, Cover-all. F. J. Klist. 1,845,421; Feb. 16.
Cap, Deflator. C. E. Maynard. 1,876,715; Sept. 13.
Cap, Dispensing. J. J. McDonald. 1,862,973; June 14.
Cap, Electric plug. P. Lauter. Des. 86,614; Mar. 29.
Cap feeding machine. C. T. Small. 1,842,053; Jan. 19.
Cap, Filler. K. E. Stant. Des. 88,677; Dec. 13.
Cap for automobile gasoline tanks, Locking. W. Linfert and W. T. Walters. 1,879,359; Sept. 27.
Cap for bottles. C. W. Crookshank. 1,866,841; July 12.
Cap for carboy casing. J. R. Moscrop. 1,885,534; Nov. 1.
Cap for closing bottles, jars, and other containers. E. A. Blanch. 1,871,945; Aug. 16.
Cap for closing paper containers, Metal. L. Olt. 1,871,907; Aug. 16.
Cap for collapsible tubes. F. J. Costello. 1,862,662; June 14.
Cap for collapsing tubes, Self closing. G. A. Gleason. 1,881,488; Oct. 11.
Cap for containers. B. F. Borro. 1,842,309; Jan. 19.
Cap for cups, etc., Temporary. C. Gebhard. 1,890,460; Dec. 13.
Cap for flashing. C. A. Earley. 1,868,888; July 26.
Cap for gasoline and other tanks, Lock. J. I. Burroughs. 1,878,436; Sept. 20.
Cap for gasoline tanks, Fill. G. W. Isbell. 1,861,395; May 31.
Cap for gasoline tanks, Self locking. E. B. Fairchild. 1,839,662; Jan. 5.
Cap for jars and the like. A. Mitchell. 1,867,167; July 12.
Cap for paste tubes. L. Schneer. 1,866,177; July 5.
Cap for paste tubes. A. F. Sether. 1,858,419; May 17.
Cap for radiator necks and the like. L. A. Jarvis. 1,848,954; Mar. 8.
Cap for receptacles. G. A. Williams. 1,871,831; Aug. 16.
Cap for tubes. E. L. Hornsey. 1,843,559; Feb. 2.
Cap for tubular bodies or cores. E. W. Beble. 1,889,139; Nov. 29.
Cap for vaporous liquid tanks. G. J. Seiss. 1,850,730; Mar. 22.
Cap for water coolers. S. J. Benn. Des. 88,140; Nov. 1.
Cap frame, Double ring. M. Ingham. 1,864,020; June 21.
Cap, Hub. F. R. Reutter. 1,884,238; Oct. 25.
Cap, Knitted. P. Iwan. 1,845,279; Feb. 16.
Cap lining machine. E. V. Swearer. 1,870,151; Aug. 2.
Cap, One piece vacuum. C. Hammer. 1,841,598; Jan. 19.
Cap or article of similar nature, Automobile radiator. P. C. Davis. Des. 88,011; Jan. 26.
Cap or closure for receptacles. L., J. E., and W. H. Davidson. 1,882,180; Oct. 11.
Cap or head for electric cables, End. W. C. Hayman and C. A. Piercy. 1,892,551; Dec. 27.
Cap or similar article, Automobile radiator. L. Lowery. Des. 85,947; Jan. 5.
Cap or similar article, Container. L. A. Von Till. Des. 86,816; Apr. 19.
Cap or similar article, Knitted. A. Epstein. Des. 86,360; Mar. 1.
Cap or similar article, Radiator. J. Jones. Des. 86,124; Feb. 2.
Cap, Paste tube. K. E. Bemis. Des. 87,249; June 28.
Cap, Percussion. H. E. Kaiser. 1,852,054; Apr. 5.
Cap, Percussion. C. W. Parmelee. 1,875,143; Aug. 30.
Cap, Radiator. H. V. Henderson. Des. 86,521; Mar. 15.
Cap, Radiator. G. A. Johnson. Des. 86,572; Mar. 22.
Cap, Radiator. G. A. Johnson. Des. 87,007; May 24.
Cap, Radiator. G. A. Johnson. Des. 87,925; Oct. 11.
Cap, Radiator. G. A. Johnson. Des. 88,301; Nov. 15.
Cap, Radiator. R. K. Lee. 1,872,764; Aug. 23.
Cap, Radiator. D. E. McQueary. Des. 86,092; Jan. 26.
Cap, Radiator. W. Nelson. 1,884,132; Oct. 25.
Cap, Radiator. L. J. Smith. Des. 87,029; May 24.
Cap, Radiator. K. E. Stant. Des. 87,007; Oct. 11.
Cap removing tool. Bottle. R. Rettich. Des. 87,644; Aug. 23.
Cap, Rotary vacuum sealing. C. Hammer. 1,841,597; Jan. 19.
Cap, Sanitary self-closing. C. T. Mills, jr., and E. A. Parker. 1,888,007; Nov. 15.
Cap stretching and re-shaping implement. E. R. Phares. 1,875,178; Aug. 30.
Cap, Tube. G. E. Aldridge. 1,882,697; Oct. 18.
Cap, Tube. K. L. Mosteller. 1,888,010; Nov. 15.
Cap, Twisting. R. Gollofer. 1,870,202; Aug. 2.
Cap, Vent. C. F. Dowrie. 1,868,730; July 26.
Cap, Wave. R. C. Kaplan. 1,845,606; Feb. 16.
Cap, Weather. J. C. Boyton. 1,839,945; Jan. 5.
Cap wrench. L. E. Baltzley. 1,887,615; Nov. 15.
Caps and the like, Making bathing. W. W. De Laney. 1,853,016; Apr. 5.
Caps and the like, Process of and machine for knitting. C. W. Stout. 1,843,101; Jan. 26.
Caps, Apparatus for forming sheet metal. G. R. Jeneson. 1,884,708; Oct. 25.
Caps for gasoline tanks, Closure. E. C. Blanchard. 1,889,036; Nov. 29.
Caps in cups with rolled edges, Securing. C. Barbieri. 1,846,670; Feb. 23.
Caps, Making bottle. C. J. Parker. 1,858,279; May 17.
Capacitator, Improved. W. M. Bailey. 1,881,164; Oct. 4.
Capacitor. R. J. Norton. 1,843,622; Feb. 2.
Capacitor and forming the same. B. J. Butler. 1,862,297; June 7.
Capacitor test, Variable. V. M. Graham. 1,873,704; Aug. 23.
Capped pin. D. I. Reiter. 1,853,880; Apr. 12.
Capping device. H. A. Stone. 1,878,343; Sept. 20.
Capping head. A. W. Swentor. 1,865,402; June 28.
Capping machine. J. H. Leahy. 1,882,380; Oct. 11.
Capping machine. L. P. Sinz. 1,871,924; Aug. 16.
Capping machine. E. G. Wessman. 1,850,486; Mar. 22.
Capping machine for containers. C. Barbieri. 1,843,536; Feb. 2.
Capstan. E. J. Bartell. 1,888,193; Nov. 15.
Capsule. A. E. Noble. 1,877,726; Sept. 13.
Capsule filling machine. W. Wilkie. 1,839,820; Jan. 5.
Capsule filling machine. W. Wilkie and A. A. Leverenz. 1,876,813; Sept. 13.
Capsule for carbonating liquids. E. Jacobs. Des. 87,393; July 19.
Capsule, Sealed. A. Colton. 1,861,047; May 31.
Capsuling machine. O. Sindl. 1,872,190; Aug. 16.
Car and a dumping attachment therefor, Dump. M. Reidrich. 1,843,893; Feb. 2.
Car and detachable unit therefor, Refrigerator. J. D. Small. 1,864,259; June 21.
Car and refractory slab therefor, Tunnel kiln. R. W. Rowland. 1,846,614; Feb. 23.
Car, Articulated. A. W. Clarke. 1,851,752; Mar. 29.
Car, Articulated. A. W. Clarke. 1,865,407–8; June 28.
Car, Articulated. A. W. Clarke. 1,879,093; Sept. 27.
Car, Articulated. A. W. Clarke and W. Griffin. 1,865,406; June 28.
Car, Articulated. W. Griffin. 1,851,702; Mar. 29.
Car, Articulated. J. B. D. Thompson. 1,864,623; June 28.
Car, Articulated. J. B. D. Thompson. 1,864,682; June 28.
Car, Articulated. J. B. D. Thompson. 1,875,938; Sept. 6.
Car, Articulated. V. Willoughby. 1,864,571–3; June 28.
Car, Articulated. V. Willoughby. 1,876,185; Sept. 6.
Car, Articulated. V. Willoughby. 1,876,187; Sept. 6.
Carbazole indophenols, Making. R. W. Hess and O. D. Cunningham. 1,871,791; Aug. 16.
Carbazole-2,7-disulphonic acid. W. Neelmeier and O. Goll. 1,867,864; July 19.
Carbides, Preparation of R. L. Sessions. 1,874,641; Aug. 30.
Carbohydrate derivatives, Manufacture of. M. Hagedorn, W. Ziese, B. Reyle, and R. Bauer. 1,876,920; Sept. 13.
Carbohydrate gums and making it, Acetylated. A. B. Davis. 1,861,209; May 31.
Carbohydrate resinous material and making same. J. V. Meigs. 1,868,215; July 19.
Carbohydrates to products of higher oxidation, Conversion of. W. B. Stokes and A. H. Peter. 1,870,472; Aug. 9.
Carbon, Activating. A. Godel. 1,848,946; Mar. 8.
Carbon, Activating. A. E. Marshall. 1,859,450; May 24.
Carbon and hydrogen chloride, Production of. R. M. Winter. 1,891,866; Dec. 27.
Carbon and making same, Decolorizing. R. N. Riddle. 1,845,815; Feb. 16.
Carbon and process of forming, Activated. P. Zurcher. 1,875,795; Sept. 6.
Carbon and product thereof, Making absorptive. A. B. Ray. 1,885,141; Nov. 1.
Carbon and the like, Manufacture of decolorizing. R. N. Riddle. 1,882,916; Oct. 18.
Carbonating device. F. J. Dawson. 1,889,886; Dec. 6.
Car brake. A. E. Guertin, sr., and A. E. Guertin, jr. 1,866,767; July 12.
Car, Cable. R. J. Kent. 1,874,543; Aug. 30.
Car, Cane. G. W. Graser. 1,878,451; Sept. 20.
Car chair. A. B. Bell. 1,879,037; Sept. 27.
Car, Coke quenching. V. Greg. 1,846,895; Jan. 12.
Car, Compartment. F. S. Roberts. 1,860,620; May 31.
Car construction. J. P. Anderson. 1,886,360; Nov. 8.
Car construction. W. A. Beauchamp. 1,874,226; Aug. 30.
Car construction. A. Campbell. 1,889,170; Nov. 29.
Car construction. O. C. Duryea. 1,858,730; May 17.
Car construction. W. A. Geiger. 1,882,800; Oct. 4.
Car construction. G. G. Gilpin. 1,863,243; June 14.
Car construction. G. G. Gilpin. 1,886,392; Nov. 8.
Car construction. H. S. Hart and D. Hindahl. 1,862,677; June 14.
Car construction. S. B. Haseltine. 1,860,539; May 31.
Car construction. O. E. Kantenwein. 1,861,500; June 7.
Car construction. G. E. Lewis. 1,883,306; Oct. 18.
Car construction. J. O. Nelkirk. 1,848,901; Mar. 8.

Car construction. J. F. O'Connor. 1,842,915; Jan. 26.
Car construction. J. F. O'Connor. 1,860,548; May 31.
Car construction. J. F. O'Connor. 1,863,762; June 21.
Car construction. J. F. O'Connor. 1,877,029; Sept. 13.
Car construction. J. A. Rabuck. 1,855,117; Apr. 19.
Car construction. A. E. Small. 1,841,502; Jan. 19.
Car construction. A. E. Small. 1,853,936; Apr. 12.
Car construction. K. J. Tobin. 1,878,062; Sept. 20.
Car construction, Dump. A. Campbell. 1,889,169; Nov. 29.
Car construction, Dump. G. B. Dorey. 1,861,153; May 31.
Car construction, Freight. F. A. Isaacson. 1,846,821; Feb. 23.
Car construction, Hopper. W. P. Murphy. 1,888,327; Nov. 22.
Car construction, Motor. A. P. and W. A. Brush. 1,867,207; July 12.
Car construction, Rail. W. B. Fageol. 1,880,953; Oct. 4.
Car construction, Railway. K. Edahl. 1,863,400; June 14.
Car construction, Railway. G. G. Gilpin. 1,882,659; Oct. 18.
Car construction, Railway. W. P. Murphy. 1,853,170; Apr. 12.
Car construction, Railway. W. P. Murphy. 1,859,312; May 24.
Car construction, Railway. W. P. Murphy. 1,859,339; May 24.
Car construction, Railway. W. P. Murphy. 1,868,335; July 19.
Car construction, Railway. W. P. Murphy. 1,877,422–3; Sept. 13.
Car construction, Railway. H. W. Sanford. 1,839,267; Jan. 5.
Car construction, Railway. A. E. Small. 1,877,360; Sept. 13.
Car construction, Railway dump. A. Campbell. 1,839,296; Jan. 5.
Car construction, Tank. J. C. Sullivan. 1,846,768; Feb. 23.
Car control device, Safety. C. C. Farmer. 1,880,958; Oct. 4.
Car control equipment, Safety. J. C. McCune. 1,872,481; Aug. 16.
Car coupler. A. J. Bazeley. 1,848,689; Mar. 8.
Car coupler. H. S. Becker. 1,874,228; Aug. 30.
Car coupler. C. Clark. 1,874,447; Aug. 30.
Car coupler. W. Reese. 1,843,629; Feb. 2.
Car coupler. W. J. Regan. 1,848,545; Mar. 8.
Car coupler. W. J. Regan. 1,869,713; Aug. 2.
Car coupler. W. J. Regan. 1,883,315; Oct. 18.
Car coupler. W. J. Regan and E. George, jr. 1,882,899; Oct. 18.
Car coupler. W. H. Sale. 1,850,943; Mar. 22.
Car coupler. J. J. Tatum. 1,874,653; Aug. 30.
Car coupler operating device. A. E. Small. 1,865,729; July 5.
Car couplers, Operating device for railway. G. G. Gilpin. 1,853,347; Apr. 12.
Car couplers, Supporting. H. F. Dunbar. 1,845,519; Mar. 8.
Car coupling. S. W. Banshak. 1,847,806; Mar. 1.
Car coupling. W. McConway, Jr. 1,844,968; Feb. 16.
Car coupling device. A. E. Evans. 1,887,753; Nov. 15.
Car coupling mechanism. C. H. Tomlinson. 1,891,660; Dec. 20.
Car coupling, Mine. W. V. Johnson and R. C. Kepner. 1,876,239; Sept. 6.
Car, Delivery. A. Stern, J. Stern, and J. Stern. 1,876,155; Sept. 6.
Car, Detachable body freight. W. W. Randall. 1,843,988; Feb. 9.
Car, Drop bottom. C. A. Griffith. 1,848,623; Mar. 8.
Car, Drop bottom. C. A. Griffith. 1,889,066; Nov. 29.
Car, Drop side container. G. C. Woodruff. Re18,577; Aug. 23.
Car, Drop side container. G. C. Woodruff. 1,847,202; Mar. 1.
Car, Drop side container. G. C. Woodruff. 1,853,594; Apr. 12.
Car, Dump. D. Hindahl. 1,872,451; Aug. 16.
Car, Dump. J. L. Wood. 1,851,690; Mar. 29.
Car dump control, Pneumatic. J. C. McCune. 1,850,595; Mar. 22.
Car dumper. R. W. Kaltenbach. 1,846,970; Feb. 23.
Car dumping and coal lowering apparatus, Combined. F. Pardee, jr. 1,886,117; Nov. 1.
Car dumping apparatus. R. E. Whitteker. 1,881,156; Oct. 4.
Car end construction, House. G. S. Goodwin. 1,865,246; June 28.
Car end construction, House. K. J. Tobin, G. Madland, and G. R. Treptow. 1,865,223; June 28.
Car end structure. M. H. Martin. 1,850,283; Mar. 22.
Car end structure, Railway. H. W. Jones. 1,889,051; Nov. 29.
Car equipment, Safety. J. M. Dapron. 1,860,407; May 31.
Car equipment, Safety. E. R. Fitch. 1,879,674; Sept. 27.
Car equipment, Safety. J. C. McCune. 1,850,596; Mar. 22.
Car equipment, Safety. T. H. Thomas. 1,879,645; Sept. 27.
Car equipment, Safety. T. H. Thomas and U. A. Whitaker. 1,842,483; Jan. 26.
Car, Excavator. H. W. Protzeller. 1,864,552; June 28.
Car for amusement parks, Passenger. J. Kahl. 1,885,206; Nov. 1.
Car for amusement rides. H. G. Traver. 1,881,151; Oct. 4.
Car for conveying volatile liquids, Tank. E. Brainich. 1,843,382; Feb. 2.
Car for cutting and welding torch apparatus, Portable. J. L. Anderson. 1,886,767; Apr. 19.
Car for monorail systems. C. S. Haddiesay. 1,869,893; Aug. 2.
Car for passenger ropeways. M. Muller. 1,853,570; Apr. 12.
Car for railways, Work. W. Elmer. 1,846,095; Feb. 23.
Car frame, Motor. P. L. Hinks. 1,874,734; Aug. 16.
Car frame support and journal box. R. J. Brittain, jr., and O. W. Young. 1,859,265; May 17.
Car, Freight. W. F. Kiesel, jr. 1,870,575; Aug. 9.
Car, Freight. J. T. McEniry. 1,838,408; May 17.
Car, Freight. J. A. Morrow. 1,847,132; Mar. 1.
Car, Freight. G. C. Woodruff. 1,856,611; May 3.
Car heating system. W. An Garland. 1,883,896; Oct. 25.
Car, Hopper. F. W. Hahn. 1,845,658; Feb. 16.
Car, Hopper. H. S. Hart. 1,876,003; Sept. 6.
Car, Hot metal. C. P. Ahlstrom. 1,870,220; Aug. 9.
Car journal box. H. C. Dreibuss and P. J. McCullough. 1,872,427; Aug. 16.
Car, Kiln. P. A. Meehan. 1,851,717; Mar. 29.
Car, Kiln. P. A. Meehan. 1,871,070; Aug. 9.
Car, Lift. W. G. Behling. 1,870,163; Aug. 2.
Carline. C. D. Bonell. 1,853,702; Apr. 12.
Car, Load discharging. A. Campbell. 1,889,171; Nov. 29.
Car, Load discharging. G. B. Dorey. 1,853,673; Apr. 12.
Car loading device. G. Nelson. 1,881,461; Mar. 29.
Car loading roller. E. McEwen. 1,845,312; Feb. 16.
Car, Logging. A. Sturrock. 1,854,001; Apr. 12.
Car, Mine. E. H. Bowden. 1,864,252; June 28.
Car, Mine. C. A. Boyd. 1,870,167; Aug. 2.
Car, Mine. R. E. Dendler. 1,851,695; Mar. 29.
Car, Mine. R. E. Dendler. 1,864,681; June 28.
Car, Mine. B. F. Faunce and W. H. Statler. 1,862,670; June 14.
Car, Mine. W. D. Hockensmith, jr. 1,855,239; Apr. 26.
Car, Mine. W. D. Hockensmith, jr. 1,886,187; Nov. 1.
Car, Mine. W. V. Johnson and R. C. Kepner. 1,876,240; Sept. 6.
Car, Mine. P. S. McCallen. 1,888,135; Nov. 15.
Car, Mine. H. W. Sanford and P. S. McCallen. 1,851,214; Mar. 29.
Car, Mine. H. W. Sanford and W. O. McKamey. 1,875,505; Sept. 6.
Car, Monorail. P. S. Combs, jr. 1,874,907; Aug. 30.
Car mover. D. G. Rowell. 1,868,809; July 26.
Car mover. E. F. Sawlsville. 1,850,065; Mar. 15.
Car moving device. P. B. Vermillion and A. C. Koontz. 1,861,070; May 31.
Car, Multiunit tank. V. Willoughby. 1,876,189; Sept. 6.
Car or table transfer means. J. L. Drake. 1,857,840; May 10.
Car, Pleasure. W. H. Butler. Des. 87,381; July 19.
Car, Portable ice. G. L. Vail. Des. 85,964; Jan. 5.
Car, Poultry. P. J. Duignan. 1,863,367; June 14.
Car propeller for tow lines. R. O. Millar and W. C. Denison, jr. 1,881,828; Oct. 11.
Car pusher and transfer. H. W. Buck. 1,869,046; July 26.
Car, Rail. W. B. Fageol. 1,883,357; Oct. 18.
Car, Railway. J. R. Blackhall and H. S. Pardee. 1,845,223; Feb. 16.
Car, Railway. J. R. Blackhall and H. S. Pardee. 1,851,486; Mar. 29.
Car, Railway. J. R. Blackhall and H. S. Pardee. 1,861,778; June 7.
Car, Railway. J. R. Blackhall and H. Pardee. 1,870,227; Aug. 9.
Car, Railway. G. G. Gilpin. 1,861,693; June 7.
Car, Railway. G. G. Gilpin and A. E. Small. 1,891,228; Dec. 20.
Car, Railway. C. Hankins. 1,882,186; Oct. 11.
Car, Railway. G. T. Johnson. 1,869,325; July 26.
Car, Railway. H. M. Pfleger. 1,842,423; Jan. 26.
Car, Railway. J. A. Pilcher and W. E. Wine. 1,856,400; May 3.
Car, Refrigerator. D. L. Reynolds. 1,886,225; Nov. 1.
Car, Railway. E. W. Swanson. 1,848,911; Mar. 8.
Car, Railway. E. R. Swanson. 1,875,831–2; Sept. 6
Car, Railway. T. H. Williams. 1,839,364; Jan. 5.
Car, Railway. W. F. Wine. 1,840,421–3; Jan. 5.
Car, Railway. W. E. Wine. 1,850,525; Mar. 22.
Car, Railway. W. E. Wine. 1,851,656; Mar. 29.
Car, Railway. W. E. Wine. 1,851,995; Apr. 5.
Car, Railway. W. E. Wine. 1,853,248; Apr. 12.
Car, Railway. W. E. Wine. 1,855,079–80; Apr. 19.
Car, Railway. W. E. Wine. 1,861,730; June 7.
Car, Railway. W. E. Wine. 1,866,740–1; July 12.
Car, Railway. W. E. Wine. 1,885,502; Nov. 1.
Car, Railway hopper. W. E. Wine. 1,862,781; June 14.
Car, Railway hopper. W. E. Wine. 1,862,962; June 14.
Car, Railway tank. R. Furrer. 1,872,272; Aug. 16.
Car, Railway tank. F. A. Isaacson. 1,875,609; Sept. 6.

Car, Railway tank. W. P. Murphy. 1,841,417; Jan. 19.
Car record apparatus. J. W. Whitson. 1,846,779; Feb. 23.
Car, Refrigeration. E. B. Miller. 1,862,604; June 14.
Car, Refrigerator. C. D. Bonsall. 1,858,302; May 17.
Car, Refrigerator. E. D. Brigham, jr. 1,854,779; Apr. 19.
Car, Refrigerator. L. L. Cohen. 1,866,035; July 5.
Car, Refrigerator. G. A. Hull. 1,853,127; Apr. 12.
Car, Refrigerator. G. A. Hull. 1,870,911; Aug. 9.
Car, Refrigerator. A. C. Mather. 1,867,701; Aug. 2.
Car, Refrigerator. D. L. Reynolds. 1,850,414; Mar. 22.
Car replacer. C. Digiovine. 1,871,162; Aug. 9.
Car retarder. W. Howe. 1,853,702; Apr. 5.
Car retarder. W. P. Riley. 1,842,767; Jan. 26.
Car retarder. J. M. Varble and R. A. Shannon. 1,871,929; Aug. 16.
Car retarder for railroads. N. C. L. Brown. 1,840,223; Jan. 5.
Car retarder for railroads. C. W. Prescott. 1,840,250; Jan. 5.
Car retarder, Railway. H. L. Bone. 1,862,209; June 7.
Car retarder, Railway. H. C. Clausen. 1,859,073; May 17.
Car retarder, Railway. L. F. Howard. 1,845,274; Feb. 16.
Car retarder, Railway. J. W. Livingston. 1,864,361; June 21.
Car retarder, Railway. J. W. Livingston. 1,876,014; Sept. 6.
Car retarding apparatus. W. Bäseler. 1,846,830; Feb. 23.
Car retarding apparatus. A. Meyer. 1,846,831; Feb. 23.
Car retarding apparatus. A. Meyer. 1,859,102; May 17.
Car retarding mechanism. G. Holmes. 1,853,355; Apr. 12.
Car seat. A. M. Knight. 1,876,247; Sept. 6.
Car seat. W. J. Mayer. 1,879,853; Sept. 27.
Car side and grain door, Combination freight. G. A. Woodman. 1,861,766; July 26.
Car, Sleeping. T. de Roode. 1,859,730; May 24.
Car, Sleeping. W. Young. 1,874,686; Aug. 30.
Car, Stock. I. V. McBride. 1,861,606; June 28.
Car tops, Mechanism for operating folding motor. A. and E. Hess. 1,858,624; May 17.
Car, Towing and hauling. J. Friedel. 1,853,410; Apr. 12.
Car transfer apparatus. J. H. Fox. 1,861,659; June 7.
Car transfer device. C. E. Norton. 1,877,193; Sept. 13.
Car tripper. E. G. Morgan. 1,884,111; Oct. 25.
Car type furnace. C. Knapp. 1,881,683; Oct. 11.
Car underframe, Railway. C. F. Frede and E. G. Hallquist. 1,875,584; Sept. 6.
Car underframe, Railway tank. E. G. Hallquist. 1,875,594; Sept. 6.
Car underframe structure. K. S. Howard and E. C. Jackson. 1,875,381; Sept. 6.
Car vestibule diaphragm. H. U. Morton. 1,881,850; Oct. 11.
Car, Welded hopper. W. H. Mussey and J. R. Rudulph. 1,859,261; May 17.
Car wheel, Resilient rail. C. H. Gunn. 1,840,898; Jan. 12.
Car wheel, Roller bearing. T. V. Buckwalter. 1,876,564; Sept. 13.
Cars and landing gates, Opening and closing elevator. H. C. Werner. 1,876,438; Sept. 6.
Cars, Automobile decking means for freight. J. J. MacDonald. 1,847,405; Mar. 1.
Cars, Connecting. C. H. Tomlinson. 1,856,362; May 3.
Cars in garages, Parking. H. K. Wheeler. 1,887,667; Nov. 15.
Cars in stations, Cooling. C. W. Galloway. Re18,403; Mar. 29.
Cars, Method and apparatus for pre-cooling refrigerator. F. E. Greene. 1,872,937; Aug. 23.
Cars, Parking. R. A. Fessenden and H. K. Wheeler. 1,882,183; Oct. 11.
Carbon and the like, Preparing decolorizing. L. Wickenden and A. W. Okell. 1,863,361; June 14.
Carbon bisulphide, Apparatus for the manufacture of. C. G. Schwegler. 1,892,191; Dec. 27.
Carbon bisulphide, Electric production of. H. H. Dow. 1,849,140; Mar. 15.
Carbon black, acetylene and hydrogen, Production of. O. Elsbach. 1,880,924; Oct. 4.
Carbon black and making same. W. B. Wiegand and L. J. Venuto. 1,889,429; Nov. 29.
Carbon black, Apparatus for producing. J. J. Jakosky. 1,872,297; Aug. 16.
Carbon black, High color. W. B. Wiegand. 1,848,213; Mar. 8.
Carbon black, Manufacture of. G. C. Lewis. 1,881,084–5; Oct. 4.
Carbon black, Manufacture of. C. Miller. 1,857,469; May 10.
Carbon black, Manufacture of. E. B. Spear. 1,880,512; Oct. 4.
Carbon black, Production of. O. Kramer. 1,849,675; Mar. 15.
Carbon black, Production of. O. Schmidt and O. Grosskinsky. 1,868,919–21; July 26.
Carbon copying system. G. U. Lacroix. 1,865,115; June 28.
Carbon dioxide, Apparatus and process for preserving liquid. W. J. Edmonds. 1,876,047; Sept. 6.
Carbon dioxide, Apparatus for and methods of freezing. C. L. Jones. 1,877,180; Sept. 13.
Carbon dioxide, Apparatus for producing cakes of solid. B. H. Weston. 1,876,266; Sept. 6.
Carbon dioxide, Apparatus for the utilization of solid. W. D. Wilcox. 1,852,388; Apr. 5.
Carbon dioxide, Centrifugal method and apparatus for making solid. A. D. Small. 1,884,313; Oct. 25.
Carbon dioxide, Device for forming and storing solid. D. A. Marcus and W. W. Ogier, jr. 1,843,397; Feb. 2.
Carbon dioxide gaseous mixtures, Method of and apparatus for controlling. D. H. Killeffer. 1,883,940; Oct. 25.
Carbon dioxide gaseous mixtures, Method of and apparatus for standardizing. D. H. Killeffer. 1,883,941; Oct. 25.
Carbon dioxide, Manufacture of. C. L. Jones. 1,864,068; June 21.
Carbon dioxide, Method of and apparatus for making and shaping solid. R. R. Rust and C. L. Jones. 1,870,691; Aug. 9.
Carbon dioxide, Producing solid. J. S. Belt. 1,863,263; June 14.
Carbon dioxide products, Method and apparatus for making dry. C. L. Jones. 1,873,418; Aug. 23.
Carbon dioxide snow machine. F. R. Zumbro. 1,864,398; June 21.
Carbon electrodes, Device for joining. G. Peltz. 1,850,515; Mar. 22.
Carbon electrodes for electric furnaces, Manufacturing. O. Dietsche. 1,840,491; Jan. 12.
Carbon for producing ultra-violet light, Arc. M. J. Dorcas. 1,862,300; June 7.
Carbon in operations carried out with hydrocarbons at an elevated temperature, Prevention of the formation of. A. Mittasch, R. Wietzel, and C. Pfaundler. 1,847,095; Mar. 1.
Carbon manifolding apparatus. W. J. Wiswall. 1,872,206; Aug. 16.
Carbon, Manufacture of activated. E. Berl. 1,851,888; Mar. 29.
Carbon, Manufacture of amorphous. J. V. G. Van den Driessche. 1,857,702; Nov. 15.
Carbon monoxide and hydrogen mixtures, Production of. S. P. Burke. 1,843,063; Jan. 26.
Carbon monoxide, Detecting the presence of. G. Ljunggren. 1,891,429; Dec. 20.
Carbon monoxide from exhaust gases, Removing. H. A. Neville. 1,867,332; July 12.
Carbon monoxide in hydrocarbon engines, Device for reducing. C. C. Cohee. 1,872,411; Aug. 16.
Carbon monoxide process. J. C. Woodruff. 1,865,053; June 28.
Carbon packs. E. W. M. Thomson. 1,867,604; July 19.
Carbon pitch composition, High. S. P. Miller. 1,844,900; Feb. 9.
Carbon pitch compositions, Low. S. P. Miller. 1,844,899; Feb. 9.
Carbon pitches, etc., Production of high. S. P. Miller. 1,844,896; Feb. 9.
Carbon pitches, Production of high and low. S. P. Miller. 1,844,898; Feb. 9.
Carbon pitches, Production of low. S. P. Miller. 1,844,897; Feb. 9.
Carbon, Process and apparatus for manufacturing finely divided. A. L. Strout and E. E. Lyder. 1,872,519; Aug. 16.
Carbon, Production of active. K. S. C. Bone. 1,839,735; Jan. 5.
Carbon, Reactivation of powdered or fine-grained adsorptive. A. Mackey. 1,858,745; May 17.
Carbon remover. J. H. Essick. 1,869,310; July 26.
Carbon remover. C. R. Matthis. 1,878,245; Sept. 20.
Carbon, Revivification of spent. R. G. Davis. 1,873,998; Aug. 30.
Carbon tetrachloride and product thereof, Preventing the decomposition of. L. F. Martin and A. A. Elston. 1,859,022; May 10.
Carbonaceous material, Activation of. G. Bailleul. 1,865,667; July 5.
Carbonaceous material and the like, Apparatus for heating and treating subdivided. J. J. Naugle. 1,867,750; July 19.
Carbonaceous material, Burning low-volatile. C. B. Hillhouse. 1,852,968; Apr. 5.
Carbonaceous material particularly solid fuel such as coal, Hydrogenating solid. A. Potts and H. Broche. 1,881,927; Oct. 11.
Carbonaceous material, Process and apparatus for actuating. O. Begerow and O. Fuchs. 1,843,941; Feb. 9.
Carbonaceous material, Process and apparatus for treating. W. E. Trent. 1,850,521; Mar. 22.
Carbonaceous material, Treating. M. J. Trumble. 1,873,910; Aug. 23.
Carbonaceous materials, Apparatus for extracting the volatile constituents from. R. B. Parker. 1,842,836; Jan. 26.

Carbonaceous materials, Apparatus for the continuous treatment of comminuted. L. Wickenden and S. A. W. Okell. 1,854,387; Apr. 19.
Carbonaceous materials, Distillation of. H. Nielsen and B. Laing. 1,886,262; Nov. 1.
Carbonaceous materials, Hydrogenation of. L. Kern. 1,852,709; Apr. 5.
Carbonaceous substances, Activation of. A. Godel. 1,891,407; Dec. 20.
Carbonaceous substances, Destructive hydrogenation of. J. Varga. 1,852,988; Apr. 5.
Carbonate of alkali earths, Manufacturing colloidal. T. Shiraishi. 1,863,945; June 21.
Carbonates of salicylic esters and making same. E. F. Grether. 1,877,304; Sept. 13.
Carbonating apparatus. J. E. Treanor. 1,840,859; Jan. 12.
Carbonator. J. Kantor. 1,862,089; June 7.
Carbonization device. F. L. Tenney. 1,884,379; Oct. 25.
Carbonization process. F. W. Sperr, jr. 1,866,730; July 12.
Carbons, Manufacture of highly actuated adsorptive. H. D. Mommaerts. 1,879,503; Mar. 15.
Carbons, Revivification of spent activated. R. G. Davis. 1,875,223; Aug. 30.
Carbonyl compounds, Production of non-acidic. A. O. Jaeger. 1,880,322; Oct. 4.
Carbonyls, Production of metal. M. Naumann. 1,841,973; Jan. 19.
Carburation. F. O. and T. M. Ball. 1,852,638; Apr. 5.
Carburation and fuel feed system. R. F. Bracke. 1,861,781; June 7.
Carburation for hydrocarbon motors, System of. O. A. Ross. 1,868,767; July 26.
Carburation system. [illegible] R. Godward. 1,865,514; July 5.
Carbureting apparatus. W. H. Weber. 1,846,008; Feb. 16.
Carbureting device. P. E. and F. A. Webb. 1,852,909; Apr. 5.
Carbureting device for lighting stoves. W. Olsen and S. Rasmussen. 1,886,420; Nov. 8.
Carburetor. H. W. Austin. 1,882,725; Oct. 18.
Carburetor. A. R. Baker. 1,877,117; Sept. 13.
Carburetor. F. O. and T. M. Ball. 1,851,343; Mar. 29.
Carburetor. F. O. and T. M. Ball. 1,872,555; Aug. 16.
Carburetor. F. O. and T. M. Ball. 1,873,919; Aug. 25.
Carburetor. F. O. and T. M. Ball. 1,881,256; Oct. 4.
Carburetor. J. Barda. 1,849,973; Mar. 15.
Carburetor. G. Bariquand. 1,887,795; Nov. 15.
Carburetor. F. H. P. Beatson. 1,841,778; Jan. 19.
Carburetor. R. Bellville. 1,870,385; Aug. 9.
Carburetor. L. J. Berkeley. 1,858,573; May 17.
Carburetor. G. M. Bicknell. 1,845,392; Feb. 16.
Carburetor. G. M. Bicknell. 1,858,614-15; May 17.
Carburetor. G. M. Bicknell. 1,872,559; Aug. 16.
Carburetor. G. M. Bicknell. 1,872,654; Aug. 23.
Carburetor. D. Bonfils. 1,847,747; Mar. 1.
Carburetor. A. Boulade. 1,874,233; Aug. 30.
Carburetor. L. D. Boyce. 1,842,469; Jan. 26.
Carburetor. L. D. Boyce. 1,879,053; Sept. 27.
Carburetor. R. F. Bracke. 1,841,707; Jan. 19.
Carburetor. R. F. Bracke. 1,856,238; May 3.
Carburetor. R. F. Bracke. 1,861,750; June 7.
Carburetor. R. F. Bracke. 1,874,875; Aug. 30.
Carburetor. R. F. Bracke. 1,890,145; Dec. 6.
Carburetor. C. C. Bradbury and R. F. Bracke. 1,858,387; May 17.
Carburetor. E. T. Bush and A. J. Sower. 1,846,789; Feb. 23.
Carburetor. W. S. Carlston. 1,880,791; Oct. 4.
Carburetor. W. C. Carter. 1,855,182; Apr. 26.
Carburetor. W. C. Carter. 1,856,464; May 3.
Carburetor. W. C. Carter. 1,866,543; July 12.
Carburetor. M. E. Chandler and D. Cole. 1,852,918; Apr. 5.
Carburetor. C. H. Claudel. 1,886,646; Nov. 8.
Carburetor. A. Coleman. 1,869,798; Aug. 2.
Carburetor. D. Collins. 1,869,467; Aug. 2.
Carburetor. W. M. Cross. 1,847,063; Feb. 23.
Carburetor. R. M. Dilworth. 1,892,301; Dec. 27.
Carburetor. J. Dusevoir. 1,875,713; Sept. 6.
Carburetor. B. Dutcher. 1,883,374; Oct. 18.
Carburetor. P. W. Ensign. 1,863,195; June 14.
Carburetor. G. R. Ericson. 1,872,708; Aug. 23.
Carburetor. G. Farr. 1,881,135; Oct. 11.
Carburetor. J. R. Francis. 1,842,865; Jan. 26.
Carburetor. H. M. Friendly. 1,888,796; Nov. 22.
Carburetor. N. E. Gaston. 1,850,264; Mar. 22.
Carburetor. A. Gilbert. 1,839,475; Jan 5.
Carburetor. D. F. Gindele. 1,861,694; June 7.
Carburetor. M. Gottlieb. 1,842,267; Jan. 26.
Carburetor. O. Halm. 1,863,402; June 14.
Carburetor. G. Hammond. 1,890,782; Dec. 13.
Carburetor. G. C. Harvey. 1,877,742; July 19.
Carburetor. W. G. Heginbottom and J. R. Francis. 1,845,710; Feb. 16.
Carburetor. R. M. Heintz. 1,891,474; Dec. 20.
Carburetor. F. H. Heitger. 1,845,662; Feb. 16.
Carburetor. F. H. Heitger. 1,857,245; May 10.
Carburetor. F. H. Heitger. 1,857,543; May 10.
Carburetor. F. H. Heitger. 1,863,715; June 21.
Carburetor. F. H. Heitger. 1,868,831; July 26.
Carburetor. F. H. Heitger. 1,881,558; Oct. 11.
Carburetor. F. H. Heitger. 1,881,560–6; Oct. 11.
Carburetor. L. S. Hobbs. 1,872,291; Aug. 16.
Carburetor. L. Huber and R. Distel. 1,865,471; July 5.
Carburetor. H. Hueber and E. C. Horton. 1,852,780; Apr. 5.
Carburetor. C. F. Johnson. 1,846,205; Feb. 23.
Carburetor. C. F. Johnson. 1,863,161; June 14.
Carburetor. A. Kaumaier. 1,883,933; Oct. 25.
Carburetor. C. G. Kell. 1,845,668; Feb. 16.
Carburetor. H. G. and R. F. Kerchner. 1,890,994; Dec. 13.
Carburetor. T. W. Kings. Re18,456; May 10.
Carburetor. C. H. Kirby. 1,843,644; Feb. 2.
Carburetor. E. A. Kommer. 1,842,475; Jan. 26.
Carburetor. M. Kreher. 1,844,771; Feb. 9.
Carburetor. T. Linga. 1,851,711; Mar. 29.
Carburetor. A. C. Mabee and C. A. Whitsett. 1,858,835; May 17.
Carburetor. R. Malin. 1,865,266; June 28.
Carburetor. R. Malin. 1,889,126; Nov. 29.
Carburetor. M. Mallory. 1,857,466; May 10.
Carburetor. W. H. Manners and N. Barker. 1,865,122; June 28.
Carburetor. C. E. Manning. 1,845,719; Feb. 16.
Carburetor. R. Menkhaus. 1,858,166; May 10.
Carburetor. M. Mennesson. 1,874,784; Aug. 30.
Carburetor. M. Mennesson. 1,883,809; Oct. 18.
Carburetor. M. Mennesson. 1,889,687; Nov. 29.
Carburetor. P. E. Miquelon. 1,860,869; May 31.
Carburetor. P. E. Miquelon. 1,861,351; May 31.
Carburetor. F. C. Mock, C. J. Gustafson, and M. E. Chandler. 1,872,490; Aug. 16.
Carburetor. F. C. Mock, C. J. Gustafson, and M. E. Chandler. 1,872,786; Aug. 23.
Carburetor. J. F. Mongiardino and W. J. Turner. 1,847,130; Mar. 1.
Carburetor. A. Moore. 1,850,307; Mar. 22.
Carburetor. A. Moore. 1,860,329; May 24.
Carburetor. A. L. Nilsson. 1,847,075; Mar. 1.
Carburetor. A. L. Nilsson. 1,878,171; Sept. 20.
Carburetor. H. B. Norris. 1,862,978; June 14.
Carburetor. L. C. Nowald. 1,891,238; Dec. 20.
Carburetor. H. B. Parker. 1,857,030; May 3.
Carburetor. J. W. Parkin, sr. 1,849,720; Mar. 15.
Carburetor. F. E. Pitman. 1,858,010; May 10.
Carburetor. A. P. Plaut. 1,882,877; Oct. 18.
Carburetor. F. W. Schaffner. 1,862,434; June 7.
Carburetor. L. C. Schmidt. 1,886,910; Nov. 8.
Carburetor. H. Schneebeli. 1,891,227; Dec. 27.
Carburetor. A. Schoeller. 1,849,317; Mar. 15.
Carburetor. F. C. Schramm and M. Dach. 1,890,196; Dec. 6.
Carburetor. J. Schweiss. 1,872,509; Aug. 16.
Carburetor. J. Schweiss and G. R. Ericson. 1,853,287; Apr. 12.
Carburetor. A. M. Smiley. 1,840,295; Jan. 5.
Carburetor. F. H. Smith. 1,880,990; Oct. 4.
Carburetor. F. H. Smith. 1,884,315; Oct. 25.
Carburetor. I. Steinhardt. 1,888,248; Nov. 22.
Carburetor. W. Sturm. 1,840,279; Jan. 5.
Carburetor. W. Sturm. 1,857,889; May 10.
Carburetor. W. Sturm. 1,884,359–60; Oct. 25.
Carburetor. W. M. Thomas. 1,857,070; May 3.
Carburetor. W. M. Thomas. 1,869,785; Aug. 2.
Carburetor. P. S. Tice. 1,865,488; July 5.
Carburetor. H. H. Timian. 1,862,585; June 14.
Carburetor. V. O. Van Briggle. 1,877,090; Sept. 13.
Carburetor. W. H. Weber. 1,848,036; Mar. 1.
Carburetor. H. C. Weed. 1,872,537; Aug. 16.
Carburetor. W. Wemhöner. 1,885,395; Nov. 1.
Ian. 1,887,061; Nov. 8.
Carburetor. C. O. Westover. 1,887,386; Nov. 8
Carburetor. S. W. Whitehurst. 1,872,374; Aug. 16.
Carburetor. M. R. Wolfard. 1,843,186; Feb. 2.
Carburetor. S. K. Wood and J. C. King. 1,870,663; Aug. 9.
Carburetor. L. M. Woolson. 1,843,257; Feb. 2.
Carburetor, Airplane. F. C. Mock. Re18,620; July 12.
Carburetor, Airplane. F. C. Mock. 1,871,460; Aug. 16.
Carburetor and fuel supply system, Aircraft. J. M. Miller. 1,841,663; Jan. 19.
Carburetor and method of carburetion, Gas. G. L. Holzapfel. 1,890,058; Dec. 6.
Carburetor and the like. E. T. Chambers. 1,850,532; Mar. 22.
Carburetor attachment. A. Laurencich. 1,872,762; Aug. 23.
Carburetor, blow torch, and solder melter. M. Lapanja. 1,892,467; Dec. 27.
Carburetor choke control. W. A. Chryst. 1,856,746; May 3.
Carburetor choke mechanism, Automatic. C. W. MacMillan.
Carburetor control. A. Rinne. 1,877,533; Sept. 13.
Carburetor, Down draft. H. W. Linkert. 1,840,727; Jan. 12.
Carburetor, Floatless. M. Kreher. 1,848,255; Mar. 8.
Carburetor for internal combustion engines. C. Brown. 1,875,557; Sept. 6.
Carburetor for internal-combustion engines. V. Buraglia. 1,886,787; Nov. 8.
Carburetor for internal combustion engines. C. Davidson. 1,888,658; Nov. 22.
Carburetor for internal combustion engines. P. L. Lemoine. 1,849,530; Mar. 15.

Carburetor for internal combustion engines. P. L. Lemoine. 1,870,573; Aug. 9.
Carburetor for internal combustion engines supplied with heavy oil. J. M. A. Goinard. 1,845,596; Feb. 16.
Carburetor, Gas. H. T. Dyer. 1,868,074; Nov. 15.
Carburetor heat control. F. Purdy. 1,881,940; Oct. 11.
Carburetor or aircraft engines for insuring the regular engine working in inverted load condition. T. Zerbi. 1,889,304; Nov. 29.
Carburetor regulating mechanism. J. Barels. 1,866,076; July 5.
Carburetor, Surface. A. Pahl and H. Heimann. 1,857,565; May 10.
Carburetors, Accelerating means for automotive. E. H. Shepard and J. S. Culp. 1,840,471; Jan. 12.
Carburetors, Float mechanism for. W. C. Carter. 1,874,443; Aug. 30.
Carburizing and carburizing composition. C. B. Edwards. 1,855,389; Apr. 26.
Carburizing box. B. J. Sayle and H. Schultz. 1,881,064; Oct. 4.
Carburizing furnace. H. W. Fletcher. 1,867,737; July 19.
Carcass cleaning and scudding apparatus. W. B. Allbright. 1,848,596; Mar. 8.
Carcass cutting device. J. Fagonde. 1,855,391; Apr. 26.
Carcasses, Building in. F. B. Pfeiffer. 1,887,362; Nov. 8.
Card. A. Thibeau. 1,884,381; Oct. 25.
Card and detachable pencil, Combination. T. Munroe. 1,871,915; Aug. 16.
Card and holder, Price. Z. Schoolcraft. 1,844,444; Feb. 9.
Card and like indexing, sorting, tabulating, and like apparatus. E. W. Taylor. 1,857,612; May 10.
Card, Belt clip. J. K. Diamond. 1,885,237; Nov. 1.
Cardboard display device. F. A. Marx. 1,886,036; Nov. 1.
Cardboard box. B. H. Lengsfield. 1,850,509; Mar. 22.
Cardboard machine. A. B. Saunders. 1,859,986; May 24.
Card-box controlled non-feed device. W. W. Lasker. 1,864,075; June 21.
Card case. W. J. Ecker, jr. 1,877,565; Sept. 13.
Cardcase and key holder, Combined. C. L'Enfant. 1,877,910; Sept. 20.
Card controlled machine, Perforated. R. E. Paris. 1,864,713; June 21.
Card controlled machine, Perforated. J. T. Schaaff. 1,879,529; Sept. 27.
Card, Cutting. C. Maidanes. 1,857,038; May 3.
Card dealing device. I. Florman. 1,891,085; Dec. 13.
Card dealing machine. L. A. Lux. 1,847,346; Mar. 1.
Card, Dental arch test. R. R. Cunningham. 1,840,703; Jan. 12.
Card, Die cut. E. G. Otten. 1,889,261; Nov. 29.
Card dispensing device. S. R. Bell and G. W. Wardwell. 1,873,980; Sept. 20.
Card, Display. J. Bernhard. Des. 86,993; May 24.
Card, Display. S. L. Cahn. 1,855,822; Apr. 26.
Card, Display. F. E. Exerson. 1,862,566; June 14.
Card, Display. J. M. Fairweidel. 1,877,840; Sept. 20.
Card, Display. A. H. Games. 1,889,438; Nov. 29.
Card, Display. J. Horwath. 1,851,280; Mar. 29.
Card, Display. L. Lindsay. 1,868,110; July 19.
Card, Display. A. Payberg. 1,888,406; Nov. 22.
Card, Display. W. Raster. 1,858,461; May 17.
Card display device, Advertising. J. D. MacLachlan. 1,875,521; Sept. 6.
Card display stand. T. O'Rourke. 1,888,565; Nov. 22.
Card, Display vending. F. H. Driver. 1,852,922; Apr. 5.
Card displaying or plant marking device. F. H. Fitzgerald. 1,889,281; Nov. 29.
Card distributor. R. Bowles. 1,839,640; Jan. 5.
Card feeding mechanism. T. H. Thomas and R. F. Power. 1,885,874; Nov. 1.
Card filing case. N. Warshaw. 1,871,569; Aug. 16.
Card finding or sorting apparatus, Indexed. C. E. Tumminello. 1,865,343; June 28.
Card, Folding post. P. E. Gillespie. 1,886,669; Nov. 8.
Card for flat form laundered attached collar shirts, Collar. J. A. Mead. 1,886,626; Nov. 8.
Card, Fortune-telling. G. F. Schmitt. Des. 87,134; June 7.
Card, Greeting. F. Weindel, jr. 1,850,857; Mar. 22.
Card, Greeting. M. Whittington. 1,885,879; Nov. 1.
Card, Grooved stencil. H. P. Elliott. 1,874,476; Aug. 30.
Card, Hand. H. Midgley. 1,889,369; Nov. 29.
Card, Hardware display. L. N. Hoffman. 1,890,181; Dec. 6.
Card holder exhibiting machine, Automatic. P. E. McFarland. 1,846,649; Feb. 23.
Card holding device. W. Griesbach. 1,852,457; Apr. 5.
Card holding device. P. R. Vogel. 1,850,362; Mar. 22.
Card index system. D. A. Casey. 1,889,635; Nov. 29.
Card indexing device. D. A. Nevin. 1,874,335; Aug. 30.
Card interleter. T. E. Hurns and A. J. Leslie. 1,889,920; Dec. 6.
Card interpreter, Perforated. E. A. Ford. 1,882,797; Oct. 18.
Card mixing device, Playing. G. Wendorff. 1,867,690; July 19.
Card novelty. G. Anderton. 1,879,007; Sept. 27.
Card or certificate, Identification. J. W. Burgess and A. Anschutz. Des. 86,664; Apr. 5.
Card or sign display mechanism. C. E. Marsh. 1,861,235; May 31.

Card perforating machine or the like. L. E. Brougham. 1,871,582; Aug. 16.
Card perforating machine or the like. A. Thomas. 1,844,811; Feb. 9.
Card, Playing. H. B. Ferguson, jr. 1,890,504; Dec. 13.
Card, Playing. L. Skipwith. Des. 87,550; Aug. 9.
Card, Price. J. Feldman and S. T. Mittelman. 1,840,193; Jan. 5.
Card punching machines, Indicating means for. W. W. Lasker. 1,883,985; Oct. 25.
Card rack, Double visibility. A. R. Hutchens. 1,853,057; Apr. 12.
Card rack, Double visibility. A. R. Hutchens. 1,875,382; Sept. 6.
Card, Reference. J. J. Dickman and G. I. Lehman. 1,875,995; Sept. 6.
Card, Sample color. S. E. Bender. 1,879,041; Sept. 27.
Card, Score. E. R. Furey and E. S. Anderson. 1,878,629; Sept. 20.
Card, Show. V. Gulnzburg. 1,880,088; Sept. 27.
Card shuffler. P. E. Matthaey. 1,846,063; Feb. 23.
Card system, Record and index. C. T. Tollefsen. 1,842,652; Jan. 19.
Card system, Record and index. T. Tollefsen. 1,842,131; Jan. 19.
Card table. E. N. Hesse and E. W. Stahl. 1,849,981; Mar. 15.
Card table. J. F. Krema. 1,840,844; Jan. 12.
Card table. L. L. Nave. 1,846,746; Feb. 23.
Card table. G. C. Rickson. 1,882,915; Oct. 18.
Card table. E. A. Snow. 1,885,384; Nov. 1.
Card table with automatic dealing mechanism. L. Hammond. 1,889,729; Nov. 29.
Card, Tip trade. W. M. Wright. 1,867,432; July 12.
Card verifying machine, Punched. R. Lorant. 1,853,215; Apr. 12.
Card, Visible index. R. A. Furlong. 1,887,632; Nov. 15.
Card with printed index points, Record. M. Maul. 1,849,443; Apr. 12.
Carding bands, Dycing or bleaching. B. Thies. 1,868,475; July 19.
Carding device for artificial teeth. M. Charen. 1,857,999; May 10.
Carding device for artificial teeth. D. E. Evans. 1,857,713–14; May 10.
Carding engine. G. C. Laurency. 1,862,542; June 14.
Cards, Deck of playing. N. P. Beck. Des. 87,455; Aug. 2.
Cards, Deck of playing. W. Hayes. Des. 88,709; Dec. 20.
Cards, Deck of playing. W. R. Logan, jr. Des. 86,131; Feb. 2.
Cards, Deck of playing. J. W. Pickering. Des. 87,095; May 31.
Cards, Deck of playing. H. J. Schaeffer. Des. 87,084; May 31.
Cards, Deck of playing. G. W. Shaffer. Des. 88,324; Nov. 15.
Cards, Manufacture of round cornered. G. A. Wilke. 1,868,865; July 26.
Cards, Playing. H. W. Hoke. 1,887,203; Nov. 8.
Cards, Set of playing. A. D. Miller. Des. 86,134; Feb. 2.
Cards, Set of playing. A. D. Miller. Des. 86,732; Apr. 12.
Cards, Set of playing. A. D. Miller. Des. 87,971; Oct. 18.
Cards with flat wire tummer, Set of. E. V. Bates. 1,850,670; Oct. 4.
Cards with rounded corners, Manufacturing. G. A. Wilke. 1,868,864; July 26.
Cargo handling apparatus for aircraft and the like. M. Castro. 1,871,495; Aug. 16.
Cargo hook. W. E. Hopkins. 1,890,509; Dec. 13.
Carnation. R. Engle. Pl. Pt. 35; Oct. 18.
Carnation. A. B. Shaw. Pl. Pt. 34; Oct. 11.
Carnation. W. Sim. Pl. Pt. 37; Oct. 25.
Carpenter's bench. W. H. Johnston. 1,849,673; Mar. 15.
Carpet. C. Lehner. Des. 88,267; Dec. 6.
Carpet. W. F. McCabe. Des. 86,620; Mar. 29.
Carpet. W. F. McCabe. Des. 87,437; July 26.
Carpet. J. B. Moffat. Des. 87,643; Aug. 23.
Carpet. F. Murphy. Des. 88,667; Dec. 13.
Carpet. A. E. Smidlein. Des. 88,177; Nov. 1.
Carpet. A. E. Smidlein. Des. 88,367; Nov. 22.
Carpet. A. E. Smidlein. Des. 88,442; Nov. 29.
Carpet. A. E. Smidlein. Des. 88,684–5; Dec. 13.
Carpet. J. S. Travis. Des. 88,413; Nov. 29.
Carpet. J. S. Travis. Des. 88,689; Dec. 13.
Carpet. I. J. Vetter. Des. 86,815; Apr. 19.
Carpet. I. J. Vetter. Des. 88,326; Nov. 15.
Carpet and rug making machine. J. B. Robertson and G. Robertson. 1,863,912; June 21.
Carpets and runners in position, Holding stair. L. Robertson. 1,888,146; Nov. 15.
Carpet fabric and making same. E. Hopkinson. 1,854,193; Apr. 19.
Carpet securing device. S. C. Awbrey. 1,847,373; Mar. 1.
Carpet securing strip, Stair. H. E. Cathcard. 1,844,539; Feb. 9.
Carpet, Weft pile. L. Koch. 1,858,959; May 17.
Carpeting. P. H. Chance. 1,842,746; Jan. 26.
Carriage, Baby. H. Berman. 1,870,983; Aug. 9.
Carriage, Baby. L. M. Montgomery. Des. 86,043; Jan. 19.
Carriage control of ribbon shift mechanisms. F. W. Bernau. 1,875,913; Sept. 6.
Carriage, Doll. W. C. Wood. 1,886,073; Nov. 1.
Carriage, Folding baby. K. M. Baerulfsen. 1,880,167; Sept. 27.

Carriage, Folding baby. J. A. Mahr. 1,869,205; July 26.
Carriage for articulated trains. C. Buderus. 1,875,214; Aug. 30.
Carriage for motor car trailers, Trailing. A. Kégresse. 1,871,180; Aug. 9.
Carriage for spike drivers. I. N. Benson. 1,880,338; Oct. 4.
Carriage holding device. I. L. Withrow. 1,846,537; Feb. 23.
Carriage, Outfeed. V. H. Winquist. 1,892,497; Dec. 27.
Carriage, Spar. O. J. Sundstrand. 1,880,220; Oct. 4.
Carriage quilt holding device, Baby. R. Porcello. 1,888,180; Nov. 15.
Carriage-returning means, Automatic. W. W. Landsiedel. 1,868,979; Oct. 25.
Carriage structure, Baby. H. Perlmutter. 1,884,190; Oct. 25.
Carrier: *See*—
Acetylene and oxygen tank carrier.
Ash carrier.
Baggage carrier.
Basket carrier.
Bottle carrier.
Braiding carrier.
Change carrier.
Coupler carrier.
Curtain carrier.
Detachable carrier.
Dispatch carrier.
Drapery carrier.
Drawbar carrier.
Gear carrier.
Golf ball carrier.
Index card carrier.
Key and card carrier.
Luggage carrier.
Meat carrier.
Medicament carrier.
Milk bottle carrier.
Overhead carrier.
Paper carrier.
Pneumatic dispatch carrier.
Razor blade carrier.
Running board carrier.
Sound record carrier.
Spare wheel carrier.
Tire carrier.
Trunk and luggage carrier.
Trunk and wheel carrier.
Yarn carrier.
Carrier. L. L. Burnham. 1,872,069; Aug. 16.
Carrier. L. W. Hassensall. 1,880,133; Sept. 27.
Carrier. H. M. Koll. 1,862,540; June 14.
Carrier and bumper. Combined collapsible luggage. J. Schulman. 1,886,911; Nov. 8.
Carrier and lock, Spare wheel. F. A. Smith. 1,883,032; Oct. 25.
Carrier and reflecting body, Combination tire. F. A. Cecil. 1,873,823; Aug. 23.
Carrier control mechanism, Sheet. W. N. Karls and W. Boucher. 1,843,770; Feb. 2.
Carrier device. C. T. Bartlett. 1,847,425; Mar. 1.
Carrier dispatch system. C. S. Jennings and F. W. Macmain. 1,871,995; Aug. 16.
Carrier for automobiles, Combined tire and luggage. C. C. Fulton. 1,877,887; Sept. 20.
Carrier for dairy carriages, Parcel. T. W. Mueller. 1,875,107; Aug. 30.
Carrier for dispatch systems. C. S. Jennings. 1,868,903; July 28.
Carrier for electromagnetic pick-up. L. F. Curtis. 1,891,369; Dec. 20.
Carrier for fragile articles. M. Koppelman. 1,846,561; Feb. 23.
Carrier for hand trucks, Detachable. S. J. Pehrsson. 1,862,546; June 14.
Carrier for ice. W. F. Crawford. 1,861,431; May 31.
Carrier for material and apparatus for use therewith. B. A. Proctor. 1,871,233; Aug. 9.
Carrier for material and apparatus for use therewith. B. A. Proctor, E. D. Foster, and C. U. Bundick. 1,871,235; Aug. 9.
Carrier for material and spindle therefor. W. D. Foster and C. U. Bundick. 1,871,230-1; Aug. 9.
Carrier for road vehicles, Spare tire. D. S. Kennedy and I. T. Kempe. 1,864,829; June 28.
Carrier for road vehicles, Spare tire. D. S. Kennedy and I. T. Kempe. 1,879,304; Sept. 27.
Carrier for slag pans, and the like. A. Wilhelmi. 1,861,946; June 7.
Carrier for sugar cane mills, Intermediate. F. Hegenbarth. 1,881,186; Oct. 4.
Carrier for tin gas meters, Rocker shaft. N. J. Selbert and E. M. Kreidler. 1,884,888; Oct. 25.
Carrier for valuables. E. Sperling. 1,884,328; Oct. 25.
Carrier, Ice cream cone. S. J. Davis. 1,884,970; Oct. 25.
Carrier or means for preparing tuft yarns for a loom. F. Ferrari. 1,875,672; Sept. 6.
Carrier or spindle for braiding machines and the like. B. Carter. 1,843,752; Feb. 2.
Carrier suppression modulator. G. L. Usselman. 1,876,107; Sept. 6.
Carrying bag. J. E. Budd. 1,846,542; Feb. 23.
Carrying case. C. S. Humphrey. 1,867,455; July 12.
Carrying device. H. H. Wilson. 1,841,784; Jan. 19.
Carrying device for subaqueous sound apparatus. W. Rudolph. 1,881,972; Oct. 11.
Carrying handle. L. G. Burnham. 1,853,113; Apr. 12.
Cart. E. Chandler. 1,869,355; Aug. 2.
Cart, Collapsible. R. H. Brown. 1,855,567; Apr. 26.
Cart, Dump. R. G. Le Tourneau. 1,852,618; Apr. 5.
Cart, Rubbish. G. E. Brenner. 1,863,964; June 21.
Cart, Stone. R. S. Trott. 1,853,837; Apr. 12.
Cart, Trailer. R. D. Swanson. 1,878,946; Sept. 20.
Carton. R. K. Becker. 1,842,237; Jan. 19.
Carton. B. F. Brown and G. F. Ford. 1,876,200; Sept. 6.
Carton. R. L. Dawood. 1,885,913; Jan. 5.
Carton. A. O. Daller. 1,888,818; Nov. 22.
Carton. B. J. Davidson. 1,860,309; May 24.
Carton. L. L. Edmunds. 1,869,742; Aug. 2.
Carton. T. H. Gagen. 1,881,464; Oct. 11.
Carton. C. P. Gallistel. 1,885,906; Nov. 1.
Carton. C. W. Gaylord. 1,850,714; Mar. 22.
Carton. G. T. Gibson. Des. 86,567; May 3.
Carton. H. L. Greve. 1,860,536; May 31.
Carton. J. F. Halladay and M. E. Holy. 1,873,882; Aug. 23.
Carton, J. Iacobitti. 1,847,834; Mar. 1.
Carton. E. J. King. 1,852,527; Apr. 5.
Carton. E. W. Little. 1,873,759; Aug. 23.
Carton. H. L. Metzger. 1,850,329; Mar. 22.
Carton. H. T. Pratt. 1,889,933; Dec. 6.
Carton. E. P. Sherman. 1,857,002; May 3.
Carton. P. R. Smythe. 1,850,183; Mar. 22.
Carton. H. F. Townsend. 1,847,028; Feb. 23.
Carton. W. R. Williams. 1,874,213; Sept. 13.
Carton. B. M. Williams. 1,889,581; Nov. 29.
Carton. F. D. Wilson. 1,876,120; Sept. 6.
Carton. R. E. Worden. 1,888,152; Nov. 15.
Carton, Advertising display. H. B. Staats. 1,866,493; July 5.
Carton and closing same, Liquid-tight. J. S. Royle and J. Mellor. 1,866,488; July 5.
Carton and container. A. M. Overton. 1,878,290; Sept. 20.
Carton and container for cigarettes and like articles. D. W. Molins. 1,892,111; Dec. 27.
Carton and dispenser, Fertilizer. H. R. Torrence. 1,849,159; Mar. 15.
Carton and lamp shade, Combined. J. F. Burgess. 1,861,206; May 31.
Carton and making same. A. C. Schroeder. 1,845,891; Feb. 16.
Carton, box, or other container or holder. J. T. Robin. 1,853,746; Apr. 12.
Carton, Dispensing. G. Iacobitti. 1,869,751; Aug. 2.
Carton, Dispensing. F. Reichel. 1,866,130; July 5.
Carton, Display. J. E. Hines. 1,866,211; July 5.
Carton, Display. E. H. Newton. 1,853,219; Apr. 12.
Carton, Display. E. P. Sherman. 1,845,564; Feb. 16.
Carton, Display and dispensing. M. M. Einson. 1,860,324; May 24.
Carton, Display and dispensing. M. M. Einson. 1,860,334; May 24.
Carton, Egg. C. S. Anton. 1,890,801; Dec. 13.
Carton, Egg. L. Benoit. 1,865,454; July 5.
Carton, Egg. J. L. Coyle. 1,880,078; Sept. 27.
Carton, Egg. C. R. Dugdale. 1,892,612; Dec. 27.
Carton, Egg. A. Retzer. 1,884,236; Oct. 25.
Carton end gluing and closing means. E. Van der Pyl and R. H. Stimpson. 1,892,346; June 7.
Carton feeding machine. G. H. Bent. 1,883,228; Oct. 18.
Carton feeding machine. C. F. Richard. 1,883,230-2; Oct. 18.
Carton filling machine. C. C. Colver. 1,887,751; Nov. 15.
Carton for butter or the like. H. A. Morris. 1,851,981; Apr. 5.
Carton for cigarettes and like articles. W. E. Molins. 1,842,728; Jan. 26.
Carton for cigarettes and like articles. W. E. Molins. 1,867,949; July 19.
Carton for cigarettes and like articles. W. E. Molins. 1,870,197; Aug. 16.
Carton for fragile articles. F. D. Gray. 1,850,584; Mar. 22.
Carton for fragile objects. W. A. Morris. 1,865,268; June 28.
Carton, Handle-including. L. W. Reaume and E. C. Cann. 1,854,955; Apr. 19.
Carton, Liquid proof. W. E. J. Crossby. 1,879,113; Sept. 27.
Carton, Merchandise. O. G. Schmitt. 1,871,426; Aug. 9.
Carton, Merchandising. H. Weiner. 1,864,968; June 28.
Carton opening and filling machine. E. L. Smith and F. B. Fuller. 1,873,059; Aug. 23.
Carton or container. M. Gibson. 1,870,679; Aug. 9.
Carton or container. R. M. Hays. 1,889,985; Dec. 6.
Carton or similar article. F. G. Hauck. Des. 87,781; Sept. 20.
Carton or similar article, Package. H. Rynveld. Des. 87,489; Aug. 2.
Carton or similar container. J. Bernstein. Des. 87,044; May 31.
Carton packing machine, Automatic. W. E. Hall. 1,857,080; May 3.
Carton, Pasteboard. M. Freedman and L. F. Sampson. 1,844,952; Feb. 16.
Carton, Pencil display. G. Baumgard. 1,879,029; Sept. 27.
Carton, Ribbed. F. Kronenberger. 1,876,063; Sept. 6.
Carton sealing machine. W. D. Klimball and C. Braren. 1,844,661; Feb. 9.
Carton sealing mechanism. E. L. Smith and F. B. Fuller. 1,854,075; Apr. 12.
Carton, Shipping. E. S. Gomes. 1,841,025; Jan. 12.
Carton, Shipping. E. P. Sherman. 1,890,951; Dec. 13.
Carton, Shipping and display. F. Kennett. 1,862,685; June 14.
Carton stapling machine. W. F. Newhouse. 1,886,971; Nov. 8.
Carton support, Shipping. E. S. Gomes. 1,859,505; May 24.
Cartoning machine. F. G. Henry. 1,861,567; June 7.

Cartons, Making. J. Wagner. 1,845,456; Feb. 16.
Cartons or containers. Forming cardboard and similar. H. M. Ware. 1,864,479; June 21.
Cartons or receptacles. Production of paper or like. C. J. Wilson. 1,870,977; Aug. 9.
Cartons, packages, and other objects, Sealing. A. D. Bullerjahn. 1,859,652; May 24.
Cartons, Producing lined. C. W. Hartmann. 1,867,220; July 12.
Cartridge. G. H. Jacobs. 1,840,843; Jan. 12.
Cartridge. G. H. Jacobs. 1,879,278; Sept. 27.
Cartridge and operating same, Blasting. L. E. Lawson. 1,856,849; May 3.
Cartridge and the like, Grease. E. R. Wharton. 1,849,391; Mar. 15.
Cartridge, Autographic film. J. P. Scannell. 1,886,053; Nov. 1.
Cartridge belt filling machine. G. F. French. 1,876,217; Sept. 6.
Cartridge, Blasting. F. H. Armstrong. 1,856,861; May 3.
Cartridge, Blasting. F. H. Kneeland. 1,856,871; May 3.
Cartridge, Blasting. F. H. Kneeland. 1,857,813; May 10.
Cartridge, Blasting. F. H. Kneeland. 1,874,544; Aug. 30.
Cartridge, Blasting. H. S. Pierce and R. T. Sweeney. 1,857,792; May 10.
Cartridge, Blasting. S. Tese. 1,845,687; Feb. 16.
Cartridge, Blasting. S. Tese. 1,851,122; Mar. 29.
Cartridge, Blasting. G. Weber. 1,840,479; Jan. 12.
Cartridge case. A. J. Lahti. 1,867,513; July 12.
Cartridge, Explosive. D. B. McCloud. 1,863,921; June 21.
Cartridge feed mechanism. A. Dabrasky. 1,842,446; Jan. 26.
Cartridge for firearms. W. M. Minto. 1,877,773; Sept. 20.
Cartridge for independent breathing apparatus. A. B. Drager. 1,843,446; Feb. 2.
Cartridge for use in apparatus for decarbonizing engines. L. Lee. 1,878,401; Sept. 20.
Cartridge for use in mining, quarrying, and like operations, Hydraulic. B. Sheppard. 1,863,286; June 14.
Cartridge fuse, Refillable. N. M. Stephenson. 1,841,686; Jan. 19.
Cartridge magazine for small arms. R. Von Frommer. 1,870,039; Sept. 20.
Cartridge, Photographic film. F. J. Gantnier. 1,858,585; May 17.
Cartridge, Progressive heating. D. Ferrell. 1,855,740; Apr. 26.
Cartridge retaining device. D. Hodge. 1,848,129; Mar. 8.
Cartridge, Self retaining. F. H. Armstrong. 1,873,858; Aug. 23.
Cartridge, Shot gun. H. W. Brownsdon and W. R. Nimmo. 1,887,990; Nov. 15.
Cartridge, Shot gun. H. W. Brownsdon, W. R. Nimmo, and G. F. Nimmo. 1,887,989; Nov. 15.
Cartridge, Starting. A. Möhrle. 1,877,936; Sept. 20.
Cartridge, Water-tight explosive. W. R. Farren. 1,869,232; Dec. 13.
Cartridges, etc., Apparatus for wrapping. A. E. Andelin. 1,862,170; June 7.
Cartridges filled with peroxide, Accelerating the action of breathing. U. Müller. 1,852,786; Apr. 5.
Carving instrument. C. S. Van Horn. 1,875,680; Sept. 6.
Carving machine of multiple type. G. A. Parten. 1,844,623; Feb. 9.

Case: *See*—

Accordion case.	Mascara case.
Brief case.	Musical instrument case.
Brush preserving case.	Opening case.
Card case.	Packing case.
Card dating case.	Refrigerated case.
Carrying case.	Sample case.
Cartridge case.	Sewing machine carrying case.
Cigarette and match case.	Sheet metal case.
Cigarette case.	Shipping case.
Counter case.	Show case.
Crank case.	Smoking case.
Display case.	Traveling case.
Ecclesiastic ritual case.	Type case.
Egg case.	Typewriter carrying case.
Electric vanity case.	Vanity and smoking case.
Eyeglass case.	Vanity case.
Gear case.	Wardrobe case.
Hat display case.	Watch and vanity case.
Instrument case.	Waterproof case.
Key case.	Wrist watch case.
Key holding case.	
Lipstick case.	

Case and binder, Card. A. D. and F. T. Wiggins and G. M. Kaough. 1,846,172; Feb. 23.
Case and display stand, Combined sample. H. H. Labadie and B. B. Beers. 1,873,431; Aug. 23.
Case and display for musical instruments, Combined carrying. A. S. Lang. 1,888,927; Nov. 22.
Case and lamp or similar article, Combination clock. A. Levy. Des. 87,268; June 28.
Case and lighter, Cigarette. S. Sprague. 1,862,913; June 14.
Case and lighter, Combined cigarette. C. Gardner. 1,857,243; May 10.
Case and lighter, Combined cigarette. F. J. Nankivell. 1,859,881; May 24.
Case and manufacture, Card. W. J. Ecker. 1,869,803; Aug. 2.
Case and pattern for making the same, Carrying. D. H. Shapiro. 1,877,601; Sept. 13.
Case and portfolio, Combination traveling. L. Switkes. 1,889,765; Dec. 6.
Case and support therefor, Combined clock. B. F. Muldoon. Des. 87,313; July 5.
Case clamp, Automobile. P. J. Huber. 1,890,328; Dec. 6.
Case, Filling machine. A. J. Wagner. 1,874,669; Aug. 30.
Case filling machine. C. H. Wild. 1,891,516; Dec. 20.
Case for accordians, Carrying. A. C. Geib. 1,840,354; Jan. 12.
Case for acoustic devices, Receiver. J. Sinel. Des. 87,687-90; Aug. 30.
Case for cinematograph, Two-part. L. Schabet. 1,888,574; Nov. 22.
Case for clocks. D. S. Ingraham. 1,845,877; Feb. 16.
Case for eggs and like commodities. J. L. Coyle. 1,849,613; Mar. 15.
Case for eyeglasses and the like. W. A. Fraser. 1,842,599; Jan. 26.
Case for fragile and perishable articles, Packing and shipping. M. V. Tremblay. 1,852,686; Apr. 5.
Case for frozen foods, Storage and display. K. A. Weber. 1,847,544; Mar. 1.
Case for inclosing an object such as a watch, a lighter, or otherwise. R. F. Egouvillon, and J. R. Lafon. 1,860,775; May 31.
Case for musical instruments, such as an accordion or the like. M. A. Reiter. Des. 86,270; Feb. 16.
Case for playing balls, Compression. O. R. Barkdoll. 1,861,948; June 7.
Case for shoes, Traveling display. H. C. Mayers. 1,867,886; July 19.
Case for toilet articles and the like. R. S. Blair. 1,867,347; July 12.
Case or analogous article, Vanity. N. Ottinger. Des. 87,678; Aug. 30.
Case or cabinet, Display. H. L. Skoogh. 1,870,534; Aug. 9.
Case or portfolio, Brief N. Ottinger. 1,877,954; Sept. 20.
Case or the like, Clock. H. T. Schiff. Des. 86,144-5; Feb. 9.
Case or the like, Clock. H. T. Schiff. Des. 86,275; Feb. 16.
Case, portfolio, or similar container, Brief. N. Ottinger. 1,863,974; June 7.
Cases, Apparatus for sealing shipping. H. R. Bliss and H. G. Allen. 1,846,945; Feb. 23.
Cases of engines, apparatus for cleaning lubricant. W. L. Osborne. 1,884,819; Oct. 25.
Casing. A. S. Fitz Gerald. 1,883,663; Oct. 18.
Casing and assembling the same, Fan. G. R. Goldthwaite. 1,873,886; Aug. 23.
Casing and bladder connecter for footballs, basketballs, and the like. F. Dieterle. 1,867,443; July 12.
Casing and drier, Combined washing machine. T. W. Behan. Des. 87,098; June 7.
Casing and making same, Sausage. R. Ettlinger. 1,883,657; Oct. 18.
Casing and preparing the same, Sausage. W. F. Henderson and H. E. Dietrich. 1,868,203; July 19.
Casing and support therefor, Combined studio camera. W. H. Petit and E. S. Hineline. Des. 85,990; Jan. 12.
Casing and tubing support. L. J. Mildren. 1,855,483; Apr. 26.
Casing and wringer, Combined washing machine. C. K. Woodin. Des. 86,666; Apr. 5.
Casing, Automobile signal. C. S. Park. Des. 87,127; June 7.
Casing, Beverage dispensing. C. G. Jackson. Des. 87,116; June 7.
Casing, By-pass. P. P. Henshall. 1,845,498; Feb. 16.
Casing, Camera. W. D. Teague. Des. 88,116; Oct. 25.
Casing, Check writer. P. Catucci. Des. 86,699-700; Apr. 12.
Casing, Clock. C. L. Harrison, jr. Des. 86,023; Jan. 19.
Casing control gate. F. J. Schweitzer. 1,861,614; June 7.
Casing, Crank-shaft. M. Birkigt. 1,868,377; July 19.
Casing cutter. J. E. Brotherton and R. W. Morris. 1,874,880; Aug. 30.
Casing cutter, Inside. R. Andrade. 1,851,269; Mar. 29.
Casing cutter. Inside. E. Ventresca. 1,867,289; July 12.
Casing, Dishwashing machine. J. E. Lederman. 1,859,302; May 24.
Casing, Electric heater. R. L. Macdonald. Des. 86,257; Feb. 16.
Casing, Electrical condenser. J. A. Fried. 1,842,376; Jan. 26.
Casing, Electrical connecter plug. J. B. Downing. Des. 86,707; Apr. 12.
Casing elevator. J. E. Hoffoss. 1,856,626; May 3.
Casing elevator. J. E. Hoffoss. 1,861,473; June 7.
Casing floater. E. H. Mechling and J. R. Hoskins. 1,839,243; Jan. 5.
Casing for a clock, fountain penholder, and display stand. Combined. M. H. Hoffman. Des. 86,838; Apr. 26.

Casing for a clothes washing and extracting machine. Combined. J. J. McCabe. Des. 86,923; May 10.
Casing for a combined coffee grinder, juice extractor, food cutter and mixer. P. Tripke. Des. 86,497; Mar. 8.
Casing for a hot water heater or similar article. G. M. Maier. Des. 87,271; June 28.
Casing for a nail polishing machine. R. R. Waggoner. Des. 86,341; Feb. 23.
Casing for a portable electric polisher. J. B. Fleming. Des. 87,432; July 26.
Casing for a typewriting machine. H. Kattau and E. Roloson. Des. 86,842; Apr. 26.
Casing for a washing machine and centrifugal drier. A. W. Allerdice. Des. 86,902; May 10.
Casing for ball valves. A. Winterhoff. 1,861,674; June 7.
Casing for electric apparatus. F. C. Coseo. 1,852,698; Apr. 5.
Casing for electric coils, Protective. C. M. Winkelman. 1,853,649; Apr. 12.
Casing for electrical apparatus. A. C. Kleckner. Re. 18,627; Oct. 18.
Casing for electrical apparatus. Z. O. St. Palley. 1,857,509; Nov. 15.
Casing for electrical devices. H. M. Stevens. 1,866,326; July 5.
Casing for light-signs and signaling apparatus. A. Löbl. 1,889,179; Nov. 29.
Casing for machines subject to high pressure. A. Meyer. 1,846,565; Feb. 23.
Casing for outside steam pipes. W. G. Gray. 1,862,515; June 7.
Casing for service stations, Pump. W. A. Gott. Des. 86,713; Apr. 12.
Casing for temperature indicators. H. P. Sparkes and F. H. Peters. Des. 87,651; Aug. 23.
Casing for universal joints. H. D. Geyer. 1,871,883; Aug. 16.
Casing for vehicle springs, Flexible. A. C. Solomon. 1,855,893; Apr. 26.
Casing for wall pencil sharpeners. E. C. Hoffmann. Des. 85,935; Jan. 5.
Casing, Gas stove. H. W. O'Dowd. Des. 86,045–6; Jan. 19.
Casing hanger for suspending and packing strings of casing. O. K. Stephens. 1,891,508; Dec. 20.
Casing head. M. T. Archer. 1,857,865; Nov. 15.
Casing head. A. Boynton. 1,848,307; Mar. 8.
Casing head. A. Boynton. 1,862,920; June 14.
Casing head. A. Boynton. 1,884,551; Oct. 25.
Casing head. G. A. Humason. 1,855,350; Apr. 26.
Casing head. F. L. Pivoto. 1,867,093; July 12.
Casing head. C. A. Rasmussen. 1,859,793; May 24.
Casing head. J. J. Santiago. 1,866,726; July 12.
Casing head and blow out preventer. J. D. Nixon. 1,857,101; May 3.
Casing head and casing support, Combination. W. B. Wigle. 1,867,390; June 31.
Casing head and gas saver, Universal. J. H. McEvoy. 1,875,632; Sept. 6.
Casing head construction. J. J. Conroy. 1,886,167; Nov. 1.
Casing head equipment for pneumatic swabs. N. H. Ricker. 1,844,245; Oct. 25.
Casing head, Swivel. J. J. Santiago. 1,875,266; Aug. 30.
Casing head, Universal. J. H. McEvoy, G. A. Humason, and E. A. Johnson. 1,875,749; Sept. 6.
Casing head, Well. J. Lotton. 1,865,121; June 28.
Casing, Heater. E. C. Booth. Des. 87,100; June 7.
Casing, Heater. E. C. Booth. Des. 87,870; Oct. 4.
Casing, Humidifier. A. A. Arnold. Des. 87,186; June 21.
Casing-in machine, Feed mechanism for. C. Schramm. 1,851,135; Mar. 29.
Casing-in process. W. Meyer and R. M. Duenewald. 1,844,516; Feb. 9.
Casing, Locomotive steam pipe. H. E. Riccius. 1,886,427; Nov. 8.
Casing measuring machine. L. De Moss. 1,859,291; May 24.
Casing or like article, Water heater. S. J. Lonergan. Des. 88,423; Nov. 29.
Casing or similar article, Calculating machine. W. D. Teague. Des. 88,496; Mar. 8.
Casing or stand, News ticker. A. Visscher, jr. Des. 87,174; June 14.
Casing, Pump. A. J. Ruth and A. H. Buermann. Des. 87,796; Sept. 20.
Casing, Radiator. J. J. Mundorf. 1,891,169; Dec. 13.
Casing, Reduction gear. I Short. 1,862,512; June 7.
Casing remover, Tire. H. A. Cherry. 1,882,118; Oct. 11.
Casing, Stove. T. R. Adams. 1,853,024; Apr. 12.
Casing, Sausage. S. Gall. 1,887,806; Nov. 15.
Casing, Sausage. S. Oppenheimer. 1,871,464; Aug. 16.
Casing, Sectional hot air furnace. W. M. Smith. 1,882,675; Oct. 18.
Casing, Sectional tire. G. Reinhardt. 1,869,117; July 26.
Casing, Sheet metal. G. D. Hauser. 1,842,783; Jan. 26.
Casing, Stovepipe. M. R. Shipley and W. A. and O. C. Trout. 1,881,379; Oct. 4.
Casing, Valve. F. G. D. Muller. Des. 86,467; Mar. 8.
Casing, Vending machine. T. L. Graham. Des. 86,309; Feb. 23.
Casing, Vented motor. C. E. Burdette. 1,846,837; Feb. 23.
Casing, Ventilated stop signal. H. C. Bohnet. 1,885,912; Nov. 1.
Casing, Washing machine. J. J. McCabe. Des. 87,897; Oct. 4.
Casing, Washing machine. H. E. Nelson. Des. 86,735; Apr. 12.
Casing, Weather excluding. J. Van Vorst. 1,844,827; Feb. 9.
Casing, Weighing machine. B. B. Rochestie. Des. 87,942; Oct. 11.
Casings, Apparatus for cementing well. F. J. Hinderliter. 1,858,501; May 17.
Casings, Bolting turbine. F. Hodgkinson. 1,839,850; Jan. 5.
Casings, Curing. P. J. Long. 1,860,335; May 24.
Casings, Manufacturing tire. A. O. Abbott, jr. 1,871,438; Aug. 16.
Casings of electrical apparatus with inert atmospheres, Method and apparatus for providing the. T. T. Greenwood. 1,881,510; Oct. 11.
Casings, Toughening sheep. D. E. Welts. 1,863,818; June 21.
Casein, Manufacture of. C. L. Riley. 1,878,182; Sept. 20.
Casein, Method of and apparatus for drying. F. L. Chappell. 1,892,233; Dec. 27.
Casement operator. T. Johnson. 1,841,247; Jan. 12.
Cash register. C. H. Arnold. 1,840,535; Jan. 12.
Cash register. C. H. Arnold. 1,873,733; Aug. 23.
Cash register. F. W. F. Berger. 1,864,228; June 21.
Cash register. B. Blenkinsop, E. Blenkinsop, K. A. Lehmann, and A. Varren. 1,865,883; July 5.
Cash register. S. Brand. 1,839,371; Jan 5.
Cash register. S. Brand. 1,874,149; Aug. 30.
Cash register. W. M. Carroll. 1,853,015; Apr. 5.
Cash register. J. P. Frank. 1,874,272; Aug. 30.
Cash register. F. L. Fuller. 1,873,701; Aug. 23.
Cash register. F. L. Fuller. 1,873,754; Aug. 23.
Cash register. F. L. Fuller. 1,874,275–7; Aug. 30.
Cash register. F. L. Fuller. 1,883,894; Oct. 25.
Cash register. H. J. Gaisman. 1,885,252; Nov. 1.
Cash register. C. W. Green. 1,842,546; Jan. 26.
Cash register. C. W. Green. 1,855,938; Apr. 26.
Cash register. C. W. Green. 1,870,004; Aug. 2.
Cash register. C. W. Green. 1,871,846; Aug. 16.
Cash register. C. W. Green. 1,873,759–60; Aug. 23.
Cash register. C. W. Green. 1,874,255; Aug. 30.
Cash register. C. W. Green. 1,874,739; Aug. 30.
Cash register. M. Jacob. 1,858,626; May 17.
Cash register. W. J. Kelly. 1,843,962; Feb. 9.
Cash register. W. Kropff. 1,847,532; Mar. 1.
Cash register. C. L. Lee. 1,873,770; Aug. 23.
Cash register. W. H. Robertson. 1,842,916; Jan. 26.
Cash register. W. H. Robertson. 1,842,951; Jan. 26.
Cash register. W. H. Robertson. 1,864,761; June 28.
Cash register. W. H. Robertson. 1,873,723; Aug. 23.
Cash register. W. H. Robertson. 1,874,805; Aug. 30.
Cash register. P. Sburlino. 1,874,365; Aug. 30.
Cash register. B. M. Shipley. Jan. 12, 1932.
Cash register. B. M. Shipley. 1,840,639–40; Jan. 12.
Cash register. B. M. Shipley. 1,843,990; Feb. 9.
Cash register. B. M. Shipley. 1,865,147; June 28.
Cash register. B. M. Shipley. 1,865,149; July 5.
Cash register. B. M. Shipley. 1,874,368; Aug. 30.
Cash register. B. M. Shipley and E. E. Holt. 1,870,073; Aug. 2.
Cash register. E. J. Von Pein. 1,869,873; Aug. 2.
Cash register. E. J. Von Pein. 1,874,719; Aug. 30.
Cash register and adding machine, Combined. W. L. Paden. 1,874,006; Aug. 9.
Cash register, Automatic. J. B. Handley. 1,841,118; Jan. 12.
Cash register, Lever set lever operated. M. M. Goldberg. 1,865,627; July 5.
Cash till with coin assorter. A. Godefroid. 1,889,472; Nov. 29.
Casket. J. G. Evel. 1,848,417; Mar. 8.
Casket. C. B. Markle, jr. Des. 85,940; Jan. 19.
Casket. G. B. Markle, jr. Des. 87,349; July 12.
Casket. H. A. Neff. 1,890,093; Dec. 6.
Casket. G. Rosenqvist. 1,853,747; Apr. 12.
Casket and burial vault, Combined. E. G. Daniels. 1,883,600; Oct. 18.
Casket box, Sheet metal. R. L. Cobb. 1,871,453; Aug. 16.
Casket, Burial. E. E. Falck. Des. 86,563; Mar. 22.
Casket, Burial. R. P. Henderson. Des. 88,293; Nov. 15.
Casket, Burial. J. C. Marsellus. Des. 86,532; Mar. 15.
Casket display rack. F. Leicht. 1,841,412; Jan. 19.
Casket handle. H. Wesemann. 1,851,225; Mar. 29.
Casket, Hermetically sealed. E. G. Jenkins. 1,863,855; June 21.
Casket, Knockdown and combination burial. A. G. Gutmann. 1,841,585; Jan. 19.
Casket lowering device. W. S. Wilhelm, sr. 1,847,157; Mar. 1.
Casket lowering device safety attachment. W. F. Beckett. 1,860,767; May 31.
Casket placer. H. J. Harder and H. R. Kotenberg. 1,868,796; July 26.
Casket, Refrigerating. C. H. J. Truman. 1,887,665; Nov. 15.
Caskets by galvanoplastic process, Making. G. Rosenqvist. 1,853,700; Apr. 12.

Casks, barrels, or hogsheads, etc., System of stowing wine. O. Alfaro. 1,875,406; Sept. 6.
Cassette for X-ray work. T. K. Richards and H. M. Weber. 1,879,498; Sept. 27.
Cast-iron of high qualities of strength in a cupola furnace, Producing. K. Emmel. 1,857,453; Nov. 8.
Cast-off. B. T. Laven. 1,840,401; Jan. 12.
Cast wheel. W. M. Duncan. 1,859,077; May 17.
Caster. J. T. Graham. 1,881,402; Oct. 4.
Caster. W. F. Herold. 1,873,383; Aug. 23.
Caster. W. F. Herold. 1,888,036; Nov. 22.
Caster. W. F. Herold. 1,888,801; Nov. 22.
Caster. J. A. Kimball. 1,839,396; Jan. 5.
Caster. A. L. Kelly. 1,861,529; June 7.
Caster. R. E. Miller. 1,869,574; Aug. 2.
Caster. E. A. Reed. 1,869,179; July 26.
Caster. R. Thil. 1,871,098; Aug. 9.
Caster. K. E. Walter. 1,868,552; July 26.
Caster, Adjustable. C. R. Nalle. 1,879,421; Sept. 27.
Caster base. C. W. Stevens. 1,848,501; Mar. 6.
Caster construction. M. C. Hill. 1,861,919; June 7.
Caster cup, Sliding. C. A. Schacht. 1,861,095; May 31.
Caster, Double spring. F. Pawlikowski. 1,864,933; June 28.
Caster, Furniture. T. P. Duncan, jr. 1,849,570; Mar. 15.
Caster, Heavy duty. W. H. Noelting. 1,884,142; Oct. 25.
Caster roller. W. F. Schacht. 1,861,510; Apr. 26.
Caster roller. W. F. and S. E. Schacht. 1,887,436; Nov. 8. 1,887,436; Nov. 8.
Caster, Sliding. C. A. Schacht. 1,855,844; Apr. 26.
Caster, Spring. H. W. Deisler. Re18,467; May 17.
Caster stem and socket. E. A. Brokaw and W. H. Noelting. 1,859,533; May 24.
Caster, Swivel. S. W. Chesnutt. 1,885,990; Nov. 1.
Caster wheel. W. F. Schacht. 1,855,316; Apr. 26.
Casters, Adjustable attachment for. W. H. Noelting and W. M. Van Dusen. 1,879,429; Sept. 27.
Casting and finishing machine for stereotype printing plates, Multiple. H. A. W. Wood. 1,883,221; Oct. 18.
Casting machine. J. Andrusow and J. Schmeller, sr. 1,885,039; Oct. 25.
Casting, Apparatus for. A. E. Greene. 1,863,371; June 14.
Casting backing. J. Krivig. 1,883,969; Oct. 25.
Casting box. G. A. Stoffel. 1,855,531; Apr. 26.
Casting, Continuous centrifugal. R. H. Eurich and B. F. Anthony. 1,864,194; June 21.
Casting for dipper doors, Turtle back reenforcing. D. H. Meyer. 1,864,210; June 21.
Casting for radiators, Head. H. H. Linn. 1,877,516; Sept. 13.
Casting machine. W. J. Demming. 1,871,045; Aug 9.
Casting machine. E. N. Dollin and W. Gebauer. 1,851,756; Mar. 29.
Casting machine. J. V. Turner. 1,884,394; Oct. 25.
Casting machine. V. S. Williams. 1,877,544; Sept. 13.
Casting machine, Automatic. A. W. Morris and S. P. Wetherill, jr. 1,856,352; May 3.
Casting machine, Centrifugal. A. von Frankenberg. 1,862,440; Jun 7.
Casting machine with metal feeder. L. G. Olander. 1,863,993; June 21.
Casting metals and metaloids, Apparatus for. G. Pemetrieder. 1,876,261; Sept. 6.
Casting, Method and apparatus for centrifugal. C. Tama. 1,844,701; Feb. 9.
Casting mold. D. Pettis. 1,866,599; July 12.
Casting mold. F. M. Poe. 1,855,529; Apr. 26.
Casting of dual metal bushings, Apparatus for centrifugal. R. H. Fike. 1,870,830; Aug. 9.
Casting products embodying material of low specific gravity. D. S. Connelly and T. J. Hahn. 1,850,743; Mar. 22.
Castings and making the same, Silicon iron. F. S. Hodson. 1,861,568; June 7.
Castings, Apparatus for manufacturing compound. K. Ackermann. 1,843,702; Feb. 2.
Castings, Apparatus for molding helical. C. E. Nordfeldt, W. J. Ahlquist, and J. M. Emery. 1,856,166; May 3.
Castings of magnesium and magnesium alloys in permanent molds, Production of. A. Beck. 1,861,592; June 7.
Castings with tapped holes therein, Producing. R. V. Burdick and H. Krug. 1,891,607; Dec. 20.
Castor oil, Product of. C. G. Merrell and M. Bye. 1,862,315; June 7.
Castor oil, Production of modified. H. Ufer. 1,892,258; Dec. 27.
Castor, Sliding. C. A. Schacht. 1,861,094; May 31.
Castrating instrument, Veterinary. H. Zins. 1,850,906; Mar. 22.
Catafalque. J. M. Seely. Des. 87,558; Aug. 9.
Cataloguing device. B. B. Harding. 1,845,410; Feb. 16.
Catalyst. C. Harris. 1,850,181; Mar. 22.
Catalyst. H. Joseph. 1,887,978; Nov. 15.
Catalyst for production of hydrocyanic acid. T. Ewan. 1,876,213; Sept. 6.
Catalyst for synthetic menthanol production. C. L. Gabriel and B. K. Brown. 1,875,722; Sept. 6.
Catalyst for the preparation of esters. J. Martin and I. J. Krchma. 1,869,761–2; Aug. 2
Catalyst for the production of methanol and other carbon compounds and making same. A. T. Larson. 1,844,857; Feb. 9.
Catalyst for vapor phase oxidation of organic compounds. A. R. Day. 1,871,117; Aug. 9.
Catalysts comprising phosphates, Production of. L. Andrussow and F. Duerr. 1,882,712; Oct. 18.
Catalysts for the production of carbon black. W. Haag. 1,882,813; Oct. 18.
Catalysts, Process and apparatus for testing. L. F. Curtiss. 1,849,911; Mar. 15.
Catalysts, Producing. W. F. Faragher. 1,865,180; June 28.
Catalysts, Regenerating. A. O. Jaeger. 1,848,723; Mar. 8.
Catalytic apparatus. W. J. Edmonds. 1,848,466; Mar. 8.
Catalytic apparatus. H. O. C. Isenberg. 1,857,308; May 10.
Catalytic apparatus. A. O. Jaeger. 1,850,398; Mar. 22.
Catalytic contact mass. A. P. Beardsley and M. L. Dolt. 1,849,678; Oct. 4.
Catalytic gel and making same. E. H. Barclay. 1,879,022; Sept. 27.
Catalytic materials, Preparing. G. H. B. Davis. 1,850,078; Nov. 29.
Catalytic mixture, Production of uniform. H. N. Holmes. 1,852,207; Apr. 5.
Catalytic process and apparatus. A. O. Jaeger. 1,850,797; Mar. 22.
Catalytic process and apparatus. A. O. Jaeger and J. A. Hertsch. 1,872,956; Aug. 23.
Catalytic process for hydrolyzing organic halides. R. L. Jenkins and J. F. Norris. 1,884,710; Oct. 25.
Catalytic reaction. J. Fahrenhurst, K. Goeggel, and F. Kraegeloh. 1,851,762; Mar. 29.
Catalyzer. F. Jost. 1,858,741; May 17.
Catalyzer for gaseous reactions. F. Lopez. 1,871,004; Aug. 9.
Catalyzer for the oxidation of ammonia with oxygen or with gases containing oxygen. I. W. Cederberg. 1,889,463; Nov. 29.
Catamenial appliance. M. C. Norton. 1,866,220; July 5.
Catamenial bandage. M. C. Andrews. 1,859,192; May 17.
Catapult for gliders. V. A. Stevens. 1,846,157; Feb. 23.
Cataract condensation apparatus. R. S. Danforth. 1,874,849; Aug. 30.
Catch, Bag frame side. W. A. Heilmann. 1,862,621; June 14.
Catch, Door or window casement. W. C. Marshall and J. H. Turner. 1,889,681; Nov. 29.
Catch for brooches and the like, Safety. M. Folkman. 1,850,623; Mar. 22.
Catch for metal spring hardware, Spring. R. H. Hummert and G. E. Gravenstine. 1,867,745; July 19.
Catch for oven doors. W. Moll. 1,865,331; June 28.
Catch, Hood. A. Claud-Mantle. 1,877,186; Sept. 13.
Catch, Hood. L. V. Cram and J. F. Wilson. 1,871,779; Aug 16.
Catch. Hood. I. S. Keeler. 1,855,243; Apr. 26.
Catch, Hood. R. G. Moore. 1,854,803; Apr. 19.
Catch, Hood. R. G. Moore. 1,872,321; Aug. 16.
Catch, Hood. R. G. Moore. 1,875,880; Sept. 6.
Catch, Hood. E. T. Ragsdale. 1,872,184; Aug. 16.
Catch, Hood. W. R. Wiley. 1,888,292; Nov. 22.
Catch lock. H. M. Stieglitz. 1,877,612; Sept. 13.
Catcher. I. R. Taylor. 1,863,510; June 14.
Catching device. R. Fisher. 1,851,305; Mar. 29.
Catenary hanger. L. Birch. 1,886,463; Nov. 8.
Cathead, Automatic. W. L. Foster. 1,860,709; May 31.
Cathead, Automatic. B. F. Kelley. 1,855,801; Apr. 26.
Cathead for drilling apparatus. E. E. Greve. 1,850,976; Mar. 22.
Cat-head for drilling apparatus. E. E. Greve. 1,852,842; Apr. 5.
Catheter. C. M. Jacoby. 1,888,349; Nov. 22.
Catheterizing instrument. R. H. Wappler. 1,861,769; June 7.
Cathode. F. S. McCullough. 1,858,676; May 17.
Cathode and thermion devices. A. McL. Nicolson. 1,840,789; Jan. 12.
Cathode coating composition and making the same. J. A. Heany. 1,892,528; Dec. 27.
Cathode device, Hot. A. W. Hull. 1,863,407; June 14.
Cathode diaphragm structure, Electrolytic. K. E. Stuart. 1,885,497; Apr. 26.
Cathode-diaphragm structures, Production of electrolytic. K. E. Stuart. 1,865,152; June 28.
Cathode, Electron discharge. L. L. Jones. 1,881,644; Oct. 11.
Cathode for electric discharge devices. J. W. Case. 1,866,894; June 14.
Cathode for electric discharge devices. W. F. Winter, jr. 1,891,074; Dec. 13.
Cathode for electrolytic condensers. J. E. Lilienfeld. 1,900,263; Oct. 4.
Cathode for electron discharge devices. A. Mavrogenis. 1,890,859; Dec. 13.
Cathode for electron discharge devices. E. G. Widell. 1,870,306; Aug. 9.
Cathode for electron discharge devices, Incandescent. H. E. Rukop. 1,843,244; Feb. 2.
Cathode for thermionic tubes. H. W. Parker. 1,852,023; Apr. 5.
Cathode for thermionic tubes and manufacturing same, Incandescent. E. Winter. 1,867,959; July 19.
Cathode, Incandescent. P. R. Dijksterhuis. 1,852,739; Apr. 5.

Cathode mounting for mercury vapor devices. K. Braband. 1,869,130; July 26.
Cathode starting sheets for electrolysis. Method and apparatus for manufacturing and assembling. W. F. and W. F. Eppensteiner. 1,849,081; Mar. 15.
Cathode structure. E. Römhild. 1,890,339; Dec. 6.
Cathode, Thermionic. G. P. Halliwell. 1,883,898; Oct. 25.
Cathodes, Making brittle. H. H. Stout, jr., and W. H. Osborn. 1,845,097; Feb. 23.
Cathodes of space discharge devices, Heating. W. van B. Roberts. 1,888,360; Nov. 22.
Catlledge, Jr., and Lederegg. 1,854,093; Apr. 12.
Caustic silicate. P. O. Rockwell. 1,857,402; May 10.
Cavities in trees, Treating and filling. W. M. Ritchie. 1,894,019; Dec. 6.
Cedar chest. L. K. Loftin. 1,875,247; Aug. 30.
Cedar chest. L. K. Loftin. 1,890,999; Dec. 13.
Ceiling. L. Berger. 1,878,812; Sept. 20.
Ceiling and floor structure. J. Kahn. 1,860,616; May 31.
Ceiling construction. F. M. Venzie. 1,850,735; Mar. 22.
Ceiling construction. F. M. Venzie. 1,864,963; June 28.
Ceiling construction, Metallic. A. C. Olsen. 1,865,131; June 28.
Ceiling construction, Suspended. F. M. Venzie. 1,854,968; Apr. 19.
Ceiling construction, Suspended. F. M. Venzie. 1,861,615; June 7.
Cell and making the same. T. W. Case. 1,872,675; Aug. 23.
Cell and mounting therefor, Electrolytic. W. E. Holland. 1,845,047; Feb. 16.
Cell and seal therefor, Dry. C. O. Deibel. 1,866,016; July 5.
Cell capable of showing the Kerr effect. T. W. Case. 1,861,738; June 7.
Cell, Developing apparatus, Multiple. F. M. Owens. 1,848,575; Mar. 8.
Cellar, Grease. A. L. Moler. 1,888,512; Nov. 22.
Cells by means of rays of light, Apparatus for treating living. G. Reiter and D. Gábor. 1,856,969; May 3.
Cellular composition, Making a. F. R. Wenger. 1,878,047; Sept. 20.
Cellular product. G. D. King. 1,844,662; Feb. 9.
Celluloid and the like, Products of. W. Mendel. 1,884,068; Oct. 25.
Celluloid and the like to mandrels, Attaching sheets of. J. N. Whitehouse. 1,860,488; May 31.
Celluloid, Ornamentation of. A. Michael. 1,883,854; Oct. 18.
Cellulose acetate and the product thereof, Highly polymerizing. A. Nathansohn. 1,891,829; Dec. 20.
Cellulose acetate and the product thereof, Making chloroform insoluble. C. J. Staud and H. L. Gray. 1,870,594; Aug. 9.
Cellulose acetate composition. S. J. Carroll. 1,870,556; Aug. 9.
Cellulose acetate composition. R. L. Kramer. 1,874,310; Aug. 30.
Cellulose acetate composition. W. R. Webb and H. T. Clarke. 1,884,433; Oct. 25.
Cellulose acetate composition of matter containing ethyl acetyl glycollate. H. B. Smith. 1,858,287; May 17.
Cellulose acetate composition of matter containing guaiacol acetate. H. B. Smith. 1,858,285; May 17.
Cellulose acetate composition of matter containing salicyl aldehyde. H. B. Smith. 1,858,286; May 17.
Cellulose acetate compositions containing mixed volatile solvents. S. J. Carroll. 1,866,964; July 12.
Cellulose acetate free from haze, Production of. C. J. Malm. 1,840,404; Jan. 12.
Cellulose acetate free from haze, Rendering. C. J. Malm. 1,878,954; Sept. 20.
Cellulose acetate, Hydrolysis of. H. L. Gray, C. J. Staud and C. S. Webber. 1,857,190; May 10.
Cellulose acetate, Hydrolysis of. C. S. Webber and C. J. Staud. 1,880,560; Oct. 4.
Cellulose acetate, Making. F. Bidsud. 1,859,579; May 24.
Cellulose acetate, Making. H. Le B. Gray and C. J. Staud. 1,866,217; July 12.
Cellulose acetate, Manufacture of. H. L. Barthélemy. 1,880,067; Sept. 27.
Cellulose acetate, Manufacture of. S. E. Sheppard. 1,878,988; Sept. 20.
Cellulose acetate, Manufacture of. C. J. Staud and J. T. Purves. 1,844,718; Feb. 9.
Cellulose acetate, Manufacturing. J. Altwegg. 1,870,980; Aug. 9.
Cellulose acetate, Precipitating. S. E. Sheppard and L. W. Eberlin. 1,844,717; Feb. 9.
Cellulose acetate solution, Treatment of. H. L. Barthelemy. 1,844,417; Feb. 9.
Cellulose acetate solvent and composition. C. J. Staud and C. S. Webber. 1,880,513; Oct. 4.
Cellulose acetate, Treatment of. C. J. Malm. 1,870,635; Aug. 9.
Cellulose acetate with vaporized acetylating agents, Making. C. R. Noller. 1,880,466; Oct. 4.
Cellulose acetates, Changing solubility of. C. J. Malm. 1,878,953; Sept. 20.
Cellulose and derivatives thereof, Treatment of. H. Dreyfus. 1,864,629; Oct. 25.
Cellulose articles, Making. H. H. Wright. 1,870,307; Aug. 9.
Cellulose, Benzoylation of. C. S. Webber and C. J. Staud. 1,880,559; Oct. 4.
Cellulose, Benzoylation of matter containing benzyl aniline. T. F. Murray, jr., and C. J. Staud. 1,880,463; Oct. 4.
Cellulose compositions of matter. M. J. Theumann. 1,870,972; Aug. 9.
Cellulose compound, Plastic. G. E. Zelger. 1,886,775; Nov. 8.
Cellulose compounds, Manufacture of new. L. Lilienfeld. 1,881,741; Oct. 11.
Cellulose, Delustered regenerated. H. A. Gardner. 1,864,426; June 21.
Cellulose derivative products. C. J. Staud and C. S. Webber. 1,880,514; Oct. 4.
Cellulose derivatives and preparing the same, Artificial products from. H. Persiel, G. Balle, and K. Sponsel. 1,885,475; Nov. 1.
Cellulose derivatives containing nitrogen and making same. R. Haller and A. Heckendorn. 1,892,489; Dec. 27.
Cellulose derivatives, Coloration of. G. H. Ellis, H. C. Olpin, and E. E. Walker. 1,844,350; Feb. 9.
Cellulose derivatives, Dyeing of. G. Rivat, E. Cadgene, and C. Dreyfus. 1,871,470; Aug. 16.
Cellulose derivatives from alkali-cellulose in the form of pulp boards by means of esterifying and etherifying agents in the gaseous state, Preparing. O. Ernst, K. Sponsel, and G. Balle. 1,865,745; June 21.
Cellulose derivatives, Reducing the viscosity of. E. E. Reid. 1,874,304; Aug. 30.
Cellulose derivatives, Treatment of. H. Dreyfus. 1,883,351; Oct. 18.
Cellulose derivatives, Treatment of. G. H. Ellis. 1,840,572; Jan. 12.
Cellulose derivatives, Treatment of materials made of or containing. H. Dreyfus. 1,855,131; Apr. 19.
Cellulose digestion. A. M. Buswell and C. S. Boruff. 1,880,773; Oct. 4.
Cellulose ester composition. G. Rocker and E. B. Middleton. 1,868,851; July 26.
Cellulose ester material and product thereof, Partial saponification of. C. Dreyfus and H. Platt. 1,884,623; Oct. 25.
Cellulose ester material, Partial saponification of. C. Dreyfus and H. Platt. 1,866,153; July 5.
Cellulose esters and ethers, Application of. G. Schneider. 1,883,412; Oct. 18.
Cellulose esters and making the same. H. Dreyfus. 1,872,701; Aug. 23.
Cellulose esters and preparing them. G. Balle and K. Ost. 1,867,050; July 12.
Cellulose esters and products thus obtained, Making and treating. L. M. Burghart. 1,839,295; Jan. 5.
Cellulose esters, Making mixed. A. Welhe. 1,867,123; July 12.
Cellulose esters, Manufacture of. H. Dreyfus. 1,862,589; June 14.
Cellulose esters, Manufacture of. H. Gault and B. M. R. Augla. 1,882,551; Oct. 11.
Cellulose esters of carboxylic acids, Making. H. T. Clarke and C. J. Malm. 1,880,808; Oct. 4.
Cellulose esters of high molecular organic acids and making the same. M. Hagedorn and G. Hingst. 1,867,942; July 19.
Cellulose esters of inorganic acids. M. Hagedorn and E. Guehring. 1,848,524; Mar. 8.
Cellulose esters, Producing. G. Heberlein and A. Bodmer. 1,856,993; May 17.
Cellulose esters, Production of low viscosity. C. J. Malm and A. Andersen. 1,857,562; May 10.
Cellulose esters, Reducing the viscosity of. C. Dreyfus and G. Schneider. 1,851,665; Mar. 29.
Cellulose, Esterification of. H. L. Barthélemy. 1,839,912; Jan. 5.
Cellulose, Esterification of. J. F. Haskins. 1,866,532; July 12.
Cellulose, Esterification of. C. S. Webber and S. J. Staud. 1,866,686; July 12.
Cellulose ether composition. H. H. Hopkins and J. B. Secor. 1,855,744; Apr. 26.
Cellulose ether, Manufacture of mixed. M. Hagedon and E. Rossbach. 1,877,856; Sept. 20.
Cellulose ether, Nitrated. A. Weihe, O. Leuchs, and E. Dörr. 1,871,868; Aug. 16.
Cellulose ethers, Preparing. G. W. Miles. 1,841,335; Jan. 12.
Cellulose ethers, Reducing the viscosity of. E. E. Reid. 1,864,554; June 28.
Cellulose fiber and product of same, Treating. G. A. Richter. 1,842,689; Jan. 26.
Cellulose fiber and product thereof, Conditioning. M. O. Schur, R. H. Rasch, and B. G. Hoon. 1,880,051; Sept. 27.
Cellulose fiber, Lowering the solution viscosity of. G. A. Richter. 1,860,432; May 31.
Cellulose fiber, Processing of. G. A. Richter. 1,880,046; Sept. 27.
Cellulose fiber, Processing of. M. O. Schur and R. H. Rasch. 1,847,311; Mar. 1.
Cellulose fiber, Producing low-viscosity. G. A. Richter. 1,860,431; May 31.
Cellulose films and sheets, Regenerated. H. A. Gardner. 1,864,427; June 21.
Cellulose foils, Uniting lacquered. R. Weingaud. 1,888,402; Nov. 22.

Cellulose from cellulosic raw materials, Producing pure. R. Dosne. 1,854,331 ; Apr. 19.
Cellulose from cornstalks, Manufacture of. E. R. Darling. 1,846,511 ; Feb. 23.
Cellulose from lignified material, Method and apparatus for producing. R. S. Hutch. 1,852,011 ; Apr. 5.
Cellulose from materials containing cellulose, Extraction of. H. Heimann, I. Petersen, A. Bayerl, and H. Seefried. 1,849,198 ; Jan. 5.
Cellulose from wood, straw, grasses and other vegetal materials. Producing high-grade. E. Schmidt. 1,840,413 ; Jan. 12.
Cellulose, Making acidyl. O. Jaeck. 1,839,967 ; Jan. 5.
Cellulose, Making alkali. L. Lilienfeld. 1,858,017 ; May 31.
Cellulose, Manufacturing. J. J. de la Roza, sr. 1,862,177 ; June 7.
Cellulose, Manufacturing. J. J. de la Roza, sr. 1,864,985 ; June 28.
Cellulose material from hemp fibers, Manufacture of. E. C. Worden. 1,866,917 ; July 12.
Cellulose material, Mortifying. H. P. Bassett. 1,883,478 ; Oct. 18.
Cellulose material, Treating. H. P. Bassett. 1,842,649 ; Jan. 26.
Cellulose material, Treating. W. F. Richter. 1,860,053 ; May 24.
Cellulose materials, Dyeing of regenerated. R. Brightman. 1,873,278 ; Aug. 23.
Cellulose nitro-acylate, Production of. C. J. Staud and C. E. Waring. 1,854,338 ; Oct. 25.
Cellulose organic derivative composition of matter containing B-ethoxy ethyl lactate. H. B. Smith. 1,884,318 ; Oct. 25.
Cellulose organic ester composition of matter containing an ester of a brominated malonic acid. H. B. Smith. 1,850,508 ; Oct. 4.
Cellulose preparatory to esterification, Treatment of. H. Dreyfus. 1,857,183 ; May 10.
Cellulose prior to esterification, Treatment of. H. Dreyfus. 1,869,307 ; July 26.
Cellulose prior to nitration, Pretreatment of. M. O. Schur and B. G. Hoos. 1,846,553 ; Mar. 8.
Cellulose, Producing. S. E. Seaman. 1,891,337 ; Dec. 20.
Cellulose pulp adapted for nitration and making it, Shredded. M. O. Schur and B. G. Hoos. 1,880,052 ; Sept. 27.
Cellulose pulp, Chemically treating and bleaching. G. A. Richter and M. O. Schur. 1,858,522-3 ; May 17.
Cellulose rayon, Dyeing regenerated. R. Brightman. 1,868,936 ; July 26.
Cellulose resin product and its preparation. H. C. Rohlfs. 1,859,272 ; July 5.
Cellulose sheets, Drying thin. C. H. von Hoessle and O. M. Schade. 1,890,832 ; Dec. 13.
Cellulose shells from solutions of cellulose, Casting. C. H. von Hoessle. 1,892,657 ; Dec. 27.
Cellulose solutions, Purification of. J. J. Stoeckiy and E. Witte. 1,886,504 ; Nov. 8.
Cellulose xanthate, Preparing. R. Dosne. 1,857,948 ; May 10.
Cellulose xanthogenate, Apparatus for making. J. H. Bartlett. 1,848,095 ; Mar. 8.
Cellulosic composition of matter containing dibenzyl succinate. H. B. Smith. 1,880,506 ; Oct. 4.
Cellulosic composition of matter containing diethyl phthalate and ortho-cresyl para-toluene sulphonate. C. J. Staud. 1,884,337 ; Oct. 25.
Cellulosic composition of matter containing ethyl cyclopentanone carboxylate. T. F. Murray, jr., and C. J. Staud. 1,880,464 ; Oct. 4.
Cellulosic composition of matter containing lower alkyl ester of malonic acid. H. B. Smith. 1,880,507 ; Oct. 4.
Cellulosic material and its manufacture. C. Holzwarth. 1,888,952 ; Nov. 22.
Cellulosic material, Fermentation of. H. Langwell. 1,875,689 ; Sept. 6.
Cellulosic material, Multistage process of pulping raw. G. A. Richter. 1,850,043 ; Sept. 27.
Cellulosic material, Treating. C. D. Ainsworth. 1,888,419 ; Nov. 22.
Cellulosic materials and making same. A. Landolt 1,878,873 ; Sept. 20.
Cellulosic materials, Fermentation of. L. M. Christensen. 1,881,893 ; Sept. 8.
Cellulosic materials, Manufacture of. H. A. Gardner. 1,864,428 ; June 21.
Cellulosic materials, Separation of. L. E. Clement. 1,866,965 ; July 12.
Cellulosic plastics, Coloring. E. J. Bowley. 1,891,520 ; Dec. 20.
Cellulosic products, Making. A. H. Hooker. 1,847,111 ; Mar. 1.
Cellulosic pulp, Producing. E. R. Darling. 1,845,488 ; Feb. 16.
Cellulosic pulps, Effecting refining reactions on. G. A. Richter. 1,859,891 ; May 24.
Cement, Adhesive. F. J. Wallace. 1,848,981 ; Mar. 8.
Cement and gypsum, Bonding. C. M. Chapman. 1,874,170 ; Aug. 30.
Cement and making it. G. Lynn. 1,857,205 ; May 10.
Cement and other pulverulent materials, Apparatus for handling. M. A. Roblee and G. H. Kunz. 1,869,619 ; Aug. 2.
Cement and process of making. H. McC. Larmour and S. C. Pierce, jr. 1,865,021 ; June 28.
Cement and producing the same, Rubber. R. M. Warner. 1,869,638 ; Aug. 2.
Cement asbestos products, Making. E. J. Maust. 1,871,489 ; Aug. 16.
Cement, Asphaltic. W. C. Ferguson. 1,878,625 ; Sept. 20.
Cement clinker treatment. H. M. Larmour and S. C. Pierce, jr. 1,859,926 ; May 24.
Cement composition and method and material for making same, Portland. H. H. Steinour. 1,852,595 ; Apr. 5.
Cement composition and producing same. H. K. Moore. 1,880,038 ; Sept. 27.
Cement composition, Making. S. G. Seaton. 1,855,271 ; Apr. 26.
Cement concrete, Curing. W. H. Rowan and H. K. Buckner. 1,867,421 ; July 12.
Cement, etc., Manufacturing white Portland. G. Bergen, F. Engelhardt, and R. Steckhan. 1,865,418 ; June 28.
Cement for floor coverings. L. Fleischman. 1,846,637 ; Feb. 23.
Cement from coal ashes, Making Portland. W. M. Guertler. 1,874,186 ; Aug. 30.
Cement, Insulating. H. N. Clark. 1,851,038 ; Mar. 29.
Cement loading device. G. O. Harm. 1,872,283 ; Aug. 16.
Cement, Making magnesium. R. W. Gelder. 1,876,909 ; Sept. 13.
Cement, Making Portland. E. W. Rice. 1,864,935 ; June 28.
Cement, Making Portland. H. H. Steinour. 1,856,442 ; May 3.
Cement, Manufacture of. K. Balthasar. 1,844,940 ; Feb. 16.
Cement, Manufacture of. V. G. Lepine. 1,868,240 ; July 19.
Cement, Manufacture of hydraulic. P. T. Lindbard. 1,863,845 ; Nov. 1.
Cement, Manufacture of Portland. P. R. Whelan. 1,852,547 ; Apr. 5.
Cement, mortar, and concrete waterproof, Rendering. W. Kirchner. 1,844,663 ; Feb. 9.
Cement mortar, cement concrete and the like, Manufacture of a bituminous. A. J. De Lange. 1,889,437 ; Nov. 29.
Cement, Nitrocellulose. C. Ellis. 1,877,717 ; Sept. 13.
Cement or like material in bulk, Apparatus for handling. M. Kind. 1,869,710 ; Aug. 2.
Cement, Plasticizing hydraulic. C. E. Kraus. 1,885,731 ; Nov. 1.
Cement powder and motar powder. K. Frank and K. Dietz. 1,883,675 ; Oct. 18.
Cement product. J. W. Ledeboer. 1,856,570 ; May 3.
Cement product, Colored. J. W. Ledeboer. 1,844,404 ; Feb. 9.
Cement, Production of high early strength hydraulic. J. F. Goddard. 1,890,710 ; Jan. 12.
Cement, Production of hydraulic. G. O. Case. 1,848,934 ; Mar. 8.
Cement size. W. P. D. Moross. 1,861,317 ; May 31.
Cementing, Art and apparatus for oil well. C. F. Lytle. 1,842,106 ; Jan. 19.
Cementing compositions, Acid-proof. K. Dietz and K. Frank. 1,867,444 ; July 12.
Cementing head. J. E. Trouth. 1,882,099 ; Oct. 11.
Cementing machine. F. D. Kinney. 1,849,302 ; Mar. 15.
Cementing machine. H. F. Lewis. 1,849,958 ; Mar. 15.
Cementitious articles, Method and apparatus for making. A. Henderson. 1,891,764 ; Dec. 20.
Cementitious articles, Method of and apparatus for manufacturing. E. H. White. Re18,626 ; Oct. 18.
Cementitious composition and making same. A. Schwalz. 1,867,180 ; July 12.
Cements for teeth, Producing. O. Simon. 1,886,982 ; Nov. 8.
Center. J. H. Smith. 1,889,502 ; Nov. 29.
Center wall furnace. R. A. Wagstaff. 1,869,591 ; Aug. 2.
Centering and shearing machine, Automatic. F. A. Beatty. 1,885,320 ; Nov. 1.
Centering device. G. F. Couch. 1,884,581 ; Oct. 25.
Centering device. P. W. Haywood. 1,889,986 ; Dec. 6.
Centering device. S. S. Tayman. 1,850,055 ; Mar. 15.
Centering device for punch presses. C. H. Glaze and C. I. Brown. 1,866,704 ; July 12.
Centering device for radial draft gears. O. K. Kjolseth. 1,852,810 ; Apr. 5.
Centering device, Resilient. F. H. Beamer. 1,881,308 ; Oct. 4.
Centering gauge. A. Buchmüller. 1,846,787 ; Feb. 23.
Centering gauge. V. P. Schmidt and H. A. Brenaman. 1,878,396 ; Sept. 20.
Central station apparatus. M. H. Landers. 1,842,679 ; Jan. 26.
Centrifugal apparatus. T. Chester. 1,858,071 ; May 10.
Centrifugal device for electric motors. C. H. Kindl. 1,881,666 ; Oct. 11.
Centrifugal drier. W. V. Orr. 1,854,621 ; Apr. 19.
Centrifugal extractor. L. B. Hasbrouck. 1,844,009 ; Feb. 9.
Centrifugal extractor. H. Krantz. 1,853,821 ; Apr. 12.
Centrifugal machine. L. D. Jones. 1,872,962 ; Aug. 23.
Centrifugal machine. J. B. Kirby. 1,853,866 ; Apr. 12.
Centrifugal machine. V. W. MacIsaac. 1,882,390 ; Oct. 11.

Centrifugal machine. C. F. Meyer. 1,848,641; Mar. 8.
Centrifugal machine, Continuous automatic. H. A. Herr. 1,866,499; July 5.
Centrifugal machine, Continuous discharge. W. Hallitt. 1,882,383; Oct. 11.
Centrifugal mineral separator. L. I. Lorentsen. 1,886,111; Nov. 1.
Centrifugal paperstock screen. A. J. Haug. 1,882,662; Oct. 11.
Centrifugal separator. M. N. Bonsiakos. 1,858,574; May 17.
Centrifugal separator. H. W. Fawcett. 1,844,917; Feb. 9.
Centrifugal separator. H. W. Fawcett. 1,866,638; July 12.
Centrifugal separator. H. O. Lindgren. 1,887,476; Nov. 8.
Centrifugal separator. V. W. MacIsaac. 1,882,389; Oct. 11.
Centrifugal separator. G. ter Meer. 1,842,464; Jan. 26.
Centrifugal separator. W. Zeleznik. 1,839,941; Jan. 5.
Centrifugal switch. Z. C. Bradford. 1,873,180; Aug. 23.
Centrifugal switch. O. D. Griffin. 1,883,784; Oct. 18.
Centrifugal switch. M. J. Norris. 1,844,674; Feb. 9.
Centrifuge. L. F. Clark. 1,873,185; Aug. 23.
Centrifuge. A. Krupp. 1,841,823; Jan. 19.
Centrifuge method and apparatus. H. S. Coe. 1,847,751; Mar. 1.
Centripetal separator. W. C. Laughlin. 1,885,735; Nov. 1.
Ceramic articles, Process and apparatus for casting. B. S. Furniton. 1,882,191; Oct. 11.
Ceramic articles wire shaping them, Moistening. J. M. A. Faure. 1,839,750; Jan. 5.
Ceramic bodies, Process and apparatus for forming. E. T. Montgomery. 1,864,396; June 21.
Ceramic character or symbol. W. O. Prouty. 1,859,792; May 24.
Ceramic material. W. J. Scott. 1,847,102; Mar. 1.
Ceramic material and making the same. L. I. Shaw and W. J. Scott. 1,847,197; Mar. 1.
Ceramic material and making same, Light-weight. R. Ericson. Re18,606; Sept. 27.
Ceramic material and manufacturing ceramic articles. W. J. Scott. 1,839,196; Mar. 1.
Ceramic materials by sodium cyanide, Purification of. E. A. Slagle. 1,866,727; July 12.
Ceramic ware. Apparatus for treating. F. M. Hartford. 1,874,516; Aug. 30.
Ceramics. H. L. and R. M. Crowley. 1,885,234; Nov. 1.
Ceramics or marble effects in. E. A. Stewart. 1,884,346; Oct. 25.
Cereal food product, Making. S. H. Perky. 1,839,928; Jan. 5.
Cereal meals, Manufacturing. W. N. Boyes. 1,846,581; Feb. 23.
Cereal products, Process and composition for improving. J. F. Ioannu. 1,858,093; May 10.
Cereal treatment process. W. C. Anderson. 1,850,123; Mar. 22.
Cereals, Device for the conditioning and drying of. E. Roth. 1,892,319; Dec. 27.
Cereals, Opening up of. P. Gross. 1,877,170; Sept. 13.
Cereals, Pulling. J. L. Ferguson. 1,839,917; Jan. 5.
Chain. C. Breer. 1,840,081; Jan. 5.
Chain. C. P. Kottlowski. 1,877,339; Sept. 13.
Chain. J. McIlvaine. 1,884,056; Oct. 25.
Chain. W. H. Paulson. 1,861,642; June 7.
Chain. E. Prestinari. 1,854,857; Apr. 19.
Chain. S. Shafer, Jr. 1,883,004; Oct. 18.
Chain. A. P. Stinsen. 1,860,514; May 31.
Chain and making same, High speed. M. G. Jewett. 1,858,831; Oct. 11.
Chain and the like, Conveyer. C. G. Renold. 1,860,597; May 31.
Chain, Antiskid. C. F. Biffar. 1,880,170; Sept. 27.
Chain, Antiskid. F. H. Lewis. 1,840,782; Jan. 12.
Chain, Antiskid. F. H. Lewis. 1,845,026; Feb. 16.
Chain, Antiskid. F. B. Parsons. 1,878,291; Sept. 20.
Chain, Antiskid. J. Senft. 182,999–000; Oct. 18.
Chain, Antiskid. J. J. Senglar. 1,875,268; Aug. 30.
Chain, Antiskid tire. G. E. Thimmes. 1,889,300; Nov. 29.
Chain, Antiskid tire. C. J. Weiss. 1,862,104; June 7.
Chain applicator, Skid. R. T. Howard. 1,862,378; June 7.
Chain block. J. S. Parker. 1,878,312; Sept. 20.
Chain, Bracelet. S. Lederer. Des. 86,726; Apr. 12.
Chain, Bracelet. S. Lederer. Des. 86,476–8; Mar. 8.
Chain, Bracelet. A. E. R. Speidel. Des. 87,652; Aug. 23.
Chain, Bracelet. A. E. R. Speidel. Des. 87,892; Oct. 4.
Chain, Carrying. F. Kershaw and E. B. Kerst. 1,867,510; July 12.
Chain clamping device. F. J. Zimmersbach. 1,839,781; Jan. 5.
Chain, Closing. C. Rorabeck. 1,872,820; Aug. 23.
Chain connecter. F. G. Heinecke. 1,866,889; July 12.
Chain connecter for pulleys. W. G. Humphreys and O. R. Humphreys. 1,853,306; Apr. 12.
Chain construction, Ornamental. A. Schoeninger. 1,891,056; Dec. 13.
Chain control for splicing attachments. A. E. Page. 1,874,342; Aug. 30.
Chain, Conveyer. S. J. Benner. 1,866,993; July 12.
Chain, Conveyer. W. R. Coppage. 1,857,529; May 10.
Chain, Conveyer. W. R. Coppage. 1,869,050; July 26.
Chain, Conveyer. H. Edwards. 1,841,592; Jan. 19.
Chain, Conveyer. R. R. Fauntleroy. 1,858,079; May 10.
Chain, Conveyer. S. Shafer, jr. 1,883,005; Oct. 18.
Chain, Conveyer. G. E. Williams. 1,871,140; Aug. 9.
Chain, Cutting. E. S. McKinlay. 1,841,268; Jan. 12.
Chain device. J. M. Zaback. 1,841,236; Jan. 12.
Chain, Digger. L. G. Dunlap. 1,886,382; Nov. 8.
Chain drive. F. L. Morse. 1,852,536; Apr. 5.
Chain, Drive. F. L. Morse. 1,868,334; July 19.
Chain, Drive. F. L. Morse. 1,878,882; Sept. 20.
Chain, Drive. F. L. Morse. 1,887,137; Nov. 8.
Chain, Drive. D. B. Perry. 1,863,606; June 21.
Chain, Elastic bracelet. S. A. Johnson. 1,874,538; Aug. 30.
Chain for personal adornment. K. Fassnacht. Des. 87,810; Oct. 11.
Chain, Four point contact. R. W. Dull and E. Geertz. 1,865,844; July 5.
Chain hook. J. J. O. Fairhurst. 1,851,821; Mar. 29.
Chain link, Attachable. F. A. Calkins. 1,846,990; Feb. 23.
Chain link wire fabric. A. A. G. Land. 1,885,361–2; Nov. 1.
Chain lugs, Method and apparatus for reforming worn mining. A. L. Oldacre. 1,848,493; Mar. 8.
Chain making machines, Attachment for. F. E. Stahl. 1,843,004; Jan. 26.
Chain making, Method and apparatus for. C. Kohm. 1,886,194; Nov. 1.
Chain manufacture. O. W. Mojonnier. 1,873,619; Aug. 23.
Chain, method, and method of welding. H. C. Brown. 1,860,837; July 12.
Chain, Nonskid tire. L. Labbé. 1,872,757; Aug. 23.
Chain oiling device. R. F. Dow. 1,868,198; July 19.
Chain or ornament holding unit. W. E. Bernhilch. 1,873,736; Aug. 23.
Chain-pulse variable-weight balance. W. Heusser. 1,883,386; Oct. 4.
Chain post and making the same. P. O. Unger. 1,857,988; May 10.
Chain propeller. R. N. Kerr. 1,859,145; May 17.
Chain riveting machine. C. E. Wertman. 1,884,443; Oct. 25.
Chain. W. Boppenhausen. 1,886,784; Nov. 8.
Chain run for vehicles. H. A. Winter. 1,850,367; Mar. 22.
Chain, Self-cleaning. A. Redler. 1,885,946; Nov. 1.
Chain shackle. G. Lindvall. 1,866,813; July 12.
Chain, Skid. R. M. Krisan. 1,855,974; Apr. 26.
Chain Sprocket. F. Muhlenhaupt. 1,868,318; July 5.
Chain, Stock tire. F. G. Hodell. 1,871,521; Aug. 16.
Chain, Tenter. A. A. Hoey. 1,850,456; Mar. 22.
Chain tightener. A. P. McLean. 1,884,057; Oct. 25.
Chain, Tire. F. T. Gause. 1,878,841; Sept. 20.
Chain, Tire. C. A. Lowe. 1,867,978; July 19.
Chain, Tire. B. S. Polakes. 1,871,938; Aug. 9.
Chain, Tire. J. R. Reyburn. 1,888,568; Nov. 22.
Chain, Tire. F. Spidla and F. J. Hrabal. 1,867,773; July 19.
Chain, Tire. F. W. Tully. 1,848,444; Mar. 8.
Chain, Tractor. C. E. Ball. 1,849,729; Mar. 15.
Chain, Tractor wheel traction. L. E. Cadwell and E. E. Isenhower. 1,841,400; Jan. 19.
Chain, Transmission. A. Renshaw. 1,842,117; Jan. 19.
Chain, Watch. J. E. Panning. Des. 86,449; Mar. 8.
Chain Wire. S. Samuelson. 1,874,605; Aug. 30.
Chain with oil bath, Two piece. B. C. Goble. 1,842,521; Jan. 26.
Chains and the like, Method and apparatus for galvanizing fancy. A. Winkler. 1,886,277; Nov. 1.
Chains, Cleaning conveyer. H. A. W. Wood. 1,883,223; Oct. 18.
Chains, Cold shut for steel. W. H. Nourse. 1,848,491; Mar. 8.
Chains for soldering and a composition of matter used in such preparation, Preparing. J. E. Pilling. 1,881,970; Oct. 11.
Chains, so called snake chains, Apparatus for the production of ornamental. J. Alvera and K. Schofer. 1,856,940; May 3.
Chair: *See*—
Adjustable arm chair.
Adjustable back chair.
Adjustable chair.
Adjustable reclining chair.
Arm chair.
Baby chair.
Barber chair.
Barber's chair.
Bed chair.
Camp chair.
Car chair.
Chiropody chair.
Collapsible chair.
Comfort chair.
Demountable chair.
Dental chair.
Extensible chair.
Folding arm chair.
Folding chair.
High chair.
Kitchen chair.
Lawn chair.
Lecture and classroom chair.
Nested chair.
Quick acting clamp theatre chair.
Rail joint chair.
Ratchet chair.
Reclining chair.
Road chair.
Rocking chair.
Shoe-shining chair.
Sick-room or commode chair.
Suspension chair.
Theater chair.
Chair. J. E. Bales. 1,876,549; Sept. 13.
Chair. C. Bielecky. 1,872,056; Aug. 16.
Chair. J. M. Brower. Des. 87,144; June 14.
Chair. E. Carlyle. Des. 86,106; Feb. 2.
Chair. D. R. Collier. 1,849,073; Mar. 15.

Chair. G. F. Corduan. 1,869,365 ; Aug. 2.
Chair. I. C. Decker. 1,846,795 ; Feb. 23.
Chair. I. C. Decker. 1,846,796–7 ; Feb. 23.
Chair. L. Delfert. 1,879,126 ; Sept. 27.
Chair. H. Easterday. Des. 86,879 ; May 3.
Chair. W. S. Ferris. 1,860,089 ; May 24.
Chair. J. A. Garrow. 1,848,338 ; Mar. 8.
Chair. L. D. Gibson. Des. 86,019 ; Jan. 19.
Chair. L. E. Goeneu and J. A. Garrow. 1,872,137 ; Aug. 16.
Chair. C. A. Hach and F. A. Sanborn. 1,844,535 ; June 28.
Chair. T. R. Hayes. 1,882,585 ; Oct. 11.
Chair. R. E. Kochs and A. R. Schwarzkopf. 1,887,647 ; Nov. 15.
Chair. M. Levine. Des. 87,264–7 ; June 28.
Chair. L. E. Macomber. Des. 86,038–9 ; Jan. 19.
Chair. W. R. McGowen. Des. 86,793 ; Apr. 19.
Chair. T. J. Miles. 1,875,478 ; Sept. 6.
Chair. E. A. Oehrl. 1,845,054 ; Jan. 19.
Chair. L. C. Toops. 1,848,443 ; Mar. 8
Chair. A. Vander Ley. Des. 86,290 ; Feb. 16.
Chair. J. Von Elsner. 1,861,321 ; May 31.
Chair. J. Weller. 1,876,479 ; Sept. 6.
Chair and cabinet, Combination bath. C. Kolodny. Des. 88,039 ; Nov. 1.
Chair and cabinet, Invalid. L. Perron. 1,887,323 ; Nov. 8.
Dec. 27.
Chair and couch. J. Kronheim. 1,874,050 ; Aug. 30.
Chair and couch. J. Kronheim. 1,874,052 ; Aug. 30.
Chair and couch. J. Kronheim. 1,890,090 ; Dec. 6.
Chair and reclining hinge therefor. A. C. Brown. 1,874,434 ; Aug. 30.
Chair and stepladder, Combination. G. Lundstrom. 1,887,492 ; Nov. 15.
Chair and the like, Folding. J. D. Matthews. 1,860,867 ; May 31.
Chair and writing desk, Combination. E. M. Runkles. 1,881,601 ; Dec. 20.
Chair attachment. C. F. Thompson. 1,882,264 ; Oct. 11.
Chair attachment, Dental. J. S. Miller. 1,841,545 ; Jan. 19.
Chair attachment, Dental. J. S. Miller. 1,871,221 ; Aug. 9.
Chair attachment, Theatre. C. H. Knight and P. Randall. 1,841,893 ; Jan. 19.
Chair back construction. N. Nuberg. 1,840,275 ; Jan. 5.
Chair construction. F. W. Kohler. 1,877,895 ; Sept. 20.
Chair construction. H. Siskin. 1,876,774 ; Sept. 13.
Chair for concrete reinforcing systems, High. W. T. Bauman. 1,841,700 ; Jan. 19.
Chair for railway rails, Cushioned. E. F. Holinger. 1,844,221 ; Feb. 9.
Chair for sewing machines, Folding. E. J. Balmos. 1,867,799 ; July 19.
Chair frame of similar article. A. McLaurin. Des. 88,663 ; Dec. 13.
Chair iron. D. R. Collier and H. W. Sheldrick. 1,872,894 ; Aug. 23.
Chair iron. H. W. Bolens. 1,866,498 ; July 5.
Chair iron. H. W. Sheldrick. 1,873,054 ; Aug. 23.
Chair or similar article, Children's. O. Lebeck. Des. 87,965 ; Oct. 18.
Chair or similar article of furniture. F. Mastrangelo and A. Mastrangelo. Des. 87,163 ; June 14.
Chair seat. S. Curcio. 1,887,242 ; Nov. 10.
Chair seat. G. T. Gourley and A. J. Ball. 1,865,313 ; June 28.
Chair seat. L. S. Valentine. 1,886,434 ; Nov. 8.
Chair seat, Adjustable barber. R. Nagel. 1,891,999 ; Dec. 27.
Chair, seat, and the like. F. H. Headley. 1,860,096 ; May 24.
Chair tray attachment, High. F. Beckerman. 1,887,987 ; Nov. 15.
Chairs, Attachment for barber. R. P. Ralston. 1,870,747 ; Aug. 9.
Chairs, Nest of. L. Doetsch. 1,886,172 ; Nov. 1.
Chaise longue. C. W. Fischer. 1,879,913 ; Sept. 27.
Chalice. W. H. Achurch. Des. 87,900 ; Oct. 11.
Chalk line device. R. M. Smith. 1,891,788 ; Dec. 20.
Chamber for airless injection oil engines, Precombustion. F. Bobin. 1,845,560 ; Feb. 16.
Chamber water lock. K. Kammüller. 1,841,818 ; Jan. 19.
Chamfer slotting pipe. H. Hayes. 1,868,900 ; July 26.
Chandelier. F. Gunnison. Des. 86,456 ; Mar. 8.
Chandelier. F. Gunnison. Des. 87,745 ; Sept. 13.
Chandelier. F. Gunnison. 1,876,667 ; Sept. 13.
Change carrier. N. Marrion. 1,861,020 ; May 31.
Change maker. T. J. Hoglund. 1,876,677 ; Sept. 13.
Change making machine. E. J. Brandt. 1,850,257 ; Mar. 22.
Change speed wheel. F. W. James. 1,882,627 ; Oct. 11.
Channel. W. S. Gaines, jr. 1,867,312 ; July 12.
Channel bodies, Making. C. M. Clarke. 1,839,200 ; Jan. 5.
Channel construction for bulk heads. W. G. Bartenfeld. 1,880,667 ; Oct. 4.
Channel, Fluted. J. S. Reid. 1,862,705 ; June 14.
Channel key plate. C. Lorber. 1,858,932 ; May 17.
Channel sections, Rolling. P. A. Schulz and H. K. Maxwell. 1,866,269 ; May 3.
Channel sections with wide flanges, Rolling of. J. Meiser. 1,850,403 ; Mar. 22.
Channel strip. R. Beynon. 1,880,698 ; Oct. 4.
Channel strip. R. Beynon. 1,880,700 ; Oct. 4.
Channel strip. R. Beynon and G. C. Reeves. 1,880,699 ; Oct. 4.
Channel strip and making same. J. I. Taylor. 1,890,308 ; Dec. 6.
Channel strip and making the same. R. Beynon. 1,880,697 ; Oct. 4.
Channel system, Multiplex extended. K. B. Duerr and H. E. Broyles. 1,880,906 ; Oct. 4.
Channels, Mechanism for drilling angular. R. E. Lee. 1,850,026 ; Mar. 15.
Channeling machine. J. I. Hays. 1,858,327 ; May 17.
Channeling machine. F. Ricks. 1,891,271 ; Dec. 20.
Channeling system, Selective. R. H. Ranger. 1,873,786 ; Aug. 23.
Chaplet. S. H. Gibson. 1,858,494 ; May 17.
Chaplet. C. G. Raible. 1,877,049 ; Sept. 13.
Chaplet making machine. L. C. Hobart. 1,885,349 ; Nov. 1.
Character or symbol and holder therefor, Interchangeable. P. Patinot. 1,869,314 ; July 26.
Charcoal block. G. F. Hoffman, jr. 1,866,931 ; July 12.
Charcoal, Regenerating granular active. A. Mackert. 1,843,616 ; Feb. 2.
Charge for high explosive shells. N. C. Boyd. 1,840,431 ; Jan. 12.
Charge-forming apparatus for internal combustion engines. W. Drabold. 1,876,879 ; Sept. 13.
Charge forming device. J. I. Anson. 1,854,172 ; Apr. 19.
Charge forming device. J. I. Anson. 1,882,717 ; Oct. 18.
Charge forming device. F. E. Aseltine. 1,842,816 ; Jan. 26.
Charge forming device. F. E. Aseltine. 1,844,738 ; Feb. 9.
Charge forming device. F. E. Aseltine. 1,846,381 ; Feb. 23.
Charge forming device. F. E. Aseltine. 1,853,011 ; Apr. 5.
Charge forming device. F. E. Aseltine. 1,854,390 ; Apr. 19.
Charge forming device. F. E. Aseltine. 1,855,215 ; Apr. 26.
Charge forming device. F. E. Aseltine. 1,857,776 ; May 10.
Charge forming device. F. E. Aseltine. 1,858,848 ; May 17.
Charge forming device. F. E. Aseltine. 1,882,723–4 ; Oct. 18.
Charge forming device. F. E. Aseltine. 1,884,962–3 ; Oct. 25.
Charge forming device. J. H. Hunt. 1,889,069 ; Nov. 29.
Charge forming device. C. H. Kindl and W. H. Teeter. 1,852,752 ; Apr. 5.
Charge forming device. C. H. Kindl. 1,876,961 ; Sept. 13.
Charge forming device. P. Koebly and G. I. Delaplane. 1,881,686 ; Oct. 11.
Charge forming device. C. V. Morton. 1,847,724 ; Mar. 1.
Charge forming device. W. H. Teeter. 1,844,723 ; Feb. 9.
Charge forming device. W. H. Teeter. 1,846,499 ; Feb. 23.
Charge forming device, W. H. Teeter. 1,847,732 ; Mar. 1.
Charge forming device. W. H. Teeter. 1,851,548 ; Mar. 29.
Charge forming device. W. H. Teeter. 1,853,786 ; Apr. 12.
Charge forming device. W. H. Teeter. 1,856,736 ; May 3.
Charge forming device. W. H. Teeter. 1,883,095–7 ; Oct. 18.
Charge forming device. W. H. Teeter and C. H. Kindl. 1,852,762 ; Apr. 5.
Charge forming device. C. E. Williams. 1,874,401 ; Aug. 30.
Charge forming device for internal combustion engines. S. Ishikawa. 1,867,457 ; July 12.
Charge forming mechanism. C. N. Koch. 1,890,651 ; Dec. 13.
Charge heating control for internal combustion engines, Automatic. F. H. Heitger. 1,881,562 ; Oct. 11.
Charge in an oven, Device for distributing the. A. De Saint Hubert. 1,887,292 ; Nov. 8.
Charge supplying and mixing method and apparatus for internal combustion engines. A. Moore. 1,869,821 ; Aug. 2.
Charging apparatus for metal-heating furnaces and the like. J. R. George. 1,891,531 ; Dec. 20.
Charging device for furnaces. C. E. Betcher. 1,887,975 ; Nov. 15.
Charging device for hydraulic braking systems. J. S. Reynolds. 1,853,147 ; Apr. 12.
Charging device of the hopper type. G. Ulrich. 1,866,781 ; July 12.
Charging means for blast furnaces. K. F. Juengling. 1,891,821 ; Dec. 20.
Charging mechanism for coke ovens. J. Van Ackeren. 1,846,071 ; Feb. 23.
Chart. C. G. Dewhirst. 1,858,140 ; May 10.
Chart. R. Maury. 1,853,829 ; Apr. 12.
Chart. C. J. Osborn. 1,840,208 ; Jan. 5.
Chart adjustment. A. Vanderveld. 1,848,680 ; Mar. 8.

Chart and indicator, Operation. C. E. Nygaard. 1,853,076; Apr. 12.
Chart and indicator, Operation. M. A. Pocock. 1,853,080; Apr. 12.
Chart and pencil, Handy. J. F. O'Keefe. 1,885,541; Nov. 1.
Chart, Gasoline price computing. A. V. Devlin. 1,842,662; Jan. 26.
Chart, Indicating. S. N. Hurt. 1,851,516; Mar. 29.
Chart, Radio football. W. J. Hoy. Des. 85,982; Jun. 12.
Chart reading device, Illuminated. H. House. 1,863,569; June 21.
Chart reading device, Illuminated. H. House. 1,872,737; Aug. 23.
Chart records, Making. P. MacGahan. 1,843,572; Feb. 2.
Chart, Scale. W. Heidinger. 1,878,697; Sept. 20.
Chart, Tracing. C. Lorber. 1,887,160–1, Nov. 8.
Chart, Tracing. C. Lorber. 1,887,163; Nov. 8.
Chart with movable lines. S. K. Smith. 1,850,899; Mar. 22.
Chase, Adjustable printer's. R. J. Snedden. 1,885,958; Nov. 1.
Chase for printing presses. E. O., R. O., F. R., and D. D. Vandercook. 1,866,379; July 5.
Chase lockup, Three-way. J. E. Lee, F. Barney and P. J. Beatty. 1,867,363; July 12.
Chaser. E. T. Bysshe and R. R. Finn. 1,866,542; July 12.
Chaser tap, Movable. A. F. Breitenstein. 1,888,816; Nov. 22.
Chassis, Aircraft tail. K. Henrichsen. 1,855,020; Apr. 19.
Chassis, Automotive vehicle. G. C. Goode, F. A. Selje, and C. W. Miller. 1,872,442; Aug. 16.
Chassis construction. A. H. Leipert. 1,846,603; Feb. 23.
Chassis construction, Bus. C. W. Miller and G. C. Goode. 1,872,485; Aug. 16.
Chassis, for aircraft, Landing. M. Watter. 1,870,826; Aug. 9.
Chassis for electrical apparatus. M. Flaherty. 1,883,893; Oct. 25.
Chassis frame construction. A. B. Werdehoff. 1,867,341; July 12.
Chassis, Hanging. G. Wolf. 1,885,882; Nov. 1.
Chassis lubrication. J. Bijur. 1,845,827; Feb. 16.
Chassis lubrication. J. Bijur. 1,862,488; June 7.
Chassis, Motor vehicle. C. S. Nelson. 1,886,573; Nov. 8.
Chassis of a motor vehicle. J. F. McMurtrie. 1,887,598; Nov. 15.
Chassis, Six wheel motor. P. L. Prins. 1,871,735; Aug. 16.
Check control mechanism. A. A. Gildemeister. 1,874,497; Aug. 30.
Check controlled apparatus. G. E. Riegel. 1,845,333; Feb. 16.
Check controlled apparatus. G. E. Riegel. 1,846,611; Feb. 23.
Check-controlled apparatus for vending machines. O. D. Jennings and C. R. Gilmore. 1,882,634; Oct. 11.
Check device, Compression. J. F. Broce. 1,874,694; Aug. 30.
Check distender and tongue depressor. J. D. Wise. 1,844,733; Feb. 9.
Check entrance for check controlled apparatus. A. A. Knee. 1,882,504; Oct. 11.
Check for starter drives, Rebound. D. P. Kearney. 1,883,377; Oct. 18.
Check head. O. Coil. 1,881,261; Oct. 4.
Check protector. J. W. Carlson. 1,844,203; Feb. 9.
Check protector. E. L. Carmichael. 1,861,208; May 31.
Check protector. D. J. Keaker and F. H. Longfellow. 1,855,199; Apr. 26.
Check protector. W. H. Lawhorn. 1,842,907; Jan. 26.
Check punching and issuing machine. R. H. Helsel. 1,869,849; Aug. 2.
Check punching and issuing machine. R. H. Helsel. 1,876,672; Sept. 13.
Check selecting apparatus. H. E. Wurzbach and L. H. Wadsworth. 1,851,557; Mar. 29.
Check writer. H. R. Hedman. Des. 87,574; Aug. 16.
Check writer. W. H. Luland. 1,878,789; Sept. 20.
Check writing machine. E. E. Philley. 1,843,732; Feb. 2.
Check-writing machine. W. H. Luland. 1,868,015; July 19.
Checkerbrick and checkerwork construction. A. J. Boynton. 1,880,011; Sept. 27.
Checker-brick and checkerwork construction. J. H. France. 1,883,674; Oct. 18.
Checker construction. H. A. Brassert. 1,879,056; Sept. 27.
Checkerwork. A. A. Claassen. 1,848,242; Mar. 8.
Checkerwork. W. H. Drain, jr. 1,856,473; May 3.
Checkerwork supporting and holding means for blast stoves. J. J. Seaver. 1,860,368; May 31.
Checking apparatus. P. Sotheim. 1,862,808; June 14.
Checkrap or the like and picker stick for under-pick or automatic looms. G. B. Handley and E. G. Handley. 1,863,271; June 14.
Cheeking machine. A. C. Brill. 1,842,534; Jan. 26.
Cheese and processing same. R. Pasternack and R. W. Burnham. 1,890,948; Dec. 13.
Cheese, Apparatus for branding the grade on. J. F. Bargbausen. 1,856,530; May 3.
Cheese, Apparatus for cutting wheels of. R. H. Mayer. 1,864,921; June 28.
Cheese, Apparatus for the preservation of. L. A. Rogers. 1,842,365; Jan. 19.
Cheese, Apparatus for treating. A. W. Bell. 1,862,563; June 14.
Cheese cutter. H. T. Collins and J. R. Stewart. 1,855,906; Apr. 26.
Cheese cutter. M. M. McDonald. 1,848,186; Mar. 8.
Cheese grating machine. G. Maestro. 1,890,091; Dec. 6.
Cheese, Making and freshening. P. Caccia. 1,847,210; Mar. 1.
Cheese manufacture. F. M. G. Luecke. 1,868,422; July 19.
Cheese, Manufacture of. A. F. Stevenson. 1,868,547; July 26.
Cheese, Manufacture of soft. F. M. Frederiksen. 1,879,162; Sept. 27.
Cheese press. J. Legand. 1,840,936; Jan. 12.
Cheese treating method and apparatus. H. M. Scott. 1,861,721; June 7.
Cheeses with liquids, Apparatus for treating. H. Nolet. 1,870,922; Aug. 9
Chemical apparatus and lining the same. R. L. Duff. 1,883,630; Oct. 18.
Chemical carbon remover. W. H. Johnson. 1,850,881; Mar. 22.
Chemical combination of boric acid and potassium acid tartrate and preparing same. A. E. Craver. 1,859,653; May 24.
Chemical compound for textile finishing processes and the like. H. Bertsch. 1,848,819; Mar. 8.
Chemical fiber liberation. G. A. Richter. 1,867,593; July 19.
Chemical manufacture. L. D. Taylor. 1,861,514; June 7.
Chemical manufacture. D. Townend and N. C. White. 1,874,835; Aug. 30.
Chemical modification of cellulose fiber. G. A. Richter. 1,870,650; Aug. 9.
Chemical picture-telegraph equipment. P. Storch. 1,883,074; Oct. 18.
Chemical printing. E. Gaskins. 1,871,683; Aug. 16.
Chemical products. B. W. Nordlander. 1,860,320; May 24.
Chemical pulp, Production of. L. Bradley and E. P. McKeefe. 1,877,219; Sept. 13.
Chemical pulping process. G. A. Richter. 1,848,681; Mar. 8.
Chemical reactions, Apparatus for carrying out. C. F. Beran. 1,854,731–2; Apr. 19.
Chemical reactions, Apparatus for conducting. T. Griswold, jr. 1,848,348; Mar. 8.
Chemical reactions by the influence of radiant energy, Apparatus for producing. L. J. Buttolph. 1,844,421; Feb. 9.
Chemical reactions by the influence of radiant energy, Producing. L. J. Buttolph. 1,844,420; Feb. 9.
Chemical reactions, Carrying out. H. T. Bucherer. 1,846,012; Jan. 26.
Chemical reactions in improved reaction media, Carrying out organic. C. Dreyfus. 1,872,700; Aug. 23.
Chemical reactions in which reaction gases are circulated Carrying out. J. Hughes. 1,875,926; Sept. 6.
Chemical reactions, Method and apparatus for carrying out. J. R. Schonberg. 1,877,060; Sept. 13.
Chemical reactions, Performing. M. Melamid. 1,847,778; Mar. 1.
Chemical substances to prevent their deterioration or interaction with other bodies, Treatment of. E. W. Geere. 1,863,157; June 14.
Chemicals, Dense opaque smoke and irritating fume and gas producing. R. C. Goss. 1,886,394; Nov. 8.
Chemicals from liquors, Apparatus for extracting. J. M. Coahran. 1,845,128; Feb. 16.
Chemicals into rubber or cellulosic materials, Introducing. A. J. Hallwood, W. J. S. Naunton and A. Shepherdson. 1,867,970; July 19.
Chemicals, Method of and apparatus for continuously recovering and concentrating. J. M. Coahran. 1,865,887; July 5.
Chemistry table, Laboratory. Gray, C. W., M. J. Burdick, M. S. Moore and C. W. Sandifur. 1,852,299; Apr. 5.
Chenille cutting apparatus. D. H. Stroud, jr. 1,844,612; Feb. 9.
Chenille fabric. R. B. Kalbach. 1,879,691; Sept. 27.
Chenille, Manufacture of. R. L. Sandeman. 1,842,692; Jan. 26.
Cherry. L. Burbank. Pl. Pt. 41; Nov. 8.
Cherry. L. R. Taft. Pl. Pt. 29; Oct. 4.
Cherry. L. R. Taft. Pl. Pt. 30; Oct. 4.
Cherry pitting machine. C. T. Howson. 1,843,283; Feb. 2.
Cherry stoner. G. S. Ebersole. 1,869,095; July 26.
Chest: *See*—
  Cedar chest. Sewing chest.
  Marine sea chest. Shipping and storage chest.
  Milk chest.
Chest of drawers, Child's. M. Hallward. Des. 88,541; Dec. 6.
Chest or similar article, Cedar. J. Weber. Des. 87,816–20; Sept. 20.
Chest with revolving door. C. F. Sloberg. 1,853,241; Apr. 12.
Chicken house, Underground. A. E. Kibble. 1,851,188; Mar. 29.

Chicle and similar gum from filter press residue, Recovery of. M. A. Gordon. 1,877,299 ; Sept. 13.
Child's chair. M. Hallward. Des. 88,540 ; Dec. 6.
Child's toilet seat. H. E. McCandless. 1,867,674 ; July 19.
Chill roll. A. W. De Vout and R. W. Regensburger. 1,866,509 ; July 5.
Chime. J. W. Klein. Des. 86,032 ; Jan. 19.
Chime for metallic containers. Unitary. L. B. Wackman. 1,889,995 ; Nov. 29.
Chimes, Tubular. M. Arnold Strothotte. 1,886,603 ; Nov. 8.
Chimney cleaning apparatus. A. Premro. 1,859,166 ; May 17.
Chimney construction. E. O. Howle. 1,840,628 ; Jan. 12.
Chimney drum for heaters. S. Sadwick, M. Resek, and C. J. Kessler. 1,840,698 ; Jan. 12.
Chimney hood. P. Rhinow. 1,888,290 ; Nov. 22.
Chimney or flue cap. E. Davenport. 1,846,475 ; Feb. 23.
Chimney pipe structure. P. H. Seward. 1,849,808 ; Mar. 15.
Chimney vent. I. Woolf. 1,891,860 ; Dec. 20.
Chimneys from several sections, Apparatus for building iron-plate. E. Haber. 1,856,384 ; May 3.
Chimneys, Gauging round. E. Larsen. 1,880,261 ; Oct. 4.
Chin rest. F. C. Goodwin. 1,848,217 ; Mar. 8.
Chin rest and pipe support, Combined. W. C. Lambert. 1,881,701 ; Oct. 11.
Chin rest, Shamion. H. R. Jackson. 1,882,624 ; Oct. 11.
China closet, Corner. G. A. Simons and G. Freeberg. Des. 86,063 ; Jan. 19.
China closet, Corner. G. A. Simons and G. Freeberg. Des. 86,295 ; Feb. 16.
Chinaware and the like, Ornamenting. E. Hardesty. 1,865,230 ; July 19.
Chintz, Applique gingham effect. M. W. Greenstein. Des. 87,463 ; Aug. 2.
Chintz, Printed. M. W. Greenstein. Des. 87,260 ; June 28.
Chip breaker for molding machines and the like. T. C. Mann. 1,837,932 ; Nov. 8.
Chip control device. A. E. Robinson and C. E. Black. 1,854,672 ; Apr. 19.
Chipping machine. G. W. Lentz. 1,857,464 ; May 10.
Chiropody chair. C. R. Emmert. 1,868,658 ; July 26.
Chisel, Rail joint. C. H. Zentmyer. 1,868,652 ; July 26.
Chisel, Two-in-one. S. Penkoski. 1,877,686 ; Sept. 13.
Chlorbutyrine, Manufacture of. M. A. Youtz. 1,875,309 ; Aug. 30.
Chloride of lime through azeotropic distillation, Manufacturing. A. Carughi and C. Paoloni. 1,874,695 ; Aug. 30.
Chloride of potassium and carbonates of sodium and potassium, Manufacture of. R. D. Pike, R. Cummings, and R. Wyld. 1,843,393 ; Mar. 22.
Chloride, Production of hydrated chromic. J. Brode and C. Wurster. 1,842,535 ; Jan. 26.
Chloride solutions, Treatment of. S. I. Levy. 1,851,852 ; Mar. 29.
Chlorides and their preparation, Anhydrous metallic. O. V. Martin. 1,874,733 ; Sept. 13.
Chlorides, Apparatus for manufacturing volatile. R. J. McInerny, E. F. Williams, and H. L. Glaze. 1,888,996 ; Nov. 29.
Chlorides, Manufacture of butyl. E. Ricard. 1,852,063 ; Apr. 5.
Chlorides of magnesium and calcium in divided form, Producing solid mixed. S. B. Heath. 1,851,308 ; Mar. 29.
Chlorids of phosphorus, Preparation of. E. Urbain. 1,859,543 ; May 24.
Chlorinator. L. C. Somers. 1,865,976 ; July 5.
Chlorine. Electrolytic manufacture of. F. S. Low 1,847,435 ; Mar. 1.
Chlorine from ores, Elimination of. J. E. Drapeau, jr. 1,852,044 ; Apr. 5.
Chlorine meter. R. N. Graham. 1,864,815 ; June 28.
Chlorine preparation. C. Mindeleff. 1,878,164 ; Sept. 20.
Chlorine preparation. C. Mindeleff. 1,878,510 ; Sept. 20.
Chloro-antiraquinone-acridones and making same. W. Bruck. 1,885,526 ; Oct. 18.
Chloroanthraquinoneacridone, Production of. W. Bruck 1 848,072 ; Mar. 1.
Chlorodiphenyls, Separating. E. C. Britton and W. C. Spessert. 1,890,427 ; Dec. 6.
Chloro-phosphate of lead, Preparation of a. P. Jolibois and G. Chaudron. 1,885,447 ; Nov. 1.
Chock block. E. S. Evans. 1,879,917 ; Sept. 27.
Chock block. L. Snyder. 1,849,964 ; Mar. 15.
Chock block. C. L. Snyder. 1,868,260 ; July 19.
Chock block. W. E. Thatcher. 1,847,679 ; Mar. 1.
Chock for ships' boats. J. S. Barclay. 1,868,043 ; July 19.
Chocking device for automobiles and aeroplanes. W. A. Lombardi. 1,885,120 ; Nov. 1.
Chocolate for coating confectionery and the like, Reconditioning. G. R. Baker. J. W. Epps, and G. W. Perks. 1,843,859 ; Feb. 2.
Chocolate making process, Continuous. D. G. Steely. 1,862,166 ; June 7.
Chocolate, Manufacture of. L. H. Clark. 1,857,430 ; May 10.
Chocolate, Molding. H. L. Borg. 1,856,153 ; May 3.
Choke, Automatic. D. Collins. 1,885,331 ; Nov. 1.
Choker hook. J. A. Buckley. 1,864,974 ; June 28.
Chopper : *See*—
Corn and cotton chopper. Meat chopper.
Food chopper. Stalk or stubble chopper.
Chopper and all purpose hoe, Plant. J. E. Horn. 1,853,729 ; Apr. 12.
Chopper and spreader, Hay. R. R. Gossard. 1,844,279 ; Feb. 9.
Choppers, Attachment for food. A. Rubin. 1,854,227 ; Apr. 19.
Choppers, Attachment for food. H. C. Sander. 1,876,471 ; Sept. 6.
Christmas decoration. R. J. Wright. 1,875,971 ; Sept. 6.
Christmas tree stand. J. J. Danner. 1,876,276 ; Sept. 6.
Chrome retractory and its manufacture. R. P. Heuer. 1,865,968 ; Feb. 16.
Chromium and the like, Electrodepositing. W. A. Tyrrell. 1,850,426 ; Mar. 22.
Chromium article, Electroplated. D. Gray and B. K. Northrop. 1,892,051 ; Dec. 27.
Chromium coated articles and preparing same. L. Weisberg and F. F. Greenwald. 1,880,567 ; Oct. 4.
Chromium compounds of azo-dyestuffs, Preparing. R. Stüsser. 1,843,376 ; Feb. 2.
Chromium compounds of ortho-hydroxy-azo-dyestuffs and making same. F. Straub and H. Schneider. 1,879,907 ; Sept. 27.
Chromium, Depositing on. B. Bart. 1,871,770 ; Aug. 16.
Chromium, Electrodepositing. C. G. Fink and H. D. McLeese. 1,844,751 ; Feb. 9.
Chromium, Electrolytic deposition of metallic. D. T. Ewing. 1,864,013 ; June 21.
Chromium oxide, Manufacture of. B. Wurzschmitt. 1,866,608 ; July 12.
Chromium plating. C. H. Humphries. 1,857,547 ; May 10.
Chromium plating. E. J. Waltz. 1,890,633 ; Dec. 13.
Chromium plating apparatus. A. J. Zimniewicz and A. F. Cox. 1,884,493 ; Oct. 25.
Chromium plating crank shafts. W. G. Hildorf and H. G. Nicholson. 1,861,272 ; May 31.
Chromium plating process. D. J. Block. 1,852,797 ; Apr. 5.
Chromium plating process. D. T. Ewing. 1,864,014 ; June 21.
Chromium plating process. W. Noble and C. J. Welcome. 1,881,885 ; Oct. 11.
Chromium plating solutions, Revitalizing. T. P. Thomas. 1,851,603 ; Mar. 29.
Chromium stripping bath. J. F. McCullough. 1,863,868 ; June 21.
Chromium trioxide, Manufacture of. P. R. Hines. 1,872,588 ; Aug. 16.
Chromium trioxide, Preparation of. P. R. Hines. 1,873,889 ; Aug. 23.
Chuck. P. U. J. Amyot. 1,885,790 ; Nov. 1.
Chuck. L. O. Beard. 1,863,096 ; June 14.
Chuck. F. H. Bogart. 1,845,220 ; Feb. 16.
Chuck. R. S. Brown. 1,879,656 ; Sept. 27.
Chuck. A. A. Bush. 1,863,322 ; July 26.
Chuck. A. E. Church. 1,866,383 ; July 5.
Chuck. J. R. Cross. 1,840,767 ; Jan. 12.
Chuck. A. Eidam. 1,864,191 ; June 21.
Chuck. E. Finsen. 1,847,604 ; Mar. 1.
Chuck. P. Forkardt. 1,864,423 ; June 21.
Chuck. G. E. Garno. 1,862,216 ; June 7.
Chuck. A. E. Hamilton. 1,885,095 ; Oct. 25.
Chuck. R. L. Hibbard. 1,844,577 ; Feb. 9.
Chuck. J. W. Hughes. 1,855,450 ; Apr. 26.
Chuck. A. Johnson and R. H. Johnson. 1,867,266 ; July 12.
Chuck. C. A. Johnson. 1,875,737 ; Sept. 6.
Chuck. L. W. Johnson. 1,862,856 ; June 14.
Chuck. D. Kelleher and W. J. Bartlett. 1,881,658 ; Oct. 11.
Chuck. J. J. Kolar. 1,859,042 ; May 17.
Chuck. A. J. Lewis. 1,839,400 ; Jan. 5.
Chuck. R. M. Lippard. 1,849,546 ; Mar. 15.
Chuck. T. Norton and M. E. Lange. 1,847,359 ; Mar. 1.
Chuck. D. C. Page and G. D. Scott. 1,881,905 ; Oct. 11.
Chuck. R. F. Russell. 1,851,525 ; Mar. 29.
Chuck. A. L. Saltzman. 1,878,329 ; Sept. 20.
Chuck. W. D. Schmidt. 1,882,975 ; Oct. 18.
Chuck. H. E. Sloan, and G. A. Highberg. 1,844,445 ; Feb. 9
Chuck. J. W. Smith. 1,866,374 ; July 5.
Chuck. J. A. Thatcher. 1,841,460 ; Jan. 19.
Chuck. W. L. Trumphour and M. E. Lange. 1,875,959 ; Sept. 6.
Chuck. C. E. Van Norman. 1,858,693 ; May 17.
Chuck. Air. J. C. Vaughan. 1,874,915 ; Aug. 30.
Chuck closing and opening mechanism. E. P. Burrell. 1,874,888 ; Aug. 30.
Chuck, Cone. J. M. Redinger. 1,886,224 ; Nov. 1.
Chuck, Cushion diamond drill. O. B. Anderson. 1,873,173 ; Aug. 23.
Chuck device. G. W. Emrick. 1,862,370 ; June 7.
Chuck, Earth boring. C. E. Reed. 1,889,317 ; Nov. 29.
Chuck for bracing of tools, work-pieces or the like. P. Sederholm. 1,841,919 ; Jan. 19.
Chuck for embossing and vending apparatus. G. W. Heene. 1,854,029 ; Apr. 12.
Chuck for holding a mandrel stem. K. Gruber. 1,865,314 ; June 28.
Chuck for web rolls, Centering. I. I. Stone. 1,861,646 ; June 7.

Chuck loading mechanism. C. C. Stevens. 1,862,042; June 7.
Chuck mechanism. H. C. Johansen. 1,884,717; Oct. 25.
Chuck mechanism for web rolls. H. P. Clauberg. 1,858,391; May 17.
Chuck mill. J. M. Redinger. 1,889,571; Nov. 29.
Chuck operating device. J. A. Olson. 1,871,463; Aug. 16.
Chuck operating means. A. E. Church. 1,848,317; Mar. 8.
Chuck or holding device. A. E. Church. 1,874,082; Aug. 30.
Chuck, Outward gripping. A. J. Lewis. 1,829,401; Jan. 5.
Chuck, Pneumatic. H. A. Tomkins. 1,869,445; Aug. 2.
Chuck, Quick change. J. H. Smith. 1,856,973; May 3.
Chuck, Swiveled tire inflating. G. E. Farley. 1,889,980; Dec. 6.
Chuck, Work holding. C. I. Packer. 1,846,898; Feb. 23.
Chucking device. W. F. Groene. 1,878,130; Sept. 20.
Chucking mechanism. R. S. Brown. 1,887,621; Nov. 15.
Churn. V. Vandrivillg. 1,885,626; Nov. 1.
Churn attachment for washing machines. J. Mikulasek. 1,849,631; Mar. 15.
Chutes. P. M. Burgess. 1,879,069; Sept. 27.
Chute. G. K. Turner. 1,891,852; Dec. 20.
Chute attachment for coal cleaning tables, Antigravity middling. A. G. Oppy. 1,888,923; Nov. 22.
Chute, Bag loading. F. Pardee, jr. 1,874,343; Aug. 30.
Chute clamp. R. H. Spelman. 1,846,155; Feb. 23.
Chute, Coin delivery. E. J. Brandt. 1,885,582; Nov. 1.
Chute, Combined lowering and withdrawal. F. Pardee. 1,861,976; June 7.
Chute control mechanism, Car dumper. R. W. Kaltenbach. 1,876,686; Sept. 13.
Chute, Discharge. F. Pardee. 1,839,494; Jan. 5.
Chute, Discharge. A. Torok and E. L. Bergstresser. 1,888,518; Nov. 22.
Chute for storage bins, Discharge. W. B. Mercer. 1,867,462; July 12.
Chute for vehicles, Animal. F. P. Rust. 1,854,673; Apr. 19.
Chute, for waste building material. S. Gallagher. 1,877,234; Sept. 13.
Chute, Loading. F. Pardee, jr. 1,863,028; June 14.
Chute, Nonsegregating conveyer. A. J. Stock, jr. 1,850,628; Aug. 2.
Chute, Parcel receiving. H. Miller. 1,874,112; Aug. 30.
Chute structure. F. A. Davidson. 1,886,793; Nov. 8.
Cigar. J. Wunkerling. 1,892,402; Dec. 27.
Cigar accessory. B. Frankel. 1,892,429; Dec. 27.
Cigar and cigarette ash protector and fire preventer. A. Haas. 1,885,011; Nov. 1.
Cigar and cigarette extinguisher. A. A. Miller. 1,892,314; Dec. 27.
Cigar box, Cardboard. M. Lazow. 1,890,817; Dec. 13.
Cigar bunches, Apparatus for shaping. F. H. B. Stelzer. 1,839,422; Jan. 5.
Cigar cutter. J. W. Bushaw. 1,850,314; Mar. 22.
Cigar display rack. A. W. Koch. 1,841,267; Jan. 12.
Cigar, Enveloping. R. J. Beutel. 1,875,979; Sept. 6.
Cigar enveloping. F. R. Schmit. 1,892,254; Dec. 27.
Cigar fillers by arranging the tobacco from which they are to be made between profiled dies, Producing. F. H. B. Stelzer. 1,869,396; Aug. 2.
Cigar grading machine. J. L. Morgan. 1,874,113; Aug. 30.
Cigar handling device, Automatic. N. Christensen. 1,885,897; Nov. 1.
Cigar handling machinery. E. U. Cave. 1,865,831; July 5.
Cigar locator and trimmer. H. E. Carlson. 1,875,988; Sept. 6.
Cigar machine. A. Bauschlicher. 1,880,009; Sept. 27.
Cigar machine feeding channel. S. Clausen. 1,875,991; Sept. 6.
Cigar machines, Wrapper patching device. J. F. Halstead. 1,846,884; Feb. 23.
Cigar making machine. J. Hasrer. 1,842,668; Jan. 26.
Cigar mold. R. Cores. 1,880,825; Oct. 4.
Cigar pressure. J. A. Neumair. 1,892,285; Dec. 27.
Cigar tip perforator. R. T. Cameron. 1,882,273; Oct. 11.
Cigar wrapper, Christmas greeting. W. E. Johnson. 1,871,888; Aug. 16.
Cigar wrapper cutting mechanism. S. Clausen. 1,888,788; Nov. 22.
Cigar wrapping and banding machine. M. Miller. 1,856,421; May 3.
Cigar wrapping machine. W. H. Schussler. 1,876,027; Sept. 6.
Cigarette. E. W. Desper. 1,879,128; Sept. 27.
Cigarette. R. O. Harsh. 1,852,519; Apr. 5.
Cigarette and cigar box. A. Coulapides. 1,863,190; June 14.
Cigarette and cigarette package. S. C. Miller. 1,865,943; July 5.
Cigarette and match case, Combined. G. Burroughs. 1,855,382; Apr. 26.
Cigarette and similar article. W. G. Charley. 1,858,951; May 17.
Cigarette and vanity case, Combination of. S. H. La Fontaine. Des. 88,422; Nov. 29.
Cigarette ender. M. Gold, A. F. Most, and J. Fogel. 1,851,828; Mar. 29.
Cigarette case. J. E. Allen. 1,842,891; Jan. 26.
Cigarette case. C. E. Anderson. 1,882,708; Oct. 18.
Cigarette case. G. W. Blackburn. 1,863,082; June 14.
Cigarette case. W. C. Hiering. 1,859,772; May 24.
Cigarette case. J. Holtzman. 1,876,680; Sept. 13.
Cigarette case. C. Picker. 1,851,057; Mar. 29.
Cigarette case and lighter, Combination. O. C. Ritz Wolter. 1,845,340; Feb. 16.
Cigarette case, Pocket. D. W. Davis. 1,853,760; Apr. 12.
Cigarette cases, Attachment for holding. W. C. Hiering. 1,866,107; July 5.
Cigarette cutoff, Epicyclic. J. A. Stein and W. S. MacDonald. 1,851,334; Mar. 29.
Cigarette cutter, High speed. W. G. Forbes. 1,889,403-4; Nov. 29.
Cigarette extinguisher. G. D. Barnes. 1,863,000; June 14.
Cigarette extinguisher. F. A. Ford. 1,846,252; Feb. 23.
Cigarette extinguisher. R. H. Jefferies. 1,874,045; Aug. 30.
Cigarette extinguisher. E. K. Morlok. 1,855,983; Apr. 26.
Cigarette extinguisher. R. A. Schlegel. 1,846,572; Feb 23.
Cigarette feed, Double. W. B. Bronander. 1,847,060; Feb. 23.
Cigarette feed tobacco compressor. E. D. Smith. 1,892,257; Dec. 27.
Cigarette jacket. J. A. Holsman. 1,862,679; June 14.
Cigarette machine. D. W. Molins. 1,867,463; July 12.
Cigarette machine, Tobacco feed. W. B. Bronander. 1,892,263; Dec. 27.
Cigarette machine tobacco feeds, Dust-distributor for. J. W. Leary. 1,876,012; Sept. 6.
Cigarette machines, Adjusting device for. R. E. Rundell. 1,851,264; Mar. 29.
Cigarette machines, Cork-tipper for. R. E. Rundell. 1,864,764; June 28.
Cigarette machines, Tobacco feeding apparatus for. J. Bolyenos. 1,856,688; May 3.
Cigarette making device. T. A. Killman. 1,891,094; Dec. 13.
Cigarette making device. S. Van Nuys. 1,839,717; Jan. 5.
Cigarette making machine. W. F. Gordon. 1,892,143; Dec. 27.
Cigarette making machine. W. E. Molins. 1,873,779; Aug. 23.
Cigarette making machine. F. F. Ruau. 1,850,050; Mar. 15.
Cigarette making machinery. W. E. Molins. 1,860,197; May 24.
Cigarette mentholator. E. L. Elliott. 1,859,731; May 24.
Cigarette package. M. Patterson. 1,846,900; Feb. 23.
Cigarette package. C. A. Penn. Re18,529; July 19.
Cigarette package. H. H. Straus. 1,864,871-3; June 28.
Cigarette package. B. Ware. 1,889,059; Nov. 29.
Cigarette package and opening device therefor. R. L. Boutin. 1,884,545; Oct. 25.
Cigarette package, Reload. W. S. Milam. 1,850,410; Mar. 22.
Cigarette packing machine. J. Neff. 1,854,950; Apr. 19.
Cigarette packing machine. A. Ritscher. 1,886,947; Nov. 1.
Cigarette packing machinery. W. E. Molins. 1,890,653; Dec. 13.
Cigarette rest and ash tray, Combined. J. E. Neahr. Des. 87,790; Sept. 20.
Cigarette rod cutting device for cigarette machines. M. P. E. Hohn. 1,868,012; July 19.
Cigarette rod forming mechanism. E. D. Smith. 1,879,029; Sept. 6.
Cigarette rod machine. A. Werner. 1,885,969; Nov. 1.
Cigarette roller. F. Eberhardt. 1,856,949; May 3.
Cigarette rolling device. J. H. Brown. 1,873,816; Aug. 23.
Cigarette rolling device, Sanitary. E. A. K. Stanger. 1,885,304; Nov. 1.
Cigarette server. W. J. Polk. 1,859,164; May 17.
Cigarette snubber. L. J. Endsley. 1,870,327; Aug. 9.
Cigarette wrapper and a cigarette made with said wrapper. D. W. B. Kurtz, jr. 1,876,976; Sept. 13.
Cigarettes, Arranging oval. B. A. E. Johnson and G. Örström. 1,888,386; Nov. 22.
Cigarettes, Arranging oval. R. W. Voigt. 1,890,707; Dec. 13.
Cigarettes, Device for making and carrying. W. N. Hunter. 1,879,266; Sept. 27.
Cigarettes from a container, Apparatus for distributing. J. Neff. 1,888,831; Nov. 22.
Cigarettes, Method of and machine for packaging. F. E. Scott and L. R. Bryant. 1,870,533; Aug. 9.
Cigarettes or other goods in packets, Apparatus for inserting. J. Neff. 1,856,286; May 3.
Cigarettes, Packaging. G. W. Gwinn and C. Arelt. 1,885,910; Nov. 1.
Cigarettes, Packaging. A. V. Strelitz. 1,870,299; Aug. 9.
Cigarettes to packing machines, Feeding of. M. P. E. Hohn. 1,846,717; Jan. 12.
Cigarettes with tips differing from the normal length, Apparatus for mechanically separating out. M. P. E. Honn and R. W. Voigt. 1,846,808; Feb. 23.
Cinchona alkaloid preparation. W. Schulemann and F. Schönhöfer. 1,854,662; Apr. 19.
Cinchona bark inhibitor, Sulphurized. G. Lutz. 1,867,414; July 12.

Cinder notch stopper. E. E. Brosius. 1,889,434; Nov. 29.
Cinder spreader. W. C. Ruth. 1,880,155; Sept. 27.
Cinematograph. V. Continsouza and M. B. Combes. 1,878,381; Sept. 20.
Cinematograph projector. C. Guggenheim. 1,861,496; June 7.
Cinematographic apparatus. A. Loehr, jr., and E. S. Schwab. 1,888,276; Nov. 22.
Cinematographic apparatus. H. G. Ponting and G. W. Ford. 1,868,222; July 19.
Cinematographic movement. R. G. Fear. 1,840,353; Jan. 12.
Cinematographic projection and phonographic audition, Apparatus for synchronous. J. D. Boularan, J. Deval, and P. A. Digeon. 1,864,519; June 28.
Cinematographic projection apparatus. R. Ruhnau. 1,875,193; Aug. 30.
Cinematographic projection system with continuous travel of the film. E. S. C. Deville. 1,842,255; Jan. 19.
Cinematographic view taking apparatus. A. L. Debrie. 1,879,844; Sept. 27.
Cinematography, Method and apparatus for stereoscopic. K. Fox. 1,840,861; Jan. 12.
Ciphering and deciphering apparatus. P. Hitt. 1,848,291; Mar. 8.
Ciphering apparatus. B. C. W. Hagelin. 1,846,105; Feb. 23.
Circle ruling device, Great. R. Pfüger. 1,849,202; Mar. 15.
Circle wavidg comb. E. Jennison. 1,888,923; Nov. 22.
Circuit, Alarm. R. B. Shanck. 1,861,553; June 7.
Circuit, Amplifier. T. Ebell. 1,861,571; June 7.
Circuit and control, Heater. F. G. von Hoorn. 1,867,428; July 12.
Circuit and polarity tester. W. A. Froeckman. 1,881,457; Oct. 11.
Circuit, Apparatus for closing and interrupting an electric. J. G. H. Tomann. 1,851,704; Mar. 29.
Circuit, Apparatus for energizing an audion. G. B. Crouse. 1,858,323; May 17.
Circuit arrangement, Electron discharge device. E. R. Hentschel. 1,877,128–9; Sept. 13.
Circuit arrangement for automatic telephone systems. F. Markman. 1,877,678; Sept. 13.
Circuit arrangement for generating electric oscillations. G. Holst, B. van der Pol, and K. Posthumus. 1,839,481; Jan. 5.
Circuit arrangement for relay selectors in telephone systems. M. Langer. 1,844,256; Feb. 9.
Circuit arrangement for sending of current impulses over telephone lines. R. Teichl. 1,864,381; June 21.
Circuit arrangement for smoothing rectified alternating voltages. G. Holst and E. Oosterhuis. 1,888,628; Nov. 22.
Circuit arrangement for stepping switches. W. Kusche. 1,858,832; May 17.
Circuit arrangement for telegraphic apparatus. L. Mazza. and R. Regnoni. 1,891,564; Dec. 20.
Circuit arrangement for thermionic amplifying tubes coupled by transformers. P. R. Dykstethuis. 1,876,645; Sept. 13.
Circuit arrangement for transmitter tubes. W. Kummerer. 1,863,798; June 21.
Circuit arrangement for transmitters, Keying. W. Buschbeck. 1,874,891; Aug. 30.
Circuit arrangement, Radio frequency. E. Green. 1,878,309; Sept. 20.
Circuit arrangement, Selective. J. Herman. 1,840,360; Jan. 12.
Circuit arrangements for smoothing a direct current ripple. H. Van Suchtelen. 1,875,961; Sept. 6.
Circuit, Audion. S. Ballantine. 1,844,456; Feb. 9.
Circuit, Audion amplifier. H. A. Snow and L. M. Hull. 1,861,587; June 7.
Circuit, Automatic dialing. S. W. Allison and W. I. McCullough. 1,855,022; Apr. 12.
Circuit, Automatic rider. P. E. Teter. 1,883,102; Oct. 18.
Circuit breaker. B. P. Baker and R. C. Dickinson. 1,872,397; Aug. 16.
Circuit breaker. W. M. Boudion. 1,859,377; May 24.
Circuit breaker. C. H. Davis, jr., and A. E. Riggs. 1,851,567; Mar. 29.
Circuit breaker. O. S. Jennings. 1,869,563; Aug. 2.
Circuit breaker. F. W. Lyle. 1,843,615; Feb. 2.
Circuit breaker. H. Milliken. 1,861,129; May 31.
Circuit breaker. F. J. Murphy. 1,839,329; Jan. 5.
Circuit breaker. O. A. Ross. 1,892,008; Dec. 27.
Circuit breaker. D. W. Weaver. 1,840,004; Jan. 5.
Circuit breaker and burglar alarm, Electric. D. Coyne. 1,891,751; Dec. 20.
Circuit breaker and method, Fused. T. E. Murray, jr. 1,849,239; Feb. 16.
Circuit breaker and the like, Electric. W. B. Whitney and E. B. Wedmore. 1,852,868; Apr. 5.
Circuit breaker, Automatic. C. H. and B. L. Hadley. 1,858,191; May 10.
Circuit breaker, Automatic. N. A. Hickok. 1,857,637; May 10.
Circuit breaker, Automatic. M. P. Janisch. 1,861,800; June 7.
Circuit breaker, Automatic. J. Sachs. 1,840,978; Jan. 12.
Circuit breaker control system and protective system, Multi-frequency. C. M. Moss. 1,871,724; Aug. 16.
Circuit breaker, Electric. H. Pearce. 1,841,147; Jan. 12.
Circuit breaker, Electric. O. A. Ross. 1,852,539; Apr. 5.
Circuit breaker, Electric. H. Trencham and H. C. Heath. 1,891,070; Dec. 13.
Circuit breaker, Electric. E. B. Wedmore. 1,866,495; July 5.
Circuit breaker, Electric. E. B. Wedmore and W. B. Whitney. 1,867,293; July 12.
Circuit breaker for fire alarms. E. Praturlon. 1,849,551; Mar. 15.
Circuit breaker for motor vehicles. S. Pensrum. 1,867,278; July 12.
Circuit breaker for motors in signaling systems. A. M. Curtis. 1,864,981; June 28.
Circuit breaker, High power. H. Mulliken. 1,861,128; May 31.
Circuit breaker lever. C. H. Davis, jr. 1,851,568; Mar. 29.
Circuit breaker, Oil. E. G. Kees. 1,849,875; Mar. 15.
Circuit breaker operator. J. C. Rea. 1,853,745; Apr. 12.
Circuit breaker, Panel. O. S. Jennings. 1,872,296; Aug. 5.
Circuit breaker reclosing system, Automatic. O. K. Marti, H. Winograd, and W. R. Streull. 1,873,970; Aug. 30.
Circuit breaker system. S. M. Dougherty. 1,841,094; Jan. 12.
Circuit breaker, Thermostatic. T. Whiteford and L. E. Donnell. 1,864,783; June 28.
Circuit-breaker-tripping system. R. J. Wensley. 1,873,087; Aug. 23.
Circuit breaker, Truck. K. C. Randall. 1,842,201; Jan. 19.
Circuit breakers, Operating mechanism for. J. D. Wood. 1,877,765; Aug. 16.
Circuit breakers, Synchronous control for. C. Aalborg. 1,848,298; Mar. 8.
Circuit-breaking apparatus, Automatic. R. M. G. Phillips. 1,890,233; Dec. 6.
Circuit breaking device. B. E. Mills. 1,864,144; June 21.
Circuit breaking switch, Automatic. A. C. Danner. 1,870,896; Aug. 9.
Circuit changing device. W. J. Day. 1,842,963; Jan. 26.
Circuit, Clock controlled electric. W. T. Trenwith. 1,849,413; Mar. 15.
Circuit closer. H. H. Fenner and R. E. Silvis. 1,852,236; Apr. 5.
Circuit closer. A. H. Mott, jr. 1,854,056; Apr. 12.
Circuit closer. E. W. Sprague. 1,892,084; Dec. 27.
Circuit closer for shuttle binders. E. H. Paulson. 1,852,088; Apr. 5.
Circuit closer for vehicle signals. G. A. Hanna. 1,864,848; Feb. 9.
Circuit closer, Heat responsive. E. Lyndon. 1,856,715; May 3.
Circuit closer, Thermostatic. G. H. Brady. 1,875,699; Sept. 6.
Circuit closing apparatus, Coin control. J. W. Hansen. 1,864,949; June 28.
Circuit closing device. B. Larson. 1,891,993; Dec. 27.
Circuit closing device. H. Sengebusch. 1,888,700; Nov. 22.
Circuit closing device, Temperature-actuated. H. Spiro and W. F. Anderson. 1,868,925; July 26.
Circuit closing switch, Alarm. A. Sharowsky. 1,841,064; Jan. 12.
Circuit, Combined rectifier and amplifier. K. C. Black. 1,874,841; Sept. 13.
Circuit connection for vapor electric device, Two-phase E. V. De Bleux. 1,860,175; May 24.
Circuit, Constant frequency. C. D. Barbulesco. 1,874,222; Aug. 30.
Circuit continuing device. H. A. Douglas. 1,876,876; Sept. 13.
Circuit, Control. E. D. Cook. 1,876,449; Sept. 6.
Circuit, Control. J. F. Usener, sr., and J. F. Usener, jr. 1,885,569; Nov. 1.
Circuit control apparatus. L. L. Lewis. 1,870,127; Aug. 2.
Circuit control apparatus for floodlights and the like. J. L. Brownell. 1,853,798; Apr. 12.
Circuit control device for automobiles. W. H. Collier. 1,861,175; May 31.
Circuit control means. D. G. Taylor. 1,880,524; Oct. 4.
Circuit control means, Automatic. E. W. Keil. 1,853,360; Apr. 12.
Circuit control system. P. Gray. 1,863,627; June 21.
Circuit control system. R. L. St. John. 1,846,620; Feb. 23.
Circuit controller. E. R. Carichoff. 1,875,217; Aug. 30.
Circuit controller. G. L. Cressy. 1,857,043; May 3.
Circuit controller. C. I. Hall. 1,851,246; Mar. 29.
Circuit controller. C. I. Hall. 1,851,508; Mar. 29.
Circuit controller. C. A. B. Halvorson. 1,856,832; May 3.
Circuit controller. G. V. Jefferson. 1,848,249; Mar. 8.
Circuit controller. L. V. Lewis. 1,887,273; Nov. 8.
Circuit controller. A. B. Rypinski. 1,884,877; Oct. 25.
Circuit controller. C. Stansbury and P. Crout. 1,880,367; Oct. 4.
Circuit controller. R. G. Tuggle. 1,866,378; July 5.
Circuit controller, Electric. D. Coyne. 1,891,752; Dec. 20.
Circuit controller, Electric. P. F. Denning. 1,847,821; Mar. 1.
Circuit controller for crossing signals, Car actuated. M. R. Briney. 1,845,395; Feb. 16.

Circuit controller for motion picture films. H. H. Fenner and R. B. Silvis, 1,869,678; Aug. 2.
Circuit controller, Pressure affected. P. F. Shivers, 1,875,669; Sept. 6.
Circuit controller, Sound operated. A. B. Du Mont, 1,844,117; Feb. 9.
Circuit controller, Thermostatic. M. Trapp, 1,881,150; Oct. 4.
Circuit controlling apparatus. P. N. Bossart, 1,880,033; Sept. 27.
Circuit controlling apparatus. W. W. Willard, 1,888,099; Nov. 15.
Circuit controlling appliance, Electric. J. Sachs, Re18,524; July 12.
Circuit controlling device. W. O. Beck, 1,880,676; Oct. 4.
Circuit controlling device. W. E. Cox, 1,875,707; Sept. 6.
Circuit controlling device. H. N. Wagar, 1,857,828; May 10.
Circuit controlling device. H. C. Wanner, 1,841,166; Jan. 12.
Circuit controlling device, Electric. C. G. Garton, 1,861,628; June 7.
Circuit controlling device, Selective electrical. C. L. Hanel, 1,874,100; Aug. 30.
Circuit controlling device, Variable electric. C. L. Hanel, 1,848,171; Mar. 8.
Circuit controlling mechanism. T. E. Murray, 1,885,535; Nov. 1.
Circuit controlling switch, Multiple. R. Popp, 1,858,597; May 17.
Circuit device, Variable gain. W. T. Wintringham, 1,891,297; Dec. 20.
Circuit, Electric amplifying. B. D. Bedford, 1,874,159; Aug. 30.
Circuit, Electric control. O. T. Francis, 1,877,165; Sept. 13.
Circuit, Electric translating. D. C. Prince, 1,870,022; Aug. 2.
Circuit, Electric translating. C. A. Sabbah, 1,891,114; Dec. 13.
Circuit, Electrical coupling. W. A. MacDonald, 1,888,278; Nov. 22.
Circuit, Electrical signaling and operating. N. E. Nilsson, 1,886,216; Nov. 1.
Circuit, Electron tube. F. E. Terman, 1,846,043; Feb. 23.
Circuit for automotive electric brakes, Safety. V. G. Apple, 1,841,272; Jan. 12.
Circuit for carrier telegraph signals, Relay receiving. F. G. Hanlon, 1,872,040; Aug. 23.
Circuit for electric discharge devices. H. M. Stoller, 1,841,504; Jan. 19.
Circuit for electrical discharge apparatus. C. R. Keith, 1,881,657; Oct. 11.
Circuit for electron discharge devices. I. R. Weir, 1,884,439; Oct. 25.
Circuit for heterodyne receivers, Oscillating coupling. W. L. Carlson, 1,848,823; Mar. 8.
Circuit for power generators, Main and auxiliary. F. W. Gay, 1,845,920; Feb. 9.
Circuit for purifying high frequency radiation. A. H. Taylor, 1,875,952; Sept. 6.
Circuit for radio communication. R. N. Auble, 1,859,016; May 17.
Circuit for radio receiving sets, Filter. D. Grimes, 1,847,739; Mar. 1.
Circuit for railway signaling system, Trap. D. W. Merserau, 1,889,450; Nov. 29.
Circuit for simplex printers, Concentration. G. G. Light, 1,881,739; Oct. 11.
Circuit for space discharge devices. A. E. Bachelet, 1,841,894; Jan. 19.
Circuit for submarine cable operation, Interpolating. H. J. Rosenberger, 1,873,044; Aug. 23.
Circuit for synchronizing telegraph systems, Corrector. A. W. Breyfogel, 1,855,380; Apr. 26.
Circuit for telephone calls, Timing. G. H. Peterson, 1,853,077; Apr. 5.
Circuit for telephone exchange system, Trunk. A. E. Hague, 1,855,747; Apr. 5.
Circuit for therapeutic purposes, High frequency oscillatory. P. C. Rawls, 1,888,408; Nov. 22.
Circuit for two way signaling systems, Terminating. C. N. Nebel, 1,856,654; May 3.
Circuit for vapor electric discharge devices, Control. W. D. Cockrell, 1,867,398; July 12.
Circuit, Frequency multiplier. W. Runge, 1,851,408; Mar. 29.
Circuit, Impulse. C. L. Goodrum, 1,840,090; Jan. 5.
Circuit, Impulse. E. E. Hinrichsen, 1,840,097; Jan. 5.
Circuit installation, Electric. M. W. McArdle, 1,875,078; Aug. 30.
Circuit interrupter. N. Abramson, 1,862,648; June 14.
Circuit interrupter. J. G. Albright, 1,892,454; Dec. 27.
Circuit interrupter. G. L. Bossard, 1,880,740; Oct. 4.
Circuit interrupter. G. R. Brown, 1,847,922; Mar. 1.
Circuit interrupter. A. C. Crago, 1,841,091; Jan. 12.
Circuit interrupter. A. S. Fitzgerald and H. L. Palmer, 1,859,082; May 17.
Circuit interrupter. H. L. Hartzell, 1,873,198; Aug. 23.
Circuit interrupter. J. B. McNeill, 1,855,579; Apr. 26.
Circuit interrupter. J. E. McGee and B. P. Baker, 1,878,959; Sept. 20.
Circuit interrupter. D. C. Prince, 1,865,274; June 28.
Circuit interrupter. M. H. Shoenberg and L. Schon, 1,858,687; May 17.
Circuit interrupter. R. C. Van Sickle. Re18,630; Oct. 18.
Circuit interrupter. M. B. Tasker, 1,879,958; Sept. 27.
Circuit interrupter. F. C. Todd, 1,888,707; Nov. 22.
Circuit interrupter, Electrical. F. G. Shoemaker and J. J. Rose, 1,866,492; July 5.
Circuit interrupter, High speed. C. Aalborg and J. B. MacNeil, 1,872,382; Aug. 16.
Circuit interrupter, High tension. D. C. Prince and W. Turnpenny, 1,860,337; May 24.
Circuit interrupter, High tension. W. H. Turnpenny, 1,872,530; Aug. 16.
Circuit interrupting system. D. C. Prince, 1,866,371; July 5.
Circuit, Light control. E. O. Hulburt and W. H. Crew, 1,886,813; Nov. 8.
Circuit maker and breaker. H. A. Douglas, 1,853,513; Apr. 12.
Circuit maker and breaker for safe alarms. L. I. Parkhurst, 1,861,547; June 7.
Circuit, Motor starting. J. T. Fitzsimmons, 1,873,117; Aug. 23.
Circuit, Multiple turret simplex printer concentration. G. G. Light, 1,860,343; May 24.
Circuit, Neutralizing. W. V. Roberts, 1,861,585; June 7.
Circuit of variable speed dynamo electric machines, Apparatus for controlling the battery charging. A. E. Thomas, 1,856,060; Apr. 26.
Circuit opening and closing device. E. L. Watkins, 1,846,504; Feb. 23.
Circuit, Oscillator. R. H. Worrall, 1,848,594; Mar. 8.
Circuit oscillator, Relaxation of. R. M. Page, 1,869,500; Aug. 2.
Circuit, Photo-electric cell. J. Engl, 1,859,822; May 24.
Circuit, Picture telegraphy. G. Rieper, 1,857,742; May 10.
Circuit, Polyphase filter. R. D. Duncan, jr, 1,839,301; Jan. 5.
Circuit, Power supply. G. R. Eaton, 1,844,502; Feb. 9.
Circuit protecting device. R. Dubusc and A. D. Ilhoviel, 1,885,189; Nov. 1.
Circuit protective device. G. R. Townsend, 1,851,739; Mar. 29.
Circuit, Radio current supply. W. H. Grimditch, 1,852,882; Apr. 5.
Circuit, Radio telegraph. R. M. Blair, 1,855,509; Apr. 26.
Circuit, Railway signaling track. H. S. Young, 1,851,474; Mar. 29.
Circuit, Receiving. H. D. Currier, 1,860,996–7; May 31.
Circuit, Receiving. G. R. Eaton and E. R. Heath, 1,850,096; Mar. 22.
Circuit, Rectifier. C. C. Bradbury, 1,878,101; Sept. 20.
Circuit, Regenerative photo-electric cell. B. Kwartin, 1,880,020; Sept. 27.
Circuit regulating means, Electrical. T. C. Lennox, 1,876,427; Sept. 6.
Circuit regulator, Electrical. B. A. Case, 1,874,240; Aug. 30.
Circuit, Relay. K. W. Graybill, 1,887,302; Nov. 8.
Circuit, Resistance cell. C. F. Jenkins, 1,879,687; Sept. 27.
Circuit, Resistance tuned. S. Cabot, 1,853,604; Apr. 12.
Circuit, Rotary distributor phasing. G. A. Locke, 1,873,440; Aug. 23.
Circuit system and remote control, Selective. A. R. Locke, Re18,593; Sept. 13.
Circuit system, Track. A. G. Williamson, 1,866,144; July 5.
Circuit, Telegraph receiving or repeating. A. E. Frost, 1,881,458; Oct. 11.
Circuit, Telephone, office alarm. H. M. Bascom, 1,850,007; May 24.
Circuit testing instrument. H. Onken, 1,865,583; July 5.
Circuit, Thermostatically controlled electric. A. C. Burlingame, 1,859,765; May 24.
Circuit, Thermostatically controlled electric. E. Walder, 1,857,417; May 10.
Circuit, Traffic signal. D. H. Calderwood, 1,886,523; Nov. 8.
Circuit, Transmission. D. G. Grimley, 1,881,515; Oct. 11.
Circuit, Transmission. H. Whittle, 1,857,830; May 10.
Circuit, Transmission circuit. B. G. Bjornson, 1,840,015; Jan. 5.
Circuit, Transmitting. R. L. Davis, 1,877,561; Sept. 13.
Circuit, Trunk. H. W. Ulrich, 1,883,158; Oct. 18.
Circuit tuning device, Electric. W. A. Ready, 1,859,796; May 24.
Circuit tuning devices, Pigtail for variable electric. W. A. Ready, 1,848,906; Mar. 8.
Circuit, Vacuum tube. C. E. Strong, 1,848,209; Mar. 8.
Circuit, Voice operated. R. C. Mathes, 1,892,284; Dec. 27.
Circuit, Voice operated repeater. B. G. Bjornson, 1,866,592; July 12.
Circuit, Wave transmission. H. T. Friis and A. G. Jensen, 1,859,867; May 24.
Circuit, Zero correcting. E. T. Burton, 1,858,037; May 10.
Circuitous elevator. W. F. Eames, 1,857,118; May 3.
Circuits, Amplifying. H. C. Mueller, 1,845,720; Feb. 16.

Circuits, Apparatus for interrupting alternating power. E. F. Northrup, 1,877,575; Sept. 13.
Circuits, Arrangement for oscillation. W. Runge, 1,890,302; Dec. 6.
Circuits, Compensating for nonlinear distortion in transmission. H. Nyquist, 1,858,307; May 17.
Circuits, Compensating for nonlinear distortion in transmission. H. Nyquist, 1,858,338; May 17.
Circuits, Constant current translating. H. D. Brown, 1,844,633; Feb. 9.
Circuits, Control and protection of electric. A. S. Fitz Gerald, 1,890,321; Dec. 6.
Circuits, Control of constant current. C. G. Suits.
Circuits, Core construction for magnetic. R. E. Stewart, 1,873,354; Aug. 23.
Circuits, Electric coupling. H. A. Wheeler, 1,844,374; Feb. 9.
Circuits, Electric-coupling. H. A. Wheeler, 1,878,653; Sept. 20.
Circuits, Electrical control. H. L. Palmer, 1,847,893; Mar. 1.
Circuits, Electron tube. D. F. Whiting, 1,861,201; May 31.
Circuits, Filter. H. M. Stoller, 1,856,666; May 3.
Circuits, Filtering. G. H. Stevenson, 1,869,870; Aug. 2.
Circuits for coupling lines of different impedances. A. G. Ganz, 1,853,969; Apr. 12.
Circuits for electric discharge devices. H. S. Black, 1,859,494; May 24.
Circuits for electric discharge devices. L. J. Sivian, 1,841,501; Jan. 19.
Circuits, Frequency measuring. J. W. Horton, 1,856,707; May 3.
Circuits, Frequency measuring. J. W. Horton, 1,864,543; June 28.
Circuits, Gas-filled tube. B. G. Björnson, 1,880,714; Oct. 4.
Circuits, High frequency signal transmission. A. H. Taylor, 1,848,912; Mar. 8.
Circuits, Impedance bond for track. W. H. Reichard, 1,859,377; May 24.
Circuits, Interrupting electric. T. T. Greenwood, 1,850,321; Mar. 22.
Circuits, Interrupting electric. A. Lotz, 1,872,310; Aug. 16.
Circuits, Method and apparatus for controlling electric. H. A. Mulvany, 1,864,049; June 21.
Circuits, Method and apparatus for securing high amplification in electrical. J. Razek and P. J. Mulder, 1,890,750; Dec. 13.
Circuits, Negative grid tube tube oscillator. J. R. Harrison, 1,863,372; June 14.
Circuits, Prevention of overhearing in program. A. G. Chapman and A. Curchy, 1,859,821; Dec. 6.
Circuits, Radio receiving. T. H. Kinman, 1,863,409; June 14.
Circuits, Rectifier. K. C. Black, 1,869,089; July 26.
Circuits, Regulating. R. W. Chesnut, D. M. Terry, and W. F. Kanneberg, 1,880,800; Oct. 4.
Circuits, System for counteracting undesired oscillations in alternating current. T. H. Burns, 1,883,536; Oct. 18.
Circuits, Tandem trunk. G. C. Hartley and E. P. G Wright, 1,862,536; June 14.
Circuits, Testing arrangement for power. P. Sporn and H. D. Freitag, 1,887,962; Nov. 15.
Circuits, Thermionic amplifying. E. Asch, 1,862,393; June 7.
Circuits, Timing toll telephone. H. W. Grimm, 1,891,594; Dec. 20.
Circuits, Transmission control. B. G. Björnson, 1,865,165; June 28.
Circuit, Transmission control. B. G. Björnson, 1,873,268; Aug. 23.
Circuits, Transmission control. B. G. Björnson, A. W. Horton, and A. C. Norwine, 1,880,715; Oct. 4.
Circuits, Transmission control. H. W. Dudley, 1,841,405; Jan. 19.
Circuits, Transmission control. H. L. Jones and E. A. Vesta, 1,881,642; Oct. 11.
Circuits, Transmission delay. C. H. Fetter, 1,851,090; Mar. 29.
Circuits, Transmission delay. C. H. Fetter, 1,851,092; Mar. 29.
Circuits, Tuned electrical. H. I. Becker, 1,853,953; Apr. 12.
Circuits, Vacuum tube amplifying. R. S. Hayes, 1,851,905; Mar. 29.
Circuits, Voice operated relay. B. G. Björnson, 1,859,019; May 17.
Circular knitting machine. J. Sirmay, 1,891,956; Dec. 27.
Circular shears. F. Stein, 1,888,870; Nov. 22.
Circulating apparatus, Siphonic. G. T. Prout, 1,845,624; Feb. 16.
Circulating heater. J. B. Miller. Des. 87,350; July 12.
Circulating heater. L. De Wit. Des. 87,148; June 14.
Circulation and heating apparatus for tanneries, Portable. J. Starling, 1,841,068; Jan. 12.
Circulation control apparatus for the low pressure side of refrigerating systems. R. L. Myers, 1,847,255; Mar. 1.
Circulator for crossdrum boiler. F. Valladares, 1,883,161; Oct. 18.
Citrates and citric acid, Manufacture of. O. Ungnade, 1,876,366; Sept. 6.
Clam digger. I. Viita, 1,862,777; June 14.
Clamp; see—
Automatic clamp.
Awning front pole clamp.
Bailing line clamp.
Battery clamp.
Battery post clamp.
Battery terminal clamp.
Belt clamp.
Bracelet clamp.
Brake liner clamp.
Bushing clamp.
Cable clamp.
Cable or wire clamp.
Case clamp.
Chute clamp.
Cloth clamp.
Clothes clamp.
Coil clamp.
Column clamp.
Concrete form clamp.
Conductor clamp.
Conduit and pipe clamp.
Dead end clamp.
Door clamp.
Form clamp.
Grade clamp.
Ground rod clamp.
Grounding clamp.
Hair clamp.
Hayrack clamp.
Head clamp.
Hose clamp.
Jack post clamp.
Knife clamp.
Lamp clamp.
Ledger clamp.
Meat clamp.
Mounting clamp.
Mouth clamp.
Neckband clamp.
Needle straightening clamp.
Parallel groove clamp.
Pipe clamp.
Plate clamp.
Pole clamp.
Pole splice clamp.
Press clamp.
Pull rod slip clamp.
Rail clamp.
Rebound clamp.
Rod clamp.
Rod or pipe clamp.
Saddle clamp.
Saw clamp.
Shoe heel clamp.
Spindle clamp.
Spreader clamp.
Suspension clamp.
Syringe attachment clamp.
Thread clamp.
Tire clamp.
Transmission line clamp.
Tube repairing clamp.
Umbilical cord clamp.
Wedge clamp.
Welding clamp.
Wire clamp.
Workholding clamp.
Woven wire clamp.
Clamp. T. Birkenmaier, 1,853,891; Apr. 12.
Clamp. E. E. Cardner, 1,842,147; Jan. 19.
Clamp. H. P. Chandler, 1,863,039; June 14.
Clamp. W. F. Hands, 1,846,422; Feb. 23.
Clamp. G. W. Hulshizer, 1,842,026; Jan. 19.
Clamp. H. A. Klatt, 1,862,149; June 7.
Clamp. H. Krebs, 1,888,209; Nov. 22.
Clamp. C. L. Matthews, 1,846,445; Feb. 23.
Clamp. E. J. McKnight, 1,852,586; Apr. 5.
Clamp. W. E. Merrymun, 1,847,894; Mar. 1.
Clamp. J. S. Miller, 1,879,394; Sept. 27.
Clamp. N. C. Payne, 1,882,297; Oct. 11.
Clamp. H. H. Raymond, 1,861,284; Mar. 15.
Clamp. E. X. Somers, 1,883,041; Oct. 18.
Clamp. F. R. Spurgeon and S. Lynch, 1,886,132; Nov. 1.
Clamp. M. Stupar and H. Page, jr. 1,882,305; Oct. 11.
Clamp. C. K. Wood and R. Wood, 1,843,057; Jan. 26.
Clamp adjuster. V. Jullien, 1,875,012; Aug. 30.
Clamp and connection, Guy wire. J. Blackburn, 1,880,193; Oct. 4.
Clamp and drift pin, Combination. A. Q. Nash, 1,840,169; Jan. 5.
Clamp and holding device with hook. D. B. Klinetob, 1,881,677; Oct. 11.
Clamp arrangement, Lamp door. C. A. Michel, 1,884,076; Oct. 25.
Clamp block. M. K. Parkhurst, 1,845,438; Feb. 16.
Clamp block. V. J. Zuanich, 1,849,214; Mar. 15.
Clamp for angles and the like. B. G. Goble, 1,887,551; Nov. 15.
Clamp for bell and spigot pipe joints, Repair. G. Seaberg, 1,856,788; May 3.
Clamp for concrete forms. H. W. Roos, 1,852,823; Apr. 5.
Clamp for condensers. A. Nyman, 1,861,024; May 31.
Clamp for derrick legs. J. D. McEwen, 1,867,371; July 12.
Clamp for electric conductors, Suspension. A. C. Goodwin and T. H. Barnard, 1,857,277; May 10.
Clamp for electrical overhead or aerial lines, Supporting or carrying. J. W. Hofmann, 1,844,957; Feb. 16.
Clamp for leading machines, Rail. E. C. Morgan, 1,859,596; May 24.
Clamp for metallic roof coverings, Movable. E. Wender, 1,882,105; Oct. 11.
Clamp for outlet and switch boxes, Ground. O. A. Frederickson, 1,880,081; Sept. 27.
Clamp for saw machines and the like. C. Koets, 1,841,822; Jan. 19.
Clamp for scaffolding for building and other purposes. A. C. Marshall, 1,860,839; May 31.
Clamp for slicing machine, Work. H. Stukart, 1,847,315; Mar. 1.
Clamp for slicing machines, Substance. H. Thomas, 1,866,236; July 5.
Clamp for sucker rods and the like. J. P. Ratigan, 1,852,477; Apr. 5.
Clamp for suction cleaners, Bag. L. C. Van Riper, 1,861,402; May 31.
Clamp for use in welding. C. C. Davis, 1,879,122; Sept. 27.
Clamp for wooden heels. A. Strawn, 1,854,078; Apr. 12.
Clamp machine. R. W. Burns, 1,873,818; Aug. 23.
Clamp operating and locking means. G. E. Swartz, 1,883,087; Oct. 18.
Clamp or dog, Pipe. G. Bannan, 1,866,075; July 5.

Clamp or holder for egg case tops. O. L. Cupp and J. C. Atterbury. 1,888,622; Nov. 22.
Clamp positioning device. F. F. Mali. 1,861,807; June 7.
Clamp support for globes. G. Green, G. E. Booth, J. T. De Vault. 1,871,847; Aug. 16.
Clamping apparatus. S. D. Butterworth. 1,873,819; Aug. 23.
Clamping device. C. H. Davis, jr. 1,880,375; Oct. 4.
Clamping device. W. C. Jackson. 1,867,156; July 12.
Clamping device. S. M. Templeton. 1,880,526; Oct. 4.
Clamping device. O. Wulfert and C. P. Potter. 1,870,274; Aug. 9.
Clamps device for building foundations. J. F. Loucks. 1,881,769; Oct. 11.
Clamping device for extension leveling rods. A. Langsner. 1,842,724; Jan. 26.
Clamping device for lateral arm awning hanger brackets. F. A. Anton. 1,851,270; Mar. 29.
Clamping device for phonograph records and the like. B. E. Mills. 1,843,140; Feb. 2.
Clamping device, Presidor. J. Sable. 1,845,117; Feb. 16.
Clamping means. P. J. Cannon. 1,882,483; Oct. 11.
Clamping means. A. Morandi. 1,890,042; Dec. 6.
Clamping means. E. Wirschitz. 1,867,043; July 12.
Clamping means, Expanding. F. J. Jarvis. 1,848,347–8; Mar. 8.
Clamping means for globes and the like. W. H. Rowe. 1,844,685; Feb. 9.
Clamping means for trays or the like. F. Glantz. 1,842,825; Jan. 26.
Clamping mechanism for molds, Automatic. L. Eggert. 1,865,484; July 5.
Clamping ring, Hose darning. G. E. Gibboney. 1,856,830; May 3.
Clamps for use in manufacturing welded tanks, Welding. Y. C. Norquist. 1,854,144; Oct. 25.
Clarification system for dry cleaning solvents. G. Boon. 1,866,187; July 5.
Clarinet. A. Knetzger. 1,845,880; Feb. 16.
Clasp: *See*—
Button clasp. Garter clasp.
Garment clasp. Lingerie clasp.
Clasp. J. F. Allison. 1,849,020; Mar. 8.
Clasp. O. Carlson. 1,862,175; June 7.
Clasp. A. M. Cole. 1,862,263; May 31.
Clasp. A. M. Cole. 1,892,422; Dec. 27.
Clasp. G. H. Fisher and F. S. Fisher. 1,881,442; Oct. 11.
Clasp. F. E. Forsell. 1,874,484; Aug. 30.
Clasp. W. E. Haas. Des. 87,434–5; July 26.
Clasp. S. A. Johnson. 1,852,462; Apr. 5.
Clasp. S. A. Johnson. 1,864,356; June 21.
Clasp. J. Rosenthal. 1,867,444; July 26.
Clasp. F. L. Rouleau. 1,885,296; Nov. 1.
Clasp. L. J. Vetter. 1,853,387; Apr. 12.
Clasp. A. H. Weld. 1,841,402; Jan. 19.
Clasp chiefly for necklaces and the like pieces of jewelry, Multiple disconnectible. J. Bienenfeld. 1,853,111; Apr. 12.
Clasp finding. A. Savitzky. 1,839,776; Jan. 5.
Clasp for bracelets, straps, linkages or the like. C. H. Kestenman. 1,892,281; Dec. 27.
Clasp for bandages and like wrappings. J. G. Tompkins. 1,868,644; July 26.
Clasp for bracelet strap. S. A. Johnson. 1,859,365; May 24.
Clasp for garment support. S. N. Coulter. 1,873,551; Aug. 23.
Clasp for lingerie, hair, and like purpose. G. A. Laughton. 1,870,014; Aug. 2.
Clasp for neckties or the like. F. P. Daughaday. 1,862,350; June 7.
Clasp for wrist watches, Band. C. J. Heilman. 1,854,257; Apr. 19.
Clasp or connecting device for straps, bands, and bracelets, Extendible. C. H. Kestenman. 1,892,060; Dec. 27.
Clasping device for bracelets. C. H. Kestenman. 1,892,350; Dec. 27.
Classification of materials by elutriation. L. Andrews. 1,890,206; Dec. 6.
Classifier. J. H. Y. Finney and A. D. Marriott. 1,870,409; Aug. 9.
Classifier. A. D. Marriott. 1,870,371; Aug. 9.
Classifier for sand and gravel plants, Dehydrating. O. E. Perkins. 1,839,908; Jan. 5.
Classifying apparatus. T. Karlovitch and J. Sebes. 1,871,703; Aug. 16.
Classifying materials in jet impact pulverizers. P. Anger. 1,874,150; Aug. 30.
Clay and manufacture of hydrochloric acid, Activation of. O. Hultman. 1,894,474; Jan. 17.
Clay and producing same, Refined. G. Simcoe. 1,888,701; Nov. 22.
Clay bodies, Facing. C. B. Young. 1,845,695; Feb. 16.
Clay bodies, Molding hollow. M. G. Dumas. 1,859,768; May 24.
Clay, Coloring. R. T. Vanderbilt. 1,841,309; Jan. 12.
Clay gun. A. F. Giese, jr. 1,852,562; Apr. 5.
Clay gun. A. F. Giese, jr. 1,852,564; Apr. 5.
Clay gun carriage and locking means. A. F. Giese, jr. 1,852,563; Apr. 5.
Clay, Improving. R. Cross. 1,873,296; Aug. 23.
Clay manufacture. W. Feldenheimer. 1,847,212; Mar. 1.
Clay molding machine, Hydraulic. F. Y. Pearne and W. McClintock. 1,881,061; Oct. 4.
Clay pouring apparatus. L. Showers. 1,885,774; Nov. 1.
Clay, Process for reactivating. E. R. Lederer. 1,872,988; Aug. 23.
Clay products, Preparing. C. W. Parks. 1,848,743; Mar. 8.
Clay, Revivifying. R. C. Pollock. 1,847,624; Mar. 1.
Clay tempering. A. F. C. Lotz. 1,879,367; Sept. 27.
Clay, Treating. C. V. Zoul. 1,884,954; Oct. 25.
Clay working machine. H. H. Montague. 1,859,675; May 24.
Clays from ordinary surface clays, Obtaining colloidal. O. E. J. Abrahamson. 1,865,496; July 5.
Cleaner: *See*—
Air cleaner. Pipe cleaner.
Air-way suction cleaner. Plate cleaner.
Atomizing cleaner. Pneumatic cleaner.
Boiler cleaner. Pocket and cuff cleaner.
Boiler tube cleaner. Radiator cleaner.
Boot cleaner. Rail cleaner.
Bottle cleaner. Rake cleaner.
Brush and comb cleaner. Receptacle cleaner.
Brush cleaner. Sand and gravel cleaner.
Clothesline cleaner. Sewer cleaner.
Convertible suction cleaner. Sieve cleaner.
Cotton cleaner. Spark plug cleaner.
Ear cleaner. Spinning frame cleaner.
Finger nail cleaner. Suction cleaner.
Flue cleaner. Surface cleaner.
Gas cleaner. Switch cleaner.
Gravel cleaner. Tank cleaner.
Henhouse dropping-board cleaner. Tongue and mouth cleaner.
Hole cleaner. Tooth cleaner.
Holder cleaner. Tube cleaner.
Meat block cleaner. Tractor wheel cleaner.
Mine track cleaner. Tube end cleaner.
Mop cleaner. Vacuum cleaner.
Muffler and air cleaner. Vacuum floor cleaner.
Oil cleaner. Wick cleaner.
Oil well cleaner. Window cleaner.
Paper cleaner. Windshield cleaner.
Cleaner. W. B. Beach, jr. 1,861,899; June 7.
Cleaner. A. O. Engberg and T. E. D. Bilde. 1,868,659; July 26.
Cleaner. C. A. Hoff. 1,872,589; Aug. 16.
Cleaner. A. L. Primeau. 1,878,250; Sept. 20.
Cleaner and humidifier, Air. E. M. Hicks. 1,888,001; Nov. 15.
Cleaner and pin carrier, Clothes line. J. E. Boland and M. J. Vivian. 1,882,174; Oct. 11.
Cleaner and polisher and container therefor, Combined eyeglass. N. P. Steckler. Des. 85,961; Jan. 5.
Cleaner and protector, Windshield. G. Van Daam. 1,864,561; June 28.
Cleaner and spout retainer, Oil hole. J. B. Stoltzfus. 1,856,598; May 3.
Cleaner and wiper carrying arm therefor, Windshield. H. Huebner. 1,852,779; Apr. 5.
Cleaner control, Hydraulic. E. Stump. 1,855,895; Apr. 26.
Cleaner control, Windshield. H. Hueber and E. C. Horton. 1,855,913; Apr. 26.
Cleaner element, Fluid cooled. F. C. Arey. 1,851,559; Mar. 29.
Cleaner for boilers, Soot. T. M. Bruback. 1,873,282; Aug. 23.
Cleaner for rollers of elevating graders. L. T. Duesberg. 1,871,503; Aug. 16.
Cleaner for sucker rods and the like. A. M. Schuster. 1,840,334; Jan. 12.
Cleaner for tractors, Wheel. O. T. Nichol. 1,861,873; June 7.
Cleaner structure, Windshield. M. Romano. 1,873,907; Aug. 23.
Cleaner system, Compressed air operated windshield. E. C. Horton and H. Hueber. 1,874,294; Aug. 30.
Cleaners, Adjustable roller support for airway. D. B. Replogle. 1,862,941; June 14.
Cleaners, Floor polishing attachment for suction. E. A. Hampson. 1,853,047; Apr. 12.
Cleaning and disinfecting compound. W. E. Jones. 1,840,452; Jan. 5.
Cleaning and drying machine. A. E. Broadston. 1,860,132; May 24.
Cleaning and gas-freezing hydrocarbon storage tanks. J. W. Fitz Gerald. 1,891,592; Dec. 20.
Cleaning and massaging device. G. Virneburg. 1,852,991; Apr. 5.
Cleaning and silencing means for engine exhausts. M. J. Goldberg. 1,877,296; Sept. 13.
Cleaning apparatus. C. F. Fitts. 1,876,048; Sept. 6.
Cleaning apparatus, Sheet. H. E. McCrery. 1,842,619; Jan. 26.
Cleaning apparatus for the rolls of papermaking machines. H. T. Norman. 1,889,838; Dec. 6.
Cleaning apparatus, Suction. E. F. Martinet. Re18,538; July 19.
Cleaning attachment for duck foot cultivators. W. F. Hoffee. 1,888,764; Nov. 22.
Cleaning composition. H. V. Churchill. 1,890,214; Dec. 6.

Cleaning composition. O. Textor and B. O. Crites. 1,885,390; Nov. 1.
Cleaning device. L. O. Ballinger. 1,887,447; Nov. 8.
Cleaning device. C. E. Redfield. 1,887,738; Nov. 8.
Cleaning device for brooders. O. B. Kerr. 1,840,202; Jan. 5.
Cleaning device for clarifiers, Automatic. W. C. Laughlin. 1,881,712; Oct. 11.
Cleaning device for pulverized fuel furnaces. R. Roosen. 1,867,101; July 12.
Cleaning device for sewage filter beds. W. C. Laughlin and A. B. Asch. 1,872,750; Aug. 23.
Cleaning device, Well casing. H. E. Braly. 1,875,413; Sept. 6.
Cleaning machine. A. B. Butterworth. 1,876,607; Sept. 13.
Cleaning machine for magazines and matrices. H. R. Freund. 1,890,374; Dec. 6.
Cleaning mechanism. W. H. Campen and J. R. Smith. 1,868,877; July 12.
Cleaning mechanism for material elevators. F. D. Wilson. 1,843,009; Jan. 26.
Cleaning or plating tank. E. A. Hooper. 1,852,750; Apr. 5.
Cleaning plant, Hydraulic. W. C. Furnas. 1,861,428; May 31.
Cleaning surfaces, Apparatus for. S. A. Wier. 1,878,560; Sept. 20.
Cleanser for aluminum. W. C. Gangloff. 1,870,311; Aug. 9.
Cleanser for household use. W. C. Gangloff. 1,870,312; Aug. 9.
Cleansing apparatus. G. J. Scofield. 1,888,575; Nov. 22.
Cleansing article and making same. G. W. Brooks and J. J. Duginski. 1,878,104; Sept. 20.
Cleansing composition. W. A. Scott. 1,879,933; Sept. 27.
Cleansing device for rock drills. G. W. Hulshizer. 1,865,010; June 28.
Cleansing medium and product thereof, Manufacture of a. J. Tengler. 1,867,117. July 12.
Clear top extractor. L. C. Schenck. 1,882,968; Oct. 18.
Clear vision device. P. J. Sciarrino. 1,878,718; Sept. 20.
Cleat, Baseball. G. W. Harper. 1,867,219; July 12.
Cleat fastening means. T. M. Kimes. 1,888,175; Nov. 15.
Cleat, Shoe. G. L. Pierce. 1,873,904; Aug. 23.
Cleats for athletic shoes, Detachable self-centering. W. T. Clark. 1,864,713; June 28.
Clevis. R. J. Langer. 1,889,204; Nov. 29.
Click bolt. A. Enos. 1,890,806; Dec. 13.
Climbing structure for playgrounds. D. D. Ferrell. 1,877,833; Sept. 20.
Clinker extractor. C. Blohm, jr. 1,884,541; Oct. 25.
Clinker remover. G. W. Haverstick. 1,853,899; Apr. 12.
Clinograph. R. P. McLaughlin. 1,887,773; Nov. 15.
Clinometer. J. Avery. 1,851,886; Mar. 29.
Clip: See—

Bill clip.	Fuse clip.
Binder clip.	Hose clip.
Board clip.	Ironing board clip.
Button chain clip.	Key clip.
Cable clip.	Paper clip.
Card holding clip.	Pen clip.
Closing clip.	Permanent wave clip.
Conductor clip.	Plumbing fixture clip.
Connecting clip.	Rail clip.
Contact clip.	Retaining clip.
Electric mineral clip.	Socket clip.
Extension clip.	Soft collar clip.
Film clip.	Spring clip.
Finger nail clip.	Switch clip.
Frame clip.	Tenter clip.

Clip. C. E. Anderson and C. E. Peterson. 1,868,867; July 26.
Clip. W. Borchert. 1,872,232; Aug. 16.
Clip. H. S. Hanson. 1,863,902; June 21.
Clip. B. F. Jancke. 1,849,351; Mar. 15.
Clip. E. B. Johnson. 1,851,770; Mar. 29.
Clip. F. C. Kastner. 1,881,653–4; Oct. 11.
Clip. S. J. Lavezzi. 1,881,716; Oct. 11.
Clip. J. M. Locki. 1,844,774; Feb. 9.
Clip. R. Olans. Des. 87,018; May 24.
Clip. W. Wilson. 1,859,946; May 24.
Clip, Apparatus for forming and attaching a terminal. J. Q. Holmes and A. W. Phelps. 1,873,125; Aug. 23.
Clip applying instrument, Surgical. J. P. Wels. 1,880,569; Oct. 4.
Clip construction. E. Lehr. 1,878,497; Sept. 20.
Clip fastening means, Metal. H. L. Greve. 1,872,734; Aug. 23.
Clip for applying plastic lath or the like to wood studding, Fastening. R. J. Taylor. 1,890,240; Dec. 6.
Clip for books, etc., Penetrating. H. L. Roberts. 1,849,639; Mar. 15.
Clip for building materials. P. Satterlee. 1,853,380; Apr. 12.
Clip for connecting plaster board panels and the like, Metal. R. J. Taylor. 1,867,194; July 12.
Clip for electrical connections. E. H. Bridge. 1,842,817; Jan. 26.
Clip for engaging wall board to supporting elements. O. C. Crysler. 1,854,945; Apr. 19.
Clip for fastening foraminous plaster key. J. S. Raynor. 1,874,802; Aug. 30.
Clip for fountain-pen caps, pencils and the like. H. Krause. 1,863,016; June 14.
Clip for fountain pens and pencils. D. J. La France. 1,854,747; Apr. 19.
Clip for guard-boards of scaffolds and the like. A. C. Marshall. 1,857,159; May 10.
Clip for holding blanks, Desk. R. I. Meader. 1,871,719; Aug. 16.
Clip for holding expanded or other metal angle corners in walls, Metal. R. J. Taylor. 1,890,239; Dec. 6.
Clip for newspapers and the like, Spring wire. W. D. Loveday. 1,849,748; Mar. 15.
Clip for paper napkins. J. Short. 1,864,281; June 21.
Clip for pencils. E. E. Hill. 1,862,822; June 14.
Clip for plate lock-up, Spring seated center. H. C. Jordor. 1,840,320; Jan. 5.
Clip for retaining a pencil. E. Prestinari. 1,847,898; Mar. 1.
Clip for tentering machines and the like. W. Berry. 1,890,449; Dec. 13.
Clip for writing instruments. W. R. Cuthbert. Des. 86,311; Feb. 2.
Clip for writing instruments. W. C. S. Mays. 1,874,110; Aug. 30.
Clip for writing instruments and making same. W. C. S. Mays. 1,889,037; Nov. 29.
Clip or binder for paper sheets. G. H. E. Lyons. 1,874,323; Aug. 30.
Clipper. W. M. Keith. 1,851,771; Mar. 29.
Clipper. A. Kitzman. 1,847,786; Mar. 1.
Clipper and retainer. A. F. Erichsen. 1,854,582; Apr. 19.
Clipper, Electric hair. A. J. Dremel. 1,858,857; May 17.
Clipper, Finger nail. M. Schnefel. 1,849,592; Mar. 15.
Clipper, Fruit. L. M. Harvey. 1,840,358; Jan. 12.
Clipper, Fruit. L. M. Harvey. 1,862,218; Oct. 11.
Clipper, Grass. E. G. Hazel. 1,852,884; Apr. 5.
Clipper, Hair. A. M. Lutes. 1,839,924; Jan. 5.
Clipper, Hand. L. J. Wahl. 1,881,917; June 7.
Clipper, Hand operated hair. J. Oster and O. E. Lackner. 1,875,125; Aug. 30.
Clipper regulation, Electromagnetic. L. J. Wahl. 1,891,486; Dec. 20.
Clipper, Tapered tooth. M. F. MaRean. 1,882,155; Oct. 11.
Clippers, Hair. M. Andis. 1,861,043; May 31.
Clock. W. Bartlikoski. 1,891,967; Dec. 27.
Clock. E. L. Carlson. Des. 87,561; Aug. 16.
Clock. E. L. Carlson. 1,880,790; Oct. 4.
Clock. G. Constino. 1,846,950; Feb. 23.
Clock. W. J. Herschede, W. Eberhardt, and A. Hellmuth. 1,868,941; July 26.
Clock. W. D. Johnson. 1,891,281; Dec. 20.
Clock. J. F. Langbein. 1,887,356; Nov. 8.
Clock. C. A. Parker. 1,851,982; Apr. 5.
Clock. A. F. Poole. 1,891,460; Jan. 26.
Clock. M. Schlenker. Des. 87,597; Aug. 16.
Clock. M. Weil. 1,847,800; Mar. 1.
Clock, Advertising. C. B. Cox. 1,878,683; Sept. 20.
Clock, Advertising. H. H. Jackson. 1,879,619; Sept. 27.
Clock, Advertising. S. A. Marples. 1,876,997; Sept. 13.
Clock, Advertising. A. D. Willcox. 1,891,204; Aug. 9.
Clock, Advertising. G. Willens. 1,846,929; Feb. 23.
Clock, Advertising. G. Willens. 1,852,869; Apr. 5.
Clock, Advertising. G. Willens. 1,883,004; Nov. 22.
Clock, Alarm. R. O. Ferguson. 1,892,337; Dec. 27.
Clock, Alarm. M. Schlenker. 1,858,563; May 17.
Clock and barber's pole, Combination. H. J. Lewis. 1,875,949; Aug. 30.
Clock and base therefor, Combined alarm. F. Lux. Des. 88,243; Nov. 8.
Clock and burglar alarm, Combined. J. M. Cody and J. E. Rhodes. 1,865,743; July 5.
Clock and lamp stand, Combined. L. Williams. Des. 86,583; Mar. 22.
Clock and radio case, Combined. W. F. Cox. Des. 88,406; Nov. 29.
Clock and sign, Combination. G. Willens. 1,846,928; Feb. 23.
Clock, Automatic. A. Norum. 1,852,474; Apr. 5.
Clock, Automobile. R. H. Matthiessen. 1,841,750; Jan. 19.
Clock, Automobile. R. Watson. 1,848,810; Mar. 8.
Clock case. F. J. Abel. Des. 87,248; June 28.
Clock case. F. J. Abel. Des. 87,250–96; July 5.
Clock case. F. J. Abel. Des. 87,950; Oct. 11.
Clock case. F. J. Abel. Des. 88,139; Nov. 1.
Clock case. W. F. Bisley. Des. 86,609; Apr. 5.
Clock case. P. Buhrle. Des. 88,141; Nov. 1.
Clock case. M. F. Cartoun. Des. 87,430; July 26.
Clock case. H. Dreyfuss. Des. 85,916; Jan. 5.
Clock case. G. Genaille. Des. 87,149; June 14.
Clock case. G. R. Kraber. Des. 86,317–19; Feb. 23.
Clock case. G. M. Long. Des. 86,172; Feb. 9.
Clock case. R. W. McLaughlin. Des. 86,014; Jan. 19.
Clock case. B. E. Mills. Des. 86,733; Apr. 12.
Clock case. J. Porel. Des. 86,055–7; Jan. 19.
Clock case. H. C. Richardson. Des. 86,474; Mar. 8.
Clock case. A. H. Schick and R. P. Kraatz. Des. 87,132; June 7.
Clock case. G. H. Stephens. Des. 86,546; Mar. 15.
Clock case. G. H. Stephens. Des. 86,897; May 3.
Clock case. G. H. Stephens. Des. 87,984; Oct. 18.
Clock case. E. M. Thomas. Des. 86,066; Jan. 19.
Clock case. P. C. Tietz. Des. 88,590; Dec. 6.
Clock case. E. Zago. Des. 85,967; Jan. 5.

Clock-case and dial, Combined. P. Lux. Des. 88,845; Dec. 27.
Clock case or similar article. H. T. Schiff. Des. 86,336–7; Feb. 23.
Clock casing construction. N. F. Thompson, jr., and O. G. Williams. 1,872,610; Aug. 16.
Clock, Chime. S. Mazur. 1,883,387; Oct. 18.
Clock controlled switch, Alarm. H. L. Adams. 1,844,736; Feb. 9.
Clock display advertising unit. A. J. Muchnick. Des. 87,166; June 14.
Clock driving mechanism. A. F. Poole. 1,884,853; Oct. 25.
Clock, Electric. J. Geisslinger. 1,839,215; Jan. 5.
Clock, Electric. W. E. Porter. 1,882,891; Oct. 18.
Clock, Electric. J. R. Putnam. 1,876,020; Sept. 6.
Clock, Electric. L. J. Stern. 1,860,120; May 24.
Clock, Electric. R. H. Wilmeth. 1,872,377; Aug. 16.
Clock, Electric alarm. L. A. Lindsey. 1,841,746; Jan. 19.
Clock, Electric re-winder. A. F. Poole. 1,861,228; May 31.
Clock, Electrical advertisement. F. Schneider. 1,879,915; Sept. 27.
Clock, Electrically wound. H. Junghans. 1,891,282; Dec. 20.
Clock face. A. Elkonin. Des. 88,638; Dec. 13.
Clock face. G. Genaille. Des. 87,003–4; May 24.
Clock face and hand. B. R. Fewell. 1,851,824; Mar. 29.
Clock frame. K. E. Berno. Des. 88,496; Dec. 6.
Clock, Illuminated. A. Bulova. 1,887,479; Nov. 8.
Clock, Illuminated. R. Wagner. 1,851,683; Mar. 29.
Clock, Imitation hour glass. H. Dreyfuss. 1,877,732; Sept. 13.
Clock, Master. C. E. Larrabee. 1,878,931; Sept. 20.
Clock mechanism. W. H. Greenleaf. 1,874,967; Aug. 30.
Clock mechanism. S. Prenszner. 1,874,348; Aug. 30.
Clock movement. R. J. Jacquard. 1,850,014; Mar. 15.
Clock, Nickel. E. L. Carlson and J. O. Simpson. 1,860,353; May 31.
Clock, Printing pay roll. J. W. Bryce. 1,866,997; July 12.
Clock, Program. D. D. Snow. 1,884,322; Oct. 25.
Clock regulation, Radio. C. A. Sprague. 1,869,175; July 26.
Clock, Reminder. E. Grossman. 1,887,303; Nov. 8.
Clock, Saving. C. Schuler. 1,840,260; Jan. 5.
Clock, Self-winding. C. Reinel. 1,882,192; Oct. 11.
Clock setting mechanism. W. H. Greenleaf. 1,848,562; Mar. 8.
Clock, Short timing. G. R. Holmes. 1,873,408; Aug. 23.
Clock stand, Alarm. E. R. Tillbrook. Des. 87,090; May 31.
Clock, Synchronizing. J. W. Bryce. 1,875,800; Sept. 6.
Clock, Synchronous-motor electric audible signal. A. VanVeen. 1,883,162; Oct. 18.
Clock system and secondary clocks therefor, Synchronized. F. Thomas. 1,887,221; Nov. 8.
Clock system, Electric. S. Kellien. 1,884,723; Oct. 25.
Clock system, Electric. S. Kellien. 1,886,107; Nov. 1.
Clock system, Electrical. M. H. Shoenberg. 1,847,313; Mar. 1.
Clock system, Pneumatic. M. Fischer. 1,858,955; May 17.
Clock system, Synchronizing. J. W. Bryce. 1,875,801; Sept. 6.
Clock, thermometer and thermostat, Combined. J. W. Gosling. Des. 88,082; Oct. 25.
Clock with ringing mechanism. A. H. Miller. 1,856,496; May 3.
Clockworks, Regulating device for. W. A. Dubois. 1,859,866; May 24.
Clocks, Automatic synchronizing mechanism for chime. C. J. Lentz. 1,874,316; Aug. 30.
Clocks, Motor control mechanism for electric. A. W. Fowler. 1,839,473; Jan. 5.
Clod cutter. K. Boere. 1,887,796; Nov. 15.
Cloister, Burial. U. J. Smith. Des. 86,585; Mar. 22.
Closet; *See*—
Sanitary closet. Water closet.
Sanitary dry closet.
Closet. E. L. Jackson. 1,848,784; Mar. 8.
Closet and table, Combined. E. S. Bolles. 1,883,504; Oct. 18.
Closet attachment, Sanitary water. F. Guidetti and G. Bocciardo. 1,866,930; July 12.
Closet flushing device. C. W. Brown. 1,873,181; Aug. 23.
Closet seat, Water. T. Grillo and P. Mongillo. 1,856,159; May 3.
Closing and sealing an opening in a metal container. F. W. Sample. 1,887,435; Nov. 8.
Closing clip. E. O. Frederics. 1,873,378; Aug. 23.
Closing device for bag filling machines. W. R. Peterson. 1,864,550; June 28.
Closing device for collar buttons. K. Kleiber. 1,879,903; Sept. 27.
Closing device for large openings which are essentially horizontal and are made watertight in all parts. A. A. Huguenin. 1,868,575; July 26.
Closing device for organism culture vessels. G. Kapsenberg. 1,861,121; May 31.
Closing means for safe doors. C. K. Jackson. 1,881,193; Oct. 4.
Closing mechanism for railroad car doors. L. Renaud. 1,844,978; Feb. 16.
Closure. W. M. Brooks. 1,840,021; Jan. 5.
Closure. L. R. N. Carvalho. 1,879,082; Sept. 27.
Closure. A. Karper. 1,878,406; Sept. 20.
Closure. E. O. Loeber. 1,884,769; Oct. 25.
Closure. H. M. Mathieu de Boissac. 1,858,163; May 10.
Closure. R. F. Perkins. 1,878,599; Sept. 20.
Closure. J. S. Reid. 1,855,649; Apr. 26.
Closure. J. S. Reid. 1,860,721; May 31.
Closure. J. S. Reid. 1,866,818; July 12.
Closure. F. G. Thwaite. 1,870,973; Aug. 9.
Closure. C. A. Zarobsky. 1,875,906–7; Sept. 6.
Closure and gauge structure. P. J. Machonis. 1,864,138; June 21.
Closure and holding means, Crank case. C. B. Jahnke. 1,847,651; Mar. 1.
Closure and interior facing therefor. A. H. Warth. 1,857,637; July 19.
Closure applying machine. H. A. Gustafson. 1,839,918; Jan. 5.
Closure assembly for vehicle radiators. E. S. MacPherson. 1,876,710; Sept. 13.
Closure, Bottle. B. C. Campbell and C. C. Wing. 1,845,235; Feb. 16.
Closure cap. C. M. Jones. 1,877,882; Sept. 20.
Closure cap. E. Scofield. 1,852,995; Oct. 18.
Closure cap for tumblers, jars, and other receptacles. H. Ingram. 1,869,938; Aug. 2.
Closure cap, Friction. N. N. Holland. 1,858,826; May 17.
Closure cap, Friction. E. Scofield. 1,852,996; Oct. 18.
Closure check. J. J. Bauman. 1,851,344; Mar. 29.
Closure, Collapsible tube. L. R. Ingham. 1,891,596; Dec. 20.
Closure, Collapsible tube. H. C. Keebler. 1,860,318; May 24.
Closure, Collapsible tube. R. L. McNutt. 1,855,979; Apr. 26.
Closure, Combined bezel and casing. H. Sochard. 1,850,247; Mar. 22.
Closure construction. J. C. Fuller. 1,868,821; July 26.
Closure construction for metallic containers. C. H. Jones. 1,875,428; Sept. 6.
Closure, Container. H. M. Bowman and R. W. Fentress. 1,875,325; Sept. 6.
Closure, Container. H. M. Nicholls. 1,884,813; Oct. 25.
Closure, Convertible. F. Bokan. 1,860,648; May 31.
Closure device. T. M. Hahn and K. Schneider. 1,840,194; Jan. 5.
Closure device. D. Marinsky. 1,887,940; Nov. 15.
Closure device. C. G. Naylor. 1,841,974; Jan. 19.
Closure, Dispensing. J. L. Card. 1,869,049; July 26.
Closure fastener. W. Ellis. 1,841,187; Jan. 12.
Closure fastener. S. Madsen. 1,889,753; Dec. 6.
Closure fastener for casement windows. T. Johnson. 1,841,186; Jan. 12.
Closure, Flexible. J. B. Freysinger. 1,860,808; May 31.
Closure for apertured receptacles. P. E. Diederich. 1,846,587; Feb. 23.
Closure for apertured receptacles. W. A. Healy. 1,843,128; Feb. 2.
Closure for bottles, jars, and other containers. H. D. Jackson and F. White. 1,863,796; June 21.
Closure for bottles, jars, and the like. C. B. Garwood. 1,842,261; Jan. 19.
Closure for bottles, receptacles and the like, Drop. W. Voss. 1,890,347; Dec. 6.
Closure for buildings. O. C. Johnson. 1,841,185; Jan. 12.
Closure for cans, Dispensing. W. F. Punte. 1,890,194; Dec. 6.
Closure for cigarette and similar packages. M. Alland. 1,862,518; June 14.
Closure for collapsible tubes. L. J. Campbell. 1,865,233; June 28.
Closure for collapsible tubes. F. B. Cooney. 1,854,451; Apr. 19.
Closure for collapsible tubes. P. Sicault. 1,867,182; July 12.
Closure for collapsible tubes and the like. W. W. Hazlett, C. Z. First, and M. R. Goodman. 1,891,280; Dec. 20.
Closure for collapsible tubes, Dispensing. F. F. B. Chapman. 1,843,707; Feb. 2.
Closure for conduits. O. H. Williams. 1,851,939; Mar. 29.
Closure for conduits and the like. O. H. Williams. 1,851,940; Mar. 29.
Closure for containers. C. S. Baron. 1,865,737; July 5.
Closure for containers. H. S. Brady and J. J. Williams. 1,859,495; May 24.
Closure for containers. M. H. McMann. 1,857,853; May 10.
Closure for containers. A. E. Sierad. 1,843,699; Feb. 2.
Closure for containers. M. C. Teague. 1,872,046; Aug. 16.
Closure for containers. F. Wiese. 1,856,201; May 3.
Closure for containers and receptacles. H. Van Arsdale. 1,851,031; Dec. 15.
Closure for containers or receptacles for materials in a liquid or paste-like state. C. Aparicio y Elizalde. 1,866,635; July 12.
Closure for flexible tubes. O. Smith. 1,850,606; Mar. 22.
Closure for fruit jars. H. B. Burns. 1,850,919; Mar. 22.
Closure for garments and other purposes. W. C. Avedon. Re18,571; Aug. 23.
Closure for jars. L. T. Crabbe. 1,849,976; Mar. 15.
Closure for jars and the like. E. J. Prime. 1,890,885; Dec. 13.
Closure for liquid containers, Valved. A. W. Piper. 1,839,585; Jan. 5.

Closure for portable receptacles, Automatic. M. S. Young and A. Novick. 1,844,085; Feb. 9.
Closure for rigid or non-collapsible metal containers. E. Schwidler. 1,879,914; Sept. 27.
Closure for tank apertures. V. C. Norquist. 1,865,538; July 5.
Closure for tanks. O. B. Welker. 1,892,297; Dec. 27.
Closure for the domes of tank cars. D. B. Young. 1,844,001; Feb. 9.
Closure, Heat responsive. H. Rackebrandt. 1,868,253; July 19.
Closure, Jar. L. T. Crabbe. 1,885,687; Nov. 1.
Closure lock. R. E. Dawes. 1,862,257; June 7.
Closure, Lockable. E. E. Mallett. 1,842,992; Jan. 26.
Closure, Manhole. J. P. Keating. 1,859,739; May 24.
Closure means for collapsible tubes. J. G. Gordon. 1,891,623; Sept. 13.
Closure means for cylinders and the like. E. E. Greve. 1,888,459; Nov. 22.
Closure means for universal joints. F. H. Ragan. 1,854,667; Apr. 19.
Closure, Milk bottle. W. A. Schollmeyer. 1,884,883; Oct. 25.
Closure operating device. P. M. Griffin. 1,868,599; July 26.
Closure operating device, Toilet. L. C. Thrasher. 1,877,083; Sept. 13.
Closure operating means. J. Fantaci. 1,848,942; Mar. 8.
Closure operating mechanism. T. Brady. 1,866,392; July 5.
Closure operating mechanism. T. Brady. 1,892,420; Dec. 27.
Closure operating mechanism. E. L. Dunn. 1,860,333; May 24.
Closure operator. J. T. Conway. 1,874,903; Aug. 30.
Closure operator. G. F. Drake. 1,846,514; Feb. 23.
Closure operator. E. Gilkey. 1,873,381; Aug. 23.
Closure operator and lock. A. H. Schaffert. 1,879,994; Sept. 27.
Closure or cap for collapsible tubes. C. P. Murdoch. 1,880,103; Sept. 27.
Closure or lock for weirs, sluice gates, and the like, Emergency. G. Friedel. 1,858,664; May 17.
Closure or similar article. J. S. B. Smith. Des. 86,280; Feb. 16.
Closure organization for collapsible tubes and like containers. W. H. Thorne. 1,862,555; June 14.
Closure, Pipe. R. M. Wilson. 1,841,511; Jan. 19.
Closure plug for bearings. L. C. Houston. 1,883,916; Oct. 25.
Closure securing means. E. H. Wittenberg. 1,887,611; Nov. 15.
Closure, Self tightening container. C. H. Egan and B. Dewey. 1,876,450; Sept. 6.
Closure, Slide. E. Price. 1,841,381; Jan. 19.
Closure strip. R. D. Fitzgerald. 1,877,448; Sept. 13.
Closure structure for tubes or the like. S. M. Weaver. 1,871,640; Aug. 16.
Closure, Taxi cab door. H. C. Bowen. 1,855,043; Apr. 19.
Closure unit and gas trap control system, Sliding. W. McGraw and R. Woodward. 1,863,759; June 21.
Closure, Valve. D. M. Gunn. 1,879,205; Sept. 27.
Closures. Assembling receptacle. J. A. Johnson. 1,875,010; Aug. 30.
Closures for collapsible tubes. C. V. Hickman and R. L. Jeffery. 1,890,441; Dec. 6.
Closures for jars, bottles, and similar receptacles. F. J. Fiess. 1,848,772; Mar. 8.
Closures for radiator necks and the like. M. B. Andrie. 1,839,845; Dec. 6.
Closures in bag tubes, Method of and apparatus for forming. J. P. Aldrich. 1,882,696; Oct. 18.
Closures, Making friction. J. M. Hothersall. 1,884,699; Oct. 25.
Closures, Operating means for. T. L. Diggins. 1,863,923; June 21.
Closures to glass containers, Applying. C. Hotchkiss. 1,844,936; Feb. 16.
Cloth, Acoustic girdle. A. T. Abbott. 1,878,570; Sept. 20.
Cloth and making the same, Polishing. F. L. Porte. 1,850,413; Mar. 22.
Cloth and producing same, Decorative rubberized. J. Stein. 1,856,595; May 3.
Cloth board. D. R. Price. 1,866,330; July 5.
Cloth clamp. H. W. Butterworth, jr. 1,840,486; Jan. 12.
Cloth clamp. H. W. Butterworth, jr., and A. H. Holt. 1,880,776; Oct. 4.
Cloth, Cleaning and polishing. F. A. Daly. 1,882,179; Oct. 11.
Cloth, Controlling speed of and expanding. W. J. Koch. 1,886,212; Nov. 1.
Cloth, Controlling speed of and expanding. J. E. Peterson. 1,845,003; Feb. 16.
Cloth cutting machine. W. Bangser. 1,846,019–20; Feb. 23.
Cloth cutting machine. J. Bloch and A. G. Wazner. 1,886,077; Nov. 1.
Cloth cutting machine. O. I. Judelshon. 1,892,058; Dec. 27.
Cloth doubling machine. J. Monforts and F. Wirtz. 1,865,945; July 5.
Cloth-finishing. S. L. Cluett. 1,861,423–4; May 31.
Cloth for bags and the like, Tubing. P. E. Morrill and C. V. Brady. 1,860,392; May 31.
Cloth laying machine. S. M. Bloch. 1,841,703; Jan. 19.
Cloth laying machine. A. L. Cutter. 1,866,088; July 5.
Cloth matching and measuring machine. M. E. Popkin. 1,886,902; Nov. 8.
Cloth, Method and apparatus for finishing. R. De Hope and H. Ruegg. 1,873,635; Aug. 23.
Cloth, Method of and apparatus for drying. G. W. Lane. 1,886,020; Nov. 1.
Cloth package and producing the same. H. T. Marshall. 1,860,812; May 31.
Cloth products, Terry. A. W. Baylis. 1,847,807; Mar. 1.
Cloth, Renewable surface dust. T. A. Green. 1,852,114; Apr. 5.
Cloth shearing machine. G. H. Mason. 1,841,832; Jan. 19.
Clothes assembling rack. M. J. Buckley. 1,856,239; May 3.
Clothes clamp. J. E. Gottschall. 1,879,192; Sept. 27.
Clothes drier. C. W. Morden. 1,861,871; June 7.
Clothes drier. H. A. Sniveley. 1,867,388; July 12.
Clothes drier. G. R. Wheeler. 1,862,944; June 14.
Clothes drier, Cold air. H. M. Reed and L. H. Salling. 1,855,312; Apr. 26.
Clothes drier, Indoor. R. B. Budin. 1,846,085; Feb. 23.
Clothes drying machine, Hot or cold air home. T. Principessa and J. De Cosimo. 1,866,987; July 12.
Clothes drying rack. S. A. Slauson. 1,839,607; Jan. 5.
Clothes hanger. G. Cicconi. 1,890,046; Dec. 6.
Clothes hanger. J. H. Collier. 1,843,207; Feb. 2.
Clothes hanger. S. C. Hall. 1,883,283; Nov. 1.
Clothes hanger. P. L. Lazarus. 1,863,664; June 21.
Clothes hanger. W. C. Stevens. 1,849,118; Mar. 15.
Clothes hanger. C. Zuckermann. 1,842,498; Jan. 26.
Clothes, Hanging. A. R. Rasmussen. 1,864,028; June 21.
Clothes hanging device. C. Nelson. 1,861,282; May 31.
Clothesline. A. W. Peterson. 1,844,228; Feb. 9.
Clothesline cleaner. A. B. Smith. 1,859,306; May 24.
Clothesline elevating device. F. Menninghaus. 1,845,885; Feb. 16.
Clothesline, Pinless. D. Eldridge. 1,882,126; Oct. 11.
Clothesline protecting device. R. Sonntag. 1,888,745; Nov. 22.
Clothesline reel. C. B. Johnson. 1,892,276; Dec. 27.
Clothespin. R. L. Ball. 1,863,588; June 21.
Clothespin. J. C. Battige. 1,848,512; Mar. 8.
Clothespin. S. Bower. 1,874,871; Aug. 30.
Clothespin. D. H. Collier. 1,868,726; July 26.
Clothespin. J. H. Crawford. 1,855,225; Apr. 26.
Clothespin. J. R. Harvey. 1,845,268; Feb. 16.
Clothespin. L. H. Fray. Des. 86,484; Mar. 1.
Clothespin. E. H. Stanton. 1,892,018; Dec. 27.
Clothespin. W. Vetter. 1,855,655; Apr. 26.
Clothes rack. A. E. Berton. 1,887,617; May 10.
Clothes rack. W. A. Coventry. 1,848,937; Mar. 8.
Clothes rack. M. M. Meadows. 1,888,538; Nov. 22.
Clothes rack. J. Wilmurro. 1,853,631; Apr. 5.
Clothes scrubbing device. I. W. Strahan. 1,891,120; Dec. 13.
Clothes stick. R. L. Freeman. Des. 87,389; July 19.
Clothes washer. M. T. Kelley. 1,874,048; Aug. 30.
Clothes washing device. C. W. Ball. 1,879,018; Sept. 27.
Clothes washing device. H. Phillips. 1,864,467; June 21.
Clothes wringer. C. Roberts. 1,841,057; Jan. 12.
Clothing. J. K. Heyman. 1,839,675; Jan. 5.
Clothing bag. V. S. Poulson. 1,879,478; Sept. 27.
Clothing, Bed. E. McGrevey. 1,865,329; June 28.
Clothing, Protective. R. Rzeminiecki. 1,853,460; Apr. 12.
Club and firearm, Combined. R. F. Sedgley. 1,858,601; May 17.
Cluster for ring or pendant. M. W. Stern. Des. 87,691; Aug. 30.
Clutch. A. W. Altofer. 1,852,552; Apr. 5.
Clutch. R. Beringer. 1,875,696; Sept. 6.
Clutch. F. C. Biggert, jr. 1,846,179; Feb. 23.
Clutch. P. Bignand. 1,882,951; June 14.
Clutch. J. W. Bishop. 1,876,226; Sept. 6.
Clutch. L. A. Bixby. 1,874,229; Aug. 30.
Clutch. Z. C. Bradford. 1,883,872; Oct. 25.
Clutch. A. Calisen. 1,855,937; Apr. 26.
Clutch. O. E. Clark. 1,844,272; Feb. 9.
Clutch. W. Coughtry. 1,872,250; Aug. 16.
Clutch. A. Y. Dodge. 1,874,920; Aug. 30.
Clutch. G. W. Doyle. 1,872,910; Aug. 23.
Clutch. T. L. Fawick. 1,847,554; Mar. 1.
Clutch. W. Ferris. 1,864,126; June 21.
Clutch. J. O. Fink. 1,874,268; Aug. 30.
Clutch. L. T. Futscher. 1,859,963; May 24.
Clutch. C. A. Johnson. 1,845,667; Feb. 16.
Clutch. F. H. Jones. 1,886,193; Nov. 1.
Clutch. D. Lake. 1,853,908; Apr. 12.
Clutch. G. S. Lane. 1,872,986; Aug. 23.
Clutch. D. W. Lloyd, jr. 1,850,176; Mar. 22.
Clutch. J. D. McEwen. 1,887,377; Nov. 8.
Clutch. S. E. Morral. 1,887,776; Nov. 15.
Clutch. J. Mosher and G. N. Van Derhoef. 1,883,394; Oct. 18.
Clutch. J. Nelson. 1,889,998; Dec. 6.
Clutch. C. R. Paton and W. S. James. 1,881,127; Oct. 4.
Clutch. W. J. Pearmain. 1,869,982; Aug. 2.
Clutch. C. L. Pfeiffer. 1,866,128; July 5.
Clutch. J. D. Rauch. 1,873,479; Aug. 23.
Clutch. A. Renshaw. 1,887,467; Nov. 8.
Clutch. F. F. Russell. 1,874,358; Aug. 30.
Clutch. E. W. Seabolm. 1,874,366; Aug. 30

Clutch. F. O. Snow, jr. 1,879,559; Sept. 27.
Clutch. G. W. Swift. 1,874,681; Aug. 30.
Clutch. E. E. Wemp. 1,861,251; May 31.
Clutch. E. E. Wemp. 1,886,323; Nov. 1.
Clutch. A. Winther. 1,849,212; Mar. 15.
Clutch, Accelerating. L. W. Rawson. 1,870,648; Aug. 9.
Clutch actuating means. S. B. Haseltine. 1,882,839; Oct. 18.
Clutch adjustment. T. L. Fawick. 1,869,097; July 26.
Clutch and brake control, Automatic. V. H. Medlock. 1,859,569; Nov. 8.
Clutch and transmission mechanism. M. J. Goldberg. 1,877,297; Sept. 13.
Clutch and motor construction. F. S. Kingston. 1,853,864; Apr. 12.
Clutch and speed adjusting mechanism, Combined. L. W. Thompson. 1,844,703; Feb. 9.
Clutch and switch, Centrifugal. W. A. Chryst. 1,842,820; Jan. 26.
Clutch and transmission control, Integral. E. O. Brace. 1,861,108; May 31.
Clutch and transmission mechanism. J. B. Bennett. 1,856,457; May 3.
Clutch, Antireverse safety. D. T. Brownlee. 1,855,936; Apr. 26.
Clutch, Antireverse safety. W. C. Starkey. 1,845,684; Feb. 16.
Clutch, Antireverse safety. W. C. Starkey and D. T. Brownlee. 1,843,145; Feb. 2.
Clutch apparatus. E. Allbert. 1,847,032; Feb. 23.
Clutch, Automatic. O. H. Banker. 1,851,146; Mar. 29.
Clutch, Automatic. O. H. Banker. 1,861,830; June 7.
Clutch, Automatic. K. E. Lyman. 1,865,772; July 5.
Clutch, Automatic. C. L. Putney. 1,881,941; Oct. 11.
Clutch, Ball or roller. W. Miller and H. T. Lamb. 1,851,062; May 10.
Clutch brake. J. W. Menball. 1,865,129; June 28.
Clutch brake. D. H. Spira. 1,853,157; Apr. 12.
Clutch, Centrifugal. C. A. Grunstedt. 1,882,418; Oct. 11.
Clutch, Centrifugal. J. D. Karle. 1,859,334; May 24.
Clutch, Centrifugal. L. W. Rawson. 1,870,647; Aug. 9.
Clutch, Centrifugal. L. W. Rawson. 1,870,649; Aug. 9.
Clutch, Centrifugal force fluid pressure. F. Götz. 1,857,016; May 3.
Clutch, Centrifugal friction. E. C. Damrow. 1,870,494–5; Aug. 9.
Clutch, Centrifugal friction. K. A. and E. H. Widegren. 1,887,040; Nov. 15.
Clutch collar. A. W. Aitken. 1,858,947; May 17.
Clutch, Combined manually and automatically operated. C. A. Christos, jr. 1,855,624; Apr. 26.
Clutch, Constant mesh gear transmission. R. T. Wise. 1,868,040; July 19.
Clutch construction. J. J. Martin. 1,865,936; July 5.
Clutch construction for automotive vehicles. E. E. Wemp. 1,861,253; May 31.
Clutch construction for pressing machines. J. P. Daly. 1,850,260; Mar. 22.
Clutch control. G. H. and H. A. Decker. 1,880,866; Oct. 4.
Clutch control. H. H. Valpey. 1,889,186; Nov. 29.
Clutch control for stapling machines. J. J. Goellner. 1,851,170; Mar. 29.
Clutch control mechanism. F. W. Blanchard. 1,880,721; Oct. 4.
Clutch control mechanism, Hoist. C. W. Hottman, jr. 1,850,407; Nov. 1.
Clutch control structure. G. L. Russell. 1,855,458; Apr. 26.
Clutch controlling mechanism. H. J. D. and J. H. K. McCollum. 1,890,398; Dec. 6.
Clutch device. E. L. Ackerman and A. J. Zwierzina. 1,849,902; Mar. 15.
Clutch device. A. Levedahl. 1,881,728; Oct. 11.
Clutch device. R. Sheldrick and L. Heap. 1,840,682; Jan. 12.
Clutch-device for wire-stitching and stapling machines or like apparatus. A. H. Maynard. 1,868,536; July 26.
Clutch device, Friction. H. E. Merritt. 1,846,745; Feb. 23.
Clutch device, Spring. W. C. Pitter. 1,870,646; Aug. 9.
Clutch, Disk. L. A. Bixby. 1,863,189; June 14.
Clutch disk. G. L. McCain and K. Pfeiffer. 1,864,252; June 21.
Clutch disk. G. L. McCain and K. Pfeiffer. 1,865,327; June 28.
Clutch, Disk. A. L. Vargha. 1,862,991; June 14.
Clutch, Double acting auxiliary. A. Eilersgaard. 1,871,049; Aug. 9.
Clutch drum. F. H. Gibbs. 1,851,700; Mar. 29.
Clutch, Electric motor starting. K. Obermoser. 1,868,245; July 19.
Clutch, Electromagnetic. J. Cotal. 1,871,960; Aug. 16.
Clutch, Electromagnetic. H. E. Hodgson. 1,856,481; May 3.
Clutch, Electromagnetic. H. E. Hodgson. 1,891,982; Dec. 27.
Clutch, Expanding. A. Y. Dodge. 1,872,690; Aug. 23.
Clutch, Fluid. J. A. Worden. 1,869,449; Aug. 2.
Clutch for backfillers. H. E. Swanson. 1,848,397; Mar. 8.
Clutch for motors, Centrifugal. L. M. Persons. 1,863,382; June 14.
Clutch for motor drive on cameras. Automatic release. A. G. Wise and J. Arnold. 1,876,267; Sept. 6.
Clutch for sound reproducing machines, Friction. C. W. Ebeling. 1,839,302; Jan. 5.
Clutch for the transmission of power, Friction. E. H. J. C. Gillett. 1,882,806; Oct. 18.
Clutch for track laying tractors, Driving. J. S. Franco. 1,880,344; Oct. 4.
Clutch for transmission mechanisms, Synchronizing. L. J. Campbell. 1,880,784; Oct. 4.
Clutch, Free wheel or ratchet. C. Dalton. 1,867,938; July 19.
Clutch, Friction. H. D. Church. 1,872,027; Aug. 16.
Clutch, Friction. A. A. Conway. Re18,317; Jan. 5.
Clutch, Friction. W. S. Davenport. 1,885,236; Nov. 1.
Clutch, Friction. M. Kasun. 1,858,094; May 10.
Clutch, Friction. T. L. Fawick. 1,847,389; Mar. 1.
Clutch, Friction. D. E. Gamble. 1,839,959; Jan. 5.
Clutch, Friction. D. E. Gamble. 1,883,882; Oct. 18.
Clutch, Friction. H. A. Gehres and H. F. Shepherd. 1,887,635; Nov. 15.
Clutch, Friction. E. H. J. C. Gillett. 1,841,284; Jan. 12.
Clutch, Friction. W. F. Hughes. 1,848,887; Mar. 8.
Clutch, Friction. J. J. Morris. 1,886,294; Nov. 1.
Clutch, Friction. H. W. Nieman. 1,856,135; May 3.
Clutch, Friction. J. Pirinoli. 1,889,291; Nov. 29.
Clutch, Friction. H. V. Reed. 1,839,590; Jan. 5.
Clutch, Friction. H. V. Reed. 1,882,897–8; Oct. 18.
Clutch, Friction. H. V. Reed. 1,889,698; Nov. 29.
Clutch, Friction. C. J. Rood. 1,844,337; Feb. 9.
Clutch, Friction. J. A. White. 1,880,616; Oct. 4.
Clutch, Frictional plate. F. O. L. Chorlton. 1,861,080; May 31.
Clutch, Hydraulic. J. Dauster. 1,883,601; Oct. 18.
Clutch, Hydraulic. A. Easterstadt. 1,883,685; Oct. 18.
Clutch, Hydraulic. A. Geliert. 1,883,365; Oct. 18.
Clutch, Hydraulic. M. B. Jackson. 1,866,891; July 12.
Clutch, Hydraulic. N. V. Thomas. 1,869,066; July 5.
Clutch, Hydraulic. G. H. Walker. 1,873,688; Aug. 23.
Clutch, Hydraulically operated. J. E. Bower. 1,880,748; Oct. 4.
Clutch, Intermittent. W. C. Pitter. 1,873,633; Aug. 23.
Clutch lock. C. N. Fairchild. 1,843,114; Feb. 2.
Clutch means for hand brakes. H. J. Lounsbury. 1,884,016; Oct. 25.
Clutch means for locating impellers in pump bowls. J. A. Wirebrath. 1,844,852; Feb. 9.
Clutch mechanism. E. L. Ackerman and A. J. Zwierzina. 1,867,643; July 19.
Clutch mechanism. E. L. Ackerman and A. J. Zwierzina. 1,874,215; Aug. 30.
Clutch mechanism. J. R. Atkinson, R. Goodell, and J. K. Stege. 1,841,392; Jan. 19.
Clutch mechanism. A. C. Johnson. 1,878,523; Sept. 20.
Clutch mechanism. C. R. Libby. 1,841,613; Jan. 19.
Clutch mechanism. W. C. Pitter. 1,870,644; Aug. 9.
Clutch mechanism. C. W. Ross. 1,877,694; Sept. 13.
Clutch mechanism. W. H. Schoonmaker. 1,866,270; July 5.
Clutch mechanism, Automatic. J. M. Denney. 1,850,996; Mar. 29.
Clutch mechanism for motor vehicles. L. Salves. 1,853,290; Apr. 12.
Clutch mechanism for planetary gearing. D. E. Ross. 1,891,182; Dec. 13.
Clutch mechanism for reeling apparatus, One-way. W. C. Readeker and E. H. Omara. 1,861,584; June 7.
Clutch mechanism for synchronizing transmission. R. Berliger. 1,849,021; Mar. 8.
Clutch mechanism for transmissions. E. A. Thompson. 1,854,281; Apr. 19.
Clutch mechanism for use in hoisting and load-carrying machine, Free wheel. M. D. Scott. 1,885,771; Nov. 1.
Clutch mechanism, Friction. J. H. Prettyman. 1,859,600; May 24.
Clutch mechanism, Rotary. W. C. Pitter. 1,870,645; Aug. 9.
Clutch motor. R. A. McCarty. 1,855,720; Apr. 26.
Clutch, Multiple disk. L. A. Bixby. 1,886,865; Nov. 8.
Clutch, Multiple disk. C. A. Ruesenberg. 1,848,843; Mar. 8.
Clutch, Multiple disk. C. B. Spase. 1,856,735; May 3.
Clutch, Nonrepeating. P. R. Hahnemann. 1,853,766; Apr. 12.
Clutch operating device for motor vehicles. E. G. Hill and H. W. Hey. 1,881,188; Oct. 4.
Clutch operating mechanism. A. Dina. 1,869,887; Aug. 2.
Clutch operating mechanism. A. Eilersgaard. 1,866,093; July 5.
Clutch operating mechanism. M. Tibbetts. 1,860,636; May 31.
Clutch or brake band. R. J. Traupman. 1,840,337; Jan. 12.
Clutch or brake lining. W. S. Hadley. 1,860,147; May 24.
Clutch, Overload. E. V. Johnson. 1,881,633; Oct. 11.
Clutch, Overrunning. A. S. Baldwin. 1,867,302; July 12.
Clutch, Overrunning. F. R. Krause. 1,883,966; Oct. 25.
Clutch, Over-running. J. H. Tromanhauser. 1,849,389; Mar. 15.
Clutch, Overrunning. J. H. Tromanhauser. 1,861,486; June 7.
Clutch plate. H. V. Reed. 1,868,764; July 26.
Clutch plate. G. S. Salzman. 1,868,543; July 26.
Clutch plate. C. B. Spase. 1,858,312; May 17.

Clutch, Pneumatic. C. A. Houseman. 1,840,099; Jan. 5.
Clutch, Positive drive. T. B. Tyler. Re18,319; Jan. 5.
Clutch quieting means. H. D. Else. 1,843,712; Feb. 2.
Clutch quieting means. H. D. Else and C. R. Libby. 1,873,561; Aug. 23.
Clutch quieting means. G. A. Leyner. 1,841,612; Jan. 19.
Clutch, Roller. H. H. Robbins. 1,855,690; Apr. 26.
Clutch, Selective ratio. A. E. Stoker. 1,864,870; June 28.
Clutch, Semicentrifugal. P. E. Matthews. 1,855,643; Apr. 26.
Clutch shifting mechanism for dynamometer cars. F. A. Fleischmann and L. Marsh. 1,863,440; June 14.
Clutch, Spring. W. C. Starkey. 1,846,696; Feb. 23.
Clutch, Stapler mechanism. J. J. Goelliner. 1,851,171; Mar. 29.
Clutch, Transmission. H. H. Berryman. 1,868,965; July 26.
Clutch transmission, Double. L. J. Campbell. 1,874,896; Aug. 30.
Clutch, Vacuum power. H. J. D. and H. K. McCollum. 1,858,999; May 17.
Clutch, Yielding. R. Chilton. 1,860,851; May 31.
Clutches and brakes, Mechanism for operating. R. G. Coates. 1,851,074; Mar. 29.
Clutches, Automatic operating device for. J. T. Dickson. 1,849,177; Mar. 15.
Clutches, Operating mechanism for motor car. R. G. Coates. 1,839,833; Jan. 5.
Clutching device. S. C. Winger. 1,878,053; Sept. 20.
Coach. Expanding. R. E. Lawhorne. 1,864,047; June 21.
Coach lock. E. S. Simpson, A. J. De Sana, and J. B. Flynn. 1,877,603; Sept. 13.
Coach, Motor. W. B. Fageol. 1,861,001; May 31.
Coal and ash to or from furnace, Apparatus for feeding pulverized. E. H. Tenney. 1,884,378; Oct. 25.
Coal and cooling coke, Preheating. P. W. Janeway, jr. 1,854,407; Apr. 19.
Coal and like cutting machine. W. Vernon and S. Thomas. 1,846,574; Feb. 23.
Coal and like material, Apparatus for carbonizing. F. C. Greene. 1,890,661; Dec. 13.
Coal and like material in ships, Device for trimming. D. Valmer. 1,868,033; July 19.
Coal and oil, Cracking. W. E. Trent. 1,842,132; Jan. 19.
Coal and other carbonaceous material in situ, Degasifying. L. Ranney. 1,867,758; July 19.
Coal and the like, Apparatus for lowering. F. Pardee, jr. 1,866,720; July 12.
Coal, Apparatus for carbonization of. J. D. McQuade. 1,881,104; Oct. 4.
Coal, Apparatus for carbonizing. F. Puening. 1,861,583; June 7.
Coal, Apparatus for coking. S. W. Parr and T. E. Layng. 1,874,344; Aug. 30.
Coal, Apparatus for fluidizing and carbonizing pulverized. I. S. Wilcoxson. 1,855,706; May 17.
Coal, Apparatus for preparing. S. D. Hartshorn. 1,859,560; May 24.
Coal breaker. W. A. Battey. 1,855,379; Apr. 26.
Coal briquette. A. Rosenwald. 1,891,450; Dec. 20.
Coal, Briquetting. F. J. and J. P. Spengler. 1,891,893; Dec. 20.
Coal briquetting machine. E. E. Jones. 1,873,596; Aug. 23.
Coal burner. C. J. Parker, C. T. Burg, and A. O. Dady. 1,844,042; Feb. 9.
Coal burning apparatus. A. Ousdahl. 1,886,577; Nov. 8.
Coal burning device, Pulverized. A. S. Gerquest. 1,875,808; Sept. 6.
Coal carbonization process, Pulverized. C. E. Lucke. 1,858,834; May 17.
Coal, Carbonizing. O. H. Hertel. 1,856,252; May 3.
Coal carbonizing power plant and method of reducing coal. O. S. Bowman. 1,858,135; May 10.
Coal cleaning air treatment method and apparatus. M. I. Dorfan. 1,870,042; Aug. 2.
Coal, coke, and the like and manufacture thereof, Binder material for. L. and F. C. Kern. 1,885,839; Nov. 1.
Coal, Converting. L. I. Yeomans. 1,846,982; Feb. 23.
Coal crushing machine. N. D. Levin. 1,867,853; July 19.
Coal cutting machine. N. D. Levin. 1,881,730; Oct. 11.
Coal cutting machine. N. D. Levin. 1,891,561; Dec. 20.
Coal cutting machine. N. D. Levin. 1,891,562; Dec. 20.
Coal distillation apparatus. E. H. Records. 1,843,174; Feb. 2.
Coal, Distillation of. J. E. Louttit and E. H. Records. 1,884,017; Oct. 25.
Coal distillation plants, Operation of. S. P. Miller. 1,849,197; Mar. 15.
Coal distributor. P. Wilkes. 1,856,981; May 3.
Coal, Dressing. K. Lehmann. 1,854,659; Apr. 19.
Coal drier. F. Pardee and F. Pardee, jr. 1,880,273; Oct. 4.
Coal drill. C. P. Bascom and C. Wolf. 1,846,177; Feb. 23.
Coal dust, Gasifying and distilling. G. Szikla and A. Rosinek. 1,869,949; Aug. 2.
Coal feeder. Pulverized. F. A. Jones and W. H. Hartman. 1,862,752; June 14.
Coal firing with subdivided flame, Pulverized. W. Kleinow. 1,852,869; Apr. 5.
Coal fractionating and oil refining. C. Owens. 1,861,355; May 31.
Coal from impurities, Separating. F. I. du Pont. 1,870,613; Aug. 9.
Coal, Handling. F. C. Broeman. 1,886,632; Nov. 8.
Coal handling plant. C. F. Bledsoe. 1,867,547; July 19.
Coal, Heat treating. C. E. Lucke. 1,883,311; Oct. 18.
Coal, Method of and apparatus for carbonizing. F. C. Greene and I. F. Laucks. 1,854,390; Apr. 19.
Coal mining apparatus. A. P. Stanley. 1,883,055; Oct. 18.
Coal or coke treated with oil. F. C. Broeman. 1,886,633; Nov. 8.
Coal, ores, and other similar material, Method for washing, and apparatus for carrying out said method. L. Hoyois. 1,846,602; Feb. 16.
Coal, Process and apparatus for drying. C. E. Lucke. 1,843,167; Feb. 2.
Coal, Separation of powdered or granular material, especially. R. Lessing. 1,850,756; Mar. 22.
Coal tar crudes, Purification of. A. O. Jaeger and L. C. Daniels. 1,841,896; Jan. 19.
Coal tar pitch, Disposal of. J. M. Weiss. 1,890,349; Dec. 6.
Coal, Combined recovery of the gaseous distillate, Distilling. E. W. King. 1,855,191; Apr. 26.
Coals, Apparatus for the carbonization of. H. F. Maurel. 1,870,523; Aug. 9.
Coals, Distilling. C. P. Dubbs. 1,868,732; July 26.
Coaster. H. L. Beach. 1,891,077; Dec. 13.
Coaster. C. B. Oulton. Des. 86,329; Feb. 23.
Coaster. R. W. Sanders. Des. 87,415; July 19.
Coaster and track therefor. H. W. Wallin. 1,852,384; Apr. 5.
Coasting device. C. Anderson. 1,851,963; Apr. 5.
Coat. D. Long. Des. 85,946; Jan. 5.
Coat. D. Long. Des. 86,728; Apr. 12.
Coat. D. Long. Des. 86,886; May 3.
Coat. D. Long. Des. 86,920; May 10.
Coat. D. Long. Des. 87,071–2; May 31.
Coat and pants hanger, Combination. P. S. Dillon. 1,848,807; Feb. 2.
Coat and trousers hanger. H. N. Ault. 1,852,391; Apr. 5.
Coat and trousers press. F. J. Barnes. 1,890,895; Dec. 13.
Coat, Barber's. I. Goldman and J. Cohen. 1,878,275; Sept. 20.
Coat hanger. I. Dukes and B. M. Zieve. 1,843,546; Feb. 2.
Coat hanger. J. Malley. 1,877,247; Sept. 13.
Coat, Lady's. M. Levitt. Des. 86,087; Jan. 26.
Coat, Lady's. M. Levitt. Des. 86,125; Feb. 2.
Coat, Lady's. M. Levitt. Des. 87,346–7; July 12.
Coat, Waterproof. B. H. Kroy. 1,868,592; July 12.
Coated article and preparing the same. W. H. Moss. 1,860,687; May 31.
Coating. H. Bengston. 1,891,703; Dec. 20.
Coating. A. W. Drobile. 1,855,387; Apr. 26.
Coating. W. H. Moss. 1,883,396; Oct. 18.
Coating and applying same to nickel, nickel alloys, and chromium-iron alloys, Protective. A. J. Marino. 1,879,701; Sept. 27.
Coating and doubling apparatus. G. W. Buchanan. 1,867,875; July 19.
Coating and heat treating. A. O. Austin. 1,876,582; Sept. 13.
Coating and machine, Method of. M. C. Meyer. 1,850,409; Mar. 22.
Coating and making same, Ornamental. A. Y. Pearl. 1,844,479; Feb. 9.
Coating and printing process and apparatus therefor. N. L. Campbell. 1,849,275; Mar. 15.
Coating and producing the same, Colored. J. Schulein. 1,858,323; Apr. 12.
Coating and product thereof. W. H. Moss. 1,857,161; May 10.
Coating apparatus. E. P. Arpin, jr. 1,880,065; Sept. 27.
Coating apparatus. C. A. Hach. 1,866,100; July 5.
Coating apparatus. E. C. Hopkins. 1,869,691; Aug. 2.
Coating apparatus. H. T. Hunter. 1,840,289; Jan. 5.
Coating apparatus. J. J. Kaufmann. 1,843,101; Jan. 19.
Coating apparatus. E. J. Ray. 1,861,666; June 7.
Coating, Apparatus for. W. J. Eisner. 1,880,078; Sept. 27.
Coating body. C. R. Rex. 1,845,339; Feb. 16.
Coating composition. A. B. Abbott. 1,866,743; July 12.
Coating composition. C. E. Burke. 1,890,769; Dec. 13.
Coating composition. J. Eisenstein. 1,852,706; Apr. 5.
Coating composition. J. Felter. 1,891,878; Dec. 20.
Coating composition. F. Groff. 1,865,628; July 5.
Coating composition and film produced thereby. W. H. Moss. 1,849,108; Mar. 15.
Coating composition and making same. G. Klinkenstein. 1,852,581; Apr. 5.
Coating composition and vehicle for the same. W. H. Moss. 1,883,395; Oct. 18.
Coating composition, Antifouling. D. B. Bradner. 1,843,010; Jan. 26.
Coating composition for fibrous materials. F. B. Morton. 1,842,978; Jan. 26.
Coating composition, Nonchalking. G. R. Ensminger. 1,860,532; May 31.
Coating device. J. Beatty, L. P. Uphoff, and F. A. Sims. 1,881,345; Oct. 4.
Coating device. G. Sague. 1,886,231; Nov. 1.
Coating device. G. L. Weiser. 1,847,737; Mar. 1

Coating, Equipment for vertical. W. H. Edmondson. 1,857,241; May 10.
Coating for alimentary products, Dry. H. M. Blinn. 1,882,476; Oct. 11.
Coating for ferrous metals. R. J. Wirshing and H. R. Faas. 1,872,614; Aug. 16.
Coating for filaments, Insulating. S. Ruben. 1,849,157; Mar. 15.
Coating for frozen products, Edible. H. Beatty and C. Mongere. 1,883,484; Oct. 18.
Coating for metal molds. H. P. Kimber and F. Miller. 1,845,286; Feb. 16.
Coating for thermionic devices. H. M. Elsey and A. T. Krogh. 1,900,060; Mar. 7.
Coating hollow bodies. A. M. Hageman and A. F. Lindstrom. 1,871,367; Aug. 9.
Coating, Lead. J. R. Ferguson. 1,865,436; July 5.
Coating machine. L. B. Case. 1,873,821; Aug. 23.
Coating machine. J. W. Cosgrove. 1,849,540; Mar. 15.
Coating machine. J. W. Cosgrove. 1,851,162; Mar. 29.
Coating machine. C. T. Hatch. 1,850,837; Mar. 22.
Coating machine. M. O. Jennings. 1,871,998; Aug. 16.
Coating machine. F. Klingbach. 1,883,305; Oct. 18.
Coating machine. C. J. Smith. 1,851,734; Mar. 29.
Coating machine. H. A. Stone. 1,869,630; Aug. 2.
Coating machine. C. F. Wieland and R. H. Hubbell. 1,862,837; June 14.
Coating machine for shingles. G. J. Snyder. 1,870,426; Aug. 9.
Coating material. M. Deseniss and A. Nielsen. 1,890,723; Dec. 13.
Coating material. E. F. Johnston. 1,892,576; Dec. 27.
Coating material for metal articles. R. Auerbach. 1,855,377; Apr. 26.
Coating metallic surfaces for prevention of corrosion. J. Dewar. 1,878,761; Sept. 20.
Coating of chromium on objects of iron and steel or aluminum, and particularly on knives, forks and spoons, Produce a. H. Leiser. 1,858,631; May 17.
Coating on articles containing aluminum, Producing an insulating. E. W. Suttner. 1,853,437; Apr. 12.
Coating on material, Method for ascertaining the amount of. B. L. Browning. 1,845,231; Feb. 16.
Coating particles. C. C. De Witt. 1,883,614; Oct. 18.
Coating machines with plastic composition, Method and apparatus for. T. H. Wilson. 1,888,101; Nov. 15.
Coating process and apparatus. C. E. Yates and H. C. Mecan. 1,871,102; Aug. 9.
Coating, Process and apparatus for. R. P. Carlton. 1,856,744; May 3.
Coating, Protective. W. K. Lewis. 1,858,368; May 17.
Coating, Resilient. E. B. Carns and J. A. Grimes. 1,852,146; Apr. 5.
Coating substances. H. S. Cooper and M. Merlub-Sobel. 1,878,112; Sept. 20.
Coating to a surface, Method and apparatus for applying a liquid. P. C. Arnold. 1,867,568; July 19.
Coating, Wrinkle finish. F. B. Root. 1,883,408; Oct. 18.
Coatings and making the same, Saline. F. de Pape. 1,888,453; Nov. 22.
Coatings and particularly lead coatings, Method and device for producing metallic. M. U. Schoop. 1,843,842; Feb. 2.
Coatings, Apparatus for applying. W. M. Shakespeare. 1,871,013; Aug. 9.
Coatings, Apparatus for wiping molten metallic. J. L. Schueler. 1,841,216; Jan. 12.
Coatings for goods of rubber or like substances, Preservative. B. D. Porritt and T. R. Dawson. 1,854,601; Apr. 19.
Coatings, Manufacture of. W. H. O. J. Scheiber. 1,842,307; Jan. 26.
Coatings, Obtaining metallic. H. J. Spanner and U. Doering. 1,866,729; July 12.
Coatings, Portable apparatus for removing surface. L. B. Jonson. 1,862,099; Jan. 19.
Coatings to insulated wires and the like, Applying. A. P. Hinsky. 1,890,292; Dec. 6.
Coat making. M. Scherr. 1,891,692; Dec. 20.
Coaxial construction for power line carrier systems. E. I. Green. 1,855,288; Apr. 26.
Cobalt, Recovering. E. A. G. Gönwall. 1,868,414; July 19.
Cock. P. E. Boeuf. 1,859,126; May 17.
Cock. V. E. Flodin. 1,891,759; Dec. 20.
Cock. J. L. L. A. A. Moulet. 1,849,802; Mar. 15.
Cock and turning same, Plug. J. C. Martin, jr. 1,890,524; Dec. 13.
Cock, Angle. F. T. Slayton. 1,842,211; Jan. 19.
Cock, Ball. A. F. Curtin. 1,840,309; Jan. 12.
Cock, Ball. A. N. Evans. 1,889,503; Nov. 29.
Cock, Gas. L. Balazinski. 1,840,348; Jan. 12.
Cock, Gas. M. Yablick. 1,880,648; Oct. 4.
Cock, Gas range. P. S. Harper. 1,885,836; Oct. 18.
Cock, Gauge. J. R. Brown. 1,886,159; Nov. 1.
Cock, Gauge. C. A. Fischer. 1,858,240; May 17.
Cock, Gauge. G. W. Osborn. 1,887,213; Nov. 8.
Cock, Lubricated plug. A. M. Houser and R. Fennema. 1,885,202; Nov. 1.
Cock, Measuring. J. Fechtig. 1,842,862; Jan. 26.
Cock or the like. E. Otton. 1,855,414; Apr. 26.
Cock, Plug. G. Huhn. 1,892,574; Dec. 27.
Cock, Plug. H. Samms. 1,879,526; Sept. 27.
Cock, Safety gas. H. A. Anderson. 1,844,551; Feb. 9.
Cock, Safety pilot gas. J. H. Grayson. 1,874,501; Aug. 30.
Cock, Stop. L. Daldorf and F. Mason. 1,872,417; Aug. 16.
Cock, Valve. M. Chouinard and J. P. Paradis. 1,857,940; May 10.
Cock with a packing sleeve surrounding the plug of the cock, Stop. K. Klinger. 1,849,580; Mar. 15.
Cocktail glass, Tomato juice. F. Pavel, jr. Des. 86,053; Jan. 19.
Cocktail service. J. M. Creighton. 1,858,728; May 17.
Cocoa and chocolate industries, Treatment of by-products of the. J. W. Livingston and M. Luthy. 1,855,026; Apr. 19.
Cocoa beans and the like, Apparatus for the continuous drying and roasting of. D. G. Steeley and F. W. Blake. 1,850,429; Apr. 5.
Cocoa butter, Extraction of. I. S. Hocker. 1,882,013; Oct. 11.
Cocoons automatically, Replenishing a supply of. T. Sugiyama, J. Ushiki, and Y. Okabe. 1,886,757; Nov. 8.
Cocos fibers, Recovery of. H. Eliel. 1,882,657; Oct. 18.
Coconuts, Shelling. H. C. MacDougall. 1,860,745; May 31.
Code setting device for signal systems. J. H. Wheelock. 1,873,729; Aug. 23.
Codein drugs, Synergized. M. L. Crossley. 1,845,486; Feb. 16.
Coding and decoding, Method and apparatus for. E. Bellin. 1,851,748; Mar. 29.
Coding apparatus. F. N. Rossart. 1,858,876; May 17.
Coffee and tea makers. R. N. Kircher and H. Wentorf. 1,870,254; Aug. 9.
Coffee brewing device. J. R. Peirce. 1,873,023; Aug. 23.
Coffee brewing device. J. R. Peirce. 1,887,848; Nov. 15.
Coffee, cocoa beans, etc., Apparatus for cleaning. G. C. Herz. 1,850,719; Mar. 22.
Coffee, Device for making drip. S. L. Starkey. 1,876,474; Sept. 6.
Coffee extracts, Making liquid. W. W. Giffen and C. W. Carter. 1,891,383; Dec. 20.
Coffee machine. C. Berg and C. F. Cookson. 1,863,710; June 21.
Coffee maker. O. M. Anderson. Des. 87,298; July 5.
Coffee maker. A. Coors. 1,889,543; Nov. 29.
Coffee maker. S. A. Haines. 1,882,140; Oct. 11.
Coffee maker. A. D. Hilds. Des. 86,967; May 17.
Coffee maker. F. E. Wolcott. Des. 86,426; Mar. 1.
Coffee maker. F. E. Wolcott. Des. 86,430; Mar. 1.
Coffee maker. F. E. Wolcott. Des. 87,130; June 14.
Coffee maker. F. E. Wolcott. Des. 87,183; June 14.
Coffee maker. F. E. Wolcott. Des. 87,657; Aug. 23.
Coffee maker, Drip. C. Kapner. 1,887,354; Nov. 8.
Coffee maker, Drip. R. F. Krause. 1,872,486; Aug. 16.
Coffee maker or similar article. R. E. Patten. Des. 87,078; May 31.
Coffee maker or similar article. R. E. Patten. Des. 87,239–7; June 21.
Coffee maker or similar article. R. E. Patten. Des. 87,939–40; Sept. 13.
Coffee maker or the like. A. M. Boever. 1,843,476; Feb. 2.
Coffee maker, Restaurant type. E. E. Wolcott. Des. 85,966; Jan. 5.
Coffee, Making. H. W. Hales. 1,847,715; Mar. 1.
Coffee making device. J. R. Peirce. 1,887,849; Nov. 15.
Coffee making machine. S. Mezzapesa. 1,882,226; Oct. 11.
Coffee mill. E. G. Berry and H. G. Woodhead. 1,880,684; Oct. 4.
Coffee-mill with electric driving device. J. Stockert. 1,865,731; July 5.
Coffee, peanuts, and other such products that are usually roasted to bring out their flavors, and producing same, Heat sealed. J. L. Rosenfeld. 1,850,971; Mar. 22.
Coffeepot. J. E. Matter and C. G. Towne. Des. 87,475; Aug. 2.
Coffeepot. E. C. Sasser. 1,866,777; July 12.
Coffee pot. I. W. Wood. 1,885,686; Nov. 1.
Coffeepot, Drip. R. F. Krause. Des. 87,068; May 31.
Coffee product and preparing it, Concentrated. E. J. Lorand. 1,866,415; July 5.
Coffee product, Making a concentrated. E. J. Lorand. 1,866,414; July 5.
Coffee roaster. J. M. Edwards. 1,890,642; Dec. 13.
Coffee roasting machine. C. T. Howson. 1,843,131; Feb. 2.
Coffee, Treatment for. D. J. Kennedy. 1,887,686; Nov. 15.
Coffee, Treatment of. D. J. Kennedy. 1,853,278; Apr. 12.
Coffee, Treatment of. D. J. Kennedy. 1,859,740; May 24.
Coffee urn bag. C. A. Rundquist. 1,889,845; Dec. 6.
Coil. W. L. Casper. 1,853,548; Apr. 12.
Coil. R. A. Connor and G. A. Jacobs. 1,880,821; Oct. 4.
Coil. R. H. Samuel. 1,852,938; Apr. 5.
Coil, Adjustable inductance. W. L. Casper. 1,850,579; Mar. 22.
Coil, Adjustable inductance. L. A. Gebhard. 1,840,391; Jan. 12.
Coil and assembly. W. E. Stralt. 1,859,248; May 17.
Coil and making same. R. A. Connor. 1,863,713; June 21.
Coil and making same, Electrical. H. W. Turner. 1,874,722; Aug. 30.
Coil and making same, Wire. H. de Jong. 1,870,713; Aug. 9.

Coil assembly for transformers. R. A. Finnegan. 1,846,801; Feb. 23.
Coil casing, Making magnetic. B. A. Engholm and J. J. Swent. 1,859,917; May 24.
Coil, Choke. P. Taetz. 1,842,201; Oct. 11.
Coil clamp. T. H. Long. 1,855,750; Apr. 26.
Coil construction. W. G. Schneider and H. H. Eaton. 1,878,606; Sept. 20.
Coil, Cooling. J. C. Staton. 1,840,613; Jan. 12.
Coil, Electrical. E. S. Dawson, jr. 1,874,723; Aug. 30.
Coil, Electrical. H. W. Turner. 1,840,103; Jan. 5.
Coil, Electrical. I. N. Whitesmith. 1,864,331; June 21.
Coil for circuit breakers. R. C. Van Sickle. 1,872,369; Aug. 16.
Coil for cracking hydrocarbon oils, Heating. J. C. Black. 1,880,716; Oct. 4.
Coil handling apparatus. K. A. Chubb and H. C. Ralston. 1,868,562; July 26.
Coil, Ignition. J. T. Fitzsimmons. 1,854,401; Apr. 19.
Coil, Ignition. H. L. Hartzell. 1,880,905; Oct. 25.
Coil, Ignition. H. A. Wallenta. 1,882,460; Oct. 11.
Coil, Inductance. C. Bol. 1,892,204; Dec. 27.
Coil, Inductance. D. R. De Tar. 1,860,176; May 24.
Coil, Inductance. A. M. Heintz. 1,876,670; Sept. 13.
Coil, Inductance. P. F. Scofield. 1,891,481; Dec. 20.
Coil installations, Operating cracking. E. W. Luster. 1,870,855; Aug. 9.
Coil machine. F. C. Lindh. 1,862,626; June 14.
Coil recording and charging system. P. Storch and E. Rosenberg. 1,876,942; Sept. 13.
Coil retaining means. H. H. Eaton. 1,891,200; Dec. 13.
Coil shielding structure, Inductance. L. L. Jones. 1,840,780; Jan. 12.
Coil spring. A. L. Vargha. 1,862,992; June 14.
Coil structure. G. Rigante. 1,853,148; Apr. 12.
Coil structure. G. Rigante. 1,888,541; Nov. 22.
Coil testing equipment. H. C. Robinson. 1,852,980; Apr. 5.
Coil, Toroidal. H. A. Burgess. 1,854,824; Apr. 19.
Coil unit. G. Rigante. 1,871,345; Aug. 9.
Coil unit. G. Rigante. 1,873,665; Aug. 23.
Coil unwinder, Strip steel. K. F. Dalley. 1,875,566; Sept. 6.
Coil, Variable inductance. C. F. Rudolph and C. O. Vermillion. 1,860,722; May 31.
Coil winding and cutting machine. J. Taylor. 1,851,785; Mar. 29.
Coil winding machine. L. C. Daniels. 1,865,236; June 28.
Coil winding machine. W. J. Leidy and N. Knuth. 1,868,667; July 26.
Coil winding machine. J. J. Vienneau. 1,884,409; Oct. 25.
Coller for hot rod mills. A. Perrett. 1,859,159; May 17.
Collimating apparatus. M. C. Cary. 1,881,018; Oct. 4.
Coiling machine. C. D. Dallas. 1,871,665; Aug. 16.
Coiling machine. C. J. Gibbons. 1,874,280; Aug. 30.
Coiling machine and winding coils. E. A. Dewald. 1,878,793; Sept. 20.
Coiling machine, Mandrelless spaced. F. W. Walton. 1,842,223; Jan. 19.
Coiling, Metal. C. A. Kaiser. 1,866,310; July 5.
Coils, Apparatus for insulating. V. G. Apple. 1,887,005; Nov. 8.
Coils, Apparatus for testing electrical. O. P. Haegele and C. Paulson. 1,852,815; Oct. 18.
Coils, Cooling and ice tank. E. S. H. Baars. 1,863,892; June 21.
Coils, Cooling and ice tank. E. S. H. Baars. 1,869,792; Aug. 2.
Coils, Insulating. V. G. Apple. 1,845,116; Feb. 16.
Coils, Making armature. V. G. Apple. 1,843,590; Feb. 2.
Coils, Making armature. V. G. Apple. 1,860,977; May 31.
Coils, Method of and apparatus for making. R. F. Sedgley. ReIs,576; Aug. 12.
Coils of metal strip, Apparatus for uncoiling. J. A. Smitmans. 1,872,045; Aug. 16.
Coin assorting apparatus. A. Godefroid. 1,842,019; Jan. 19.
Coin box. C. A. Frick. 1,858,190; May 10.
Coin box. K. Jackson. 1,853,815; Apr. 12.
Coin changer. C. May. 1,839,301; Jan. 5.
Coin collection apparatus. F. A. Hoyt. 1,841,125; Jan. 12.
Coin collector. C. H. Wheeler. 1,840,414; Jan. 5.
Coin control. P. C. A. Vander Meer. 1,875,900; Sept. 6.
Coin control device. R. M. Fox. 1,874,406; Aug. 30.
Coin control mechanism. K. C. Bugg. 1,839,736; Jan. 5.
Coin control mechanism for vending machines. J. A. Heller. 1,876,671; Sept. 13.
Coin controlled actuating device. G. A. Long. 1,886,409; Nov. 8.
Coin controlled apparatus. A. H. Du Grenier. 1,868,887; July 26.
Coin controlled apparatus. E. Mihalek. 1,889,212; Nov. 29.
Coin controlled apparatus. E. C. Whiting. 1,872,859; Aug. 23.
Coin controlled lock. D. C. Morgan. 1,841,045; Jan. 12.
Coin controlled mechanism. A. D. Antoine and A. E. Gebert. 1,848,454; Mar. 8.
Coin controlled mechanism. W. B. Betts. 1,860,221; May 24.
Coin controlled mechanism. M. Cornine and A. Hakanson. 1,850,382–3; Mar. 22.
Coin controlled mechanism. B. L. Fry. 1,8..8,248; Mar. 8.
Coin controlled mechanism. L. Myers. 1,851,643; Mar. 29.
Coin controlled mechanism. W. Rabkin. 1,865,211; June 28.
Coin controlled mechanism. M. H. Richardson. 1,862,372; June 7.
Coin controlled switch. C. Fleischer. 1,861,384; May 31.
Coin counting machine. C. L. Downey. 1,843,358; Feb. 2.
Coin counting machine. C. Schwartz. 1,877,989; Sept. 20.
Coin counting machines, Feeder attachment for. E. P. Donnellan. 1,850,387; Mar. 22.
Coin delivery machine. E. J. Brandt. 1,868,272; July 26.
Coin feeder. B. E. Seemel. 1,859,315; May 24.
Coin handling mechanism for vending machines, telephones, etc. G. F. Gibson. 1,873,735; Aug. 23.
Coin mechanism. B. Radtke. 1,869,616; Aug. 2.
Coin mechanism for vending machine. F. Rappaport. 1,854,668; Apr. 19.
Coin mechanism for vending machines. C. A. Melchert. 1,871,901; Aug. 16.
Coin-operated machine. F. L. Mills. 1,854,479; Apr. 19.
Coin or check control device. J. O. Morgan. 1,879,408; Sept. 27.
Coin release mechanism for vending machines. S. H. Sabit. 1,868,641; July 26.
Coin slot closer. C. Braby. 1,850,443; Mar. 22.
Coin sorting machine. C. Schwartz. 1,849,318; Mar. 15.
Coin stacker. B. E. Seemel. 1,859,574; May 24.
Coin testing apparatus. F. W. Hoban. 1,890,380; Dec. 6.
Coin vending mechanism. W. H. Russell. 1,888,473; Nov. 22.
Coin wrapper and bill strap container. H. L. Liebendorfer. 1,861,310; May 31.
Coins or other tokens from counterfeits, Testing. F. W. Hoban. 1,890,381; Dec. 6.
Coincidental lock. E. M. Ballamos. 1,846,782; Feb. 23.
Coincidental lock. K. A. Brauning. 1,863,742; June 21.
Coincidental lock. H. E. Norviel. 1,861,713–14; June 7.
Coincidental lock. H. E. Norviel. 1,871,905; Aug. 16.
Coke and combustible gas and apparatus therefor, Manufacture of. A. Johnson. 1,841,036; Jan. 12.
Coke, Apparatus for cooling. W. T. Bosler. 1,857,618; May 10.
Coke, Apparatus for cooling. J. W. Reber. 1,865,336; June 28.
Coke, Apparatus for dry cooling. O. Piette. 1,891,836; Dec. 20.
Coke cooling apparatus. C. Schwartz. 1,849,158; Mar. 15.
Coke extractor for vertical carbonization retorts. E. West. 1,851,129; Dec. 13.
Coke from mineral hydrocarbons, Forming. R. A. Halloran and W. H. Shiffler. 1,867,823; July 19.
Coke oven plants, Operation of by-product. S. P. Miller. 1,888,465; Nov. 22.
Coke oven recovery system, By-product. S. P. Miller. 1,884,084; Oct. 25.
Coke, Producing. F. W. Steere. 1,884,339; Oct. 25.
Coke puller. G. W. Watts and W. B. Matthews. 1,871,932; Aug. 16.
Coking apparatus. F. Puening. 1,855,417; Apr. 26.
Coking at low temperature, Apparatus for. F. Puening. 1,843,931; Feb. 9.
Cold, Apparatus for the production of. W. Dietrich and K. Bergt. 1,846,092; Feb. 23.
Cold storage box. W. Brown. 1,863,434; June 14.
Cold white light. F. Hassell. 1,855,799; Apr. 26.
Colds, influenza, and similar ailments, Appliance for the treatment of. S. E. Armstrong. 1,860,847; May 31.
Collapsible and transportable house. H. Schioler. 1,850,638; Mar. 22.
Collapsible box. J. V. Hood. 1,862,855; June 14.
Collapsible bracket. E. F. Benson. 1,874,424; Aug. 30.
Collapsible chair. G. T. Grondin. 1,856,759; May 3.
Collapsible garment hanger. B. B. Button. 1,886,869; Nov. 8.
Collapsible handle. F. W. Coffing. 1,870,403; Aug. 9.
Collapsible oil ring. D. M. Cushenberger. 1,848,910; Mar. 8.
Collapsible or extensible table. A. Berta. 1,852,914; Apr. 5.
Collapsible paper box. R. A. Gross. 1,886,879; Nov. 8.
Collapsible reel. H. Gregory. 1,868,634; July 26.
Collapsible reel. L. A. Ward. 1,854,320; Apr. 19.
Collapsible table. K. Bloom. 1,859,783; Jan. 6.
Collapsible table. E. L. Cederquist. 1,876,400; Sept. 6.
Collapsible table. F. A. Orton. 1,852,723; Apr. 5.
Collapsible tube. E. C. Davidson. 1,872,687; Aug. 23.
Collapsible tube. J. G. Hoyt. 1,869,694; Aug. 2.
Collapsible tube. L. F. Rogers. 1,877,534; Sept. 13.
Collapsible tube. F. W. Schoonmaker, jr. 1,881,378; Oct. 4.
Collapsible wire reel. F. V. Sjolander. 1,874,371; Aug. 30.
Collar. M. Friedman. 1,892,430; Dec. 27.
Collar. F. L. Hermann. 1,865,317; June 28.
Collar. S. J. Palmer. 1,839,337; Jan. 5.
Collar. P. Turpan. 1,851,222; Mar. 29.
Collar and fabric for making the same, Semisoft. J. V. Moore. 1,842,623; Jan. 26.

Collar and fabric therefor, Semisoft. J. V. Moore. 1,842,729; Jan. 26.
Collar and necktie, Combined reversible. M. Zatz. 1,843,553; Feb. 2.
Collar attaching means. C. Schwartz. 1,886,057; Nov. 1.
Collar attachment. H. Belson. 1,881,124; Oct. 4.
Collar band for shirts, Adjustable. W. Rubinstein. 1,870,966; Aug. 9.
Collar, Detachable shirt. C. H. Mackie. 1,861,419; May 31.
Collar device. W. H. Vickers. 1,862,444; June 7.
Collar for connecting container bodies to their lids. C. S. Baron. 1,851,483; Mar. 29.
Collar for ice cream cabinets, Insulating. W. Greenberg. 1,885,712; Nov. 1.
Collar form preserver. J. Kasbman. 1,882,622; Oct. 11.
Collar, Lady's. G. Scheiderl. Des. 86,448; Mar. 8.
Collar or like garment part. F. H. Taber. 1,857,170; May 10.
Collar position retainer, Coat. I. Ulfers. 1,849,390; Mar. 15.
Collar snubbers, Making. W. O. Dalley. 1,882,242; Oct. 11.
Collar, Soft. H. D. Bob. 1,864,181; June 21.
Collar stiffener. J. J. Van Cura. 1,874,145; Aug. 30.
Collar stiffener and necktie supporter. L. Rosen. 1,855,070; Apr. 19.
Collar stiffener and reenforcing means. J. W. Steele. 1,875,473; Sept. 6.
Collar stiffener and tie support, Combined soft. W. A. Johnston. 1,865,915; July 5.
Collar stiffener device. I. Marinsky. 1,845,884; Feb. 16.
Collar stud and neck-tie retainer. E. Weiss. 1,889,339; Nov. 29.
Collar support and necktie holder. L. Louis. 1,851,197; Mar. 29.
Collars, cuffs, trimmings, etc., to women's dresses, Attaching. K. von Dombrowski. 1,842,702; Jan. 26.
Collars to shirts, attaching detachable. J. A. Fackett. 1,873,145; Aug. 23.
Collating device for autographic registers. L. F. Hagemann. 1,870,451; Aug. 9.
Collecting and folding mechanism for web presses. I. Tornberg. 1,868,779; July 26.
Collet and washer. A. V. Weed. 1,839,432; Jan. 5.
Collet chuck. A. O. Wilkins. 1,864,786; June 28.
Collet, Making a. E. L. Connell. 1,854,825; Apr. 19.
Collet means. J. F. Buhr. 1,845,123; Feb. 16.
Collet, Rod feeding. G. H. Smith. 1,846,695; Feb. 23.
Collision detector and indicator. W. A. Gibbs. 1,855,956; Apr. 26.
Collisions, Apparatus for recording audible and visual effects of. F. C. Shumaker and E. W. Gregory. 1,852,484; Apr. 5.
Colloid Mill. W. Ostermann. 1,885,283; Nov. 1.
Colloidal dispersions of insoluble colors in organic materials, Making. A. J. Hailwood, A. Shepherdson, and A. Stewart. 1,863,331; June 14.
Colloidal dispersions of insoluble colors, Making. A. J. Hailwood, A. Shepherdson, and A. Stewart. 1,863,332; June 14.
Colloidal mono-sodium tetraiodophenolphthalein. E. F. Ellzey. 1,858,142; May 10.
Colloidal substances, Process and apparatus for making. A. Hartzell and F. H. Lathrop. 1,870,727; Aug. 9.
Colonic tube. C. C. Honsaker. 1,879,249; Sept. 27.
Color box. J. Singerman. 1,880,026; Sept. 27.
Color cinematographic apparatus. J. A. Ball. 1,873,259; Aug. 23.
Color cinematography. J. A. Ball. 1,844,377; Feb. 9.
Color coat for cemented surfaces. W. D. Rial. 1,884,942; Jan. 28.
Color determination of any object. G. Q. Voigt. 1,881,336; Oct. 4.
Color discharge effects with gallocyanine dyestuffs, Production of. E. Hug and H. Werdenberg. 1,852,970; Apr. 5.
Color display device. J. H. Kliegl. 1,851,585; Mar. 29.
Color film embossing rollers, Apparatus for lapping. O. Wittel. 1,880,632; Oct. 4.
Color lake. R. Buchwald. 1,880,761; Oct. 4.
Color matching apparatus. B. Nash. 1,871,078; Aug. 9.
Color photography. J. N. Goldsmith. 1,877,558; Sept. 13.
Color photography. W. B. Harris, jr. 1,857,983; May 3.
Color-photography. W. V. D. Kelley. 1,885,450; Nov. 1.
Color photography. W. V. Kelley. 1,889,124; Nov. 29.
Color photography. L. T. Troland. Re18,680; Dec. 6.
Color photography. B. Wendt and H. Bincer. 1,880,572; Oct. 4.
Color photography. G. S. Whitfield. 1,877,709; Sept. 13.
Color printing. L. Dufay. 1,829,956; Jan. 5.
Color printing and cutting press. F. W. Adsit and J. F. Emme. 1,855,212; Apr. 26.
Color-printing plates, Making. J. M. Keenan. 1,886,556; Nov. 8.
Color printing press. H. A. W. Wood. 1,883,227; Oct. 18.
Color printing press, Rotary. C. R. Kaddeland. 1,874,013; Aug. 30.
Color printing process for textile fabrics. R. Petitdidier and F. V. Feynier. 1,847,697; Mar. 1.
Color projecting and distributing apparatus for painters. K. Zechmanek. 1,840,686; Jan. 12.
Color projecting machine. M. De Francisco. 1,857,441; May 10.
Color screen control. J. H. Kliegl. 1,875,814; Sept. 6.
Color shade guide for artificial teeth. L. H. Sprinkle. 1,854,720; Apr. 19.
Color stabilization of lubricating oils-. C. E. Adams. 1,888,023; Nov. 15.
Colored discharge effects, Production of. H. Werdenberg. 1,864,007; June 21.
Colored effects by lighting, Production of. P. Burrell and J. A. Boothroyd. 1,887,285; Nov. 8.
Colorimeter. A. T. Brice, jr. 1,859,278; May 24.
Colorimeter. P. A. E. Hellige. 1,870,624; Aug. 9.
Coloring granular and other material. P. S. Denning. 1,876,629–30; Sept. 13.
Coloring matter and making same. G. Krünzlein, H. Strenge, and H. Vollmann. 1,853,362; Apr. 12.
Coloring matter soluble in benzene, Azo. L. W. Geller. 1,870,806; Aug. 9.
Coloring matters and dyeings therewith, Manufacture of. F. Günther, F. Lange, and W. Schneider. 1,843,670; Feb. 2.
Coloring of cellulose derivatives. G. H. Ellis and H. C. Olpin. 1,871,673; Aug. 16.
Coloring of textile materials. C. Dreyfus, G. W. Miles, and H. Platt. 1,870,408; Aug. 9.
Colorless glass. G. Jaeckel. 1,868,065; July 19.
Colors of the anthracene blue series. H. A. Prager and J. Deinet. 1,845,623; Feb. 16.
Colors, Mixing. G. A. Schubert. 1,890,004; Dec. 6.
Colt and calf weaner. C. H. Patterson. 1,844,176; Feb. 9.
Column clamp. C. M. Markham. 1,842,684; Jan. 26.
Column clamp. J. B. Robins. 1,891,484; Dec. 20.
Column equipment, Fractionating. E. B. McConnell. 1,865,400; June 28.
Column for a weighing scale. C. H. Jacobson. Des. 88,085; Oct. 25.
Column, Reinforced. F. C. Langenberg and G. A. Reinhardt. 1,885,512; May 3.
Column turning, honing, and polishing machine. D. M. Mills. 1,859,395; May 24.
Columns and the like, Apparatus for making. C. H. Sawyer. 1,871,743; Aug. 16.
Columns, Making. H. C. Pfaff. 1,877,583; Sept. 13.
Comb: See—
Back comb.
Barber's comb.
Brush comb.
Circle waving comb.
Fountain comb.
Hair comb.
Hair dresser's comb.
Hair waving comb.
Liquid treatment comb.
Sanitary comb.
Suction comb.
Transfer comb.
Water marcelling comb.
Wave comb.
Comb. C. Maisto. 1,847,347; Mar. 1.
Comb. H. L. J. Marshall. 1,851,859; Mar. 29.
Comb. R. E. Noyes. 1,877,040; Aug. 30.
Comb. J. J. Rugaber. 1,886,357; Nov. 1.
Comb. N. Samantas. 1,874,630; Aug. 30.
Comb and brush, Combination. A. Pross. 1,845,331; Feb. 16.
Comb and brush, Combination. H. J. Vetter. Des. 86,422; Mar. 1.
Comb and mirror, Combined. E. M. Brunner. 1,845,233; Feb. 16.
Comb circle. W. Holdsworth. 1,855,883; Apr. 26.
Comb for finger waving. M. Newby. 1,852,862; Apr. 5.
Comb foundation. H. H. Root. 1,882,938; Oct. 18.
Comb frame handler. P. C. Keller. 1,848,485; Mar. 8.
Comb hanger straightening method and device. D. S. Ostrom. 1,870,584; Aug. 9.
Comb guide for cutting hair. C. Mani. 1,853,826; Apr. 12.
Comb uncapping apparatus. H. H. Root. 1,861,939; June 7.
Combination bed and divan. E. M. Hoey. Des. 87,577–9; Aug. 16.
Combination furnace. F. E. Grunwaldt. 1,879,932; Sept. 27.
Combination furnace. W. F. Keenan, jr. 1,849,095; Mar. 15.
Combination lock. S. Aster. 1,863,537; June 14.
Combination lock. F. C. Bishop. 1,876,132; Sept. 6.
Combination lock. C. Disbrow. 1,850,947; Apr. 26.
Combination lock. S. Konat. 1,857,198–9; May 10.
Combination lock. J. Schlitz. 1,863,503; June 14.
Combination lock. F. Torka and W. V. E. Torka. 1,841,308; Jan. 12.
Combination lock, Screened. W. F. Doenges. 1,848,997; Mar. 8.
Combination reel. H. O. Lenz. 1,890,736; Dec. 13.
Combination switch. R. Obin. 1,855,137; Apr. 19.
Combination table. E. Lawrenz. 1,844,694; Feb. 9.
Combination table. J. Lyon. 1,888,479; Nov. 22.
Combination ventilator. C. E. Furgason. 1,853,346; Apr. 12.
Combination wheel. C. C. Nugent. 1,853,572; Apr. 12.
Combination wrench. J. C. Siegrist. 1,866,426; July 5.
Combine. L. A. Paradise. 1,889,565; Nov. 29.
Combine. R. S. Walters. 1,859,759; May 24.
Combined advertising stand and mattress support. H. M. Taylor. Des. 87,604; Aug. 16.
Combined floor scrubbing, brushing, polishing, and abrading machine. H. L. Myers. Des. 87,851; Sept. 27.
Combined household food mixer and juice extractor. M. W. McArdle. Des. 87,587; Aug. 16.

Combined oil and gas burner. M. A. Powers. 1,885,478; Nov. 1.
Combined spot and flood light. T. Hall. 1,850,103; Mar. 22.
Combined valve control handle and indexing dial. W. P. Ferguson. Des. 87,830; Sept. 27.
Combing machine. J. W. Nasmith. 1,866,901; July 12.
Combing machine for textile fibres. J. W. Nasmith. 1,892,317; Dec. 27.
Combustible mixture supply for internal combustion engines. G. R. Lawrence. 1,839,791–2; Jan. 5.
Combustibles into liquid fuel, Conversion of solid. A. Joseph. 1,879,750; Sept. 27.
Combustibles with improved calorific efficiency, Burning. F. H. Brown. 1,878,105; Sept. 20.
Combustion and steam generation. E. Lundgren. 1,854,342; Apr. 19.
Combustion apparatus. R. A. Foresman. 1,843,274; Feb. 2.
Combustion apparatus. A. S. Mancib. 1,885,530; Nov. 1.
Combustion apparatus. J. Sperling. 1,873,353; Aug. 23.
Combustion apparatus. E. R. Stone. 1,847,633; Mar. 1.
Combustion apparatus. E. R. Stone. 1,867,189; July 12.
Combustion, Apparatus for producing. G. S. Melkle. 1,856,720; May 3.
Combustion-arc process. A. E. Greene. 1,847,527; Mar. 1.
Combustion chamber. M. J. Goldberg. 1,874,737; Sept. 13.
Combustion chamber. C. Miller. 1,881,325; Oct. 4.
Combustion chamber. A. C. Staley and H. H. Waters. 1,840,610; Jan. 12.
Combustion chamber and draft system therefor. R. D. De Wolf. 1,863,397; June 14.
Combination chamber construction. A Moore. 1,845,982; Feb. 16.
Combustion chamber for combustion engines. E. A. Sperry. 1,867,682; July 19.
Combustion chamber for Diesel engines. F. G. Hehr. 1,874,994; Aug. 30.
Combustion chamber for internal combustion engines. O. C. Berry. 1,861,045; May 31.
Combustion chamber for internal combustion engines. G. M. Bicknell. 1,870,397; Aug. 9.
Combustion chamber for internal combustion engines. A. W. Gardiner. 1,865,849; July 5.
Combustion chamber for internal combustion engines. V. Heidelberg. 1,885,719; Nov. 1.
Combustion chamber of internal combustion engines. W. A. Whatmough. 1,887,897; Nov. 15.
Combustion chamber for leers. W. T. Honiss. 1,849,037; Mar. 1.
Combustion control. T. A. Peebles. Re18,479; May 24.
Combustion control device. G. E. Goodridge. 1,892,188; Dec. 27.
Combustion control for gas producers. G. H. Gibson. Re18,356; Feb. 23.
Combustion control, Method of and apparatus for. E. S. Bristol. 1,874,878; Aug. 30.
Combustion engine. L. Berner and P. Lohr. 1,877,760; Sept. 20.
Combustion engine. G. Blow. 1,876,599; Sept. 13.
Combustion engine. E. A. Sperry. 1,867,683; July 19.
Combustion engine, Rotary. M. Cooper. 1,858,322; May 17.
Combustion method. C. J. Huber. 1,845,415; Feb. 16.
Combustion method. A. U. Wetherbee. 1,851,745; Mar. 29.
Combustion, Method and apparatus for regulating. G. W. Smith. 1,884,897; Oct. 25.
Combustion of gaseous fuel. H. B. Barber. 1,841,698; Jan. 19.
Combustion promoting device. C. S. Bristow. 1,861,297; May 31.
Combustion, Regulating. G. E. Goodridge. 1,863,443; June 14.
Combustion system. G. W. McKee. 1,892,115; Dec. 27.
Comestibles, Apparatus for freezing. H. Torrance. 1,880,117; Sept. 27.
Comfort chair. J. A. Schauss. 1,840,679; Jan. 12.
Commuting body. R. C. Newhouse. 1,860,393; May 31.
Commodity controlling machine. H. R. Brand. 1,850,093; Mar. 22.
Commodity handling apparatus. J. T. Fletcher. 1,889,176; Nov. 29.
Commodity vending machine. F. L. Mills. 1,881,831; Oct. 11.
Communication cartridge for undersea vessels. G. H. Powers. 1,859,791; May 24.
Communication device for jails. H. P. Manly. 1,869,266; July 26.
Communication system. C. O. Bickelhaupt and C. E. Pennel. 1,889,458; Dec. 27.
Communication system. A. F. Dixon. 1,847,174; Mar. 1.
Communication system. F. S. Entz and A. E. Bachelet. 1,871,310; Aug. 9.
Communication system. P. H. Evans. 1,869,323; July 26.
Communication system. E. E. Hinrichsen. 1,857,848; May 10.
Communication system. J. Hirshfeld. 1,860,360; May 31.
Communication system. L. Keller. 1,847,113; Mar. 1.
Communication system. H. M. Lewis. 1,861,185; May 31.
Communication system. J. G. Roberts. 1,847,137; Mar. 1.
Communication, System of. G. W. Watson. 1,847,030; Feb. 23.
Communication system, Multiplex. W. Ilberg. 1,886,263, Nov. 1.
Communications, Transmitting a plurality of. W. P. C. van der Horst. 1,852,727; Apr. 5.
Commutating device for dynamo-electric machines. L. R. Ludwig and J. Siepian. 1,884,021; Oct. 25.
Commutator. V. G. Apple. 1,845,115; Feb. 16.
Commutator. V. G. Apple and W. M. Doehring. 1,839,859; Jan. 5.
Commutator. V. G. Apple and F. W. Cotterman. 1,845,114; Feb. 16.
Commutator and making same. V. G. Apple. 1,875,204; Aug. 30.
Commutator and making same. E. Ragar. 1,847,725; Mar. 1.
Commutator and making same. O. Wulfert. 1,846,930; Feb. 23.
Commutator construction. W. S. Eaton. 1,842,340; Jan. 19.
Commutator segments, Apparatus for sorting. J. Q. Holmes. 1,881,584; Oct. 11.
Commutator shorting device for motors. T. Iio. 1,876,235; Sept. 6.
Commutator testing device. R. C. Wheichel. 1,842,810; Jan. 26.
Commutators, Making. F. W. Cotterman. 1,883,736; Oct. 18.
Compact. J. Glaenzer. 1,889,471; Nov. 29.
Compact. R. F. Morenus. 1,879,407; Sept. 27.
Compact. D. R. Oliver. 1,853,697; Apr. 12.
Compact and vanity set. J. E. B. Maillard. 1,868,909; July 26.
Compact, Cleansing tissue. W. Medoff. 1,883,852; Oct. 18.
Compact, Cosmetic. B. Ames. 1,842,442; Jan. 26.
Compact, Double serving. A. B. Bowers. 1,841,933; Jan. 19.
Compact, Interproximal. F. H. Connor. 1,883,584; Oct. 18.
Comparator. A. J. Hall. 1,859,035; May 17.
Compartment. O. M. Otte. 1,891,394; Dec. 20.
Compartment and make-up table, Combination dough fermentation. H. C. Simmons. 1,848,229; Mar. 8.
Compartment box, Multiple. G. M. Duvall and J. L. Israelson. 1,883,632; Oct. 18.
Compartment for doors, Service. D. Coleman. 1,880,817; Oct. 4.
Compass. H. E. Stahl, sr. 1,891,068; Dec. 13.
Compass. A. Urfer. 1,873,681; Aug. 23.
Compass and measuring device, Beam. M. Sidon. 1,852,485; Apr. 5.
Compass and measuring device, Beam. M. Sidon. 1,853,088; Apr. 12.
Compass, Automobile. W. Dodd and G. C. Caywood. 1,867,812; July 19.
Compass compensating device, Magnetic. G. L. J. Martin. 1,881,207; Oct. 4.
Compass, Electromagnetic. J. D. Tear. 1,863,421; June 14.
Compass, Ellipsograph. W. G. Bennett. 1,847,997; Mar. 1.
Compass, Gyroscopic. Edwin D. Chaplin. 1,864,801; June 28.
Compass, Gyroscopic. J. B. Henderson. 1,850,982; Mar. 22.
Compass, Gyroscopic. H. L. Tanner. 1,866,733; July 12.
Compass, Gyroscopic. H. H. Thompson. 1,854,869; Apr. 19.
Compass, Induction. R. Gunn. 1,886,336; Nov. 1.
Compass, Induction. N. Minorsky. 1,840,911; Jan. 12.
Compass, Liquid gyroscopic. R. M. Smyth. 1,890,831; Dec. 13.
Compass, Magnetic. G. A. Salzgeber. Re18,474; May 17.
Compass, Magnetic. G. A. Salzgeber. 1,840,133; Jan. 5
Compass or analogous article, Sepulcher. A. W. Roberts. Des. 86,980; May 17.
Compensating center. R. F. Sowden. 1,868,435; July 19.
Compensating the reactance of inductive windings. J. Ossanna, H. Graner, and F. Hofmann. 1,863,065; June 14.
Compensator for mold strippers, Oil. L. Eggert. 1,865,435; July 5.
Composite article. G. A. Gros. 1,881,520; Oct. 11.
Composite bag. J. M. Munson. 1,868,069; July 19.
Composite board. O. A. Heppes. 1,873,887; Aug. 23.
Composite box. J. S. Stokes. 1,862,205; June 7.
Composite friction block. I. J. Novak. 1,891,723; Dec. 20.
Composite paving block. L. F. Hewett. 1,885,720; Nov. 1.
Composition and manufacture of bituminous mixtures for use in road construction and like purposes. A. E. Brown. 1,872,112; Aug. 16.
Composition and method of making a belt dressing. J. Jensen. 1,840,815; Jan. 12.
Composition and method of preparing, Waterproofing. J. C. Kratoville. 1,858,330; May 17.
Composition and molded product obtained therefrom, Moldable. I. A. Hurst. 1,863,540; June 14.
Composition and process for treating wood. A. H. Kelsall and O. C. Alexander. 1,890,650; Dec. 13.
Composition and rubber blanket printing. G. W. Bennett. 1,888,109; Nov. 15.

Composition, Coating. W. W. Lewers and G. D. Patterson. 1,885,024; Oct. 25.
Composition, Coating. G. H. Mains. 1,841,138; Jan. 12.
Composition, Coating. G. D. Patterson. 1,885,025–7; Oct. 25.
Composition consisting of woolen fibers and artificial threads. A. Möhring, G. Schultze, and P. Schlack. 1,860,473; May 31.
Composition construction or heat insulating material. W. K. Nelson. 1,871,193; Aug. 9.
Composition construction or insulating material. W. K. Nelson. 1,863,990; June 21.
Composition containing cellulose derivatives and making the same. J. F. Walsh and A. F. Caprio. 1,873,689; Aug. 23.
Composition containing lithium and silicon and producing same. H. Isbourg. 1,869,494; Aug. 2.
Composition containing matter of the character of caoutchouc, Manufacturing a. H. Ziegner. 1,868,787; July 26.
Composition for baking purposes. E. Woxvold. 1,887,175; Nov. 8.
Composition for battery boxes. R. N. Chamberlain. 1,856,699; May 3.
Composition for building blocks and making the composition. O. A. Nelson. 1,850,845; Mar. 22.
Composition for cleaning. O. Textor and B. O. Crites. 1,888,334; Nov. 22.
Composition for cleaning and polishing glass. M. Cyganick. 1,844,983; Feb. 16.
Composition for coating metals and making the same. R. R. Tanner and V. M. Darsey. 1,887,967; Nov. 15.
Composition for corrosion resisting faults in ignition systems of automotive engines. M. Evans. 1,842,901; Jan. 26.
Composition for maintaining the efficiency of engines. Lodge. 1,849,647; Mar. 15.
Composition for making transparent sheet material. E. M. Kratz. 1,847,656; Mar. 1.
Composition for neutralizing alkaline soil and preparing same. E. von Sigmond. 1,875,281; Aug. 30.
Composition for patching and setting stones. A. Dugan. 1,846,589; Feb. 23.
Composition for producing irritating gas, Making a. N. E. Oglesby and D. Ehrenfeld. 1,864,754; June 28.
Composition for removing surface finishes. D. F. Othmer. 1,884,164; Oct. 25.
Composition for selectively removing top coatings. B. N. Longenecker. 1,884,768; Oct. 25.
Composition for smelting hearths. C. Tama. 1,879,589; Sept. 27.
Composition for stimulating plant growth. R. H. McKee. 1,879,918; Sept. 27.
Composition for the taking of X-rays. P. E. Harth. 1,861,690; June 7.
Composition for treating arteriosclerosis and preparing same. N. A. Rumanceff. 1,858,905; May 17.
Composition for treating trees and other vegetation. A. J. Valle. 1,877,777; Sept. 13.
Composition friction element. J. D. Alley. 1,882,702; Oct. 18.
Composition intended for coating, decorating, and printing wood, metal, paper, cloth and other surfaces. T. F. Bradley. 1,884,553; Oct. 25.
Composition, Lubricating. E. A. Nill. 1,853,571; Apr. 12.
Composition, Moldable cellulosic-derivative. R. L. Kramer. 1,845,156; Feb. 16.
Composition of matter. W. deC. Crater. 1,850,224–5; Mar. 22.
Composition of matter. M. Darrin. 1,889,088; Nov. 29.
Composition of matter. J. J. Grebe. 1,882,809; Oct. 18.
Composition of matter. C. R. Harris and A. L. Pitman. 1,878,276; Sept. 20.
Composition of matter. E. H. Hyde. 1,882,618; Oct. 11.
Composition of matter. P. M. McKenna. 1,848,899; Mar. 8.
Composition of matter. T. C. Parr. 1,889,842; Dec. 6.
Composition of matter. W. H. Rowley. 1,879,639; Sept. 27.
Composition of matter. J. Sato and S. Tomikawa. 1,874,633; Aug. 30.
Composition of matter and making the same. H. A. Endres. 1,842,394; Jan. 26.
Composition of matter and making the same, Moldable. C. Bateholts. 1,853,332; Apr. 12.
Composition of matter and making same. H. A. Winkelmann. 1,890,924; Dec. 13.
Composition of matter and preparing the same. W. H. Hill. 1,875,458; Sept. 6.
Composition of matter and preparing the same. E. O. Rhode and F. D. Hager. 1,884,240; Oct. 25.
Composition of matter and preparing the same. H. J. Rose and W. H. Hill. 1,875,502; Sept. 6.
Composition of matters and producing same. H. Gray. 1,850,716; Mar. 22.
Composition of matter for use in metallurgical operations. A. H. Davies. 1,848,323; Mar. 8.
Composition of matter for use in sealing cracks in metal structures. J. F. Cumming and W. P. Eklund. 1,868,195; July 19.
Composition of matter, Manufacturing a. P. M. McKenna. 1,892,653; Dec. 27.
Composition of matter, Producing. W. H. Rowley. 1,879,638; Sept. 27.
Composition of matter suitable for dyeing. W. Hentrich, A. Ossenbeck and E. Tietze. 1,851,511; Mar. 29.
Composition of matter with a base of cellulose esters, Manufacture of a new. O. Loehr. 1,865,196; June 28.
Composition of vegetable food and making the same. E. H. Miles. Re18,542; July 26.
Composition roller. C. W. Elder. 1,870,773; Aug. 9.
Compositions and apparatus therefor, Preparing creosoting. S. P. Miller. 1,849,198; Mar. 15.
Compositions and articles from celiulose derivatives, Manufacture of. W. M. Cameron, and G. Schneider. 1,843,214; Feb. 2.
Compositions and articles from cellulose derivatives, Manufacture of. C. Dreyfus, W. McC. Cameron, and G. Schneider. 1,870,175; Aug. 2.
Compositions and mold therefor, Molding asphaltic. E. E. Zech. 1,887,393; Nov. 8.
Compositions containing alkali metal peroxides. F. Holt and J. A. M. W. Mitchell. 1,855,676; Apr. 26.
Compositions containing a synthetic resin or balsam. C. Ellis. 1,886,242; Nov. 1.
Compositions containing nitrocellulose. T. F. Bradley. 1,863,264; June 14.
Compositions, Intumescent silicate. H. M. Spencer, 1,847,366; Mar. 1.
Compositions of matter and their preparation. F. S. Malm. 1,847,123; Mar. 1.
Compositions, Preparing creosoting. S. P. Miller. 1,886,967; Nov. 8.
Compositions, Production of colored. H. Kesseler and L. Eiffiaender. 1,892,280; Dec. 27.
Compositions, Production of creosoting. S. P. Miller. 1,849,199; Mar. 15.
Compound alloy plate. H. H. Lynn and H. L. Coles. 1,888,042; Nov. 15.
Compound and base for use in the manufacture of greases. A. Horwitz. 1,882,664; Oct. 18.
Compound and preparing same, Accelerator. D. H. Powers. 1,850,136; Mar. 22.
Compound and process for treating vegetable and animal fibers and fabrics. R. Feibelmann. 1,892,548; Dec. 27.
Compound eccentric mechanism. G. C. Cooper. 1,879,854; Sept. 6.
Compound for preparing molds for metal castings. G. H. Goldsmith. 1,886,983; May 10.
Compound for preventing cannibalism in chickens. J. A. Lockwood. 1,877,676; Sept. 13.
Compound for purifying oils. H. H. Moreton. 1,851,204; Mar. 29.
Compound for purifying oils. H. H. Moreton. 1,885,619; Nov. 1.
Compound for the prevention and treatment of anemia. E. B. Hart. 1,877,237; Sept. 13.
Compound for treatment of oils. H. H. Moreton. 1,851,203; Mar. 29.
Compound for treatment of oils. H. H. Moreton. 1,881,217; Oct. 4.
Compound for use in casting metals. B. F. Wallace. 1,866,278; July 5.
Compound, Grinding. R. S. McClaughry. 1,855,195; Apr. 26.
Compound having an affinity for cotton. W. Lange. 1,859,705; May 24.
Compound lining machine. J. F. Peters. 1,848,382; Mar. 8.
Compound meter. A. G. Holmes. 1,842,267; Jan. 19.
Compound of the anildonaphthanthrapyridine series, R. Heidenreich. 1,847,561; Mar. 1.
Compound of hexametbylenetetramine and diphosphoric acid and making same. E. Freund. 1,889,090; Nov. 29.
Compound of quinolines and barbituric acids and producing same, Addition. F. Mietzsch. 1,879,389; Sept. 27.
Compound of the 1-phenyl-2-alkylamino-alcohol-1 series hydroxylated in the aliphatic residue and preparing them. M. Bockmühl, G. Ehrhart, and L. Stein. 1,877,756; Sept. 20.
Compound of the thiazolanthrone sulphone series and making same. H. Ritter and A. Holl. 1,867,097; July 12.
Compound, Producing an antiknock. H. K. Ibrig. 1,844,362; Feb. 9.
Compound, Producing moldable. J. Mursch. 1,869,490; Aug. 2.
Compound, Waterproofing. J. P. Mjorud. 1,855,305; Apr. 26.
Compounds, Catalytic oxidation of organic. A. O. Jaeger. 1,851,363; Mar. 29.
Compounds, Catalytic side chain oxidation of aromatic. A. O. Jaeger. 1,851,361–2; Mar. 29.
Compounds of cellulose-xantho-fatty acids and producing them, Water soluble. L. Lilienfeld. 1,890,393; Dec. 6.
Compounds containing aluminum and fluorine, Manufacture of. H. Finkelstein and F. Achterberg. 1,872,716; Aug. 23.
Compounds from the refining wastes of cracked products, particularly cracked benzines, Preparing valuable. W. Von Piotrowski and J. Winkler. 1,869,231; July 26.
Compounds, Manufacture and production of base-exchanging. T. P. Hilditch and H. J. Wheaton. 1,848,127; Mar. 8.
Compounds normally containing water of crystallization, Preparing in partially dehydrated form metallic. S. B. Heath. 1,851,309; Mar. 29.

Compounds of alkaline earth metal nitrites with methyl xanthines and the products, Preparing. H. Kaufmann. 1,865,111 ; June 28.
Compounds of amido-pyrin with ethyl isopropyl barbituric acid, Molecular. W. G. Christiansen. 1,856,620 ; May 3.
Compounds of diphenol isatins and quinoline or isoquinoline bases, Double. R. Berendes and F. Mietzsch. 1,861,904 ; June 7.
Compounds of 1.4-diamino-2-halogen- or 2.3-halogen-anthraquinones and preparing them, Monodiazo. W. Albrecht. 1,851,969 ; Apr. 5.
Compounds of the acridine series and making the same. W. Schulemann, F. M. Mietzsch. and A. Wingler. 1,889,704 ; Nov. 29.
Compounds of the acridine series, Double. K. Schranz and B.-J. Muller. 1,870,539 ; Sept. 27.
Compounds of the carnallite type, Producing. O. Kaselitz. 1,875,013 ; Aug. 30.
Compounds of the diazine series. W. Schulemann, F. Mietzsch and A. Wingler. 1,879,540 ; Sept. 27.
Compounds of the morpholine series and the products, Manufacture of. J. E. Payman and H. A. Piggott. 1,859,527 ; May 24.
Compounds of the oxazine series. W. Schulemann, F. Mietzsch, and A. Wingler. 1,879,541 ; Sept. 27.
Compounds of the pyridine series, C. Rath. 1,870,203 ; Aug. 2.
Compounds of the 6.6-dialkoxy-thioindigos, New stable reduction. K. Kraus and A. Hgenbcker. 1,844,039 ; Feb. 9.
Compounds, Producing sheeted. J. Mursch. 1,869,491 ; Aug. 2.
Compounds, Treating polymerizable unsaturated. H. A. Bruson. 1,892,101 ; Dec. 27.
Compress. High. G. W. Langford and H. L. Haines. 1,868,752 ; July 26.
Compressed products, Producing. A. Hawerlander. 1,877,864 ; Sept. 20.
Compressing and molding machine. J. A. O'Halloran. 1,869,492 ; Aug. 2.
Compression coupling. A. C. Dobrick. 1,889,778 ; Dec. 6.
Compression regulator, Automatic. W. Wright. 1,891,587 ; Dec. 20.
Compression ring. E. B. Mallory. 1,852,175 ; Apr. 5.
Compressor. R. Bernat. 1,856,019 ; Apr. 26.
Compressor. W. E. Bihl and A. Ramclaw. 1,883,328 ; Oct. 18.
Compressor. J. O. Carrey. 1,858,817 ; May 17.
Compressor. M. A. Caserta. 1,877,809 ; Sept. 20.
Compressor. W. C. Gibson and A. Gabriel. 1,857,276 ; May 10.
Compressor. A. J. Kercher. 1,888,860 ; Nov. 22.
Compressor. R. Laraque. 1,851,193 ; Mar. 29.
Compressor. H. L. Nash. 1,844,436 ; Feb. 9.
Compressor. H. Rand. 1,867,470 ; July 12.
Compressor. F. J. Rayfield. 1,846,655 ; Feb. 23.
Compressor. O. Rosen. 1,844,181 ; Feb. 9.
Compressor. W. J. Rouleau. 1,884,876 ; Oct. 25.
Compressor. W. H. Rudolph. 1,846,360 ; Feb. 23.
Compressor. A. P. Simson. 1,867,681 ; July 19.
Compressor. R. D. and C. H. Smith. 1,890,238 ; Dec. 6.
Compressor. G. J. Spohrer. 1,840,265 ; Jan. 5.
Compressor. R. Stahl. 1,871,826 ; Aug. 16.
Compressor. M. C. Terry. 1,854,318 ; Apr. 19.
Compressor, Air. O. E. Black. 1,849,609 ; Mar. 15.
Compressor, Air. G. J. MacFadden. 1,853,368 ; Apr. 12.
Compressor, Air. J. T. Peterson. 1,872,805 ; Aug. 23.
Compressor, Air. C. Wainwright. 1,842,303 ; Jan. 19.
Compressor, Air or gas. S. R. Hirsch. 1,874,752 ; Aug. 30.
Compressor and gas engine, Combined air. A. F. Michlun. 1,884,077 ; Oct. 25.
Compressor and pump, Rotary. W. P. Dalrymple. 1,864,640 ; June 28.
Compressor and vacuum pump. H. Cooper. 1,854,692 ; Apr. 19.
Compressor and vacuum pump. C. Pfeiffer. 1,890,003 ; Dec. 6.
Compressor and vacuum pump, Hydroair. A. W. Burks. 1,867,651 ; July 19.
Compressor apparatus. A. J. Courtois. 1,889,640 ; Nov. 29.
Compressor control device. C. H. Beck. 1,854,729 ; Apr. 19.
Compressor control system, Automatic. W. E. Hughes. 1,863,851 ; June 21.
Compressor controlling mechanism. L. A. Maxson. 1,863,866 ; June 21.
Compressor cooling system. B. S. Aikman. 1,870,219 ; Aug. 9.
Compressor cylinder. R. C. McAllister. 1,879,370 ; Sept. 27.
Compressor, Elastic fluid. G. E. T. Eyston. 1,858,921 ; May 17.
Compressor, Fluid. C. M. Tursky. 1,871,285 ; Aug. 9.
Compressor, Fluid. C. W. Tursky. 1,880,595 ; Oct. 4.
Compressor for internal combustion engines. P. Dugelay. 1,888,981 ; Nov. 29.
Compressor for refrigerating machines. C. Steenstrup. 1,864,678 ; June 28.
Compressor, High temperature adiabatic. W. E. Goldsborough. 1,873,878 ; Aug. 23.
Compressor impeller, Rotary. A. Meyer. 1,873,974 ; Aug. 30.
Compressor, Index card. E. C. Bullock. 1,891,522 ; Dec. 20.
Compressor, Lubricant. G. F. Thomas. 1,869,722 ; Aug. 2.
Compressor, Lubricant. L. ti. Wheeler. 1,856,965 ; May 3.
Compressor, Lubricant. L. H. Wheeler. 1,883,201 ; Oct. 18.
Compressor or blower, Centrifugal. B. Hoffman. 1,853,973 ; Apr. 12.
Compressor or pump. E. Wilson. 1,843,747 ; Feb. 2.
Compressor or pump. E. Wilson. 1,878,744 ; Sept. 20.
Compressor, Piston ring. H. J. McDevitt. 1,849,532 ; Mar. 15.
Compressor plant. P. Hansen. 1,855,673 ; Apr. 26.
Compressor plate for cabinet drawers. G. H. Dawson. 1,852,737 ; Apr. 5.
Compressor, Pneumatic lubricant. N. W. Morse. 1,881,847 ; Oct. 11.
Compressor, Portable air. T. G. John. 1,842,027 ; Jan. 19.
Compressor regulator, Magnetically operated. W. H. Noble. 1,881,092 ; Oct. 4.
Compressor, Rotary. D. Gregg. 1,842,829 ; Jan. 26.
Compressor, Rotary. F. Horawa. 1,850,394 ; Mar. 22.
Compressor, Rotary. M. E. Jannin. 1,842,940 ; Jan. 26.
Compressor, Rotary. W. E. Shore. 1,848,670 ; Mar. 8.
Compressor, Rotary fluid. F. A. Gerling. 1,857,720 ; May 10.
Compressor, Single stage. F. J. Rayfield. 1,846,656 ; Feb. 23.
Compressor system. F. A. Halleck. 1,864,132 ; June 21.
Compressor system, Liquid-piston type. J. G. DeRemer. 1,880,241 ; Oct. 4.
Compressor unit, Rotary. E. F. Hubacker. 1,884,702 ; Oct. 25.
Compressor unloader. E. W. Swanson and E. A. Hedenstrom. 1,847,229 ; Mar. 1.
Compressor unloading mechanism. H. B. Halvorsen. 1,864,131 ; June 21.
Compressor, Valve spring. N. F. McNaught and E. H. Peterson. 1,858,372 ; May 17.
Compressor, Valve spring. C. Tennyson and A. H. Yordi. 1,856,461 ; Apr. 26.
Compressor, Valve spring. J. E. Wainwright. 1,862,948 ; June 14.
Compressor without glands for use especially in refrigerating machines. L. Roebel. 1,858,904 ; May 17.
Compressors and the like, Lubricating. W. H. Carrier. 1,871,062 ; Aug. 16.
Compressors, Intrigidation for gas. W. E. Goldsborough. 1,872,932 ; Aug. 23.
Compressors, Variable clearance pocket for. C. E. Blank. 1,856,460 ; May 3.
Computer, Board feet. M. G. Tull. 1,857,071 ; May 3.
Computing and printing machine. O. J. Sundstrand. 1,852,742 ; Apr. 5.
Computing device. A. T. Bolton. 1,886,370 ; Nov. 8.
Computing device. T. R. Shaw. 1,892,367 ; Dec. 27.
Computing machine. J. W. Bryce. 1,850,577 ; Mar. 22.
Computing machine. G. O. Degener and J. C. Hochman. 1,879,125 ; Sept. 27.
Computing machine. M. M. Goldberg. 1,874,097 ; Aug. 30.
Computing machine. M. M. Goldberg. 1,874,701 ; Aug. 30.
Computing machine. F. A. Hart. 1,868,062 ; July 19.
Computing machine. F. A. Hart. 1,883,901 ; Oct. 25.
Computing machine. J. C. Hochman. 1,844,470 ; Feb. 9.
Computing machine. J. C. Hochman and G. O. Degener. 1,857,454 ; May 10.
Computing machine. O. J. Sundstrand. 1,885,960 ; Nov. 1.
Computing mechanism. H. M. Jacobs. 1,860,185 ; May 24.
Concave, Automatic adjusting attachment for. N. W. Stephens. 1,857,265 ; May 10.
Concealed heater. J. L. Stevenson. 1,861,484 ; June 7.
Concentrator. M. J. Kramer. 1,883,378 ; Oct. 18.
Concentrator, Dry. H. A. Goold. 1,868,896 ; July 26.
Concertina, Action for a. O. A. Schlicht. 1,890,830 ; Concentric conducting system. H. A. Affel. 1,885,168 ; Nov. 1.
Concrete. C. L. Norton. 1,891,269 ; Dec. 20.
Concrete agitator. G. I. Lockwood. 1,875,622 ; Sept. 6.
Concrete and cement mortar, Making. R. Cross. 1,854,180 ; Apr. 19.
Concrete, Apparatus for mixing. A. Knowles. 1,865,017 ; June 28.
Concrete, Apparatus for transporting and conditioning ready-mixed. E. A. Hoffmann. 1,885,350 ; Nov. 1.
Concrete article, Reenforced. A. H. Lefevre. 1,851,710 ; Mar. 29.
Concrete articles and the like, Making. G. H. Wagner. 1,865,732 ; July 5.
Concrete articles, Coloration of. C. L. Norton. 1,891,479 ; Dec. 20.
Concrete blocks, Apparatus for molding hollow. B. F. P. Foore. 1,857,003 ; May 3.
Concrete building blocks, Manufacture of. F. J. Straub. 1,862,323 ; June 7.
Concrete building mold. C. Wolff. 1,841,074 ; Jan. 12.
Concrete, Cellular. R. K. O. Sahlberg. 1,886,232 ; Nov. 1.
Concrete construction, Ferro. W. G. Goldsmith. 1,845,657 ; Feb. 16.
Concrete cribbing, Reenforced. G. E. Nagel. 1,843,041 ; Jan. 26.

Concrete, Curing. B. T. Anderson. 1,841,928; Jan. 19.
Concrete curing agent. R. Cross. 1,859,253; May 17.
Concrete floor construction. M. S. Goldsmith. 1,870,808; Aug. 9.
Concrete floor construction. H. L. Wells. 1,883,191; Oct. 18.
Concrete floors, Apparatus for laying. H. W. Roos. 1,891,557; Dec. 20.
Concrete form clamp. A. B. Wilson. 1,863,177; June 14.
Concrete form construction. C. I. Williams. 1,851,339; Mar. 29.
Concrete header blocks, Manufacturing. T. W. Caswell and G. A. Kelly. 1,879,841; Sept. 27.
Concrete housing for electrical equipment. B. J. Schwendt and F. B. Wiegand. 1,847,272; Mar. 1.
Concrete in piles, Method and apparatus for placing. M. M. Upson. 1,863,652; July 5.
Concrete insert. L. R. Zifferer. 1,850,276; Mar. 22.
Concrete, Manufacturing. K. Winkler. 1,891,701; Dec. 20.
Concrete mixer. A. E. Mason. 1,878,504; Sept. 20.
Concrete mixer. V. Pispanen. 1,863,029; June 14.
Concrete mixer. H. F. Wilms. 1,888,100; Nov. 15.
Concrete mixer, Truck. G. Jaeger. 1,861,416; May 31.
Concrete mixer, Truck. G. Jaeger. 1,867,838; July 19.
Concrete mixers, Charging device for. J. P. Faber. 1,841,100; Jan. 12.
Concrete mixers, Water controlling apparatus for. E. C. Leach and E. O. Hamren. 1,844,665; Feb. 9.
Concrete mixing machine. K. Fichler. 1,842,879; Jan. 26.
Concrete mixing, spreading and finishing machine. E. H. Lichtenberger. 1,869,902; Aug. 2.
Concrete mixture. H. J. Shaw. Re18,511; July 5.
Concrete molding apparatus. C. Jackson. 1,868,169; July 19.
Concrete molding machine. L. Gelbman. 1,867,144; July 12.
Concrete pile. L. G. Finlay and F. W. Johnson. 1,839,304; Jan. 5.
Concrete piles, Apparatus for forming. E. D. Watt. 1,847,854; Mar. 1.
Concrete piles in situ, Apparatus for the formation of. A. F. Barnes. 1,848,301; Mar. 8.
Concrete piles in situ, Apparatus for the formation of. J. M. Healy. 1,848,325; Mar. 8.
Concrete piling. F. G. Turner. 1,842,849; Jan. 26.
Concrete pipe joint. B. J. Dhropina. 1,880,599; Oct. 4.
Concrete pipe, Reenforced. C. F. Buente. 1,869,183; July 26.
Concrete pipe reinforcement. C. Older. 1,855,807; Apr. 26.
Concrete, Producing. P. Askenasy. 1,886,933; Nov. 8.
Concrete products, Method of and apparatus for manufacturing. H. Lorenz. 1,875,673; May 24.
Concrete, Protecting and curling freshly laid. L. N. Weber. 1,841,931; Jan. 19.
Concrete reenforcing members for. G. I. Stanford. 1,864,773; June 28.
Concrete revetment. A. C. Everham. 1,847,868; Mar. 1.
Concrete road or culvert striping machine. O. C. Kneedler. 1,851,103; Mar. 29.
Concrete road finishing machine. E. G. Carr. Re18,455; May 10.
Concrete structural unit, Precast. R. F. Greenwood. 1,871,318; Aug. 9.
Concrete structure. W. Kleitz. 1,879,319; Sept. 27.
Concrete structure, Reenforced. S. J. Branson. 1,840,304; Jan. 12.
Concrete tamper. N. R. Love. 1,874,559; Aug. 30.
Concrete unit for wall construction. V. V. Pittman. 1,891,837; Dec. 20.
Condensate from gases, Preparing. W. J. D. Van Dijck and H. Hadder. 1,851,607; Mar. 29.
Condensates of the hydrocarbon constituents of natural gases, Apparatus for separating a plurality of. W. M. Parkman. 1,875,199; Aug. 30.
Condensation in refrigerator walls, Preventing. D. F. Keith. 1,857,086; May 3.
Condensation product. H. C. P. Weber. 1,871,641; Aug. 16.
Condensation product and making same. F. Pollak and A. Ostersetzer. 1,854,100; Apr. 19.
Condensation product from a non-hydroxylated benzyl alcohol. M. Weiler and K. Berres. 1,880,566; Oct. 4.
Condensation product, New acrolein. W. Kropp. 1,845,755; Feb. 16.
Condensation product of the anthraquinone series and making same. H. Ritter. 1,877,972; Sept. 20.
Condensation products and making, Resinous. E. J. Pieper. 1,845,330; Feb. 16.
Condensation products and making same, Phenolic. L. Ryck. 1,857,833; May 15.
Condensation products and preparing same, Potentially reactive phenolic. O. A. Cherry and F. Kurath. 1,857,357; May 10.
Condensation products from formaldehyde, thiourea, and urea. A. Gams, G. Widmer, and K. Frey. 1,890,033; Dec. 6.
Condensation products from phosphine oxides and phenolic compounds, New. W. Lommel and H. Münzel. 1,844,015; Feb. 9.
Condensation products, Manufacture of. A. V. Keller. 1,868,067; July 19.
Condensation products, Manufacture of. R. Michel. 1,878,963; Sept. 20.
Condensation products of acetylene and ammonia, Separating. O. Ernst and O. Nicodemus. 1,872,432; Aug. 16.
Condensation products of aldehydes and preparing them, Water soluble viscous. A. Voss. 1,878,040; Sept. 20.
Condensation products of aliphatic aldehyde bisulphite compounds with primary aromatic amines and making same. H. Fritzsche. 1,864,425; June 21.
Condensation products of alkyl-phenols and ketones, Manufacture of. H. Jordan. 1,854,940; Apr. 19.
Condensation products of polyhydric alcohols and aromatic hydrocarbons and producing same, Sulphonated. F. Günther and J. Hetzer. 1,872,736; Aug. 23.
Condensation products of sulphonated aromatic hydrocarbons or hydroxy derivatives thereof with aralkyl halides, Water soluble. A. Thauss, G. Mauthe, and A. Dossenbach. 1,860,487; May 31.
Condensation products of the anthraquinone series and new products of this class, Making. P. Grossmann. 1,868,202; July 19.
Condensation products of the anthraquinone series containing the radicle of formaldehyde in a staple linkage. R. Ed. Schmidt and A. Berliner. 1,855,319; Apr. 26.
Condensation products, Resinous. H. Hoover. 1,853,049; Apr. 12.
Condenser. P. A. Bancel. 1,853,189; Apr. 12.
Condenser. P. A. Bancel. 1,868,622; July 26.
Condenser. P. A. Bancel. 1,886,516; Nov. 8.
Condenser. K. Baumann. 1,852,640; Apr. 5.
Condenser. L. J. Burtough. 1,861,624; June 7.
Condenser. C. H. Caine. 1,890,312; Dec. 6.
Condenser. S. L. Cole. 1,873,548; Aug. 23.
Condenser. H. D. Currier. 1,842,507; Jan. 26.
Condenser. C. H. Davis, jr. 1,873,298; Aug. 23.
Condenser. D. K. Dean. 1,849,057; Mar. 15.
Condenser. W. Dubilier. 1,848,213; Mar. 8.
Condenser. J. A. Fried. 1,870,803; Aug. 9.
Condenser. G. T. Jacocks. 1,865,255; June 28.
Condenser. P. Klein. 1,860,677; May 31.
Condenser. J. P. Lidiak. 1,845,538; Feb. 16.
Condenser. K. M. McLaughlin. 1,849,499; Mar. 15.
Condenser. F. A. Morgan. 1,845,542; Feb. 16.
Condenser. A. Nyman and W. Dubilier. 1,870,961; Aug. 9.
Condenser. C. A. Olson. 1,854,421; Apr. 19.
Condenser. J. H. Smith. 1,845,539–42; Feb. 16.
Condenser. J. H. Smith. 1,845,545–6; Feb. 16.
Condenser. C. B. Tuley. 1,845,543; Feb. 16.
Condenser. C. R. Underlinger. 1,842,201; Jan. 19.
Condenser, Adjustable. W. Dubilier. 1,871,048; Aug. 9.
Condenser, Adjustable. C. B. Hyatt. 1,868,943; July 26.
Condenser and condenser material. R. S. Reynolds. 1,857,476; May 10.
Condenser and heater, Combined. C. E. Lucke. 1,869,973; Aug. 2.
Condenser and holder therefor, Electrolytic. T. J. Schofield. 1,871,012; Aug. 9.
Condenser and making it, Electric. W. H. Priess. 1,844,974; Feb. 16.
Condenser and making same, Electric. G. Washington. 1,860,298; Mar. 22.
Condenser and making the same, Electrical. H. I. Danziger. 1,891,080; Dec. 13.
Condenser and process. W. H. Priess. 1,849,885; Mar. 15.
Condenser and the like, Electrical. A. Joffé. 1,864,828; June 28.
Condenser assembly. P. F. Scofield. 1,872,511; Aug. 16.
Condenser, Automobile. R. C. Pratt. 1,884,213; Oct. 25.
Condenser, Automobile radiator. T. J. Schindler and W. F. Bradley. 1,850,518; Mar. 22.
Condenser, Barometric. R. E. Hellmer. 1,849,798; Mar. 15.
Condenser, Barometric. R. E. Hellmer. 1,878,582; Sept. 20.
Condenser circulating system. H. F. Schmidt. 1,845,547; Feb. 16.
Condenser, Dust. F. H. Wagner. 1,870,351; Aug. 9.
Condenser, Electric. H. Bartel. 1,842,648; Jan. 26.
Condenser, Electric. N. Cabusac. 1,844,930; Feb. 16.
Condenser, Electric. W. J. Davis. 1,851,569; Mar. 29.
Condenser, Electric. E. Hellmuth. 1,841,587; Mar. 1.
Condenser, Electric. A. Kazenmaier and W. Dorn. 1,883,932; Oct. 25.
Condenser, Electric. E. F. Northrup. 1,878,173; Sept. 20.
Condenser, Electric. P. C. Rawls. 1,884,229; Oct. 25.
Condenser, Electric. R. A. Wilkins. 1,886,997; Nov. 8.
Condenser, Electrical. W. Bailey. 1,849,862-3; Mar. 15.
Condenser, Electrical. B. J. Butler. 1,841,572; Jan. 19.
Condenser, Electrical. B. J. Butler. 1,869,131; July 26.
Condenser, Electrical. S. C. Cramer. 1,848,872; Mar. 8.
Condenser, Electrical. J. C. Davidson. 1,891,345; Dec. 20.
Condenser, Electrical. W. Dubilier. 1,862,302; June 7.
Condenser, Electrical. W. Dubilier. 1,870,797; Aug. 9.
Condenser, Electrical. W. Dubilier. 1,870,950; Aug. 9.
Condenser, Electrical. L. Edenburg. 1,845,138; Feb. 16.
Condenser, Electrical. E. H. Gilling. 1,841,582; Jan. 19.
Condenser, Electrical. P. E. Gilling. 1,878,631; Sept. 20.
Condenser, Electrical. F. J. Given. 1,862,570; June 14.

Condenser, Electrical. W. H. Goodman. 1,861,006; May 31.
Condenser, Electrical. E. Haefely. 1,852,718; Apr. 5.
Condenser, Electrical. W. E. Higginbottom. 1,850,105; Mar. 22.
Condenser, Electrical. A. Nyman. 1,845,174; Feb. 16.
Condenser, Electrical. A. Nyman. 1,850,271; Mar. 22.
Condenser, Electrical. A. Nyman. 1,865,640; July 5.
Condenser, Electrical. G. W. Pickard. 1,841,628; Jan. 19.
Condenser, Electrical. W. H. Priess. 1,865,046; June 28.
Condenser, Electrical. W. H. Priess. 1,889,569; Nov. 29.
Condenser, Electrical. J. A. Proctor. 1,869,169; July 26.
Condenser, Electrical. J. A. Proctor. 1,881,130; Oct. 4.
Condenser, Electrical. J. A. Proctor and W. M. Bailey. 1,857,567; May 10.
Condenser, Electrical. J. A. Proctor and W. M. Bailey. 1,869,168; July 26.
Condenser, Electrolytic. R. D. Mershon. 1,874,111; Aug. 30.
Condenser, Electrolytic. R. D. Mershon. 1,889,416; Nov. 29.
Condenser, Electrolytic. S. Ruben. 1,891,207; Dec. 13.
Condenser, Electrostatic. B. J. Butler. 1,841,571; Jan. 19.
Condenser, Electrostatic. S. Ruben. Re18,673; Nov. 29.
Condenser, Electrostatic. W. S. Webster. 1,839,431; Jan. 5.
Condenser, Excited electrolytic. R. D. Mershon. 1,889,415; Nov. 29.
Condenser for use with internal combustion engines, Alcohol. E. Goetzman. 1,839,892; Dec. 6.
Condenser for automobile radiators. J. F. Leanhart. 1,846,974; Feb. 23.
Condenser for refrigerating machines. C. Steenstrup. 1,852,828; Apr. 5.
Condenser for refrigerating machines. C. Steenstrup. 1,873,870; Aug. 23.
Condenser for refrigerating systems. J. B. Replogle. 1,851,329; Mar. 29.
Condenser for ships, Steam. W. T. Dempsey. 1,848,939; Mar. 8.
Condenser for zinc vapors. E. H. Bunce. 1,871,657; Aug. 16.
Condenser, High tension. W. Regerbis and M. Handtrag. 1,870,141; Aug. 2.
Condenser, Mercury. F. B. Prescott. 1,841,913; Jan. 19.
Condenser motor, Single phase. E. C. Sallman. 1,882,733; Oct. 18.
Condenser, Multiple or built-up electrical. P. R. Coursey. 1,841,320; Jan. 12.
Condenser, Oil still. D. W. R. Morgan. 1,853,628; Apr. 12.
Condenser, Power factor. W. Dubilier. 1,842,374; Jan. 26.
Condenser, Rolled. W. Dubilier. 1,870,949; Aug. 9.
Condenser, Rotary variable. A. M. Trogner. 1,860,440; May 31.
Condenser, Sounding. H. Vogt. 1,881,107; Oct. 4.
Condenser, Surface. R. N. Ehrhart. 1,855,390; Apr. 26.
Condenser, Surface. W. Grace. 1,855,231; Apr. 26.
Condenser system. L. A. Gebhard and C. F. Rudolph. 1,862,930; June 14.
Condenser system. A. H. Taylor. 1,875,360; Sept. 6.
Condenser system for rail cars. E. C. Walker. 1,864,286; June 21.
Condenser, Temperature responsive. R. Gunn. 1,862,931; June 14.
Condenser totalizer for remote metering systems. G. G. Waite. 1,845,534; Feb. 16.
Condenser unit, Electrical. W. Dubilier. 1,870,948; Aug. 9.
Condenser unit, Impregnated. M. Kevelson. 1,856,392; May 3.
Condenser, Vacuum. A. Nyman. 1,842,797; Jan. 26.
Condenser, Variable. V. G. Apple. 1,870,084; Aug. 2.
Condenser, Variable. S. Cohen. 1,855,940; Apr. 26.
Condenser, Variable. S. Cohen. 1,885,579; Oct. 18.
Condenser, Variable. W. Dubilier. 1,841,095; Jan. 12.
Condenser, Variable. C. A. Hellmann. 1,845,270; Feb. 16.
Condenser, Variable. W. S. Kellogg. 1,857,155; May 10.
Condenser, Variable electrical. H. Andrewes. 1,840,298; Jan. 12.
Condenser, Variable oscillation. M. G. De Simone. Re18,405; Apr. 5.
Condenser, Variable rotary electric. E. O. Löfgren. 1,878,639; Sept. 20.
Condenser water circulating system. H. F. Schmidt. 1,845,548; Feb. 16.
Condensers, Apparatus for testing. M. H. Bennett. 1,845,576; Feb. 16.
Condensers, Arrangement in. E. G. Sievert and H. Svensson. 1,868,120; July 19.
Condensers, Making. C. H. Caine. 1,890,313; Dec. 6.
Condensers, Method of and apparatus for testing. M. H. Bennett. 1,867,131; July 12.
Condensers of greater breakdown strength, Making wound (roll). A. Meissner. 1,886,236; Nov. 1.
Condensers, True sampling mechanism for cotton. W. E. Corbin. 1,839,374; Jan. 5.
Condensing apparatus. A. B. Modine. 1,844,671; Feb. 9.
Condensing apparatus. C. A. Rainey. 1,891,607; Dec. 20.
Condensing system. P. A. Bancel and J. Kirgan. 1,854,288; Apr. 19.
Condensing system. J. P. Lidiak. 1,845,544; Feb. 16.
Condensing system. J. P. Lidiak. 1,851,050; Mar. 29.
Condiment dispenser. J. G. Rossiter. Des. 87,890; Oct. 4.
Condiment holder set. I. M. Luke. Des. 86,090; Jan. 26.
Condiment shaker. C. F. Degner. 1,868,277; July 19.
Conditioning machine for cloths. E. Wenzel. 1,885,396; Nov. 1.
Conditioning system for cold storage rooms. M. E. Pennington. 1,882,030; Oct. 11.
Conducting means for steam in radial flow steam turbines. A. Lyholm and G. L. B. Wahlsten. 1,870,212; Aug. 2.
Conducting system, Concentric. H. A. Affel. 1,866,611; July 12.
Conduction device, Gaseous. E. E. Charlton. 1,847,927; Mar. 1.
Conduction method and apparatus, Gaseous. C. G. Smith. 1,862,702; June 21.
Conduction tube, Positive column. R. E. Miesse. 1,839,408; Jan. 5.
Conductivity, Means to improve. F. E. Heatwole. 1,882,587; Oct. 11.
Conductor. J. J. Gilbert. 1,860,500; May 31.
Conductor and applying colored surfaces thereto, Insulated. A. P. Hinsky. 1,857,851; Nov. 15.
Conductor and applying colored surfaces thereto, Insulated electric. A. P. Hinsky. 1,890,291; Dec. 6.
Conductor and switch gear, Inclosed electric. C. D. Ains worth. 1,878,999; Sept. 27.
Conductor clamp. A. O. Austin. 1,876,584; Sept. 13.
Conductor clamp. N. A. Wahlberg. 1,851,552; Mar. 29.
Conductor clip. L. M. Persons. 1,865,207; June 28.
Conductor, Composite. H. Scott. 1,872,354; Aug. 16.
Conductor connecter. J. B. Jurad. 1,845,501; Feb. 16.
Conductor, Continuously loaded. W. C. Ellis. 1,868,315; July 19.
Conductor, Continuously loaded. W. Fondiller. 1,855,571; Apr. 26.
Conductor, Continuously loaded communication. J. J. Gilbert. 1,881,480; Oct. 11.
Conductor cord attachment. C. Burkhardt. 1,858,816; May 17.
Conductor, Electric. I. Branthwaite. 1,874,235; Aug. 30.
Conductor, Electric. F. Hendey and J. P. Millwood. 1,861,182; May 31.
Conductor, Electric. H. C. Jennison. 1,843,452; Feb. 2.
Conductor, Electric. T. E. Murray. 1,856,109; May 3.
Conductor, Electric. E. J. Schneider and M. B. Bradt. 1,863,354; June 14.
Conductor, Electric. E. J. Schneider and M. B. Bradt. 1,876,350; Sept. 6.
Conductor, Electric flexible. E. Lund. 1,878,790; Sept. 20.
Conductor, Electrical. C. W. Abbott. 1,841,348; Jan. 12.
Conductor, Electrical. C. W. Abbott. 1,864,512; June 28.
Conductor, Electrical. B. S. Leslie. 1,841,447; Jan. 19.
Conductor, Electrical. J. Maibaum. 1,843,428; Feb. 2.
Conductor, Electrical. R. R. Williams. 1,840,377; Jan. 12.
Conductor, Electrical. E. H. Yonkers. 1,883,269; Apr. 18.
Conductor, Insulated electric. H. Boving. 1,845,041; Feb. 16.
Conductor, Insulated electric. J. H. Young. 1,863,147; June 14.
Conductor, Insulated electrical. H. O. Anderson. 1,848,282; Jan. 5.
Conductor, Insulated electrical. H. O. Anderson. 1,861,404; May 31.
Conductor, Leading-in. J. A. M. Van Liempt. 1,857,203; May 10.
Conductor, Manufacture of continuously loaded. W. M. Bishop. 1,844,114; Feb. 9.
Conductor preparation, Electrical. K. Baranowski. 1,850,738; Mar. 22.
Conductor system, Coaxial. H. A. Affel and E. I. Green. 1,856,204; May 3.
Conductor system, Concentric. E. I. Green. 1,859,390; May 24.
Conductor system for signaling currents. F. A. Cowan. 1,840,434; Jan. 12.
Conductor system, Multiple coaxial. R. G. McCurdy. 1,855,503; Apr. 26.
Conductor system, Triple concentric. E. I. Green. 1,854,255; Apr. 19.
Conductor transmission line, Coaxial. D. A. Quarles. 1,873,477; Aug. 23.
Conductors, Arrangement for connecting or terminating coaxial. E. I. Green. 1,841,673; Jan. 19.
Conductors, Ascertaining the integrity of two line. G. W. Baughman. 1,864,789; June 28.
Conductors, Coating electrical. K. M. Watson. 1,883,155; Oct. 18.
Conductors, Heat treatment of. G. W. Elmen. 1,841,097; Jan. 12.
Conductors, Manufacture of electrical. J. M. G. Fullman and L. J. Rittelmann. 1,863,979; June 21.
Conductors, Process and apparatus for compacting. T. B. Huestis. 1,867,625; July 19.
Conductors, Supporting transmission line. T. Varney. 1,842,809; Jan. 26.

Conductors, Tapered loading of. J. J. Gilbert. 1,856,702; May 3.
Conductors under pressure, Apparatus for sealing. A. J. N. Duclos. 1,850,581; Mar. 22.
Conduit. L. M. Christie. 1,859,864; May 24.
Conduit. M. Hauser. 1,845,836; Feb. 16.
Conduit. M. Hauser. 1,855,519; Apr. 19.
Conduit and coupling for same, Laying multiple. H. Parker. 1,831,913; Oct. 11.
Conduit and pipe clamp. F. B. Thomson. 1,845,365; Feb. 16.
Conduit and tie element therefor, Multiple. H. Parker. 1,861,611; June 28.
Conduit bonding fitting. S. W. Borden. 1,860,802; May 31.
Conduit box. H. D. Betts, jr. 1,887,192; Nov. 8.
Conduit, cable, etc., and making same, Oil-proof flame resisting. J. A. Kennedy. 1,844,324; Feb. 9.
Conduit, Choke-wire. J. A. Kennedy. 1,882,326; Oct. 11.
Conduit connecter. J. R. Foster. 1,852,454; Apr. 5.
Conduit connecter. R. L. Lauer. 1,882,021; Oct. 11.
Conduit control device, Discharge. C. Harris. 1,850,966; Mar. 22.
Conduit cutting apparatus. J. F. Makowski. 1,850,327; Mar. 22.
Conduit, Dredge discharge. C. H. Colton. 1,880,073; Sept. 27.
Conduit, Electric wire. B. N. Brouner. 1,873,815; Aug. 23.
Conduit, Electric wire. E. G. Romeiser. 1,843,835–7; Feb. 2.
Conduit, Electric wire. R. C. Schemmel. 1,859,983; May 24.
Conduit, Electric wire. R. C. Schemmel. 1,880,156; Sept. 27.
Conduit, Electrical wiring. G. L. Chamberlain and G. H. Gneiss. 1,859,259; May 17.
Conduit, etc., Non-sticky flame-proofed electrical. J. A. Kennedy. 1,860,506; May 31.
Conduit fitting. F. J. Raybould. 1,851,729; Mar. 29.
Conduit fitting. E. J. S. Swanson. 1,885,490; Nov. 1.
Conduit fittings. J. G. Bradbury. 1,885,581; Nov. 1.
Conduit, Fluid. L. S. Hamer. 1,864,816; June 28.
Conduit for conveying dust by high pressure, Long distance. F. Münzinger. 1,850,133; Mar. 22.
Conduit for electric wires. R. C. Schemmel. 1,841,257; Jan. 12.
Conduit for piston machines, Supply. E. H. Steedman. 1,864,325; June 21.
Conduit forming apparatus and process. J. F. Murray. 1,887,244; Nov. 8.
Conduit holding device. C. L. Hall. 1,873,881; Aug. 23.
Conduit holding member, Fastener secured. C. L. Knutson. 1,860,861; May 31.
Conduit installation on vehicles. J. Bijur. 1,845,826; Feb. 16.
Conduit, insulation, etc., Oilproofed electrical. J. A. Kennedy. 1,846,599; Feb. 23.
Conduit joint and wrapper therefor. L. M. Christie. 1,845,287; Feb. 16.
Conduit, Laying multiple fiber. E. Burke and J. C. Sherman. 1,868,881; July 26.
Conduit, Metallic. H. A. Gardner. 1,871,508; Aug. 16.
Conduit outlet box and grounding device. J. T. Pearson and R. H. Olley. 1,839,254; Jan. 5.
Conduit outlets, Making. G. A. Lutz. 1,850,803; Mar. 22.
Conduit structure, Flexible. J. H. Phillips. 1,870,021; Aug. 2.
Conduit support. S. N. Buchanan. 1,872,061; Aug. 16.
Conduit system, Concealed electrical. G. L. Chamberlain and G. H. Gneiss. 1,848,435; June 7.
Conduit system, Underground. M. A. Collins. 1,861,436; June 7.
Conduit threader. D. Fisher. 1,862,591; June 14.
Conduit, Trunk. H. L. Rogers. 1,846,147; Feb. 23.
Conduit, Underground. A. R. Lawrence. 1,853,736; Apr. 12.
Conduits, Apparatus for making inter-locking multiple duct. W. McClintock and R. Lacy. 1,873,445; Aug. 23.
Conduits, Coupling fiber. H. Parker. 1,853,698; Apr. 12.
Conduits, Manufacture of rubber. E. C. Kastner. 1,876,241; Sept. 6.
Conduits or the like, Making. E. Babb. 1,876,444; Sept. 6.
Cone discharging apparatus. S. E. Winder. 1,842,812; Jan. 26.
Cone for screw propellers, Flow directing. R. Turola and C. G. Fasceto. 1,841,387; Jan. 19.
Cone-horn combination. A. G. Stephens. 1,878,018; Sept. 20.
Cone, Ice cream. B. Shivek. Des. 86,143; Feb. 2.
Cone, Winding. F. E. Morey. 1,838,410; May 17.
Confection. P. W. Clark. 1,869,464; Aug. 2.
Confection. L. F. Trettin. 1,886,763; Nov. 8.
Confection baking device. W. S. Keyting. 1,882,363; Oct. 11.
Confection, Candy. G. B. Schoenleber. Des. 88,675; Dec. 13.
Confection coating apparatus. O. E. Harris. 1,847,760; Mar. 1.
Confection coating apparatus. I. Shafer. 1,871,089; Aug. 9.
Confection display device. H. H. Logan. 1,866,117; July 5.
Confection, Edible. L. A. Stevenson. 1,878,342; Sept. 20.
Confection, Frozen. M. C. Meagher. 1,882,290; Oct. 11.
Confection making apparatus. H. C. Baum. 1,839,731; Jan. 5.
Confection making apparatus. A. L. Bausman and H. C. Baum. 1,883,482; Oct. 18.
Confection package. R. E. Meany. 1,865,535; July 5.
Confectionery. M. M. Guggenheim and G. R. Baker. 1,859,205; May 17.
Confections, Apparatus for cooling molded. R. Savy. 1,871,346; Aug. 9.
Confections, Apparatus for making frozen. E. M. Peterson. 1,881,965; Oct. 11.
Confections, Apparatus for molding. W. Walter. 1,839,719; Jan. 5.
Confections, Device for making edible. V. and R. Torres. 1,892,370; Dec. 27.
Confections, Process and apparatus for producing frozen. W. T. Comer. 1,874,453; Aug. 30.
Conformator gauge. K. W. Sommer and F. Hauser. 1,856,439; May 3.
Connecter. W. E. Banks and A. F. Stone. 1,856,455; May 3.
Connecter. G. M. Barrow. 1,870,790; Aug. 9.
Connecter. T. Birkenmaier. 1,849,999; Mar. 15.
Connecter. E. O. Bohjolin. 1,872,014; Aug. 16.
Connecter, Adjustable. F. V. Donald. 1,863,970; June 21.
Connecter, Adjustable band. H. F. Shindel. 1,876,770; Sept. 13.
Connecter, Arciess receptacle and plug. E. C. Hellwig. 1,870,625; Aug. 9.
Connecter, Automatic train pipe. M. A. Barber. 1,879,021; Sept. 27.
Connecter, Battery. E. H. Hough. 1,851,359; Mar. 29.
Connecter, Battery terminal. W. J. Agnew. 1,861,290; May 31.
Connecter, Battery terminal. C. P. Kionka. 1,845,089; Feb. 16.
Connecter, Bus-bar. W. Wurdack, jr. 1,863,362; June 14.
Connecter, Bus line jumper. A. L. Van Emden. 1,872,367; Aug. 16.
Connecter, Cable. S. N. Buchanan. 1,885,228; Nov. 1.
Connecter, Cable. A. H. Church. 1,850,533; Mar. 22.
Connecter device, C. L. Snyder. 1,841,221; Jan. 12.
Connecter, Electric. C. M. Petersen. 1,866,985; July 12.
Connecter, Electric test. W. O. Beck. 1,869,181; July 26.
Connecter, Electrical. C. W. Abbott. 1,860,829; May 31.
Connecter, Electrical. M. Alden. 1,840,219; Jan. 5.
Connecter, Electrical. C. F. Carter. 1,871,839; Aug. 16.
Connecter, Electrical. A. B. Dibner. 1,873,559; Aug. 23.
Connecter, Electrical. E. G. Gage. 1,850,583; Mar. 22.
Connecter, Electrical. J. M. Grubble. 1,874,507; Aug. 30.
Connecter, Electrical. R. E. Nichols. 1,845,273; Feb. 16.
Connecter, Electrical. M. MacIntyre. 1,847,122; Mar. 1.
Connecter, Electrical. C. G. Olson. 1,874,593–4; Aug. 30.
Connecter, Electrical. P. P. Pipes. 1,865,720; July 5.
Connecter, Electrical appliance plug. G. J. Meuer. Des. 87,399; July 19.
Connecter fitting and bushing for armored cables. O. A. Frederickson. 1,850,792; Mar. 22.
Connecter fitting for conduits and the like, Swivel. J. E. Mair. 1,880,098; Sept. 27.
Connecter, Flexible. E. J. Dill. 1,871,963; Aug. 16.
Connecter, Flexible. C. R. Short. 1,871,921; Aug. 16.
Connecter for batteries and similar devices. A. J. Park. 1,861,451; June 7.
Connecter for belts. R. Roderwald. 1,874,628; Aug. 30.
Connecter for bracelets. S. A. Johnson. 1,861,700; June 7.
Connecter for bracelets. F. W. Nittel. 1,860,315; May 24.
Connecter for cables. J. C. Damon. 1,886,086; Nov. 1.
Connecter for chains. J. R. Reyburn. 1,875,262; Aug. 30.
Connecter for connecting the cable to a battery post. A. Conrad. 1,868,939; July 26.
Connecter for cordeau bickford. B. J. Duffy. 1,887,122; Nov. 8.
Connecter for electric conductors. J. F. Pagendarm. 1,862,197; June 7.
Connecter for electric conductors. G. T. Tideman. 1,848,442; Mar. 8.
Connecter for electric conductors. H. H. Wermine. 1,862,128; June 7.
Connecter for electrical lines. H. B. Jones. 1,841,736; Jan. 19.
Connecter for milking machines. J. L. Hulbert. 1,858,040; Nov. 15.
Connecter for milking machines, Pneumatic and electric. C. H. Hapgood. 1,882,320; Oct. 11.
Connecter for nipples. C. R. Buchel. 1,847,379; Mar. 1.
Connecter for shock absorber. J. M. Nickelsen. 1,845,095; Feb. 16.
Connecter for train pipes. E. A. Robinson. 1,856,656; May 3.
Connecter for wire fabrics. C. E. Pink. 1,868,586; July 26.
Connecter for wrist-watch straps, bands, bracelets, and linkages. C. H. Kestenman. 1,867,011; July 12.

Connecter, Garment. B. B. Manaster. 1,877,677 ; Sept. 13.
Connecter, Grounding. A. McMurtrie. 1,880,352 ; Oct. 4.
Connecter, Grounding. B. J. Xanchenko. 1,890,105 ; Dec. 6.
Connecter link. R. A. Walter. 1,878,044 ; Sept. 20.
Connecter lock. Automatic train pipe. J. Robinson. 1,890,096 ; Dec. 6.
Connecter, Plug. J. W. Cox. Des. 86,515 ; Mar. 15.
Connecter puller for storage batteries. E. F. H. Grothe. 1,888,800 ; Nov. 22.
Connecter, Separable. H. E. Walker. 1,885,657 ; Nov. 1.
Connecter, Shock absorbing. J. P. Ratigan. 1,873,325 ; Aug. 23.
Connecter, Spring wire. R. M. Browning. 1,847,378 ; Mar. 1.
Connecter, Stranded wire. W. E. Cook. 1,854,783 ; Apr. 19.
Connecter, Swivel electrical. H. Rohrdanz. 1,873,042 ; Aug. 23.
Connecter, Terminal. J. Lofgren. 1,867,918 ; July 19.
Connecter, Terminal. B. O. Merritt. 1,877,142 ; Sept. 13.
Connecter, Threadless. R. P. Dunmire. 1,840,312 ; Jan. 12.
Connecter, Trucking riser. W. H. B. Lavarack. 1,887,271–2 ; Nov. 8.
Connecter, Union. A. Friedman. 1,843,975 ; Feb. 9.
Connecter, Wire. W. B. Sommer. 1,874,825 ; Aug. 30.
Connecter, Wire. H. M. Stieglitz. 1,877,611 ; Sept. 13.
Connecters, Lubricating. B. S. Burrell. 1,857,527 ; May 10.
Connecters, Manufacturing. J. M. Nickelson. 1,881,877 ; Oct. 11.
Connecting apparatus, Electrical. N. H. Watts. 1,871,397 ; Aug. 9.
Connecting branch sleeve. P. Balze. 1,843,191 ; Feb. 2.
Connecting clip, Panel unit. J. A. Bohnsack. 1,842,144 ; Jan. 19.
Connecting device. H. J. L. Frank. 1,887,090 ; Nov. 8.
Connecting device. W. O. Prouty. 1,875,179 ; Aug. 30.
Connecting device. T. Van Tuyl. 1,839,279 ; Jan. 5.
Connecting device, Electric. N. N. Okun. 1,853,173 ; Apr. 12.
Connecting device for securing a tire to the rim of a vehicle wheel. C. C. Blackmore. 1,846,082 ; Feb. 23.
Connecting device for use with stranded metal cables. J. W. Astley. 1,834,911 ; Nov. 17.
Connecting means for electrical switches. L. A. M. Phelan. 1,847,036 ; Feb. 23.
Connecting rod for side rails and posts of bedsteads. H. Rainier. 1,871,199 ; Aug. 9.
Connecting member for continuous fasteners. M. F. Carr. 1,873,747 ; Aug. 23.
Connecting parts. B. T. Andren. 1,872,385 ; Aug. 16.
Connecting rod. D. E. Anderson. 1,847,742 ; Mar. 1.
Connecting rod. S. Bradshaw. 1,839,880 ; Jan. 5.
Connecting rod. E. R. Morgan and C. Zuefle. 1,879,814 ; Sept. 27.
Connecting rod. R. Wintzer. 1,845,467 ; Feb. 16.
Connecting rod. W. H. Yandell. 1,885,976 ; Nov. 1.
Connecting rod assembly. G. R. Poyer. 1,882,092 ; Oct. 11.
Connecting rod construction. J. A. McCormick. 1,884,050 ; Oct. 25.
Connecting rod of engines with radially arranged cylinders. M. J. B. Barbezat. 1,858,793 ; May 17.
Connecting rod, Shock absorbing. D. E. Enright 1,855,627 ; Apr. 26.
Connecting rotatable members. F. W. Peters. 1,861,814 ; June 7.
Connection. L. Brunner. 1,873,281 ; Aug. 23.
Connection. N. W. Dorman. 1,880,894 ; Oct. 4.
Connection. H. H. Rufferdi. 1,854,195 ; Apr. 19.
Connection. E. G. McDonald. 1,872,315 ; Aug. 16.
Connection and making the same, Terminal. F. H. Bullinger. 1,885,108 ; Nov. 1.
Connection, Automobile filling stand. N. A. Carlson. 1,853,014 ; Apr. 5.
Connection, Bus meter. T. F. Noonan. 1,860,263 ; May 24.
Connection, Battery post. H. Weber. 1,855,501 ; Apr. 26.
Connection, Battery terminal. H. C. Terrell and F. A. Kerkhoff. 1,858,288 ; May 17.
Connection between springs and frames. L. E. Pittoni. 1,861,240 ; May 31.
Connection, Boiler-washing blow-off. B. P. Phelps. 1,869,889 ; Aug. 2.
Connection, Brake operating. V. Bendix. 1,872,873 ; Aug. 23.
Connection, Brake operating. B. E. House. 1,872,953 ; Aug. 23.
Connection, Chain. V. Provost. 1,887,430 ; Nov. 8.
Connection, Chuck tap. H. Sadocca. 1,857,381 ; July 12.
Connection, Coupler and yoke. S. B. Haseltine. 1,859,700 ; May 24.
Connection, Cushioning. W. C. Keys, H. W. Steiner, and J. G. Eldridge. 1,859,777 ; May 24.
Connection, Cushioning. H. W. Steiner, J. G. Eldridge, and W. C. Keys. 1,857,168 ; May 10.
Connection, Draft. W. J. Coultas and C. J. Frederiksen. 1,856,468 ; May 3.
Connection, Draft. F. Maines. 1,841,619 ; Jan. 19.
Connection, Driving. H. A. Gehres. 1,866,702 ; July 12.
Connection, Electrical plug and socket. J. B. Tucker. 1,886,137 ; Nov. 1.
Connection, Flange pipe. J. Keulers. 1,868,906 ; July 26.
Connection, Flexible. F. W. Peters. 1,861,753 ; June 7.
Connection, Flexible. G. H. Zouck. 1,849,131 ; Mar. 15.
Connection, Fluid pressure. C. E. Maynard. 1,876,713–14 ; Sept. 13.
Connection, Fluid pressure. C. E. Maynard. 1,878,505 ; Sept. 20.
Connection for all metal rotary hose for oil wells, Universal. C. G. Banks. 1,885,886 ; Nov. 1.
Connection for elastic light and similar fittings, Tubular swivel. H. F. and D. Dugdill. 1,854,890 ; Apr. 19.
Connection for electric lamp sockets, Terminal. I. H. Shalomith. 1,879,768 ; Sept. 27.
Connection for feeding watt-metrical relays adapted to protect electric mains. J. G. Fallou. 1,854,333 ; Apr. 19.
Connection for illuminating device. E. C. Smally. 1,878,608 ; Sept. 20.
Connection for lamp hanger contactors. A. J. Thompson. 1,872,529 ; Aug. 16.
Connection for line protection relays for three phase current. J. Sorge. 1,846,916 ; Feb. 23.
Connection for liquid level indicators. M. Goodloe. 1,886,179 ; Nov. 1.
Connection for meters, By-pass. R. L. Wright. 1,888,524 ; Nov. 22.
Connection for oil refinery fittings, Tube. C. V. Stewart. 1,865,779 ; Nov. 1.
Connection for plumbing systems, Adjustable test. E. W. N. Boosey. 1,873,274 ; Aug. 23.
Connection for power amplifiers. C. F. Goudy. 1,842,351 ; Jan. 19.
Connection for presses, Hydraulic. R. J. Pardee. 1,870,527 ; Aug. 9.
Connection for pump plungers and the like. G. R. Livergood. 1,849,101 ; Mar. 15.
Connection for rail joints, Electrical. E. Woodings. 1,888,648 ; Nov. 22.
Connection for railroads, Adjustable trailing switch. H. B. Taylor. 1,877,742 ; Sept. 13.
Connection for semi-trailers, Automatic air line. D. H. Davis. 1,874,918 ; Aug. 30.
Connection for shackle bolts, Automatically adjustable. F. J. James. 1,887,133 ; Nov. 8.
Connection for tanks, Pipe line. H. Faltermayer. 1,878,834 ; Sept. 20.
Connection for the ends of webs. W. J. Simpson. 1,841,303 ; Jan. 12.
Connection for vehicle springs and making same, End. J. W. Leighton. 1,881,235 ; Oct. 4.
Connection for vehicle springs, End. J. W. Leighton. 1,852,319 ; Apr. 5.
Connection for water closet combinations. B. O. Tilden. 1,867,118 ; July 12.
Connection for web bottom seats. S. S. Bernstein. 1,886,582 ; Nov. 22.
Connection for wiring systems, Grounding. H. A. Calderwood. 1,847,924 ; Mar. 1.
Connection, High frequency meter. C. W. Hansell. 1,874,977 ; Aug. 30.
Connection, Hose. G. E. Terwilliger and S. Cook. 1,853,473 ; Apr. 12.
Connection, Insulated driving. W. E. Krotee. 1,850,210 ; Mar. 22.
Connection, Insulated driving. W. E. Krotee. 1,860,744 ; May 31.
Connection, Making a. W. A. Abegg. 1,873,245 ; Aug. 23.
Construction material and construction. R. Holz. 1,886,810 ; Nov. 8.
Connection, Mechanical. L. R. Ross. 1,859,531 ; May 24.
Connection, Motor and drive. G. W. Hoddy and L. Deutsch. 1,844,122 ; Feb. 9.
Connection, Nonmetallic. N. G. Madge. 1,864,050 ; June 21.
Connection, Nonmetallic. C. Saurer. 1,850,289 ; Mar. 22.
Connection or elbow, Box. E. G. K. Anderson. 1,888,546 ; Nov. 22.
Connection, Pipe. G. M. Etnyre. 1,865,462 ; July 5.
Connection, Pipe. E. James. 1,873,590 ; Aug. 23.
Connection, Pipe. E. James. 1,873,592 ; Aug. 23.
Connection, Radiator. J. James. 1,873,591 ; Aug. 23.
Connection, Resilient. H. D. Geyer. 1,863,370 ; June 14.
Connection, Resilient. J. M. MacLean. 1,884,780 ; Oct. 25.
Connection, Spring. R. R. Searles. 1,877,734–5 ; Sept. 13.
Connection, Spring end. F. J. Bechert. 1,862,501 ; June 7.
Connection, Sucker rod. P. J. McCullough. 1,851,714 ; Mar. 29.
Connection, Suspension spring. L. Saives. 1,862,943 ; June 14.
Connection, Terminal. L. A. Koch, jr. 1,877,671 ; Sept. 13.
Connection, Tie rod end. E. K. Baker. 1,883,748 ; Oct. 18.
Connection, Train pipe. E. E. Gold. 1,848,123 ; Mar. 8.
Connection, Tube. B. L. Quarnstrom. 1,875,885 ; Sept. 6.
Connection, Tube. F. B. Stover. 1,866,914 ; July 12.
Connection, Universal joint drive. C. E. Wyrick. 1,860,762 ; May 31.
Connection, Yieldable. A. A. Ross. 1,883,825 ; Oct. 18.

Connection, Yielding. J. G. Eldridge. 1,872,259; Aug. 16.
Connections between machine parts, Making. W. A. Abegg. 1,865,808; July 5.
Connections for cables, Making. J. C. Damon. 1,855,340; Apr. 26.
Connections for fire-boxes of boilers, Stay-bolt. E. Jöllenbeck. 1,854,038; Apr. 12.
Connections to pressure vessels, Welding tubular. H. O. Follel. 1,847,361; Mar. 1.
Connector, Electric plug. H. H. Wermine. 1,858,196–7; May 10.
Connector, Grounding. B. J. Yanchenko. 1,847,058; Feb. 23.
Conservation separator system. J. P. Walker. 1,860,726; May 31.
Consistency responsive device. S. E. Meyers. 1,884,075; Oct. 25.
Constant line and speaker impedance volume control. L. O. Doran. 1,858,624; Oct. 18.
Constant speed motor. H. M. Stoller. 1,871,347; Aug. 9.
Construction block. A. A. Burgess. 1,850,788; Mar. 22.
Construction material. J. Adler. 1,867,535; July 12.
Construction unit. A. E. Jones. 1,873,417; Aug. 23.
Construction unit. F. W. Shaw. 1,854,769; Apr. 19.
Constructional material. A. C. Fischer. 1,881,440; Oct. 11.
Contact. C. T. Evans. 1,839,538; Jan. 5.
Contact. F. H. Kroger. 1,854,203; Apr. 19.
Contact arms of distributors, Synchronizing double. W. F. Sherman. 1,846,153; Feb. 23.
Contact breaker, Electric. A. P. Young and L. Griffiths. 1,870,063; Aug. 2.
Contact clip. A. G. Steinmayer. 1,864,283; June 21.
Contact clip. A. G. Steinmayer. 1,878,017; Sept. 20.
Contact device. C. W. Murray. 1,890,822; Dec. 13.
Contact device. F. H. Nicholson and H. G. Blosser. 1,861,641; June 7.
Contact device for the supply of current. J. Chevrier. 1,854,885; Apr. 19.
Contact finger assembly for electric controllers. G. J. Lexa. 1,865,638; July 5.
Contact finger for electrical controllers and switches. G. Ellis. 1,892,045; Dec. 27.
Contact for electric circuit breaker and the like. J. Christie. 1,843,804; Feb. 2.
Contact for lamps, Electrical. F. W. C. Neuner. 1,885,467; Nov. 1.
Contact freezing apparatus and method. C. L. Jones and J. D. Small. 1,873,130; Aug. 23.
Contact glass. J. Dallos. 1,869,366; Aug. 2.
Contact head. H. L. Hall. 1,883,650; Oct. 18.
Contact mechanism. L. D. Barrows. 1,841,428; Jan. 19.
Contact, Method and apparatus for promoting. R. R. Collins. 1,868,886; July 26.
Contact method of sulphuric acid manufacture. I. Hechenbleikner. 1,845,413; Feb. 16.
Contact of the pin type. W. J. Gagnon. 1,888,165; Nov. 15.
Contact pins, Method and apparatus for making. E. L. Starr. 1,854,000; Apr. 19.
Contact structure. G. V. Jefferson. 1,849,403; Mar. 15.
Contacting device, Electrical. P. G. Swars. 1,886,758; Nov. 8.
Container. L. C. Ament, now by judical change of name Lucy C. Thomas. 1,865,063; June 28.
Container. O. B. Andrews. 1,839,782; Jan. 5.
Container. J. Barels. 1,839,728; Jan. 5.
Container. H. E. Barroll. 1,845,040; Feb. 16.
Container. G. F. Behringer. 1,887,448–9; Nov. 8.
Container. G. F. Behringer. 1,887,485; Nov. 8.
Container. A. Biedermann. 1,849,065; Mar. 15.
Container. R. S. Bolger. 1,849,270; Mar. 15.
Container. J. W. Burke. 1,840,616; Jan. 12.
Container. S. L. Bursaloff. 1,849,781; Mar. 29.
Container. P. S. Campbell. 1,864,040; June 21.
Container. C. B. Carlson. 1,880,788; Oct. 4.
Container. O. Chilby. 1,842,542; June 26.
Container. H. M. Dillhoefer, jr. 1,884,602; Oct. 25.
Container. J. Dister. 1,884,613; Oct. 25.
Container. A. Duvdi. 1,839,905; Jan. 5.
Container. H. E. Dygert. 1,846,322; Feb. 23.
Container. N. S. Ellsworth. Des. 88,732; Dec. 20.
Container. A. S. Ethridge. 1,856,474; May 3.
Container. F. T. Franz. 1,849,694; Mar. 15.
Container. W. Friedman. 1,854,373; Apr. 19.
Container. A. B. Fuhr. 1,847,703; Mar. 1.
Container. R. H. Gilfillan and A. L. Riche. 1,851,957; Mar. 29.
Container. J. M. Hart and M. P. Chaplin. 1,866,035; July 5.
Container. J. F. Haslett. 1,839,552; Jan. 5.
Container. J. G. Heaslet. 1,859,331; May 24.
Container. W. P. Hicks. 1,857,021; May 3.
Container. W. M. Holloway. 1,884,691; Oct. 25.
Container. A. Holmes. 1,875,379; Sept. 6.
Container. G. T. Horton. 1,885,601; Nov. 1.
Container. W. E. Huenefeld. 1,867,408; July 12.
Container. V. Jones. 1,864,069; June 21.
Container. A. L. Kronquest. 1,849,763; Mar. 15.
Container. W. Kurzschner and C. A. Hilger. 1,872,981; Aug. 23.
Container. C. L'Enfant. 1,877,768; Sept. 13.
Container. E. L. Little. 1,872,771; Aug. 23.
Container. M. Loewenthal. 1,849,537; Mar. 15.
Container. F. Meier. 1,883,390; Oct. 18.
Container. P. W. Miessler. 1,840,677; Jan. 12.
Container. A. W. Miner. 1,866,317; July 5.
Container. L. J. Most. 1,865,639; July 5.
Container. D. R. Richardson and H. M. Wollum. 1,875,497; Sept. 6.
Container. C. Ristow. 1,881,375; Oct. 4.
Container. E. C. Savage. 1,877,979; Sept. 20.
Container. J. E. Sawyer. 1,842,254; June 26.
Container. W. A. Sheaffer. 1,876,152; Sept. 6.
Container. M. Sperling. Des. 88,585; Dec. 6.
Container. A. Stone. 1,892,598; Dec. 27.
Container. H. R. Stubbs. 1,866,230; July 5.
Container. M. Sukoff. 1,862,868; June 14.
Container. M. C. Troyer. 1,892,195; Dec. 27.
Container. F. C. Truesbury. 1,877,372; Sept. 13.
Container. M. Ullman. 1,847,703; Mar. 1.
Container. J. VanBuren. 1,863,259–61; June 14.
Container. G. F. Walter. 1,877,153; Sept. 13.
Container. H. B. Walter. 1,873,351; Sept. 20.
Container. G. A. Weber. 1,878,075; Nov. 8.
Container. H. A. Warren. 1,846,291; Feb. 23.
Container, Ammunition. R. J. Minshall. 1,845,508; Feb. 16.
Container and ashtray, Combined cigarette. M. Altbuch. 1,849,416; Mar. 15.
Container and bottle, Display. J. J. Quinn. 1,849,248; Mar. 15.
Container and cap therefor, Storing and dispensing. C. Jones. 1,842,774; Jan. 26.
Container and case combined for use as a lipstick. A. J. Vercelli. 1,885,654; Nov. 1.
Container and closure device therefor. R. D. Simpson. 1,861,483; June 7.
Container and closure retaining means therefor. E. E. Slick. 1,841,987; Jan. 19.
Container and cooling and self-fastening cap therefor. L. A. Ragan. 1,881,003; May 17.
Container and cutter, Adhesive tape. R. C. Zuckerman. 1,869,729; Aug. 2.
Container and cutting board, Bait. E. E. Wilson. 1,857,072; May 3.
Container and dispenser, Cigarette. A. Schumer. 1,838,790; May 3.
Container and handle means. W. H. Duggan. 1,840,492; Jan. 12.
Container and its manufacture. C. A. Purdy and S. J. Stockfleth. 1,888,288; Nov. 22.
Container and lamp shade, Combined. J. W. and A. B. Hayes. 1,875,483; Sept. 6.
Container and making same. K. Tsuchiya. 1,862,835; June 14.
Container and making the same. L. C. Brooks. 1,855,622; Apr. 26.
Container and making the same. L. Wetherell. 1,851,746; Mar. 29.
Container and making the same, Coin. H. B. Gordon. 1,848,168; Mar. 8.
Container and method for sealing jelly or preserves. M. Grant. 1,846,052; Feb. 23.
Container and/or applicator. M. Levy. 1,862,271; June 7.
Container and preparing same. F. Ricca. 1,864,693; June 28.
Container and process therefor, Slip top. J. E. Gunter. 1,847,528; Mar. 1.
Container and processor, Airtight meat cooking. G. F. Kuhn and H. Jaussaud. 1,845,729; Mar. 8.
Container and relief valve therefor, Vented. C. M. Gere. 1,857,015; May 3.
Container and sealing means therefor. C. H. Draper, H. W. Lees, W. C. Grosser, and J. G. Dunneback. 1,845,078; Feb. 16.
Container and sealing means therefor. J. F. Fetterly. 1,845,082; Feb. 16.
Container and shaving cup. Combined shaving soap. A. T. Cussons. Des. 87,959; Oct. 18.
Container and stand therefor. J. Barels. 1,839,729; Jan. 5.
Container, Ash. H. Delarosa. 1,892,385; Dec. 27.
Container, Ash. O. H. Kraft. 1,867,080; July 12.
Container assembling machine. J. M. Hothersall. 1,884,698; Oct. 25.
Container, Battery. W. J. Sandman. 1,888,890; Nov. 22.
Container, Beverage dispensing. J. M. Travis. Des. 88,846; Dec. 27.
Container, Blade. N. Testi. 1,843,994; Feb. 9.
Container, Bracketed. J. Colaizzi. 1,880,814; Oct. 4.
Container, Bulk freight. J. F. O'Connor. 1,877,028; Sept. 13.
Container, Burial record. T. R. Treiber. Des. 87,176; June 14
Container, Candy display. C. K. Kazanjian. Des. 86,031; Jan. 19.
Container cap. A. G. Cruz. 1,878,265; Sept. 20.
Container carriers, Attachment for. F. K. Fildes. 1,845,593–4; Feb. 16.
Container, Cigar. G. E. Hernis. 1,858,738; May 17.
Container, Cigarette. M. Bertoncini and W. Blatter. Des. 87,059; June 7.
Container, Cigarette. J. W. Maddox. 1,884,080; Oct. 25.
Container, Cigarette. W. E. Molins. 1,842,727; Jan. 26.

Container, Cigarette. W. E. Molins. 1,875,196; Aug. 30.
Container, Cigarette and match. L. P. Perez. 1,889,789; Dec. 6.
Container, Cigarette package. G. de Maziroff. 1,858,199–200; May 10.
Container, Cigarette package. H. Palanjian. 1,846,275; Feb. 23.
Container closure. E. Brewer. 1,850,494; Mar. 22.
Container closure. J. M. Hothersall. 1,847,245; Mar. 1.
Container closure. W. H. Rose. 1,849,330; Jan. 12.
Container closure and applying the same. E. H. Berry. 1,866,920; July 12.
Container closure or bottle cap. W. F. Schmalz. 1,844,442; Feb. 9.
Container closure, Paper. J. R. Van Wormer. 1,854,319; Apr. 19.
Container closure securing device. B. Burvenick. 1,862,783; June 14.
Container closures, Forming. E. Brewer. 1,850,493; Mar. 22.
Container, Collapsible. R. L. Cobb. 1,883,577; Oct. 18.
Container, Collapsible. A. S. Fogler. 1,892,140; Dec. 27.
Container, Collapsible. W. J. Geist. 1,867,314; July 19.
Container, Collapsible. J. L. Larkin. 1,860,349; May 31.
Container, Collapsible. E. A. Whittle. 1,883,207; Oct. 18.
Container, Combination display and shipping. H. T. Fogg. 1,839,752; Jan. 5.
Container, Combination tissue. S. Berger. 1,889,012; Nov. 29.
Container, Combined cap and dental floss. H. N. Booth and L. Westgate. 1,858,154; May 10.
Container, Combined hermetic and hinged closure. I. D. Thornburgh. 1,864,698; June 28.
Container, Confection. J. S. Hartig. 1,856,634; May 3.
Container, Cosmetic. A. G. Shields. 1,860,694; May 31.
Container, Cosmetic. M. K. Slezak. 1,868,399; July 19.
Container, Cosmetic. M. L. Yarcho. 1,872,864; Aug. 23.
Container, Deodorant. H. I. Koppelman. 1,880,962; Oct. 4.
Container, Dispensing. A. J. Chamberlain. 1,877,226; Sept. 13.
Container, Dispensing. E. G. Levkoff. 1,874,318; Aug. 30.
Container, Dispensing. W. E. Turner. 1,875,781; Sept. 6.
Container, Dispensing. J. A. Villochi. 1,880,163; Sept. 27.
Container, Dispensing and massage. H. R. Priest. 1,856,507; May 3.
Container, Display. G. B. Allen. 1,857,231; May 10.
Container, Display. H. W. Block and B. H. Christenson. 1,878,813; Sept. 20.
Container, Display. F. J. Bourn, P. L. Crane, and C. D. Vest. 1,850,441; Mar. 22.
Container, Display. J. H. Brooks. Des. 86,761; Apr. 19.
Container, Display. O. Y. Schnering. 1,862,863; June 14.
Container, Display card. A. H. Galbraith. 1,884,971; Oct. 25.
Container, Display packer's. W. F. Punte. 1,866,224; July 5.
Container, Drum. H. R. Bliss and H. G. Allen. 1,869,929; Aug. 2.
Container, Easy opening. E. E. Barlow. 1,850,911; Mar. 22.
Container, Easy opening. A. L. Kronquest. 1,862,509–10; June 7.
Container, Easy opening. J. H. O'Neill. 1,839,990; Jan. 5.
Container, Easy opening. W. F. Punte. 1,849,768; Mar. 15.
Container, Easy opening. W. F. Punte. 1,860,201; May 24.
Container, Egg. C. F. Sweasey. 1,861,557; June 7.
Container, Fiber. C. W. Stuart. 1,871,567; Aug. 16.
Container, Filing. G. J. Purucker. 1,862,861; June 14.
Container filling machine. R. N. Cundall. 1,879,704; Sept. 27.
Container filling machine. F. B. Reid. 1,858,417; May 17.
Container, Fire extinguisher. C. H. Meigs. 1,866,981; July 12.
Container, Fireproof filing. B. F. Hannum. 1,864,350; June 21.
Container, Flat object. L. L. Cunningham. 1,850,790; Mar. 22.
Container, Flexible sharp freezing. L. G. Copeman. 1,870,602; Nov. 27.
Container, Folding. I. Appelbaum. Re18,477; May 24.
Container, Food. J. C. Hormel. Des. 87,115; June 7.
Container for adhesive plaster and the like. E. H. Kneen. 1,879,755; Sept. 27.
Container for attachment to barbers' chairs, Hygienic collar strip. Totterdell. 1,866,370; July 5.
Container for batteries or the like. P. F. Boeye. 1,882,565; Oct. 11.
Container for camphor balls. S. Joseph. 1,842,905; Jan. 26.
Container for candy or the like. J. Siciliani. Des. 85,969; Jan. 5.
Container for centrifugal machines, Rotary. H. Janssen. 1,892,057; Dec. 27.
Container for cigarette packages. F. W. von Meister. 1,860,637; May 31.
Container for cigars, Tube-like. C. W. Müller. 1,886,115; Nov. 1.

Container for compressed or liquefied gas. R. G. Wulff and C. V. Moody. 1,863,958; June 21.
Container for confectionery and other goods. R. M. Elliott. 1,847,301; Mar. 1.
Container for container cars, Air and moisture proof. G. C. Woodruff. 1,864,684; June 28.
Container for cooling and dispensing water or beverages. E. Dym. Des. 87,741; Sept. 13.
Container for distributing or sorting apparatus. J. J. M. L. Marchand and J. C. Andriessen. 1,852,428; Apr. 5.
Container for film and handling the same. B. A. Proctor. 1,871,237; Aug. 9.
Container for films and handling the same. W. D. Foster. 1,871,232; Aug. 9.
Container for films and handling the same. B. A. Proctor. 1,871,234; Aug. 9.
Container for films and handling the same. B. A. Proctor. 1,871,236; Aug. 9.
Container for fish lines, Transfer. J. T. Crandall. 1,850,074; Mar. 22.
Container for flashlights and the like. B. Held. 1,869,029; May 24.
Container for fly hooks and plain hooks. P. B. Bekeart. 1,888,304; Nov. 22.
Container for food products. R. M. Woods. 1,889,882; Dec. 6.
Container for fragile articles. H. A. Inman. 1,866,354; July 5.
Container for frozen fruit juice, sherbets, ice cream, and the like. E. C. Hughes. 1,844,066; Feb. 9.
Container for gramophone needles. E. W. Keesey. 1,868,066; July 19.
Container for ground coffee and the like. C. Hammond. 1,841,179; Jan. 12.
Container for ice cream and the like, Wafer. J. H. Dicker. Des. 88,143; Nov. 1.
Container for lip-sticks and the like. A. Janer. 1,859,934; Mar. 22.
Container for liquids, Sterilizing. G. A. Krause. 1,883,967; Oct. 25.
Container for matches and fragments thereof. B. F. Callender. 1,839,737; Jan. 5.
Container for milk bottles and the like. J. C. Farrington. 1,863,301; June 21.
Container for motor automobiles, Record. I. E. Dugan. 1,885,692; Nov. 1.
Container for moving advertising signs and the like. M. J. Cohan. 1,890,600; Dec. 13.
Container for packing and displaying merchandise. F. Reichel. 1,868,374; July 19.
Container for paper in rolls. J. V. Duffin. 1,885,996; Nov. 1.
Container for paper rolls. W. B. Powell. 1,847,896; Mar. 1.
Container for paper rolls, Dispensing. N. G. Begle. 1,887,912; Nov. 15.
Container for poison syrup and the like. C. P. Hurley. 1,870,628; Aug. 9.
Container for preserving animal life. G. F. Knoernschild. 1,846,563; Feb. 2.
Container for printing plates, electrotypers' mats, etc., Shipping. W. W. McCarroll. 1,890,467; Dec. 13.
Container for pulverulent or granulated substances. J. E. B. Maillard. 1,890,522; Dec. 13.
Container for safety razors, Adjustable. H. Natkiel. 1,869,860; Aug. 2.
Container for shaving soap. O. G. Roura. 1,891,243; Dec. 20.
Container for sheets, Shallow drawer. H. L. De Lisle. 1,890,216; Dec. 6.
Container for tables. E. W. Ungeheuer. 1,857,522; May 10.
Container for toilet articles. W. Friedman. Des. 86,082; Jan. 26.
Container for toilet bowls, Deodorant. W. S. Duwelius. 1,880,912; Oct. 4.
Container for toilet preparations. C. T. Buechner. 1,867,494; July 12.
Container for tooth powder, or similar medical products. G. Horváth. 1,881,316; Oct. 4.
Container for transportation of goods, Freight handling. J. G. de Andia Yrarrázaval. 1,843,505; Feb. 2.
Container for transporting stacked articles. G. W. Butts. 1,875,702; Sept. 6.
Container for umbrellas. J. A. Maxwell, jr. 1,861,061; May 31.
Container for use with refrigerators and display counters. C. Domm. 1,887,402; Nov. 8.
Container for vending machine goods. G. D. Barok and B. H. Slater. 1,863,001; June 14.
Container for whipped cream, Dispensing. L. A. Wilson. 1,851,794; Mar. 29.
Container forming machine. J. M. Hothersall. 1,872,294; Aug. 16.
Container forming mechanism. E. C. Angell. 1,873,254; Aug. 23.
Container, Freezing. R. H. Chilton. 1,873,287; Aug. 23.
Container, Freight. J. F. McGinness. 1,857,468; May 10.
Container, Freight car. G. C. Woodruff. 1,847,158; Mar. 1.
Container, Garment shipping. F. Roempler. 1,862,829; June 14.

Container, Glass. A. G. Hamilton. Des. 87,343; July 12.
Container, Glass. C. Hammer. 1,849,522-3; Mar. 15.
Container, Glass. C. G. Hilgenberg. 1,866,770; July 12.
Container, Grenade or pressure. B. C. Goss. 1,878,490; Sept. 20.
Container, Group. L. H. Scurlock. Des. 88,110–12; Oct. 25.
Container handling and dumping device. P. S. McCann and W. C. Spousta. 1,855,862; Apr. 26.
Container handling apparatus. L. De Markus and F. A Fouse. 1,892,042; Dec. 27.
Container handling device. A. Rickenbacker. 1,885,291; Nov. 1.
Container, Hat delivery. S. J. Johnson. 1,885,205; Nov. 1.
Container, Heat exchanging. B. Lindemann. 1,857,087; May 3.
Container, Heat insulating. N. Forrest. 1,877,290; Sept. 13.
Container, Hermetic. R. Elssner and R. H. Carter. 1,887,626; Nov. 15.
Container, Hood capping. W. L. Wright and L. D. Pierce. 1,857,073–5; May 3.
Container, Hood capping. W. L. Wright and L. D. Pierce. 1,884,952; Oct. 25.
Container, Ice cream. H. N. Leiper. 1,875,044; Aug. 30.
Container, Ice cream. G. T. Parr. 1,850,356; Mar. 22.
Container, Ice cream. S. J. Benn. Des. 87,356; Oct. 18.
Container, Key. L. L. Sherwood. 1,857,336; May 10.
Container, Knockdown corner locking paper. E. S. Gomes. 1,874,702; Aug. 30.
Container, Lipstick. A. S. Lyhne. 1,849,531; Mar. 15.
Container, Liquid. S. Wachsman. 1,851,073; Mar. 29.
Container, Liquid. P. Wisner. 1,842,228; Jan. 19.
Container, Liquid dispensing. L. E. Anderson. 1,840,283; Jan. 5.
Container, Liquid dispensing. R. B. Munday. 1,865,269; June 28.
Container, Liquid soap. A. E. Westwood. 1,848,758; Mar. 8.
Container, Loose powder. J. Brandstetter. 1,843,912; Feb. 9.
Container, Loose powder. N. Kasdan. 1,847,948; Mar. 1.
Container, Loose powder. N. Kasdan and R. Landwehr. 1,855,170; Apr. 19.
Container, Loose powder. H. S. Nelman. 1,866,376; July 12.
Container, Low temperature dispensing. G. R. Webber. 1,853,390; Apr. 12.
Container, Malted milk. A. Coors. 1,887,345; Nov. 8.
Container, Match. R. S. Lindmark and F. C. Kaufmann. 1,863,724; June 21.
Container, Match. M. E. Moore. 1,846,893; Feb. 23.
Container, Measuring and dispensing. B. M. Oswell. 1,859,109; May 17.
Container, Memorial. H. E. Carsey. 1,856,619; May 3.
Container, Metal. J. C. Fogarty. 1,844,846; Feb. 9.
Container, Metal. A. L. Kronquest. 1,846,739; Feb. 23.
Container, Metal. L. M. Piker. 1,873,720; Aug. 23.
Container, Metal. W. C. Punte. 1,849,312; Mar. 15.
Container, Metal. W. F. Punte and C. J. Aulbach. 1,850,894; Mar. 22.
Container, Metal. J. H. Renshaw. 1,883,823; Oct. 18.
Container, Metal shipping. H. W. Monson. 1,864,313; June 21.
Container, Meter. P. C. and A. F. Bond and E. Orlando. 1,883,507; Oct. 18.
Container, Milk bottle. L. Hinkley. 1,851,512; Mar. 29.
Container, Multiple-opening ice-cream. S. J. Benn. Des. 87,955; Oct. 18.
Container, Novelty. M. M. Friedmann. Des. 86,711; Apr. 12.
Container or carton, Paper board shipping. P. Drewsen. 1,880,897; Oct. 4.
Container, Overhead car body section, Shipping. G. R. Meyercord and O. H. Basquin. 1,857,653; May 10.
Container or holder for sticks of shaving soap and cosmetics. H. W. K. Pears. 1,851,322; Mar. 29.
Container, Package. B. Berg, W. R. Zuhlke, and W. E. Kugeman, jr. 1,858,198; May 10.
Container, Package. F. C. Hannaford. 1,865,688; July 5.
Container, Packing and display. J. J. Gaffney. 1,890,285; Dec. 6.
Container, Paper. A. H. Bedworth. 1,876,484; Sept. 6.
Container, Paper. L. B. Koch and J. Buchina. 1,877,894; Sept. 20.
Container, Paper. L. B. Koch and J. Buchina. 1,887,688; Nov. 15.
Container, Paper. G. Sherman. Des. 87,362; July 12.
Container, Paper. J. G. Witte. 1,866,496; July 5.
Container-perforating and threading device for stoppers, faucets, and the like. J. M. Angeletti. 1,883,451; Oct. 18.
Container, Phosphorus. J. E. Mills. 1,858,456; May 17.
Container, Pie. J. B. Fisher. 1,848,120; Mar. 8.
Container-piercing mechanism. J. N. Hunter. 1,881,608; Oct. 11.
Container, Portable refrigerating. J. L. Wood. 1,864,574; June 28.
Container, Powder. G. Klotz. 1,855,399; Apr. 26.
Container, Razor blade. H. Swan. 1,863,074; June 14.
Container, Reenforced. W. E. Kaiser. 1,840,940; Jan. 5.
Container, Refrigerant. E. D. Kohr. 1,853,819; Apr. 12.
Container, Refrigerated. J. W. Hill. 1,879,241; Sept. 27.
Container, Refrigerating. C. S. Andrews. 1,883,450; Oct. 18.
Container, Refrigeratory. J. Weinstein. 1,843,055; Jan. 26.
Container, Refrigeratory. J. Weinstein. 1,871,829; Aug. 16.
Container, Refuse. E. M. Mueller. 1,867,676; July 19.
Container, Removable. D. W. Perin. 1,862,632; June 14.
Container, Safety match. C. H. Palmer. 1,885,856; Nov. 1.
Container, Sanitary. G. Nickel. 1,887,481; Nov. 8.
Container, Sanitary cleaning medium. J. Colaizzi. 1,868,471; June 14.
Container, Sanitary garbage. S. W. Combs. 1,863,101; June 14.
Container sealer adjusting means. J. L. Ferguson. 1,866,885; July 12.
Container sealing machine. F. Reid. 1,887,699; Nov. 15.
Container, Sealing metal. W. F. Punte. 1,890,193; Dec. 6.
Container seam and making it. C. Stollberg. 1,842,463; Jan. 26.
Container, Sectional. R. W. Hollopeter. 1,872,590; Aug. 16.
Container, Sectional display. A. F. Soben. 1,883,419; Oct. 18.
Container, Sheet metal. A. G. Hopkins. 1,880,250; Oct. 4.
Container, Sheet metal. C. H. Rollason. 1,869,348–9; July 26.
Container, Sheet metal. E. Schmidt. 1,869,511; Aug. 2.
Container, Shipping. W. M. Bell. 1,854,730; Apr. 19.
Container, Shipping. W. R. Brown. 1,846,540; Feb. 23.
Container, Shipping. J. Christiansen. 1,874,901; Aug. 30.
Container, Shipping. A. Kecnan. 1,865,633; July 5.
Container, Shipping. F. J. Heacock. 1,871,610; Aug. 16.
Container, Shipping. M. R. Kondolf. 1,847,694; Mar. 1.
Container, Shipping. H. Lohmann and G. W. Kaestner. 1,885,456; Nov. 1.
Container, Shipping. G. R. Meyercord and O. H. Basquin. 1,892,406; Dec. 27.
Container, Shipping. G. Tilden. 1,851,297; Mar. 29.
Container, Soap. T. W. Miller. 1,854,415; Apr. 19.
Container stopper. A. Keenan. 1,865,764; July 5.
Container, Sugar dispensing. S. R. Land. 1,845,981; Feb. 16.
Container, Sugar dispensing. G. Moldovan and S. Németh. 1,857,764; May 10.
Container, Tarnishproof. G. E. Herring. Re18,379; Mar. 8.
Container, Ticket. P. P. Beyer. 1,869,043; July 26.
Container, Ticket. A. Helfrich. 1,842,170; Jan. 19.
Container, Toilet accessories. A. G. Shields. Des. 87,028; May 24.
Container, Toilet accessories. N. Weidner. 1,849,126; Mar. 15.
Container, Toilet accessory. W. H. Green. Des. 86,084; Jan. 26.
Container, Toothbrush. R. T. Case. 1,840,433; Jan. 12.
Container vacuumizing and sealing machine. A. L. Kronquest. 1,846,120; Feb. 23.
Container, Ventilated. J. W. Kieckhefer. 1,842,614; Jan. 26.
Container wall and bushing fitting in combination therewith. E. E. Cooper. 1,856,747; May 3.
Container washing machine. J. Hauk. 1,879,224; Sept. 27.
Container, Waste paper. S. D. Hearne. 1,888,127; Nov. 15.
Container with applicator. A. Evensen. 1,846,711; Feb. 23.
Container with nonbuckling flanged head and making same. Paper. A. Moore. 1,851,287; Mar. 29.
Container with opening equipment. M. E. Rauber and C. L. Rogers. 1,882,094; Oct. 11.
Container with removable cover. J. H. Lambert. 1,854,993; Apr. 19.
Containers, Accessory for. F. Wolf. 1,884,472; Oct. 25.
Containers and holder therefor, Combined set of condiment. I. M. Luke. Des. 86,729; Apr. 12.
Containers and holder therefor, Combined set of toilet accessory. R. O. Nereim. Des. 88,167; Nov. 1.
Containers and method of testing containers, Testing sealed. J. C. Karnes and G. J. Kessenich. 1,843,234; Feb. 2.
Containers. Apparatus for forming paper. E. C. Angell. 1,849,861; Mar. 15.
Containers, Apparatus for sealing paper. E. C. Angell. 1,881,340; Oct. 4.
Containers, Apparatus for sterilizing. C. R. Cook. 1,853,355; Apr. 12.
Containers, Apparatus for treating the contents of closed. A. R. Dunbar. 1,851,820; Mar. 29.
Containers, Can separator for shipping. M. R. Shofer. 1,859,537; May 24.
Containers. Cleaning lubricant. W. L. Osborne. 1,884,820; Oct. 25.
Containers, Closure for. A. M. Monarch. 1,880,022; Sept. 27.
Containers, Device for attachment to. R. R. Brown. 1,864,526; June 28.
Containers, Device for inflating. H. J. Neumiller. 1,877,949; Sept. 20.

Containers, Device for timing and feeding. H. A. Fink. 1,851,167 ; Mar. 29.
Containers, Folding device for. G. C. Woodruff. 1,840,927 ; Jan. 12.
Containers, Illuminating dispensing. H. E. Hutchison. 1,843,512 ; Feb. 2.
Containers, Making metallic. J. Sinko. 1,839,272 ; Jan. 5.
Containers, Manufacturing. L. A. Becker and J. M. Munson. 1,845,391 ; Feb. 16.
Containers, Method of and apparatus for closing and sealing. D. Belcher. 1,868,686 ; July 26.
Containers, Opening. L. B. Winton. 1,849,261 ; Mar. 15.
Containers or cardboard boxes with flat rectangular bottoms, Apparatus for shaping paper. E. H. Jähne. 1,845,927 ; Jan. 26.
Containers, Producing. H. B. Rudd. 1,864,475 ; June 21.
Containers under negative or positive pressure, Sealing of. A. C. Kipp. 1,850,556 ; May 31.
Containers, Vacuumizing. A. L. Kronquest. 1,888,133 ; Nov. 15.
Containers with carbon dioxide, Charging. W. H. Freygang. 1,886,175 ; Nov. 1.
Containers with fruit and vegetables, Apparatus for filling. H. W. Barnard. 1,860,720 ; May 31.
Containers with liquid, Filling. A. R. Thompson. 1,884,916 ; Oct. 25.
Content indicating mechanism for tanks and the like. C. A. De Giers. 1,875,803 ; Sept. 6.
Continuous conveyer furnace. B. M. Johnson. 1,887,904 ; Nov. 15.
Continuous electric strip annealing furnace. J. C. Bradley. 1,886,631 ; Nov. 8.
Continuous flow tub. C. R. Clarke. 1,856,318 ; May 3.
Continuous or filter hydraulic presses, Oil pressure. T. J. McNulty. 1,841,492–3 ; Jan. 19.
Control and measuring weir, Automatic flow. J. N. Nissen. 1,854,858 ; Apr. 19.
Control apparatus. C. E. Baston and R. C. Jones. 1,850,669 ; Oct. 4.
Control apparatus. K. C. Black. 1,869,536 ; Aug. 2.
Control apparatus. E. S. Bristol. 1,854,922 ; Apr. 19.
Control apparatus. H. H. C. Grondahl. 1,839,477 ; Jan. 5.
Control apparatus. H. Gunn. 1,860,285 ; May 24.
Control apparatus. A. Johansson. 1,841,129 ; Jan. 12.
Control apparatus. J. D. Lowry. 1,861,929 ; June 7.
Control apparatus. W. E. MacCreedy. 1,846,343 ; Feb. 23.
Control apparatus. L. G. Riley. 1,872,342 ; Aug. 16.
Control apparatus. H. Seeley. 1,886,749 ; Nov. 8.
Control apparatus. G. K. Simonds. 1,871,752 ; Aug. 16.
Control apparatus, Automatic. G. W. Hopkins. 1,856,638 ; May 3.
Control apparatus for air pressure pump systems. A. F. Habenicht. 1,850,874 ; Mar. 22.
Control apparatus for electric machines. E. W. Swanson and F. W. Swanstrom. 1,861,588 ; June 7.
Control apparatus for electric signs. F. E. J. Wilde. 1,884,454 ; Oct. 25.
Control apparatus for flying and other controls for aeroplanes or like purposes, Combination. J. Quessette. 1,843,734 ; Feb. 2.
Control apparatus for ganz condensers. T. J. Scofield and W. D. Hiller. 1,871,011 ; Aug. 9.
Control apparatus for gas making machines. J. C. Stelfox. 1,841,340 ; Jan. 12.
Control apparatus for miniature sailboats, Remote. R. Edgar. 1,859,557 ; May 24.
Control apparatus for power operated switch machines. W. H. Hoppe and C. L. Swanton. 1,877,876 ; Sept. 20.
Control apparatus for scrapers, Hydraulic. M. C. Slate. 1,845,349 ; Feb. 16.
Control apparatus, Mechanical. G. B. Schelbell. 1,852,931 ; Apr. 5.
Control apparatus, Remote. H. N. Dixon. 1,860,661 ; May 31.
Control apparatus, Temperature. C. Wilhelm. 1,873,091 ; Aug. 23.
Control, Automatic stop mechanism. A. C. Cary, 3d. 1,869,999 ; Aug. 2.
Control, Automatic suction bell and current. R. L. White. 1,852,867 ; Apr. 5.
Control button for thread bobbins. W. Hengst. 1,865,808 ; July 5.
Control, Carburetor heat. D. Firth. 1,855,129 ; Apr. 19.
Control circuits for fire prevention apparatus. T. T. Allen and J. F. Adams. 1,862,342 ; June 7.
Control contact, Foot. F. J. Bridgeman. 1,869,054 ; July 26.
Control device. G. D. Bower. 1,845,227 ; Feb. 16.
Control device. C. W. Brown and J. A. Soissa. 1,858,389 ; May 17.
Control device. C. L. Bryant. 1,865,672 ; July 5.
Control device. A. T. Crocker. 1,866,347 ; July 5.
Control device. C. T. Evans. 1,889,175 ; Nov. 29.
Control device. J. Kerrigan and A. Roth. 1,866,357 ; July 5.
Control device. G. W. McKee. 1,885,367 ; Nov. 1.
Control device. C. M. Osterheld. 1,865,332 ; June 28.
Control device, Automatic. B. S. Minters. 1,863,164 ; June 14.
Control device, Automatic. K. Schweizer. 1,884,294 ; Oct. 25.
Control device, Automatic. F. F. Uebling. 1,840,546 ; Jan. 12.
Control device, Dual electric circuit. T. H. Ireland. 1,858,779 ; May 17.
Control device for aircraft, Combined steering and stabilizing. M. de Bernardi. 1,877,499 ; Sept. 13.
Control device for alarm mechanism. C. P. Howard. 1,891,540–1 ; Dec. 20.
Control device for conveyers. C. M. Ingwersen. 1,849,228 ; Mar. 15.
Control device for elevators, Floor. S. Cometh. 1,888,907 ; Nov. 22.
Control device for engines and rotors driven thereby. G. Bauer and W. Brose. 1,868,130 ; July 19.
Control device for fluid pressure actuated mechanism. N. Lombard. 1,868,858 ; July 12.
Control device for gas burners, Automatic. R. W. Johnson. 1,872,147 ; Aug. 16.
Control device for heating apparatus. L. W. Eggleston. 1,891,758 ; Dec. 20.
Control device for ignition timers. M. Mallory. 1,859,309 ; May 24.
Control device for internal combustion and other engines. W. F. Stanton. 1,874,377 ; Aug. 30.
Control device for internal combustion engines. J. T. Rice. 1,855,594 ; Apr. 26.
Control device for motor vehicles. L. V. Hass. 1,889,656 ; Nov. 29.
Control device for oil or gas wells. A. N. Clough. 1,851,894 ; Mar. 29.
Control device for pneumatic dispatch tube apparatus. S. Odens. 1,846,449 ; Feb. 23.
Control device for shovel cranes. L. A. Russell. 1,861,511 ; June 7.
Control device for switch mechanism, Temporary. M. E. Henning. 1,891,536 ; Dec. 20.
Control device for towel cabinets, Feed. F. G. Steiner. 1,853,705 ; Apr. 12.
Control device for variable instruments. B. C. Booth. 1,850,656 ; Mar. 22.
Control device for vehicle doors. H. Pieper. 1,864,468 ; June 21.
Control device, Furnace draft. A. D. Arper. 1,865,295 ; June 28.
Control device, Inductive. D. H. Schweyer. 1,840,415 ; Jan. 12.
Control device, Lubricant pressure actuated. A. Penn. 1,853,452 ; Apr. 12.
Control device, Oil well flow. E. H. Griswold and J. C. Nicklos. 1,871,319 ; Aug. 9.
Control device, Pneumatic. C. A. Ives. 1,849,930 ; Mar. 15.
Control device, Remote. J. O. Gargan. 1,862,569 ; June 14.
Control device, Selective. W. B. Jones. 1,855,152 ; Apr. 19.
Control equipment, Automatic. H. Bany. 1,860,166 ; May 24.
Control equipment, Automatic. H. T. Seeley. 1,891,952 ; Dec. 27.
Control equipment, Distant. A. J. Fleig. 1,841,283 ; Jan. 12.
Control equipment for load tap changers, Automatic. F. L. Snyder and H. B. West. 1,874,824 ; Aug. 30.
Control, Film tension. A. F. Victor. 1,855,268 ; Apr. 26.
Control, Fluid operative. W. Page. 1,844,072 ; Feb. 9.
Control for aeroplanes, Dual. W. W. Barry. 1,845,953 ; Feb. 16.
Control for aeroplanes, Flight. R. C. Struble. 1,875,675 ; Sept. 6.
Control for air vehicles, Automatic. A. L. Veit. 1,874,662 ; Aug. 30.
Control for audion amplifiers, Automatic. S. Ballantine. 1,869,331 ; July 26.
Control for automatic storage heaters, Manually operable. C. Lutbe. 1,854,207 ; Apr. 19.
Control for automobiles, Brake and gas. F. Di Trapani. 1,850,744 ; Mar. 22.
Control for battery charging and lighting systems. B. M. Leece. 1,875,041 ; Aug. 30.
Control for burners, Automatic. R. W. Johnson. 1,853,431 ; Apr. 12.
Control for calculating machines, Automatic. G. C. Chase. 1,888,161 ; Nov. 15.
Control for centrifugal machines, Automatic. E. Roberts. 1,861,978 ; June 7.
Control for condensers, Unitary. M. B. West and H. C. Mahlhom. 1,868,553 ; July 26.
Control for Diesel engine units, Multiple. H. T. Herr. 1,839,921 ; Jan. 5.
Control for Diesel engines, Lead. R. Hildebrand. 1,871,268 ; Aug. 9.
Control for Diesel vehicle motors, Hand. G. Weiche. 1,846,237 ; Feb. 23.
Control for dirigible headlights. J. A. Young. 1,855,083 ; Apr. 19.

Control for electric motors. T. W. Delaney. 1,851,896; Mar. 29.
Control for electric tubes. J. D. Le Van. 1,887,766; Nov. 15.
Control for electrical welding currents. W. E. Crawford. 1,857,499; May 10.
Control for electrically driven vehicles. W. A. Stevens. 1,849,735; Mar. 15.
Control for electron tubes. C. Stansbury and G. C. Brown. 1,841,765; Jan. 19.
Control for elevators, System of. C. W. Bassett and H. J. Fear. 1,862,291; June 7.
Control for evaporating apparatus. E. M. Bergh. 1,849,267; Mar. 15.
Control for fire extinguishing apparatus. M. A. Laswell. 1,881,709; Oct. 11.
Control for gas and liquid separators, Fluid. J. P. Walker. 1,846,376; Feb. 23.
Control for gas burners, High and low flame. E. A. Hall and G. S. Burns. 1,874,971; Aug. 30.
Control for hair waving apparatus. G. E. Björkman. Des. 88,747; Dec. 27.
Control for hot and cold air in furnaces, Reversible. A. M. Carder. 1,891,796; Dec. 20.
Control for internal combustion engine fuel supply means, Automatic. R. E. Wing. 1,853,850; Apr. 12.
Control for irrigating systems, Automatic. E. G. Munz. 1,868,801; July 26.
Control for metallurgical furnaces. A. L. Stevens. 1,876,509; Sept. 6.
Control for motor cars, Foot. H. J. Reis. 1,880,152; Sept. 27.
Control for motor-driven apparatus. O. Stamets and L. Duckworth. 1,883,051; Oct. 18.
Control for oil burners. C. L. Rayfield. 1,881,949; Oct. 11.
Control for oil burning apparatus. H. S. Rogers and R. Riddat. 1,849,576; Mar. 15.
Control for phonographs, Automatic. J. P. Stockton. 1,890,797; Dec. 13.
Control for presses or the like, Two-hand. J. Zimarik. 1,880,063; Sept. 27.
Control for pumps, Automatic. L. T. Watry. 1,849,602; Mar. 15.
Control for radio receiving sets, One knob. C. J. Brehany. 1,871,876; Aug. 16.
Control for refrigerating systems. A. C. Schickler. 1,855,909; Apr. 26.
Control for reversible engines. J. N. Kimball. 1,865,861; July 5.
Control for rolls, Automatic side. C. A. Dickhaut. 1,858,436; May 17.
Control for rotary drawworks. J. D. Spalding. 1,850,607; Mar. 22.
Control for scrapers. A. P. Olinger. 1,862,903; June 14.
Control for self-propelled vehicles, Automatic series-parallel. B. O. Austin and S. H. Willby. 1,860,523; May 31.
Control for speed changing mechanism. E. G. Kesling. 1,877,889; Sept. 20.
Control for synchronized drives. E. W. Seeger. 1,841,157; Jan. 12.
Control for the engines of multiple engine machines, Differential and simultaneous. C. Rosatelli. 1,889,295; Nov. 29.
Control for treaters, Synchronous gap potential. H. F. Fisher. 1,884,722; June 28.
Control for valve gear mechanism, Valve lead. J. A. Cotton. 1,860,355; May 31.
Control for valve turning and other operations. D. R. Yarnall. 1,865,645; July 5.
Control for valves, Thermostatic. V. Fina. 1,862,567; June 14.
Control for vehicles, Dual. G. Ajdukovich. 1,843,090; Jan. 26.
Control head. W. L. Church. 1,883,550; Nov. 22.
Control head. H. C. Otis. 1,854,058; Apr. 12.
Control head. F. J. Young and S. W. Long. 1,875,793; Sept. 6.
Control head for oil or gas wells. L. J. Black. 1,872,104; Aug. 16.
Control head for oil wells. C. L. Dean and L. D. Hilton. 1,869,739; Aug. 2.
Control, Hydraulic. W. Ferris and H. F. Patrick. 1,851,502; Mar. 29.
Control instrument switch. T. R. Harrison. 1,842,371; Jan. 19.
Control maintenance in hydraulic transmission. G. E. Hallenbeck. 1,873,396; Aug. 23.
Control means. L. W. Eggleston. 1,858,005; May 10.
Control means for airplanes, Lateral. T. B. Lavelle. 1,857,962; May 10.
Control means for a brake system power unit. F. I. Libbey. 1,850,259; Mar. 6.
Control means for concrete weighing and mixing apparatus. H. C. Robb, sr. 1,855,420; Apr. 26.
Control means for mooring masts. W. V. N. Powelson and W. Travell. 1,853,081; Apr. 12.
Control means for multiple sound reproducers. W. D Smith. 1,851,459; Mar. 29.
Control means for pneumatic ejectors. L. F. Holly. 1,866,806; July 12.
Control means for sheet feeding or delivering or the like. L. E. Miller. 1,871,459; Aug. 16.
Control means for transmitting systems. R. L. Davis. 1,870,795; Aug. 9.
Control means for washing machine roll wringer mechanism. A. W. Altorfer. 1,868,343; July 19.
Control means, Hydraulic. F. N. Whitesell. 1,877,102; Sept. 13.
Control means. P. S. Russel. 1,888,866; Nov. 22.
Control, Mechanical. J. Turner. 1,878,065; Sept. 20.
Control mechanism. L. O. Bird. 1,843,266; Feb. 2.
Control mechanism. C. B. Campbell. 1,875,326; Sept. 6.
Control mechanism. G. A. Cambridge. 1,864,172; June 21.
Control mechanism. G. A. De Langie. 1,855,707; Apr. 26.
Control mechanism. P. and G. A. De Langie. 1,849,481; Mar. 15.
Control mechanism. C. B. Gilmore. 1,841,285; Jan. 12.
Control mechanism. S. J. Lonergan and H. E. Ginther. 1,856,489; May 3.
Control mechanism. J. C. Masek. 1,872,155; Aug. 16.
Control mechanism. C. E. Mason. 1,881,798; Oct. 11.
Control mechanism. J. P. Morley and S. J. Lonergan. 1,856,502; May 3.
Control mechanism. F. G. Rawling. 1,878,179; Sept. 20.
Control mechanism. F. D. Sweet. 1,852,134; Apr. 5.
Control mechanism. C. Volk. 1,864,329; June 21.
Control mechanism. C. G. Wilderson. 1,857,905; May 10.
Control mechanism. W. W. Williams. 1,845,823; Feb. 16.
Control mechanism, Automatic. J. Kantor. 1,870,998; Aug. 9.
Control mechanism, Automatic. W. R. Pendry. 1,865,333; June 28.
Control mechanism, Distant. F. R. House. 1,862,017; June 7.
Control mechanism for calculating machines. J. H. F. Silver. 1,866,930; July 12.
Control mechanism for can machinery, Automatic. H. A. Fink and J. E. Schmidt. 1,848,827; Mar. 8.
Control mechanism for engines. N. Greenwell. 1,886,877; Nov. 8.
Control mechanism for flat knitting machines, Friction box. W. I. Tebo. 1,850,520; Mar. 22.
Control mechanism for flat knitting machines, Yarn carrier stop block. H. F. Paget. 1,881,373; Oct. 4.
Control mechanism for gas producers. F. E. Leahy. 1,865,929; July 5.
Control mechanism for grinding machines. P. Plantinga. 1,873,151; Aug. 23.
Control mechanism for hopper car doors. H. S. Hart. 1,882,217; Oct. 11.
Control mechanism for hydraulic dredging apparatus. C. H. Brunner. 1,842,537; Jan. 26.
Control mechanism for motor cars. R. G. Coates. 1,887,231; Nov. 8.
Control mechanism for outboard motors. O. Evinrude. 1,843,272; Feb. 2.
Control mechanism for panoramic cameras. E. O. Goldbeck. 1,861,386; May 31.
Control mechanism for presses. J. J. Wallbillich and F. J. Potter. 1,863,425; June 14.
Control mechanism for presses and the like. J. A. Hinger. 1,844,935; Feb. 16.
Control mechanism for printing presses, Elevator. C. L. Lee. 1,886,282; Nov. 1.
Control mechanism for pumps. W. Ernst. 1,861,116; May 31.
Controlling mechanism for refrigerating apparatus. J. R. Replogle. 1,862,635; June 14.
Control mechanism for sewage ejectors. H. E. Adams. 1,865,641; Jan. 26.
Control mechanism for turning machines. C. L. Mattison. 1,881,802; Oct. 11.
Control mechanism, Hydraulic. W. S. F. Brown and J. Maina. 1,840,807; Jan. 12.
Control mechanism, Hydraulic. N. W. Dorman. 1,864,530; June 28.
Control mechanism, Lubricant. J. W. Lovell. 1,870,416; Aug. 9.
Control mechanism, Thermostatic. E. L. Fonseca. 1,857,187; May 10.
Control method and apparatus. R. G. Berthold. 1,870,888; Aug. 9.
Control method and apparatus. E. S. Bristol. 1,851,974; Apr. 5.
Control method and apparatus. R. P. Brown. 1,891,617; Dec. 20.
Control method and apparatus. T. R. Harrison. 1,865,373; June 14.
Control of aircraft, Automatic. E. A. Sperry. 1,859,752; May 24.
Control of braking appliances of motor driven vehicles. B. Lormiller. 1,859,708; May 24.
Control of feed and blowdown water, Continuous automatic. C. W. Rice. 1,868,432; July 19.
Control of feeding mechanism in tool machines, Automatic. A. V. Morshon. 1,879,388; Sept. 27.
Control of heat in the distillation of oil. A. C. Spencer. 1,869,626; Aug. 2.
Control of highway crossing signals, Apparatus for the. P. H. Crago. 1,864,805; June 28.
Control of reservoir pressure, Duplex. M. L. Hancock. 1,860,414; May 31.

Control of theater and like lighting systems. R. A. Salaman. 1,874,811 ; Aug. 30.
Control of the charge of a storage battery. System for the. W. C. Leinagne. 1,846,214 ; Feb. 23.
Control of train movements. Method of and apparatus for. F. J. Sprague. 1,889,724 ; Nov. 29.
Control of vessels. System of automatic. J. H. Hammond, jr. 1,861,215 ; May 31.
Control of voltage in dynamo-electric machines. Device for quick. W. Hahnemann and R. Herzog. 1,882,819 ; Oct. 18.
Control of water heaters. Automatic. W. A. Ahern. 1,866,975 ; July 28.
Control panel, Supervisory. O. Plechl and J. Latzko. 1,879,707 ; Sept. 27.
Control switch. Carl L. Mortesen. 1,884,117 ; Oct. 25.
Control switch, Circuit breaker. C. A. Ringbloom. 1,878,602 ; Sept. 20.
Control system. T. J. Atkins. 1,882,726 ; Oct. 18.
Control system. E. S. Bristol. 1,870,984 ; Aug. 9.
Control system. E. S. Bristol. 1,892,135 ; Dec. 27.
Control system. E. M. Clayton. 1,845,481 ; Feb. 16.
Control system. E. M. Clayton. 1,845,489 ; Feb. 16.
Control system. C. B. Connely. 1,863,395 ; June 14.
Control system. W. G. Cook. 1,847,081 ; Mar. 1.
Control system. L. DeFlorez. 1,868,525 ; July 26.
Control system. R. H. Ellis. 1,851,760 ; Mar. 29.
Control system. A. S. Fitzgerald. 1,840,087 ; Jan. 5.
Control system. T. R. Goldsborough. 1,888,721 ; Nov. 22.
Control system. R. P. Jackson. 1,871,696 ; Aug. 16.
Control system. H. D. James. 1,871,697 ; Aug. 16.
Control system. G. C. Jenks. 1,831,599 ; Jan. 5.
Control system. B. W. Jones. 1,843,769 ; Feb. 2.
Control system. B. W. Jones. 1,877,667 ; Sept. 13.
Control system. W. B. Jones. 1,870,851 ; Aug. 9.
Control system. T. P. Kirkpatrick. 1,883,948 ; Oct. 25.
Control system. R. M. Matson. 1,842,976 ; Jan. 26.
Control system. T. McShane. 1,840,122 ; Jan. 5.
Control system. J. Mittnacht. 1,849,847 ; Mar. 15.
Control system. T. B. Montgomery and P. M. Stivender. 1,870,976 ; Aug. 30.
Control system. E. R. Morton. 1,847,191 ; Mar. 1.
Control system. G. W. Müller. 1,846,895 ; Feb. 23.
Control system. H. S. Pardee. 1,881,909 ; Oct. 11.
Control system. D. Santini. 1,848,563 ; Mar. 8.
Control system. C. Schiebeler. 1,855,892 ; Apr. 26.
Control system. H. T. Seeley. 1,843,783 ; Feb. 2.
Control system. H. T. Seeley. 1,892,540 ; Dec. 27.
Control system. J. H. Sole. 1,874,374 ; Aug. 30.
Control system. P. M. Stivender. 1,844,719 ; Feb. 9.
Control system. W. R. Wallace. 1,865,599 ; June 28.
Control system. L. W. Thompson and E. H. Horstkotte. 1,889,616 ; Nov. 29.
Control system. H. A. Wadman and H. W. McIntosh. 1,880,542 ; Oct. 4.
Control, system. M. H. Wels. 1,886,439 ; Nov. 8.
Control system. W. R. Weyerbacher. 1,861,994 ; June 7.
Control system. R. H. Wright. 1,843,588 ; Feb. 2.
Control system, Amplification. O. H. Schade. 1,887,329 ; Nov. 8.
Control system and apparatus. L. Eggert. 1,860,022 ; May 24.
Control system and mechanism. E. J. Perry. 1,865,584 ; July 5.
Control system and motor starter, Electric. P. P. Pipes. 1,853,222 ; Apr. 12.
Control system, Automatic. J. W. Bryce. 1,882,765 ; Oct. 18.
Control system, Automatic. A. C. Singer. 1,882,234 ; Oct. 11.
Control system, Automatic. O. Thompson. 1,869,399 ; Aug. 2.
Control system, Compass. C. L. Hill. 1,885,098 ; Oct. 25.
Control system, Distant. L. F. Carter. 1,853,506 ; Apr. 12.
Control system for aeroplanes, Automatic. Y. H. Koun. 1,890,115 ; Dec. 6.
Control system for airplanes and the like. I. Ludlow. 1,869,326 ; July 26.
Control system for asynchronous machines. G. H. Jump. 1,855,094 ; Apr. 19.
Control system for blast furnace charging equipment. P. B. Harwood. 1,888,501 ; Nov. 22.
Control system for boilers and the like. W. E. Stark. 1,875,947 ; Sept. 6.
Control system for electrical vehicles and the like. L. J. Stephenson and H. J. Framheln. 1,888,297 ; Nov. 22.
Control system for elevators. H. W. Williams. 1,858,283 ; May 17.
Control system for farm lighting plants. L. C. Frank. 1,869,845 ; Aug. 2.
Control system for farm lighting plants. L. C. Frank. 1,869,846 ; Aug. 2.
Control system for fluid fuel burners of the hot wire ignition type. I. E. McCabe. 1,889,447 ; Nov. 29.
Control system for gas burning appliances. V. J. Evans. 1,872,433 ; Aug. 16.
Control system for motor vehicles. H. E. Lippert. Re-18,699 ; Dec. 20.
Control system for motor vehicles. H. E. Lippert. 1,881,025 ; Oct. 4.
Control system for moving objects. T. R. Rhea, J. D. Tear. and C. F. Green. 1,871,469 ; Aug. 16.
Control system for rams. H. W. Landenberger and H. W. Link. 1,863,448 ; June 14.
Control system for roaster furnaces. C. J. King. 1,840,723 ; Jan. 12.
Control system for rolling mills. H. A. Winne. 1,871,437 ; Aug. 16.
Control system for tabulators, Automatic. J. W. Bryce. 1,880,410 ; Oct. 4.
Control system for theater lighting circuits. A. L. Upton. 1,878,304 ; Sept. 20.
Control system, Frequency. W. A. Marrison. 1,882,849 ; Oct. 18.
Control system, Magnetic. W. B. Cooley. 1,845,241 ; Feb. 16.
Control System, of. E. Cannon. 1,885,077 ; Oct. 25.
Control system, Pneumatic. A. C. Couwenhoven. 1,847,688 ; Mar. 1.
Control system, Polyphase motor. B. J. Chromy. 1,854,447 ; Apr. 19.
Control system, Pressure. H. W. Landenberger. 1,855,060 ; Apr. 19.
Control system, Supervisory. T. U. White. 1,871,762 ; Aug. 16.
Control system, Synchronized remote. A. Blondel. 1,874,430 ; Aug. 30.
Control system, Vacuum tube. A. Carpe. 1,859,498 ; May 24.
Control unit, Reversible. A. R. Mabey. 1,841,901 ; Jan. 19.
Control valve equipment for oil and gas wells. E. H. Schneider. 1,889,384 ; Nov. 29.
Controller. O. R. Bulkley. 1,851,154 ; Mar. 29.
Controller, Automatic. F. J. Bast and R. M. Wilhelm. 1,852,102 ; Apr. 5.
Controller, Automatic. A. Rasmussen and W. S. Goodell. 1,867,376 ; July 12.
Controller construction. C. M. Knight. 1,888,089 ; Nov. 15.
Controller for electric motors. P. B. Harwood and J. M. Newman. 1,860,671 ; May 31.
Controller for electric motors. R. G. Lockett. 1,853,826 ; Apr. 12.
Controller for electric motors. E. W. Seeger. 1,848,847 ; Mar. 8.
Controller for induction motors. E. W. Seeger. 1,871,392 ; Aug. 9.
Controller for locks of demountable containers. A. H. Bates and R. H. McBean. 1,887,707 ; Nov. 15.
Controller for locks of demountable containers. B. F. Fitch. 1,887,711 ; Nov. 15.
Controller for motor driven machines. P. B. Harwood and C. Stansbury. 1,882,219 ; Oct. 11.
Controller for pin setting apparatus. J. C. Backus. 1,866,934 ; Feb. 23.
Controlling a traveling web of paper, Means and apparatus for. F. F. Ruau. 1,852,379 ; Apr. 5.
Controlling air pressure in the tires of motor vehicles. R. H. Daneel. 1,855,101 ; Apr. 19.
Controlling and regulating device for compound internal combustion engines with exhaust turbines. A. Buchi. 1,856,024 ; Apr. 26.
Controlling apparatus. C. W. Wyman. 1,844,910 ; Feb. 9.
Controlling apparatus for oil burners. J. N. Macrae and G. P. Packard. 1,888,602 ; Nov. 22.
Controlling apparatus for steam boilers and the like. E. G. McDonnell, L. B. Miller, and O. F. Carlson. 1,854,519 ; Apr. 19.
Controlling apparatus, Remote. B. E. O'Hagan. 1,855,310 ; Apr. 26.
Controlling device. A. J. Weatherhead, jr. 1,867,292 ; July 12.
Controlling device for alterative fluid supply. F. Lawrence. 1,873,897 ; Aug. 23.
Controlling device for cigarette packing machines. G. Örström. 1,868,583 ; July 26.
Controlling device for coin operated musical instruments. F. J. McCormick. 1,851,225 ; Mar. 29.
Controlling device for electrical circuits. H. C. Weller. 1,868,403 ; July 19.
Controlling device for laminated vehicle springs. G. W. Crabtree. 1,858,916 ; May 17.
Controlling device for leaf springs. G. W. Crabtree. 1,860,857 ; May 31.
Controlling device for locomotives. H. Lemp. 1,891,936 ; Dec. 27.
Controlling device for long lengths of spinning material having an appreciable width. F. Litty. 1,886,702 ; Nov. 8.
Controlling device for motion picture projectors. J. G. Greenua. 1,878,494 ; Sept. 20.
Controlling device for steering and stabilizing aircraft, Combined. M. de Bernardi. 1,877,498 ; Sept. 13.
Controlling device for window shade rollers. A. C. Hanson. 1,855,233 ; Apr. 26.
Controlling device, Speed responsive. H. L. Tanner. 1,876,476 ; Sept. 6.
Controlling device, Torsion and coupling. G. A. Montgomery. 1,853,556 ; Apr. 26.
Controlling light. W. H. Eccles and A. Whitaker. 1,879,138 ; Sept. 27.
Controlling means. L. W. Eggleston. 1,841,326 ; Jan. 12.
Controlling means for automobiles, Automatic. W. M. Moxley. 1,843,399 ; Feb. 2.

Controlling means for coil winding machines and the like. C. H. Thordarson. 1,856,672; May 3.
Controlling means for electric conductors. C. L. Taylor. 1,866,681; July 12.
Controlling means for electric device. W. Mentor. 1,846,687; Feb. 23.
Controlling means for electric switches. C. H. Teesdale. 1,854,316; Apr. 19.
Controlling means for heating systems, Automatic. J. J. Mundorf. 1,879,706; Sept. 27.
Controlling means for signaling apparatus. F. B. Rae. 1,853,225; Apr. 12.
Controlling mechanism. J. M. Benjamin. 1,882,748; Oct. 18.
Controlling mechanism, Electric thermally responsive. J. Wenk. 1,854,820; Apr. 19.
Controlling mechanism, Electrical circuit. C. L. Hanel. 1,868,500; July 26.
Controlling mechanism, Fluid-pressure controlled. O. C. Schroeder. 1,884,286; Oct. 25.
Controlling mechanism for engines. C. H. Froelich. 1,860,929; May 31.
Controlling mechanism for gas burning apparatus. N. T. Brandbe and V. O. Beam. 1,847,376; Mar. 1.
Controlling mechanism for locomotive boosters. H. J. Titus. 1,888,778; Nov. 22.
Controlling mechanism for looms, Take-up. J. B. Jackson. 1,845,022; Feb. 16.
Controlling mechanism for pressing machines. E. Davis. 1,854,888; Apr. 19.
Controlling mechanism for record-card-controlled statistical machine. C. Campbell. 1,880,413; Oct. 4.
Controlling mechanism for scale removers and the like. L. F. Rich. 1,874,080; Aug. 30.
Controlling mechanism for shoe machines. C. E. Hood. 1,865,856; July 5.
Controlling movement of vehicles on railroads, Apparatus for. F. J. Sprague. 1,876,032; Sept. 6.
Controlling reactions. R. P. Courtney and V. E. Meharg. 1,840,186; Jan. 5.
Controlling system for receivers, Intensity. L. O. Painter. 1,887,065; Nov. 8.
Controlling the accelerator pedal of a motor vehicle, Automatically. A. E. Libel. 1,864,881; June 28.
Controlling the accumulation of aldehydes in the formation of organic acids from primary alcohols. W. J. Hale and S. Hallabaugh. 1,868,704; July 26.
Controlling the angular movement of a shaft, Mechanism for selectively. A. E. Ellinger. 1,871,672; Aug. 16.
Controlling the character of discharge from a multiple-impulse system, Method and apparatus for automatically. L. L. Corcoran. 1,848,243; Mar. 8.
Controlling the flow of refrigerant in a refrigerating apparatus, Device for. E. H. Threadgill. 1,888,517; Nov. 22.
Controlling the flow of wells, Device for. J. H. Tucker. 1,853,474; Apr. 12.
Controlling the load-speed characteristics of moving systems, Method and apparatus for. E. D. Doyle. 1,864,189; June 21.
Controlling the movement of vehicles on railroads, Apparatus for. F. J. Sprague. 1,860,908; May 31.
Controlling the movement of vehicles on railroads, Apparatus for. F. J. Sprague. 1,869,627; Aug. 2.
Controlling the shearing of metal bars while in motion. J. W. Sheperdson and F. P. Dahlstrom. 1,861,554–5; June 7.
Controlling the shearing of moving material. J. W. Sheperdson. 1,850,519; Mar. 22.
Controlling the soft focus device in cinematographic view taking apparatus, Device for. A. L. V. C. Debrie. 1,873,742; Aug. 23.
Controlling the tension of coils or rolls of flexible material, Means for. F. G. Richardson and A. Spencer. 1,849,383; Mar. 15.
Controls for airplanes, Automatic. J. V. Almeida. 1,851,797; Mar. 29.
Conversion of puverous material into a noduliform state. N. Nielsen. 1,892,074; Dec. 27.
Conversion products of synthetic rubber, Production of. O. Schmidt, G. Niemann, and E. Meyer. 1,882,976; Oct. 18.
Converter. M. Alden. 1,839,634; Jan. 5.
Converter. I. Hechenbleikner and N. Titlestad. 1,889,549; Nov. 29.
Converter and starting the same, Automatic rotary. R. C. Eccleston and L. S. Nippes. 1,892,941; Dec. 27.
Converter hood. L. M. Sheridan. 1,866,824; July 12.
Converter operating device, Automatic. B. S. Hind and W. F. Bell. 1,888,317; Nov. 22.
Converter polarizing system. C. P. West. Re18,391; Mar. 22.
Convertible box. C. H. Kennedy. 1,872,966; Aug. 23.
Convertible motor, Inclosed. G. T. Pfleger. 1,852,476; Apr. 5.
Convertible suction cleaner. F. Riebel, jr. 1,884,871; June 28.
Convertible table. T. P. Townes. 1,872,849; Aug. 23.
Convertible wheel. R. R. MacKenzie. 1,859,832; May 24.
Converting apparatus. A. S. Fitzgerald. Re18,398; Mar. 29.
Converting apparatus. T. C. Lennox. 1,876,428; Sept. 6.
Converting sound vibrations into electrical vibrations, Apparatus for. H. F. Olson. 1,885,001; Oct. 25.
Conveyance, Child's. R. G. White. 1,844,305; Feb. 9.
Conveyer. C. R. Alvey. 1,854,281; Apr. 19.
Conveyer. A. P. Anderson. 1,871,354; Aug. 9.
Conveyer. G. P. Antiss. 1,868,514; July 26.
Conveyer. H. H. Barber. 1,846,829; Feb. 23.
Conveyer. L. A. Buck. 1,883,528; Oct. 18.
Conveyer. P. W. Bur. 1,891,140; Dec. 13.
Conveyer. E. F. Campbell. 1,854,883; Apr. 19.
Conveyer. C. R. Claghorn. 1,861,840; June 7.
Conveyer. W. B. Cooley. 1,858,484; May 17.
Conveyer. A. N. Cramer. 1,865,302; June 28.
Conveyer. G. M. Crawford and J. M. London. 1,863,085; June 14.
Conveyer. F. J. Dietz. 1,892,206; Dec. 27.
Conveyer. O. M. Glahn. 1,868,894; July 26.
Conveyer. A. J. Hatt. 1,877,862; Sept. 20.
Conveyer. A. J. Hatt, A. Johnson, and J. Pryde. 1,877,863; Sept. 20.
Conveyer. K. Jensen and E. C. Anderson. 1,854,334; Apr. 19.
Conveyer. F. D. Kinney. 1,849,237; Mar. 15.
Conveyer. N. R. Krause. 1,847,433; Mar. 1.
Conveyer. H. D. Lathrop. 1,845,297; Feb. 16.
Conveyer. H. D. Lathrop and W. H. Paulson. 1,877,334; Sept. 13.
Conveyer. J. Lockhart and R. C. Moore. 1,860,679; May 31.
Conveyer. N. C. McGinnis. 1,884,054; Oct. 25.
Conveyer. W. McKee. 1,851,105; Mar 29.
Conveyer. H. H. McKee and N. J. Dziedzic. 1,868,588; July 26.
Conveyer. H. H. Morgan. 1,884,112; Oct. 25.
Conveyer. J. J. Numan. 1,845,767; Apr. 26.
Conveyer. T. G. Nyrop. 1,843,042; Jan. 26.
Conveyer. H. H. Rapley. 1,858,416; May 17.
Conveyer. A. J. Rebstock. 1,856,262; May 3.
Conveyer. A. Redler. 1,844,445; Apr. 26.
Conveyer. A. Redler. 1,860,952; May 31.
Conveyer. J. E. Regan. 1,872,005; Aug. 16.
Conveyer. G. H. Rose. 1,865,232; June 28.
Conveyer. F. E. M. Schenk. 1,880,284; Oct. 4.
Conveyer. J. E. Schroder. 1,841,339; Jan. 12.
Conveyer. H. Shoel. 1,883,067; Oct. 18.
Conveyer. R. A. Shipley. 1,860,485; May 31.
Conveyer. A. J. Sprague. 1,843,522; Feb. 2.
Conveyer. C. W. Starks. 1,865,596; July 5.
Conveyer. R. A. Stippes. 1,854,351; Apr. 19.
Conveyer. J. Wachter. 1,853,525; Apr. 12.
Conveyer. J. C. Walter and R. Vogt. 1,883,426; Oct. 18.
Conveyer. P. A. Weigel. 1,853,385; Apr. 5.
Conveyer, Air current. J. B. Schaub. 1,846,069; Feb. 23.
Conveyer and associated control mechanism, Case. J. J. McJoynter. 1,882,439; Oct. 11.
Conveyer and deliverer, Bottle. A. L. Washburne. 1,875,532; Sept. 6.
Conveyer and feeding device, Log haul. H. C. Morris. 1,842,419; Jan. 26.
Conveyer and loader therefor, Reciprocating or jigging. G. H. Ernsberger. 1,850,582; Mar. 22.
Conveyer and operating mechanism therefor. H. P. McCann. 1,852,664; Apr. 5.
Conveyer and storage apparatus for metal wool machines. A. C. Field. 1,886,620; Nov. 8.
Conveyer apparatus. G. H. Haines. 1,882,820; Oct. 18.
Conveyer apparatus. C. W. Johnson and B. Dewey. 1,846,258; Feb. 23.
Conveyer apparatus. T. K. Vogeley. 1,847,148; Mar. 1.
Conveyer, Apron. T. Allsop. 1,873,865; Aug. 23.
Conveyer, Belt. F. W. Cutler. 1,843,208; Feb. 2.
Conveyer, Belt. T. G. Murray. 1,850,891; Mar. 22.
Conveyer belt centering mechanism. A. H. Adams. 1,846,665; Feb. 23.
Conveyer belt end connecter, Grain. M. J. Mitchell. 1,846,431; Feb. 23.
Conveyer, Can. J. H. Burpee. 1,848,603; Mar. 8.
Conveyer, Chemical loop drier. A. O. Hurxthal. 1,840,200; Jan. 5.
Conveyer construction. W. V. Hoefen. 1,874,042; Aug. 30.
Conveyer control apparatus. F. Stebler. 1,867,717; July 19.
Conveyer control, Automatic. E. W. Bowker. 1,846,083; Feb. 23.
Conveyer control for wrapping machines, Automatic package. F. R. Schmitt. 1,885,952; Nov. 1.
Conveyer, Cotton. J. T. Beaty. 1,866,005; July 5.
Conveyer, Counting. S. Olson. 1,881,897; Oct. 11.
Conveyer device. E. W. Witter. 1,870,432; Aug. 9.
Conveyer, Distributor. J. L. Wallace. 1,857,698; May 10.
Conveyer, Elevating. I. J. Kuert. 1,856,873; May 3.
Conveyer elevator, Vertical. J. O. Balley. 1,867,245; July 12.
Conveyer, Endless. W. A. Spriggs. 1,875,183; Aug. 30.
Conveyer, Exhaust gas. R. A. Stougaard. 1,879,581; Sept. 27.
Conveyer, Extensible. H. E. Twomley. 1,885,568; Nov. 1.
Conveyer flight. R. H. Pangborn. 1,850,886; Mar. 22.
Conveyer, Folding belt. A. B. Rypinski. 1,849,205; Mar. 15.

Conveyer for annular kilns, Mono-rail. L. L. Ladd. 1,842,411; Jan. 26.
Conveyer for changing groups of articles into single file. S. B. Mott. 1,870,375; Aug. 9.
Conveyer for combines or like machines. C. R. Gottschall and H. H. Pike. 1,839,586; May 24.
Conveyer for corn huskers. A. Rosenthal. 1,886,905; Nov. 8.
Conveyer for furnaces. E. G. De Coriolis. 1,871,501; Aug. 16.
Conveyer for loading machines. W. Wbaley. 1,839,625; Jan. 5.
Conveyer for plates and other articles. H. S. Thomas and W. R. Davies. 1,869,287; July 26.
Conveyer for preliminary drying of short macaroni. S. Bucaro. 1,842,245; Jan. 19.
Conveyer for preliminary drying of short macaroni. J. S. Cotton. 1,888,308; Nov. 22.
Conveyer for printing presses, Inspection sheet. H. A. W. Wood. 1,868,784; July 26.
Conveyer for self serving stores. F. E. Hall. 1,843,280; Feb. 2.
Conveyer for sheet driers. B. F. Clark. 1,864,415; June 21.
Conveyer furnace. J. C. Woodson. 1,873,239; Aug. 23.
Conveyer, Furniture. G. L. Dahms. 1,889,274; Nov. 29.
Conveyer, Garment. C. E. Constable. 1,860,704; May 31.
Conveyer grizzly. G. R. Kyle and B. A. Mitchell. 1,841,333; Jan. 12.
Conveyer guide. F. C. Morrow. 1,873,456; Aug. 23.
Conveyer, Invalid. L. Leininger. 1,889,925; Dec. 6.
Conveyer, Jigger. E. Ridgill. 1,876,316; Sept. 6.
Conveyer, Jigger. E. Ridgill. 1,876,317; Sept. 6.
Conveyer, Jigging. T. B. Wilkinson. 1,865,403; June 28.
Conveyer, Meat packing. C. T. Walter. 1,886,926; Nov. 8.
Conveyer mechanism. S. B. Clark. 1,845,127; Feb. 16.
Conveyer mechanism. C. S. Jennings. 1,871,996; Aug. 16.
Conveyer mechanism. H. C. Keller and M. Van Billiard. 1,851,514; Oct. 11.
Conveyer mechanism for combines, Composite. W. C. Edwards, jr. 1,841,718; Jan. 19.
Conveyer mechanism for wrapping machines. C. Littlefield. 1,843,453; Feb. 2.
Conveyer, Mold. J. J. Hartley. 1,871,054; Aug. 9.
Conveyer, Motor. J. M. Sures. 1,845,529; Feb. 16.
Conveyer, Newspaper. H. H. Rapley. 1,857,605; May 10.
Conveyer, Pneumatic. J. E. Ludwig. 1,842,416; Jan. 26.
Conveyer, Portable. A. H. Barber. 1,866,324; July 12.
Conveyer, Portable. A. L. Shaw. 1,882,096; Oct. 11.
Conveyer, Rectangular link. J. C. Anderson. 1,874,409; Aug. 30.
Conveyer, Return damp work. C. V. Morris. 1,889,690; Nov. 29.
Conveyer roll. A. Grosjean. 1,868,825; July 26.
Conveyer roll. S. Olson. 1,881,896; Oct. 11.
Conveyer roll. A. P. Strong. 1,883,422; Oct. 18.
Conveyer, Roller. L. A. Camerota. 1,863,520; June 14.
Conveyer roller. E. Drexler. 1,881,267; Oct. 4.
Conveyer roller. E. Drexler. 1,889,173–4; Nov. 29.
Conveyer roller. J. Sylvester. 1,885,306; Nov. 1.
Conveyer, Rotary. C. E. McEwan. 1,862,485; June 7.
Conveyer safety device, Dispatch. I. Tornberg. 1,883,121; Oct. 18.
Conveyer, Sand blast. R. E. Briggs. 1,851,380; Mar. 29.
Conveyer scale or the like, Belt. Y. Okada. 1,875,485; Sept. 6.
Conveyer, Selecting. J. J. Mojonnier. 1,871,902; Aug. 16.
Conveyer, Self-cleaning screen. W. C. Laughlin and A. B. Asch. 1,864,359; June 21.
Conveyer, Sheet. A. H. Werner. 1,846,776; Feb. 23.
Conveyer, Sheet metal track. J. W. Perry. 1,857,566; May 10.
Conveyer, Stoker. E. A. Turner. 1,886,764; Nov. 8.
Conveyer structure. A. P. Stanley. 1,883,054; Oct. 18.
Conveyer switch, Remote control. W. E. Cain and A. E. Crady. 1,861,335; May 31.
Conveyer switching system. S. Olson. 1,881,895; Oct. 11.
Conveyer system. H. C. Keller and M. Van Billiard. 1,872,000; Aug. 16.
Conveyer system. W. E. Massicotte. 1,879,384; Sept. 27.
Conveyer system. G. Raymond. 1,865,788; July 5.
Conveyer system. J. H. Schlenter. 1,855,871; Apr. 26.
Conveyer system. H. E. Twomley. 1,852,034; Apr. 5.
Conveyer system. H. E. Twomley. 1,853,787–8; Apr. 12.
Conveyer system for manipulating flat articles. H. Klaucke. 1,873,428; Aug. 23.
Conveyer system, Overhead. F. C. Harris. 1,869,421; Aug. 2.
Conveyer system, Restaurant service. S. Olson. 1,881,898; Oct. 11.
Conveyer system with pilot cars. S. Eggleston. 1,842,349; Jan. 19.
Conveyer take-up and telescopic track, Combined trolley. P. J. Whitney. 1,875,535; Sept. 6.
Conveyer tilting section. A. L. Washburne. 1,869,639; Aug. 2.
Conveyer, Tire casing. E. L. Hallinan. 1,871,608; Aug. 16.
Conveyer, Tray. R. E. De Kay. 1,846,632; Feb. 23.
Conveyer, Tray carrying. R. D. Delamere. 1,858,619; May 17.
Conveyer trencher, Swinging. A. J. Penote. 1,842,193; Jan. 19.
Conveyer, Trolley. E. V. Francis. 1,876,659; Sept. 13.
Conveyer, Trolley. E. V. Francis. 1,876,904; Sept. 13.
Conveyer, Trolley. C. A. McKenny. 1,848,963; Mar. 8.
Conveyer, Trolley bucket. P. R. Genzmer. 1,867,450; July 12.
Conveyer, Trough shaped belt. C. Wolf. 1,854,637; Apr. 19.
Conveyer, Vertical. W. A. Marcy. 1,871,714; Aug. 16.
Conveyer, Walking beam. R. S. Cochran. 1,883,763; Oct. 18.
Conveyers, Feed mechanism for package. C. C. Jordan. 1,854,939; Apr. 19.
Conveyers, Feeding mechanism for reciprocating. F. L. McCarty, G. H. Ernsbarger, and J. V. MacDonald. 1,850,191; May 3.
Conveyers, Intersection controlling apparatus for. F. Stebler. 1,876,154; Sept. 6.
Conveyers, Making spiral. J. L. Lane and A. H. Moore. 1,850,936; Mar. 22.
Conveying and aligning mechanism. F. W. Cutler. 1,883,086; June 28.
Conveying and elevating mechanism for roughage mills. J. Holland-Letz. 1,851,315; Mar. 29.
Conveying apparatus. M. J. Anderson. 1,844,627; Feb. 9.
Conveying apparatus. F. W. Brooke and W. H. Cosgrove. 1,861,489; June 7.
Conveying apparatus. J. T. Cowley and L. C. Allen. 1,872,620; Aug. 16.
Conveying apparatus. A. G. Enock. 1,848,609; Mar. 8.
Conveying apparatus. C. Kuutila. 1,840,042; Jan. 5.
Conveying apparatus. M. A. Messlein. 1,878,163; Sept. 20.
Conveying apparatus. L. Sekulski. 1,849,385; Mar. 15.
Conveying apparatus. J. N. Whyte. 1,890,762; Dec. 13.
Conveying apparatus. L. G. Zesbaugh. 1,853,392; Apr. 12.
Conveying apparatus for dredging. J. G. Claybourn and L. Foote. 1,843,295; Feb. 9.
Conveying apparatus, particularly for electroplating. J. Oertli. 1,866,124; July 5.
Conveying apparatus, Pneumatic. G. Bernert. 1,860,127; May 24.
Conveying, Art of. W. McKee. 1,849,680; Mar. 15.
Conveying elements for heat treating furnaces. F. A. Fahrenwald. 1,849,287; Mar. 15.
Conveying mechanism. W. J. Miller. 1,856,498; May 3.
Conveying mechanism. W. J. O'Neill. 1,879,819; Sept. 27.
Conveying mechanism. R. O. Stokes. 1,885,064; Oct. 25.
Conveying mechanism for dishwashing machines. W. L. Lindgren. 1,857,730; May 10.
Conveying mechanism for furnaces. W. M. Hepburn. 1,858,788; Oct. 18.
Conveying mechanism for glassware and the like. R. G. Bachelier. 1,840,301; Jan. 12.
Conveying system. S. S. Harrison. 1,861,600; June 7.
Conveying system. A. G. Kinyon. 1,857,643; May 10.
Conveying system. Z. S. Logan. 1,876,066; Sept. 6.
Conveying system and apparatus for pulp wood. J. Stadler. 1,856,118; May 3.
Conveying tube, Cleansing fluid. L. C. Bayles. 1,868,684; July 26.
Conveyor for newspapers or the like, Dispatch. O. R. Wolf. 1,849,045; Mar. 8.
Convoluted spring. A. Adams. 1,867,723; July 19.
Cooker. C. F. Cookson. 1,888,490; Nov. 22.
Cooker. J. Davidson. 1,882,781; Oct. 18.
Cooker. J. J. Norvill. 1,888,022; July 19.
Cooker and cooler, Combined. A. R. Thompson. 1,878,025; Sept. 20.
Cooker and drier, Combined garbage. W. A. Kramer. 1,875,220; Sept. 6.
Cooker and processer. Air tight meat. H. Janssen. 1,851,582; Mar. 29.
Cookers and tripper, Doughnut. P. Szulczewski. 1,863,210; June 14.
Cooker, Automobile. S. H. Whisner. 1,861,672; June 7.
Cooker, Electric. F. J. Osius. Des. 86,400–2; Mar. 1.
Cooker, Electric. F. J. Osius. Des. 87,791; Sept. 20.
Cooker, Electric automatic peanut. H. A. Leweke. 1,890,737; Dec. 13.
Cooker, Food. C. W. Shields. 1,865,973; July 5.
Cooker for Frankfurters or the like. E. C. Claus. 1,876,614; Sept. 13.
Cooker, Gas. R. Bärwolf. 1,855,124; Apr. 19.
Cooker, Portable electric. H. J. Tietz. Des. 88,719; Dec. 20.
Cooker, Rotary. R. J. Babcock. 1,870,476; Aug. 9.
Cooking and drying, Apparatus for. H. S. Vincent. 1,844,899; Feb. 2.
Cooking apparatus. W. A. McCauley. 1,858,636; May 17.
Cooking apparatus. H. M. Patterson. 1,864,928; June 28.
Cooking apparatus. A. E. Triplett. 1,878,964; Sept. 20.
Cooking apparatus, Electrical. E. Stranszky. 1,887,219; Nov. 8.
Cooking apparatus, Forming means for. H. T. Hunter. 1,890,991; Dec. 13.
Cooking device. C. C. Brunner. 1,865,354; June 28.
Cooking device. E. C. Claus. 1,856,864; May 3.
Cooking device. G. B. Perkins. 1,892,117; Dec. 27.

Cooking device, Electric. W. H. Bathrick. 1,855,507; Apr. 26.
Cooking machine. T. Shaw. 1,844,339; Feb. 9.
Cooking or frying. Apparatus for. A. Hainlen. 1,879,212; Sept. 27.
Cooking pan. T. H. Stough. 1,865,342; June 28.
Cooky display jar. V. V. Martin. 1,883,806; Oct. 18.
Cooler. See—
Air cooler. Liquid cooler.
Cabinet cooler. Milk cooler.
Cream cooler. Port cooler.
Food cooler. Vacuum cooler.
Iceless cooler. Water cooler.
Cooler. W. H. Arck. 1,851,077; Mar. 29.
Cooler. A. R. Gross. 1,846,719; Feb. 23.
Cooler. R. C. Newhouse. 1,854,757; Apr. 19.
Cooler. J. S. Vermier. 1,884,138; Oct. 25.
Cooler. J. M. Sand. 1,854,070; Apr. 12.
Cooler. E. W. Wescott. 1,845,640; Feb. 16.
Cooler and cleaner, Combined oil. B. Loeffler. 1,856,771; May 3.
Cooler and heater, Surface. F. G. Cornell, jr. 1,874,458; Aug. 30.
Cooler and similar article, Water. W. Kohler. Des. 87,528; Aug. 9.
Cooler bracket, Adjustable. F. Getz. 1,852,347; Apr. 5.
Cooler for furnaces, Water. G. L. Robinson. 1,864,762; June 28.
Cooling and dispensing apparatus. F. T. Wiechert. 1,862,344; June 7.
Cooling and dispensing apparatus, Drinking water. B. Martin. 1,868,837; July 26.
Cooling and heating system. J. Jaczko. 1,879,685; Sept. 27.
Cooling apparatus. E. Burhorn. 1,883,533; Oct. 18.
Cooling apparatus. H. H. Crawford. 1,871,588; Aug. 16.
Cooling apparatus. B. J. Hall. 1,857,721; May 10.
Cooling apparatus. F. Schlumbohm. 1,875,293; Aug. 30.
Cooling apparatus. B. H. Varnau and T. B. Wayne. 1,846,288; Feb. 23.
Cooling apparatus for. G. E. Hulse and J. D. Strobell. 1,883,355; Nov. 1.
Cooling apparatus for reciprocating pistons. O. Simmen. 1,852,861; Apr. 5.
Cooling arrangement for high frequency apparatus. H. Zodtner. 1,873,804; Aug. 23.
Cooling arrangement for packing boxes. G. E. Bigelow and C. Weeks. 1,873,267; Aug. 23.
Cooling bakery products. W. W. Reece and L. W. Haas. 1,885,142; Nov. 1.
Cooling chamber for a mechanical refrigerating unit. L. G. Copeman. 1,872,685; Aug. 23.
Cooling coffee, etc., Apparatus for. W. G. Burns and R. A. Greene. 1,870,357; Aug. 9.
Cooling coil for refrigerators. W. Sloan. 1,848,848; Mar. 8.
Cooling device. C. S. Baker. 1,846,828; Feb. 23.
Cooling device. H. Mougey and C. R. Short. 1,865,877; July 5.
Cooling device for injection nozzles of internal combustion engines. T. V. Hemmingsen. 1,875,457; Sept. 6.
Cooling device for internal combustion engines. O. Simmen. 1,852,862; Mar. 29.
Cooling device for milk receiving containers of vacuum milking machines. E. Raven-Rosen-Baum and A. Domscheit. 1,861,898; June 7.
Cooling device for photographic apparatus. A. C. Denslow. 1,891,917; Dec. 27.
Cooling device, Motor. J. V. Martin. 1,847,093; Mar. 1.
Cooling device, Precision plate. H. A. Wood. 1,843,471; Feb. 2.
Cooling device, Rolling mill. N. C. Hunt. 1,850,878; Mar. 22.
Cooling, Evaporative. C. F. Ritchie and W. A. Gale. 1,873,329; Aug. 23.
Cooling jacket for electrodes. A. G. Ripberger and R. V. Lincoln. 1,846,041; Feb. 23.
Cooling jacket for machine gun barrels. R. C. Coupland. 1,875,603; Sept. 27.
Cooling jacket for milk and other cans. A. A. Kinard. 1,869,756; Aug. 2.
Cooling means for photographic film tanks. E. S. Boynton. 1,857,134; May 10.
Cooling means for vehicle wheels, Rim and drum. R. S. Wentworth. 1,847,319; Mar. 1.
Cooling mechanism. G. A. Hillery. 1,845,750; Feb. 16.
Cooling of dynamo-electric machines. A. K. Selden, jr. 1,876,767; Sept. 13.
Cooling of rotary engine. J. F. N. Craig. 1,866,398; July 5.
Cooling of the interior of a seamless block of setting concrete. H. Sorensen. 1,888,097; Nov. 15.
Cooling system. C. H. Bills and G. G. Griswold. 1,890,072; Dec. 6.
Cooling system. M. L. Carpentier. 1,840,083; Jan. 5.
Cooling system. J. B. Fisher. 1,875,580; Sept. 6.
Cooling system. F. T. Goes. 1,874,964; Aug. 30.
Cooling system. F. C. Heernel and J. W. Smith. 1,852,777; Apr. 5.
Cooling system. D. T. MacLeod. 1,881,776; Oct. 11.
Cooling system. A. F. Masury and C. Froesch. 1,856,772; May 3.
Cooling system. I. C. Potter. 1,855,924; Apr. 26.
Cooling system. S. W. Rushmore. 1,851,407; Mar. 29.
Cooling system, electric current rectifier. O. Seitz. 1,845,176; Feb. 2.
Cooling system for beverage dispensing apparatus. W. E. Leibing. 1,881,725; Oct. 11.
Cooling system for dynamo electric machines. K. Von Kando. 1,853,646; Apr. 12.
Cooling system for engine cylinders. C. A. Ross. 1,845,521; Feb. 16.
Cooling system for fluid-actuated turbines. W. S. Bowen. 1,850,747; Oct. 4.
Cooling system for internal combustion engines. F. S. Duesenberg. 1,852,770; Apr. 5.
Cooling system for internal combustion engines. F. A. Wahl. 1,850,539; Oct. 4.
Cooling systems for internal combustion engines, Impelling device for. G. S. Moore and W. H. Miller. 1,877,420; Sept. 13.
Cooling system for internal combustion motors, Liquid circulating. O. A. Ross. 1,891,480; Dec. 20.
Cooling system for marine engines. J. W. Arndt. 1,875,912; Sept. 6.
Cooling system for nozzle burners. W. Kleinow, A. Morgenroth, F. Reinhardt, and W. Bruer. 1,888,083; Nov. 15.
Cooling system of internal combustion engines. G. Lyon, C. H. Fairey, and T. M. Barlow. 1,860,258; May 24.
Cooling system, Retort discharge. J. Becker. 1,845,221; Feb. 16.
Cooling the head of one having a permanent wave. W. G. Parker. 1,871,553; Aug. 16.
Cooling unit. A. H. Baier. 1,883,462; Oct. 18.
Cooling unit. W. E. Sodeman. 1,853,644; Apr. 12.
Coop or crate, Poultry. C. T. Hatch. 1,863,982; June 21.
Coops, Assembling poultry. O. F. Carpenter. 1,860,232; May 24.
Cop for weft shuttles. R. G. Turner. 1,863,815; June 21.
Cop winding machine. W. Schweiter. 1,865,970; July 5.
Cop winding machine. W. Schweiter. 1,888,395; Nov. 22.
Copper alloy. O. Dahl. 1,847,929; Mar. 1.
Copper and copper alloys with compositions containing "lithium-alkali" addition products resulting from such treatments, Treating molten. H. Osborg. 1,869,498; Aug. 2.
Copper cakes and sheet bars, Production of. F. L. Antisell and C. G. Mullineaux. 1,862,074; June 7.
Copper, containing disazodyestuffs. R. Stüsser and K. Weidemann. 1,887,732; Nov. 29.
Copper extension process. W. E. Greenawalt. 1,862,343; June 7.
Copper extraction process. W. E. Greenawalt. 1,841,437–8; Jan. 19.
Copper from ores, Extraction of. E. Elsenhauer, jr. 1,854,416; Mar. 8.
Copper hydroxide, Making. W. H. Furness. 1,867,357; July 12.
Copper iodide rectifier. W. Krauss. 1,891,097; Dec. 13.
Copper, Liquation of. J. O. Betterton. 1,843,413; Feb. 2.
Copper ores and the like, Apparatus for the smelting of. A. G. McGregor. 1,856,025; Mar. 15.
Copper oxide rectifier. J. Slepian. 1,844,928; Feb. 9.
Copper plating. W. Peacock, jr. 1,890,094; Dec. 6.
Copper powder, Making. C. F. Sherwood. 1,856,661; May 3.
Copper, Recovering. H. M. Burkey and L. E. Cole. 1,858,236; May 17.
Copper refining. V. E. Legg. 1,878,936; Sept. 20.
Copper, Refining. J. W. Scott. 1,882,998; Oct. 18.
Copper refining. W. O. Snelling. 1,863,419–20; June 14.
Copper refining, Electrolytic. N. V. Hybinette. 1,844,937; Feb. 16.
Copper, Refining of. J. E. Harris and J. H. White. 1,852,162; Apr. 5.
Copper ribbon with taps into multiple coils, Mechanism for winding. C. H. Thordarson. 1,862,727; June 14.
Copper-silicon-zinc alloys. L. P. Webert. 1,848,857; Mar. 8.
Copper-silicon-zinc-aluminum alloys. L. P. Webert. 1,848,858; Mar. 8.
Copper sulphate, Manufacture of. P. J. F. Souviron. 1,869,521; Aug. 2.
Copper treating furnace. W. J. Benson and L. M. Desamais. 1,859,727; May 24.
Copper, Welding of. W. Andrews. 1,875,911; Sept. 6.
Copper, Wet extraction of. F. Dietzsch. 1,849,978; Mar. 15.
Copra, Apparatus for the production of. P. D. Good. 1,848,343; Mar. 8.
Copyholder. H. L. F. Giese. 1,855,286; Apr. 26.
Copyholder. F. M. Spertzel. 1,881,102–3; Oct. 4.
Copyholder for typewriters. G. Laurence. 1,881,715; Oct. 11.
Copyholder light. O. W. Klingsick. 1,886,027; Nov. 1.
Copy holding stand. C. A. Tharp. 1,841,770; Jan. 19.
Copying agency. E. E. Strawn. 1,845,568; Feb. 16.
Cord anchoring device. F. C. Marshall and J. L. Newport. 1,865,935; July 5.
Cord and making same, Flexible metal. C. H. Kestenman. 1,840,781; Jan. 12.
Cord control for vacuum cleaners. C. V. Utley. 1,892,640; Dec. 27.
Cord equipment for telescopically extensible curtain rods, Draw. C. W. Kirsch. 1,876,060; Sept. 6.

Cord fabric. L. S. Hall. 1,875,445; Sept. 6.
Cord fabric. S. A. Steere. 1,875,517; Sept. 6.
Cord holding clip. J. Schiller. 1,856,594; May 3.
Cord holding mechanism for shades. Z. E. Russell. 1,862,163; June 7.
Cord or the like, Pull. A. Brown. 1,874,881; Aug. 30.
Cord pulling device, Rip. A. V. Zipser and C. Roche. 1,858,609; May 17.
Cord runner. H. E. Oleson. 1,881,892; Oct. 11.
Cord separator, Traverse. E. R. Doolittle. 1,852,234; Apr. 5.
Cord severing implement. P. A. Klipstein. 1,889,333; Nov. 29.
Cord severing implement. M. G. Wright and F. D. Wootton. 1,877,376; Sept. 13.
Cord testing machine. A. D. Weigolt. Des. 87,988; Oct. 18.
Cordage machine. F. Zettek. 1,864,162; June 21.
Cords and braids, Forming composite. W. Mendel. 1,884,069; Oct. 25.
Cords, Manufacturing rubberized. E. Hopkinson. 1,871,412; Aug. 9.
Cords of plastic or gelatinous material into lengths, Dividing. J. Wood and H. Reynolds. 1,866,439; July 5.
Core. R. Lüngen. 1,864,451; June 21.
Core. A. T. Richardson. 1,862,908; June 14.
Core and making it, Mass. E. Kramer. 1,868,327; July 19.
Core and making the same, Expansible. N. W. Biggs. 1,842,652; Jan. 26.
Core and making the same, Magnetic. R. Gillis. 1,871,317; Aug. 9.
Core and mold for pneumatic tires, Expanding. A. H. Shoemaker. 1,890,343; Dec. 6.
Core apparatus. E. Sjoden. 1,862,986; June 14.
Core barrel. J. A. Zublin and M. H. Roach. 1,848,453; Mar. 8.
Core barrel having core receptacle. H. J. Quintrell. 1,857,698; May 10.
Core bit construction. L. H. Wellensiek. 1,874,071; Aug. 30.
Core box. C. Althaus. 1,852,635; Apr. 5.
Core coring machine. J. Gerdéres. 1,847,557; Mar. 1.
Core, Catalytic. A. E. Harnsberger and C. L. Smith. 1,873,707; Aug. 23.
Core cutter. O. J. Draper. 1,889,277; Nov. 29.
Core or block for use in concrete structures, Hollow. A. S. MacDonald. 1,892,311; Dec. 27.
Core catcher. L. H. Wellensiek. 1,867,721; July 19.
Core catcher. J. A. Zublin. 1,859,950; May 24.
Core catcher for well drills. L. H. Wellensiek. 1,850,434; Mar. 22.
Core catching device. F. L. Scott and H. T. Baggett. 1,858,248; May 17.
Core-catching device. R. Winterburn. 1,876,379; Sept. 6.
Core chilling device, Automatic. M. Guyot. 1,847,944; Mar. 1.
Core drill. M. C. Allen. 1,883,321; Oct. 18.
Core drill. E. Stone. 1,861,007; May 31.
Core drill. H. C. Johansen. 1,878,241; Sept. 20.
Core drill. M. Schuerman. 1,870,592; Aug. 9.
Core drill. E. Stone. Re18,500; June 14.
Core drill. L. H. Wellensiek. 1,854,914; Apr. 19.
Core drill bit. G. C. Oliver. 1,867,024; July 12.
Core drilling apparatus. E. C. Brown. 1,845,230; Feb. 16.
Core for electric induction coils. L. G. Brazier and J. Urmston. 1,865,359; June 14.
Core for switches, electromagnets, Metallic. E. Hochheim. 1,840,286; Jan. 5.
Core for fishing bobs, Master. W. H. Wyland. 1,874,730; Aug. 30.
Core for hard materials and applying same, Soft. W. S. Grau and J. O. Bishop. 1,849,186; Mar. 15.
Core for motion-picture films. K. C. D. Hickman. 1,880,448; Oct. 4.
Core for paper rolls. G. B. Marzolf. 1,855,251; Apr. 26.
Core for textiles. H. Parker. 1,881,911; Oct. 11.
Core, Laminated. V. G. Apple. 1,870,085; Aug. 2.
Core, Magnetic. C. M. Summers. 1,859,115; May 17.
Core, Molded metallic. W. M. Duncan. 1,859,078; May 17.
Core molding machine. D. B. Dimick. 1,846,998; Feb. 23.
Core orientation, Apparatus for. J. A. Zublin. 1,859,949; May 24.
Core retainer. C. A. Dean. 1,850,386; Mar. 22.
Core samples of rock bore holes, Apparatus and method of taking. A. Anderson. 1,864,113; June 21.
Core structure, Laminated. R. M. Pfalzgraff. 1,850,726; Mar. 22.
Core taking apparatus. G. J. Barrett and S. Robichaux. 1,847,424; Mar. 1.
Core taking device. G. J. Barrett and S. Robichaux. 1,847,423; Mar. 1.
Corer, Fruit. F. Yahn. 1,848,985; Mar. 8.
Corer, Tomato. A. Holmquist. 1,852,823; Apr. 5.
Cores, Apparatus for producing magnetic. K. L. Scott. 1,860,843; May 31.
Cores, Apparatus for sheathing. G. L. Cherry and E. R. Troche. 1,862,005; June 7.
Cores from core molds, Apparatus for removing. C. A. Nichols. 1,869,112; July 26.
Cores, Making. W. H. Walter. 1,864,107; June 21.
Cores of a die casting machine, Apparatus for actuating the. A. P. Rosander and F. P. Tikalsky. 1,862,551; June 14.
Cores, Process of and apparatus for standardizing magnetic. W. J. Polydoroff. 1,887,380; Nov. 8.
Cores, Producing catalytic. A. E. Harnsberger and C. L. Smith. 1,874,743; Aug. 30.
Cores, Producing magnetic. K. L. Scott. 1,860,820; May 31.
Cores such as air bags from tire covers, Apparatus for removing flexible. H. Willshaw and L. S. Blanchard. 1,871,642; Aug. 16.
Coring device. C. H. Boyle. 1,844,538; Feb. 9.
Cork board insulation and erecting the same. C. C. Schrader. 1,873,050; Aug. 23.
Cork feeding and inserting machine. C. R. Fredsell. 1,877,233; Sept. 13.
Cork padding for ironing machines. W. F. Grupe. 1,873,578; Aug. 23.
Cork, Preparing comminuted. S. C. Bond. 1,870,166; Aug. 2.
Corkscrew and bottle decapper, Combined. R. R. Rundell. 1,873,331; Aug. 23.
Corn and cotton stalk or stubble chopper. L. C. Davis. 1,840,880; Jan. 12.
Corn and like seed and disinfectant used therein, Disinfecting. W. P. Raleigh. 1,871,200; Aug. 9.
Corn, Apparatus for harvesting. S. H. Hale, W. H. Worthington and T. N. Pierson. 1,882,823; Oct. 18.
Corn husking machine. W. W. and S. E. Morral. 1,858,466; Nov. 22.
Corn butting and husking mechanism. W. W. Morral. 1,852,328; Apr. 5.
Corn butting machine. W. W. Morral. 1,864,663; June 28.
Corn gatherer and husker. H. P. Grossman. 1,849,756; Mar. 15.
Corn husking device, Hand. J. F. Kriege and E. A. Wilkins. 1,881,368; Oct. 4.
Corn husking hook. E. Kling. 1,863,488; June 14.
Corn lifter. H. Synck. 1,860,633; May 31.
Corn, Method of and apparatus for popping. W. W. Hale. 1,839,671; Jan. 5.
Corn picker. K. Anberg. 1,849,132; Mar. 15.
Corn picker. L. A. Paradise and W. J. Coultas. 1,877,957; Sept. 20.
Corn picker, Two row. J. H. Gentry. 1,881,470; Oct. 11.
Corn picket gathering point. A. C. Lindgren. 1,878,941; Sept. 20.
Corn picking and husking machine. H. F. York. 1,887,907; May 10.
Corn picking machine. L. A. Paradise and W. J. Coultas. 1,853,176; Apr. 12.
Corn picking machine. H. Synck. 1,860,634; May 31.
Corn picking machine. H. Synck. 1,876,588; Sept. 27.
Corn picking machine, Multiple row. C. F. Huffman. 1,845,276; Feb. 16.
Corn planter. W. A. Colman and F. E. Randall. 1,839,740; Jan. 5.
Corn, Processing. O. S. Sells. 1,884,300; Oct. 25.
Corn sheller. M. Ahrman, jr. 1,892,599; Dec. 27.
Corn sheller. A. B. Dieterich. 1,850,279; Mar. 22.
Corn sheller. A. B. Dieterich. 1,877,282; Sept. 13.
Corn stalk cutter. F. D. Jones and H. Moschel. 1,872,747; Aug. 23.
Cornstalk fiber composition. S. A. Gill. 1,866,204; July 5.
Corner and division bar. G. C. Smith. 1,860,754; May 31.
Corner bend in composite panels and forming same. G. K. Lewis. 1,881,734; Oct. 11.
Corner bracket. A. G. Murdock. 1,887,459; Nov. 8.
Corner bracket. J. F. Wilson, jr. 1,867,107; July 12.
Corner construction and making the same. G. K. Lewis. 1,846,881; Feb. 23.
Corner construction for frames. A. T. Potter. 1,891,778; Dec. 20.
Corner cove. C. E. Huntley. 1,845,603; Feb. 16.
Corner cutting machines, Combined adjusting and gauge heads for. R. Minkow. 1,885,370; Nov. 1.
Corner fastening means. W. E. Williams. 1,870,157; Aug. 2.
Corner holder for pictures or the like. L. Rado. 1,870,528; Aug. 9.
Corner irons to tables, Applying. W. Berssenbrugge. 1,851,614; Mar. 29.
Corner, Metal. J. C. Miller. 1,870,132; Aug. 2.
Corner or joint, Metallic. H. Brace. 1,860,650; May 31.
Corner reenforcement. G. D. and H. C. Mathers. 1,881,805; Oct. 11.
Corner reenforcement for containers. E. L. Walker and D. N. Ohlhues. 1,839,283; Jan. 5.
Corner straps for export boxes and the like, Making reenforcing. C. L. Snyder. 1,892,638; Dec. 27.
Corners of frangible material, Means to protect. E. Sas. 1,865,485; July 5.
Correcting device for fluid flow of meters. W. L. Marden. 1,847,220; Mar. 1.
Corrector system for synchronous telegraph apparatus. H. H. Haglund. 1,856,331; May 3.
Corrosion by sulphur compounds during conversion of hydrocarbons, Preventing. A. F. Sachs. 1,873,831; Aug. 23.
Corrosion inhibition. J. E. McConkie and R. H. Lueck. 1,884,790; Oct. 25.

Corrosion in oil refining equipment, Preventing. W. G. Laird, 1,873,136; Aug. 23.
Corrosion preventing composition. J. F. McCambridge. 1,847,015; Feb. 23.
Corrosion, Prevention of. E. R. Boller. 1,875,982; Sept. 6.
Corrosion, Prevention of. B. S. Covell. 1,878,468; Sept. 20.
Corrosion, Prevention of. E. Cumberland. 1,842,541; Jan. 26.
Corrosion protection. W. H. Finkeldey. 1,867,736; July 19.
Corseiet. E. Hart. 1,889,285; Nov. 29.
Corselet. M. H. Wittenberg. 1,869,761; May 31.
Corselette. P. J. Moran. 1,882,292; Oct. 11.
Corset. V. Buchanan. 1,859,550; May 24.
Corset. J. F. Greig. Des. 87,056; May 31.
Corset. J. F. Greig. Des. 87,113; June 7.
Corset. J. J. Kispert. 1,868,391; July 19.
Corset. P. J. Moran. 1,867,464; July 12.
Corset. K. B. Seegmantle. Des. 86,415; Mar. 1.
Corset. I. R. Versoy. 1,843,908; Feb. 2.
Corset and brassiere. W. G. Weber. 1,875,201; Aug. 30.
Corset and other undulation garments. E. M. Binswanger. 1,854,539; Apr. 19.
Corset and the like. J. W. Gordon. 1,854,187; Apr. 19.
Corset stay. J. Taylor. 1,854,530; Apr. 19.
Cosmetic jar. L. B. Weil. Des. 86,425; Mar. 1.
Costumer. H. J. Heallon. 1,887,840; Nov. 15.
Costumer. R. Zaidenberg. 1,883,435; Oct. 18.
Cot, Camping. M. A. Davis. 1,856,624; May 3.
Cot, Camping. N. S. Harter. 1,869,060; July 26.
Cot and play-chair, particularly adapted for use in motor cars and other vehicles, Combined. W. C. Hughes. 1,887,810; Nov. 15.
Cotter. F. S. O'Neil and E. L. McKinney. 1,843,955; Feb. 9.
Cotter pin. R. B. Franklin. 1,864,424; June 21.
Cotter pin. Le G. G. Whitbeck. 1,849,605; Mar. 15.
Cotton, Apparatus and system for ginning. W. M. Seeligson. 1,861,757; June 7.
Cotton, artificial silk, artificial foils of cellulose, viscose, or the like, and material prepared by this process, Strengthening. K. Sponsel and K. Jochum. 1,857,263; May 10.
Cotton bailing press. W. L. Hancock and B. C. Woodford. 1,868,829; July 26.
Cotton bat feeding machine. F. N. Ross. 1,882,944; Oct. 18.
Cotton bunching machine. M. Sutton. 1,887,441; Nov. 8.
Cotton chopping cutter, Rotary. E. Albaugh. 1,853,489; Apr. 12.
Cotton chopping machine. E. Albaugh and H. F. Hildebrandt. 1,865,351; June 28.
Cotton cleaner. B. R. Benjamin. 1,878,662; Sept. 20.
Cotton, Cleaning. J. E. Mitchell. 1,886,713; Nov. 8.
Cotton cleaning device. B. R. Benjamin. 1,846,467; Feb. 23.
Cotton cleaning machine. F. E. Noisworthy. 1,884,815; Oct. 25.
Cotton distributor, Mechanical. O. Mitchell. 1,888,237; Nov. 22.
Cotton distributing mechanism. T. Boyd. 1,873,179; Aug. 23.
Cotton distributor. W. E. B. Jordan. 1,850,325; Mar. 22.
Cotton elevator. C. Harazin. 1,885,437; Nov. 1.
Cotton feeding mechanism. W. N. Shaw. 1,861,512; June 7.
Cotton fiber rolling device. H. P. Chaney. 1,879,084; Sept. 27.
Cotton gin. W. R. Collier. 1,862,884; June 14.
Cotton gin. J. J. Wallace. 1,866,685; July 12.
Cotton gin feeder. B. F. Dillard. 1,880,897; Oct. 4.
Cotton gin rib. J. A. Streun. 1,849,774; Mar. 15.
Cotton impaling and cleaning machine for harvesters. J. C. Conrad. 1,870,039; Aug. 2.
Cotton lint tramper. M. Bethel. 1,842,006; Jan. 19.
Cotton, Mercerizing loose. C. Ahnert. 1,862,208; June 7.
Cotton or such like, Automatic control of pneumatically conveyed. H. Williamson. 1,842,438; Jan. 26.
Cotton picker. H. P. Goodling and W. L. Henderson. 1,853,124; Apr. 12.
Cotton picker. E. O. Johnston. 1,888,505–6; Nov. 22.
Cotton picker. J. Martin. 1,845,431; Feb. 16.
Cotton picker. P. E. Wooten. 1,851,883; Mar. 29.
Cotton picker machine. W. R. Willett and H. E. Brown. 1,887,331; Nov. 15.
Cotton picker unit. G. R. Meyercord, and O. H. Basquin. 1,861,413; Apr. 19.
Cotton picking machine. R. E. Buckner. 1,880,762; Oct. 4.
Cotton picking machine. D. Nelson. 1,844,785; Feb. 9.
Cotton planter and fertilizer depositor. H. A. Smith. 1,876,776; Sept. 13.
Cotton preparing machine. E. T. Wuest. 1,876,819; Sept. 13.
Cotton press. R. Bell. 1,857,707; May 10.
Cotton press. R. W. Swope. 1,845,945; Feb. 16.
Cotton press. J. J. Wallace. 1,845,572; Feb. 16.
Cotton press centering and retaining device. W. L. Hancock. 1,845,148; Feb. 16.
Cotton stripper. B. R. Benjamin. 1,886,151; Nov. 1.
Cotton thinning machine. T. H. Brown and E. P. Crowder. 1,853,023; Apr. 12.
Cotton tramper. J. J. Wallace. 1,891,295; Dec. 20.
Cotton tramper and the like machine. E. A. Holmgreen. 1,860,931; May 24.
Couch and bed, Combination. J. Martin. 1,849,023; Mar. 8.
Couch day bed. J. Baslie. 1,875,976; Sept. 6.
Couch, Folding. A. Zeyen. 1,865,606; July 5.
Couch, Hygienic. G. Kapprich. 1,856,113; May 3.
Counter. J. L. Morgan. 1,868,290; July 19.
Counter actuating mechanism. C. H. Veeder. 1,873,079; Aug. 23.
Counter and ejector for packaging machines. B. D. Greenlaw. 1,868,201; July 19.
Counter and resetting mechanism therefor. R. B. Long. 1,875,060; Aug. 30.
Counterbalance. T. O. Duckworth and F. L. Horspool. 1,880,904; Oct. 4.
Counterbalance. T. O. Duckworth and F. L. Horspool. 1,880,905; Oct. 4.
Counterbalance for well pumps. A. L. Skinner. 1,868,028; July 19.
Counterbalancing and indicating mechanism for weighing apparatus. J. H. de Iongh. 1,872,420; Aug. 16.
Counterbalancing device. E. G. Anderson. 1,874,077; Aug. 30.
Counter, Card. E. A. Ford. 1,882,796; Oct. 18.
Counter case, Display. W. Y. Whitley. 1,864,109; June 21.
Counter, Display. R. M. Henderson. 1,861,392; May 31.
Counter, Display. W. N. Vance. 1,873,072; Sept. 20.
Counter fixture, Store. C. W. Green. 1,873,709; Aug. 23.
Counterflow furnace, Recuperative. E. L. Smalley. 1,867,772; July 19.
Counter for hens, Egg. J. Bechtold. 1,885,072; Oct. 25.
Counter for machines. H. C. Kunkelman and G. L. Becker. 1,875,026; Aug. 30.
Counter for tabulating machines. E. A. Ford and F. A. Story. 1,880,426; Oct. 4.
Counter for turn shoes. M. Rowe. 1,859,533; May 24.
Counter for typewriters, Work. O. A. Hokanson. 1,842,671; Jan. 26.
Counter, Freezer. W. H. Percival. 1,840,738; Jan. 12.
Counter heater. W. H. Baynard. 1,870,666; Aug. 9.
Counter machine with flange plate waxing. C. J. Blake. 1,874,429; Aug. 30.
Counter molding machine. A. F. Jacquemin. 1,874,703; Aug. 30.
Counter-pasting machine. J. K. Smith. 1,842,480; Jan. 26.
Counterpoise mechanism. B. P. Joyce. 1,858,829; May 17.
Counter protective device and door or gate latch, Bank. J. W. Minton. 1,888,880; Nov. 22.
Counter, Refrigerator display. R. H. Starr. 1,840,475; Jan. 12.
Counter, Resettable. W. S. Brubaker. 1,885,680; Nov. 1.
Counter stiffener molding machine. J. Spadafora. 1,856,296; May 3.
Counter stiffener molding mechanism. C. D. Malagutti. 1,849,942; Mar. 15.
Counter, Store. L. Schumm, 3d. 1,888,742; Nov. 22.
Counter, Tile. L. G. Gray. Des. 86,953; May 17.
Counter tray construction. J. Guthrie. 1,846,862; Feb. 23.
Counters, Method of and machine for molding. H. A. Jordan. 1,850,793; Mar. 22.
Counting and compensating mechanism. J. M. Dayton. 1,850,127; Mar. 22.
Counting and compensating mechanism, Audible. J. M. Dayton. 1,850,128; Mar. 22.
Counting and displacing apparatus. F. J. Cannon. 1,841,711; Jan. 19.
Counting and marking machine. L. L. Matthews. 1,862,797; June 14.
Counting device. E. A. Ford. 1,880,427; Oct. 4.
Counting device. J. Rousso. 1,887,758; Nov. 15.
Counting machine. C. B. Maxson. 1,839,769; Jan. 5.
Counting mechanism. L. B. Landon. 1,865,321; June 28.
Counting mechanism. F. V. Waitkus. 1,850,648; Mar. 22.
Counting table. K. Tanaka. 1,855,847; Apr. 26.
Couple, Polarized, Electrolytic. S. Ruben. 1,891,206; Dec. 13.
Coupler. H. Albertine. 1,850,860; Mar. 22.
Coupler. M. A. Anderson. 1,872,551; Aug. 16.
Coupler. E. P. Barclay. 1,863,823; June 21.
Coupler. S. M. Chase. 1,885,073; Nov. 12.
Coupler. S. M. Chase. 1,885,079; Oct. 25.
Coupler. S. M. Chase. 1,889,237; Nov. 29.
Coupler. E. J. Contois. 1,870,606; Aug. 9.
Coupler. E. J. Contois and A. O. Williams. 1,871,841; Aug. 16.
Coupler. A. S. Goertz. 1,883,696; Oct. 18.
Coupler. R. J. Gray. 1,866,929; July 12.
Coupler. H. H. Service. 1,873,494; Aug. 23.
Coupler. H. H. Shakely. 1,839,602; Jan. 5.
Coupler. C. H. Tomlinson. 1,887,035; May 3.
Coupler. A. O. Williams. 1,874,147; Aug. 30.
Coupler. W. C. Yeakel. 1,860,973; May 31.
Coupler and yoke connecter. R. J. Olander. 1,882,869; Oct. 18.
Coupler, Automatic car and air. H. E. Van Dorn. 1,878,031; Sept. 20.

Coupler, Automatic train line. A. O. Mackin. 1,877,924; Sept. 20.
Coupler, Car. C. Burton. 1,858,915; May 17.
Coupler, Car. W. Kelso. 1,881,662; Oct. 11.
Coupler, Car. R. J. Wittmer. 1,876,816; Sept. 13.
Coupler, Car. H. H. Wolfe. 1,869,035; July 26.
Coupler carrier, Self-centering. H. E. Muchnic. 1,886,417; Nov. 8.
Coupler for containers and the like, Lifting. R. L. Sniffen. 1,853,887; Apr. 12.
Coupler for containers, Lifting. S. H. Owens. 1,846,038; Feb. 23.
Coupler for toy cars. E. D. Bolsseller. 1,852,916; Apr. 5.
Coupler, High pressure. D. G. Adams. 1,873,914; Aug. 23.
Coupler, High pressure. J. Muhlhauser and D. G. Adams. 1,871,421; Aug. 9.
Coupler, Hinged shank. G. G. Gilpin. 1,851,943; Mar. 29.
Coupler, Hose. J. Sullivan. 1,858,646; May 17.
Coupler, Lubricating. O. U. Zerk. 1,883,278–9; Oct. 18.
Coupler mechanism. E. P. Kinne. Re18,631; Oct. 18.
Coupler mechanism, Car. H. F. Miller. 1,862,799; June 14.
Coupler mechanism, Radial. W. J. Regan. 1,883,314; Oct. 18.
Coupler release mechanism. W. Kelso. 1,862,791; June 14.
Coupler, Trailer. A. T. Wood. 1,887,054; Nov. 8.
Coupler, Train line. W. H. Hidlebaugh. 1,879,238; Sept. 27.
Coupler yoke connection. J. F. O'Connor. 1,842,914; Jan. 26.
Coupling: *See*—
Air bag coupling.
Air hose coupling.
Air line coupling.
Automatic train pipe coupling.
Bed coupling.
Belt coupling.
Car coupling.
Compression coupling.
Cut-off coupling.
Derrick leg coupling.
Elastic coupling.
Elastic shaft coupling.
Electrostatic coupling.
Emergency coupling.
Flexible coupling.
Flexible elastic coupling.
Flexible shaft coupling.
Fluid conductor coupling.
Friction coupling.
Hose coupling.
Hydraulic coupling.
Impulse coupling.
Lubricator coupling.
Mechanical coupling.
Multiswitch coupling.
Nonreusable coupling.
Pipe and tube coupling.
Pipe coupling.
Pipe float coupling.
Power transmission coupling.
Pressure coupling.
Pressure resisting coupling.
Pulley and shaft coupling.
Range boiler coupling.
Release coupling.
Rod coupling.
Roll coupling.
Safety coupling.
Shaft coupling.
Shock absorbing coupling.
Slip coupling.
Swivel coupling.
Swivel pipe coupling.
Tank flange coupling.
Tight-holding coupling.
Trailer coupling.
Train coupling.
Truck coupling.
Tube coupling.
Tubing coupling.
Tubular coupling.
Universal coupling.
Valve coupling.
Vehicle coupling.
Windmill and pump rod coupling.
Wire coupling.
Coupling. J. K. Babcock. 1,888,966; Nov. 22.
Coupling. C. O. Bedford. 1,859,018; May 17.
Coupling. W. L. Bond. 1,857,559; Nov. 15.
Coupling. C. M. Brenner. 1,858,136; May 10.
Coupling. E. L. Brown. 1,859,251; May 17.
Coupling. M. A. Buettell. 1,887,081; Nov. 8.
Coupling. J. Buchli. 1,873,953; Aug. 30.
Coupling. L. Burn. 1,841,008; Jan. 12.
Coupling. J. F. Cantell. 1,857,528; May 10.
Coupling. H. A. Cederstrom. 1,878,826; Sept. 20.
Coupling. E. W. Davis. 1,847,383; Mar. 1.
Coupling. J. T. Dickson. 1,850,226; Mar. 22.
Coupling. P. D. Elking. 1,891,874; Dec. 20.
Coupling. F. Faudi. 1,868,891; July 26.
Coupling. E. E. Johnson. 1,849,234; Mar. 15.
Coupling. J. P. Johnson. 1,844,471; Feb. 9.
Coupling. J. P. Johnson. 1,862,220; June 7.
Coupling. L. L. Lomer. 1,879,364; Sept. 27.
Coupling. B. A. Moore. 1,863,870; June 21.
Coupling. C. Noble. 1,850,364; Oct. 4.
Coupling. W. Noble. 1,887,876; Nov. 15.
Coupling. L. S. Rosener. 1,869,780; Aug. 2.
Coupling. O. Schmidt. 1,841,639; Jan. 19.
Coupling. D. H. Spicer. 1,858,251; May 10.
Coupling. L. A. Vassakos. 1,883,164; Oct. 18.
Coupling. A. J. Weatherhead, jr. 1,888,338; Nov. 22.
Coupling and associated means for lubricating apparatus. M. F. Carr. 1,880,793; Oct. 4.
Coupling arrangement for compensated high frequency amplifiers. H. Kruger. 1,887,977; Nov. 15.
Coupling bar. F. O. Snow, jr. 1,884,323; Oct. 25.
Coupling boring and threading machine. F. H. Bogart. 1,846,986; Feb. 23.
Coupling circuit arrangement. L. A. Gebhard. 1,880,198; Oct. 4.
Coupling device. C. Fichandler. 1,866,456; July 5.
Coupling device. H. Hamel. 1,861,088; May 31.
Coupling device. H. Wirz and H. G. Hotchkiss. 1,890,011; Dec. 6.
Coupling device. F. A. Joseph. 1,844,286; Feb. 9.
Coupling device. A. Kartvelichvili and E. Chagniard. 1,856,870; May 3.
Coupling device. E. A. Larsson. 1,863,017; June 14.
Coupling device. J. Leli. 1,858,514; May 17.
Coupling device. F. L. Miller. 1,875,477; Sept. 6.
Coupling device. G. R. Murphy. 1,852,212; Apr. 5.
Coupling device. E. W. Wolford. 1,857,429; May 10.
Coupling device. C. Wood. 1,875,400; Sept. 6.
Coupling device, Accidents preventing. G. Meyer. 1,890,391; May 31.
Coupling device, Electromechanical. R. Gunn. 1,887,713; Nov. 15.
Coupling device, Inductance. I. R. Weir and L. W. Richardson. 1,854,008; Apr. 12.
Coupling device or electrical transformer, Electromagnetic. F. W. Twort. 1,857,970; May 10.
Coupling device, Train pipe. H. F. Woernley. 1,842,639; Jan. 26.
Coupling for air, water, and steam hose primarily intended for railroad use, Automatic. H. E. Rinehart. 1,854,382; Apr. 19.
Coupling for cars and train lines. G. Gray and C. Kingston. 1,876,918; Sept. 13.
Coupling for drill bits. H. C. Brewster. 1,873,814; Aug. 23.
Coupling for driving nuts and the like, Friction. J. M. Fox. 1,876,658; Sept. 13.
Coupling for fiber pipe. H. Parker. 1,881,915; Oct. 11.
Coupling for jointed fishing rods, Detachable. A. E. Little. 1,878,638; Sept. 20.
Coupling for lubrication, Pressure. J. F. MacIndoe. 1,865,382; July 5.
Coupling for mine cars, Automatic. L. Olcsvary. 1,876,341; Sept. 6.
Coupling for outlet boxes. C. H. Hagstedt. 1,855,447; Apr. 26.
Coupling for pipes with threaded ends. J. Foucault. 1,863,978; June 21.
Coupling for plain end pipes, Pipe. J. Clark. 1,888,260; Nov. 22.
Coupling for pump jacks, Drive. L. W. Witry and J. E. Cade. 1,854,436; Apr. 19.
Coupling for railroad cars, Emergency. P. L. Hudgins. 1,892,019; Dec. 27.
Coupling for railway cars, Automatic air or steam. B. B. Kosanovich. 1,885,523; Nov. 1.
Coupling for relatively movable members. R. F. Peo. 1,881,959; Oct. 11.
Coupling for revolving parts. F. Döring and W. Lohs. 1,851,668; Apr. 19.
Coupling for rubber covered tubing. F. B. Stover. 1,862,833; June 14.
Coupling for sander drum shafts. C. H. Petskeyes. 1,865,950; July 5.
Coupling for shafts. H. Rusby. 1,860,552; May 31.
Coupling for shafts, Flexible. L. E. Feightner. 1,868,282; July 19.
Coupling for tire inflating machines. E. E. White. 1,888,580; Nov. 22.
Coupling for tractor vehicles, Trailer. V. Alten. 1,844,140; Feb. 9.
Coupling for trailers. J. Schlagenbauf. 1,859,534; May 24.
Coupling for transmission gearing. J. P. Johnson. 1,884,976; Oct. 25.
Coupling for typewriter line spacing wheels. S. Friedmann. 1,889,047; Nov. 29.
Coupling for wire ropes. H. Jason. 1,866,470; July 5.
Coupling, Hydraulic. J. D. Baldwin, jr. 1,885,042; Oct. 25.
Coupling interlock. S. G. Down. 1,860,408; May 31.
Coupling means, Adjustable. M. E. Maher. 1,845,672; Feb. 16.
Coupling mechanism. A. Christianson. 1,849,612; Mar. 15.
Coupling mechanism. J. C. F. Sell. 1,871,241; Aug. 9.
Coupling mechanism. A. H. Tomlinson. 1,891,659; Dec. 20.
Coupling mechanism for semitrailers, Automatic. H. W. Helms. 1,862,115; June 7.
Coupling, more particularly for gun laying mechanism, Slipping. L. Daum. 1,865,356; June 28.
Coupling of agricultural implements. E. Wittouck and A. G. Wittouck. 1,870,548; Aug. 9.
Coupling or braking, Device for. H. Föttinger. 1,848,616; Mar. 8.
Coupling shaft, Truck extension. L. S. Sheldrick. 1,862,099; June 7.
Coupling system. W. A. MacDonald. 1,845,306; Feb. 16.
Coupling system. W. A. MacDonald. 1,857,055; May 3.
Coupling system. W. V. Roberts. 1,872,343; Aug. 16.
Coupling system for high frequency transmitters. L. A. Gebhard. 1,874,930; Aug. 30.
Coupling system for regulating apparatus. W. Pontow. 1,874,800; Aug. 30.
Coupling system, High-frequency. J. K. Johnson. 1,855,054; Apr. 19.
Coupling terminal for conduits. R. P. Jacques. 1,871,370; Aug. 9.
Coupling transformer. R. L. Davis. 1,844,501; Feb. 9.
Coupling two vehicles. A. Kegresse. 1,886,693; Nov. 8.
Couplings, Apparatus for coating flanged. H. M. Cook and W. H. T. Thornhill. 1,846,249; Feb. 23.
Couplings for electric discharge devices, Combined fluid and electrical. H. J. Nolte. 1,888,833; Nov. 22.

Couplings, Making pipe. J. D. Baldwin, jr. 1,851,031; Mar. 29.
Couplings, Making pipe. S. N. Smith and J. F. Bemies. 1,880,115; Sept. 27.
Couplings or fittings, Making pipe. J. D. Baldwin, jr. 1,860,604; May 31.
Couplings, Producing pipe. A. J. Weatherhead, jr. 1,839,969; Jan. 5.
Coupling unit. I. W. Knight. 1,862,686; June 14.
Coupon cutter. J. D. Adams. 1,849,166; Mar. 15.
Coupon feeding mechanism. B. R. Schneider and K. Kaiser. 1,864,695; June 28.
Coupon folder. J. A. B. Smith. 1,861,459; June 7.
Coupon folding machine. B. R. Schneider and K. Kaiser. 1,846,764; Feb. 23.
Coupon ticket printing machine. M. J. Hoffman. 1,871,068; Aug. 9.
Coursing starting box. O. P. Arneson. 1,851,480; Mar. 29.
Court, Indoor tennis. G. Hadden and C. A. Holden. 1,883,731; Oct. 18.
Court, Playing. K. W. Otto. 1,862,423; June 7.
Court and treating same, Tennis. G. T. King. 1,885,207; Nov. 1.
Cover. J. G. King. 1,846,521; Feb. 23.
Cover. M. E. Lipschultz. 1,889,206; Nov. 29.
Cover, Adjustable automobile panel. H. A. Sallop. 1,856,115; May 3.
Cover and initial mounting. A. H. Smith. 1,867,424; July 12.
Cover and making the same, Book or binder. C. D. Trussell. 1,887,530; Nov. 15.
Cover and rating aerial, Spare-tire. F. W. Stein. 1,888,777; Nov. 22.
Cover and seat, Combined radiator. A. B. Modine. 1,889,370; Nov. 29.
Cover and support, Notebook. C. E. Rubicam, jr. 1,889,420; Nov. 29.
Cover attachment, Umbrella and parasol. O. I. Kahn. 1,855,292; Apr. 26.
Cover. Automatic locking. C. W. Heath. 1,880,135; Sept. 27.
Cover, Automotive tire. G. A. Lyon. Des. 88,359; Nov. 22.
Cover, Battery. V. Jansch. 1,845,418; Feb. 16.
Cover, Bed-spring. C. Wales, jr. 1,890,689; Dec. 13.
Cover, Beehive. M. G. Eldred. 1,871,595; Aug. 16.
Cover, Book. F. G. Bolton. 1,850,059; Mar. 15.
Cover, Book. S. Hillyard. Des. 87,514; Aug. 9.
Cover, Book. O. Wiesendanger. 1,881,304; Oct. 4.
Cover, Bottle. J. Kappelly. 1,843,325; Feb. 2.
Cover, Bulb or the like. C. M. MacChesney and A. B. Wilson. 1,888,354; Nov. 22.
Cover, Butter tub. A. M. Walstrom. 1,859,639; May 24.
Cover, Card table. C. Waters, jr. Des. 87,695; Aug. 30.
Cover, Card table. G. C. Waters. 1,856,799; May 3.
Cover closing for steam barrels, heating boilers and the like. C. Lange. 1,889,606; Nov. 29.
Cover, Combination automobile seat. H. A. Sallop. 1,853,579; Apr. 12.
Cover, Combination mirror and tire. G. A. Lyon. 1,858,515; May 17.
Cover, Combined fender and tire. T. J. McCormick and R. E. Linn. 1,846,134; Feb. 23.
Cover, Combined humidifier and radiator. C. A. Olson. Des. 86,047; Jan. 19.
Cover, Container. W. H. Nutting. 1,874,706; Aug. 30.
Cover, Cylinder water jacket. M. L. Carpentier. 1,867,351; July 12.
Cover, Dental chair headrest. I. E. Rotner. 1,854,068; Apr. 12.
Cover, Filler. J. J. Scanlan. 1,882,963; Oct. 18.
Cover, fold and filler, Check book. S. R. Coleman. 1,880,384; Oct. 4.
Cover for a mouth-harmonica, Celluloid. A. Schwarz. Des. 85,995; Jan. 12.
Cover, Fuse automatic fire arms, Sliding. R. von Frommer. 1,878,038; Sept. 20.
Cover for bathtubs and the like, Protective. J. H. McCann. 1,841,143; Jan. 12.
Cover for boilers, heating furnaces, water heaters, or the like. W. D. Teague. Des. 87,553; Aug. 9.
Cover for children, Sleeping. A. L. Thexton and M. R. Thexton. 1,875,525; Sept. 6.
Cover for coffee makers, Lower bowl. F. E. Wolcott. Des. 87,181; June 14.
Cover for coffee makers, Upper bowl. F. E. Wolcott. Des. 87,179; June 14.
Cover for containers. W. R. Bertels. 1,861,377; May 31.
Cover for containers. E. A. Florang. 1,891,151; Dec. 13.
Cover for dump body vehicles. H. W. Helms. 1,856,281; May 3.
Cover for dump body vehicles, Collapsible. H. W. Helms. 1,856,280; May 3.
Cover for gas ranges, Articulated top. W. S. Ross. 1,870,653; Aug. 9.
Cover for handbags. B. R. Thornbill and M. E. Rohr. 1,867,116; July 12.
Cover for ice cream cans, Surface. R. Singer. 1,868,772; July 26.
Cover for land vehicles. W. Woolcott. 1,863,957; June 21.
Cover for percolators. W. G. Billerman. 1,840,303; Jan. 12.
Cover for shipping drums. J. M. Coughlin. 1,868,940; July 26.
Cover for sintering machines. G. U. Greene. 1,856,548; May 3.
Cover for spare automobile tires. G. A. Lyon. Re18,619; Oct. 11.
Cover for spare automobile tires. G. A. Lyon. 1,846,266; Feb. 23.
Cover for spare tires of automobiles. G. A. Lyon. 1,849,013; Mar. 8.
Cover for spare tires for automobiles. G. A. Lyon. 1,875,316; Sept. 6.
Cover for spare tires, Tire. C. F. Lambers. Des. 88,800–1; Dec. 27.
Cover for stockingless legs, Invisible foot. S. L. and H. B. Friedman. 1,877,393; Sept. 13.
Cover for tank cars, Dome. J. L. Cole. 1,883,880; Oct. 25.
Cover for toilets, Pit. G. W. Garrett. 1,840,709; Jan. 12.
Cover for travelers' articles adapted to form a support. F. A. Laumonier. 1,850,887; Mar. 22.
Cover for underfloor piping. J. E. Burks. 1,858,803; May 17.
Cover for vegetable peeling machines. M. R. Antice. 1,855,085; Apr. 19.
Cover for vitreous vessels. T. W. Beatty. 1,844,053; Feb. 9.
Cover glass lens for headlights. G. A. M. Lamblin-Parent. Des. 87,842–3; Sept. 27.
Cover, Golf club. L. L. Bright. 1,886,464; Nov. 8.
Cover, Grave vault. B. G. Koehneing. 1,892,028; Dec. 27.
Cover, installation for storage bins. D. E. Stair. 1,857,886; May 10.
Cover, installation for storage bins. D. E. Stair and C. L. McDonald. 1,857,885; May 10.
Cover, Ironing board. N. N. Sundby. 1,881,977; Oct. 11.
Cover, Jar. N. de George. 1,866,651; Nov. 8.
Cover, Jar. M. A. Hollman. 1,858,342; May 17.
Cover, Key. J. Cicourel. 1,868,563; July 26.
Cover-locking and drive-controlling means for mixing and analogous machines. F. Windecker. 1,874,402; Aug. 30.
Cover, Luminous dial. I. E. Carroll. 1,860,606; May 31.
Cover, Manhole. L. Gschwind. 1,850,455; Mar. 22.
Cover, Manhole. C. B. Shanley. 1,877,996; Sept. 20.
Cover, Mattress-supporting spring. W. P. Rylander. 1,884,270; Oct. 25.
Cover, Metallic tire. A. C. Ramsay and R. T. Bagby. 1,891,727; Dec. 20.
Cover, Milk and cream can. B. Nielsen. 1,867,677; July 19.
Cover, Olla. C. F. Chrisman. 1,841,877; Jan. 19.
Cover operator and holder for garbage cans and the like. H. L. Scruton. 1,843,210; Jan. 19.
Cover or closure, Sanitary. F. L. Dalley. 1,858,139; May 10.
Cover or protector for vehicles and the like. S. Amico. 1,849,738; Mar. 15.
Cover or the like, Pillow. M. W. Berlfein. Des. 88,070; Oct. 25.
Cover or the like, Pillow. M. W. Berlfein. Des. 88,206; Nov. 1.
Cover or the like, Pillow. A. Rosenstein. Des. 87,980; Oct. 18.
Cover, Pamphlet and book. B. E. Stephens. 1,870,183; Aug. 2.
Cover, Pamphlet and book. B. E. Stephens. 1,887,338; Nov. 8.
Cover, Party row. A. N. Gustavson. 1,850,873; Mar. 22.
Cover, Protective. N. I. Fleischer. 1,879,739; Sept. 27.
Cover, Protective book. H. Waldman. 1,875,284; Aug. 30.
Cover, Radiator. W. J. Bacon. 1,856,454; May 3.
Cover, Radiator. O. Schwartz. 1,850,605; Mar. 22.
Cover, Receptacle. D. A. Sprigings. 1,870,390; Aug. 9.
Cover, Register. H. E. Kloerman. 1,886,024; Nov. 1.
Cover replacing device for can washing machines. J. M. McClatchie. 1,868,537; July 26.
Cover, retaining means. R. A. Swanson. Re18,407; Apr. 5.
Cover rimmer, Tub. J. Young, jr. 1,852,038; Apr. 5.
Cover, Room thermostat. L. J. Schanz. Des. 87,683; Aug. 30.
Cover, Rubber table. C. A. Hupp. 1,865,011; June 28.
Cover, Seat. W. L. Fry. 1,862,476; June 7.
Cover, Seat. S. E. Lyman. 1,889,662; Nov. 29.
Cover, Seat. M. Schwartz. 1,861,455; June 7.
Cover, Seat. H. G. Wedler. 1,877,418; May 10.
Cover, Seat. H. G. Locke. 1,877,945; Sept. 20.
Cover, Seat. H. G. Wedler. 1,882,169; Oct. 11.
Cover, Seat. C. H. Wishmeier. 1,840,995; Jan. 12.
Cover, Seat. E. Witcomb. 1,882,434; Oct. 11.
Cover, Seat side arm. W. L. Fry. 1,856,868; May 3.
Cover, Separable deck. T. N. Pierson. 1,844,262; Feb. 9.
Cover, Ship's hatch. H. Cocks. 1,869,221; June 21.
Cover, Ship's hatch. R. MacGregor. 1,849,801; Mar. 15.
Cover, Sirup pitcher. I. Lennox. 1,867,461; July 12.
Cover, Spring. D. K. Pope. 1,871,341; Aug. 9.
Cover, Spring. M. H. Whitehouse. 1,846,778; Feb. 23.
Cover, Table. J. T. Vogel. Des. 87,091; May 31.
Cover, Temporary bathtub. G. M. Gould. 1,861,495; June 7.
Cover, Tire. R. R. Crocker. 1,889,776; Dec. 6.
Cover, Tire. C. M. Ellenberger. 1,886,270; Nov. 1.

Cover, Tire. R. E. Linn. 1,890,123; Dec. 6.
Cover, Tire. T. J. McCormick and R. E. Linn. Des. 87,671; Aug. 30.
Cover, Tire. T. J. McCormick and R. E. Linn. 1,865,031; June 28.
Cover, Toilet seat. G. F. Grammas. 1,846,960; Feb. 23.
Cover, Toilet seat. J. Moore. 1,847,131; Mar. 1.
Cover, Typewriter. W. R. Swalm. 1,863,130; June 14.
Cover, Upholstery. P. M. Lockwood and E. Samel. 1,886,488; Nov. 8.
Cover with peripheral stiffening means, Tire. G. A. Lyon. 1,871,188; Aug. 9.
Cover with wire mesh center shield, Tire. R. W. Lewis. 1,881,735; Oct. 11.
Cover wrench, Jar. R. Ratzlaff. 1,890,528; Dec. 13.
Covering. A. Wheatley. 1,865,345; June 28.
Covering and forming the same, Floor. P. R. Bettison. 1,846,940; Feb. 23.
Covering and making same, Fibrous. H. L. Levin. 1,887,979; Nov. 15.
Covering and setting, Grave. G. H. Wartman. 1,886,437; Nov. 8.
Covering, Bed. E. S. Smith. 1,885,558; Nov. 1.
Covering, Box. A. Melin. Des. 87,641; Aug. 23.
Covering, Building. E. R. Black. 1,890,928; Dec. 13.
Covering, Building. J. E. Black. 1,873,944; Aug. 23.
Covering, Combined floor and cove. W. J. Tompkins. 1,853,117; Oct. 18.
Covering device for elastic strands, wire, and the like. J. Vacher. 1,879,963; Sept. 27.
Covering, Floor. P. Gross. 1,850,928; Mar. 22.
Covering, Floor. J. B. Campbell. Re18,582; Aug. 30.
Covering, Floor. S. H. Hartman. 1,839,551; Jan. 5.
Covering, Floor and wall. O. A. Heppes. 1,854,512; Apr. 19.
Covering for aircraft, Porous. V. Lougheed. 1,880,207; Oct. 4.
Covering for articles of furniture, Protective. C. E. Friesner. 1,881,454; Oct. 11.
Covering for articles of wood and similar materials. H. L. Van Arnam. 1,860,000; May 24.
Covering for automobile bumpers, Protective. C. B. Woodworth. 1,858,569; May 17.
Covering for buildings, Surface. R. Maclean. 1,862,627; June 14.
Covering for graves. P. E. Schroeder. 1,882,986; Oct. 18.
Covering for motorcar tires. T. Nagamine. 1,858,965; May 17.
Covering for safes, Protective. W. G. Norris. 1,843,619; Feb. 2.
Covering for walls. E. F. Thulin. 1,882,529; Oct. 11.
Covering, Making. M. E. Van Sickle. 1,861,969; June 7.
Covering, Making wall. J. H. Delaney. 1,890,674; Dec. 13.
Covering material, Method and apparatus for decorating flexible surface. J. C. McCarthy. 1,862,189; June 7.
Covering, Mattress or cushion. W. George. 1,874,494; Aug. 30.
Covering, Noncurling floor. C. Ellis. 1,848,329; Mar. 8.
Covering of optical cases. F. T. Willmott. 1,842,925; Jan. 26.
Covering of wire, thread-like and filamentary material, and the like, with india rubber, guttapercha, balata, or similar materials or compounds thereof and apparatus therefor. D. F. Twiss and E. A. Murphy. 1,857,987; May 10.
Covering or rug, Floor. A. G. Holland. 1,859,922; May 24.
Covering, Pipe. W. R. Greig. 1,876,665; Sept. 13.
Covering, Pipe. L. M. Risbel. 1,860,203; May 24.
Covering, Pipe-line. A. F. Pistor. 1,867,984; July 19.
Covering, Plaster or carrying wire netting. C. Schröder, sr. 1,890,023; Dec. 6.
Covering, Printed floor. G. M. Fauser. Des. 88,147; Nov. 1.
Covering, Roof. T. D. Miller. 1,848,965; Mar. 8.
Covering unit and making the same. B. H. Kauffman. 1,845,419; Feb. 16.
Covering, Wall. J. Krauss. 1,853,822-4; Apr. 12.
Covering, Waterproof. S. H. Hartman. 1,855,743; Apr. 26.
Coverings, Manufacture of embossed flexible hard surfaced. W. F. Kaufman. 1,850,630; Mar. 22.
Coverings to the laminations of friction clutches and the like, Apparatus for applying frictional. H. Kattwinkel. 1,842,406; Jan. 26.
Covers, Assembling and binding toilet seats and. E. L. Delany. 1,870,715; Aug. 9.
Covers, Attachment for can. H. F. W. Palmer. 1,869,712; Aug. 2.
Covers, Fastening device for airplane wing. R. I. Markey. 1,856,708; May 3.
Covers for receptacles. H. G. Kuck and T. J. Abele. 1,881,694; Oct. 11.
Covers, Making container. J. M. Hothersall. 1,839,482; Jan. 5.
Covers, Production of flexible floor-, wall- and like. P. C. van der Willigen. 1,890,476; Dec. 13.
Covers to Jars, Attaching. M. M. Michelin. 1,848,189; Mar. 8.
Covers, Treating can. J. M. Young. 1,848,290; Mar. 8.
Cowl. E. Emisch. 1,862,213; June 7.
Cowl, One piece ring. R. J. Minshall. 1,880,355; Oct. 4.
Cowl ventilator. G. Trautvetter. 1,866,735; July 12.
Cowl ventilator. A. Zech. 1,858,977; May 17.
Cracker refeeding device. R. L. Dauber. 1,843,080; Jan. 26.
Cracking and coking, Process of. J. D. Fields. 1,864,886; June 28.
Cracking process for hydrocarbon oils. D. Pyzel. 1,891,218; Dec. 13.
Cracking still and process. W. L. Bagwill. 1,886,621; Nov. 8.
Cracking system E. J. Shaeffer and E. P. Brown. 1,851,626; Mar. 29.
Cradle. W. Salamon. 1,842,290; Jan. 19.
Craft, Amphibious. M. E. Howe. 1,855,357; Apr. 12.
Craft, Dirigible air sailing. A. H. Lawrence. 1,879,345; Sept. 27.
Craft, Flying. J. E. Lesh and J. W. Hohl. 1,882,387; Oct. 11.
Cranberry picker. O. Tervo. 1,883,101; Oct. 18.
Crane. C. Cohen-Venezian. 1,877,373; Sept. 13.
Crane. A. Dlouhy. 1,866,132; Feb. 2.
Crane. R. W. Kaltenbach. 1,865,762; July 5.
Crane. N. P. Larsen. 1,873,433; Aug. 23.
Crane. R. S. Lewis. 1,845,161; Feb. 16.
Crane. B. H. Lichtenberg. 1,843,773; Feb. 2.
Crane. P. A. H. Mossay. 1,840,522; Jan. 12.
Crane. C. K. Pevear. 1,877,582; Sept. 13.
Crane, Hydraulic. W. Ferris. 1,866,801; July 12.
Crane, Mail loading and unloading. G. Blum and G. Fisher. 1,876,199; Sept. 6.
Crane, Train order delivery. G. M. Barnett. 1,858,129; May 10.
Crane, Traveling. B. F. Fitch. 1,860,733; May 31.
Crane, Traveling. B. F. Fitch. 1,884,641; Oct. 25.
Crane, Traveling. D. and E. H. Kendall. 1,882,325; Oct. 11.
Crane, Wheeled mine. C. Gottschalk and D. T. Blakey. 1,870,906; Aug. 9.
Crank. H. E. Fear. 1,877,424; Sept. 13.
Crank. C. McC. Wellons. 1,882,203; Oct. 11.
Crank case. C. A. Busch. 1,847,813; Mar. 1.
Crank case construction for engines and the like. E. S. McPherson. 1,876,708; Sept. 13.
Crankcase ventilating inlet, Thermostatically controlled. L. B. Ellis. 1,869,553; Aug. 2.
Crank case ventilating means for internal combustion engines. R. Murphy and E. S. Marks. 1,869,575; Aug. 2.
Crankcase ventilation. R. Schittke. 1,872,609; Aug. 16.
Crankcase with false bottom. F. O. Clements. 1,892,135; Dec. 27.
Crank connection for radial motors. J. Newmann. 1,877,729; Aug. 16.
Crank for internal combustion engines, Starting. C. Heuner. 1,882,594; Oct. 11.
Crank handle. S. F. Briggs and F. J. Stuckert. 1,877,798; Sept. 20.
Crank, Load balancing. H. N. Marsh. 1,866,049; July 5.
Crank mechanism for reciprocating engine. D. C. Brant. 1,888,448; Nov. 22.
Crank pin, Adjustable. W. V. Orr. 1,847,048; Feb. 23.
Crankshaft and connecting rod for internal combustion engines. J. D. Miranda. 1,863,667; June 21.
Crankshaft balancer. R. V. Hutchinson. 1,865,108; June 28.
Crankshaft for use in gasoline motors. J. W. Wright. 1,845,110; Feb. 16.
Crank shaft wrench, Auto. W. W. McKee. 1,890,227; Dec. 13.
Crank shafts, Making. E. T. Causer. 1,860,607; May 31.
Crank shafts, Twisting. H. M. Wolfe and C. A. Nichol. 1,890,635; Dec. 13.
Crate. J. J. Dahlstrom. 1,873,187; Aug. 23.
Crate. W. W. Day. 1,855,943; Apr. 26.
Crate. W. W. Robinson. 1,890,067; Dec. 6.
Crate. W. F. Sneed, jr. 1,892,170; Dec. 27.
Crate. C. A. Woolsey and H. V. Bowman. 1,858,846; May 17.
Crate brace, Bottle. J. F. Maurer, jr. 1,891,103; Dec. 13.
Crate, Brick. D. M. Kuchta. 1,879,756; Sept. 27.
Crate, Collapsible. W. L. Garrett. 1,862,027; June 14.
Crate, Collapsible. J. C. Miller. 1,867,277; July 12.
Crate, Collapsible shipping. M. Foshee. 1,879,157; Sept. 27.
Crate corners and rail bottom. E. M. Pennock. 1,890,161; Dec. 6.
Crate, Folding. E. C. Bottrell. 1,891,342; Dec. 13.
Crate, Folding. F. H. Warren. 1,882,048; Oct. 11.
Crate, Fruit and vegetable field. J. R. Keith. 1,877,666; Sept. 13.
Crate, Metal folding. W. P. Griffith. 1,890,983; Dec. 13.
Crate, Milk bottle. H. M. Sloat. 1,876,323; Sept. 6.
Crate, Pickling. W. J. Braddock and C. W. Haller. 1,858,430; May 17.
Crate, Shipping. P. N. Curtis. 1,867,062; July 12.
Crawler tread mechanism. G. C. Jett. 1,881,630; Oct. 11.
Cream cooler. C. W. Fryhofer. 1,854,169; Apr. 19.
Cream, Masking. E. J. Ryan. 1,861,165; May 31.
Cream, Preparing whipped. L. Roush. 1,852,267; Apr. 5.
Cream salvaging and utensil cleansing apparatus. A. J. Davis. 1,851,002; Mar. 29.

Cream separator washer. S. Wells, 1,887,174; Nov. 8.
Cream, Vanishing. F. A. Vaupotic. 1,875,530; Sept. 6.
Creamed products, Making. S. F. Stickell and J. R. Poole. 1,890,057; Mar. 15.
Creamer or similar article. Y. Buma. Des. 86,215; Feb. 16.
Creamer or similar article. R. E. Patten. Des. 88,437; Nov. 29.
Creaser and slitter, Paper. M. M. Roberts. 1,867,713; July 19.
Creasing and folding machine. G. A. Ungar. 1,882,581; Oct. 11.
Creasing apparatus. R. R. Bollman. 1,889,432; Nov. 29.
Credit register, Folding. J. E. Dungan. 1,870,444; Aug. 9.
Creel. F. Klein. 1,885,114; Nov. 1.
Creel. F. H. Martin. 1,891,432-3; Dec. 20.
Creel. T. S. Morrison. 1,845,929; Feb. 16.
Creel. E. D. Rhodes. 1,852,027; Apr. 5.
Creel, Collapsible. J. O. Leibold. 1,849,543; Mar. 15.
Creels or the like, Balloon guard for. H. F. Burton. 1,886,638; Nov. 8.
Crematory niche frames, Mounting. L. F. Moore. 1,846,432; Feb. 23.
Crevice filling implement. F. W. Harding. 1,841,180; Jan. 12.
Crevices in rock formations or the like, Method and apparatus for sealing. G. W. Christians. 1,858,952; May 17.
Crew of sunken vessels, especially submarines, Device for saving the. S. Hönig, sr. 1,844,763; Feb. 9.
Crib. J. H. Bradley. 1,884,552; Oct. 25.
Crib. A. G. Hedman. Des. 85,921–4; Jan. 5.
Crib, Automobile baby. W. G. Tyler. 1,885,493; Nov. 1.
Crib construction, Child's knockdown. E. Mayette. 1,862,200; June 7.
Crib, Folding. A. M. Brown. 1,846,673; Feb. 23.
Crib, Folding. H. E. McCandless. 1,878,958; Sept. 20.
Crib, Folding. I. V. Nigg. 1,850,307; Apr. 26.
Crib, Knockdown. E. J. Gray. 1,845,791; Feb. 16.
Crib or bassinet, Child's. W. L. Beaman. 1,847,916; Mar. 1.
Cribbage board. F. L. Morse. 1,843,457; Feb. 2.
Cribbing. E. C. Alexander. 1,871,439; Aug. 16.
Cribbing. E. C. Alexander. 1,871,488; Aug. 16.
Cribbing. J. S. Huntoon. 1,851,959; Mar. 29.
Cribbing. G. W. Powers. 1,884,854; Oct. 25.
Crinkling machine. W. G. Williamson. 1,853,791; Apr. 12.
Cross bearer for freight cars. W. E. Wine. 1,880,629; Oct. 4.
Cross-chains and the like, Process and apparatus for reenforcing. J. R. Reyburn. 1,865,275; June 28.
Cross cutter. G. Strecker. 1,867,335; July 12.
Crosshead, Adjustable. T. Rogatchoff. 1,873,482; Aug. 23.
Crosshead adjuster. T. Rogatchoff. 1,873,483; Aug. 23.
Cross head guide for engines. J. W. Highleyman. 1,868,205; July 19.
Crosstalk, Apparatus and method for remedying. A. G. Chapman. 1,863,651; June 21.
Crosstalk between signaling circuits, System for neutralizing. O. H. Coolidge. 1,861,524; June 7.
Crosstalk in cable systems, Reducing. K. E. Latimer. 1,868,516; Nov. 22.
Crosstie for locomotives. L. L. Neebe. 1,867,467; July 12.
Cross winding frame. H. Schweiter. 1,856,513; May 3.
Crossing. T. H. M. Crampton. 1,849,048; Mar. 8.
Crossing for railway tracks. P. M. Grosjean. 1,868,061; July 19.
Crossing for tramways or railways, Built-up railway. H. T. Jones, S. S. Wrightson, and C. R. Matthews. 1,855,969; Apr. 26.
Crossing gate. F. H. Shetler. 1,853,934; Apr. 12.
Crossing gate, Railroad. M. J. Farrell and L. Staffaroni. 1,871,167; Aug. 9.
Crossing gate, Railroad. E. C. Krage. 1,863,310; June 14.
Crossing gate, Railroad. C. Strackbein. 1,842,128; Jan. 19.
Crossing guard. G. W. Goodman. 1,878,234; Sept. 20.
Crossing, Metallic railway. M. L. Eckhart. 1,844,912; Feb. 9.
Crossing, Overhead street. J. B. Strauss. Des. 86,338; Feb. 23.
Crossing protection, Highway. P. H. Crago. 1,855,705; Apr. 26.
Crossing protection, Highway. L. E. Spray. 1,884,329; Oct. 25.
Crossing, Railway. C. W. Symonds. 1,858,472; May 17.
Crossing, Railway highway. J. W. Cerny. 1,848,604; Mar. 8.
Crossing, Railway highway. G. Ferneding and H. N. West. 1,885,244; Nov. 1.
Crossing safety hazard. C. S. Tibbetts. 1,843,746; Feb. 2.
Crossing signal. A. Stewart. 1,885,153; Nov. 1.
Crossing signal. M. D. Wilson. 1,890,352; Dec. 6.
Crossing signal, Automatic railroad. S. Wenger. 1,891,739; Dec. 20.
Crossing signal, Railroad. F. W. Griswold. 1,881,516; Oct. 11.
CrO_3, Technically pure. C. H. Humphries. 1,857,548; May 10.
Crow trap. J. W. Allen. 1,845,212; Feb. 16.
Crown block. W. D. Davidson. 1,841,792; Jan. 19.
Crown construction for derricks. L. A. Rawson. 1,870,587; Aug. 9.
Crowning device for expansion joints. A. C. Fischer. 1,891,397; Dec. 20.
Crowning mechanism. J. Kantor. 1,870,999; Aug. 9.
Crucible for alumino-thermic reactions. E. F. Begtrup. 1,872,291; Aug. 16.
Crucible for alumino-thermic reactions. E. F. Begtrup. 1,883,755; Oct. 18.
Crucible furnace. H. E. White. 1,873,801; Aug. 23.
Crudes and the like, Apparatus for cracking reduced. N. E. Loomis. 1,865,027; June 28.
Cruet or similar container. H. R. McDonald. Des. 87,014; May 24.
Cruiser, Cabin. S. C. Kyle. Des. 86,320; Feb. 23.
Cruiser, Sectional. C. W. Neill. 1,891,602; Dec. 20.
Crusher: *See*—
Box crusher.
Double roll crusher.
Fruit crusher.
Hammer crusher.
Jaw crusher.
Rock crusher.
Stone crusher.
Crusher. J. A. Flint. 1,847,083; Mar. 1.
Crusher. R. D. Nye. 1,851,109; Mar. 29.
Crusher and soil pulverizer, Clod. P. W. Brown. 1,855,091; Apr. 19.
Crusher jaw, Rock. E. L. Kropp. 1,849,935; Mar. 15.
Crusher mill driving means. H. H. Rumpel. 1,864,556; June 28.
Crusher roll construction. G. E. Smith. 1,884,316; Oct. 25.
Crushing and grinding machine. O. Gaiser. 1,885,251; Nov. 1.
Crushing apparatus. E. B. Symons. 1,863,529; June 14.
Crushing apparatus. E. B. Symons. 1,868,338; July 19.
Crushing machinery. W. A. Batey. 1,884,523; Oct. 25.
Crushing machinery. G. W. Borton. 1,884,544; Oct. 25.
Crushing mill. E. C. Loesche. 1,840,366; Jan. 12.
Crushing, screening and loading plant, Portable. H. Knipple. 1,876,460; Sept. 6.
Crustacean trap. C. Kraus and A. J. Cusick. 1,887,059; Nov. 8.
Crutch. V. Murka. 1,870,921; Aug. 9.
Cryolite, Recovery of. J. E. Morrow. 1,871,723; Aug. 16.
Cryptographic enciphering and deciphering device. G. A. Graham, L. M. Evans, and W. F. Friedman. 1,857,374; May 10.
Cryptographic machine. E. H. Hebern. 1,861,857; June 7.
Crystal apparatus, Piezo electric. A. Crossley. 1,867,792; Nov. 8.
Crystal article, Method to produce. A. J. Throm. 1,889,390; Nov. 29.
Crystal growth. H. E. Cocksedge. 1,845,742; Feb. 16.
Crystal mounting, Piezo-electric. G. M. Thurston. 1,883,111; Oct. 18.
Crystal, Piezo-electric. E. O. Hulburt. 1,848,630; Mar. 8.
Crystal, Piezo-electric. A. Meissner. 1,875,347; Sept. 6.
Crystallization apparatus. F. Jeremiassen. 1,860,741; May 31.
Crystallization of gums, fondants, sweetmeats or the like. A. G. Hulme. 1,867,263; July 12.
Crystallizing. C. L. Sovereign. 1,870,030; Aug. 2.
Crystals, Apparatus for forming. A. Horvath. 1,877,403; Sept. 13.
Crystals containing potassium and ammonium, Production of mixed. E. Jänecke. 1,848,131; Mar. 8.
Crystals, Production of coarse. W. Eissner. 1,880,925; Oct. 4.
Crystals, Vibrating. E. Giebe and A. Scheibe. 1,869,556; Aug. 2.
Crystals, Vibrating. E. Giebe and A. Scheibe. 1,874,960; Aug. 30.
Cube tap. A. H. Massey. Des. 87,845; Sept. 27.
Cuff and sleeve embroidered textile fabric, Combined. E. G. Zullig. Des. 86,501; Mar. 8.
Culinary apparatus. N. Emmons, 3d. 1,862,181; June 7.
Culinary apparatus. N. Emmons, 3d. 1,882,127; Oct. 11.
Culinary device. W. H. Rudolph. 1,874,807; Aug. 30.
Culinary implement. C. E. Latshaw. 1,856,769; May 3.
Cultivating imp'ement. C. E. Johnson. 1,857,384; May 10.
Cultivating implement. C. E. Johnson. 1,870,913; Aug 9.
Cultivating implement. G. A. Newhouse. 1,890,621; Dec. 13.
Cultivating implement. F. J. Siebenmann. 1,878,000; Sept. 20.
Cultivating machines, Attachment to. W. J. Horton. 1,870,850; Aug. 9.
Cultivator. I. Anderson and E. F. Russell. 1,844,455; Feb. 9.
Cultivator. F. P. Beedle and H. T. Kingsbury. 1,883,489; Oct. 18.
Cultivator. B. R. Benjamin. 1,854,822; Apr. 19.
Cultivator. T. Brown. 1,868,307; July 19.
Cultivator. L. W. Chase, F. L. Zybach, and J. C. Brand. 1,879,733; Sept. 27.
Cultivator. F. P. Franklin. 1,855,951; Apr. 26.
Cultivator. A. Graham. 1,842,667; Jan. 26.
Cultivator. T. W. Johnson. 1,846,059; Feb. 23.
Cultivator. T. W. Johnson. 1,886,691; Nov. 8.
Cultivator. A. S. Krotz. 1,852,120; Apr. 5.
Cultivator. B. Leiter. 1,870,740; Aug. 9.
Cultivator. H. A. Ludeke. 1,870,619; Aug. 9.

Cultivator. W. A. Martin. 1,868,330; July 19.
Cultivator. H. R. McLeod and C. Hohm. 1,846,975; Feb. 23.
Cultivator. M. G. Mitchell. 1,855,065; Apr. 19.
Cultivator. H. B. Murphy. 1,861,544; June 7.
Cultivator. H. Petersen. 1,841,206; Jan. 12.
Cultivator. C. W. Robinson. 1,846,457; Feb. 23.
Cultivator. A. V. Rowe. 1,875,159; Aug. 30.
Cultivator. S. Sheppard and O. Banker. 1,851,650; Mar. 29.
Cultivator. J. J. Spaeth. 1,887,334; Nov. 8.
Cultivator. C. G. Strandlund. 1,859,415; May 24.
Cultivator. C. G. Strandlund. 1,865,800; July 5.
Cultivator. C. G. Strandlund. 1,872,843; Aug. 23.
Cultivator. E. S. Thompson and J. R. Uiery. 1,880,577; Oct. 4.
Cultivator attachment. J. Brock. 1,845,957; Feb. 16.
Cultivator attachment. L. P. Holmgren. 1,842,268; Jan. 19.
Cultivator attachment. A. Hudec and T. T. Sefcik. 1,878,443; Sept. 20.
Cultivator attachment. C. E. Hutton. 1,854,697; Apr. 19.
Cultivator attachment. T. H. Mayfield. 1,847,490; Mar. 1.
Cultivator attachment. W. Zetzman. 1,864,394; June 21.
Cultivator attachment for tractors. E. M. Cole. 1,864,121; June 21.
Cultivator attachment for tractors. D. K. Trotter. 1,846,287; Feb. 23.
Cultivator attachment, Rotary. T. G. Kelso. 1,843,028; Jan. 26.
Cultivator, Corn. P. L. Terry. 1,855,326; Apr. 26.
Cultivator fender attachment. F. H. Oglesbee. 1,847,493; Mar. 1.
Cultivator, Field. C. W. Robinson. 1,886,229; Nov. 1.
Cultivator, Motor. J. L. Jackson. 1,865,521; July 5.
Cultivator, Power driven. W. E. Urschel. 1,843,095; Jan. 26.
Cultivator, Power lift. T. Brown. 1,872,236; Aug. 16.
Cultivator, Power lift. E. McCormick. 1,872,314; Aug. 16.
Cultivator, Riding. T. E. Ross and J. Ramstad. 1,845,887; Feb. 16.
Cultivator, Rotary garden. C. M. Hamshaw. 1,878,442; Sept. 20.
Cultivator, Rotary hoe. G. E. Karl. 1,884,720; Oct. 25.
Cultivator, Soil. C. A. Goddard. 1,886,178; Nov. 1.
Cultivator shield. J. W. Tibbitts. 1,880,584; Oct. 4.
Cultivator shovel. G. F. Dugger. 1,870,105; Aug. 2.
Cultivator shovel, Auxiliary. H. Chibnik. 1,872,072; Aug. 16.
Cultivator sweep. W. H. East, H. F. and W. H. Zent. 1,872,623; Aug. 23.
Cultivator, Three-row listed corn. L. W. Chase. 1,851,494; Mar. 29.
Cultivator, Tractor. T. Brown. 1,872,237; Aug. 16.
Cultivator, Tractor. G. Geraldson. 1,879,181; Sept. 27.
Cultivator, Tractor. A. W. Reynolds. 1,877,777; Sept. 20.
Cultivators, Clover attachment for feeder. C. C. Argabright. 1,849,739; Mar. 15.
Cultivators, Disk cultivator attachment for. A. V. Burch. 1,843,862; Feb. 2.
Cultivators, Operating. P. Creezée. 1,864,639; June 28.
Culture pearls, Production of perfectly spherical. K. Mikimoto. Re18,700; Dec. 20.
Culvert. V. B. Fredenhagen. 1,860,533; May 31.
Culvert. H. A. Spindler. 1,850,335; Mar. 22.
Culvert. W. J. Turner. 1,854,815; Apr. 19.
Culvert Road. W. L. Wheeler. 1,870,156; Aug. 2.
Culvert, Wooden stave. H. N. MacPherson. 1,886,707; Nov. 8.
Cup; Spout—
Caster cup.
Flavor dispenser cup.
Grease cup.
Liquid dispensing cup.
Paper cup.
Pastry cup.
Primer cup.
Sputum cup.
Suction bearing cup.
Suction cup.
Teat cup.
Turpentine cup.
Vacuum cup.
Cup. N. W. Cummins. Des. 87,872; Oct. 4.
Cup. E. S. Whitcomb. 1,852,830; Apr. 5.
Cup, adherent through mechanical pressure. O. L. Compter and J. Menard. 1,871,113; Aug. 9.
Cup and beverage tumbler, Combined egg. J. W. Kizinski. Des. 86,379; Mar. 1.
Cup and blank therefor. C. Barbieri. 1,870,223; Aug. 9.
Cup and saucer. C. R. Fish, jr. 1,862,533; June 14.
Cup and water vending machine, Combination drinking. R. C. Wolfe. 1,858,758; May 17.
Cupboard-desk. J. Killius and C. H. De Frehn. 1,892,061; Dec. 27.
Cup dispenser. C. Barbieri. 1,839,637; Jan. 5.
Cup filling machine, Charlotte russe. L. Triolo. 1,890,069; Dec. 6.
Cup follower ring, Piston. J. A. Yerkes and R. H. Lemmon. 1,849,165; Mar. 15.
Cup for air brakes, Drain. C. A. Campbell. 1,885,894; Nov. 1.
Cup for artificial teeth, Suction. H. R. Priest. 1,865,957; July 5.
Cup for birds, Drinking. S. Rotberg. 1,878,893; Sept. 20.
Cup for coffee filters, Extractor. H. W. Reid. 1,877,971; Sept. 20.
Cup for hog waterers, Mud. C. C. Quinn. 1,846,455; Feb. 23.
Cup machine. C. Barbieri. 1,846,244; Feb. 23.
Cup of milking machines, Teat. J. R. Knox. 1,839,765; Jan. 5.
Cup or similar article. G. N. Allen and E. H. Kreps. Des. 88,614–15; Dec. 13.
Cup or similar article. J. B. McDonald. Des. 87,123; June 7.
Cup or similar container. D. W. Janover. Des. 87,156; June 14.
Cup plate for protecting ends of pipe coverings. J. W. Farley. 1,873,747; Aug. 23.
Cup washer. W. S. White. 1,854,434; Apr. 19.
Cupboard. E. Everson. 1,882,277; Oct. 11.
Cupboard for kitchenettes. C. F. Berry. 1,882,540; Oct. 11.
Cupboard unit construction. F. Bolhuis. 1,880,733; Oct. 4.
Cupola and like furnace. J. E. Fletcher. 1,853,120; Apr. 12.
Cupola charging equipment. A. Lenz. 1,869,571; Aug. 2.
Cupola furnace. A. L. Boegehold. 1,872,097; Aug. 16.
Curb jack. H. F. Holtz. 1,888,083; Nov. 15.
Curb meter. J. F. Reid. 1,857,331; May 10.
Curb or edging for garden paths and the like. F. Clayden. 1,843,108; Feb. 2.
Curb pipe. H. C. Frey. 1,886,041; Nov. 1.
Curling iron. F. E. Marcel. 1,875,069; Aug. 30.
Currency or like package. W. H. Loomis, jr. 1,844,258; Feb. 9.
Current amplifier system, Constant. P. J. Walsh. 1,857,901; May 10.
Current collector. A. D. McKenzie. 1,891,205; Dec. 13.
Current collector. W. Schanke. 1,844,689; Feb. 9.
Current collector. W. Schanke. 1,871,239; Aug 9.
Current commutator machine, Alternating. E. F. W. Alexanderson. 1,867,396; July 12.
Current commutator motor, Alternating. J. Sousedík. 1,840,473; Jan. 12.
Current conducting bond, Electric. M. Schwartz. 1,850,284; May 17.
Current consumption system, Electric. R. C. Fryer. 1,871,170; Aug. 9.
Current control device. L. K. Wright. 1,873,242; Aug. 23.
Current control dumping device. W. R. Adams. 1,881,414; Mar. 8.
Current controlling or regulating device. L. W. McCullough. 1,868,710; July 26.
Current device, Space. R. G. Berthold. 1,871,443; Aug. 16.
Current device, Space. I. E. Mouromtseff. 1,839,886; Jan. 5.
Current device, Space. J. Slepian. 1,839,899; Jan. 5.
Current drive, Submerged alternating. M. Rehse. 1,850,140; Nov. 1.
Current discharge device, Space. A. A. Frey. 1,851,699; Mar. 29.
Current distributing device, Electric. W. A. Knoop. 1,873,429; Aug. 23.
Current distribution system, Alternating. A. H. Kehoe. 1,883,236; Oct. 18.
Current distribution system, Alternating. J. S. Parsons. 1,870,784; Aug. 9.
Current distribution, System of alternating. J. S. Parsons. 1,883,237; Oct. 18.
Current electricity meter, Alternating. S. Z. De Ferranti. 1,891,144; Dec. 13.
Current flow, Generating and distributing. L. L. Perry and A. M. Rossman. 1,892,533; Dec. 27.
Current impulses, Reversing. H. Lux. 1,866,573; July 12.
Current interrupter, Electric. L. Ludwig. 1,856,878; May 3.
Current interrupter. Electro-chemical. H. S. Polin. 1,863,253; June 14.
Current interrupting means, Electric. E. Kern. 1,877,753; Sept. 13.
Current inventory apparatus. J. D. Smith. 1,844,266; Feb. 9.
Current machine, Alternating. M. Cornu. 1,889,299; Jan. 5.
Current machine and starting means therefor, Alternating. F. W. Gay. 1,870,287; Aug 9.
Current measuring device for high frequency circuits. D. E. Richardson. 1,859,469; May 24.
Current mercury vapor apparatus, Alternating. F. Reynolds and A. L. Lees. 1,883,398; Oct. 18.
Current meter. E. J. Hoff. 1,852,414; Apr. 5.
Current meter indicating device. J. E. Langley. 1,862,935; June 14.
Current motor, Alternating. V. G. Apple. 1,875,207; Aug. 30.
Current motor, Alternating. E. C. Ballman. 1,865,160; June 28.
Current motor, Alternating. E. L. Barrett. 1,858,571; May 17.
Current motor, Alternating. A. W. Bohn. 1,870,229; Aug. 9.
Current motor, Alternating. W. C. Nein and T. W. Varley. 1,866,507; July 5.

Current motor, Alternating. E. G. Parvin. 1,851,591; Mar. 29.
Current motor, Alternating. W. Rienks. 1,867,328; July 12.
Current motor, Alternating. H. Weichsel. 1,858,255; May 17.
Current motor, Alternating. H. Weichsel. 1,870,272; Aug. 9.
Current motor, Alternating. H. Weichsel. 1,870,302; Aug. 9.
Current motor, Alternating. H. Weichsel. 1,872,371; Aug. 16.
Current motor control system, Direct. E. Kern. 1,873,966; Aug. 30.
Current protective relay, Alternating. F. Ollendorff and E. Friedländer. 1,871,822; Aug. 16.
Current, Rectification of alternating. R. H. Williamson. 1,874,840; Aug. 30.
Current, Rectification of electric. J. Jonas and S. Rump. 1,873,962; Aug. 30.
Current rectifier control system, Electric. E. Kobel. 1,873,968; Aug. 30.
Current rectifier, Electric. S. Ruben. 1,865,213; June 28.
Current rectifier, Electric. S. Ruben. 1,890,470; Dec. 13.
Current rectifier, Electric. O. Seitz. 1,858,907; May 17.
Current rectifying apparatus. A. S. Hubbard. 1,867,667; July 19.
Current rectifying control system, Electric. S. Widmer. 1,863,293; June 14.
Current rectifying system and apparatus. A. S. Hubbard. 1,845,151; Feb. 16.
Current regulation, Constant. H. Nyquist. 1,887,599; Nov. 15.
Current regulating device. H. M. Stephenson. 1,845,973; Feb. 16.
Current regulating device, Automatic. G. A. Mathieu. 1,892,215; Dec. 27.
Current regulator for electric lamps. C. L. Weichelt. 1,840,800; Jan. 12.
Current relay, Alternating. C. R. Beall and R. M. Gilson. 1,848,485; Mar. 8.
Current relays, Universal alternating. W. K. Howe. 1,852,846; Oct. 18.
Current retarding and deflecting device. L. H. Falley. 1,840,271; Jan. 5.
Current return connections for use in the progressive arc welding process, Movable ground or. A. W. Priebe and J. Hildebrandt. 1,840,251; Jan. 5.
Current shut-off mechanism. T. M. Paul. 1,868,365; July 19.
Current supervisory system, Carrier. T. S. Farley and C. F. Whitney. 1,844,648; Feb. 9.
Current supply regulating apparatus. E. O. Killius. 1,873,812; Sept. 27.
Current supply system, Direct. J. Slepian. 1,866,679; July 12.
Current-suppressor. W. H. T. Holden. 1,890,543; Dec. 13.
Current system, High voltage direct. R. E. Marbury. 1,874,109; Aug. 30.
Current tap, Electric. H. E. Slade and J. Gehring. 1,866,865; July 12.
Current tap with plural extensions. E. Clemence. 1,875,219; Aug. 30.
Current to track sections, Supplying. G. W. Baughman. 1,868,490; July 26.
Current transformer. A. O. Austin. 1,861,076; May 31.
Current transformer. A. O. Austin. 1,868,578; Aug. 2.
Current transformer. R. H. Borkent. 1,865,430; July 5.
Current transformer. A. Callsen. 1,882,773; Oct. 18.
Current transformer. S. S. Green. 1,875,590; Sept. 6.
Current transformer connection for relay operation. W. A. Lewis. 1,877,139; Sept. 13.
Current transformer, High-tension. G. Keinath and J. Scheremmer. 1,869,552; Nov. 29.
Current transformer, Split core. M. Tomoda. 1,862,613; June 14.
Current treatment, Apparatus for counter. R. B. Lebo. 1,865,024; June 28.
Current vapor electrical device, Alternating. L. F. Bird. 1,874,428; Aug. 30.
Currents, Apparatus for rectifying alternating. D. G. Ackerly. 1,845,573; Feb. 16.
Currents, Apparatus for reducing crosstalk. C. R. Keith. 1,869,565; May 24.
Currents, Arrangement for producing modulated. L. H. Garber, R. G. Hall, and C. Blackwood. 1,876,663; July 19.
Currents, Arrangement for producing modulated. H. H. Schimming. 1,862,608; June 14.
Currents by means of a voltaic arc, Apparatus for recording electric alternating. H. Konemann. 1,863,560; June 21.
Currents, Control of oscillatory. J. Hofmann. 1,854,259; Apr. 19.
Currents, Device for regulating alternating. N. A. J. Voorhoeve. 1,857,576; May 10.
Currents in audion amplifiers, Reducing retroactive. S. Ballantine. 1,889,741; Dec. 6.
Currents in bodies, Inducing electric. L. Lyndon. 1,844,432; Feb. 9.
Currents in polyphase windings, Apparatus for commutating. E. Kern. 1,873,965; Aug. 30.
Currents, Process and device for transformation of electric. J. Dieux. 1,856,910; May 3.
Currents, Rectification of alternating. H. P. Hollnagel and G. A. F. Winckler. 1,866,351; July 5.
Currents, Rectification of alternating. K. B. McEachron. 1,857,160; May 10.
Currents, System for producing high voltage direct. D. K.
Curtain and drape structure. W. C. Chapman. 1,892,448; Dec. 27.
Curtain and panel adjuster, Window sash. J. H. Monks. 1,845,886; Feb. 16.
Curtain and similar woven stuff, Manufacture of. J. van den Bergh. 1,864,105; June 21.
Curtain, Artistic. R. Leissner. 1,879,695; Sept. 27.
Curtain, Automobile door. G. E. Bishop. 1,860,983; May 31.
Curtain bracket. J. Keough. 1,867,974; July 19.
Curtain bracket. A. Nardoni. 1,867,089; July 12.
Curtain bracket. L. G. Strnad. 1,870,148; Aug. 2.
Curtain bracket and shade roller support, Combined. G. Santilli. 1,852,150; Apr. 5.
Curtain carrier. H. and I. Rumpf. 1,878,189; Sept. 20.
Curtain construction. W. S. Hamm. 1,841,730; Jan. 19.
Curtain control. W. C. Hazewaanch. 1,857,682; May 10.
Curtain device. J. E. Flynn. 1,857,368; May 10.
Curtain display rack. M. Brownstein. 1,888,756; Nov. 22.
Curtain drawing device. J. P. Schmidt, jr. 1,877,984; Sept. 20.
Curtain drying frame. L. W. Rickey. 1,866,056; July 5.
Curtain, dust guard and drapery holding bracket, Combination. R. H. Hammett. 1,881,035; Oct. 11.
Curtain fixture. G. B. Jenkinson. 1,881,627; Oct. 11.
Curtain fixture. W. C. and G. M. Kenney. 1,871,797; Aug. 16.
Curtain fixture. L. C. Kienzle. 1,873,205; Aug. 23.
Curtain fixture for use in connection with shade brackets. J. K. Odin. 1,859,884; May 24.
Curtain fixtures. W. C. and G. M. Kenney. 1,891,881; Dec. 20.
Curtain, Foldable. P. E. Erlinder. 1,877,829; Sept. 20.
Curtain, Foldable. C. H. Lamb. 1,877,950; Sept. 20.
Curtain for electrolytic cells employing fused baths. R. M. Hunter. 1,855,351; Apr. 26.
Curtain hanger. B. Z. Hausner. 1,861,342; May 31.
Curtain hanger. W. H. Packard. 1,865,030; June 28.
Curtain hanger. E. B. White. 1,852,729; Apr. 5.
Curtain hanger, Adjustable. T. P. Stewart. 1,845,686; Feb. 16.
Curtain hook. R. D. W. Vroom. 1,857,293; May 10.
Curtain operating device. J. Wittemann. 1,845,949; Feb. 16.
Curtain operating mechanism. C. A. Ulrich. 1,858,867; May 17.
Curtain operating mechanism. V. H. Volland. 1,848,086; Mar. 1.
Curtain, Plaited. D. Kaufman. 1,885,916; Nov. 1.
Curtain plaiting and hanging device. B. Wilson. 1,882,549; Oct. 11.
Curtain protector. C. Van Wie. 1,840,217; Jan. 5.
Curtain pull. W. J. Stuber. 1,892,087; Dec. 27.
Curtain raising device. H. Klein. 1,841,821; Jan. 19.
Curtain ring. H. and I. Rumpf. 1,854,275; Apr. 19.
Curtain rod. C. E. Blakely. 1,841,357; Jan. 19.
Curtain rod. G. A. Carlson. 1,858,950; May 17.
Curtain rod. O. Reinhardt. 1,875,150; Aug. 30.
Curtain rod. R. C. Vogt. 1,857,991; May 10.
Curtain rod. A. Zielinski. 1,868,439; July 19.
Curtain rod and window shade bracket, Adjustable. W. Vogun. 1,845,490; Feb. 16.
Curtain rod end. A. Dlouhy. Des. 86,443–6; Mar. 8.
Curtain rod threader. L. D. Houser. 1,875,462; Sept. 6.
Curtain rod threader, Collapsible. M. Manwaring. 1,851,713; Mar. 29.
Curtain rod threading device. M. Mitchell. 1,881,835; Oct. 11.
Curtain rod threading device. E. Yuengel. 1,887,110; Nov. 8.
Curtain rods, Attachment for. L. G. Handy. 1,841,805; Jan. 19.
Curtain roller. K. A. Benzee. 1,856,742; May 3.
Curtain roller. H. H. Hendrickson. 1,882,592; Oct. 11.
Curtain roller. A. K. Ygger. 1,885,400; Nov. 1.
Curtain roller end bracket. W. S. Hamm. Des. 88,229; Sept. 8.
Curtain, Sand blast. R. Ruemelin. Re18,586; Aug. 30.
Curtain support. W. C. Campbell. 1,883,545; Oct. 18.
Curtain supporting device. A. Ipri. 1,842,269; Jan. 19.
Curtain switch, Remote controlled. F. K. Snow. 1,862,041; June 7.
Curtain tie back or similar article. R. Grieser. Des. 88,535; Dec. 6.
Curtain wrapping machine. A. Richter. 1,859,051; May 17.
Curtains, Apparatus for stretching. I. M. Clark. 1,849,707; Mar. 15.
Curve plotting system. S. Isler. 1,857,959; May 10.

Curves. Device for platting and measuring. J. Aras. 1,887,391 ; Nov. 8.
Cushion. *See*—
Bolster cushion.
Drawing press hydraulic cushion.
Exercise and massage cushion.
Footwear cushion.
Heated cushion.
Hood cushion.
Horse collar cushion.
Seat cushion.
Spring cushion.
Cushion. B. Ostroff. 1,873,212 ; Aug. 23.
Cushion and frame, Spring. D. S. Barnard and W. Empacher. 1,853,031 ; Apr. 12.
Cushion and insulating strip for refrigerator doors, Rubber. F. C. Palenske. 1,888,358 ; Nov. 22.
Cushion and making the same, Wire spring. R. G. Marquardt. 1,876,429 ; Sept. 6.
Cushion construction. R. L. Swanson. 1,852,943 ; Apr. 5.
Cushion device for water closet bowls and the like. E. J. Dreisbach. 1,839,207 ; Jan. 5.
Cushion, Drawing press hydraulic. J. M. Hothersall. 1,884,700 ; Oct. 25.
Cushion filling machine. C. Hennell. 1,873,586 ; Aug. 23.
Cushion for goggles. L. E. Dickson. 1,850,538 ; Mar. 22.
Cushion for infants' toilets. M. F. Lonier. 1,846,217 ; Feb. 23.
Cushion for molding machines. W. Lewis. 1,869,818 ; Aug. 2.
Cushion for radio cabinets, Leveling. H. Phillips. Re18,647 ; Nov. 8.
Cushion for sheet metal presses. R. W. Glasner and F. J. Rode. 1,846,341 ; Mar. 8.
Cushion for sheet metal presses. F. J. Rode. 1,849,690 ; Mar. 15.
Cushion or insert for mattresses or the like consisting of spiral springs. A. Ehlenbeck. 1,868,279 ; July 19.
Cushion rebound check. L. H. Oberreich. 1,841,668 ; Jan. 19.
Cushion seat. L. Mann. 1,885,847 ; Nov. 1.
Cushion slide for furniture. W. F. Herold. 1,888,037 ; Nov. 15.
Cushion spring construction. A. C. Wisner. 1,842,439 ; Jan. 26.
Cushion structure. J. H. King and J. A. Allison. 1,887,310 ; Nov. 8.
Cushion wheel, Puncture proof. M. A. Robin. 1,870,142 ; Aug. 2.
Cushioning device. H. J. Koehly. 1,854,410 ; Apr. 19.
Cushioning device. D. F. Sproul. 1,883,048–9 ; Oct. 18.
Cushioning device for metal working machines. F. J. Rode. 1,848,383 ; Mar. 8.
Cushioning means. W. A. Gower. 1,839,875 ; Jan. 5.
Cushioning means for draft gears. H. D. Page. 1,845,902 ; Feb. 16.
Cushioning mechanism. D. S. Barrows. 1,866,341 ; July 5.
Cushioning mechanism. D. S. Barrows. 1,884,516–17 ; Oct. 25.
Cushioning mechanism. D. S. Barrows. 1,884,520 ; Oct. 25.
Cushioning mechanism. F. G. Suckow. 1,884,913 ; Oct. 25.
Cushioning securing attachment. F. H. Schubert. 1,875,766 ; Sept. 6.
Cuspidor for automobiles. J. H. Gault. 1,872,725 ; Aug. 23.
Cuspidor, Fountain. C. W. Moore. 1,839,246 ; Jan. 5.
Cuspidor, Fountain. C. W. Moore. 1,862,029 ; June 7.
Cuspidor. Sanitary. W. R. Schindler. 1,844,982 ; Feb. 16.
Custard, Strand, Frozen. C. and R. Turner. Des. 86,986 ; May 17.
Cutlery. F. Arnold. 1,843,535 ; Feb. 2.
Cutlery. E. J. Sorratin. 1,852,542 ; Apr. 5.
Cutlery polishing machine. J. Fusco. 1,878,840 ; Sept. 20.
Cut-off. Automatic gas. G. Ross-Watt. 1,850,646 ; Mar. 22.
Cut-off controlling mechanism for and method of operating locomotives. E. S. Pearce, R. W. Retterer, and E. C. Karibo. 1,868,024 ; July 19.
Cut-off coupling. Friction. G. H. Wood. 1,849,164 ; Mar. 15.
Cut-off device. L. F. Schrader and F. P. Hart. 1,843,373 ; Feb. 2.
Cut-off device for gas burners, Safety. A. Lundius and O. Dietrichson. 1,881,766 ; Oct. 11.
Cut-off for domestic gas burners, Thermostatic. J. A. Maloney. 1,872,040 ; Aug. 16.
Cut-off for gas burners, Automatic. A. H. Davis, jr. 1,858,988 ; May 17.
Cut-off for high speed cigarette machines. W. B. Bronander, P. M. Nejedly, and L. F. Thiel. 1,846,942 ; Feb. 23.
Cut-off mechanism. S. M. Langston. 1,892,213 ; Dec. 27.
Cut-off mechanism for glassware forming machines. R. G. Allen. 1,875,973 ; Sept. 6.
Cut-off mechanism for heading machines. C. T. Brennan. 1,857,997 ; May 10.
Cut-off, Oblique. R. E. Rundell. 1,888,774 ; Nov. 22.
Cut-off operating mechanism. S. M. Langston and K. Sieg. 1,840,962 ; Jan. 12.
Cut-off switch, Automatic. B. E. Mills. 1,889,786 ; Dec. 6.
Cut-out. F. C. Coseo. 1,852,697 ; Apr. 5.
Cut-out. F. C. Coseo. 1,852,699 ; Apr. 5.
Cut-out and the like, High tension. E. N. Nordhem. 1,871,194 ; Aug. 9.
Cut-out and the like, High-tension. E. N. Nordhem. 1,889,213 ; Nov. 29.
Cut-out, Automatic. J. J. Coughlin, jr. 1,882,275 ; Oct. 11.
Cut-out box. C. P. Shaw. 1,839,348 ; Jan. 5.
Cut-out, Expulsion. W. A. Heinrich. Des. 86,455 ; Mar. 8.
Cut-out, Expulsion. W. A. Heinrich. 1,877,311 ; Sept. 13.
Cut-out for series lamp. C. Severin and L. R. Peters. 1,857,165 ; May 10.
Cut-out, Fused. A. Herz. 1,853,209 ; Apr. 12.
Cut-out, Fused. A. Herz. 1,867,151 ; July 12.
Cut-out, Safety. D. N. Langhoffer and G. T. Howell. 1,874,767 ; Aug. 30.
Cut-out stitching machine. A. S. Lieb. 1,850,888 ; Mar. 22.
Cut-outs and the like, High tension. E. N. Nordham. 1,877,574 ; Sept. 13.
Cutter : *See*—
Adjustable cutter.
Bean vine cutter.
Butter chip cutter.
Butter cutter.
Casing cutter.
Cheese cutter.
Cigar cutter.
Cigarette cutter.
Clod cutter.
Corn stalk cutter.
Cotton chopping cutter.
Coupon cutter.
Cross cutter.
Disk cutter.
Dough cutter.
Drill cutter.
Expansion cutter.
Feed cutter.
Flying cutter.
Fruit and vegetable cutter.
Gear cutter.
Glass cutter.
Grass and weed cutter.
Grass cutter.
Hair cutter.
Hedge cutter.
Loop cutter.
Meat cutter.
Milling cutter.
One piece cutter.
Paper cutter.
Pipe cutter.
Plaster cast cutter.
Potato cutter.
Rotary cutter
Stalk cutter.
Stitch cutter.
String cutter.
Thread cutter.
Tube cutter.
Tuft cutter.
Vegetable cutter.
Vine cutter.
Weed cutter.
Cutter. S. C. Atkinson. 1,889,624 ; Nov. 29.
Cutter. J. P. Breuer. 1,847,054 ; Feb. 23.
Cutter. F. Czemba. 1,886,942 ; Nov. 8.
Cutter. M. E. Davis. 1,874,173 ; Aug. 30.
Cutter. W. S. Jones. 1,847,613 ; Mar. 1.
Cutter. W. C. Roe. 1,851,985 ; Apr. 5.
Cutter and clamp for knitting machines and operating same, Yarn. A. E. Page. 1,860,265 ; May 24.
Cutter and clamp for shuttles, Thread. O. V. Payne. 1,881,923 ; Oct. 11.
Cutter and cutter holder for taps. S. F. Newman. 1,874,586 ; Aug. 30.
Cutter and distributor, Hay. E. L. and A. W. Neumeister. 1,873,168 ; July 12.
Cutter and making same, Hobbing. O. G. Simmons. 1,873,158 ; Aug. 23.
Cutter and parer. R. E. Caverly. 1,841,239 ; Jan. 12.
Cutter and shearer, Brush, bramble, grass, vine, and corn. E. L. Yaw. 1,850,438 ; Mar. 22.
Cutter and threader, Combined pipe. J. J. Bouchard. 1,877,797 ; Sept. 20.
Cutter bar. T. Gray. 1,879,195 ; Sept. 27.
Cutter bar. L. A. Paradise. 1,869,981 ; Aug. 2.
Cutter bar for harvesters. R. C. Livesay. 1,856,488 ; May 3.
Cutter bars, Detachable mechanism for. C. Karl. 1,871,023 ; Aug. 9.
Cutter bearing structure. I. L. Chambers. 1,863,084 ; June 14.
Cutter bit, Combination rolling and scraping. R. W. Schlumpf. 1,879,127 ; Sept. 27.
Cutter blades, Grinding. P. W. Cummings. 1,853,667 ; Apr. 12.
Cutter box. E. H. Lewandowski. 1,881,731 ; Oct. 11.
Cutter box and making the same. G. H. Gardner. 1,855,854 ; Apr. 26.
Cutter drill, Combination rolling and scraping. F. L. Scott and I. H. Bettis. 1,874,066 ; Aug. 30.
Cutter for adhesive tapes. F. E. Ewing, F. J. Clunk, and N. M. Coats. 1,880,950 ; Oct. 4.
Cutter for cigarette machines. M. P. E. Hohn. 1,846,807 ; Feb. 23.
Cutter for doughnut formers. F. M. Roehl and P. J. Toews. 1,846,659 ; Feb. 23.
Cutter for earth boring drills. H. W. Fletcher. 1,856,627 ; May 3.
Cutter for eggs, vegetables, and the like. C. W. Stuart. 1,868,401 ; July 19.
Cutter for forming gin or linter saw teeth, Milling. R. H. Butters. 1,857,428 ; May 10.
Cutter for punch presses and the like, Scrap. G. H. Leland. 1,883,996 ; Oct. 25.
Cutter for rotary drills. C. W. Metzger. 1,860,587 ; May 31.
Cutter for shuttles, Thread. O. V. Payne. 1,881,921 ; Oct. 11.
Cutter for skiving machines. E. T. Smith. 1,876,775 ; Sept. 13.
Cutter for suction dredgers. A. W. Daniels. 1,840,025 ; Jan. 5.

Cutter for windshields, Ice. J. R. Lundberg. 1,864,208; June 21.
Cutter for woodworking machines. A. G. Buchan. 1,861,787; June 7.
Cutter grinding machine. J. Gstyr. 1,841,244; Jan. 12.
Cutter guard. B. F. Gravely. 1,876,220; Sept. 6.
Cutter head assembly for routing and other machine tools. G. Gorton. 1,889,653; Nov. 29.
Cutter head for phonograph recording. R. Head. 1,874,101; Aug. 30.
Cutter, Making a. P. D. Merrill. 1,866,315; July 5.
Cutter mechanism, Low slugging. C. W. Curle. 1,878,266; Sept. 20.
Cutter mounting for reamers. J. Grant. 1,839,787; Jan. 5.
Cutter or scraper for automobile windshields, Sleet. T. Z. Manuel. 1,846,885; Feb. 23.
Cutter pressed from sheet metal, Milling. K. R. Dienes. 1,844,566; Feb. 9.
Cutter reamer, Swinging. J. Grant. 1,844,355; Feb. 9.
Cutting and block forming machine for plastic substances. A. and G. Sharp. 1,887,046; Nov. 8.
Cutting and coating machine. F. L. Borchert. 1,869,090; July 26.
Cutting and creasing presses for paper, cardboard, or the like. J. I. Nasmith. 1,891,391; Dec. 20.
Cutting and duplicating machine, Code cylinder key. L. J. Caron. 1,886,641; Nov. 8.
Cutting and folding machine, Label. A. J. Briggs. 1,884,127; Apr. 12.
Cutting and folding mechanism for use with web printing machines. L. A. Schmidt. 1,850,217; Mar. 22.
Cutting and forming device. E. C. Pagel and H. C. Porter. 1,887,732; Nov. 15.
Cutting and forming machine. A. E. Borton. 1,883,513; Oct. 18.
Cutting and grinding apparatus. J. Holland-Letz. 1,868,983; July 26.
Cutting and grooving machine. E. B. Binford. 1,877,443; Sept. 13.
Cutting and loading machine. F. A. Lindgren. 1,881,744; Oct. 11.
Cutting and matting mechanism. A. W. Altvater. 1,848,863; Mar. 8.
Cutting and piercing apparatus. J. Q. Holmes. 1,853,048; Apr. 12.
Cutting apparatus for stone, coal, and the like. W. A. Ross. 1,857,403; May 10.
Cutting apparatus, Glass. J. L. Drake. 1,856,128; May 3.
Cutting assembly for hair clippers, Unitary. J. Oster. 1,888,688; Nov. 22.
Cutting attachment. O. Rietmann. 1,842,288; Jan. 19.
Cutting compound or lubricant. A. E. Dahlberg. 1,881,173; Oct. 4.
Cutting device. F. J. Faase. 1,841,099; Jan. 12.
Cutting device. J. Mieritz. 1,887,164; Nov. 8.
Cutting device. H. K. Schutz. 1,839,852; Jan. 5.
Cutting device. H. R. Schutz and H. E. Robinson. 1,872,508; Aug. 16.
Cutting device. S. R. Svendsgaard. 1,887,440; Nov. 8.
Cutting device. F. W. Temple. 1,884,377; Oct. 25.
Cutting device for cigarette strand machines. M. Berger. 1,852,397; Apr. 5.
Cutting device, Ice cream. H. A. Beilgard. 1,860,646; May 31.
Cutting device, Rotary. G. J. Bregman. 1,855,663; Apr. 26.
Cutting holes in tins and forming grooves around the openings, Appliance for. O. J. Malone. 1,855,978; Apr. 26.
Cutting implement. A. Gee. 1,876,218; Sept. 6.
Cutting implement. J. E. Poole. 1,858,170; May 10.
Cutting implement. M. Winkler. 1,863,424; June 14.
Cutting machine. E. A. Capocefalo. 1,856,154; May 3.
Cutting machine. F. C. Eastmen. 1,856,130; May 3.
Cutting machine. A. J. and L. F. Pausek. 1,862,845; June 14.
Cutting machine. C. B. Gray. 1,854,254; Apr. 19.
Cutting machine. C. B. Gray. 1,874,038; Aug. 30.
Cutting machine. G. K. McNeill. 1,871,334; Aug. 9.
Cutting machine. W. H. Sikma. 1,869,394; Aug. 2.
Cutting machine. M. Winkler. 1,847,990; Mar. 1.
Cutting machine, Bias strip. J. Drahar and W. B. Runk. 1,868,226; July 19.
Cutting machine for paper and the like. K. Stegmann. 1,852,726; Apr. 5.
Cutting machine, Mop strand. C. F. Smith. 1,850,853; Mar. 22.
Cutting machine, Pound or piece. F. B. Keogh. 1,855,189; Apr. 26.
Cutting means and making the same. L. E. Ridgeway and A. English. 1,866,602; July 12.
Cutting mechanism for cutting and folding machines. C. J. Beck. 1,862,460; June 7.
Cutting mechanism for printing machine folders. J. R. Tomlin. 1,868,125; July 19.
Cutting member and holder therefor. J. A. Klod. 1,869,218–19; July 26.
Cutting, mixing and attrition mill, Rotary. R. C. Hopkins. 1,873,409; Aug. 23.
Cutting shear. G. J. Unger. 1,843,655; Feb. 2.
Cuticle point, Manicuring. H. J. Stevenson and M. Kessler. 1,849,697; Mar. 15.
Cyaniding furnace. E. F. Davis. 1,848,058; Mar. 1.
Cyanids, Producing. E. J. Franke. 1,852,856; Apr. 5.
Cyanogen chloride and substituted guanidines, Production of. G. C. Bailey. 1,884,509; Oct. 25.
Cyanogen compounds, Organic cuprid. F. W. Stauf and H. Hagenest. 1,850,516; Oct. 4.
Cycle construction and packing. H. L. Kraeft. 1,863,859; June 21.
Cycle control system. B. P. Fonda. 1,892,428; Dec. 27.
Cycle propelling apparatus. G. A. Roberts. 1,846,224; Feb. 23.
Cycle propelling mechanism. G. A. Roberts. 1,845,192; Feb. 16.
Cycle, Towable. A. L. Hess. Re18,428; Apr. 19.
Cycles, Two-bar for. A. L. Hess. 1,887,202; Nov. 8.
Cyclic limit mechanism. F. A. Herbert. 1,877,314; Sept. 13.
Cyclohexylphenols, Manufacture of. E. C. Britton and R. P. Perkins. 1,862,075; June 7.
Cycloketones, polycycloketones, and quinones and preparing them. G. Kränzlein and H. Vollmann. 1,874,547; Aug. 30.
Cylinder, Adjustable folding. H. C. Jordhoy. 1,865,696; July 5.
Cylinder and piston, Power. W. C. Hagan. 1,846,104; Feb. 23.
Cylinder and securing sheets thereto, Printing and other. G. T. Baldwin. 1,860,765; May 31.
Cylinder and system for use of solid CO_2, Carbonating. W. T. Comer. 1,861,817; July 5.
Cylinder block construction. A. Gadoux. 1,891,638; Dec. 20.
Cylinder cock and the like. H. A. Hoke. 1,868,635; July 26.
Cylinder construction. O. Nonnenbruca. 1,885,755; Nov. 1.
Cylinder construction for internal combustion engines, Inner. R. L. Skinner. 1,871,242; Aug. 9.
Cylinder, Construction, Ported. R. Chilton. 1,874,446; Aug. 30.
Cylinder, Cotton threshing. J. E. Mitchell. 1,887,562; Nov. 15.
Cylinder, Drying. E. C. Greisen. 1,883,722; Oct. 18.
Cylinder drying machine. H. P. Fell. 1,873,833; Aug. 23.
Cylinder, Fabricated water heating. H. S. Woodruff. 1,849,815; Mar. 15.
Cylinder for cotton gins or the like. C. B. P. Carver. 1,857,205; Sept. 6.
Cylinder for intaglio printing machines, Printing. A. Gutmann. 1,881,075; Oct. 4.
Cylinder for internal combustion engines. G. D. Angle. 1,867,795; July 19.
Cylinder for internal combustion engines. H. Junkers. 1,887,277; Dec. 27.
Cylinder for internal combustion engines. A. B. Raymond. 1,862,970; June 14.
Cylinder for internal combustion engines, Air cooled. F. G. Hehr. 1,849,086; Mar. 15.
Cylinder for use in cotton cleaning machines. J. E. and O. Mitchell. 1,851,519; Mar. 29.
Cylinder for washing machines and the like. T. J. Power. 1,870,925; Aug. 9
Cylinder forming machine. J. F. L. Baker. 1,852,101; Apr. 5.
Cylinder, Gas storage. F. W. Hogan and H. M. Bullock. 1,852,348; Apr. 5.
Cylinder gauge. R. J. O. Simpson. 1,847,906; Mar. 1.
Cylinder gauge. J. G. Sisson. 1,852,760; Apr. 5.
Cylinder grinding and honing machine. L. J. and J. J. Doerr. 1,890,675; Dec. 13.
Cylinder head, Flame control. F. Burlington. 1,854,979; Apr. 19.
Cylinder head for internal combustion engines. C. Schaer. 1,857,744; May 10.
Cylinder hone. C. T. Rottler. 1,873,330; Aug. 23.
Cylinder, Jacquard pattern. E. H. Holmes. 1,852,082; Apr. 5.
Cylinder lap. A. J. Brickner. 1,852,834; Apr. 5.
Cylinder laundry machine. J. N. White. 1,889,008; Nov. 29.
Cylinder liners, Packing. A. Büchi. 1,860,769; May 31.
Cylinder lock. A. G. Frook. 1,855,607; Apr. 26.
Cylinder lock. A. Main. 1,886,822; Nov. 8.
Cylinder lock. C. Rubsamen. 1,851,986; Apr. 5.
Cylinder lock. W. A. Thun. 1,883,326; Oct. 18.
Cylinder mounting for printing presses. E. Erickson. 1,891,405; Dec. 20.
Cylinder paper machine. E. A. Peterson and W. J. Dennis. 1,856,081; May 3.
Cylinder, Plate carrying. H. A. W. Wood. 1,873,233; Aug. 23.
Cylinder Press. C. A. Meisel and J. P. E. Neilson. 1,858,305; May 17.
Cylinder, Printing. S. J. Mollet. 1,867,861; July 19.
Cylinder printing press. A. Büttner. 1,871,888; Aug. 16.
Cylinder, Rotary printing. H. Burkholdt. 1,856,181; May 3.
Cylinder structures, Manufacturing. H. T. Herr. 1,853,562; Apr. 12.
Cylinder, Threshing. C. A. Stevens. 1,853,784; Apr. 12.
Cylinder, Turbine. P. Hodgkinson. 1,859,849; Jan. 5.
Cylinder, Washing machine. J. H. Skitt. 1,844,609; Feb. 9.

Cylinders and cones, Lapping. W. E. Hoke. 1,843,979; Feb. 9.
Cylinders and pistons, Preventing scuffing of. W. A. Frederick and A. J. Meyer. 1,874,489; Aug. 30.
Cylinders, Apparatus for driving hollow. F. A. Schroeder and H. R. Smith. 1,875,826; Sept. 6.
Cylinders, Draining gas. G. M. Deming. 1,841,325; Jan. 12.
Cylinders, Electroplating metallic. E. S. Ballard. 1,884,512; Oct. 25.
Cylinders of internal combustion engines, Air cooling of the. G. Cattaneo. 1,843,801; Feb. 2.
Cylinders of internal combustion engines, Treatment of. K. Kodama. 1,848,831; Mar. 8.
Cylinders of rotary printing machines, Locking stereo plates or printing surfaces to the. M. L. Wilkinson and R. Brayshaw. 1,876,378; Sept. 6.
Cylinders, Repairing engine. H. J. Yount. Re18,644; Nov. 1.
Cylinders, Repairing engine. H. J. Yount. 1,842,441; Jan. 26.
Cylindrical structure. V. F. Hammel. 1,842,547; Jan. 26.
Cylindrical surfaces, Apparatus for grinding. M. C. Hutto. 1,840,720; Jan. 12.
D-handle. W. A. Ready. 1,844,681; Feb. 9.
D-handle. W. A. Ready. 1,877,199–200; Sept. 13.
D-handle. J. H. Wily. 1,853,187; Apr. 12.
D-handle for shoveis and the like. W. A. Ready. 1,869,777; Aug. 2.
D-handles for shovels and the like, Making. W. A. Ready. 1,842,948–9; Jan. 26.
Dahlia. A. Broomhall. Pl. Pt. 36; Oct. 18.
Dahlia. H. L. Ickes. Pl. Pt. 19; July 19.
Dairy apparatus. C. E. Carter. 1,849,134; Mar. 15.
Dairy equipment. C. D. Marshall, Jr. 1,863,603; June 21.
Dam. E. H. Burroughs. 1,853,545; Apr. 12.
Dam. E. H. Burroughs. 1,864,976; June 28.
Dam. C. V. Davis. 1,846,883–9; Feb. 23.
Dam. C. V. Davis. 1,853,668; Apr. 12.
Dam. A. V. Karpov. 1,885,057; Oct. 25.
Dam. F. A. Noetzli. 1,852,431; Apr. 5.
Dam. S. W. Stewart. 1,840,540; Jan. 12.
Dam. S. W. Stewart. 1,846,840; Feb. 23.
Dam. C. Trumpy. 1,843,405; Feb. 2.
Dam. R. H. Tule. 1,879,836; Sept. 27.
Dam and constructing the same. F. A. Noetzli. 1,843,430; Sept. 27.
Dam and constructing the same. F. A. Noetzli. 1,885,470; Nov. 1.
Dam, Buttress type. F. A. Noetzli. 1,863,205; June 14.
Dam construction. R. R. Lun. 1,841,747; Jan. 19.
Dam construction. F. A. Noetzli. 1,860,589; May 31.
Dam, Construction of a reinforced concrete. H. Sorensen. 1,854,787; Apr. 19.
Dam, Multiple arch. R. W. Van Norden. 1,867,119; July 12.
Dams, Constructing. F. A. Noetzli. 1,860,590; May 31.
Dampener. C. Breer. 1,840,080; Jan. 5.
Dampening means for pressing machines. P. N. Braun. 1,876,602; Sept. 13.
Damper. G. Hartland. 1,862,084; June 7.
Damper. L. C. Lancaster. 1,891,600; Dec. 20.
Damper adjusting attachment for oil burners. B. R. Grace. 1,846,717; Feb. 23.
Damper apparatus. A. G. Fletcher. 1,875,581; Sept. 6.
Damper apparatus. H. Rosenberg. 1,885,548; Nov. 1.
Damper assembly, Heat resisting. F. A. Fahrenwald. 1,872,434; Aug. 16.
Damper, Automatic stack. J. E. Ludwig. 1,862,262; June 7.
Damper control. H. W. Jockers. 1,841,128; Jan. 12.
Damper control. H. Wessels. 1,884,987; Oct. 25.
Damper control for heating furnaces. L. M. Persons. 1,865,641; July 5.
Damper control for house heating systems. James R. Williams. 1,839,630; Jan. 5.
Damper control means for furnaces. H. Meachem. 1,873,656; Aug. 23.
Damper control mechanism. C. H. Anderson. 1,872,213; Aug. 16.
Damper, Dome. J. B. Meyer. 1,888,999; Nov. 29.
Damper for fireplace. N. E. Barrows. 1,852,436; June 7.
Damper for brooder stoves, Check valve. R. O. Pence. 1,845,337; Feb. 16.
Damper for gyro compasses. H. H. Thompson. 1,854,870; Apr. 19.
Damper for heating and ventilating units, Double. W. Ewald and P. P. Henshall. 1,885,243; Nov. 1.
Damper for open hearth flues, sliding. J. P. McLimans. 1,849,022; Mar. 8.
Damper mechanism. F. W. Hvoslef. 1,854,549; Apr. 19.
Damper, Motor suspension spring rebound. W. H. Hansford. 1,890,987; Dec. 13.
Damper regulator. G. A. Kohout. 1,875,616; Sept. 6.
Damper, Thermostatic. A. H. Miller and C. D. Bachelor. 1,847,723; Mar. 1.
Damper, Steering. W. S. Harley. 1,850,348; Mar. 22.
Damper, Vibration. B. Bugatti. 1,860,771; May 31.
Damper, Vibration. G. F. Gibson. 1,872,136; Aug. 16.
Damper, Vibration. M. P. Graham and G. H. Hufferd. 1,881,504; Oct. 11.
Damper, Vibration. W. W. Harris. 1,874,515; Aug. 30.
Damper, Vibration. R. K. Lee. 1,872,763; Aug. 23.
Damper, Vibration. P. E. Matthews. 1,842,039; Jan. 19.
Damper, Vibration. H. T. Thomas. 1,844,991; Feb. 16.
Damper windings for synchronous converters. L. Dreyfus. 1,842,588; Jan. 26.
Damping device. W. R. Griswold. 1,882,280; Oct. 11.
Damping device. H. B. Nielsen. 1,855,585; Apr. 26.
Damping means for gear wheels. R. E. Peterson. 1,852,538; Apr. 5.
Damping means for gear wheels. R. E. Peterson. 1,852,789; Apr. 5.
Damping roll for presses. C. O. and H. E. Reeps. 1,873,824; Sept. 6.
Dancing apparatus, Inverted. J. L. Brierley and R. H. Lankton. 1,859,615; May 24.
Dandelion and buckhorn headers. C. K. Salisbury. 1,888,638; Nov. 22.
Dandelion digger. D. Allenson. 1,881,112; Oct. 4.
Darning mechanism. A. E. Gibbes. 1,888,917; Nov. 22.
Dashpot controlled mechanism. L. C. Bradley. 1,853,956; Apr. 12.
Dashpot for scales. L. O. Kelley. 1,890,580; Dec. 13.
Dashpot for weighing scales. M. Hallead and T. B. Flanagan. 1,861,270; May 31.
Dashpot for weighing scales. L. S. Williams. 1,864,787; June 28.
Data, Apparatus for computing statistical. C. Borel. 1,863,098; June 14.
Data from perforated records, Apparatus for transferring. R. Lorant. 1,839,402; Jan. 5.
Data recording and displaying device. G. L. Hinman. 1,841,950; Jan. 19.
Date. J. B. Segur and K. Hoover. 1,853,152; Apr. 12.
Date indicating or registering apparatus. N. O. Willinder. 1,866,071; July 5.
Dating machine, Automatic. E. P. Huntzicker. 1,850,880; Mar. 22.
Dauber. A. L. Aste. 1,867,437; July 12.
Davenport. J. Gombar. Re18,636; Oct. 25.
Davenport or bed, Folding. W. J. Duvall. 1,858,542; May 17.
Davenport or similar article. O. A. Anderson. Des. 85,904; Jan. 5.
Davenport or similar article. O. A. Anderson. Des. 86,070–4; Jan. 26.
Davenport or similar article. O. A. Anderson. Des. 86,100; Jan. 26.
Davenport or similar article. O. A. Anderson. Des. 86,695; Mar. 22.
Davenport or similar article. O. A. Anderson. Des. 86,819–23; Apr. 26.
Davit mechanism. G. W. P. Overman. 1,841,979; Jan. 19.
Daylight developing apparatus. G. A. Magnus. 1,884,781; Oct. 25.
Days between any two given dates, Device for ascertaining the number of. A. Schmid. 1,862,435; June 7.
Dead end clamp. R. L. Jenner. 1,858,549; May 17.
Decanting, Method of and apparatus for. J. R. McDermet. 1,857,650; May 10.
Decanting water heater. P. S. Lyon. 1,877,412; Sept. 13.
Debarking machine. A. M. Kirkwood. 1,855,577; Apr. 26.
Decalcomania. P. W. Marshburn. 1,889,484; Nov. 29.
Decalcomania transfer. C. R. Powers and L. M. Koubek. Des. 88,671; Dec. 13.
Decantation apparatus. H. S. Coe. 1,870,441; Aug. 9.
Decanter or similar article. W. C. McCartney. Des. 87,246; Sept. 27.
Decarbonizing apparatus. E. W. Davis. 1,858,392; May 17.
Decimal equivalent selector mechanism. G. C. Chase. 1,878,757; Sept. 20.
Deck and inserting device, Half speed. I. Tornberg and H. C. Jordhoy. 1,857,221; May 10.
Deck, Floating. J. F. Kimbell. 1,840,587; Jan. 12.
Deck, Floating. A. G. Speegle. 1,879,572; Sept. 27.
Deck for automobiles, Loading. S. Hice. 1,889,736; Nov. 29.
Deck for oil storage tanks, Floating. L. J. Oswald. 1,890,189; Dec. 6.
Deck plate. R. C. Mahon. 1,862,227; June 7.
Deck, Shipping. C. L. Snyder. 1,880,989; Oct. 4.
Decking for excavations. J. B. Goldsborough. 1,876,496; Sept. 6.
Deck, Stabilized floating. C. H. Haupt. 1,888,079; Nov. 15.
Decking structure. E. S. Evans. 1,869,054; July 26.
Decking structure. C. L. Snyder. 1,892,589; Dec. 27.
De-clutching mechanism. W. Gilmore. 1,879,184; Sept. 27.
Decomposer, particularly for the electrolysis of water under pressure. H. Niederreither. 1,865,946; July 5.
Decomposition product of urea as or in fertilizers. O. Ripke. 1,870,346; Aug. 9.
Deconcentrator. C. G. Hawley. 1,878,848; Sept. 20.
Decorating machine. J. N. Fountain. 1,879,608; Sept. 27.
Decoration, Surface. J. C. McCarthy. 1,872,997; Aug. 23.
Decorations, Applying. G. R. Ensminger. 1,872,131; Aug. 16.
Decorative fabric. W. H. Lees. 1,849,747; Mar. 15.
Decorative treatment of textile fabrics. J. D. Webster. 1,854,321; Apr. 19.
Decorative outlining. W. A. Vogel. 1,867,900; July 19.
Decoy. G. L. Horton. 1,875,733; Sept. 6.

Decoy unit. R. D. Read, 1,881,328; Oct. 4.
Deep hole drill, Vertical. H. R. Krueger. 1,846,211; Feb. 23.
Defiberizing machine. E. P. Corcoran and W. B. Hadley. 1,881,398; Oct. 4.
Defiberizing machine. E. P. Corcoran and W. B. Hadley. 1,886,871; Nov. 8.
Defiberizing machine. W. G. Hagmaier and E. C. Shaw. 1,887,728; Nov. 15.
Deflection or deviation indicator. J. P. Brown. 1,860,230; May 24.
Deflector for automobile heaters, Adjustable. Q. G. Noblitt and E. C. Booth. 1,872,794; Aug. 23.
Deflector for automobile heaters. H. W. Fink. 1,892,506; Dec. 27.
Deflector for gas stoves. P. A. Hentschel. 1,877,240; Sept. 13.
Deflector for gas stoves and the like. P. A. Hentschel. 1,855,050; Apr. 19.
Deflector for heaters. H. W. Fink. 1,879,152; Sept. 27.
Deflector, Slidable wind. A. F. Robinson. 1,839,704; Jan. 5.
Deformation stabilizing especially for pistons. O. H. Reeder and D. Sandford. 1,845,765; Feb. 16.
Defroster. E. C. Raney. 1,867,711; July 19.
Defrosting device for refrigerating cases. C. V. Hill. 1,890,085; Dec. 6.
Debairing machine. F. R. Newman. 1,855,361; Apr. 26.
Dehydrator. W. D. Mount. 1,868,755; July 26.
Dehydrator. F. G. Slack. 1,839,330; Jan. 5.
Dehydrator, Air. H. B. Hartman. 1,863,656; June 21.
Dehydrator for preservation of human bodies after death. H. Strongfield. 1,878,649; Sept. 20.
Dehydrogenation process for making esters. C. H. Greenewait. 1,858,823; May 17.
De-icer for aeroplanes and the like. W. C. Geer. 1,890,286; Dec. 6.
Deinking apparatus. G. Hammond. 1,846,683; Feb. 23.
Delinting machine for cotton seed and process. C. E. Power. 1,872,002; Aug. 16.
Delivering measured quantities of powdered or granular substances, Apparatus for. R. Wegmann and A. Rymann. 1,846,775; Feb. 23.
Delivering mechanism for eyeleting and similar machines. Sperry. 1,850,032; Mar. 15.
Delivery and collecting system. A. E. Davis. 1,859,865; May 24.
Delivery and loading means for bakery products or the like. C. Brykczynski and J. Chmuzynski. 1,882,238; Oct. 11.
Delivery, or packing apparatus for printing presses. A. Terrey. 1,856,978; May 3.
Delivery apparatus for stacking cards or the like in counted batches. A. Bingham. 1,860,223; May 24.
Delivery bed, Adjustable. A. M. Bay. 1,858,179; May 10.
Delivery device. H. Lange. 1,889,557; Nov. 29.
Delivery device for vending machines, Rockable. G. P. Grant. 1,883,712; Oct. 18.
Delivery mechanism. M. A. Droitcour. 1,873,316; Aug. 23.
Delivery mechanism, Automatic. P. Naeher. 1,868,844; July 26.
Delivery mechanism for article dispensing machines. L. H. Green and C. W. Nixon. 1,889,318; Nov. 29.
Delivery mechanism for carton sealing machines. G. A. Robinson. 1,840,410; Jan. 12.
Delivery mechanism for continuous picklers and the like. Kronberg and C. Hurah. 1,854,551; Apr. 19.
Delivery mechanism for paper rolls in paper making machines. C. W. Valentine and A. F. Helin. 1,851,605; Mar. 29.
Delivery stripper finger. B. F. Upham. 1,884,397; Oct. 25.
Demand meter. W. H. Pratt. 1,863,414; June 14.
Demodulator and method of demodulation. S. Ballantine and L. M. Hull. Re18,579; Aug. 23.
Demonstrating device. F. J. Foley. 1,848,043; Mar. 8.
Demonstration set. S. S. Cook. 1,845,240; Feb. 16.
Demountable chair. L. C. Phenix. 1,848,656; Mar. 8.
Demountable wheel. G. B. Reed. 1,879,492; Sept. 27.
Demountable wheel. J. H. Wagenhorst. 1,846,236; Feb. 23.
Density demonstrating apparatus. P. E. Klopsteg. 1,891,049; Dec. 13.
Density measuring apparatus. W. H. Stephens and J. H. Gribbin, jr. 1,888,577; Nov. 22.
Dental anaesthetia. Producing. C. H. Dannequin. 1,874,917; Aug. 30.
Dental anchorage. S. Myerson. 1,884,128; Oct. 25.
Dental apparatus. A. F. Pieper. 1,858,056; May 10.
Dental apparatus. C. Schwartz. 1,857,289; May 10.
Dental apparatus, Unitary. O. H. and A. F. Pieper. 1,840,636; Jan. 12.
Dental appliance. C. J. Stein. 1,861,645; June 7.
Dental appliance, Combination. S. Abraham. 1,868,653; July 26.
Dental articulator. R. O. Perkins, sr. 1,848,267; Mar. 8.
Dental bite apparatus. G. E. Rizer and H. F. Stempel. 1,855,118; Apr. 19.
Dental bridge investment support. W. C. Gosse. 1,857,538; May 10.
Dental bridgework, Arch spring vertically split removable. J. Yirikian. 1,841,870; Jan. 19.
Dental bridgework attachment device. J. L. Shapiro. 1,863,230; June 14.
Dental casting apparatus. M. S. Shapiro. 1,846,913; Feb. 23.
Dental casting machine. W. G. E. Harvey. 1,868,797; July 26.
Dental chair. P. Russell. 1,887,328; Nov. 8.
Dental crown coated on the front with enamel, made of noble metal or noble metal material, and its production. R. Hejcmann. 1,892,490; Dec. 27.
Dental crown retainer. O. A. Fladstad and R. G. Lee. 1,858,080–1; May 10.
Dental device. S. Silverberg. 1,872,832; Aug. 23.
Dental film mount. C. T. Hutchinson. 1,840,719; Jan. 12.
Dental flask. H. H. Hazeltine. 1,875,596; Sept. 6.
Dental flask. W. F. Rodin and A. Hural. 1,875,660; Sept. 6.
Dental furnace. N. Thompson. 1,869,831; Aug. 2.
Dental gauge. G. Haber. 1,855,573; Apr. 26.
Dental guard. A. C. Muller. 1,875,108; Aug. 30.
Dental handpiece, Angle. P. R. Skinner. 1,853,089; Apr. 12.
Dental hand-piece guard. D. Reiter. 1,841,915; Jan. 19.
Dental impression device. J. M. Craigo. 1,886,872; Nov. 8.
Dental impression device. N. Meurer. 1,891,649; Dec. 20.
Dental impression wax composition. A. C. Antonucci. 1,889,622; Nov. 29.
Dental instrument, Heated. O. H. Pieper. 1,850,851; Mar. 22.
Dental matrix retainer. R. R. Impey and R. Whipple. 1,857,910; May 10.
Dental operative instrument. C. C. Hallowell. 1,844,913; Feb. 9.
Dental plastic composition. W. S. Crowell. 1,863,591; June 21.
Dental plate. L. Valbuena. 1,887,970; Nov. 15.
Dental polisher. R. R. Priest. 1,889,494; Nov. 29.
Dental prophylactic oscillator. W. D. White. 1,880,617; Oct. 4.
Dental spray. O. H. Piefer. 1,857,866; May 10.
Dental swaging press. S. J. Krivig. 1,883,968; Oct. 25.
Dental unit. A. F. Pieper. Re18,460; May 10.
Dental unit. P. Russell, Schramm and Woodward, jr. Re18,416; Apr. 12.
Dental vulcanizer. E. L. Langdon. 1,873,876; Sept. 6.
Dental wax cutting and adapting instrument. A. E. Peck. 1,857,396; May 10.
Dental X-ray tube. C. T. Ulrey. 1,872,335; Aug. 16.
Dentifrice. R. Pasternack. 1,861,189; May 31.
Denture and manufacture thereof, Artificial. I. J. Dresch. 1,862,336; June 7.
Denture press. B. Underdahl. 1,871,137; Aug. 9.
Denture press and vulcanizer, Combination. W. M. Post. 1,843,173; Feb. 2.
Deodorant and cleansing powder. W. F. Nutt. 1865,948; July 5.
Deodorant and moth-preventative. A. L. Saeks. 1,886,429; Nov. 8.
Deodorant burner. T. F. Powell. 1,849,203; Mar. 15.
Deodorizing apparatus. L. W. Hughes and W. H. von Hacht. 1,866,164; July 5.
Deodorizing device. C. D. Holmes and H. W. Gamel. 1,886,680; Nov. 8.
Dephlegmation, Apparatus for. N. S. Olsen 1,844,477; Feb. 9.
Dephlegmation, Method and apparatus for. L. C. Huff. 1,886,957; Nov. 8.
Depilatory. J. B. Miles. 1,858,104; May 10.
Depilatory apparatus. S. Rosenberg. 1,853,638; Apr. 12.
Depolarizers for galvanic cells. Manufacture of. N. Ahlmann. 1,840,296; Jan. 12.
Depositories, Making. A. J. Briggs. 1,884,554; Oct. 25.
Deposits from aqueous dispersions of rubber and rubber-like substances, Production of. M. Forrer. 1,878,483; Sept. 20.
Depositing machine for dough, semifluid, pasty, or like materials. R. M. Chambers. 1,857,621–2; May 10.
Depository. F. J. Jendrek. 1,852,053; Apr. 5.
Depository device. S. P. Yee. 1,853,485–6; Apr. 12.
Depth gauge. E. Ostlind. 1,854,346; Apr. 19.
Depth indicator. P. B Hart. 1,870,362; Aug. 9.
Depth indicator and inclinometer. S. V. Hite. 1,890,607; Dec. 13.
Depth testing and indicating device. E. A. Rockwell. 1,870,652; Aug. 9.
Derivative of hydrocarbons and preparation thereof, Tertiary. H. S. Davis. 1,879,660; Sept. 27.
Derivatives of amino-naphthol sulphonic acids. G. Kalischer. 1,891,577; Dec. 20.
Derivatives of celluiose compositions of low inflammability containing cinnamic acid dibromide. C. Dreyfus and J. Scheidegger. 1,884,619; Oct. 25.
Derivatives of diarylethers, Making. E. F. Grether. 1,877,301; Sept. 13.
Derivatives of naphthalene, Production of. A. Luettringhaus, H. Nereshcimer, and W. Schneider. 1,891,168; Dec. 13.
Derivatives of naphthazarine and preparing them. G. Kranzlein, and R. Wolde. 1,892,310; Dec. 27.
Derivatives of 1,2,7,8-diphthaloylcarbazole, New. F. Baumann. 1,885,172; Nov. 1.

Derivatives of ortho-hydroxy-carboxy-diphenyl sulphides and preparing same, Amino and nitro. K. H. Saunders and M. Mendoza. 1,841,636; Jan. 19.
Derivatives of pyrantdrone, Production of highly halogenated. M. A. Kunz and K. Koeberle. 1,870,975; Sept. 13.
Dermal cover preparation. L. O'Leary. 1,877,952; Sept. 20.
Derrick, Automobile truck. W. S. Howard. 1,869,747; Aug. 2.
Derrick construction. P. Chapman. 1,856,907; May 3.
Derrick finger attachment. F. Hammerson. 1,856,833; May 3.
Derrick having fluid load-equalizing means. L. A. Rawson. 1,871,132; Aug. 9.
Derrick, Oil. H. Stoner. 1,887,965; Nov. 15.
Derrick leg coupling. F. D. Bearly. 1,880,231; Oct. 4.
Derrick, Marine oil well. C. L. Roberts. 1,867,030; July 12.
Derrick, Oil well. L. A. Rawson. 1,841,671; Jan. 19.
Design forming apparatus for woven fabrics and the like. J. Hofmann. 1,845,547; Nov. 8.
Designing frame. A. C. Comins. 1,889,976; Dec. 6.
Designs and patterns, Producing. F. D. Taylor. 1,868,846; Nov. 8.
Designs, Device for making. M. J. Hoferer. 1,878,633; Sept. 20.
Designs in surfaces, Forming. T. Jellow and A. Di Bona. 1,869,695; Aug. 2.
Designs in the sky, Forming. W. Reed, jr. 1,850,635; Mar. 22.
Designs on paper, Marking and producing. O. Kress. 1,887,934; Nov. 15.
Designs on textiles, Apparatus for and method of applying. W. J. Kunedt. 1,839,397; Jan. 5.
Designs, Representing. C. G. Zirnkilton. 1,880,652; Oct. 4.
Designs to papers and the like, Method of and apparatus for applying. C. M. Bryan. 1,883,526; Oct. 18.
Designs, Tracing. W. R. Mantell. 1,850,760; Mar. 22.
Desk. A. Cutter. Des. 86,998; May 24.
Desk. J. P. Hameetman. 1,864,243; June 21.
Desk. J. R. McCargar. Des. 85,948; Jan. 5.
Desk. M. Miller. 1,870,854; Sept. 27.
Desk. C. B. Ulrich. 1,888,766; Nov. 8.
Desk. C. B. Ulrich. 1,892,415; Dec. 27.
Desk. G. White. Des. 87,697; Aug. 30.
Desk adjunct. B. C. Hamm. 1,883,785; Oct. 18.
Desk and bookcase, Combination reading. J. S. Irwin. 1,870,681; Aug. 9.
Desk and chair, Folding. S. M. Swensson. 1,856,977; May 3.
Desk and invalid's table, Combined. F. P. Barbour. 1,839,291; Jan. 5.
Desk and seat arrangement, Adjustable. V. R. Menon. 1,858,103; May 17.
Desk and seat, Combined G. H. Abbott. 1,883,322; Oct. 18.
Desk and seat, Combined. G. H. Abbott. 1,884,497; Oct. 25.
Desk attachment. J. A. Fitch and E. A. Purnell. 1,848,612; Mar. 8.
Desk calendar stand. B. M. Morris. 1,885,129; Nov. 1.
Desk construction. B. E. Richardson. 1,866,174; July 5.
Desk construction, Metal. D. E. Hunter. 1,873,932–3; Aug. 23.
Desk construction for dictaphone machines. G. T. Gourley and E. A. Purnell. 1,844,572; Feb. 9.
Desk construction, Wood. B. E. Richardson. 1,889,811; Dec. 6.
Desk, Foldable. M. Kasparian. 1,885,835; Nov. 1.
Desk lock. C. Turner. 1,847,106; Mar. 1.
Desk or analogous article of furniture. R. W. Ericson. Des. 86,951; May 17.
Desk or table top, Detachable. E. E. Ash. 1,852,342; Apr. 5.
Desk pad, Pyraline. C. J. Gutberlet. 1,856,160; May 3.
Desk, Portable. G. Gray. 1,883,714; Oct. 18.
Desk, Reading. K. Otsuki. 1,849,990; Mar. 15.
Desk, School. T. P. Geiger. 1,888,263; Nov. 22.
Desk set. A. Gibson. 1,886,091; Nov. 1.
Desk set. W. Guyot. 1,892,509; Dec. 27.
Desk set. B. W. Hanle. 1,859,870; May 24.
Desk set. S. A. Neidich. 1,884,130; Oct. 25.
Desk set for fountain pens. A. I. Ferrier. 1,892,523; Dec. 27.
Desk set, Fountain pen. W. R. Cuthbert. 1,860,853; May 31.
Desk set, Fountain pen. A. I. Ferrier. 1,892,524; Dec. 27.
Desk set structure. I. D. Tefft. 1,892,181; Dec. 27.
Desk stand. D. V. Bowen. Des. 86,077; Jan. 26.
Desk stand. R. F. Branch. Des. 86,825; Apr. 26.
Desk stand. E. C. Walter. 1,883,138; Oct. 18.
Desk stand for a hand telephone. C. R. Lum. Des. 88,804; Dec. 27.
Desk stand, Fountain pen holder. A. E. Thomas. Des. 86,870; Apr. 26.
Desk stand, Telephone. H. F. Obergfell. Des. 86,263; Feb. 16.
Desk stapling machine. R. E. Peterson. 1,852,060; Apr. 5.
Desk structure. O. G. Henderson. 1,851,906; Mar. 29.
Desk top. R. K. Merrill. 1,840,274; Jan. 5.
Desk, Typewriter. C. B. Ulrich. 1,892,414; Dec. 27.
Desuperheater. W. H. Armacost. 1,889,739; Dec. 6.
Desuperheater. S. M. Jorgensen. 1,869,967; Aug. 2.
Detachable carrier. E. L. Longaker. 1,857,398; May 10.
Detachable handle. L. N. Ockden. 1,854,379; Apr. 19.
Detachable handle. R. S. Oehler. 1,848,649; Mar. 8.
Detachable plait hook. A. Richter. 1,863,638; June 21.
Detecting device for cigarette turning machines. M. P. E. Hohn. 1,886,016; Nov. 1.
Detector: *See*—
Air leak detector.
Flow detector.
Ground detector.
High frequency detector.
Mass movement detector.
Moisture detector.
Rail flaw detector.
Sheet detector.
Thin place detector.
Tire scuff detector.
Vibration detector.
Detector and bobbin therefor, Weft. O. V. Payne. 1,873,468; Aug. 23.
Detector for bulged end cans. W. W. Wadsworth. 1,866,957; July 12.
Detector for modulated alternating currents. P. G. Weiller. 1,878,046; Sept. 20.
Detector having delayed action, Electrical weft. O. V. Payne. 1,852,059; Apr. 5.
Detector mechanism. A. J. Sprague. 1,868,546; July 26.
Detergent. K. Daimler. 1,843,316; Feb. 2.
Detergent. H. L. Gray. 1,881,506; Oct. 11.
Detergent. C. R. Hinchman. 1,889,658; Nov. 29.
Detergent. W. S. Oppenheimer. 1,885,133; Nov. 1.
Detergent. L. I. Shaw. 1,855,872; Apr. 26.
Detergent and forming same. W. K. Speer. 1,855,776; Apr. 26.
Detergent and water softening product. W. A. Gale and C. F. Ritchie. 1,870,804; Aug. 9.
Detergent composition. A. G. Glover. 1,873,383; Aug. 23.
Detergent composition. E. S. Stoddard. 1,854,235; Apr. 19.
Detergent composition and making the same. L. T. Bussler. 1,861,685; June 7.
Detergent material and making the same. C. M. Fehr. 1,870,560; Aug. 9.
Detergents. A. Moscowitz. 1,847,437; Mar. 1.
Deterioration inhibitor for rubber. A. M. Clifford. Re18,607; Sept. 27.
Determining the quantitative relation of the components of a composite substance, Device for. W. Schäfer. 1,877,981; Sept. 20.
Determining the straightness of drill holes in the earth. E. Rosaire. Re18,565; Aug. 9.
Developing apparatus. R. F. Allin. 1,845,211; Feb. 16.
Developing apparatus. A. Langsner. 1,841,482–3; Jan. 19.
Developing apparatus. A. Langsner. 1,878,279; Sept. 20.
Developing apparatus, Continuous. A. Langsner. 1,845,296; Feb. 16.
Developing tank. C. F. Stout. 1,867,190; July 12.
Device for automatically arranging the elements of sliding clasp fasteners. K. H. Nägele. 1,890,300; Dec. 6.
Device for automatically re-winding clocks or other mechanisms by the variations of the atmospheric temperatures. J. L. Rueff. 1,887,911; Nov. 15.
Device for connecting and switching the windings of dynamos. E. Rosenberg. 1,882,162; Oct. 11.
Device for connecting to weighing scales a calculating or like secondary apparatus. F. E. Cuenoud. 1,853,041; Apr. 12.
Device for delivering fluid under pressure. W. Pool. 1,884,852; Oct. 25.
Device for determining the resistance of bodies to deflection. G. A. Chatillon. 1,871,776; Aug. 16.
Device for directing sound. C. Zwikker. 1,874,733; Aug. 30.
Device for dispersing a fluid through a viscous liquid. H. Lissb and T. A. Fen. 1,881,815; Mar. 8.
Device for distribution of accounts. F. A. Niemann and K. F. Ziehm. 1,884,814; Oct. 25.
Device for electric incandescent lamps, Safety. F. Eckhardt and M. Hodenkamp. 1,851,898; Mar. 29.
Device for facilitating the breaking of metallic rails. J. E. Busby. 1,890,843; Dec. 13.
Device for handling and emptying glass melting pots. R. Genenger. 1,869,245; July 26.
Device for hardening the surfaces of cylindrical bodies. F. Klopp. 1,879,850; Sept. 27.
Device for holding and dispensing soap bars. F. G. Ringland. 1,872,816; Aug. 23.
Device for holding and operating rotary tools. M. T. Vanderveort. 1,875,529; Sept. 6.
Device for inserting saw blades into saw frames. K. E. R. Österberg. 1,868,845; July 26.
Device for lifting and moving transformers. M. R. Coller. 1,870,097; Aug. 2.
Device for making vitreous like objects. S. H. Peltier. 1,865,787; July 5.
Device for measuring and recording vibrations in three directions simultaneously. J. E. Shrader. 1,869,828; Aug. 2.
Device for measuring the thickness of objects. H. A. Daynes and J. R. Scott. 1,865,306; June 28.
Device for mechanically sorting natural and artificial products according to their color and gradations of color. A. Weigl. 1,874,069; Aug. 30.

Device for operating rear curtains of cars. R. A. Kurth. 1,891,098; Dec. 13.
Device for placing pie trays onto or removing them from a traveling oven. E. Elliott. 1,874,699; Aug. 30.
Device for recording dips in formations of well bores. R. B. Culbertson. 1,841,790; Jan. 19.
Device for regulating operating quantities. M. Schleicher. 1,842,769; Jan. 26.
Device for regulating the pumping period of wells. J. S. Quigg. 1,892,631; Dec. 27.
Device for rinsing and applying a suction action to washing. E. Eberhard. 1,866,198; July 5.
Device for squeezing segmental fruit slices. F. Ritter, jr. 1,866,199; July 5.
Device for teaching the principles of aeroplane controls. E. G. Holst. 1,876,418; Sept. 6.
Device for the automatic single feeding of ring shaped blanks to working points. B. Forster. 1,879,156; Sept. 27.
Device for the cutting of threads on cylindrical surfaces. P. Brosse. 1,879,061; Sept. 27.
Device for the periodic distribution of a liquid substance on a plane surface cinematographic films, or others. A. Rodde. 1,892,473; Dec. 27.
Device for use in association with gases or gas-liquid mixtures, as a flame or explosion trap, a mixer, a flow controller, a silencer or a cooler. W. Helmore and A. Swan. 1,887,305; Nov. 8.
Device for use in blowing smoke rings. M. S. Banks. 1,891,466; Dec. 20.
Device for wiring honey comb frames. A. E. Wolkow. 1,878,746; Sept. 20.
Device or appliance for women's wear or use. Z. M. Richards. 1,884,243; Oct. 25.
Device to aid hearing, Portable. C. Carroll. 1,872,674; Aug. 23.
Device to be worn on necktie or clothing. E. W. Ozmon. Des. 86,468; Mar. 8.
Device with retarded release. J. A. Altmayer. 1,863,092; June 14.
Dextro-5-phenyl-5'-ethyl hydantoin. H. Sobotka. 1,861,458; June 7.
Dextrose from high purity solutions, Manufacture of hydrous. W. B. Newkirk. 1,890,913; Dec. 13.
Dextrose, Making crystalline. G. E. Corson and A. P. Bruant. 1,886,941; Nov. 8.
Dextrose, Manufacture of. C. Ebert, W. B. Newkirk, and M. Sokolowsky. 1,876,583; Sept. 13.
d-glucono-δ-lactone, Production of. R. Pasternack and W. R. Giles. 1,862,511; June 7.
Diagnostic instrument. E. D. Tillyer. 1,873,675; Aug. 23.
Diagnostic instrument. E. D. Tillyer. 1,889,456; Nov. 29.
Diagrams, Device for making orthogonal. K. Adamiecki. 1,860,763; May 31.
Dial and casing therefor, Combined illuminated indicator. A. A. Ewald. Des. 87,253; June 28.
Dial and handle for safes, Combined concentric lock. C. F. Wolters. Des. 87,171; Sept. 13.
Dial, Barometer. F. B. Rosenberger and R. J. Reynolds. Des. 86,059; Jan. 19.
Dial control. L. E. Hattolph. 1,844,839; Feb. 9.
Dial die machine. C. S. Siegel. 1,892,168; Dec. 27.
Dial for knitting machines, Needle. H. Swinglehurst. 1,887,340; Nov. 8.
Dial for photographic printing machines, Presetting. H. D. Philips. 1,861,937; June 7.
Dial for radios, Tuning. J. J. Warren. 1,864,875; June 28.
Dial indicator. A. B. Blomquist. 1,842,502; Jan. 26.
Dial indicator, Combination. E. H. Aldeborgh and C. E. Ruf. 1,891,136; Dec. 13.
Dial, Number work. E. K. Hammond. 1,858,153; May 10.
Dial or station selector, Radio. A. L. C. Ringel. 1,868,433; July 19.
Dial switching system, Panel. C. L. Goodrum. 1,840,357; Jan. 12.
Dial telephone attachment. R. W. Johnson. 1,850,550; Mar. 22.
Dialing appliance. J. E. Wilson. 1,889,393; Nov. 29.
Dials for gages, measuring instruments, and the like, Apparatus for stenciling luminous. M. Wolf and B. Marx. 1,850,253; Mar. 22.
Dialyzer frame. E. C. Heibig. 1,849,622; Mar. 15.
Diamines and azo dyestuffs derived therefrom, Azo-(2.3 hydroxy-naphthoyl)-aromatic. E. F. Grether. 1,871,513; Aug. 16.
Diamines and making same, Unilaterially acylated. M. Hartmann, H. Kaegi, and H. Isler. 1,886,481; Nov. 8.
Diamines, Aromatic acylated. W. Neelmeier and W. Lamberz. 1,874,581; Aug. 30.
Diamonds, Setting. C. J. Koebel. 1,848,182; Mar. 8.
Diaper. C. M. Schwartz. Re18,468; May 17.
Diaphragm. F. C. Hinckley and J. J. Hudson. 1,844,657; Feb. 9.
Diaphragm. R. H. Langley. 1,843,367; Feb. 2.
Diaphragm. R. F. Mallina. 1,870,417; Aug. 9.
Diaphragm. W. L. Tyrrell. 1,844,487; Feb. 9.
Diaphragm and making same, Sound producing. J. B. Hawley. 1,872,583; Aug. 16.
Diaphragm, Electrolytic. W. H. Wood. 1,890,242; Dec. 6.
Diaphragm for fuel pumps and making same. D. W. Randolph and J. T. Ford. 1,847,445; Mar. 1.
Diaphragm for loud speakers. A. V. Bedford. 1,846,937; Feb. 23.
Diaphragm for loud speakers. D. C. A. Hülstrom. 1,885,532; Nov. 22.
Diaphragm for optical systems. R. Berthon. 1,857,132; May 10.
Diaphragm for radio loud speakers. C. H. Duffy. 1,845,584; Feb. 16.
Diaphragm for sound receiving, reproducing, amplifying, and transmitting instruments. H. Schmidt. 1,873,335; Aug. 23.
Diaphragm for sound recording and reproducing devices. C. Laing. 1,876,306; Sept. 6.
Diaphragm for sound reproducing and recording apparatus, Conical. H. B. Mead. 1,878,162; Sept. 20.
Diaphragm mechanism. H. C. Lord and I. P. Whitehouse. 1,855,457; Nov. 1.
Diaphragm or diaphragm mount for loud speakers or other sound reproducing devices. Bruijnes and A. T. Van Urk. 1,877,804; Sept. 20.
Diaphragms, Tensioning and for mounting. E. H. Smythe. 1,863,073; June 14.
Diapositives, Apparatus for projecting. H. Wirtschafter. 1,857,268; May 10.
Diaryl guanidines, Making. M. L. Weiss and C. P. Bardsley. 1,853,189; Oct. 18.
Diaryl-1, 2, 5, 6-anthraquinone-dithiazole bodies. W. L. Rintelman and R. J. Goodrich. 1,891,449; Dec. 20.
Diaryl-1, 2, 5, 6-anthraquinone-dithiazole bodies, Preparing. W. L. Rintelman and R. J. Goodrich. 1,891,447; Dec. 20.
Diazes, Production of chlorinated. R. L. Jenkins. 1,892,297; Dec. 27.
Diazo-amino compound, Water soluble. E. Glietenberg, W. Neelmeier, and J. Haller. 1,882,562; Oct. 11.
Diazo-amino compounds. W. Hentrich, E. Tietze and A. Ossenbeck. 1,874,524; Aug. 30.
Diazo-amino compounds. W. Hentrich, E. Tietze, A. Ossenbeck, and P. Backes. 1,858,623; May 17.
Diazo-amino compounds, New. W. Hentrich, E. Tietze, A. Ossenbeck, and P. Backer. 1,871,850; Aug. 16.
Diazocompounds, New solid. K. Schnitzspahn. 1,846,151; Feb. 23.
Diazo baths suitable for the production of azo dyestuffs on the fiber, Preparation of. C. Taube. 1,880,622; Oct. 4.
Diazo compound, Water soluble. W. Neelmeier and E. Gliedenberg. 1,879,424; Sept. 27.
Diazo compounds and preparing them, Solid stable. M. P. Schmidt. 1,840,333; Jan. 12.
Diazocompounds, Solid. K. Schnitzspahn. 1,846,150; Feb. 23.
Diazo-nitroaryl compounds, Production of. L. H. Flett. 1,874,842; Aug. 9.
Diazo-preparations and making same. H. Johner. 1,846,113; Feb. 23.
Diazo-preparations and making same. H. Johner. 1,875,243; Aug. 30.
Diazo preparations and making same, Stable. G. Bonhôte. 1,867,957; July 5.
Diazo prints. Developing positive. L. P. F. and K. J. J. van der Grinten. 1,841,653; Jan. 19.
Diazo solutions in the presence of iron, Improving the stability of. O. Drapal. 1,876,880; Sept. 13.
Diazo-types and making the same. M. P. Schmidt and W. Steiger. 1,853,402; Apr. 12.
Diazonium fluoro-sulfonates, Preparing. W. Hentrich, M. Hardtmann, and A. Ossenbeck. 1,847,513; Mar. 1.
Dibenzanthrone, Halogenated. M. A. Kunz and K. Roberle. 1,868,608; July 26.
Dibenzanthrone, Producing oxidized. E. T. Howell. 1,866,501; July 5.
Dibenzanthrone, Production of. L. C. Daniels. 1,844,381; Feb. 9.
Dibenzanthrone, Production of. L. C. Daniels. 1,845,246; Feb. 16.
Dibenzanthrone, Production of. L. C. Daniels and H. J. West. 1,849,826; Mar. 15.
Dibenzoyl-alpha-alpha-dianthramides, Production of. W. A. Adamson and A. J. Wuertz. 1,884,498; Oct. 25.
Dibutyl sulphate, Production of. W. Engs and R. Z. Moravec. 1,854,581; Apr. 19.
Dice agitator. E. A. Savary. 1,867,031; July 12.
Di-chloramine, Making. J. C. Baker and F. C. Schmelkes. 1,850,067; Mar. 15.
Dichloro-ethylene, Producing low-boiling. A. Ruppert, W. Fischer, J. Voigt, and B. Hennig. 1,868,077; July 19.
Die; *See*—

Angle bar bending die.	Screw-cutting die.
Extension die.	Sheet metal die.
Macaroni die.	Thread rolling die.
Molding die.	Threading die.
Ornamenting die.	Torsion released die.

Die. S. R. Blakely. 1,848,821; Mar. 8.
Die. C. Hopkins. 1,879,250; Sept. 27.
Die. C. R. Leiter. 1,861,538; June 7.
Die. J. Sosa. 1,847,631; Mar. 1.
Die. F. S. Speicher. 1,885,385; Nov. 1.
Die and punch. J. Vehko. 1,861,648; June 7.
Die assembly, Unitary. A. W. Altvater. 1,890,715; Dec. 13.
Die block. C. C. Jacobson and J. Schweder. 1,877,880; Sept. 20.
Die cast machine. C. A. Wood. 1,855,783; Apr. 26.

Die casting. B. Stockfleth. 1,851,935; Mar. 29.
Die casting machine. W. J. During. 1,866,191; July 5.
Die-casting machine. W. J. During and N. Lester. 1,855,421; Nov. 1.
Die casting machine. E. Hotter. 1,876,940; Sept. 13.
Die casting machine. T. C. Korsmo. 1,872,085; Aug. 16.
Die casting machine. T. C. Korsmo. 1,877,896; Sept. 20.
Die-casting machine. N. Lester. 1,891,894; Dec. 20.
Die casting machine. A. P. Rosander and F. P. Tikalsky. 1,882,940; Oct. 18.
Die cushion for presses. O. Kühner. 1,868,637; July 26.
Die, Extruding. W. H. Mayhew. 1,849,431; Mar. 15.
Die for bolts and screws, Extruding. A. S. White. 1,855,372; Apr. 26.
Die for compressing the strands of wire rope. J. E. Evans. 1,866,363; June 28.
Die for rope making machines, Closing. P. Frank. 1,887,837; Nov. 15.
Die for slotting machines, Cutting. I. J. Gannon and G. E. Linn. 1,861,913; June 7.
Die for tanks, Entrance. J. F. Wentz. 1,871,351; Aug. 9.
Die forming articles from sulphurized paper board. A. Abrams. 1,882,683; Oct. 18.
Die head. R. E. Hyde. 1,848,297; Mar. 8.
Die head. H. T. Shearer and C. A. Reimschissel. 1,861,327; May 31.
Die head. H. T. Shearer and C. A. Reimschissel. 1,874,643; Aug. 30.
Die head, Adjustable. A. F. Breitenstein. 1,872,060; Aug. 16.
Die-head, Convertible rotary and non-rotary self-opening. R. M. Strickland. 1,867,191; July 12.
Die head, Reversible. W. A. Jenkins. 1,868,750; July 26.
Die head, Self opening. A. F. Breitenstein. 1,872,059; Aug. 16.
Die-head, Self-opening. A. F. Breitenstein. 1,888,067; Nov. 15.
Die-head, Self opening. R. M. Strickland. 1,867,192; July 12.
Die head, Self opening. E. O. Williamson. 1,846,296; Feb. 23.
Die header, Solid. W. W. Criley. 1,869,006; July 26.
Die lapping and grinding machine. R. Bsteh. 1,855,178; Nov. 1.
Die mechanism for forming tubular bodies. D. A. Schutt. 1,866,147; June 22.
Die mechanism for tubular sheet metal articles. C. H. Rollason. 1,889,501; Jan. 5.
Die printing machine. U. Rohler. 1,857,918; May 10.
Die rolling. P. L. Coyle. 1,860,608; May 31.
Die rolling and article produced thereby. W. P. Witherow. 1,878,054; Sept. 20.
Die, Screw cutting. J. Millerchip and T. M. Lambert. 1,890,124; Dec. 6.
Die sets, Device for assembling and dismantling. K. Janiszewski. 1,851,446; May 24.
Die sets, Packing. E. A. Baumbach. 1,863,894; June 21.
Diestock. B. T. Borden. 1,844,419; Feb. 9.
Die stock. B. T. Borden. 1,832,446; Nov. 17.
Diestock. G. G. Hassler. 1,861,703; June 7.
Die stock. F. Judge. 1,873,132; Aug. 23.
Diestock. I. W. Nonneman. 1,852,186; Apr. 5.
Die stock. R. B. Pealer. 1,883,397; Oct. 18.
Diestock. L. V. Stoeltzlen. 1,879,578; Sept. 27.
Dies and making the same. P. R. Zinser. 1,868,788; July 26.
Dies for corrugated tubes. L. H. Brinkman. 1,860,989; May 31.
Dies for extruding solid and hollow articles, Matrix. F. Singer. 1,840,472; Jan. 12.
Dies, Making. A. A. Braden. 1,883,335; Oct. 18.
Dies, Means to prevent making of fraudulent impressions from value-printing. W. H. Wheeler, jr., and J. W. Ogden. 1,874,074; Aug. 30.
Diesel engine. H. G. Edwards. 1,886,383-4; Nov. 8.
Diesel engine. P. E. Fritzsche. 1,859,663; May 24.
Diesel engine. W. G. Gernandt. 1,873,877; Aug. 23.
Diesel engine. B. V. E. Nordberg. 1,857,256; May 10.
Diesel engine. E. Nordmann. 1,873,168; Aug. 23.
Diesel oil engine, High speed. F. Porsche. 1,891,010; Dec. 13.
Diesters of carboxylic acids, Making. F. W. Skirrow and G. D. Morrison. 1,855,367; Apr. 26.
Differential. J. Guilmette. 1,871,052; Aug. 9.
Differential. J. Guilmette. 1,883,725; Oct. 18.
Differential. R. J. Jorolemon. 1,855,056; Apr. 19.
Differential and change speed gearing, Combined. P. A. Coulter. 1,846,187; Feb. 23.
Differential and free wheeling mechanism. J. Jaegerhuber. 1,854,036; Apr. 12.
Differential for automobiles. A. Rienerth. 1,886,226; Nov. 1.
Differential for motor vehicles. S. A. B. Hamilton, jr. 1,857,955; May 10.
Differential, Gear. A. G. Bowen. 1,839,195; Jan. 5.
Differential, Gearless. W. A. Jex. 1,843,163; Feb. 2.
Differential indicating gauge. G. S. Faber. 1,887,804; Nov. 15.
Differential indicating means. D. W. Roper. 1,853,883; Apr. 12.
Differential mechanism. J. P. Remington. 1,854,910; Apr. 19.
Differential mechanism. J. P. Remington. 1,859,245; May 17.
Differential method of indicating trouble on an oil filled cable. D. W. Roper. 1,853,882; Apr. 12.
Differential, Two wheel drive. C. E. Schoenborn. 1,885,871; Nov. 1.
Differentiating brake. H. C. Dunn. 1,869,470; Aug. 2.
Diffuser. A. Gustin. 1,860,836; May 31.
Diffuser for centrifugal compressors. C. W. Smith. 1,879,561; Sept. 27.
Digester. C. F. Richter. 1,860,477; May 31.
Digesting, Apparatus for continuous. G. C. Gress and R. R. Kern. 1,846,680; Feb. 23.
Digesting process and apparatus. T. L. Dunbar and A. D. Merrill. 1,888,632; Nov. 22.
Digestive apparatus. F. A. Goldfisch. 1,842,378; Jan. 26.
Digger: *See*—
Clam digger. Post hole digger.
Dandelion digger. Potato digger.
Grass digger. Root digger.
Peanut digger.
Digger and loader, Hydraulic. R. B. North, F. G. Hough, and R. R. Miller. 1,863,696; June 21.
Digger swinging digger type, Back. E. J. Wilson. 1,840,550; Jan. 12.
Digger tooth. Van C. Mekeel. 1,874,733; Aug. 30.
Diggers, Attachment for potato. T. H. Lyng. 1,848,367; Mar. 8.
Diggers to a tractor, Mechanism for attaching potato. E. H. Wilson. 1,869,641; Aug. 2.
Digging apparatus, Mechanical. J. H. Thornley. 1,861,038; May 31.
Digging implement. J. N. Hornbaker. 1,888,170; Nov. 15.
Digging lip and dipper tooth, Combined. W. Lehman. 1,872,307; Aug. 16.
Digging machine. A. Espantoso. 1,868,004; July 19.
Digging tooth. V. C. Mekeel. 1,845,677; Feb. 16.
Di-iodo-hydroxy mercury fluorescein. H. M. Chiles. 1,862,049; June 7.
Dike. J. H. Thornley. 1,858,976; May 17.
Dike construction. G. G. Wehr. 1,870,154; Aug. 2.
Dilator. J. J. Cantor. 1,878,671; Sept. 20.
Dilator. J. W. Kennedy. 1,877,766; Sept. 20.
Dilator. J. W. Kennedy. 1,879,305; Sept. 27.
Dilator. J. W. Kennedy. 1,879,307; Sept. 27.
Dilator. W. J. Kirk. 1,873,427; Aug. 23.
Dilator. R. and W. Thomas. 1,862,725; June 14.
Dilators, Production and packaging of teat. H. W. Naylor. 1,849,015; Mar. 8.
Dimmer control apparatus. F. B. Adam. 1,876,824; Sept. 13.
Dimmer, Glare. J. A. Rinker. 1,880,024; Sept. 27.
Dimmer scheme, Proportional preset. R. J. Wensley. 1,862,487; June 7.
Dimming device, Automatic. J. Gstyr and E. Wildhaber. 1,881,521; Oct. 11.
Dinitro-ortho-cyclohexylphenol. E. C. Britton and L. E. Mills. 1,880,404; Oct. 4.
Diolefines, Polymerization of. G. Ebert, F. A. Fries, and P. Garbsch. 1,880,918; Oct. 4.
Dioxide of titanium containing in particular chromium, Purification of impure. K. Specht. 1,845,633; Feb. 16.
Dip regulator for suction gathering receptacles and the like, Automatic. K. E. Feiler. 1,878,597; Sept. 20.
Diphenylamine from nitrocellulose powder, Removing. R. B. Mitchell. 1,876,726; Sept. 13.
Diphenylamine, Manufacture of. J. Frei. 1,840,576; Jan. 12.
Diphenyl, Making. T. E. Warren and C. B. Durgin. 1,891,514; Dec. 20.
Diphenyl-1, 2, 5, 6-anthraquinon-dithiazole bodies, Purifying. W. L. Rintelman. 1,891,448; Dec. 20.
Diphenyls, Halogenated dihydroxy. F. W. Nitardy, W. G. Christiansen, and S. E. Harris. 1,892,000; Dec. 27.
Diphthalyl-naphthalene compounds and a new product obtainable thereby, Preparing. P. Nawiasky and F. Kacer. 1,874,580; Aug. 30.
Dipper, Differential oil. H. B. Shoemaker. 1,843,070; Jan. 26.
Dipper, Ice cream. E. C. Baughman. 1,842,709; Jan. 26.
Dipper, Ice cream. D. Gray. 1,845,873; Feb. 2.
Dipper, Ice cream. E. S. Millo. 1,877,935; Sept. 20.
Dipper, Ice cream. F. S. Rusbay. 1,855,530; Apr. 26.
Dipper or bucket for excavating machines. J. N. Summers. 1,867,479; July 12.
Dipper-stick control for excavating machines. C. L. George. 1,891,351; Dec. 20.
Dipper stick, Flexible. E. H. Lichtenberg. 1,863,632; June 21.
Dipper stick foot piece. A. E. Holcomb. 1,883,915; Oct. 25.
Dipper tooth. J. Fellmeth. 1,870,044; Aug. 2.
Dipper tooth, Forged. D. Fogg. 1,845,981; Dec. 13.
Dipper tooth, Forged. A. R. Lane. 1,890,997; Dec. 13.
Dipper tooth, Self-sharpening. J. C. Taylor, jr. 1,860,338; May 24.
Dipper tooth structure. P. T. Robin. 1,856,930; May 3.
Dipper trip and monkey-line winder, Semiautomatic. G. G. Morin. Re18,617; Oct. 11.
Dipper trip and tag line, Combined power operated. H. E. Brey. 1,850,167; Mar. 22.
Dipper trip and tagline drum mechanism for cranes. L. A. Russell. 1,865,143; June 28.

Dippers. Making ice cream. C. J. Midlam. 1,852,254; Apr. 5.
Dipping device, Automatic. V. A. Fox. 1,876,050; Sept. 6.
Direction finder. F. H. Kroger. 1,863,982; July 26.
Direction finder. P. Schwerin. 1,850,774; Mar. 22.
Direction finder, Automatic. D. G. Little. 1,862,119; June 7.
Direction finder for radio waves. A. Bailey. 1,839,290; Jan. 5.
Direction finding system. L. A. Hyland. 1,892,151; Dec. 27.
Direction indicating apparatus for motor vehicles. J. J. Aduci. 1,856,614; May 3.
Direction indicating device. E. K. Friend. 1,890,677 Dec. 13.
Direction indicating system. R. A. Heising and J. P. Kendall. 1,870,682; Aug. 9.
Direction indicator. N. W. Adams. 1,863,459; June 14.
Direction indicator. F. M. Golon. 1,873,576; Aug. 23.
Direction indicator. W. Heertsch. 1,877,506; Sept. 13.
Direction indicator. T. Hinrichsen. 1,877,402; Sept. 13.
Direction indicator. R. A. Johannessen. 1,881,632; Oct. 11.
Direction indicator. I. Johnson. 1,846,424; Feb. 23.
Direction indicator. D. Schon. 1,840,213; Jan. 5.
Direction indicator. A. R. Tallman. 1,857,469; Nov. 8.
Direction indicator. A. B. Turk and G. T. Granger. 1,871,467; Aug. 16.
Direction indicator, Automobile. A. F. Haddad. 1,890,379; Dec. 6.
Direction indicator, Automobile. H. B. McCaine. 1,861,126; May 31.
Direction indicator for automobiles. W. M. Hike and W. J. B. Kast. 1,860,179; May 24.
Direction indicator for cycles and the like. A. Kummerle and E. Hildebrandt. 1,847,115; Mar. 1.
Direction indicator for motor cars. W. Wentzel. 1,870,304; Aug. 9.
Direction indicator for vehicles. M. Rosenblum. 1,865,338; June 28.
Direction indicator, Radio operated. W. S. Eaton. 1,842,345; Jan. 19.
Direction, Method and apparatus for determining. W. S. Eaton. 1,842,347; Jan. 19.
Direction, Method and apparatus for indicating. W. S. Eaton. 1,842,343; Jan. 19.
Direction signal, Automobile. R. J. Dorsett. 1,846,416; Feb. 23.
Direction signal, Vehicle. L. O. Lucka and J. W. Easley. 1,840,239; Jan. 5.
Direction signal, Vehicle. O. P. Wyatt. 1,848,685; Mar. 8.
Direction signaling device. J. Nielsen. 1,854,620; Apr. 19.
Directional signal. R. P. Churchill. 1,842,314; Jan. 19.
Directional signal. F. E. Gragg and L. B. Cohn. 1,866,802; July 12.
Directional signal. P. Robbiano. 1,857,977; May 10.
Director firing system. H. C. Ford. 1,840,497; Jan. 12.
Directory board. E. M. Bornhoft. 1,860,985; May 31.
Directory for drivers. G. E. Cook. 1,844,542; Feb. 9.
Directory system. M. Abel. 1,867,048; July 12.
Dirigible air dock. A. S. Franke. 1,867,591; July 19.
Dirigible bodies, Automatic steering of. E. H. Roussey. 1,851,397; Mar. 29.
Dirigible construction. H. M. Jackson. 1,744,765; Feb. 9.
Dirigible construction. A. C. Peterson. 1,862,606; June 14.
Dirigible light. R. M. Aoki. 1,865,294; June 28.
Dirigible road light. L. L. Witter. Re18,470; May 17.
Dirt collector. N. P. Hays. 1,854,738; Apr. 19.
Dirt collector. J. C. McCune and J. B. Wright. 1,860,425; May 31.
Dirt moving machine, Attachment for. C. J. Haugh. 1,858,736; May 17.
Disazodyestuffs for dyeing and printing wool, Manufacture of. Kranzlein. 1,869,063-4; July 26.
Disc bit and reamer. S. M. Akeyson. 1,867,545; July 19.
Disc harrow. W. L. Paul. 1,877,958; Sept. 20.
Discharging and distributing mechanism for concrete mixers. A. Foster, jr., and C. F. Ball. 1,890,982; Dec. 13.
Discharge apparatus. G. Holst and B. Van Der Pol. 1,874,297; Aug. 30.
Discharge device, Electron. S. Ruben. 1,882,449; Oct. 11.
Discharge device for belt conveyors. N. H. Sandberg. 1,845,562; Feb. 16.
Discharge device, Gaseous. L. De Forest. 1,873,558; Aug. 23.
Discharge device, Luminescent. J Brettmon. 1,870,831; Aug. 9.
Discharge indicator, Visible. W. H. De Lancey. 1,844,212; Feb. 9.
Discharge device, Space. H. D. Brown and C. A. Sabbah. 1,871,403; Aug. 9.
Discharge mechanism for nail distributors. T. Lund, 1,851,980; Apr. 5.
Discharge mechanism for tying machines. G. A. Dunn. 1,877,564; Sept. 13.
Discharge tube. L. L. Beck. 1,872,567; Aug. 16.
Discharge tube. G. Claude. 1,877,715; Sept. 13.
Discharge tube. A. Lederer. 1,860,149; May 24.
Discharge tube. F. Meyer, H. J. Spanner, and E. Germer. 1,843,645; Feb. 2.
Discharge tube. E. Oosterhuis and J. G. W. Mulder. 1,882,032; Oct. 11.
Discharge tube, Electric. J. H. de Boer and K. M. van Gessel. 1,859,029; May 17.
Discharge tube, Electric. J. H. J. Maartens. 1,859,043; May 17.
Discharge tube, Gas filled. G. L. Hertz. 1,874,528; Aug. 30.
Discharge tube, Spectral. A. E. Jacobsen. 1,851,360; Mar. 29.
Discharge tube with glow cathode. G. Holst. 1,875,002; Aug. 30.
Discharging preparation. G. Reddelien, L. H. Lange, A. Fischesser, and H. Freund. 1,889,154; Nov. 29.
Disconnect switch. W. J. Brennan. 1,856,313; May 3.
Disconnecting device, Automatic. H. A. W. Wood. 1,883,225; Oct. 18.
Disconnecting switch. H. W. Bodendieck. 1,873,272; Aug. 23.
Disconnecting switch. L. P. Boll and T. Birkenmaier. 1,880,734; Oct. 4.
Disconnecting switch. H. J. Crabbs. 1,845,783; Feb. 16.
Disconnecting switch. F. J. Fischer. 1,863,626; June 21.
Disconnecting switch. J. D. P. Hoffman. 1,877,319; Sept. 13.
Disconnecting switch. A. Ramsey. 1,845,188; Feb. 16.
Disconnecting switch. J. Sandin and H. J. Crabbs. 1,851,731; Mar. 29.
Disconnecting switch, Outdoor. G. A. Matthews. 1,843,573; Feb. 2.
Disconnecting switch, Vertical break. A. Alsaker, W. O. Hampton, and C. A. Koerner. 1,854,441; Apr. 19.
Diseases of the genito-urinary tract, Treatment of. J. J. Briggs. 1,885,106; Nov. 1.
Dish and cover, Vitalizer. G. M. Cornell. 1,843,918; Feb. 9.
Dish and similar article, Covered. H. J. McMaster. 1,884,058; Oct. 25.
Dish, Combination cooking and serving. F. J. Osius. Des. 86,970; May 17.
Dish, Combination cooking and serving. F. J. Osius. Des. 87,676–7; Aug. 30.
Dish, Corn serving. B. C. Berry. Des. 86,948; May 17.
Dish. L. Berzon. 1,847,328; Mar. 1.
Disher. J. W. Cox. 1,862,527; June 14.
Dishes and glaze therefor, Earthenware. H. J. McMaster. 1,890,297; Dec. 6.
Dish or other similar article of hollow-ware. F. W. Stark. Des. 87,491; Aug. 2.
Dish or other similar article of hollowware, china, or glass. P. Smed and F. W. Stark. Des. 86,554; Mar. 15.
Dish or similar article. E. B. Bedford and M. G. Parker. Des. 87,326–7; July 12.
Dish or similar article. E. B. Bedford and M. G. Parker. Des. 87,868–9; Oct. 4.
Dish or similar article, Covered. S. Johnson. Des. 86,723; Apr. 12.
Dish or similar article, Covered. J. B. McDonald. Des. 87,121; June 7.
Dish, Soap. A. C. Hirsch. Des. 86,837; Apr. 26.
Dish, Soap. J. W. Reno. 1,840,467; Jan. 12.
Dishwasher. B. Wyner. 1,846,703; Feb. 23.
Dishwasher. R. Zrebiec. 1,868,268; July 19.
Dishwashing. E. S. Stoddard. 1,870,318; Aug. 9.
Dishwashing Apparatus for. E. Greene and W. H. Swenarton. 1,889,858; Dec. 6.
Dishwashing device. C. F. Fitter. 1,859,769; May 24.
Dish washing machine. P. Dolen. 1,847,886; Mar. 1.
Dishwashing machine. J. E. Elkington. 1,855,344; Apr. 26.
Dish washing machine. J. E. Elkington. 1,878,685; Sept. 20.
Dish washing machine. C. G. Hall. 1,864,064; June 21.
Dishwashing machine. J. E. Lederman. 1,843,727; Feb. 2.
Dishwashing machine. W. L. Lindgren. 1,857,726; May 10.
Dishwashing machine. W. L. Lindgren. 1,857,728–9; May 10.
Dishwashing machine. W. L. Lindgren. 1,890,520; Dec. 13.
Dish washing machine. R. Fauly. 1,884,180–1; Oct. 25.
Dishwashing machine. C. M. Snyder. 1,867,634; July 19.
Dishwashing machine. E. S. Stoddard and W. C. Rykert. 1,870,317; Aug. 9.
Dishwashing machine. W. R. Walker. 1,853,589; Apr. 12.
Dishwashing machine. E. D. Watt, W. J. Irwin, and G. Virkus. 1,855,848; Apr. 26.
Disinfectant. T. Sabalitschka. 1,845,059; Feb. 16.
Disinfectant and preserving agent. F. Gunther, K. Vierling, and W. Pungs. 1,851,007; Mar. 29.
Disinfectants, Making dust. M. Engelmann. 1,890,774; Dec 13.
Disintegrating mill. S. K. Nester. 1,871,127; Aug. 9.
Disk abrader. Manicuring. H. J. Stevenson and M. Kessler. 1,860,629; May 31.
Disk, Abrasive. A. J. Doermann. 1,856,321; May 3.
Disk barring-off attachment for cultivators. A. V. Burch. 1,888,618; Nov. 22.
Disk brake. J. W. Heiney. 1,855,629; Apr. 26.
Disk brake mechanism. C. B. Spase. 1,843,490; Feb. 2.
Disk changer and reverser for automatic musical instruments. L. T. Kincanon. 1,887,309; Nov. 8.
Disk cultivator. W. F. Hamilton. 1,852,206; Apr. 5.
Disk cultivator or plow. J. P. Seaholm. 1,861,667; June 7.

Disk cutter, Safety. W. H. Freygang. 1,891,045; Dec. 13.
Disk deflector. J. E. Regan. 1,872,006; Aug. 16.
Disk for clutches, brakes, and the like, Friction. G. S. Lane. 1,892,282; Dec. 27.
Disk for pipe joints. W. F. Oberhuber. 1,859,525; May 24.
Disk for ring and horse shoe games. Scoring. R. Adams. Des. 86,590; Mar. 29.
Disk. Grove and orchard subpulverizer. S. O. Burg. 1,847,380; Mar. 1.
Disk harrow. J. E. Boda. 1,879,785; Sept. 27.
Disk harrow. E. C. Hopf. 1,872,108; Aug. 16.
Disk harrow. S. S. Furrer. 1,861,741; June 7.
Disk harrow. J. E. Hoffman. 1,846,005; Feb. 16.
Disk harrow. H. Hymans. 1,881,358; Oct. 4.
Disk harrow. T. C. Wardley. 1,858,756; May 17.
Disk harrow. C. H. White. 1,873,518; Aug. 23.
Disk harrow. Offset. J. G. Lindsman. 1,855,603; Apr. 26.
Disk harrow. Tandem. C. R. Rogers, E. H. Babel, and M. M. Brodersen. 1,877,592; Sept. 13.
Disk harrow. Gang angling mechanism for. C. H. White. 1,846,663; Feb. 23.
Disk record groove indicator. J. C. Crowley. 1,871,259; Aug. 9.
Disk, Scanning. F. E. Miller. 1,878,877; Sept. 20.
Disk, Scanning. A. O. Tate. 1,880,295; Oct. 4.
Disk, Separating. J. H. Mayhew. 1,879,385; Sept. 27.
Disk, Tilling. S. Arvesgard. Des. 86,997; Sept. 27.
Disk tiller. W. H. Silver. 1,863,641; June 21.
Disk, Toilet. W. Hofmann and A. C. Brucks. 1,855,712; Apr. 26.
Disk, turbine bucket wheel or the like, Rotary. E. L. Robinson. 1,884,252; Oct. 25.
Disk wheel. F. W. Baker. 1,854,728; Apr. 19.
Disk wheel. D. H. Bellamore. 1,846,079; Feb. 23.
Disk wheel. D. H. Bellamore. 1,872,224; Aug. 16.
Disk wheel. A. Levregard. Des. 86,997; Sept. 27.
Disk wheel. D. M. White. 1,864,969; June 28.
Disk wheel and hub cap, Combined. R. S. Begg. Des. 86,994; May 31.
Disk wheel, Balanced. F. L. Main, and F. C. Hebert. 1,847,774; Mar. 1.
Disks, Making optical. W. W. Poundstone. 1,857,213; May 10.
Disks, Method and apparatus for assembling. L. T. Frederick. 1,872,154; Aug. 16.
Disks, Method and apparatus for rolling. C. L. Eksergian and E. G. Budd. 1,869,959; Aug. 2.
Disks or caps and the like, Transferring or dispensing skirted paper. W. Wright and L. D. Pierce. 1,864,008; June 21.
Disks or fins on tubes, Method and apparatus for assembling. W. F. Hall. 1,869,195; July 26.
Disks to a shaft, Device for fixing. A. Meyer. 1,886,414; Nov. 8.
Dislodging device. W. H. Wineman. 1,884,946; Oct. 25.
Dispatch carrier, Pneumatic. T. Borman. 1,844,630; Feb. 9.
Dispatch system, Pneumatic. J. A. Bauer. 1,883,845; Oct. 18.
Dispatch system, Pneumatic. F. R. Talsey. 1,864,157; June 21.
Dispatch tube apparatus, Pneumatic. J. T. Needham. 1,883,844; Oct. 18.
Dispenser. G. W. Anderson. 1,849,901; Mar. 15.
Dispenser. P. Aronstam. 1,877,636; Sept. 13.
Dispenser. H. M. Gusdorf. 1,879,208; Sept. 27.
Dispenser. F. Hendwerk. 1,859,108; May 17.
Dispenser. G. H. Packwood, jr. 1,863,871; June 21.
Dispenser. R. L. Swartz. 1,891,787; Dec. 20.
Dispenser. A. D. Van Buren. 1,891,292; Dec. 20.
Dispenser. P. G. Wagner. Des. 87,246; June 21.
Dispenser, Air pressure. J. F. Goetz. 1,857,084; May 3.
Dispenser and ash tray, Combination cigarette. P. O. Echels. 1,846,811; Feb. 23.
Dispenser and support therefor, Soap. H. H. Young. 1,890,138; Dec. 6.
Dispensing apple and orange. F. J. Jacobson and E. J. Kauffman. 1,842,452; Jan. 26.
Dispenser, Article. A. R. Binggeli. 1,861,834; June 7.
Dispenser, Automatic oil. J. Mickelson. 1,846,135; Feb. 23.
Dispenser, Beverage. L. G. Ames. 1,858,029; May 10.
Dispenser, Beverage. F. E. Kirk. 1,879,317; Sept. 27.
Dispenser, Beverage. F. A. Madden. 1,865,773; July 5.
Dispenser, Condiment. J. G. Rossiter. Des. 87,943; Oct. 11.
Dispenser, Cup. A. C. Wood. 1,852,766; Apr. 5.
Dispenser, Drinking cup. E. Huff. 1,891,542; Dec. 20.
Dispenser, Face powder. J. Hofmeister. 1,891,819; Dec. 20.
Dispenser, Fluid. D. J. Nelson. 1,857,969; May 10.
Dispenser for dry materials. A. L. Bobrick. 1,885,978; Nov. 1.
Dispenser for liquids. F. A. Ostwald. Des. 88,172; Nov. 1.
Dispenser for nails, tacks, etc. K. C. Bugg. 1,832,768; Oct. 18.
Dispenser for tape. H. H. Wanders. 1,892,544; Dec. 27.
Dispenser for tobacco or granular material. J. A. Goodsell. 1,858,735; May 17.
Dispenser for volatile substances, Therapeutic. E. Collins. 1,858,580; May 17.
Dispenser, Hydraulic lubricant. J. R. Lassiter and H. L. Morris. 1,867,515; July 12.

Dispenser, Ice cream. J. A. Harrington. 1,846,423; Feb. 23.
Dispenser, Insecticide. C. W. Sandehn. 1,846,068; Feb. 23.
Dispenser, Liquid. K. E. Bemis. 1,876,554; Sept. 13.
Dispenser, Liquid. D. N. James. Des. 86,257; Feb. 16.
Dispenser, Liquid. C. A. Perkins. 1,851,290; Mar. 29.
Dispenser, Liquid merchandise. C. Doering. 1,873,929; Aug. 23.
Dispenser, Liquid soap. W. J. Thompson and R. G. Kirkwood. 1,866,237; July 5.
Dispenser, Loose powder. N. Kasdan, and R. F. Landwehr. 1,847,949; Mar. 1.
Dispenser, Lubricant. R. W. Dudley. 1,852,235; Apr. 5.
Dispenser, Magazine cup. H. H. Olsen. 1,881,894; Oct. 11.
Dispenser, Measuring. W. H. Haupt. 1,882,353; Oct. 11.
Dispenser, Measuring. A. Larsen and W. F. McComiskey. 1,840,906; Jan. 12.
Dispenser, Measuring. G. M. Warner. 1,848,919; Mar. 8.
Dispenser, Mercury. B. La Chotti. 1,866,294; July 5.
Dispenser, Motor driven paper. C. W. Elder. 1,870,800; Aug. 9.
Dispenser, Napkin. A. E. Cofrin. 1,853,407; Apr. 12.
Dispenser, Napkin. J. S. Daniels. 1,863,240; June 14.
Dispenser, Napkin. G. A. Shaffer and F. H. Wirtz. 1,874,642; Aug. 30.
Dispenser, Neck-strip. S. N. Hope. 1,878,399; Sept. 20.
Dispenser, Novelty beverage. W. A. Barnes. Des. 86,008; Jan. 19.
Dispenser of various substances, such as liquids, powders, granulates. R. H. Pershall. 1,884,840; Oct. 25.
Dispenser, Paste. H. Glaser. 1,852,558; Oct. 11.
Dispenser, Paste. E. S. Jones. 1,854,272; Apr. 19.
Dispenser, Paste-like. H. M. Gusdorf. 1,876,452; Sept. 6.
Dispenser, Powder. N. Kasdan, R. F. Landwehr, and D. Pollard. 1,863,266; June 21.
Dispenser, Powder. M. V. Tremblay. 1,852,685; Apr. 5.
Dispenser, Powder. C. P. Smith. 1,872,836; Aug. 23.
Dispenser, Sanitary toilet seat. T. J. Grypma and M. Meulenberg. 1,867,506; July 12.
Dispenser, Soap. W. H. Alton. 1,855,214; Apr. 26.
Dispenser, Soap. A. L. Bobrick. 1,844,057; Feb. 9.
Dispenser, Soap. A. L. Bobrick. 1,885,979; Nov. 1.
Dispenser, Soap powder. T. F. Hammer. 1,864,133; June 21.
Dispenser, Sugar. A. J. Cagliostro. 1,877,808; Sept. 20.
Dispenser, Wire. J. Pavlas. 1,848,744; Mar. 8.
Dispensers, Attachment device for drinking cup. F. P. Swallow. 1,840,816; Jan. 12.
Dispensers for materials in their original containers. P. D. Smith. 1,887,961; Nov. 15.
Dispensing and measuring device, Liquid. A. D. Hutton. 1,886,022; Nov. 1.
Dispensing and teeing golf balls, Apparatus for. C. C. Spencer. 1,868,261; July 19.
Dispensing apparatus. W. E. Bihl and A. Ramclau. 1,848,238; Mar. 8.
Dispensing apparatus. H. R. Brand. 1,872,110; Aug. 16.
Dispensing apparatus. A. J. Brecht. 1,863,083; June 14.
Dispensing apparatus. W. E. Doughty. 1,847,932; Mar. 1.
Dispensing apparatus. W. Hirschfeld. 1,876,649; Sept. 13.
Dispensing apparatus. J. B. Gunn. 1,882,812; Oct. 18.
Dispensing apparatus. G. R. Hutchinson. 1,879,269; Sept. 27.
Dispensing apparatus. R. J. Jauch and H. L. Mitchell. 1,869,375; Aug. 2.
Dispensing apparatus. F. Kayser. 1,879,298; Sept. 27.
Dispensing apparatus. J. R. Manley. 1,859,833; May 24.
Dispensing apparatus. C. Spaeth. 1,839,609; Jan. 5.
Dispensing apparatus. W. Zuehl. 1,841,926; Jan. 19.
Dispensing attachment for bottles, jugs, or the like. C. F. Blattner. 1,887,881; Nov. 15.
Dispensing apparatus, Apparatus for testing. H. G. Weymouth. 1,855,502; Apr. 26.
Dispensing apparatus, Beverage. I. G. Konikow. 1,859,566; May 24.
Dispensing apparatus, Beverage. K. D. Pettit, C. P. Wicks, and M. W. Hajek. 1,874,060; Aug. 30.
Dispensing apparatus, Fluid. W. M. Griffin. Des. 86,954-5; May 17.
Dispensing apparatus, Fluid. W. M. Griffin. Des. 87,150-1; June 14.
Dispensing apparatus, Fluid. J. W. Hartman. Des. 87,151; June 14.
Dispensing apparatus, Fluid. H. Somervell. Des. 86,985; May 17.
Dispensing apparatus for lubricating oils. R. E. Nest. 1,884,134; Oct. 25.
Dispensing apparatus, Grease. E. W. Davis. 1,859,290; May 24.
Dispensing apparatus, Liquid. E. H. Bradley. 1,840,079; Jan. 5.
Dispensing apparatus, Liquid. E. H. Bradley. 1,850,739; Mar. 22.
Dispensing apparatus, Liquid. E. H. Bradley. 1,874,431; Aug. 30.
Dispensing apparatus, Liquid. J. B. Davis. 1,855,667; Apr. 26.
Dispensing apparatus, Step-by-step remote control liquid. W. S. Townsend and L. Deutsch. 1,848,146; Mar. 8.
Dispensing box. L. R. Zimmerman. 1,850,254; Mar. 22.
Dispensing box, Beverage. H. R. Loosley. 1,846,219; Feb. 23.

Dispensing can. J. H. Miller. 1,862,193; June 7.
Dispensing can. F. C. Reineking. 1,864,936; June 28.
Dispensing device. D. G. Adams and A. C. Hansmann. 1,871,291; Aug. 9.
Dispensing device. R. H. Baptiste. 1,841,275; Jan. 12.
Dispensing device. H. C. Bell. 1,853,493; Apr. 12.
Dispensing device. J. A. Bender. 1,858,613; May 17.
Dispensing device. Brezin. 1,868,596; July 26.
Dispensing device. C. E. Conner. 1,874,738; Aug. 30.
Dispensing device. V. Cooley. 1,875,705; Sept. 6.
Dispensing device. E. H. Cooper. 1,880,823; Oct. 4.
Dispensing device. J. R. Foster. 1,847,938; Mar. 1.
Dispensing device. J. B. Friedman. 1,857,685; May 10.
Dispensing device. W. Gail. 1,859,904; Jan. 5.
Dispensing device. C. S. Garlutzo. 1,885,907; Nov. 1.
Dispensing device. G. Genovesi. 1,851,044; Mar. 29.
Dispensing device. J. Gray. 1,849,484; Feb. 23.
Dispensing device. A. C. Grunwald. 1,871,175; Aug. 9.
Dispensing device. H. M. Gusdorf. 1,869,085; Aug. 2.
Dispensing device. L. F. Hadden. 1,861,528; June 7.
Dispensing device. J. G. Hausman. 1,841,732; Jan. 19.
Dispensing device. S. Hinds. 1,843,674; Feb. 2.
Dispensing device. E. Kanter. Des. 85,940; Jan. 5.
Dispensing device. G. P. Kean. 1,886,106; Nov. 1.
Dispensing device. J. Lindquist. 1,875,621; Sept. 6.
Dispensing device. D. F. Mansbach and M. W. Rosenthal. 1,845,673; Feb. 16.
Dispensing device. E. E. McDow. 1,886,288; Nov. 1.
Dispensing device. J. H. McMillan. 1,885,368; Nov. 1.
Dispensing device. L. G. Millis. 1,889,689; Nov. 29.
Dispensing device. G. N. Moore. 1,851,722; Mar. 29.
Dispensing device. L. M. Nash. 1,891,315; Dec. 20.
Dispensing device. A. E. Payson and M. P. Wetmore. 1,859,886; May 24.
Dispensing device. J. R. Skoverski. 1,883,829; Oct. 18.
Dispensing device. J. J. Smith. 1,872,837; Aug 23.
Dispensing device. I. N. Stoops. 1,884,350; Oct. 25.
Dispensing device. W. L. Thoeming and O. M. Shander. 1,859,120; July 26.
Dispensing device. W. S. Townsend. 1,848,211; Mar. 8.
Dispensing device. E. G. Wessman. 1,878,354; Sept. 20.
Dispensing device. A. Wyss-Strom. 1,853,711; Apr. 12.
Dispensing device. P. H. D. Winsor. 1,842,000; Jan. 19.
Dispensing device, Beverage. J. Vassos. Des. 87,654; Aug. 23.
Dispensing device, Coin controlled. E. Fey. 1,855,444; Apr. 26.
Dispensing device, Coin controlled. G. J. Robertson. Des. 85,004; Jan. 12.
Dispensing device for collapsible tubes. W. G. Kendall. 1,858,174; Nov. 15.
Dispensing device for gasoline. A. G. Tebault. 1,880,299; Oct. 4.
Dispensing device for powdered substances. M. B. Bantly. 1,855,378; Apr. 26.
Dispensing device for tooth-paste. A. Dazey. 1,866,190; July 5.
Dispensing device, Liquid. G. S. Cox and H. J. Almstedt. 1,851,350; Mar. 29.
Dispensing device, Liquid. M. H. Spielman. 1,848,393; Mar. 8.
Dispensing device, Lubricant. H. J. Stork. 1,844,989; Feb. 16.
Dispensing device, Soap. R. S. Walker. 1,845,636; Feb. 16.
Dispensing equipment. A. A. Gildemeister. 1,874,496; Aug. 30.
Dispensing, filling, and capping machine. E. G. Wessman. 1,850,522; Mar. 22.
Dispensing machine. W. E. Bihl, and A. Ramclaw. 1,846,941; Feb. 23.
Dispensing machine. A. H. Du Grenier. 1,873,317; Aug. 23.
Dispensing machine. J. F. Farmer. 1,880,956; Oct. 4.
Dispensing machine. L. H. Morin. 1,856,780; May 3.
Dispensing machine. C. McMillan. 1,888,047; Nov. 15.
Dispensing machine. H. A. Poppenhusen. 1,869,773; Aug. 2.
Dispensing machine. A. J. Signor. Re18,449; May 3.
Dispensing machine, Coin controlled. E. J. Abell. 1,853,651; Apr. 12.
Dispensing machine for bottled goods. H. E. Head. 1,860,028; May 24.
Dispensing mechanism. W. L. Beall. 1,868,516; July 26.
Dispensing mechanism. H. R. Brand. 1,870,889; Aug. 9.
Dispensing mechanism. H. R. Brand. 1,880,753; Oct. 4.
Dispensing mechanism. H. W. Crouse. 1,855,441; Apr. 26.
Dispensing mechanism. A. H. Du Grenier. 1,881,175; Oct. 4.
Dispensing-package for powder puffs. J. Jacobs. 1,859,295; Dec. 6.
Dispensing, severing, and moistening apparatus. A. P. Ingram. 1,843,161; Feb. 2.
Dispensing system. Hydraulic grease. A. Bizzarri. 1,885,220; Nov. 1.
Dispensing system for gasoline and the like. G. H. Didinger. 1,866,298; July 5.
Dispensing tank. C. D. Miller. Des. 86,852; Apr. 26.
Dispensing tube. E. H. Barker. Re18,433; Apr. 19.
Dispensing tube. J. V. Giesler. 1,870,903; Aug. 9.
Dispensing tube. W. T. Hancock. 1,869,808; Aug. 2.
Dispensing tube. L. J. Schied. 1,853,931; Apr. 12.
Dispensing unit. E. B. Wagoner. Des. 86,150; Feb. 2.
Dispensing unit, Gasoline. T. L. Pfueger. Des. 86,537–9; Mar. 15.
Dispensing unit, Gasoline. T. L. Pfueger. Des. 86,616; Mar. 29.
Dispersion machine. W. A. Black. 1,874,079; Aug. 30.
Dispersion mill. F. M. Travis. 1,851,071; Mar. 29.
Dispersions and the production thereof. R. W. Lewis. 1,869,380–1; Aug. 2.
Displacement meter. C. J. Bassler. 1,886,364; Nov. 8.
Display. F. A. Apfelbaum. 1,871,252; Aug. 9.
Display. E. A. Benz. 1,851,180; Mar. 29.
Display. P. O. Scow. 1,846,911; Feb. 23.
Display and dispensing apparatus. H. C. Smith. 1,851,100; Oct. 4.
Display and dispensing hook. L. C. Warager. 1,890,834; Dec. 13.
Display and information device, Combination. A. Selkowitz. 1,844,301; Feb. 9.
Display and vending method and device. H. H. McKee and C. T. Walter. 1,859,270; May 17.
Display and vending method and device. H. H. McKee and C. T. Walter. 1,866,511; July 5.
Display apparatus. J. A. Ashley. 1,869,003; July 26.
Display apparatus. F. La Barrer. 1,842,615; Jan. 26.
Display apparatus. R. M. Craig. 1,843,919; Feb. 9.
Display apparatus. R. M. Craig. 1,877,046; Sept. 13.
Display apparatus. A. Ehrenzweig. 1,885,595; Nov. 1.
Display apparatus. H. H. Ingersoll. 1,858,208; May 10.
Display apparatus. P. L. Meyer. 1,853,230; Apr. 12.
Display apparatus. J. Wallace. 1,848,283; Mar. 8.
Display board, Accident. M. R. Simon. 1,891,654; Dec. 20.
Display board, Container. T. De Lorenzo. 1,876,869; Sept. 13.
Display box. L. A. Day. 1,859,200; May 17.
Display box. F. J. Dunn. 1,867,447; July 12.
Display box. I. Goldstein. 1,887,300; Nov. 8.
Display box. B. H. Lengsfield. 1,859,401; May 24.
Display box. H. Lewkowitz. 1,876,709; Apr. 19.
Display box. E. W. Poppe. 1,859,049; May 17.
Display box, Counter. E. A. Locke, jr. 1,850,020; Mar. 15.
Display card or similar article. S. H. Goldberg. Des. 88,733; Dec. 20.
Display case. C. F. Burkhart. 1,854,104; Apr. 12.
Display case. G. C. Hilton. Des. 87,922; Oct. 11.
Display case. H. N. Lines. 1,863,493; June 14.
Display case. J. W. Lowell. 1,844,207; Feb. 9.
Display case. M. T. O'Donnell. 1,861,935; June 7.
Display case. M. L. Webster. 1,881,986; Oct. 11.
Display case. E. Zeigler. 1,845,330; Feb. 16.
Display case, Illuminated. C. W. Kanolt. 1,882,647; Oct. 11.
Display construction. S. Fisher. 1,839,871; Jan. 5.
Display device. W. A. Adams. 1,878,750; Sept. 20.
Display device. J. F. Allison. 1,862,353; June 7.
Display device. F. A. Apfelbaum. 1,852,646; Jan. 26.
Display device. F. A. Apfelbaum. 1,859,646; May 24.
Display device. W. I. Block. 1,844,540; Oct. 25.
Display device. A. Brown, jr. 1,872,681; Aug. 23.
Display device. A. B. Collingbourne. 1,842,072; Jan. 19.
Display device. C. S. Crickmer. 1,880,835; Oct. 4.
Display device. J. J. De Witt. 1,872,074; Aug. 16.
Display device. M. Du Bois. 1,867,061; July 19.
Display device. M. M. Einson. 1,870,799; Aug. 9.
Display device. M. M. Einson and A. J. Tanner. 1,840,622; Jan. 12.
Display device. J. E. S. Estes. 1,880,944; Oct. 4.
Display device. F. E. Everson. 1,871,598; Aug. 16.
Display device. P. W. Jonson. 1,842,922; Jan. 19.
Display device. H. S. Greenstone. 1,841,026; Jan. 12.
Display device. G. F. Hogan. 1,871,690; Aug. 16.
Display device. A. W. Kling. 1,885,026; Oct. 25.
Display device. N. Krawitz. 1,865,923; July 5.
Display device. H. Lando. 1,855,522; Apr. 26.
Display device. P. H. Lang and N. E. Van Stone. 1,839,972; Jan. 5.
Display device. F. H. Lang and N. E. Van Stone. 1,876,978; Sept. 13.
Display device. A. G. Litle. Des. 87,323–4; July 5.
Display device. J. W. Littman. 1,887,100; Nov. 8.
Display device. F. E. Mayo. 1,889,307; Nov. 29.
Display device. R. Meader. 1,869,433; Aug. 2.
Display device. G. C. Miller. 1,879,943; Sept. 27.
Display device. J. Mitchell. 1,870,146; Sept. 27.
Display device. J. J. Murray. 1,858,337; May 17.
Display device. R. Neller and W. W. Holman. 1,879,761; Sept. 27.
Display device. T. O'Rourke. 1,883,564; Nov. 22.
Display device. R. Orthwine. 1,874,795; Aug. 30.
Display device. C. J. Rudicki. 1,889,002; Nov. 29.
Display device. F. B. Raynor. 1,891,012; Dec. 13.
Display device. R. M. Sanders. 1,887,946; Nov. 15.
Display device. R. S. Saunders. 1,867,765; July 19.
Display device. E. Schwartz. 1,839,806; Jan. 5.
Display device. L. E. Shaw. 1,888,096; Nov. 15.
Display device. C. Smith. 1,888,839; Nov. 22.
Display device. W. M. Spainhower. 1,850,184; Mar. 22.
Display device. R. E. Spiel. 1,866,135; July 5.
Display device. W. H. Stayton. 1,889,763; Dec. 6.
Display device. A. L. Stern. Des. 86,946; Mar. 29.
Display device. H. Sutliff. Des. 86,289; Feb. 16.
Display device. H. J. Taplin. 1,875,676; Sept. 6.
Display device. F. P. Ward. 1,841,561; Jan. 19.

Display device, W. I. Wells. 1,863,516; June 14.
Display device, N. Westcott. 1,853,790; Apr. 12.
Display device, J. G. Whitney. 1,871,288; Aug. 9.
Display device, W. B. Wilson. 1,855,973; Nov. 1.
Display device, A. L. Wolfson. 1,859,287; Jan. 5.
Display device, A. H. Zeledon. 1,863,611; June 21.
Display device, A. H. Zeledon. 1,886,144; Nov. 1.
Display device, advertising card. J. D. MacLachlan. 1,849,373; Mar. 15.
Display device and clock, Combined. R. Huntley and H. E. Wickham. Des. 56,376. Mar. 1.
Display device, Collapsible. J. R. Lockie. 1,872,682; Aug. 23.
Display device, Electrical. C. D. Barker. 1,860,979; May 31.
Display device for confections and the like. C. A. Peterson. 1,870,643; Aug. 9.
Display device for refrigerator installations. H. H. McKee and C. T. Walter. 1,872,779; Aug. 23.
Display device, Illuminated. A. Applegate. 1,846,077; Feb. 23.
Display device, Illuminated. H. C. Keyes. 1,859,516; May 24.
Display device, Illusory. O. C. Pierce. Des. 86,805; Apr. 19.
Display device, Jewelry. D. Z. Peters. 1,872,804; Aug. 23.
Display device, Reversible. I. A. Eakins. 1,860,021; May 24.
Display device, Self-supported. J. Horwath. 1,890,682; Dec. 13.
Display equipment. W. B. Morton and L. F. Belsner. Reis.8,459; May 3.
Display equipment. J. Ruwitch. 1,861,820; June 7.
Display figure. J. H. Eastman and F. A. Todhunter. Des. 84,847; Mar. 1.
Display fixture. I. Barnett. 1,885,103; Nov. 1.
Display fixture. O. N. Segall. Des. 87,760; Sept. 13.
Display fixture, Adjustable. F. O. Nelson and C. A. Pogel. 1,846,976; Feb. 23.
Display folder, Combination necktie and handkerchief. M. Grossman. 1,866,453; July 5.
Display frame. J. H. Boban. 1,842,580; Jan. 26.
Display frame. J. F. Meyer. 1,867,323; July 12.
Display or advertising device. M. M. Elnson. 1,844,276; Feb. 9.
Display, Illuminated. A. Koeble. 1,886,697; Nov. 8.
Display method and apparatus. E. B. Kirk. 1,886,341; Nov. 1.
Display or decoration device. E. H. Horton. 1,865,758; July 5.
Display package. L. L. McIlhenney. 1,860,586; May 31.
Display package. F. J. Stuart. 1,844,189; Feb. 9.
Display package for edibles and the like. S. Rosen. 1,870,053; Sept. 6.
Display rack. C. F. Anderson. 1,871,294; Aug. 9.
Display rack. H. L. Beach. 1,865,298; June 28.
Display rack. F. O. Brown. 1,848,214; Mar. 8.
Display rack. H. M. Feldkamp. 1,886,539; Nov. 8.
Display rack. E. W. Hamann. 1,869,146; July 26.
Display rack. H. E. Hoffman. 1,859,611; May 24.
Display rack. W. A. Heinze. Des. 86,167; Feb. 9.
Display rack. F. E. Hutchins and C. F. Losey. 1,892,150; Dec. 27.
Display rack. L. F. McKelvey. 1,881,212; Oct. 4.
Display rack. J. A. Merkle. 1,841,753; Jan. 19.
Display rack. T. H. Price. 1,890,947; Dec. 13.
Display rack. P. A. Ruddy. 1,876,172; Sept. 6.
Display rack. R. H. Willcox. 1,858,653; May 17.
Display rack, Portable. H. Pack. Des. 86,803; Apr. 19.
Display sheet. M. Lichter. 1,881,736; Oct. 11.
Display sheet rack. W. A. Hanses. 1,866,208; July 5.
Display sheet, Window. H. V. Marsh. 1,850,237; Mar. 22.
Display stand. F. D. Barter. 1,889,625; Nov. 29.
Display stand. H. S. Best. Des. 88,394; Nov. 29.
Display stand. E. H. Cooke and I. B. Cooke. 1,875,563; Sept. 6.
Display stand. B. F. Cullison. Des. 86,908; May 10.
Display stand. L. A. Dunco. 1,854,293; Apr. 19.
Display stand. B. J. Davidson. 1,886,532; Nov. 8.
Display stand. C. L. Foretich. Des. 85,980; Jan. 12.
Display stand. S. S. Fryer. Des. 87,109; June 7.
Display stand. S. W. Hilton. Des. 87,633–5; Aug. 23.
Display stand. M. E. Holy. 1,875,460; Sept. 6.
Display stand. O. E. Karnes. 1,850,979; Mar. 22.
Display stand. M. Kennedy. 1,869,217; July 26.
Display stand. N. Kopp. 1,846,878; Feb. 23.
Display stand. J. L. Larkin. 1,881,707; Oct. 11.
Display stand. H. C. Lorentzen. 1,843,751; Feb. 9.
Display stand. G. W. Newton. Des. 86,044; Jan. 19.
Display stand. C. C. Nuckols. 1,881,224; Oct. 4.
Display stand. F. Pfohl. 1,865,886; June 28.
Display stand. C. J. Quill. 1,849,552; Mar. 15.
Display stand. R. M. Ring. 1,873,036; Aug. 23.
Display stand. B. Stulik. Des. 87,681; May 24.
Display stand. F. Tourtois. 1,878,302; Sept. 20.
Display stand. H. A. Vos. Des. 86,690; Apr. 5.
Display stand. E. F. Weston. 1,860,879; May 31.
Display stand, Advertising. G. Hyman. 1,839,881; Jan. 5.
Display stand for jewelry. H. I. Koshland. Des. 86,573; Mar. 22.
Display system, Self-acting. R. Koller. 1,863,797; June 21.
Display table. F. R. Chester. 1,885,801; Nov. 1.
Display table, Vegetable and fruit. H. Kodani. 1,849,101; Mar. 15.
Display, Visible. A. M. Ducey. 1,853,726; Apr. 12.
Display wheel, Advertising. H. T. Orr. 1,854,559; Apr. 19.
Display window construction. C. F. Dingman. 1,886,654; Nov. 8.
Distance control device. J. C. Bolt and C. I. Johnson. 1,870,230; Aug. 9.
Distance by echo, Method and apparatus for determining. R. A. Fessenden. 1,853,119; Apr. 12.
Distance indicator for vehicles. G. D. Thomas. 1,879,592; Sept. 27.
Distance meter. S. Tsujita. 1,840,001; Jan. 5.
Distender for nostrils. G. A. Simmons. 1,839,606; Jan. 5.
Distillates, Refining. P. Borgstrom. 1,840,269; Jan. 5.
Distillates, Refining. J. D. Fields. 1,864,719; June 28.
Distillation. H. Franzen. 1,871,051; Aug. 9.
Distillation. W. O. Snelling. 1,872,007; Sept. 20.
Distillation apparatus. J. C. Ryder. 1,849,029; Mar. 8.
Distillation apparatus and the like. F. E. Lichtenthaler. 1,857,816; May 10.
Distillation apparatus and using the same, Low temperature. F. Puening. 1,862,034; June 7.
Distillation, Apparatus for and method of. W. G. Laird. 1,842,181; Jan. 19.
Distillation apparatus, Low temperature. F. Puening. 1,861,876; June 7.
Distillation, Fractional. C. W. Watson and P. C. Keith, Jr. 1,842,436; Jan. 26.
Distillation, Method and apparatus for fractional. I. H. Levin. 1,873,771; Aug. 23.
Distillation of hydrocarbon oils. O. C. Brewster. 1,871,348; Aug. 9.
Distillation of lubricating stock. M. H. Tuttle. 1,851,550; Mar. 29.
Distillation, Process and apparatus for. W. G. Laird. 1,842,180; Jan. 19.
Distillation process and apparatus, Fractional. W. G. Williams. 1,836,142; Nov. 1.
Distillation system. H. C. Lea. 1,845,159; Feb. 16.
Distillation under vacuum. J. R. Schonberg. 1,877,987; Sept. 20.
Distillery slops jointly with wood sawdust or other vegetable waste or carbonaceous materials, Utilization of. A. Pleick. 1,856,357; May 3.
Distilling. W. T. Ball. 1,858,568; Oct. 11.
Distilling apparatus. S. I. Charlesworth, A. W. Harris, and C. P. Linder. 1,868,625; July 26.
Distilling apparatus. C. C. B. Kersten. 1,847,007; Feb. 23.
Distilling apparatus for use in reclaiming oils. A. H. Tennent. 1,876,035; Sept. 6.
Distilling apparatus. J. McDougall. 1,886,037; Nov. 1.
Distilling materials in contact with porous substance. B. Gallsworthy. 1,860,890; May 31.
Distilling process and apparatus. E. H. Leslie and E. M. Baker. 1,868,466; July 19.
Distortion correction in transmission systems. H. W. Dudley. 1,859,030; May 17.
Distortion of vacuum tube amplifiers, Reducing. H. S. Hamilton. 1,871,986; Aug. 16.
Distributing and feeding apparatus. C. R. Kuzell. 1,866,005; June 21.
Distributing apparatus. J. E. Bushnell. 1,853,546; Apr. 12.
Distributing apparatus. O. C. Houghton. 1,885,828; Nov. 1.
Distributing apparatus, Automatic fertilizer. M. Romera. 1,868,588; July 26.
Distributing apparatus for conical corks. E. F. Dauteuil. 1,850,000; Mar. 15.
Distributing comminuted material, Apparatus for. L. Powell. 1,881,932; Oct. 11.
Distributing device for sorted waste paper. N. H. Sandberg. 1,847,264; Mar. 1.
Distributing head for liquid or semi-liquid material. J. C. MacLachlan. 1,869,384; Aug. 2.
Distributing member for stokers, Fluid cooled. A. M. Hunt. 1,869,061; July 26.
Distributing parts, Apparatus for. L. J. Moeller. 1,839,490; Jan. 5.
Distributing system, Cotton. W. Shaw. 1,875,356; Sept. 6.
Distribution system. E. F. Carter. 1,848,824; Mar. 8.
Distribution system. A. H. Mittag. 1,864,364; June 21.
Distribution system. H. V. Nye. 1,859,839; May 24.
Distribution system. R. J. Wensley. 1,855,735; Apr. 26.
Distributor. S. Chase. 1,857,495; May 10.
Distributor. G. S. Messinger. 1,850,937; Mar. 22.
Distributor. W. A. White. 1,889,816; Dec. 6.
Distributor, Automatic. F. Ewing. 1,839,749; Jan. 5.
Distributor, Double conveyer. J. J. Wallace. 1,885,656; Nov. 1.
Distributor, Fertilizer. J. A. McKay and P. H. Lynch. 1,869,820; Aug. 2.
Distributor for cotton gins. W. L. Hancock. 1,845,873; Feb. 16.
Distributor for cotton gins. W. D. Wilson. 1,864,388; June 21.
Distributor for extraction apparatus. M. Grossmann. 1,887,126; Nov. 8.

Distributor for internal combustion engines, Rotary. A. Feyens, 1,865,363; June 28.
Distributor for pulverulent fuel burners and making same. W. Kleinow, 1,861,410; May 31.
Distributor for reactive liquids and using the same. M. D. Mann, jr., 1,876,994; Sept. 13.
Distributor for settling tanks, Feed. C. L. Adams. 1,887,177; Nov. 8.
Distributor head. C. H. Bills and G. G. Griswold. 1,887,747; Nov. 15.
Disulphides of mercaptothiazoles, Making. A. M. Clifford. 1,850,421; Oct. 4.
Ditch check. K. Schmitt. 1,861,031; May 31.
Ditch conserver. O. W. Schmidt. 1,852,268; Apr. 5.
Ditcher. A. C. Rasmussen, R. Dorward, and L. C. Gerow. 1,854,151–2; Apr. 12.
Ditching and grading machine. C. B. Keller. 1,847,432; Mar. 1.
Ditching machine. H. Karlsen. 1,851,254; Mar. 29.
Dithiocarbamates, Manufacture of. T. Weigel. 1,880,564; Oct. 4.
Dithlophosphates, Making. G. Barsky and R. V. Heuser. 1,889,943; Dec. 6.
Dithiophosphates and composition containing same, Making. G. H. Buchanan. 1,868,192; July 19.
Divan, sleeping chair, and the like. B. Nordby. 1,852,669; Apr. 5.
Divider and grain wheel, Automatically adjustable. R. C. Livesay. 1,873,439; Aug. 23.
Dividing and subpile point therefor. A. Renzelberg. 1,842,051; Jan. 19.
Dividing machine for dough, Variable. J. V. Mason. 1,857,507; May 10.
Diving apparatus. R. H. Davis. 1,890,570; Dec. 13.
Diving apparatus. E. Kulik. 1,854,906; Apr. 19.
Division for bowling alleys, and guard therefor. A. E. James, jr. 1,879,749; Sept. 27.
Dobby. H. Stäubli. 1,892,323; Dec. 27.
Docking device. G. S. Phillips and M. J. Jackson. 1,849,877; Mar. 15.
Doctor. J. A. Lafore. 1,845,716; Feb. 16.
Doctor cleaning device. J. E. Woodbury. 1,878,564; Sept. 20.
Doctor for calendering machines. H. W. Mason. 1,880,455; Oct. 4.
Doctor for paper making machinery. F. W. Vickery. 1,868,111; Oct. 18.
Doctor mechanism for rolls and cylinders. F. W. Lodding. 1,892,214; Dec. 27.
Doctor solution, Formation and recovery of. H. H. Meler and O. H. Dawson. 1,843,578; Feb. 2.
Document assorting and temporary filing device. M. A. Thomas. 1,861,764; June 7.
Dog racing device. B. D. Smith. 1,839,351; Jan. 5.
Dogging and tapering mechanism. G. M. Pelton. 1,853,775; Apr. 12.
Dogging mechanism. G. M. Pelton. 1,850,941; Mar. 22.
Dogging mechanism. G. Tanner. 1,839,713; Jan. 5.
Doily. R. J. and G. A. Hutt. Des. 88,554; Dec. 6.
Doily. M. Karfiol. Des. 85,942; Jan. 5.
Doily. E. Karfiol. Des. 87,307; July 5.
Doily. E. Karfiol. Des. 88,654; Dec. 13.
Doll. M. O. Cabell. Des. 88,623; Dec. 13.
Doll. A. B. Collins. Des. 88,399; Nov. 29.
Doll. M. De Cesare. 1,861,050; May 31.
Doll. R. W. and J. A. Gudgen. Des. 87,114; June 7.
Doll. P. Harris. 1,868,166; July 19.
Doll. C. E. Heilbron. Des. 86,121–2; Feb. 2.
Doll. L. L. Jennings. Des. 86,676; Apr. 5.
Doll. G. Krueger. Des. 88,799; Dec. 27.
Doll. G. Moore. 1,863,427; July 19.
Doll. J. Rosenfeld. Des. 87,136; June 7.
Doll. M. Sanders. 1,876,433; Sept. 6.
Doll. M. Sanders. 1,880,109; Sept. 27.
Doll. M. Schultz. Des. 86,481; Mar. 8.
Doll. S. H. Vann. Des. 87,371; July 12.
Doll and pillow, Combined. C. Shapiro. 1,867,422; July 12.
Doll. Clot. C. O'N. Schuler. 1,875,355; Sept. 6.
Doll construction. A. M. Katz. 1,876,458; Sept. 6.
Doll construction. E. G. Schaeffer. 1,859,175; May 17.
Doll eyes. A. Marcus. Re18,382; Jan. 19.
Doll eyes with lashes. A. Konoff. 1,843,612; Feb. 2.
Doll head and movable eye system therefor. A. Konoff. 1,874,762; Aug. 30.
Doll or similar article. C. Bennett. Des. 86,696; Apr. 12.
Doll or similar article. M. Fleischer. Des. 86,224–5; Feb. 16.
Doll or similar article and support for same, Combined. H. M. Gindle. Des. 87,418; July 19.
Doll, Puppet. W. Dallas. 1,865,305; June 28.
Doll structure. N. Paganello. 1,892,360; Dec. 27.
Doll's eyes. A. Konoff. 1,877,377; Aug. 9.
Doll's eyes with lashes. A. Konoff. 1,846,060; Feb. 23.
Dolls, Rolling eye set for. M. De Cesare. 1,861,051; May 31.
Dolly. C. W. Peters. 1,853,318; Apr. 12.
Dolly. Airplane service. I. A. Weaver and W. A. Ross. 1,883,156; Oct. 18.
Dolly and return trackway. H. Kramer. 1,883,964; Oct. 25.
Dolly, Pipe. J. P. Marcy. 1,891,995; Dec. 27.
Dome for vehicle tanks, Expansion. A. A. Kramer. 1,878,304; Sept. 6.
Dome head arrangement for car tanks. V. Willoughby. 1,876,188; Sept. 6.
Dome, Oil saving. F. Sievern and E. M. Lynch. 1,859,606; May 24.
Domestic appliance. R. L. Lee. 1,856,487; May 3.
Domestic appliance. R. L. Lee. 1,865,867; July 5.
Domestic appliance. R. L. Lee. 1,889,032; Nov. 29.
Domestic boiler. E. C. Stauffer. 1,876,475; Sept. 6.
Door. P. Bilton. 1,855,470; Apr. 26.
Door. M. Briskin. 1,853,955–9; Apr. 12.
Door. F. V. Cooper. 1,889,638; Nov. 29.
Door. F. Humer. 1,847,965; Mar. 1.
Door. D. C. Hungerford. 1,868,233; July 19.
Door. C. G. Johnson. 1,869,347; July 26.
Door. J. Mitchell. 1,872,489; Aug. 16.
Door. J. W. Reed. 1,876,730; Sept. 13.
Door. G. A. Spiller and G. T. Johnson. 1,869,029; July 26.
Door. S. A. Wilde. 1,873,088; Aug. 23.
Door, Access. M. P. Potter. 1,871,342; Aug. 9.
Door actuating and retaining mechanism. W. A. Jackson. 1,843,820; Feb. 2.
Door adjuster. A. and L. Gaul. 1,850,872; Mar. 22.
Door and chest structure, Chest. C. F. Sloberg. 1,850,939; Mar. 22.
Door and conveyer control. Furnace. H. G. McIlvried and K. B. West. 1,892,643; Dec. 27.
Door and frame, Wood. J. A. Andrews. 1,842,084; Jan. 19.
Door and latch construction. P. E. Breneman. 1,856,689; May 3.
Door and locking means therefor, Car. A. Campbell. 1,886,788; Nov. 8.
Door and passage of cinematographic apparatus. M. Conrads. 1,881,352; Oct. 4.
Door and the like, Hollow metal. O. E. Zenker. 1,857,076; May 3.
Door and window frame construction. S. H. Boyd. 1,862,880; June 14.
Door and window ventilator, Automobile. J. W. Rabourn. 1,852,898; Apr. 5.
Door apparatus, Fire. A. Hutton and S. Miller. 1,863,054; June 14.
Door arrangement, Overhead. E. J. Heinen. 1,875,599; Sept 6.
Door arresting mechanism, Double. A. O. Johnson. 1,875,873; Sept. 6.
Door assembly, Corner. L. W. Kennedy. 1,848,891; Mar. 8.
Door attachment for vehicles. J. S. Bedford. 1,891,496; Dec. 20.
Door, Automatic. F. L. Morse and R. V. Morse. 1,878,796; Sept. 20.
Door, Automatic. A. P. Nelson. 1,863,497; June 14.
Door badge, Fresh flower. L. E. Roberts. 1,866,423; July 5.
Door bottom, Shiftable. H. W. Cummer. 1,851,813; Mar. 29.
Door, Box car. M. H. Owen. 1,882,029; Oct. 11.
Door, Box car. J. A. Shafer. 1,855,145–6; Nov. 1.
Door, Bulkhead. R. B. Alvarez. 1,841,774; Jan. 19.
Door bumper and the like. I. D. Perry. 1,884,828–33; Oct. 25.
Door bumper and the like. I. D. Perry. 1,884,835–8; Oct. 25.
Door, Car. A. S. Barrows. 1,851,693; Mar. 29.
Door, Car. A. S. Barrows. 1,878,365; Sept. 20.
Door, Car. G. B. Dorey. 1,865,747; July 5.
Door, Car. D. Hanlon. 1,852,410; Apr. 5.
Door, Car. J. P. McWilliams and F. Ditchfield. 1,881,827; Oct. 11.
Doorcheck. T. H. Banfield. 1,877,639; Sept. 13.
Doorcheck. A. B. Beitman. 1,861,679; June 7.
Doorcheck. F. K. Eastman. Re18,347; Mar. 29.
Doorcheck. P. K. Eastman. 1,859,225; Mar. 22.
Doorcheck. G. Eaton. 1,879,664; Sept. 27.
Door check. W. B. Fulton. 1,869,415; Aug. 2.
Doorcheck. B. J. Griffin. 1,852,669–225; 5. Mar.
Door check. G. E. Grimm. 1,847,550; Mar. 1.
Doorcheck. O. Johnson. 1,851,101; Mar. 29.
Doorcheck. L. J. Lishness. 1,876,986; Sept. 13.
Doorcheck. H. R. Lowe. Re. 87,753; Sept. 13.
Door check. W. F. Moore. 1,848,371; Mar. 8.
Door check. W. F. Moore. 1,848,574; Mar. 8.
Door check. L. W. Robertson. 1,869,316; July 26.
Doorcheck. J. A. H. Siers. 1,888,543; Nov. 22.
Doorcheck. E. G. Simpson. 1,852,905; Apr. 5.
Door check. E. E. Stephens. 1,871,566; Aug. 16.
Doorcheck. T. S. Williams. 1,843,352; Feb. 2.
Doorcheck and closer. W. Anderson. 1,892,200; Dec. 27.
Door check and closer. E. Bommer. 1,859,363; May 24.
Door check and closer. E. Bommer. 1,859,763; May 24.
Doorcheck and closer. E. Bommer. 1,871,030; Aug. 9.
Door check or closer, Automatic. F. F. Kuhl. 1,873,650; Aug. 23.
Door check or stop. K. J. Tobin. 1,874,386; Aug. 30.
Door checking device. F. M. Franklin. 1,872,561; Aug. 16.
Door closer. I. E. Beeler. 1,881,114; Oct. 4.
Door closer. G. Demo. 1,880,870; Oct. 4.
Door closer and check. B. S. Bernhard. 1,840,558; Jan. 12.
Door closing and checking device. L. C. Norton. 1,886,897; Nov. 8.

Door closing device. J. H. Von Gartzen. 1,833,173; Oct. 18.
Door closing device, Automatic. W. R. Melmer. 1,849,209; Mar. 29.
Door closing device for cars. W. F. Dietrichson. 1,876,637; Sept. 13.
Door closure and operating mechanism. C. C. Tomkinson. 1,871,095; Aug. 9.
Door, Coke oven. F. B. Hobart. 1,874,290; Aug. 30.
Door, Coke oven. R. E. Umbel. 1,850,609; Oct. 4.
Door, Combined glazed and screen. A. G. Kroenke. 1,859,974; May 24.
Door, Compound. W. P. Sievers. 1,876,772; Sept. 13.
Door construction. A. P. Ball. 1,876,589; Sept. 13.
Door construction. V. E. Davidson. 1,845,743; Feb. 16.
Door construction. F. Ditchfield. 1,863,969; June 21.
Door construction. E. C. Loetscher. 1,847,121; Mar. 1.
Door construction and operating mechanism therefor. A. T. Prescott. 1,871,081; Aug. 9.
Door construction, Car. F. C. Reinen and K. J. Tobin. 1,868,977; July 26.
Door construction, Car. J. F. O'Connor. 1,859,712; May 24.
Door construction, Car. K. J. Tobin and W. W. Darrow. 1,865,222; June 28.
Door construction, Car. K. J. Tobin and W. W. Darrow. 1,870,268; Aug. 9.
Door construction for hopper cars. A. Campbell. 1,855,181; Nov. 1.
Door construction, Oven. T. E. Taylor. 1,872,020; Aug. 16.
Door construction, Overhead. E. R. Lynch. 1,886,490; Nov. 8.
Door construction, Panel. W. H. King. 1,857,310; May 10.
Door construction, Railway car dump. A. Campbell. 1,839,644; Jan. 5.
Door construction, Steel. R. A. Nelson. 1,887,819; Nov. 15.
Door control, Automatic anti-holdup. D. Seitzman. 1,872,545; Aug. 30.
Door control, Chute. C. H. Chubbuck. 1,883,569; Oct. 18.
Door control device, Jail. H. D. Garber and W. W. Meier. 1,864,347; June 21.
Door control mechanism. S. P. Wiegner. 1,872,201; Aug. 16.
Door control mechanism. A. E. Wilson. 1,886,999; Nov. 8.
Door control system. P. R. Forman. 1,849,516; Mar. 15.
Door control, Vehicle. C. A. Breit. 1,840,020; Jan. 5.
Door controlling structure. O. K. Kjolseth. 1,861,277; May 31.
Door depository, Revolving. C. F. Sioberg. 1,851,546; Mar. 29.
Door dovetail. A. P. Ball. 1,842,373; Jan. 26.
Door dovetail. H. T. Thomas. 1,891,289; Dec. 20.
Door draft stop, Automatic. W. J. Dennis. 1,853,338; Apr. 12.
Door, Dry kiln. O. F. Sbattuck. 1,846,366; Feb. 23.
Door, Dump wagon. J. D. Benbow and J. B. Green. 1,871,652; Aug. 16.
Door edge switch, Sensitive. P. R. Forman. 1,890,809; Dec. 13.
Door, Electrical screen. C. D. Hager. 1,848,625; Mar. 8.
Door elevating means. F. C. Heinen. 1,882,842; Oct. 18.
Door elevating means, Car. C. Lute. 1,881,768; Oct. 11.
Door elevating mechanism. W. A. Beauchamp and A. Wasberg. 1,874,227; Aug. 30.
Door elevating mechanism. A. Wasberg. 1,858,844; May 17.
Door, Elevator. A. A. Allen. 1,872,054; Aug. 16.
Door, Elevator. H. R. Grable. 1,873,574; Aug. 23.
Door engaging. L. P. Hynes. 1,865,913; July 5.
Door, Fire. J. O. Sanders. 1,846,149; Feb. 23.
Door, Fire. S. P. Smurr. 1,843,633; Feb. 2.
Door, Foldable. R. H. Vansant. 1,878,034; Sept. 20.
Door, Foldable. R. H. Vansant. 1,878,073; Sept. 20.
Door for automatic oil burners, Automatic opening and closing furnace. A. H. Klahn. 1,876,962; Sept. 13.
Door for automobiles. La M. Bresse. 1,855,621; Apr. 26.
Door for box cars, Grain. A. J. Ketterling. 1,866,041; July 5.
Door for coke ovens, Self-sealing. J. Van Ackeren. 1,873,076; Aug. 23.
Door for cylindrical receptacles. H. C. Ellis. 1,883,646; Oct. 18.
Door for furnace coal hoppers. T. C. Walker, jr. 1,854,680; Apr. 19.
Door for hangars and the like. E. H. McCloud. 1,861,748; June 7.
Door for motion picture apparatus, Film. L. Goldhammer 1,870,188; Sept. 27.
Door for motor cars or like vehicles. D. G. Mackenzie. 1,855,860; Apr. 26.
Door for rabbit hutches. J. L. Kleckner. 1,857,246; May 10.
Door for railway cars, Drop. G. G. Gilpin. 1,862,522; June 14.
Door for railway cars, Drop. G. G. Gilpin. 1,863,134–5; June 14.
Door for railway cars, Drop. G. G. Gilpin. 1,870,905; Aug. 9.
Door for railway cars, Drop. A. E. Small. 1,844,078; Feb. 9.
Door for railway cars, Hopper. G. G. Gilpin. 1,859,296; May 24.
Door for retorts and the like, Quick opening and closing. C. P. Astrom. 1,871,824; Aug. 16.
Door for shower cabinets. F. and I. Himmel. 1,844,361; Feb. 9.
Door for stoves. H. Herrenbruck. 1,868,322; July 19.
Door frame and door for sheet metal structure. F. W. Meckleburg. 1,885,561; Nov. 22.
Door, Frame, and fastening device, Oven. H. E. Dunkle and J. Becker. 1,878,680; Sept. 20.
Door, Freight car. A. S. Home. 1,862,932; June 14.
Door, Full collapsible fan-type revolving. R. L. Blanchard. 1,890,365; Dec. 6.
Door, Furnace. H. B. Abel. 1,861,334; May 31.
Door, Furnace. D. F. Miller. 1,851,287; Oct. 4.
Door, Garage. O. L. Dautrick. 1,843,480; Feb. 2.
Door, Garage. W. D. Ferris. 1,888,456; Nov. 22.
Door, Garage. A. J. Swanson and J. R. Gardner. 1,863,509; June 14.
Door, Garage, barn, and warehouse. F. B. Dickason. 1,843,973; Feb. 9.
Door glass guide. P. W. Sullivan. 1,874,717; Aug. 30.
Door, Grain car. A. B. H. Baker. 1,888,213; Nov. 22.
Door handle. W. E. Burkholder. 1,841,570; Jan. 19.
Door handle. G. J. Hann, jr. 1,878,394; Sept. 20.
Door handling machine, Coke oven. F. L. Sabin. 1,870,213; Aug. 2.
Door holding device. H. L. Asbury. 1,853,595; Apr. 12.
Door holding device. L. A. Bittorf. 1,880,711–13; Oct. 4.
Door holding device. L. Saives. 1,842,734; Jan. 26.
Door hook. R. C. Lowe and L. R. Hage. 1,852,353; Apr. 5.
Door, Hopper. J. S. Swann. 1,850,361; Mar. 22.
Doorknob. E. Ellingsworth. 1,840,706; Jan. 12.
Doorknob. W. R. Schlage. 1,853,782; Apr. 12.
Doorknob lock. H. L. Arste. 1,876,576; Sept. 13.
Door knocker. W. E. Cox. 1,889,698; May 17.
Doorlock. F. Beal. 1,845,646; Feb. 16.
Doorlock. W. A. Beauchamp. 1,877,263; Sept. 13.
Door lock. O. P. Cramer. 1,851,694; July 19.
Door lock. A. Dina. 1,856,091; May 3.
Doorlock. T. Fleming. 1,862,672; June 14.
Doorlock. F. D. Hensley. 1,840,746; Jan. 12.
Doorlock. C. Hoffman. 1,855,021; Apr. 19.
Doorlock. J. Holland. 1,869,639; Aug. 2.
Door lock. J. Holtzman. 1,878,220; Sept. 20.
Doorlock. C. Johnstone. 1,877,331; Sept. 13.
Doorlock. H. Junkers. 1,882,643; Oct. 11.
Doorlock. A. G. Lyons and G. N. Mason. 1,855,608; Apr. 26.
Door lock. E. L. McKinney. 1,868,880; July 26.
Door lock. C. L. Pass. 1,885,942; Nov. 1.
Doorlock. A. V. Rowe. 1,873,488; Aug. 23.
Doorlock. J. A. Rymer. 1,843,143; Feb. 2.
Door lock. R. N. Smith. 1,865,217; June 28.
Doorlock and dovetail, Combined auto. W. J. Seelinger. 1,863,032; June 14.
Door lock, Automatic safe. P. E. Pyle. 1,870,746; Aug. 9.
Door lock, Car. R. N. Smith. 1,840,746; Jan. 12.
Door lock, Car. C. R. Vegren. 1,883,165; Oct. 18.
Doorlock, Coin controlled. G. J. McLaren. 1,877,929; Sept. 20.
Door lock, Dumbwaitter. I. Attias 1,873,918; Aug. 23.
Door lock, Electric. A. H. Goedecke. 1,851,355; Mar. 29.
Doorlock, Operator. A. Marple. 1,887,635; Nov. 15.
Doorlock, Refrigerator. J. Miller. 1,887,210; Nov. 8.
Doorlock, Rotary. D. E. Murphy and S. Schneider. 1,877,017; Sept. 13.
Door lock, Sliding. J. D. Smith. 1,875,768; Sept. 6.
Door lock, Sliding. E. J. Vogt. 1,846,822; Feb. 23.
Doorlock with multiple action, Spring. M. Fuber. 1,885,707; Nov. 1.
Door locking device. H. W. Shontz. 1,888,184; Nov. 15.
Doorlocks, Attachment for. W. E. Kelly. 1,844,767; Feb. 9.
Doormat. R. B. Brown. Des. 87,457; Aug. 2.
Doormat. S. Steinmetz. 1,885,638; Nov. 1.
Door mechanism. C. Lute and K. J. Tobin. 1,879,369; Sept. 27.
Door mechanism. S. D. Rosenfelt. 1,878,892; Sept. 20.
Door mechanism. C. C. Tomkinson. 1,883,118; Oct. 18.
Door mechanism, Car. C. Peterson. 1,867,792; July 19.
Door mechanism, Car. W. E. Wine. 1,846,576; Feb. 23.
Door mechanism, Car. W. E. Wine and B. W. Kadel. 1,867,789; July 19.
Door, Metal. G. B. Determann. 1,844,817; Feb. 9.
Door, Mirror-equipped cabinet. B. M. Hess. 1,881,576; Oct. 11.
Door motor. L. P. Hynes. 1,851,431; Mar. 29.
Door nailing strip, Grain. A. W. L. Hartbauer. 1,853,680; Apr. 12.
Door of cast metal, Hopper. G. G. Gilpin. 1,844063; Feb. 9.
Door of road vehicles. L. Saives. 1,857,696; May 10.
Door opening and closing apparatus, Garage. A. Strochalen. 1,858,942; May 17.
Door opening device, Automatic. A. Vispo. 1,842,888; Jan. 26.
Door opening mechanism. W. Lapatoff. 1,839,232; Jan. 5.
Door opening mechanism, Garage. E. A. and W. J. Rebischke. 1,842,998; Jan. 26.

Door operating and locking means, Garage. E. W. Schuckman. 1,883,017; Nov. 15.
Door operating and locking mechanism. F. G. Butler. 1,888,217; Nov. 22.
Door operating apparatus. F. E. Lewis. 1,871,711; Aug. 16.
Door operating device. J. L. Christopher. 1,877,386; Sept. 13.
Door operating device. P. Smith. 1,848,978; Mar. 8.
Door operating device, Electrical. H. W. Shonnard and H. F. Richardson. 1,842,896; Jan. 26.
Door operating means. C. W. Gorman. 1,854,584; Apr. 19.
Door operating means, Automatic. L. H. Gross. 1,842,522; Jan. 26.
Door operating mechanism. C. W. Bassett. 1,849,417; Mar. 15.
Door operating mechanism. P. R. Forman. 1,874,483; Aug. 30.
Door operating mechanism. J. J. Mariotti. 1,874,562; Aug. 30.
Door operating mechanism. J. J. Mariotti. 1,875,631; Sept. 6.
Door operating mechanism. F. L. Morse. 1,862,860; June 14.
Door operating mechanism. I. B. Robertson. 1,879,507; Sept. 27.
Door operating mechanism. E. L. Rose. 1,881,016; Oct. 4.
Door operating mechanism. S. W. Rousseau. 1,870,964–5; Sept. 9.
Door operating mechanism. H. Rowntree. 1,891,359; Dec. 20.
Door operating mechanism. F. A. and C. L. Siggins. 1,849,887; Mar. 15.
Door operating mechanism. C. Zebrowski. 1,873,243; Aug. 23.
Door operating mechanism, Electrical. J. E. Kunde. 1,865,925; July 5.
Door operating mechanism, Elevator. H. V. McCormick. 1,856,718; May 3.
Door operating mechanism, Elevator. M. W. Talen. 1,859,959; June 28.
Door operating mechanism, Hopper car. T. W. Elder, jr., and A. Kassler. 1,876,404; Sept. 6.
Door operating mechanism, Pneumatic. C. Norton. 1,887,212; Nov. 8.
Door operating system. H. A. Lewis. 1,841,611; Jan. 19.
Door operator. S. E. Buettell. 1,857,938; May 10.
Door operator. J. B. Haskell. 1,859,364; May 24.
Door operator. C. Norton. 1,871,338; Aug. 9.
Door operator. R. S. Noelle. 1,872,043; Aug. 16.
Door, Operator and control means therefor. D. J. Stewart. 1,875,771; Sept. 6.
Door operator, Electric. E. R. Meissner. 1,848,136; Mar. 8.
Door operator, Electric. H. W. Shennard. 1,863,417; June 14.
Door operator, Multicar. E. E. Arnold. 1,870,828; Aug. 9.
Door or the like, Folding garage. B. J. Triller. 1,876,798; Sept. 13.
Door or window. W. D. Ferris. 1,873,367; Aug. 23.
Door or window construction. E. W. Spink. 1,848,673; Mar. 8.
Door or window screen. A. Thurwanger. 1,887,740; Nov. 15.
Door oscillating device. E. W. Reutener. 1,887,517; Nov. 15.
Door, Oven. W. J. Kirby. 1,885,357; Nov. 1.
Door, Overhead. O. E. Brower. 1,848,311; Mar. 8.
Door, Overhead. H. R. Eklund. 1,888,162; Nov. 15.
Door, Overhead garage. W. D. Ferris. 1,860,387; May 31.
Door, Overhead garage. W. D. Ferris. 1,879,798; Sept. 27.
Door panel construction. S. Madsen. 1,881,778; Oct. 11.
Door panels of fibrous materials, Making. E. C. Loetscher. 1,866,312; July 5.
Door, Pass type elevator. P. R. Saurer. 1,872,350; Aug. 16.
Door pillar and the like. I. D. Perry. 1,884,834; Oct. 25.
Door pillar and the like. I. D. Perry. 1,884,998; Oct. 25.
Door pillar and the like. I. D. Perry. 1,886,974; Nov. 8.
Door, Pressed metal. G. Trautvetter. 1,880,590; Oct. 4.
Door reenforcement. A. Yurkovitch. 1,865,146; July 5.
Door, Refrigerator. H. H. Belding. 1,876,596; Sept. 13.
Door, Refrigerator. G. E. Friedrich. 1,855,953; Apr. 26.
Door, Refrigerator. E. H. Norwood. 1,850,514; Mar. 22.
Door, Refrigerator. W. G. Seeger. 1,858,906; May 17.
Door, Refrigerator display case. C. V. Hill. 1,867,074; July 12.
Door retainer, Automobile. J. F. O'Brien. 1,839,583; Jan. 5.
Door, Rolling. W. M. Ginder. 1,892,570; Dec. 27.
Door saddle. J. Coco. 1,890,672; Dec. 13.
Door securing mechanism. E. H. Carlson. 1,858,804; May 17.
Door, Sliding and swinging. H. R. Grable. 1,852,608; Apr. 5.
Door, Sliding refrigerator car. A. Wasberg and K. J. Tobin. 1,883,149; Oct. 18.
Door, Sterilizer. H. J. Heins. 1,858,013; May 10.
Door, Stock car. F. M. Gunn. 1,877,236; Sept. 13.
Door stop. I. A. Baum. 1,864,577; June 28.
Doorstop. R. W. Lane. 1,858,711; May 17.
Doorstop. W. E. Wegner. 1,887,365; Nov. 8.
Door stop and the like. I. D. Perry. 1,884,827; Oct. 25.
Door stop and the like. I. D. Perry. 1,884,997; Oct. 25.
Doorstop plate. H. D. Norring. 1,852,854; Apr. 5.
Door structure. A. L. Abbott, and W. C. and C. A. Miller. 1,873,247; Aug. 23.
Door structure. C. H. Hofstetter. 1,861,010; May 31.
Door structure, Car. C. Lute and K. J. Tobin. 1,846,036; Feb. 23.
Door structure, Disappearing. A. Vanderveld. 1,882,375; Oct. 11.
Door structure, Double. W. A. Barnes. 1,842,708; Jan. 26.
Door structure, Foldable. F. A. Guth. 1,892,340; Dec. 27.
Door structure for grain bins or the like. R. B. Brandl. 1,841,360; Jan. 19.
Door structure, Sliding. L. A. Bittorf. 1,856,235; May 3.
Door system, Elevator. N. O. Lindstrom. 1,872,770; Aug. 23.
Door, Trawl. R. F. Symonds. 1,842,634; Jan. 26.
Door, Vehicle. A. S. Campbell. 1,880,783; Oct. 4.
Door, Vertically movable hinged panel. W. R. Headley. 1,857,756; May 10.
Door with glass-covered opening, Rolling. H. C. Armstrong. 1,892,562; Dec. 27.
Door worker. W. Brugmann. 1,857,936; May 10.
Doors, Device for operating bulkhead. D. Wiese. 1,846,293; Feb. 23.
Doors, Device for operating and controlling folding. J. G. Stoddard. 1,889,159; Nov. 29.
Doors in automobile bodies, Hanging. A. S. Campbell. 1,865,673; July 5.
Doors, Operating mechanism for. W. A. Neese. 1,891,051; Dec. 13.
Doors, panels, and the like, Making veneered. E. C. Loetscher. 1,863,800; June 21.
Dope jar, Forced feed tubular. L. Day and E. Weinheim. 1,851,538; Mar. 29.
Dose measuring device for liquid dispensing containers. J. E. Mass. 1,881,772; Oct. 11.
Dosing mixtures, Apparatus and method for preparing and proportioning. W. H. Green. Re18,610; July 5.
Dot insertion. E. K. Sandeman and L. E. Currah. 1,875,935; Sept. 6.
Double disk brake. F. E. Lockyear. 1,845,505; Feb. 16.
Double ended clothespin. A. C. Hopkins. 1,875,461; Sept. 6.
Double exposure process. M. Handschiegl. 1,860,737; May 31.
Double grid tube. W. J. Kimmell. 1,853,687; Apr. 12.
Double-indicating double-recording gauge. M. M. Borden. 1,878,460; Sept. 20.
Double-jet controller device. H. L. Griggs and A. R. Mabey. 1,880,247; Oct. 4.
Double roll crusher. R. H. Beaumont. 1,847,859; Mar. 1.
Double throw switch. H. J. Hammerly. 1,889,358; Nov. 29.
Double warp frame. F. Wagner. 1,873,686; Aug. 23.
Doubling and twisting machine. F. Klein. 1,887,207; Nov. 8.
Douche and internal bath, Sanitary. A. Marubio. 1,887,359; Nov. 8.
Douche apparatus. R. H. Moore. 1,861,932; June 7.
Douche, Vaginal. M. S. Corbett. 1,868,728; July 26.
Douche, Water-closet. K. Thomas. 1,886,920; Nov. 8.
Dough, Apparatus for working, developing and conditioning. H. H. Hackstedde. 1,851,388; Mar. 29.
Dough, Apparatus for the mechanical kneading of. O. Kremmling. 1,881,364; Oct. 4.
Dough cutter. I. S. Mosher. 1,856,042; Apr. 26.
Dough cutting mechanism. L. Giuffre. 1,882,139; Oct. 11.
Dough dispensing device. C. R. Schoel. 1,870,654; Aug. 9.
Dough dispensing machine, Adjustable. F. L. Schoel. 1,856,511; May 3.
Dough divider. G. B. Eggert. 1,871,261; Aug. 9.
Dough dividing and kneading machine. G. Rausch. 1,851,323; Mar. 29.
Dough dividing and kneading machine. G. Rausch. 1,876,022; Sept. 6.
Dough dividing and rolling machine, Automatic. G. Rausch. 1,892,350; Dec. 27.
Dough dividing and working machine, Automatic. O. Kremmling. 1,858,831; May 17.
Dough dividing machine. P. Blum. 1,850,762; Mar. 24.
Dough dividing machine. A. P. and F. S. Ward. 1,847,150; Mar. 1.
Dough elevator mechanism. S. Schiff. 1,850,637; Mar. 22.
Dough handling apparatus. F. H. Van Houten. 1,869,033; July 26.
Dough into uniform weights, Method and apparatus for dividing. J. Garvey. 1,840,578; Jan. 12.
Dough kneader. C. D. Pierre. 1,845,329; Feb. 16.
Dough leveling machine. M. Collis. 1,854,109; Apr. 12.
Dough mixing machine. L. H. Davis. 1,857,361; May 10.
Dough mixing machine. W. F. Dehuff. 1,874,920; Aug. 30.
Dough molding apparatus. F. X. and E. J. Lauterbur. 1,870,257; Aug. 9.
Dough molding device. E. J. Sternberg. Re18,545; July 26.

Dough molding machine. F. X. and E. J. Lauterbur. 1,870,256; Aug. 9.
Dough molding machine. J. Paris. 1,852,160; Oct. 11.
Dough, packaging biscuit. C. Lorber. 1,857,162; Nov. 8.
Dough, Packeting. L. B. Willoughby. Re13,426; Apr. 19.
Dough rolling machine. G. E. Ward and O. S. Palmer. 1,878,352; Sept. 20.
Dough working device. W. G. Kirschoff. 1,860,252; May 24.
Dough working device. W. G. Kirchhoff. 1,866,213; July 5.
Doughnut and its manufacture, Sugared. H. M. Blinn. 1,855,818; Apr. 26.
Doughnut cooking device. A. B. Lewis. 1,888,928; Nov. 22.
Doughnut former. F. M. Roehl. 1,879,951; Sept. 27.
Doughnut former. P. J. Toews. 1,866,332; July 5.
Doughnut forming machine. F. L. Schoel. 1,866,061; July 5.
Doughnut machine. I. S. Mosher. 1,855,922; Apr. 26.
Doughnut machine and the like. C. E. Carpenter. 1,847,293; Mar. 1.
Doughnut machine and the like. C. E. Carpenter. 1,867,307; July 12.
Doughnuts and their manufacture, Sugared. F. E. Morris. 1,880,459; Oct. 4.
Dovetail. H. B. Haskins. 1,875,453; Sept. 6.
Dovetail. W. Stutson. 1,840,061; Jan. 5.
Dovetail for doors, Antiratttle. G. W. Kerr. 1,888,826; Nov. 22.
Dovetail for doors, Antiratttle. R. G. Moore. 1,840,786; Jan. 12.
Dovetail for doors, Antiratttle. R. G. Moore. 1,878,881; Sept. 20.
Dovetail for doors, Antiratttle. R. G. Moore. 1,888,830; Nov. 22.
Dovetail for doors, Antiratttle. R. G. Moore and A. Claud-Mantle. 1,840,785; Jan. 12.
Dovetail for doors, Self-adjusting anti-ratttle. R. G. Moore. 1,888,829; Nov. 22.
Dovetailing attachment. C. B. Dart. 1,860,660; May 31.
Dowel, Pattern maker's. R. L. Johnson. 1,885,204; Nov. 1.
Dowser. A. Dina. 1,885,419; Nov. 1.
Draft and pressure gauge, Multiple. A. B. Cunningham and A. F. Spitzglass. 1,870,000; Aug. 2.
Draft apparatus, Induced. H. W. Pfeffer. 1,882,519; Oct. 11.
Draft appliance and the like. C. E. Carpenter. 1,848,316; Mar. 8.
Draft appliance for locomotives. A. W. Bruce. 1,853,893; Apr. 12.
Draft attachment. W. L. Paul. 1,852,537; Apr. 5.
Draft attachment. W. L. Paul. 1,877,579; Sept. 13.
Draft attachment. E. H. Schmidt and L. Spence. 1,859,538; May 24.
Draft attachment for railway vehicles. E. H. Schmidt. 1,889,762; Dec. 6.
Draft attachment for railway vehicles. E. H. Schmidt. 1,890,303; Dec. 6.
Draft conditioner. H. Goldberg. 1,850,064; Mar. 15.
Draft conditioner, Automatic. H. Goldberg. 1,856,054; Apr. 26.
Draft control apparatus, Stack. I. T. Martin. 1,851,318; Mar. 29.
Draft control, Automatic. B. Valjean. 1,864,223; June 21.
Draft controller, Electric. L. M. Persons. 1,889,613; Nov. 29.
Draft control for heaters. W. L. Spiker. 1,840,474; Jan. 12.
Draft control for tunnel kilns. H. A. Evans. 1,867,066; July 12.
Draft control means. L. M. Persons. 1,848,653; Mar. 8.
Draft controlling device, Automatic. W. A. Hannum. 1,870,505; Aug. 9.
Draft device for ground working implements, Yieldable. C. W. Robinson. 1,892,007; Dec. 27.
Draft device for mowers. T. W. Paul. 1,885,786; July 5.
Draft equalizer. V. B. Eakin. 1,877,650; Sept. 13.
Draft equalizer. F. J. Tichota. 1,840,754; Jan. 12.
Draft gauge. C. W. Watkins. 1,869,727; Aug. 2.
Draft hood. K. Bohn. 1,887,575; Nov. 15.
Draft means for automatic stokers, Forced. L. L. Hinsch. 1,876,933; Sept. 13.
Draft mechanism provided with endless belts, High. F. Casablancas. 1,854,691; Apr. 19.
Draft motor. P. Giorgio. 1,864,938; June 28.
Draft pin. M. F. Quigley. 1,876,021; Sept. 6.
Draft plate. J. F. Duffy. 1,840,938; Jan. 12.
Draft producer. W. Banfield. 1,870,483; Aug. 9.
Draft regulating apparatus for furnaces. W. N. Lurcott. 1,890,296; Dec. 6.
Draft regulation, Automatic. W. B. Sturgis. 1,848,850; Mar. 8.
Draft regulator. H. W. Heyman. 1,869,964; Aug. 2.
Draft regulator. F. F. Wulf. 1,871,644; Aug. 16.
Draft rigging. D. S. Barrows. 1,843,860; Feb. 2.
Draft rigging. D. S. Barrows. 1,845,220; Feb. 16.
Draft rigging. D. S. Barrows. 1,852,142-3; Apr. 5.
Draft rigging. D. S. Barrows. 1,866,919; July 12.
Draft rigging. D. C. Davis. 1,884,594; Oct. 25.
Draft rigging for railway cars. C. J. Nash. 1,861,505; June 7.
Draft rigging, Railway. C. E. Dath. 1,871,362; Aug. 9.
Draft rigging, Railway. W. A. Geiger. 1,847,477; Mar. 1.
Draft rigging, Railway. W. A. Geiger. 1,871,451; Aug. 16.
Draft rigging, Railway. S. B. Haseltine. 1,859,099; May 24.
Draft rigging, Railway. S. B. Haseltine. 1,882,837; Oct. 18.
Draft rigging, Railway. J. F. O'Connor. 1,858,519; May 17.
Draft rigging, Railway. J. F. O'Connor. 1,860,113; May 24.
Draft rigging, Railway. J. F. O'Connor. 1,871,385; Aug. 9.
Draft rigging, Railway. J. F. O'Connor. 1,871,422; Aug. 9.
Draft rigging, Railway. J. F. O'Connor. 1,874,058; Aug. 30.
Draft rigging, Railway. E. R. Schulz. 1,850,694; Mar. 22.
Draft stabilizer. L. C. Beadle. 1,868,486; July 26.
Draft stabilizer. E. A. Field and E. A. Field, jr. 1,873,567; Aug. 23.
Draft tube. L. F. Moody. 1,853,137-8; Apr. 12.
Draft tube. L. F. Moody. 1,859,215; May 17.
Draft screen, Portable. E. D. McCombie. 1,891,002; Dec. 13.
Drafting instrument. C. F. Golden. 1,869,358; Aug. 2.
Drafting instrument. A. M. Saltnass. 1,858,343; May 17.
Drafting machine. E. Husy. 1,843,424; Feb. 2.
Drafting machine. V. Kublmann. 1,877,340; Sept. 13.
Drafting table. J. W. Hurych. 1,847,398; Mar. 1.
Draftsman's table. C. F. Clausen. 1,887,288; Nov. 8.
Draftsman's vernier protractor. A. Davie. 1,864,341; June 21.
Drag, Sewer. F. H. Sawyer. 1,847,985; Mar. 1.
Dragbead, Self adjusting. F. C. Scheffauer. 1,840,606; Jan. 12.
Drain. D. W. Carter. 1,848,767; Mar. 8.
Drain, Automatic. G. H. Lecarpentier. 1,852,246; Apr. 5.
Drain, Bathtub. P. G. Broix. 1,867,725; July 19.
Drain device. J. P. Ruth, jr. 1,867,926; July 19.
Drain device for sensitized plates. H. E. Kendig. 1,846,576; Feb. 23.
Drain fixture. W. S. Fleming. 1,858,268; May 17.
Drain, Floor. H. J. Luff and W. J. Luff. 1,878,946; Sept. 20.
Drain, Floor. O. C. Schmidt. 1,844,443; Feb. 9.
Drain, Gutter or roof. E. W. N. Boosey. 1,862,134; June 7.
Drain outlet. L. W. Harrington. 1,839,757; Jan. 5.
Drain pan. B. Jacobs. 1,876,420; Sept. 6.
Drain, Sewer. J. E. Simpson. 1,867,927; July 19.
Drain, Superpotential C. B. Hall. 1,873,212; Aug. 30.
Drain, Suspended excess potential. C. E. Bennett. 1,843,011; Jan. 26.
Drainage apparatus. C. L. Day. 1,857,362; May 10.
Drainage for roofs and skylights. A. Shuman. 1,865,401; June 28.
Drainer, Can. A. R. Thompson. 1,843,995; Feb. 9.
Drainer, Can. A. R. Thompson. 1,843,997; Feb. 9.
Drainer, Dish. G. Kalenoff. 1,889,146; Nov. 29.
Drainer, Flower pot. E. Filkington. 1,884,204; Oct. 25.
Drapery and heading hook. D. M. Sarkisian. 1,841,061; Jan. 12.
Drapery carrier. R. D. W. Vroom. 1,855,036; Apr. 19.
Drapery hanger. H. P. Jones. 1,868,944; July 26.
Drapery hook. S. B. Knight. 1,843,611; Feb. 2.
Drapery suspension device. C. W. Kirsch. 1,876,061; Sept. 6.
Drawbar. D. F. Ainslie. 1,850,310; Mar. 22.
Drawbar. R. C. Bulkley. 1,855,513; Apr. 26.
Drawbar. W. S. Fix. 1,862,956; June 14.
Drawbar. M. D. Klise. 1,848,955; Mar. 8.
Draw-bar apparatus for trailers. D. S. Weiss. 1,875,969; Sept. 6.
Drawbar carrier. H. E. Van Dorn. 1,878,032; Sept. 20.
Drawbar for implements. N. R. Krause. 1,848,359; Mar. 8.
Drawbar for vehicles. F. V. Russell. 1,889,297; Nov. 29.
Drawbar, Swinging. H. H. Glasier. 1,840,501; Jan. 12.
Drawbench. R. D. Palmer and R. L. Jeffers. 1,870,419; Aug. 9.
Draw-cut shaper table. H. E. Morton. 1,889,930; Dec. 6.
Draw hook. H. P. Groha. 1,859,671; Apr. 26.
Drawknife. J. J. Brown. 1,840,151; Jan. 5.
Draw press. B. H. Hawkins. 1,844,250; Feb. 9.
Draw work. H. L. Turney. 1,880,222; Oct. 4.
Draw works. J. D. Nixon. 1,848,432; Mar. 8.
Draw works. W. A. Ross. 1,884,875; Oct. 25.
Drawworks. Rotary. D. S. Faulkner and E. Timbs. 1,850,401; June 14.
Drawer and making the same, Cash. T. M. Butler. 1,840,485; Jan. 12.
Drawer and signal therefor, Cash. T. M. Butler. 1,854,178; Apr. 19.
Drawer, Cabinet filing. P. A. Bredsvold. 1,887,882; Nov. 15.
Drawer, Collapsible. L. H. Morin. 1,854,345; Apr. 19.
Drawer construction for show and stock cases. A. J. Hecht. 1,868,101; July 19.
Drawer construction for stoves. W. F. and J. C. Rogers. 1,865,212; June 28.

Drawer, Display rack. F. F. and H. Kutzschbach. 1,841,827; Jan. 19.
Drawer, File. R. L. Hanson. 1,867,218; July 12.
Drawer for furniture. J. Bodenstein. 1,876,557; Sept. 13.
Drawer for kitchen sinks. J. R. Sieber and G. R. Elwell. 1,879,888; Sept. 27.
Drawer for refrigerating apparatus, Storage. C. E. Long. 1,888,041; Nov. 15.
Drawer lock. H. R. Rosendahl. 1,845,335; Feb. 16.
Drawer match folder, Cash. J. Q. Sherman and A. W. Metzner. 1,852,483; Apr. 5.
Drawer mechanism, Cash. J. R. Showers. 1,849,809; Mar. 15.
Drawer release mechanism. J. Q. Sherman. 1,856,971; May 3.
Drawer, Vertical filing. F. L. G. Straubel. 1,892,020; Dec. 27.
Drawing bench. J. F. Diehl. 1,861,563; June 7.
Drawing board. W. Dreifuss. 1,855,628; Oct. 18.
Drawing board. D. H. Larkin. 1,849,493; Mar. 15.
Drawing board, Adjustable. E. Eriksen. 1,845,868; Feb. 16.
Drawing board and attached straight edge, Rotatable. A. La France. 1,843,824; Feb. 2.
Drawing compound and the like. C. Kocour. 1,884,749; Oct. 25.
Drawing furnace. R. Z. Hopkins, A. E. Fellers, and H. D. Raymond. 1,841,533; Jan. 19.
Drawing furnace. J. H. Knapp. 1,881,682; Oct. 11.
Drawing instrument. A. M. Allred. 1,863,091; June 14.
Drawing instrument. K. D. Hamilton and E. Hurst. 1,848,750; Feb. 9.
Drawing instrument, Combination. J. C. Sommer. 1,885,149; Nov. 1.
Drawing press. K. Bohle. 1,886,935; Nov. 8.
Drawing press. A. A. Byerlein. 1,888,450; Nov. 22.
Drawing press. O. Kühnert. 1,857,648; May 10.
Drawing press or the like. R. Thoreson. 1,891,121; Dec. 13.
Drawing table. R. Nestler. 1,859,456; May 24.
Drawing wheel. W. H. Ellis. 1,873,697; Sept. 20.
Dredge. A. M. Lockett. 1,861,340; May 31.
Dredge. W. B. Macaulay. 1,878,252; Sept. 20.
Dredge. W. B. Macaulay. 1,887,101; Nov. 8.
Dredge. G. G. Fowtal. 1,839,929; Jan. 5.
Dredging, excavating, and conveying materials. A. G. Rotinoff. 1,854,383; Apr. 19.
Dredging machine. J. Geiger. 1,846,549; Feb. 23.
Dress. J. Carr. 1,887,867; Nov. 15.
Dress. R. Boetzel. Des. 86,010; Jan. 19.
Dress. R. Boetzel. Des. 86,298; Feb. 23.
Dress. I. Brenner. Des. 86,191–2; Feb. 16.
Dress. F. M. R. Burns. Des. 85,909; Jan. 5.
Dress. J. Cambous. Des. 88,073; Oct. 25.
Dress. R. Feintuch. Des. 86,223; Feb. 16.
Dress. J. Ferranti. Des. 86,117; Feb. 2.
Dress. P. E. Fields. Des. 86,075; Oct. 25.
Dress. P. E. Fields. Des. 88,514; Dec. 6.
Dress. G. Gans. Des. 86,018; Jan. 19.
Dress. B. Geffen. Des. 86,083; Jan. 26.
Dress. W. Gordon. Des. 86,362; Mar. 1.
Dress. M. Greenberg. Des. 85,382; Jan. 5.
Dress. J. Griffith. Des. 85,934; Jan. 5.
Dress. J. Griffith. Des. 86,022; Jan. 19.
Dress. I. Holt. Des. 86,232; Feb. 16.
Dress. I. Holt. Des. 86,372–3; Mar. 1.
Dress. C. Howard. Des. 86,027; Jan. 19.
Dress. M. L. James. Des. 87,215; June 21.
Dress. J. Kohn. Des. 87,927; Oct. 11.
Dress. J. Kohn. Des. 88,097; Oct. 25.
Dress. C. Kurtz. Des. 86,243; Feb. 16.
Dress. A. W. Lasher. Des. 85,943; Jan. 5.
Dress. D. Long. Des. 86,089; Jan. 26.
Dress. D. Long. Des. 86,248–9; Feb. 16.
Dress. D. Long. Des. 86,254–5; Feb. 16.
Dress. D. Long. Des. 86,464; Mar. 8.
Dress. D. Long. Des. 87,223–4; June 21.
Dress. D. Long. Des. 87,269–70; June 28.
Dress. M. Marye. Des. 86,258; Feb. 16.
Dress. S. Milstein. Des. 87,789; Sept. 20.
Dress. S. Milstein. Des. 88,567; Dec. 6.
Dress. M. Morles. Des. 86,399; Mar. 1.
Dress. J. Shapiro. Des. 86,416; Mar. 1.
Dress. E. Silverman. Des. 87,809; Sept. 20.
Dress. A. S. Simpson. Des. 88,114; Oct. 25.
Dress. A. Smithline. Des. 86,282–3; Feb. 16.
Dress. G. Stern. Des. 86,146; Feb. 2.
Dress. M. Vettori. Des. 86,423; Mar. 1.
Dress. M. Wolff. Des. 86,097; Jan. 26.
Dress. M. Wolff. Des. 86,188; Feb. 9.
Dress. J. Xifo. Des. 86,069; Jan. 19.
Dress, Ensemble. J. Brollet. Des. 86,078; Jan. 26.
Dress, Ensemble. J. Goldsmith. Des. 86,352; Mar. 1.
Dress, Ensemble. M. Greenberg. Des. 85,933; Jan. 5.
Dress, Ensemble. L. Lenkowsky. Des. 86,380; Mar. 1.
Dress, Ensemble. D. Long. Des. 86,250–3; Feb. 16.
Dress, Ensemble. D. Long. Des. 86,323; Feb. 23.
Dress, Ensemble. D. Long. Des. 87,070; May 31.
Dress, Ensemble. D. Long. Des. 87,119; June 7.
Dress, Ensemble. H. Shorter. Des. 86,113; Jan. 25.
Dress, Ensemble. A. Smithline. Des. 86,281; Feb. 16.
Dress, Ensemble. A. Smithline. Des. 86,587; Mar. 22.
Dress hanger. H. A. Enrich. 1,887,501; Nov. 15.
Dress, Reversible. A. J. Greenwich. 1,841,474; Jan. 19.
Dress, Uniform. O. A. Berman. 1,885,047; Oct 25
Dresser, Corner. M. M. Wheeler. Des. 88,331; Nov. 15.
Dresser, Corner vanity. M. M. Wheeler. Des. 88,330; Nov. 15.
Dresser, Vanity. H. S. Meldahl. 1,866,314; July 5.
Dresser, Vanity. H. S. Meldahl. 1,891,680; Dec. 20.
Dressing chair, Child's. V. C. Palmer. Des. 87,077; May 31.
Dressing device for grinding elements. H. D. Colman. 1,850,201; Mar. 22.
Dressing mechanism. E. W. Bullock and H. J. White. 1,863,234; Oct. 4.
Dressing table. W. P. Newkirk. Des. 86,736; Apr. 12.
Dressing table. G. Van De Riet. Des. 88,179; Nov. 1.
Drier; *See*—
Centrifugal drier.
Clothes drier.
Coal drier.
Film drier.
Fruit drier.
Hair drier.
Hose drier.
Hosiery drier.
Laundry hanger drier.
Paper drier.
Return current drier.
Rice drier.
Rotary drier.
Rotary drum drier.
Sand drier.
Sludge drier.
Spray drier.
Steam cylinder drier.
Tray drier.
Drier. T. Allsop. 1,841,927; Jan. 19.
Drier. K. E. Bell. 1,885,506; Nov. 1.
Drier. J. Judelson. 1,853,061; Apr. 12.
Drier. R. Sadwith. 1,888,573; Nov. 22.
Drier, Adjustment for. L. B. West. 1,854,570; Apr. 19.
Drier and heater, Dish. H. Nielsen. 1,847,256; Mar. 1.
Drier arrangement, Steam. C. H. True. 1,884,393; Oct. 25.
Drier attachment, Stocking. L. W. Galloway. 1,889,198; Nov. 29.
Drier clamp closer, Automatic hosiery. H. F. Wanamaker. 1,880,547; Oct. 4.
Drier device. W. C. Uhri, Jr. 1,848,400; Mar. 8.
Drier for fiber board. F. S. Farley. 1,883,887; Oct. 25.
Drier for food products. A. P. D. Belanger. 1,864,178; June 21.
Drier for indoor use, Clothes. A. Wolf. 1,883,219; Oct. 18.
Drier for paper making machines. H. E. Holcomb. 1,844,658; Feb. 9.
Drier for printed sheets and the like. J. H. Vincent. 1,851,478; Apr. 12.
Drier for typewriting machines and the like. H. S. Basow. 1,842,775; Jan. 26.
Drier or blower. J. E. Kelley. 1,868,905; July 26.
Drier or dust extractor from gases, Steam. F. K. O. Moyaan. 1,867,465; July 12.
Drier, Rotary drum. M. J. Kermer. 1,884,727; Oct. 25.
Drier table leveling mechanism, Automatic hosiery. H. F. Wanamaker. 1,880,548; Oct. 4.
Drift by aircraft, Apparatus for determination of. T. C. Lonnquest and C. L. Seward, jr. 1,859,569; May 24.
Drill; *See*—
Boring drill.
Coal drill.
Core drill.
Cutter drill.
Deep hole drill.
Earth boring drill.
Electric drill.
Hammer drill.
Hitch drill.
Mining drill.
Percussive drill.
Portable drill.
Power braked mobile drill.
Radial drill.
Rock drill.
Rotary drill.
Rotary and reciprocatory drill.
Seed drill.
Stoping drill.
Well drill.
Drill. C. H. M. Bull. 1,876,041; Sept. 6.
Drill. J. V. Emmons. 1,859,202; May 17.
Drill. J. V. Emmons. 1,887,374; Nov. 8.
Drill. J. M. Hargrave. 1,881,892; Oct. 11.
Drill. G. G. Harrington. 1,879,222; Sept. 27.
Drill. G. F. Hickman. 1,887,640; Nov. 15.
Drill. H. C. Norley. 1,866,902; July 12.
Drill. H. C. Norley. 1,867,950; July 19.
Drill. H. C. Norley. 1,870,135; Aug. 2.
Drill. L. M. Pearce and W. L. Church. 1,872,328; Aug. 16.
Drill. L. M. Pearce and W. L. Church. 1,884,182; Oct. 25.
Drill. J. A. Perusick. 1,887,698; Nov. 15.
Drill. W. C. Rea. 1,859,342; May 24.
Drill and like implement and making same. J. V. Emmons. 1,847,302; Mar. 1.
Drill and pipe pulling machine. V. Prajer. 1,855,116; Apr. 19.
Drill and underreamer. G. F. Dillon. 1,854,369; Apr. 19.
Drill and underreamer, Combined. G. B. Sipe. 1,887,895; Nov. 15.
Drill bit. B. K. Appleman. 1,882,268; Oct. 11.
Drill bit. C. S. Bickner. 1,878,114; Sept. 20.
Drill bit. O. Duda. 1,858,988; May 17.
Drill bit. G. H. Gilman. 1,873,757; Aug. 23.
Drill bit. C. B. Lang. 1,881,024; Oct. 4.
Drill bit. W. L. Pearce. 1,876,740; Sept. 13.
Drill bit. J. Pechacek. 1,851,261; Mar. 29.
Drill bit. F. L. Pivoto. 1,878,292; Sept. 20.
Drill bit. W. F. Seifert. 1,887,037; May 8.
Drill bit. H. M. Wheeler. 1,856,896; May 3.
Drill bit, Expansion. A. E. Carlson. 1,866,082; July 5.
Drill bit, Rotary. L. M. Brigham. 1,882,545; Oct. 11.

Drill bit, Separable. T. V. Buckwalter. 1,876,565; Sept. 13.
Drill chuck. F. M. Higby. 1,867,359; July 12.
Drill chuck. G. M. Nell. 1,862,761; June 14.
Drill collar. F. J. Hinderliter. 1,848,128; Mar. 8.
Drill column. L. C. Bayles. 1,879,030; Sept. 27.
Drill column clamping means. J. C. Klausmeyer. 1,875,017; Aug. 30.
Drill controlling apparatus. W. A. Ross. 1,866,131; July 5.
Drill coverer, Corn. M. O. Honer. 1,882,603; Oct. 11.
Drill cutter. W. W. Hampton. 1,874,041; Aug. 30.
Drill cutter. E. A. Reed. 1,873,327; Aug. 23.
Drill dust arrester. S. Dikant. 1,850,317; Mar. 22.
Drill for dental purposes. R. Funke. 1,862,955; June 14.
Drill grinding machine, Twist. V. Verecek. 1,856,025; Nov. 1.
Drill head, Automatic. W. K. Millholland. 1,841,546; Jan. 19.
Drill head, Automatic. S. C. Watson. 1,850,299; Mar. 22.
Drill head for core barrels. R. P. Simmonds. 1,880,215; Oct. 4.
Drill head, Multiple. H. R. Krueger. 1,884,752; Oct. 25.
Drill heads, Feed slide for interchangeable. D. C. Klausmeyer. 1,859,778; May 24.
Drill hitch mechanism. P. W. Schwab. 1,866,912; July 12.
Drill holes from the vertical, Apparatus for indicating excessive deviation of. J. J. Jakosky. 1,850,399; Mar. 22.
Drill jar. J. N. Kaumans and E. Bridges. 1,882,149; Oct. 11.
Drill, or the valveless type, Rock. A. G. Slatcher. 1,849,208; Mar. 15.
Drill pipe. M. S. Black. 1,843,199; Feb. 2.
Drill pipe and propeller shaft. P. H. Granger. 1,839,844; Jan. 5.
Drill rod. A. Schmalz. 1,845,061; Feb. 16.
Drill seal. F. Yungling. 1,859,611; May 24.
Drill spanners, Inverted joint rotary. G. A. Montgomery. 1,889,872; Dec. 6.
Drill stem, its tube and collar, Rotary. G. A. Montgomery. 1,889,871; Dec. 6.
Drill tool joint. B. L. Peterson. 1,879,856; Sept 27.
Drilling and reaming device. F. L. Seitz. 1,869,514; Aug. 2.
Drilling apparatus. E. G. Gartin. 1,884,650; Oct. 25.
Drilling apparatus. B. Granville. 1,865,853; July 5.
Drilling apparatus. M. P. Holmes. 1,866,932; July 12.
Drilling apparatus. H. C. Johansen. 1,866,934; July 12.
Drilling apparatus. H. C. Johansen. 1,884,716; Oct. 25.
Drilling apparatus. E. M. Lopez. 1,859,767; Jan. 5.
Drilling apparatus. W. J. Newman. 1,848,192; Mar. 8.
Drilling, Apparatus for automatic well. H. Hayes. 1,853,681; Apr. 12.
Drilling apparatus for large wells. J. J. Gault. 1,879,177; Sept. 27.
Drilling apparatus, Rotary. F. W. Hild. 1,878,141; Sept. 20.
Drilling bit. W. A. Abegg. 1,848,403; Mar. 8.
Drilling bit. E. M. Erlandson. 1,859,660; May 24.
Drilling bit. E. W. Forrow. 1,879,563; Aug. 9.
Drilling bit. V. J. Kubin and P. Funderburk. 1,843,096; Jan. 26.
Drilling bit, Hydraulic rotary. M. C. Yeaman. 1,860,214; May 24.
Drilling bit, Self guiding. W. P. Cole. 1,869,843; Aug. 2.
Drilling control, Automatic. R. D. Wyckoff. 1,859,814; May 24.
Drilling equipment. W. D. Grant. 1,870,725; Aug. 9.
Drilling equipment, Well. W. S. Gattrell. 1,853,856; Apr. 12.
Drilling machine. J. F. Buhr. 1,872,400; Aug. 16.
Drilling machine. W. E. Carr. 1,843,121; Feb. 2.
Drilling machine. A. Cicilloni. 1,877,370; Jan. 19.
Drilling machine. J. E. Horste. 1,865,567; July 5.
Drilling machine. A. Hossfeld. 1,888,668; Nov. 22.
Drilling machine. E. J. Kingsbury. 1,855,375; June 28.
Drilling machine. J. W. Lee. 1,883,993; Oct. 25.
Drilling machine, Horizontal. F. W. Haeger. 1,861,055; May 31.
Drilling machine, Rotary. L. E. Zerbe and D. S. Faulkner. 1,876,126; Sept 6.
Drilling machine, Vertical continuous. F. M. Davis. 1,877,277; Sept. 13.
Drilling mechanism. H. Blount. 1,880,728; Oct. 4.
Drilling mechanism. E. G. Gartin. 1,884,648–9; Oct. 25.
Drilling mechanism. R. E. Hall. 1,848,018; Mar. 8.
Drilling mechanism. T. R. E. Rundqvist. 1,862,496–7; June 7.
Drilling mechanism. F. W. Vodoz. 1,840,339; Jan. 12.
Drilling mechanism. F. W. Vodoz. 1,871,638; Aug. 16.
Drilling mechanism. F. W. Vodoz. 1,878,036; Sept. 20.
Drilling mechanism. F. W. Vodoz. 1,878,074; Sept. 20.
Drilling mechanism, Multiple. W. W. Smith. 1,861,099; May 31.
Drilling method and automatic control therefor, Hydraulic. K. C. Sclater and E. O. Bennett. 1,884,297; Oct. 25.
Drilling or tapping machine. E. L. Connell. 1,852,736; Apr. 5.
Drilling rig. W. J. Mitchell. 1,881,413; Oct. 4.
Drilling, Rotary. F. I. Epley. 1,881,176; Oct. 4.
Drills, Blowing arrangement for. G. M. Nell. 1,845,806; Feb. 16.
Drills, Feeding device for rock. W. A. Smith, sr. 1,844,873; Feb. 9.
Drills from the vertical, Apparatus for measuring deviation of rotary. J. J. Jakosky. 1,889,921; Dec. 6.
Drills, Method and apparatus for sharpening core. J. M. Schmissrauter and J. E. Harris. 1,853,581; Apr. 12.
Drills, Restoring. J. F. Salmon. 1,841,685; Jan. 19.
Drills, Slip rotation for rock. B. R. Sheets. 1,852,339; Apr. 5.
Drink accessory, Iced. A. C. Knecht. 1,847,879; Mar. 1.
Drink dispenser. S. T. Dure. Des. 87,907; Oct. 11.
Drink dispensing apparatus, Coin-controlled. H. M. Austin. 1,864,175; June 21.
Drink mixer. R. A. Bibb and A. P. Jorganson. 1,843,315; Feb. 2.
Drink mixer. H. D. Fiegel. 1,839,666; Jan. 5.
Drink mixer. W. A. Stroud. Des. 87,893; Oct. 4.
Drink mixer. W. A. Stroud. 1,846,405; Feb. 23.
Drinking fountain. J. F. Blaich. Des. 87,616; Aug. 23.
Drinking fountain. H. P. De Witt. Des. 86,597; Mar. 29.
Drinking fountain, Poultry. J. Gay and A. Brinker. 1,862,217; June 7.
Drinking glass. A. E. Sehlbach. Des. 87,417; July 19.
Drinking glass. J. E. Spence. Des. 86,945; Mar. 15.
Drinking tank, Farm stock. C. Burnett. 1,865,829; July 5.
Drip-catching attachment for bottles. J. A. Pipkin. 1,891,892; Dec. 20.
Drip collector, Self-sealing one-piece. S. M. Frenkel. 1,864,059; June 21.
Drip strip. E. J. Welch. 1,884,441; Oct. 25.
Drip tray. V. Fina. 1,840,441; Jan. 12.
Drive, Adjustable speed electric motor. F. W. Gay. 1,843,922; Feb. 9.
Drive, Air screw. B. C. Carter. 1,854,329; Apr. 19.
Drive, Automatic variable friction. A. J. Holman. 1,862,750; June 14.
Drive, Band saw pulley. P. Avilla. 1,863,822; June 21.
Drive, Belt. T. G. Nyborg and M. F. Higgins. 1,877,194; Sept. 13.
Drive, Chain. C. P. Kottlowski. 1,877,338; Sept. 13.
Drive, Chain. A. C. Woodbury. 1,841,925; Jan. 19.
Drive chucks, Equalizing mechanism for axle lathe. R. H. Hodson. 1,845,130; Feb. 16.
Drive, Coating machine. A. D. Evans. 1,867,631; May 10.
Drive connection. P. T. Black and W. P. Boettner. 1,868,594; July 26.
Drive control for planters. G. M. Kriegbaum and D. M. Morris. 1,864,509; June 21.
Drive control, Roll. C. F. Robinson, jr. 1,848,663; Mar. 8.
Drive control system for clockworks, meters, and the like. F. Marti. 1,860,260; May 24.
Drive, Eccentric cam. W. Newhouse. 1,859,457; May 24.
Drive, Electric vehicle. F. Prantl. 1,853,283; Apr. 12.
Drive, Electromechanical wheel. C. A. Norman. 1,840,407; Jan. 12.
Drive, Electromotor. E. Wesnigk. 1,862,248; June 7.
Drive, Engine. P. S. Mahen. 1,848,638; Mar. 8.
Drive, Engine starter. W. L. McGrath. 1,890,741; Dec. 13.
Drive, Flyback ratchet. J. O. Davis. 1,876,135; Sept. 6.
Drive for a printing member, inking device and guard. R. G. Whitlock. 1,870,430; Aug. 9.
Drive for a router or the like, Frictional. G. H. Carlson. 1,859,947; Dec. 6.
Drive for adding machines, Electric. N. White. 1,861,618; June 7.
Drive for automobiles, Free wheeling. E. J. Reaves. 1,868,254; July 19.
Drive for calculating machines, Electric. A. A. Horton. 1,853,035; Apr. 12.
Drive for cycle printing machines, Textile. S. B. Stafford and H. A. Smith. 1,852,272; Apr. 5.
Drive for conveyer systems, Equalizing. J. B. Webb., D. A. Blair, and C. A. Sink. 1,847,152; Mar. 1.
Drive for electric lighting systems and other purposes, Car axle. C. F. Gerlinger. 1,884,657; Oct. 25.
Drive for feed grinder drags, Friction. G. R. De Yarman. 1,861,303; May 31.
Drive for flat bosiery frames, Auxiliary. P. Liberknecht. 1,867,705; July 19.
Drive for grinding machines and the like, Universal. A. Storm and T. Thorsen. 1,888,480; Nov. 22.
Drive for hot metal mixers, Auxiliary. F. E. Kling. 1,892,309; Dec. 27.
Drive for limit switches and the like. H. V. Harding. 1,867,453; July 19.
Drive for looms, Positive shuttle. J. M. Graef. 1,872,275; Aug. 16.
Drive for machine tools, Spindle. A. E. Jacobs. 1,839,316; Jan. 5.
Drive for milling machines and the like, Hydraulic table. J. P. Ferris. 1,874,265; Aug. 30.
Drive for motion picture machines, Friction. L. S. Fraprier and E. Boecking. 1,857,780; May 10.
Drive for motor vehicles, Multiple transmission shaft. K. R. Manville. 1,886,823; Nov. 8.
Drive for motor vehicles, Triangular. A. F. Masury. 1,858,781; May 17.

Drive for paper machines, Winder. D. R. Francis. 1,868,285; July 19.
Drive for paper making machines. B. A. Malkin. 1,840,590; Jan. 12.
Drive for planers, Fluid. W. Ferris and G. H. Fobian. 1,843,082; Jan. 26.
Drive for press rolls or the like. T. Harvey. 1,892,573; Dec. 27.
Drive for presses employed for shaping tiles and other articles. F. G. Gatensbury. 1,856,096; May 3.
Drive for radio apparatus, Variable condenser. J. Q. Gaubert. 1,889,781; Dec. 6.
Drive for shaft and cam actuated members of flat-full fashioned machines, Vibration free. P. Lieberknecht. 1,857,099; May 3.
Drive for slicing machines. J. Folk. 1,846,855; Feb. 23.
Drive for slicing machines, Power. J. Folk. 1,865,243; June 28.
Drive for sound records, Synchronous. A. Oranges. 1,841,877; Jan. 19.
Drive for spinning and twister frames, Reversible spindle. J. F. Jackson. 1,848,424; Mar. 8.
Drive for spinning and twisting frames, Reversible spindle. J. F. Jackson. 1,848,423; Mar. 8.
Drive for spinning and twisting machines, Reversible spindle. J. Perry, jr. 1,851,937; Mar. 29.
Drive for the speed governor of a prime mover. I. C. Martin. 1,884,043; Oct. 25.
Drive for two wheel chassis, Front wheel. A. F. Masury. 1,856,642; Nov. 3.
Drive for washing machines or the like. J. L. Perkins and H. D. Croft. 1,877,581; Sept. 13.
Drive for web printing and cutting mechanisms, Electric motor. C. B. Cottrell. 1,886,527; Nov. 8.
Drive for web printing, folding and cutting mechanism, Electric motor. C. B. Cottrell. 1,886,526; Nov. 8.
Drive for web printing, longitudinal folding and transverse cutting mechanism, Electric. C. B. Cottrell. 1,886,525; Nov. 8.
Drive for web printing mechanism, Electric motor. C. B. Cottrell, 3d. 1,886,528; Nov. 8.
Drive, Front wheel. F. H. Assm. 1,852,226; Apr. 5.
Drive, Front wheel. R. M. Barnhart. 1,873,810; Aug. 23.
Drive, Front wheel. W. C. Wolforth. 1,884,474; Oct. 25.
Drive, Hydraulic. M. Heimberger. 1,844,251; Feb. 9.
Drive means for corn harvesters. A. Krieg. 1,890,465; Dec. 13.
Drive, Mechanical. W. J. Drucker. 1,839,744; Jan. 5.
Drive mechanism. E. E. Deister. 1,879,923; Sept. 27.
Drive mechanism and artificial bait. J. R. Smith. 1,846,854; Jan. 12.
Drive mechanism, Chain. F. L. Morse. 1,849,684; Mar. 15.
Drive mechanism, Differential. J. Gabli. 1,886,668; Nov. 8.
Drive mechanism, Dual. J. P. Rathbun. 1,864,217; June 21.
Drive mechanism for amusement cars, Steering wheel. F. L. Markey. 1,853,738; Apr. 12.
Drive mechanism for automobiles, Differential. M. E. King. 1,852,974; Apr. 5.
Drive mechanism for automobiles, Differential. M. E. King. 1,869,154; July 26.
Drive mechanism for gas meters, Compensating. A. Herz. 1,881,572; Oct. 11.
Drive mechanism for motor vehicles. A. G. Rayburn. 1,867,078; July 12.
Drive mechanism for motor vehicles, Front. O. Zancan. 1,859,351; May 24.
Drive mechanism for the rolls of rolling mills. P. Müller. 1,864,090; June 21.
Drive mechanism for tractors and the like. J. J. Tracy and E. B. Palmer. 1,842,217; Jan. 19.
Drive mechanism for worm drive shovels, Traction. H. E. Brey. 1,883,874; Oct. 25.
Drive mechanism, Outboard. D. J. Jacques. 1,845,712; Feb. 16.
Drive mechanism, Propeller. C. S. Hall. 1,868,975; July 26.
Drive, Motorcycle speedometer. E. A. Gustafson. 1,848,060; Mar. 1.
Drive, Press. H. A. W. Wood. 1,870,546; Aug. 9.
Drive, Press unit. H. A. W. Wood. 1,883,256; Oct. 18.
Drive, Pump. A. M. Babitch. 1,857,676; May 10.
Drive ring and making the same. T. D. Nathan. 1,850,684; Apr. 22.
Drive, Starter. C. Ringwald. 1,862,806; June 14.
Drive system for motor vehicles, Front wheel. S. S. Guy. 1,866,311; May 3.
Drive system, Multiple unit electric. C. Field. 1,886,665; Nov. 8.
Drive, Traction. R. L. Brown. 1,855,334; Apr. 26.
Drive transmission, Friction. F. C. Mitchell. 1,852,360; Apr. 5.
Drive, Turntable. C. P. Wood. 1,881,393; Oct. 4.
Drive, Unidirectional. A. Chopin. 1,852,735; Apr. 5.
Drive unit, Front wheel, A. A. Clifton. 1,861,594; June 7.
Drive, Vehicle. A. I. Marcum. 1,857,248; May 10.
Drive, Washing machine. T. S. Watson. 1,865,656; July 5.
Drive, Washing machine. D. P. Wilson. 1,853,482; Apr. 12.
Drive Wheel. W. D. Sargent. 1,862,770; June 14.
Drive, Winch head. R. Ljungkull. 1,843,607; Feb. 2.
Drive, Worm. D. Kendall and W. D. Keller. 1,843,875; Feb. 2.
Driver, Pile. R. G. Salmon. 1,879,993; Sept. 27.
Driver, Post. F. Judd. 1,859,398; May 24.
Driver, Sheathing. E. L. Oldham. 1,847,135; Mar. 1.
Driver, Tool. J. C. Glenzer. 1,863,107; June 14.
Driving and actuating mechanism of butter churns. J. J. O'Connell and H. H. Kerr. 1,882,296; Oct. 11.
Driving and steering mechanism for wheeled toys. C. J. Moore. 1,860,477; July 5.
Driving and stopping mechanism. W. L. Dixon. 1,846,850; Feb. 23.
Driving apparatus for vehicles. C. R. Roche. 1,874,604; Aug. 30.
Driving apparatus for wells, Hydraulic. W. C. Bailey. 1,885,794; Nov. 1.
Driving box. F. M. A'Hearn and E. F. Richardson. 1,865,292; June 28.
Driving device for speed indicators. N. J. Vile. 1,850,949; Mar. 22.
Driving head for support posts. T. R. Willwerscheid. 1,875,687; Sept. 6.
Driving machine. G. D. Jones. 1,846,340; Feb. 23.
Driving means, Combined electrical and manual. A. S. Wheelbarger. 1,851,267; Mar. 29.
Driving means for applicators. C. F. and E. J. Seibert. 1,873,546; Sept. 27.
Driving means for rotary knives of paper machines. D. R. Francis. 1,853,267; Apr. 12.
Driving mechanism. T. A. Bryson. 1,866,291; July 5.
Driving mechanism. A. L. Ellis. 1,882,004; Oct. 11.
Driving mechanism. C. H. Froelich and R. J. McCarty, jr. 1,850,049; Dec. 6.
Driving mechanism. L. B. Green. 1,844,503; Feb. 9.
Driving mechanism. M. Kalischer. 1,847,006; Feb. 23.
Driving mechanism. A. G. Larson. 1,865,022; June 28.
Driving mechanism. C. Morrow. 1,869,859; Aug. 2.
Driving mechanism. H. Pfannenstiehl. 1,868,366; July 19.
Driving mechanism. J. M. Shimer. 1,862,807; June 14.
Driving mechanism, Flexible. F. W. Baker. 1,844,836; Feb. 9.
Driving mechanism for amusement apparatus. J. Whitely. 1,843,530; Feb. 2.
Driving mechanism for automatic printers and finishers for sensitized material, Variable. H. H. Sullivan. 1,860,212; May 24.
Driving mechanism for calculating machines. A. Baumann and C. P. Horlacher. 1,863,646; June 21.
Driving mechanism for churns. A. C. Hougland. 1,879,255; Sept. 27.
Driving mechanism for endless feed beds of woodworking machines and the like. F. J. Kistner. 1,841,481; Jan. 19.
Driving mechanism for laundry driers. R. D. Allemang. 1,847,325; Mar. 1.
Driving mechanism for long stroke Canadian pumps of oil well rigs. W. Steuble. 1,839,355; Jan. 5.
Driving mechanism for machine tools, such as planing machines, grinding machines, and the like. W. Link. 1,842,725; Jan. 26.
Driving mechanism for motor vehicles. F. E. Davis. 1,856,748; May 3.
Driving mechanism for motor vehicles. R. E. Fielder. 1,849,755; Mar. 15.
Driving mechanism for motor vehicles. J. Gabli. 1,885,427; Nov. 1.
Driving mechanism for printing presses. A. J. Cline. 1,877,387; Sept. 13.
Driving mechanism for rotary pumps. Turbine and motor. I. C. Jennings. 1,869,696; Aug. 2.
Driving mechanism for slicing machines. C. F. M. Van Eyck. 1,878,067; Sept. 20.
Driving mechanism for spinning and twisting machines. I. R. Rowe. 1,862,162; June 7.
Driving mechanism for the auxiliary apparatus of internal combustion engines. G. Pirinoli. 1,881,292; Oct. 4.
Driving mechanism for the roughing rolls of a card roughing machine. R. Beutner and A. Hille. 1,864,635; June 28.
Driving mechanism for valves and other devices. C. W. Kendall. 1,838,274; Nov. 24.
Driving mechanism of lubricating pumps. O. Hajek. 1,866,206; July 5.
Driving mechanism, Windlass and capstan. G. E. Barrett. 1,856,903; May 3.
Driving spur for golf clubs. W. J. Connell. 1,855,126; Apr. 19.
Driving system for loud speakers. H. Van Dam and D. H. Van Dam. 1,878,919; Sept. 20.
Driving tank. C. Mehl. 1,873,617; Aug. 23.
Driving unit for loud speakers. H. P. Kuehni. 1,866,361; July 5.
Driving unit for sound reproducers. A. Ringel. 1,871,739; Aug. 16.
Drop brake. T. K. Cummins. 1,877,730; Sept. 13.
Drop pit jack. H. K. Christie. 1,848,696; Mar. 8.
Drop wire hanger. J. H. Shope. 1,889,113; Nov. 29.
Dropper: *See*—
Eye dropper.
Dross, Proceeding and arrangement for making of foamy dry. L. von Reiche and J. Giersbach. 1,888,943; Nov. 22.
Drum. G. M. Robison. 1,845,625; Feb. 16.

Drum. Abrading, buffing or polishing. B. G. Kuhne. 1,885,452 ; Nov. 1.
Drum and making the same, Shipping. L. Lerio. 1,866,979 ; July 12.
Drum brake. P. L. Gumaer. 1,864,509 ; June 21.
Drum, Collapsible. A. L. Heston, F. J. Shook, and E. W. Evans. 1,877,746 ; Sept. 18.
Drum for airplanes, Rotating power. A. J. Evans. 1,850,925 ; Mar. 22.
Drum for heaters and cooking stoves, Composite. S. L. Willis. 1,851,994 ; Apr. 5.
Drum for vapors under pressure. H. J. Kerr. 1,878,709 ; Sept. 20.
Drum, Hinged forming. H. C. Bostwick. 1,866,391 ; July 5.
Drum magazine for machine guns and automatic small arms. O. A. Larsson and P. R. Higson. 1,846,034 ; Feb. 23.
Drum, Metal. P. Wolf. 1,885,899 ; Nov. 22.
Drum muffling and snare reasioning device. R. C. Sigler. 1,853,466 ; Apr. 12.
Drum roller mounting for concrete mixers. J. C. Merwin. 1,885,125 ; Nov. 1.
Drum, Rotary. K. E. E. Holzapfel. 1,857,785 ; May 10.
Drum, Sanding. C. L. Mattison. 1,885,123 ; Nov. 1.
Drum, Sanding. A. Pryale. 1,886,733 ; Nov. 8.
Drum sanding machine. E. C. Loetscher. 1,876,328 ; Sept. 6.
Drum screen, Rotary. A. M. Kivarl. 1,845,024 ; Feb. 16.
Drum, Segmental. H. C. Bostwick. 1,866,390 ; July 5.
Drum, Water cooled winding. L. J. Black. 1,879,049 ; Sept. 27.
Drum winder. K. Sieg. 1,888,810 ; Nov. 22.
Drumless boiler. G. Lasker. 1,887,854 ; Nov. 15.
Dry battery. O. B. Ruhoff and E. J. McEachron. 1,878,368 ; Sept. 20.
Dry-broke beater. H. Liebeck. 1,874,533 ; Aug. 30.
Dry cell. G. W. Heise. 1,855,831 ; Apr. 26.
Dry cell. H. Wirth. 1,839,498 ; Jan. 5.
Dry cell and seal therefor. W. G. Waitt. 1,885,786 ; Nov. 1.
Dry cell battery. A. K. Huntley. 1,855,677 ; Apr. 26.
Dry cell battery. A. K. Huntley. 1,863,794 ; June 21.
Dry cell of the flat type. G. W. Heise and E. A. Schumacher. 1,850,178 ; Dec. 6.
Dry cells, Making. W. D. Staley. 1,874,376 ; Aug. 30.
Dry cleaning apparatus. E. R. Welles and W. de John. 1,848,877 ; Feb. 9.
Dry-dust arrester, Centrifugal. R. B. Harper. 1,876,002 ; Sept. 6.
Dryer, Shoe dye. F. Jones. 1,884,978 ; Oct. 25.
Dry-ice. Using and storing. P. Schlumbohm. 1,885,769 ; Nov. 1.
Drying absent and manufacturing same. W. A. Hammond. 1,887,349 ; Nov. 8.
Drying and pressing machine. H. D. Forse. 1,839,472 ; Jan. 5.
Drying apparatus. J. B. Welch. 1,848,811 ; Mar. 8.
Drying apparatus and process. W. I. Sallee. 1,876,025 ; Sept. 6.
Drying apparatus, Rotary. H. L. Corwin. 1,873,995 ; Aug. 30.
Drying device. N. Testrup. O. Soderlund, and T. Gram. 1,846,857 ; Jan. 26.
Drying device for inked sheets, Automatic. H. M. Kannee. 1,883,795 ; Oct. 18.
Drying machine, Automatic. W. W. Sibson and H. H. Wigglesworth. 1,862,771 ; June 14.
Drying machine, Centrifugal. A. P. Brooks. 1,840,693 ; Jan. 12.
Drying method. D. L. Shanklin. 1,872,015 ; Aug. 16.
Drying parts, Apparatus for. A. Pearson. 1,871,339 ; Aug. 9.
Drying process. R. Elssner. 1,867,618 ; July 19.
Drying rack. D. C. Meyer and J. B. Olsen. 1,859,594 ; May 24.
Drying rack for washing and ironing. F. C. Yock. 1,891,463 ; Dec. 20.
Drying reel, Fish line. J. M. Butler. 1,877,444 ; Sept. 13.
Drying treatment. F. M. Clark. 1,866,346 ; July 5.
Dual control brakes. C. G. Geignetter. 1,874,493 ; Aug. 30.
Dual cycle engine. Supercharging. A. C. Peterson. 1,841,148 ; Jan. 12.
Duck call. F. J. Muehlstein. 1,855,527 ; Apr. 26.
Duct shield. G. C. Deake. 1,860,139 ; May 24.
Ductor roll timer. W. G. Humphrey. 1,872,739 ; Aug. 23.
Dumb waiter and dumb waiter inclosure unit. J. Hirshfeld. 1,867,568 ; July 19.
Dump body. C. W. Gredell. 1,859,666 ; May 24.
Dump body. R. E. Smith, R. J. Arnold, and R. O. Curfman. 1,845,352 ; Feb. 16.
Dump-bucket. 1,891,458 ; Dec. 20.
Dummy. Football blocking. B. F. Oakes. 1,884,816 ; Oct. 25.
Dumper, Rotary car. W. E. Erickson. 1,848,469 ; Mar. 8.
Dumping body. W. C. Anthony. 1,889,520 ; Nov. 29.
Dumping body construction, Three-way. E. R. Barrett. 1,883,474 ; Oct. 18.
Dumping body for automobile trucks. T. G. Jungersen. 1,867,844 ; July 19.
Dumping fork. W. J. Sullivan. 1,839,813 ; Jan. 5.
Dumping mechanism. C. G. Eisenberg, jr. 1,891,922 ; Dec. 27.
Duodenal or stomachal tube. M. Künsztler. 1,880,964 ; Oct. 4.
Duphenyl, Producing. J. N. Carothers. 1,875,317 ; Sept. 6.
Duplex repeater system. P. E. Teter. 1,841,856 ; Jan. 19.
Duplex riveting machine. A. R. Havener. 1,885,347 ; Nov. 1.
Duplicating device for typewriting machines. B. L. Henry. 1,889,657 ; Nov. 29.
Duplicating machine. J. E. Bath. 1,873,563 ; Aug. 23.
Duplicating machine. J. J. Flanigan. 1,844,547 ; Feb. 9.
Duplicating machine. J. J. Flanigan. 1,872,718–19 ; Aug. 23.
Duplicating machine. D. Gestetner. 1,872,727 ; Aug. 23.
Duplicating machine. L. Jensen. 1,861,120 ; May 31.
Duplicating machine. L. J. Sauer. 1,869,507 ; Aug. 2.
Duplicating machine. A. A. Tuppe. 1,857,582 ; Nov. 8.
Duplicating machine and stationery for use therein. B. A. Schroeder. 1,873,489 ; Aug. 23.
Duplicating machines, Automatic margin bar for. J. J. Flanigan. 1,844,245 ; Feb. 9.
Duplicating machines, Margin bar for. L. J. Sauer. 1,847,266 ; Mar. 1.
Duplicating material. J. Q. Sherman. 1,865,708 ; July 5.
Duplicating means and method. L. J. Sauer. 1,890,915 ; Dec. 13.
Duplicator. E. G. McCalmont. 1,884,788 ; Oct. 25.
Duplicator. L. J. Sauer. 1,869,509 ; Aug. 2.
Duplicator. J. L. Sherrill. 1,878,897 ; Sept. 20.
Duplicator feeding and alligning device. L. J. Sauer. 1,869,508 ; Aug. 2.
Dust and smoke screen, Interior. H. E. Umensetter. 1,854,677 ; Apr. 19.
Dust bag and coupling for vacuum cleaners. W. Barber. 1,871,024 ; Aug. 9.
Dust barrier. U. Taucher. 1,873,161 ; Aug. 23.
Dust cap and quick adjustable nut. R. Dymock. 1,861,846 ; June 7.
Dust catching and quenching device. F. H. McBerty. 1,885,926 ; Nov. 1.
Dust collecting apparatus for suction cleaners. D. B. Replogle. 1,887,601 ; Nov. 15.
Dust collecting system. S. W. Kirk, R. J. Blum, and W. R. Meuttman. 1,842,409 ; Jan. 26.
Dust collector. G. A. Boeckel. 1,868,876 ; July 26.
Dust collector. L. J. Drumgold. 1,870,947 ; Aug. 9.
Dust collector and shut-off cock, Combined. B. Hyanes. 1,871,214 ; Aug. 9.
Dust collector and shut-off valve, Combined. L. A. Safford and W. D. Tyler. 1,867,988 ; July 19.
Dust collector for cement mills. L. W. Olson and M. A. Kolb. 1,844,591 ; Feb. 9.
Dust distributing attachment. O. Hoelscher. 1,852,522 ; Apr. 5.
Dust from gases, Apparatus for separating. H. E. Breisford and N. L. Snow. 1,862,839 ; June 14.
Dust gun. E. Knapp and C. G. Allgrunn. 1,869,483 ; Aug. 2.
Dust handling apparatus, Furnace. F. B. Allen. 1,873,806 ; Aug. 23.
Dust handling system. R. E. Caller. 1,844,635 ; Feb. 9.
Dustpan. R. W. Tysick. 1,868,297 ; July 19.
Dust precipitation. F. Schurmeyer. 1,850,143 ; Mar. 22.
Dust puff. W. S. Parker. 1,865,785 ; July 5.
Dust remover. R. E. Hall. 1,840,411 ; Jan. 12.
Dust-remover for threshing-machines. W. Pilz. 1,854,954 ; Apr. 19.
Dust remover for tobacco feeds. R. E. Rundell. 1,846,904 ; Feb. 23.
Dust separation. A. F. Wendler. 1,847,368 ; Mar. 1.
Dust separator. W. A. Baldwin. 1,870,216 ; Aug. 9.
Dust separator. H. R. Ballou. 1,859,861 ; May 24.
Dust separator. A. McD. Duckham. 1,851,819 ; Mar. 29.
Dust separator. J. L. Jones. 1,886,884 ; Nov. 8.
Dust separator. L. P. Ross. 1,844,369 ; Feb. 9.
Dust separator control. L. C. Whiton, jr. 1,890,070 ; Dec. 6.
Duster, Compressed air. D. Tappan. 1,877,778 ; Sept. 20.
Duster, Flour. E. T. Parsons. 1,856,585 ; May 3.
Duster, towel, and similar cleaning pad device. A. A. Guerra. 1,847,047 ; Feb. 23.
Dusters or erasers, Device for cleaning. E. H. Tait. 1,844,722 ; Feb. 9.
Dusting and spraying machine. J. O. Gulledge. 1,846,198 ; Feb. 23.
Dusting apparatus. J. M. Brasington. 1,873,993 ; Aug. 30.
Dusting apparatus. C. D. Collins. 1,855,938 ; Apr. 26.
Dusting apparatus, Gun type. C. D. Collins. 1,854,449 ; Apr. 19.
Dusting machine. T. W. Gray, J. Lewis, and C. B. Lebon, jr. 1,862,896 ; June 7.
Dusting machine. E. Knapp and C. G. Allgrunn. 1,859,567 ; May 24.
Dusting machine. P. W. Lehman. 1,876,251 ; Sept. 6.
Dusting machine. R. W. and J. F. Ross. 1,851,406 ; Mar. 29.
Dusting machines Brush feed for. E. Knapp and C. G. Allgrunn. 1,864,740 ; June 28.
Dye and dyeing. D. A. W. Fairweather and J. Thomas. 1,886,947 ; Nov. 8.
Dye and making same. L. P. Dove. 1,877,748 ; Sept. 13.
Dye and making same, Azo. E. F. Grether. 1,880,433 ; Oct. 4.

Dye and making same, Pyranthrone vat. W. M. Murch, 1,884,122; Oct. 25.
Dye and making the same, Oil soluble. H. E. Buc. 1,841,876; Jan. 19.
Dye and producing the same, Stilbene. C. A. Lyford. 1,878,501; Sept. 20.
Dye composition. L. Philippe. 1,889,491; Nov. 29.
Dye, Fast azo. E. F. Greuier. 1,872,033; Aug. 16.
Dye from diphenyloxide, derivatives, Azo. E. F. Grether. 1,872,034; Aug. 16.
Dye from substituted anilides of 2.3 hydroxynaphthoic acids, Azo. E. F. Grether and L. E. Mills. 1,872,035; Aug. 16.
Dye intermediates and derived azo-dyes. E. F. Grether. 1,871,914; Aug. 16.
Dye jigger machine. H. J. Crick. 1,873,740; Aug. 23.
Dye materials and making the same. M. Alsen. 1,854,363; Apr. 19.
Dye mixer, Centrifugal. G. A. McBride. 1,841,414; Jan. 19.
Dye, Monoazo. H. Ohlendorf. 1,873,628; Aug. 23.
Dye, Naphthophenazine. G. Reddelien and H. Ohlendorf. 1,873,938; Aug. 23.
Dye, Producing an anthraquinone. W. Mieg. 1,867,558; July 19.
Dye, Producing sulphur. S. J. Lloyd and G. D. Palmer, jr. 1,884,702; Oct. 25.
Dyeing. J. Watters. 1,886,857; Nov. 8.
Dyeing and printing process. J. Martin. 1,886,412; Nov. 1.
Dyeing apparatus. J. H. Skitt. 1,844,695; Feb. 9.
Dyeing cellulose acetate. J. S. Wilson and J. Thomas. 1,886,441; Nov. 8.
Dyeing machine. W. E. H. Bell. 1,860,351; May 31.
Dyeing machine. J. Macadam, jr. 1,857,111; May 3.
Dyeing machine. D. C. Spiegler. 1,874,794; Aug. 30.
Dyeing machine. H. Schroeder. 1,844,798–9; Feb. 9.
Dyeing mechanism. F. E. Zavodoff. 1,845,010; Feb. 16.
Dyeing or printing. J. I. M. Jones and W. Kilby. 1,850,351; Mar. 22.
Dyeing preparation. J. Haller, E. Glietenberg, and W. Hentrich. 1,852,561; Oct. 11.
Dyeing preparation for coloring chrome leather and making the same. A. Dorrer, W. Scheurer, and A. Ohmer. 1,876,641; Sept. 13.
Dyeing, printing and like process. B. Wylam and J. S. Wilson. 1,868,300; July 19.
Dyeing process. W. R. Moorhouse. 1,868,987; July 26.
Dyeing process and apparatus. E. R. Menzies. 1,873,004; Aug. 23.
Dyeing process for animal fibers. S. Fuchs. 1,874,274; Aug. 30.
Dyeing with substituted sulphur dyestuffs. E. Kramer, B. Bollweg, and L. Zeh. 1,873,948; Aug. 23.
Dyeing with vat dyestuffs sensitive to calcium compounds. P. Jurisch. 1,874,945; Sept. 6.
Dyeings and printings with mordant dyestuffs, Production of fast. H. Werdenberg. 1,848,589; Mar. 8.
Dyeings and prints on mixed fabrics, Production of. H. Werdenberg. 1,886,995; Nov. 8.
Dyeings on textiles, Manufacture of. R. Haller. 1,874,099; Aug. 30.
Dyes adapted for dyeing regenerated cellulose materials. Azo. R. Brightman. 1,873,277; Aug. 23.
Dyes and dyeing. W. W. Tatum, W. M. Todd, L. J. Hooley, and J. Thomas. 1,869,286; July 26.
Dyes and halogenated intermediates for dyes, Manufacture of halogenated. C. Shaw, R. F. Thomson, and J. Thomas. 1,842,694; Jan. 26.
Dyes and intermediates, Purification of vat. H. J. West. 1,845,378; Feb. 16.
Dyes and their production, Azo. R. Brightman. 1,877,800; Sept. 20.
Dyes and the product thereof, Making black and gray vat. A. Shepherdson and S. Thornley. 1,848,228; Mar. 8.
Dyes derived from naphthyl-aryl ethers, Azo. E. F. Grether. 1,871,512; Aug. 16.
Dyes from ether-arylides of amino-hydroxy-diaryls, Azo. E. F. Grether and G. H. Coleman. 1,871,514; Aug. 16.
Dyes, Making sulphur. J. M. F. Leaper and R. W. Hess. 1,862,376; June 14.
Dyes, Manufacture of new azo. R. Brightman. 1,876,848; Sept. 13.
Dyes, Manufacture of new xanthene. A. Coulthard and E. H. Rodd. 1,885,591–2; Nov. 1.
Dyes, Manufacture of triarylmethane. T. A. Simmons. 1,860,753; May 31.
Dyes of the anthraquinone series and process of making. Sulphur. F. Kacer. 1,841,817; Jan. 19.
Dyes of the benzanthrone series, Manufacture and use of vat. A. Shepherdson and S. Thornley. 1,848,227; Mar. 8.
Dyes of the rhodamine type, New basic and acid. L. J. Allchin. 1,840,553; Jan. 12.
Dyes or the like, Apparatus for making. R. M. Cole. 1,880,816; Oct. 4.
Dyes, Secondary disazo. W. Lange and M. Raeck 1,873,606; Aug. 23.
Dyes, Sulphur. P. Virck and G. Marzdort. 1,873,514; Aug. 23.
Dyestuff and acetate silk dyed therewith, Azo. K. Schlacher and K. Stenger. 1,865,062; June 28.
Dyestuff and making same, Azo. G. Bonbôte. 1,871,948; Aug. 16.
Dyestuff and making same, Metalliferous. F. Straub and W. Anderau. 1,862,459; June 7.
Dyestuff and making same, Vat. W. Eckert and H. Greune. Re18,643; Nov. 1.
Dyestuff and making the same, Azo. E. F. Grether. 1,880,432; Oct. 4.
Dyestuff and making the same, Azo. D. Zinner.. 1,880,226; Oct. 4.
Dyestuff and process of preparation, Azo. D. Zinner. 1,880,225; Oct. 4.
Dyestuff containing cellulose residues and making same. A. Haller and A. Heckendorn. 1,886,480; Nov. 8.
Dyestuff containing metals and making same. F. Straub and W. Anderau. 1,865,978; July 5.
Dyestuff intermediates of the anthraquinone series, Production of. W. Smith and J. Thomas. 1,890,099; Dec. 6.
Dyestuff intermediates, Production of flavanthrone. W. Smith and J. Thomas. 1,890,098; Dec. 6.
Dyestuff isomers, New vat. W. Eckert and O. Braunsdorf. 1,888,625; Nov. 22.
Dyestuff isomers of the 1.4.5.8. naphthoylene dibenzimidazol series and the product, Preparation of vat. W. Eckert, H. Greune, and W. Eichholz. 1,888,624; Nov. 22.
Dyestuff isomers, Separation of new vat. W. Eckert and O. Braunsdorf. 1,888,626; Nov. 22.
Dyestuff of the anthraquinone acridine series, Production of new vat. H. Neresheimer. 1,844,016; Feb. 9.
Dyestuff of the anthraquinone acridone series, Vat. W. Neresheimer and R. Bertsch. 1,878,966; Sept. 20.
Dyestuff of the anthraquinone series and making same. G. Kalischer and E. Honold. 1,844,012; Feb. 9.
Dyestuff of the anthraquinone series, Manufacture of a. W. Moser. 1,859,151; May 17.
Dyestuff of the anthraquinone series, Manufacture of a. W. Moser. 1,859,253; May 17.
Dyestuff of the anthraquinone series, New vat. R. Berliner. 1,857,232; May 10.
Dyestuff of the dianthraquinonylamine series, Wool. W. Mieg and K. Banninger. 1,878,966; Sept. 20.
Dyestuff of the pyrazolanthrone series, Vat. H. Neresheimer and W. Schneider. 1,846,139; Feb. 23.
Dyestuff of the thioindigo-indigo series, New. N. Steiger. 1,857,264; May 10.
Dyestuff of the thioindigo series, New. E. Hoffa and H. Heuss. 1,877,870; Sept. 20.
Dyestuff of the thionaphthene-indigoid series, Vat. W. Bauer, J. Haller, and G. Rosch. 1,890,718; Dec. 13.
Dyestuff on animal fibers, Production of metal compounds of azo. F. Straub, H. Schneider, and H. Bernhard. 1,887,603; Nov. 15.
Dyestuff, Substantive sulphur. E. Kramer, B. Bellweg, and L. Zeh. 1,853,435; Apr. 12.
Dyestuff, Vat. M. A. Kunz, K. Kraenzlein, K. Koeberle, M. Orell, E. Berthold, and H. Vollmann. 1,887,812; Nov. 15.
Dyestuff, Yellow azo. H. Eichwede and J. Rachor. 1,877,474; Aug. 30.
Dyestuffs and color lakes thereof, Production of azo. C. Immerheiser.. B. Zschimmer, M. Fritsch, and H. Fleischmann. 1,847,650; Mar. 1.
Dyestuffs and making same, Azo. G. Bonbôte. 1,873,533; Aug. 23.
Dyestuffs and making same, Azo. F. Felix and F. Straub. 1,848,294; Apr. 19.
Dyestuffs and making same, Azo. E. F. Grether. 1,877,302; Sept. 13.
Dyestuffs and making same, Azo. J. Gyr and O. Kaiser. 1,867,451; July 12.
Dyestuffs and making same, Azo. G. de Montmollin, H. Gubler, and J. Spiegel. 1,846,546; Feb. 23.
Dyestuffs and making same, Chromium compounds of. F. Straub. 1,854,077; Apr. 12.
Dyestuffs and making same, Diazo-. J. Gyr. 1,849,572–3; Mar. 15.
Dyestuffs and making same, Indigoid. R. Tobler. 1,851,070; Mar. 29.
Dyestuffs and making same, Metalliferous. F. Straub and W. Hanhart. 1,851,119; Mar. 29.
Dyestuffs and making same, Mordant. G. Ostertag. 1,848,650; Mar. 8.
Dyestuffs and making same, Mordant. G. Ostertag. 1,848,557; Mar. 15.
Dyestuffs and making same, Stable preparations of vat. K. F. Maennchen and F. Hümmerich. 1,858,632; May 17.
Dyestuffs and making same, Stilbene. M. Schmid. 1,861,523; May 31.
Dyestuffs and making same, Wool. G. Kalischer and E. Honold. 1,871,830; Aug. 16.
Dyestuffs and making same, Wool azo. G. Kalischer, R. Schnele, and H. Schindhelm. 1,856,217; May 3.
Dyestuffs and making same containing vat. K. Thiess and F. Münnchen. 1,882,263; Oct. 11.
Dyestuffs and preparing same, Azo. R. Brightman. 1,869,930; Aug. 2.
Dyestuffs and preparing them, New acid. E. Kronholz and H. Schlichenmaier. 1,877,900; Sept. 20.
Dyestuffs, and preparing them, Vat. W. Eckert and O. Braunsdorf. 1,889,279; Nov. 29.
Dyestuffs and process of making, New sulphur. E. Kramer, L. Zeh, and B. Bollweg. 1,840,322; Jan. 12.
Dyestuffs and their manufacture, Monoazo. O. Knecht and T. Wirth. 1,854,846; Apr. 19.

Dyestuffs and their production, Black trisazo. A. Conzetti., 1,858,757; Nov. 22.
Dyestuffs and the product thereof, Production of vat. P. Nawiasky and H. Wolff. 1,867,090; July 12.
Dyestuffs, Asymmetric polymethine. O. Wahl. 1,878,557; Sept. 20.
Dyestuffs, Azo. K. Dobmaier. 1,878,471; Sept. 20.
Dyestuffs, Azo. J. Hilger and K. Wiedemann. 1,879,240; Sept. 27.
Dyestuffs, Azo. K. Holzach, H. Krzikalla, and W. Mueller. 1,892,055; Dec. 27.
Dyestuffs, Azo. H. Krzikalla. 1,846,644; Feb. 23.
Dyestuffs, Azo. M. Matten. 1,845,426; Feb. 16.
Dyestuffs, Azo. K. H. Saunders and M. Mendoza. 1,841,637; Jan. 19.
Dyestuffs, Azo. R. Stüsser. 1,851,120; Mar. 29.
Dyestuffs, Azo. H. Wagner and O. Sobst. 1,855,328; Apr. 26.
Dyestuffs, Brown azo. D. Zinner. 1,866,786–7; July 12.
Dyestuffs, Chromiferous azo. H. Krzikalla. 1,840,398; Jan. 12.
Dyestuffs containing chromium, Manufacture of. H. Kämmerer and K. Holzach. 1,844,306–8; Feb. 9.
Dyestuffs containing metal and making same. F. Straub, H. Schneider, and H. Mayer. 1,851,115; Mar. 29.
Dyestuffs containing metals and making same. F. Straub and H. Schneider. 1,885,641; Nov. 1.
Dyestuffs derived from amino-ethers of hydroxydiaryls, Azo. E. F. Grether and G. H. Coleman. 1,858,928; May 17.
Dyestuffs, Extraction of. W. Whitehead. 1,839,819; Jan. 5.
Dyestuffs in substance or on the fiber, Manufacture of sulphurized. J. Kramer, B. Bollweg, and L. Zeh. 1,873,946–7; Aug. 23.
Dyestuffs, Manufacture of azo. G. H. Ellis. 1,883,356; Oct. 18.
Dyestuffs, Manufacture of azophthalein. A. Krebser. 1,888,002; Nov. 15.
Dyestuffs, Manufacture of dyeing conversion products of azo. L. Hacenbusch, C. Mettler, and E. Wanner. 1,850,875; Mar. 22.
Dyestuffs, Manufacture of mordant azo. E. Bodmer and E. Gleitenberg. 1,858,020; Nov. 22.
Dyestuffs, Manufacture of polyazo. H. Leemann, H. Lier, and O. Knecht. 1,841,828; Jan. 19.
Dyestuffs, Manufacture of Polyazo. H. Leemann, H. Lier, and O. Knecht. 1,885,609; Nov. 1.
Dyestuffs, Manufacture of vat. M. A. Kunz and K. Köberle. 1,841,961; Jan. 19.
Dyestuffs, Manufacture of water-insoluble azo. E. Glietenberg, W. Neelmeier, and J. Haller. 1,882,560; Oct. 11.
Dyestuffs, Manufacture of water soluble azo. J. Haller and G. Rösch. 1,855,289; Apr. 26.
Dyestuffs, Monoazo. H. Hoyer and E. Gleitenberg. 1,879,181; Sept. 27.
Dyestuffs, New azo. W. Hentrich, M. Hardtmann, R. Knoche, and R. Stüsser. 1,851,097; Mar. 29.
Dyestuffs, New azo. W. Hentrich and R. Knoche. 1,871,491; Aug. 16.
Dyestuffs, New indigoid. R. Herz, M. Schubert, and W. Brunner. 1,877,316; Sept. 13.
Dyestuffs, New triarylmethine. E. H. Rood and F. L. Sharp. 1,860,751; May 31.
Dyestuffs, Nitrogenous vat. M. A. Kunz and K. Koeberle. 1,855,295; Apr. 26.
Dyestuffs of the acridine series and the products, Manufacture of. M. Alioth. 1,852,730; Apr. 5.
Dyestuffs of the acridine series and the products, Manufacture of red-orange to brown-red basic. M. Alioth. 1,863,233; June 14.
Dyestuffs of the acridine series, Vat. H. Wolff and E. Honold. 1,845,849; Feb. 9.
Dyestuffs of the anthanthrone series and process of making same, Brominated vat. R. Herz and W. Zerweck. 1,877,315; Sept. 13.
Dyestuffs of the anthanthrone series, Making vat. R. Herz and W. Zerweck. 1,856,215; May 3.
Dyestuffs of the anthanthrone series, Manufacturing vat. W. Zerweck. 1,878,058; Sept. 20.
Dyestuffs of the anthanthrone series, New vat. R. Heidenreich. 1,880,440; Oct. 4.
Dyestuffs of the anthracene series, Production of black vat. C. Shaw. 1,839,271; Jan. 5.
Dyestuffs of the anthraquinone-acridone series and making same, Vat. H. Neresheimer and E. Honold. 1,850,501; Mar. 22.
Dyestuffs of the anthraquinone acridone series and the products, Production of new vat. F. Ullmann. 1,850,432; Mar. 22.
Dyestuffs of the anthraquinone acridine series, Producing vat. H. Neresheimer, E. Honold, and G. Böhner. 1,877,347; Sept. 13.
Dyestuffs of the anthraquinone acridone series, Vat. F. Baumann. 1,840,383; Jan. 12.
Dyestuffs of the anthraquinone acridone series, Vat. R. Berliner. 1,851,082; Mar. 29.
Dyestuffs of the anthraquinone-acridone-series, Vat. W. Mieg and R. Berliner. 1,860,472; May 31.
Dyestuffs of the anthraquinone series. P. Nawiasky and A. Krause. 1,871,821; Aug. 16.
Dyestuffs of the anthraquinone series. K. Weinand. 1,848,509; Mar. 8.
Dyestuffs of the anthraquinone series, Acid wool. K. Weinand. 1,843,308; Feb. 2.
Dyestuffs of the anthraquinone series and making same. O. Bally, P. Grossmann, and F. Felix. 1,856,802; May 3.
Dyestuffs of the anthraquinone series and making same, New acid wool. R. Muller and E. Honold. 1,880,970; Oct. 4.
Dyestuffs of the anthraquinone series and making same, Vat. H. Mayer, K. Krauer, and H. Siebenbürger. 1,846,133; Feb. 23.
Dyestuffs of the anthraquinone series, Easy soluble. S. von Allmen. 1,885,065; Oct. 25.
Dyestuffs of the anthraquinone series, Manufacture of vat. M. A. Kunz. 1,881,697; Oct. 11.
Dyestuffs of the anthraquinone series, New acid. H. Koch. 1,871,191; Aug. 16.
Dyestuffs of the anthraquinone series, New acid wool. K. Weinand. 1,848,510; Mar. 8.
Dyestuffs of the anthraquinone series, New indigoid. H. Ritter and W. Brunner. 1,877,973; Sept. 20.
Dyestuffs of the anthraquinone series, New vat. R. E. Schmidt, B. Stein and K. Bamberger. 1,879,535; Sept. 27.
Dyestuffs of the anthraquinone series, New wool. K. Weinand. 1,840,420; Jan. 12.
Dyestuffs of the anthraquinone series, Vat. O. Bayer. 1,877,591; Sept. 20.
Dyestuffs of the anthraquinone series, Vat. G. Rösch. 1,850,490; Oct. 4.
Dyestuffs of the azine series and the products, Production of nitrogenous vat. M. A. Kunz and K. Koeberle. 1,888,631; Nov. 22.
Dyestuffs of the benzanthrone acridine series and making same, Brown vat. E. Honold. 1,861,921; June 7.
Dyestuffs of the benzanthrone-pyrazolanthrone series, Vat. K. Wilke. 1,878,050; Sept. 20.
Dyestuffs of the benzanthrone series and making same, Vat. E. Honold. 1,877,178; Sept. 13.
Dyestuffs of the diaminotriphenylmethane series, New. O. Böger and O. Meissner. 1,876,842; Sept. 13.
Dyestuffs of the diazine benzanthrone series, Production of brown vat. P. Nawiasky and A. Ehrhardt. 1,855,306; Apr. 26.
Dyestuffs of the dibenzanthrone series. C. Zahn and K. Schumacherschmidt. 1,892,229; Dec. 27.
Dyestuffs of the dibenzanthrone series and making same, halogen containing. K. Krauer. 1,859,146; May 17.
Dyestuffs and preparing them, Naphthalimide. W. Eckert. 1,886,797; Nov. 8.
Dyestuffs of the dibenzpyrenequinone series, Vat. G. Krünzlein, M. Correll, and H. Vollmann. 1,877,899; Sept. 20.
Dyestuffs of the diphthaloylcarbazole series, Vat. P. Mawiasky, E. Honold, and H. Wolff. 1,891,684; Dec. 20.
Dyestuffs of the N-dihydro-1,2,2',1'-anthraquinonazine series and making the same, Vat. H. Neresheimer and W. Schneider. 1,877,948; Sept. 20.
Dyestuffs of the N-dihydro-1,2,2',1'-anthraquinone azine series, New vat. R. E. Schmidt, B. Stein, and K. Bamberger. 1,851,114; Mar. 29.
Dyestuffs of the N. N. dihydro-1,2,2',1'-anthraquinone azine series and products obtainable thereby, preparing. K. Schirmacher, W. Schaich, A. Wolfram, H. Tampke, K. Billig, and W. Schirmacher. 1,877,146; Sept. 13.
Dyestuffs of the pyrazolanthrone series and preparing them. G. Kranzlein, H. Greune, and H. Vollmann. 1,854,045; Apr. 12.
Dyestuffs of the phenonaphthosafranine series and the products, Manufacture of acid. P. Laeuger. 1,850,838-42; Mar. 22.
Dyestuffs of the polymethine series and new intermediate products therefor, Making. R. Kuhn and W. Kern. 1,886,485; Nov. 8.
Dyestuffs of the polynuclear aromatic imidazole series and preparing them, Vat. P. Schmidt and W. Neugebauer. 1,878,986; Sept. 20.
Dyestuffs of pyrazolanthrone series and making same, New fast. G. Kalischer, H. Ritter, H. Scheyer, and O. Bayer. 1,877,584; Sept. 20.
Dyestuffs of the safranine series and making them. W. Neelmeier and T. Nocken. 1,878,531; Sept. 20.
Dyestuffs of the stilbene series and making same. M. Schmid. 1,861,324; May 31.
Dyestuffs of the tartrazine series. E. Romig and K. Holzach. 1,860,478; May 31.
Dyestuffs of the thiazine series, Mordant. R. Herz and N. Steiger. 1,841,442; Jan. 19.
Dyestuffs of the thionaphthene-indolindizo series, Vat. T. Meisner, H. Heyna, and E. Fischer. 1,857,250; May 10.
Dyestuffs of the urea-azine series and preparing the same. W. A. Silvester. 1,859,477; May 24.
Dyestuffs on the fiber, Process of producing azo. E. Hoffa and C. Selb. 1,877,318; Sept. 13.
Dyestuffs, Pigment. W. Hentrich and M. Hardtmann. 1,878,698; Sept. 20.
Dyestuffs, Poly-azo. W. Hentrich and J. Hilger. 1,863,792; June 21.
Dyestuffs, Polymethine. O. Wahl. 1,863,679; June 21.
Dyestuffs, Preparation of mordant disazo. E. Bodmer. 1,841,873; Jan. 19.
Dyestuffs, Preparing azo. W. Hentrich, J. Hilger, and R. Stroebel. 1,850,547; Mar. 22.

Dyestuffs, Preparing azo. W. Hentrich and C. Taube. 1,882,556; Oct. 11.
Dyestuffs, Preparing vat. G. Kranzlein, M. Corell, and H. Vollman. 1,856,710; May 3.
Dyestuffs, Producing vat. M. A. Kunz and K. Koberle. 1,846,264; Feb. 23.
Dyestuffs, Production of new vat. H. Neresheimer and W. Bechhold. 1,874,584; Aug. 30.
Dyestuffs, Production of nitrogenous. M. A. Kunz and K. Koberle. 1,859,742; May 24.
Dyestuffs, Production of vat. M. A. Kunz and K. Köberle. 1,841,962–4; Jan. 19.
Dyestuffs, Production of vat. M. A. Kunz and K. Köberle. 1,841,965–6; Jan. 19.
Dyestuffs, Production of vat. H. Wolff, M. A. Kunz, and K. Koeberle. 1,856,203; May 3.
Dyestuffs, Purification of diamino-alpha-alpha'-dihydroxy-anthraquinone disulphonic acid. H. T. Stowell. 1,840,644; Jan. 12.
Dyestuffs, Secondary disazo. J. Baddiley and J. Hill. 1,883,325; Oct. 18.
Dyestuffs, Substantive azo. R. Stüsser. 1,851,121; Mar. 29.
Dyestuffs, Sulphur vat. O. Bayer. 1,845,390; Feb. 16.
Dyestuffs to fabrics and porous surfaces, Transferring. H. S. Sadtler. 1,883,584; Aug. 30.
Dyestuffs, Treating water insoluble azo. A. Zitscher and W. Wüterich. 1,877,116; Sept. 13.
Dyestuffs, Trisazo. R. Stüsser. 1,852,032; Apr. 5.
Dyestuffs, Vat. P. Nawiasky. 1,863,668; June 21.
Dyestuffs, Vat. H. Wolff. 1,878,056; Sept. 20.
Dyestuffs, Violet vat. H. A. Lubs and A. L. Fox. 1,850,758; Mar. 22.
Dyestuffs, Yellow mono-azo. H. Wagner and B. Vossen. 1,877,092; Sept. 13.
Dynamo electric machine. E. S. Henningsen. 1,883,912; Oct. 25.
Dynamo electric machine. H. D. Taylor. 1,890,344; Dec. 6.
Dynamo, Ignition. C. F. Reis. 1,889,878; Dec. 6.
Dynamometer and stroke meter, Computing and recording. F. W. Lake. 1,889,730; Nov. 29.
Dynamometer and stroke meter, Motor driven recording means, Computing. F. W. Lake. 1,877,467; Sept. 13.
Dynamometer, Fluid. L. G. Nilson. 1,854,952; Apr. 19.
Ear cleaner. C. Adams. 1,887,003; Nov. 8.
Ear conveyer for husking rolls. C. R. Raney and R. B. Hitchcock. 1,881,482; Oct. 4.
Ear tag. A. H. Berntson and C. J. Zimmerman. 1,851,000; Mar. 29.
Earth boring apparatus. A. Meunier. 1,844,778; Feb. 9.
Earth boring apparatus. C. E. Reed. 1,890,887; Dec. 13.
Earth boring drill. C. E. Reed. 1,865,706; July 5.
Earth boring drill. F. L. Scott. 1,854,911; Apr. 19.
Earth boring machine. L. B. Kelm. 1,848,351; Mar. 8.
Earth drilling bit. E. E. Greve. 1,852,843; Apr. 5.
Earth electrode meter. S. W. Borden. 1,882,113; Oct. 11.
Earth, Method of and apparatus for detecting the presence of profitable deposits in. G. Laubmeyer. 1,843,878; Feb. 2.
Earth moving device. R. L. Harrison. 1,846,592; Feb. 23.
Earth piercing device. J. R. Sweeney and E. W. Roberts. 1,872,922; Aug. 16.
Earth pulverizing machine. S. G. Fuller. 1,840,810; Jan. 12.
Earth testing instrument. J. H. Highmark. 1,862,339; June 7.
Earth working implement. J. Erlanger. 1,849,451; Mar. 15.
Earths and products therefrom, Treating. H. J. Hartley. 1,851,627; Mar. 29.
Earths, Treatment of adsorbent. J. C. Morrell. 1,844,476; Feb. 9.
Earthy materials, Progressively bloating. S. Q. Lee. 1,877,137; Sept. 13.
Easel. D. A. Bickford. 1,864,972; June 28.
Easel. R. Brunswick. 1,842,011; Jan. 19.
Easel. R. Eburne and R. Wirth. 1,840,659; Jan. 12.
Easel. W. Hurbanek. 1,879,251; Sept. 27.
Easel. H. V. Marsh. 1,865,934; July 5.
Easel. G. Rosenberg. 1,847,138; Mar. 1.
Easel and support therefor. B. Ulrich. 1,848,854; Mar. 8.
Easel blackboard. H. G. Cress. 1,876,619; Sept. 13.
Easel, Calendar. C. N. Montanye. Des. 86,624; Mar. 29.
Easel, Can display. H. V. Marsh. 1,865,534; July 5.
Easel, Display. E. H. Glende. 1,863,594; June 21.
Easel or support for posters and the like. M. M. Einson. 1,870,798; Aug. 9.
Easel, Picture. J. M. Abbott. 1,886,929; Nov. 8.
Eaves trough hanger. M. Walten. 1,867,121; July 12.
Ebullition initiator. L. W. Larsen. 1,868,611; July 26.
Eccentric for shaking mechanism. M. J. Mollen. 1,856,777; May 3.
Eccentricity checking device. O. G. Simmons. 1,840,538; Jan. 12.
Ecclesiastic ritual case. F. J. de Jaco. 1,889,044; Nov. 29.
Economizer. W. G. Cottrell. 1,843,383; Feb. 2.
Economizer. I. Harter. 1,878,134; Sept. 20.
Economizer. J. W. Parker and J. E. Black. 1,878,176; Sept. 20.
Economizer. J. L. Thorn. 1,867,605; July 19.
Economizer, Longitudinal flow. C. E. Lucke. 1,884,777; Oct. 25.
Economizer tube support. J. E. Trainer and I. L. Langvand. 1,883,123; Oct. 18.
Edge construction for desk tops and the like. F. A. Schmitz. 1,885,554; Nov. 1.
Edge finishing machine. J. B. Coffey. 1,886,870; Nov. 8.
Edge for mattresses or cushions. J. F. Gail. 1,870,045; Aug. 2.
Edge of a material, Finishing the. R. E. Powell. 1,871,278; Aug. 9.
Edge protection for fiber boards. J. T. Card. 1,880,785; Oct. 4.
Edge router, Side walk. A. B. D'Ippolito. 1,856,412; May 3.
Edge-sealed assembly. F. B. Davis, jr. 1,845,133; Feb. 16.
Edge shaping machine. E. R. Person. 1,863,251; June 14.
Edge shearing device. C. G. Richardson. 1,880,487; Oct. 4.
Edge trimmer. B. J. Larson. 1,876,979; Sept. 13.
Edge trimmer, Lawn. J. A. Spence. 1,859,806; May 24.
Edger and groover, Lawn. J. A. Schwarz. 1,856,435; May 3.
Edges of sheet material, Method of and machine for finishing the. J. B. Coffey. 1,855,223; Apr. 26.
Edging. J. W. Scott. 1,850,696; Mar. 22.
Edging for trim panels. B. C. Place. 1,889,903; Dec. 6.
Edible commodities, Treating granular. F. D. Chapman. 1,879,085; Sept. 27.
Edible product comprising a meat center encased in an envelope of raising dough, Device for baking an. T. A. Sweeney. 1,875,277; Aug. 30.
Edibles, Roasting. L. L. and J. Jones. 1,870,735; Aug. 9.
Educational and amusement device. D. M. Freeman. 1,841,369; Jan. 19.
Educational apparatus. E. Hutchinson. 1,839,558; Jan. 5.
Educational apparatus. L. Marx. 1,860,895; May 31.
Educational apparatus. L. H. Vincent. 1,862,872; June 14.
Educational appliance. M. A. Amor. 1,857,009; May 3.
Educational appliance. H. W. Geromanos. 1,874,279; Aug. 30.
Educational appliance. M. M. Gubin. 1,842,165; Jan. 19.
Educational appliance. F. M. Stader. 1,869,522; Aug. 2.
Educational block. R. West. 1,864,703; June 28.
Educational device. J. Christoffers. 1,885,828; Apr. 26.
Educational device. M. E. Church. 1,847,815; Mar. 1.
Educational device. E. G. Hanks. 1,840,507; Jan. 12.
Educational device. E. G. Hanks. 1,882,576; Oct. 11.
Educational device. W. E. Hendrie. 1,884,676; Oct. 25.
Educational device. M. Jewell. 1,864,022; June 21.
Educational device. A. W. McLintock and J. W. Rice. 1,856,650; May 3.
Educational device. B. Ralls. 1,854,999; Apr. 19.
Educational device. F. J. Schmitt. 1,860,483; May 31.
Educational device. F. L. Simon. 1,866,133; July 5.
Educational material. T. V. Goodrich. 1,863,823; June 28.
Educational test device. T. E. Thompson. 1,843,183; Feb. 2.
Educational testing device. L. Kinnaird. 1,867,511; July 12.
Eductor. W. T. Clark. 1,867,876; July 19.
Egg breaker. N. Nastrom. 1,870,741; Aug. 9.
Egg breaking and packing table. R. W. Regensburger. 1,875,496; Sept. 6.
Egg candling device. J. H. Faris. 1,856,037; Apr. 26.
Egg candling machine. W. C. Wyland. 1,864,034; June 21.
Egg case. F. H. Sherman. 1,882,524; Oct. 11.
Egg case filler. G. W. Swift, jr. 1,857,984; May 10.
Egg content, Packing. M. C. Reynolds. 1,842,783; Jan. 26.
Egg crating machine, Liquid. I. H. Hall. 1,860,358; May 31.
Egg meter. A. H. Greene. 1,861,854; June 7.
Egg picking apparatus. B. I. Vignaux, jr. and M. Roberts. 1,874,393; Aug. 30.
Egg picker. I. I. Kablanow. 1,846,968; Feb. 23.
Egg picker and trough cleaner, Siphon. F. Walcott. 1,843,499; Feb. 2.
Egg powder, Preparing. F. H. Clickner. 1,891,887; Dec. 20.
Egg preservation. P. F. Sharp. 1,868,996; July 26.
Egg processing and candling machine. H. E. Kennedy. 1,852,509; Apr. 5.
Egg processing machine. M. Kasser. 1,866,809; July 12.
Egg product and producing the same. D. K. Tressler. 1,870,269; Aug. 9.
Egg product, Process of producing. A. K. Epstein. 1,883,652; Oct. 18.
Egg, separator. C. H. Parsons. 1,868,336; July 19.
Egg separator. R. W. Regensburger. 1,878,294; Sept. 20.
Egg tester, Advertising. H. S. Wynne. 1,866,442; July 5.
Egg testing machine. C. S. Hassell. Des. 87,836; Sept. 27.
Egg timing device. J. J. Noonan. 1,876,072; Sept. 6.
Egg tray lifter. D. O. Heline. 1,848,717; Mar. 8.
Egg treating machine. B. E. Ford. 1,883,669; Oct. 18.

Egg treatment machine. M. Kasser. 1,876,688; Sept. 13.
Egg turning and tray holder. C. M. Lower. 1,864,449; Aug. 21.
Egg whites, Separating. R. W. Regensburger. 1,892,539; Dec. 27.
Egg yolk separator. W. Dimmrich. 1,840,658; Jan. 12.
Egg yolk separator. C. Hall. Des. 87,152; June 14.
Egg yolk substitute for tanning. O. Röhm. 1,891,363; Dec. 20.
Eggs and the like, Filler for. L. Benoit. 1,874,162; Aug. 30.
Eggs, Apparatus for handling. L. Benoit. 1,869,457; Aug. 2.
Eggs, Method and apparatus for the artificial incubation of. C. W. Allen. 1,861,895; June 7.
Eggs, Preservation of. T. L. Swenson. 1,888,415; Nov. 22.
Eggs, Separating and packing. R. W. Regensburger. 1,887,516; Nov. 15.
Eggs, Separating the whites from the yolks of. R. W. Johns. 1,847,692; Mar. 1.
Eggs, Separating the whites from the yolks of. R. W. Regensburger and C. T. Walter. 1,846,754; Feb. 23.
Eggs, Sterilization and preservation of. J. Fousek. 1,852,606; Apr. 5.
Eggs, Treating. W. G. Howard. 1,862,508; June 7.
Eight cylinder engine, Manifolding. J. W. Swan. 1,889,081; Nov. 29.
Ejector. R. Black. 1,854,098; Apr. 12.
Ejector. D. G. Lorraine. 1,879,366; Sept. 27.
Ejector, Casting mold. W. M. Hall. 1,858,453; May 17.
Ejector fork. T. S. Hutchison. 1,857,455; May 10.
Ejector fork. T. S. Hutchison. 1,882,242; Oct. 11.
Ejector mechanism for automatic inlaying apparatus. J. P. Feeney. 1,850,712; Mar. 22.
Ejector mechanism for dough dividers. G. B. Eggert. 1,871,264; Aug. 9.
Ejector package. A. G. Hildebrand. 1,891,817; Dec. 20.
Elastic coupling. W. Techudi. 1,874,658; Aug. 30.
Elastic fabric. N. A. Crimmins. 1,853,666; Apr. 12.
Elastic fabric. C. Dreyfus. 1,869,958; Aug. 2.
Elastic fabric. W. A. Fox. 1,887,927; Nov. 15.
Elastic fabric. O. F. Neidel. 1,849,025; Mar. 8.
Elastic fabric. H. C. Winton. 1,873,094; Aug. 23.
Elastic fluid engine. S. L. G. Knox. 1,845,288; Feb. 16.
Elastic fluid fabric. O. H. Walton. 1,880,303; Oct. 4.
Elastic product. M. Hagedorn. 1,877,854; Sept. 20.
Elastic shaft coupling. H. Behrens. 1,853,757; Apr. 12.
Elastic strand. W. J. Fox. 1,864,546; June 21.
Elastic suspension. F. Traverso. 1,888,519; Nov. 22.
Elastic top in hosiery or the like. P. Schönteld. 1,874,686; Aug. 23.
Elastic webbing for cutting, Preparing. G. H. Jung, jr. 1,882,642; Oct. 11.
Elastic welt for stockings. H. C. Aberle. 1,860,272; May 24.
Elastic wheel. S. Dinaro. 1,857,239; May 10.
Elbow. T. F. Cleary. 1,868,698; July 26.
Elbow and producing, Sheet metal. C. A. Wulf. 1,869,926; Aug. 2.
Elbow for metal pipe connections, Adjustable. E. M. Reedy. 1,876,751; Sept. 13.
Elbow making machine. J. G. Tilp. 1,875,186; Aug. 30.
Electric adjusting device for the hands of clock mechanisms. C. Rossi, J. O. Moser, and P. Reymond. 1,885,858; Nov. 1.
Electric air heater. E. W. Ballentine. 1,879,019; Sept. 27.
Electric annealing apparatus. E. A. Colby. 1,867,810; July 19.
Electric apparatus. G. W. Carpenter. 1,864,482; June 21.
Electric apparatus, Cooling. F. G. Baum. 1,865,499; July 5.
Electric arc disrupter. P. J. Branchu. 1,851,238; Mar. 29.
Electric arc furnace. J. T. Terry. 1,889,907; Dec. 6.
Electric arc into an elongated flame, Converting the. E. Wist. 1,892,325; Dec. 27.
Electric arc welding head. W. Richter. 1,877,969; Sept. 20.
Electric battery. M. Wilerman. 1,843,581; Feb. 2.
Electric blasting machine. H. W. Asire, W. W. Perkins, and E. J. Martin. 1,890,445; Dec. 13.
Electric braking system, Manual. M. W. McConkey. 1,882,852; Oct. 18.
Electric bulb or the like. A. L. Buschman. Des. 86,300; Feb. 23.
Electric buzzer, interrupter, and like vibratory device. B. D. Feild and T. C. Standbrook. 1,863,975; June 21.
Electric calculating machine. R. Hofgaard. 1,876,293; Sept. 6.
Electric cauterizer. S. Takaoka. 1,890,270; Dec. 6.
Electric cell. G. W. Heise. 1,863,791; June 21.
Electric charging plant. F. A. Attwood. 1,850,650; Mar. 22.
Electric clothes drier. L. I. Martin. 1,886,286; Nov. 1.
Electric color ray device. H. Harase. 1,867,916; July 19.
Electric contact device. C. C. Seasongood and C. W. McWilliams. 1,849,643; Mar. 15.
Electric contact for advertising purposes, Variable. T. O. Bateman. 1,841,080; Jan. 12.
Electric contact, Semifloating. J. U. Smith. 1,892,439; Dec. 27.
Electric control. W. Noble. 1,881,882; Oct. 11.
Electric control apparatus. T. F. Bludworth. 1,854,683; Apr. 19.
Electric control apparatus. J. E. Gannon and J. M. Winter. 1,868,700; July 26.
Electric control for liquid fuel burners. I. E. McCabe. 1,853,444; Apr. 12.
Electric control mechanism. V. G. Apple and H. D. Hinkill. 1,876,543; Sept. 13.
Electric control mechanism. J. W. Bryce. 1,866,996; July 12.
Electric control mechanism. E. E. McCollum. 1,849,405; Mar. 15.
Electric control system. H. R. Crago. 1,871,499; Aug. 16.
Electric control system. W. N. Greer. 1,870,995; Aug. 9.
Electric control system. M. A. Whiting. 1,840,145; Jan. 5.
Electric control system. W. W. Williams. 1,850,437; Mar. 22.
Electric control system and apparatus. F. M. Slough. 1,885,053; Oct. 25.
Electric control system for conveyers. J. Sylvester. 1,856,669; May 3.
Electric control system for oil burners. J. N. Macrae and C. P. Packard. 1,877,248; Sept. 13.
Electric control systems, Apparatus for. A. J. Sorensen. 1,850,150; June 28.
Electric controller. R. E. Weimer. 1,845,375; Feb. 16.
Electric controlling apparatus. H. K. Kouyoumjian. 1,860,102; May 24.
Electric controlling apparatus. H. K. Kouyoumjian. 1,860,543; May 31.
Electric controlling apparatus. H. K. Kouyoumjian. 1,875,020; Aug. 30.
Electric controlling device. S. H. Liber. 1,854,049; Apr. 12.
Electric crystal apparatus, Piezo. A. Hund. 1,886,814; Nov. 8.
Electric crystal control system, Piezo. A. H. Taylor. 1,875,953; Sept. 6.
Electric crystal system, Piezo. A. Hund. 1,865,858; July 5.
Electric current rectifier. O. Seitz. 1,871,434; Aug. 9.
Electric currents, Separating desired from undesired. E. G. Gage. 1,853,619; Apr. 12.
Electric current tester. L. Ludwig. 1,886,489; Nov. 8.
Electric cutting machine for cutting out woven fabrics. C. Reichert, sr., and K. Reichert, jr. 1,876,075; Sept. 6.
Electric device for musical instruments. A. F. Knoblaugh. 1,870,576; Aug. 9.
Electric devices of occluded gases, Depriving. B. Van der Pol. 1,871,017; Aug. 9.
Electric discharge apparatus. R. H. Dougherty. 1,863,398; June 14.
Electric discharge apparatus. G. F. Murphy. 1,849,848; Mar. 15.
Electric discharge apparatus. A. A. Oswald. 1,874,707; Aug. 30.
Electric discharge apparatus. C. G. Smith. 1,861,098; May 31.
Electric discharge apparatus. B. J. Thompson. 1,867,390; July 12.
Electric discharge device. F. R. Beckert. 1,863,390; June 14.
Electric discharge device. H. W. Brown. 1,888,068; Nov. 15.
Electric discharge device. T. E. Foulke. 1,844,358; Feb. 9.
Electric discharge device. T. E. Foulke. 1,879,159; Sept. 27.
Electric discharge device. W. F. Hendry. 1,858,737; May 17.
Electric discharge device. F. Holborn. 1,855,760; Apr. 26.
Electric discharge device. J. L. Jenks, jr. 1,841,288; Jan. 12.
Electric discharge device. H. M. Martin. 1,869,207; July 26.
Electric discharge device. A. R. Olpin. 1,881,891; Oct. 11.
Electric discharge device. M. Pirani. 1,861,643; June 7.
Electric discharge device. C. A. Sabbah. 1,855,154; Apr. 19.
Electric discharge device. C. A. Sabbah and C. C. Herskind. 1,844,687; Feb. 9.
Electric discharge device. A. M. Skellett. 1,877,607; Sept. 13.
Electric discharge device. C. Spaeth. 1,876,083; Sept. 6.
Electric discharge device. C. J. R. H. Von Wedel. 1,873,683; Aug. 23.
Electric discharge device, Gas filled. H. J. Spanner and U. Doering. 1,860,210; May 24.
Electric discharge device, Gaseous. H. Ewest and G. Gaidies. 1,880,949; Oct. 4.
Electric discharge device, Gaseous. H. Kressin. 1,861,633; June 7.
Electric discharge device, Gaseous. M. Pirani and M. Reger. 1,844,367; Feb. 9.
Electric discharge device, Gaseous. M. Pirani, K. Becker, and M. Reger. 1,861,581; June 7.
Electric discharge device, Gaseous. M. Pirani, H. Ewest, and A. Ruttenauer. 1,879,471; Sept. 27.

Electric discharge device, Gaseous. K. Wiegand, H. Ewest, and M. Reger. 1,844,375 ; Feb. 9.
Electric discharge tube. C. L. Davis. 1,884,591 ; Oct. 25.
Electric discharge tube. P. R. Dijksterhuis. 1,886,795 ; Nov. 8.
Electric discharge tube. R. Löwit. 1,876,991 ; Sept. 13.
Electric discharge tube. J. G. W. Mulder. 1,882,671 ; Oct. 18.
Electric discharge tube. G. Selbt. 1,868,443 ; July 19.
Electric distribution, System of. A. E. Anderson. 1,871,401 ; Aug. 9.
Electric distribution, System of. R. A. Beekman. 1,859,069 ; May 17.
Electric distribution, System of. D. K. Blake. 1,853,954 ; Apr. 12.
Electric door mechanism. C. Norton. 1,871,433 ; Aug. 9.
Electric door opening and closing device. C. E. Allen. 1,859,064 ; May 17.
Electric drill. G. R. Wilcox. 1,850,191 ; Mar. 22.
Electric driving set for vehicles, Dynamo. F. Porsche. 1,859,769 ; Mar. 22.
Electric dynamo machines, Protection of. E. G. Merrick. 1,867,417 ; July 12.
Electric fire alarm. A. I. Dowell. 1,878,120 ; Sept. 20.
Electric fixture. M. N. Russell. 1,886,306 ; Nov. 1.
Electric flash light. J. L. Shannon. 1,839,936 ; Dec. 6.
Electric flasher. N. Abrahamson. 1,851,144 ; Mar. 29.
Electric flasher. L. A. M. Phelan. 1,859,954 ; May 24.
Electric fluid heater. W. Richardson. 1,850,156 ; Mar. 22.
Electric fluid heater. G. E. White. 1,854,322 ; Apr. 19.
Electric friction brake. A. F. Warner. 1,861,729 ; June 7.
Electric furnace. T. F. Baily. 1,874,417 ; Aug. 30.
Electric furnace. T. H. Beechtel. 1,878,619 ; Sept. 20.
Electric furnace. A. E. Bellis. 1,864,885 ; June 28.
Electric furnace. A. J. Hanson. 1,845,497 ; Feb. 16.
Electric furnace. R. H. Shaw. 1,854,420 ; Apr. 19.
Electric furnace. A. J. Hanson. 1,872,942 ; Aug. 23.
Electric furnace. C. R. Johnson. 1,889,665 ; Nov. 29.
Electric fuel heater. K. McIntyre and G. C. Cox. 1,849,749 ; Mar. 15.
Electric furnace. P. L. J. Miguet and M. P. Perron. 1,855,455 ; May 17.
Electric furnace. I. Rennerfelt. 1,851,984 ; Apr. 5.
Electric furnace. A. Ruckstahl. 1,858,062 ; May 10.
Electric furnace. H. O. Swoboda and W. F. Metzger. 1,839,613 ; Jan. 5.
Electric furnace. C. Woodson. 1,870,079 ; Aug. 2.
Electric furnace, Induction. O. J. Blanchet. 1,878,458 ; Sept. 20.
Electric furnace, Induction. F. Linnhoff. 1,872,990 ; Aug. 23.
Electric furnace, Induction. H. Neuhauss. 1,859,680 ; May 24.
Electric furnace, Induction. E. F. Northrup. 1,840,247 ; Jan. 5.
Electric furnace, Induction. E. F. Northrup. 1,881,888 ; Oct. 11.
Electric fuse switch. L. H. Hoffer. 1,887,489 ; Nov. 15.
Electric gauge. C. M. Adams. 1,876,483 ; Sept. 6.
Electric generating and distributing system. J. R. Barrett. 1,879,969 ; Sept. 27.
Electric generator, Constant current. G. Austin and J. C. and A. McFarlane. 1,879,014 ; Sept. 27.
Electric heater. W. J. Bisset and J. W. Sheffer. 1,876,598 ; Sept. 13.
Electric heater. R. von Brockdorff. 1,888,780 ; Nov. 22.
Electric heater. L. C. Doane. 1,860,530 ; May 31.
Electric heater. F. G. Gasch. 1,888,497 ; Nov. 22.
Electric heater. W. F. Gelinas. 1,869,140 ; July 26.
Electric heater. A. Goudsmit. 1,872,100 ; Aug. 23.
Electric heater. S. Hart and M. G. Steele. 1,848,716 ; Mar. 8.
Electric heater. L. A. Hopkins. 1,892,211 ; Dec. 27.
Electric heater. L. B. Hyde. 1,857,510 ; May 10.
Electric heater. C. L. Ipsen and A. N. Otis. 1,883,927 ; Oct. 25.
Electric heater. W. S. Lewis. 1,869,599 ; Aug. 2.
Electric heater. J. Y. Malone. 1,860,934 ; May 31.
Electric heater. H. McCormick. 1,858,887 ; Apr. 26.
Electric heater. A. T. Seale. 1,840,918 ; Jan. 12.
Electric heater. F. W. Waterman, jr. 1,844,414 ; Feb. 9.
Electric heater. J. C. Woodson. 1,861,464 ; June 7.
Electric heating derivertor. E. Gilmore. 1,849,454 ; Mar. 15.
Electric heating. C. I. Hall. 1,875,236 ; Aug. 30.
Electric heating apparatus. E. S. Hebeler. 1,864,435 ; June 21.
Electric heating apparatus. E. Rubini and J. De Lai. 1,869,602 ; Aug. 2.
Electric heating bodies, Manufacture of. H. W. Kurz. 1,872,148 ; Aug. 16.
Electric heating device. R. Braunagel. 1,875,844 ; Sept. 6.
Electric illuminating device. J. Block. 1,887,748 ; Nov. 15.
Electric imitation fire. H. H. Berry. 1,851,889 ; Mar. 29.
Electric impact motor. D. H. Lamar. 1,851,850 ; Mar. 29.
Electric impulse contacting means. W. H. Woodford. 1,873,095 ; Aug. 23.
Electric impulses, Recording. M. Volmer. 1,851,298 ; Mar. 29.
Electric indicating means. M. J. Huggins. 1,859,332 ; May 24.
Electric induction furnace. J. R. de Zubiria. Re18,362 ; Feb. 23.
Electric induction furnace. A. E. Greene. 1,851,575 ; Mar. 29.
Electric induction furnace. W. S. Jackson. 1,875,298 ; Aug. 30.
Electric induction furnace. F. Linhoff. 1,879,360–1 ; Sept. 27.
Electric induction furnace. D. Willcox. 1,859,419 ; May 24.
Electric insect exterminator. W. F. Folmer and H. L. Chapin. 1,852,923 ; Apr. 5.
Electric instruments, Method of and apparatus for calibrating. H. F. Sparkes. 1,891,735 ; Dec. 20.
Electric iron. A. L. Becket. 1,864,010 ; June 21.
Electric iron. R. B. Benjamin. 1,878,663 ; Sept. 20.
Electric iron. W. Kimpel. 1,853,154 ; Feb. 2.
Electric iron. F. Kuhn and L. H. Thomas. 1,881,695–6 ; Oct. 11.
Electric iron. A. Ruelland. Re18,592 ; Sept. 6.
Electric iron construction. R. B. Benjamin. 1,854,538 ; Apr. 19.
Electric jiffy creaser. R. E. and O. M. Conley. 1,864,408 ; June 21.
Electric key punch. C. D. Lake. 1,878,930 ; Sept. 20.
Electric light and headlight. B. Christmas. 1,867,138 ; July 12.
Electric light attachment set. A. J. Barocas. 1,891,341 ; Dec. 20.
Electric light bulb retainer. H. C. Vooth. 1,844,841 ; Feb. 9.
Electric light, Portable. C. P. Davey. 1,851,275 ; Mar. 29.
Electric lock. W. Rosenbaum. 1,864,474 ; June 21.
Electric machine. G. C. Hennessy. 1,887,053 ; Nov. 8.
Electric machine. R. E. Jacobs. 1,858,506 ; May 17.
Electric machine. T. E. McDowell. 1,862,543. June 14.
Electric machine. W. Miglia. 1,844,192 ; Feb. 9.
Electric machine and cooling means, Dynamo. E. Chapman. 1,884,573 ; Oct. 25.
Electric machine, Commutator type dynamo. H. Dreghorn. 1,869,187 ; July 26.
Electric machine, Dynamo. V. G. Apple. 1,875,205 ; Aug. 30.
Electric machine, Dynamo. V. G. Apple. 1,891,076 ; Dec. 13.
Electric machine, Dynamo. R. A. M. Baudry and C. J. Pestlemer. 1,847,207 ; Mar. 1.
Electric machine, Dynamo. S. G. Brown. 1,881,350 ; Oct. 4.
Electric machine, Dynamo. G. R. Chervenka. 1,870,237 ; Aug. 9.
Electric machine, Dynamo. F. Creedy. 1,859,196 ; May 17.
Electric machine, Dynamo. D. B. Hoseason. 1,857,023 ; May 3.
Electric machine, Dynamo. L. D. Jones. 1,869,152 ; July 26.
Electric machine, Dynamo. B. McCormick. 1,870,292 ; Aug. 9.
Electric machine, Dynamo. M. D. Ross and B. A. Rose. 1,871,238 ; Aug. 9.
Electric machine, Dynamo. H. L. Schermerhorn. 1,846,907 ; Feb. 23.
Electric machine, Dynamo. R. H. Sullivan. 1,844,721 ; Feb. 9.
Electric machine, Dynamo. A. F. Welch. 1,852,829 ; Apr. 5.
Electric machine, Dynamo. J. Wolkoff. 1,856,146 ; May 3.
Electric machine field element and making it, Dynamo. V. G. Apple. 1,849,263 ; Mar. 15.
Electric machine field element, Dynamo. V. G. Apple. 1,858,810 ; May 17.
Electric machine regulating system, Dynamo. F. W. Meyer. 1,862,233 ; June 7.
Electric machine winding, Dynamo. V. G. Apple. 1,849,215 ; Mar. 15.
Electric machine with improved cooling means, Dynamo. V. G. Apple. 1,858,871 ; May 17.
Electric machine with improved cooling means, Dynamo. V. G. Apple. 1,881,343 ; Oct. 4.
Electric machines, Brush actuating means for dynamo. G. A. Waters. 1,862,773 ; Jan. 26.
Electric machines, Construction of dynamo. R. D. Ball and H. A. Brown. 1,850,578 ; Mar. 22.
Electric machines, Protection of dynamo. E. G. Merrick. 1,867,416 ; July 12.
Electric meter. K. G. Goode. 1,843,320 ; Feb. 2.
Electric meter. J. H. Miller. 1,877,008 ; Sept. 13.
Electric meter, Printing. D. K. McIlvaine. 1,839,797 ; Jan. 5.
Electric mold. J. F. Osborne. 1,864,666 ; June 28.
Electric motor. W. Anderson. 1,859,457 ; Jan. 5.
Electric motor. L. F. Bozia. 1,863,294. June 14.
Electric motor. G. L. Bossard. 1,851,543 ; Mar. 29.
Electric motor. E. G. Gaubert. 1,843,966 ; Jan. 26.
Electric motor. F. Janssen. 1,852,807 ; Apr. 5.
Electric motor. F. S. Kingston. 1,853,865 ; Apr. 12.
Electric motor. F. S. Kingston. 1,872,595 ; Aug. 16.
Electric motor. J. Lanz. 1,842,031 ; Jan. 19.
Electric motor. R. Lee. 1,857,202 ; May 10.
Electric motor. L. J. Lesh. 1,855,859 ; Apr. 26.
Electric motor. E. F. Moodyman. 1,886,040 ; Nov. 1.

Electric motor. E. J. Orrington. 1,878,534; Sept. 20.
Electric motor. H. E. Warren. 1,862,356; June 7.
Electric motor. H. E. Warren. 1,862,376; June 7.
Electric motor. W. Williams. 1,890,800; Dec. 13.
Electric motor. J. Wolkoff. 1,856,147; May 3.
Electric motor. J. Zetsche, N. Petersen, and J. Sinclair-Ross. 1,845,386; Feb. 16.
Electric motor. J. Zetsche, N. Petersen, and J. Sinclair-Ross. 1,873,171; Aug. 23.
Electric motor, oil filled submergible. A. Arutunoff. 1,855,274; Apr. 26.
Electric motor, Submergible. E. Mendenhall and J. B. Van Horn. 1,879,625; Sept. 27.
Electric motor transmission. R. T. Wise. 1,872,861; Aug. 23.
Electric motor transmission, Constant mesh gear. R. T. Wise. 1,872,862; Aug. 23.
Electric operating mechanism. W. G. Horn. 1,878,777; Sept. 20.
Electric oscillations, Apparatus for amplifying. C. T. Jacobs. 1,867,746; July 19.
Electric oscillations, Device for regulating the frequency of. B. van der Pol. 1,876,102; Sept. 6.
Electric oscillations into mechanical vibrations, Converting. G. Holst and E. Oosterhuis. 1,866,565; July 12.
Electric oscillator, Piezo. R. S. Ohl. 1,858,339; May 17.
Electric plating bath. J. F. K. McCullough and B. W. Gilchrist. 1,863,869; June 21.
Electric power, means of wind, Generating. A. Beldimano. 1,876,595; Sept. 13.
Electric power converting apparatus. F. W. Frink. 1,891,924; Dec. 27.
Electric power device. E. H. Peters and H. H. Fenton. 1,851,725; Mar. 29.
Electric power distributing systems, Apparatus for the supervision of. A. Schleicher. 1,879,887; Sept. 27.
Electric power switch. J. M. Van Splunter. 1,887,742; Nov. 15.
Electric power unit and construction for the same. J. D. Christian. 1,860,703; May 31.
Electric precipitator. L. Day. 1,869,335; July 26.
Electric protection device for bank vaults, etc. R. M. Hopkins and F. P. McIntosh. 1,867,834; July 19.
Electric radiator fire. S. Z. de Ferranti. 1,868,411; July 19.
Electric railway system. H. K. Whitehorn. 1,885,662; Nov. 1.
Electric reciprocating motor. J. A. Flint. 1,846,326; Feb. 23.
Electric rectifying apparatus. S. Spagnola. 1,848,279; Mar. 8.
Electric regulating switch. A. S. Anninnsen and J. Oftedal. 1,873,527; Aug. 23.
Electric regulating system. L. W. Thompson. 1,847,910; Mar. 1.
Electric regulating system. M. Zucker. 1,857,174; May 10.
Electric regulation. J. L. Creveling. 1,850,449; Mar. 22.
Electric regulator. H. R. Crago. 1,872,681; Aug. 23.
Electric regulator. H. Güttinger. 1,857,449; May 10.
Electric regulator. H. Güttinger. 1,873,961; Aug. 30.
Electric regulator. H. M. Stoller. 1,874,716; Aug. 30.
Electric regulator. M. Zucker. 1,851,692; Mar. 29.
Electric remote control apparatus. G. Douglass and S. R. Wright. 1,868,902; July 19.
Electric resistance. A. Lampl. 1,878,153; Sept. 20.
Electric resistance furnace. L. Högel. 1,889,362; Nov. 29.
Electric rotary furnace. B. M. S. Kalling and C. von Delwig. 1,870,053; Aug. 2.
Electric safety clothes wringer. C. N. Perry. 1,886,727; Nov. 8.
Electric selector mechanism. H. L. Krum. 1,863,225; June 14.
Electric shade and awning control. M. A. Standow. 1,853,704; Apr. 12.
Electric sign-socket flasher. L. Ludwig. 1,861,159; May 31.
Electric signaling. L. Begin. 1,862,106; June 7.
Electric signaling. L. Bégin. 1,878,757; Sept. 20.
Electric snap switch. A. Prager. 1,892,537; Dec. 27.
Electric socket switch. A. R. Wolfe. 1,878,255; Sept. 20.
Electric soldering iron. Z. Kuriyama. 1,881,698; Oct. 11.
Electric station. S. Cornelissen, called Cornell, H. D. Freitag, and P. Sporn. 1,884,579; Oct. 25.
Electric storage battery. F. Menzel. 1,884,071; Oct. 25.
Electric supply system. K. Schmidt. 1,849,336; Mar. 15.
Electric switch. C. D. Ainsworth. 1,882,687; Oct. 18.
Electric switch. J. H. Allen. 1,851,341; Mar. 29.
Electric switch. A. Amos. 1,854,919; Apr. 19.
Electric switch. A. E. Angold. 1,850,703; Mar. 22.
Electric switch. V. G. Apple. 1,856,407; May 3.
Electric switch. A. Attwood. 1,887,553; Nov. 15.
Electric switch. A. O. Austin. 1,847,463; Mar. 1.
Electric switch. A. O. Austin. 1,868,482; July 26.
Electric switch. A. O. Austin. 1,882,728; Oct. 18.
Electric switch. H. W. Batchelier. 1,870,599; Aug. 9.
Electric switch. H. W. Batchelier. 1,886,517; Nov. 8.
Electric switch. W. J. Bauroth. 1,853,251; Apr. 12.
Electric switch. A. J. Blake and P. J. Tiffany. 1,866,922; July 12.
Electric switch. F. A. Blashfield. 1,873,269; Aug. 23.
Electric switch. A. A. Bull and W. A. Wood. 1,890,842; Dec. 13.
Electric switch. P. C. Butte. 1,872,618; Aug. 16.
Electric switch. A. G. Cantwell. 1,843,106; Feb. 2.
Electric switch. F. E. Carlson. 1,851,157; Mar. 29.
Electric switch. E. Chapman. 1,884,569; Oct. 25.
Electric switch. J. M. Cleveland. 1,891,799; Dec. 20.
Electric switch. J. A. Cook. 1,872,122; Aug. 16.
Electric switch. J. A. Crabtree. 1,850,661; Mar. 22.
Electric switch. G. H. Dorgeloh and T. I. Mashin. 1,853,964; Apr. 12.
Electric switch. H. A. Douglas. 1,873,313; Aug. 23.
Electric switch. H. A. Douglas. 1,875,874; Sept. 13.
Electric switch. H. A. Douglas. 1,875,878; Sept. 13.
Electric switch. G. H. Elwell. 1,861,178; May 31.
Electric switch. G. H. Elwell. 1,882,245; Oct. 11.
Electric switch. E. A. France and H. G. Knorderer. 1,888,853; Nov. 22.
Electric switch. A. C. Gaynor. Re18,385; Mar. 15.
Electric switch. A. C. Gaynor. 1,852,772; Apr. 5.
Electric switch. A. C. Gaynor. 1,885,709; Nov. 1.
Electric switch. B. E. Getchell. 1,886,477; Nov. 8.
Electric switch. R. G. Gresesky. 1,866,406; July 5.
Electric switch. S. S. Green. 1,868,460–1; July 19.
Electric switch. T. T. Greenwood. 1,873,338; Aug. 23.
Electric switch. C. Gregg. 1,842,202; Jan. 19.
Electric switch. S. A. Griswold. 1,849,922; Mar. 15.
Electric switch. A. E. Griswold. 1,869,936; Aug. 2.
Electric switch. C. E. Hammell. 1,886,993; Nov. 11.
Electric switch. H. J. Hammerly. 1,851,248; Mar. 29.
Electric switch. H. J. Hammerly. 1,854,404; Apr. 19.
Electric switch. H. J. Hammerly. 1,859,515; Apr. 19.
Electric switch. J. A. Handford. 1,865,315; June 28.
Electric switch. J. D. Hilliard. 1,854,990; Apr. 19.
Electric switch. E. B. Jacobi. 1,862,117; June 7.
Electric switch. E. Kayser. 1,865,697; July 5.
Electric switch. R. Keller. 1,889,479; Nov. 29.
Electric switch. P. S. Klugston and B. L. Conley. 1,864,654; June 28.
Electric switch. F. O. Kuhn. 1,889,334; Nov. 29.
Electric switch. A. Kuzmeth. 1,858,243; May 17.
Electric switch. J. J. Lewis. 1,883,559; Oct. 22.
Electric switch. O. Lorenzo and J. W. Conway. 1,848,733; Mar. 8.
Electric switch. L. V. Lucia. 1,877,923; Sept. 20.
Electric switch. J. B. Luther. 1,886,284; Nov. 1.
Electric switch. P. J. McManaman. 1,847,407; Mar. 1.
Electric switch. G. J. Meier. 1,846,450; Feb. 23.
Electric switch. G. J. Meuer. 1,854,211; Apr. 19.
Electric switch. G. J. Meuer. 1,882,857; Oct. 18.
Electric switch. G. J. Meuer. 1,889,260; Nov. 29.
Electric switch. A. H. Neureuther. 1,869,610; Aug. 2.
Electric switch. T. J. Newman. 1,887,420; Nov. 8.
Electric switch. C. H. Nichols. 1,892,573; Dec. 27.
Electric switch. H. E. Norviel. 1,844,789; Feb. 9.
Electric switch. H. E. Norviel. 1,884,147; Oct. 25.
Electric switch. F. Perrotti. 1,886,153; Nov. 1.
Electric switch. L. M. Persons. 1,874,116; Aug. 30.
Electric switch. L. A. M. Phelan. 1,847,034; Feb. 23.
Electric switch. L. A. M. Phelan. 1,847,037; Feb. 23.
Electric switch. F. P. Reid and J. C. Hubbell. 1,853,542; June 14.
Electric switch. E. C. Raney. 1,850,771; Mar. 22.
Electric switch. A. C. Rowley. 1,882,674; Oct. 18.
Electric switch. C. A. Schaefer. 1,859,605; May 24.
Electric switch. W. Schmid. 1,877,058; Sept. 13.
Electric switch. F. Schwien. 1,862,246; June 7.
Electric switch. L. C. Shippy. 1,853,087; Apr. 12.
Electric switch. F. W. Slady and O. Kupferman. 1,860,961; May 31.
Electric switch. J. C. Stearns. 1,892,542; Dec. 27.
Electric switch. H. Steinhart. 1,884,341; Oct. 25.
Electric switch. C. Thumlin. 1,848,853; Mar. 8.
Electric switch. W. C. Tregoning. 1,883,125–6; Oct. 18.
Electric switch. W. C. Tregoning. 1,886,433; Nov. 8.
Electric switch. E. R. Turner. 1,873,797; Aug. 23.
Electric switch. E. J. von Henke. 1,843,937; Feb. 9.
Electric switch. G. B. Wadsworth. 1,856,448; May 3.
Electric switch. W. R. Walker. 1,844,413; Feb. 9.
Electric switch. E. F. Weston. 1,841,269; Jan. 12.
Electric switch. J. D. Wood. 1,843,147; Feb. 2.
Electric switch, Double pole. W. F. Ramsay. 1,852,899; Apr. 5.
Electric switch, Enclosed. M. B. Wood. 1,866,333; July 5.
Electric switch, Float operated. C. H. Teesdale. 1,869,030; July 26.
Electric switch, Fluid operated. C. E. Carpenter. 1,845,696; Jan. 12.
Electric switch, High tension. H. B. Massey. 1,856,840; May 3.
Electric switch, Multibreak. C. D. Ainsworth. 1,878,657; Sept. 20.
Electric switch, Platen-mounted. W. S. Edsall. 1,869,859; Aug. 2.
Electric switch, Safety. L. E. Koch. 1,856,077; May 3.
Electric switch, Temperature controlled. O. A. Ross. 1,867,379; July 12.
Electric switch, Thermostatic. L. Reichold. 1,848,749; Mar. 8.
Electric switch, Two-way. F. L. Harris. 1,851,358; Mar. 29.
Electric switch, Venting. G. A. Burnham. 1,846,841; Feb. 23.

Electric switching device, Automatic. H. A. H. Nijland. 1,840,969; Jan. 12.
Electric switching machine. R. E. Tafel. 1,883,090; Oct. 18.
Electric switching mechanism. H. A. Douglas. 1,876,872; Sept. 13.
Electric synchronizing apparatus. T. R. Warren. 1,851,790; Mar. 29.
Electric synchronizing system. A. J. Maddock. 1,874,774; Aug. 30.
Electric system for energizing cutting electrodes. A. Muskeller. 1,889,689; Nov. 29.
Electric system for recording and reproducing sound. E. H. Hansen. 1,857,451; May 10.
Electric system for recording and reproducing sound. E. H. Hansen. 1,860,502; May 31.
Electric systems, Protection of. O. C. Traver. 1,854,965; Apr. 19.
Electric terminal. T. J. Scofield. 1,845,447; Feb. 16.
Electric terminal clip. P. A. Eyrick. 1,877,850; Sept. 20.
Electric time switch. A. Friedinger. 1,879,169; Sept. 27.
Electric time switch. A. Hipp. 1,882,495; Oct. 11.
Electric traction system. R. Rougé. 1,859,343; May 24.
Electric transfer for tabulating machines. J. W. Bryce. 1,882,764; Oct. 18.
Electric transfer mechanism. G. F. Daly and R. E. Page. 1,880,422; Oct. 4.
Electric transmitter for transmitting values of angles. R. Lang. 1,853,784; Apr. 12.
Electric truck switch. C. O. Seaton. 1,884,884; Oct. 25.
Electric tube. C. F. W. Bates. 1,841,427; Jan. 19.
Electric tube, Vacuum. E. Y. Robinson. 1,850,809; Mar. 22.
Electric upsetting apparatus. G. Benedetto. 1,867,935–6; July 19.
Electric upsetting machine. G. Benedetto. 1,887,179; Nov. 8.
Electric vanity case. J. Hirsh. 1,889,143; Nov. 29.
Electric waffle iron. L. C. Strite. 1,887,966; Nov. 15.
Electric water heater. R. Grierson. 1,891,595; Dec. 20.
Electric water heating device. L. Wyner and J. L. Wheeler. 1,864,035; June 21.
Electric wave generating device, Variable directional. H. Yagi. 1,860,123; May 24.
Electric wave indicator. F. Schneider. 1,846,910; Feb. 23.
Electric wave transmission system. R. A. Heising. 1,884,675; Oct. 25.
Electric wave transmission system. A. G. Jensen. 1,884,711; Oct. 25.
Electric wave transmitting system. H. T. Friis. 1,867,356; July 12.
Electric waves, Generation and modulation of. R. A. Heising. 1,848,126; Mar. 8.
Electric waves, Generation of. G. M. Thurston. 1,854,432; Apr. 19.
Electric waves, Production of short. H. E. Hollmann. 1,877,872; Sept. 20.
Electric welder. F. P. McBerty. 1,857,060; May 3.
Electric welding apparatus. D. F. Pancoast. 1,863,933; June 21.
Electric welding machine. H. S. Holmes. 1,890,057; Dec. 6.
Electric welding machine. G. A. Lutz. 1,889,413; Nov. 29.
Electric welding machine. D. Sciaky. 1,888,148; Nov. 15.
Electric welding pressure vessels. H. J. Burnish. 1,871,526; May 10.
Electric welding system. H. E. Parker and S. M. Stewart. 1,864,610; June 28.
Electric wires and for binding the end of the insulation, Apparatus for stripping. A. Reitzig. 1,867,712; July 19.
Electric wiring apparatus. V. R. Despard. 1,875,224; Aug. 30.
Electrical amplifying system. W. J. Brown. 1,849,477; Mar. 15.
Electrical apparatus. J. W. Allen. 1,891,702; Dec. 20.
Electrical apparatus. P. H. Craigo. 1,846,708; Feb. 23.
Electrical apparatus. J. F. Cullin. 1,882,779; Oct. 18.
Electrical apparatus. H. J. Dick. 1,871,962; Aug. 16.
Electrical apparatus. E. Dickey. 1,842,509; Jan. 26.
Electrical apparatus. E. Dickey. 1,871,881; Aug. 16.
Electrical apparatus. P. H. Dowling. 1,852,704; Apr. 5.
Electrical apparatus. R. J. Emmert. 1,885,596; Nov. 1.
Electrical apparatus. E. S. Flarsheim. 1,851,504; Mar. 29.
Electrical apparatus. C. H. Hill. 1,859,260; May 17.
Electrical apparatus. A. G. Hovey. 1,842,970; Jan. 26.
Electrical apparatus. C. A. Jackson. 1,880,203; Oct. 4.
Electrical apparatus. R. H. Kingdon. 1,873,426; Aug. 23.
Electrical apparatus. R. P. Lansing. 1,891,676; Dec. 20.
Electrical apparatus. F. H. Maurer. 1,873,613; Aug. 23.
Electrical apparatus. E. B. Newill. 1,844,519; Feb. 9.
Electrical apparatus. E. B. Newill. 1,885,621; Nov. 1.
Electrical apparatus. E. B. Nowosielski. 1,853,220; Apr. 12.
Electrical apparatus. V. T. Paré. 1,872,799; Aug. 23.
Electrical apparatus. L. A. M. Phelan and C. Hotchkiss. 1,847,033; Feb. 23.
Electrical apparatus. W. S. Purser. 1,865,210; June 28.
Electrical apparatus. F. Sieber. 1,873,983; Aug. 30.
Electrical apparatus. C. G. Smith. Re18,368; Mar. 1.
Electrical apparatus. A. J. Sorensen. 1,845,451; Feb. 16.
Electrical apparatus. F. Le B. Spencer. 1,884,327; Oct. 25.
Electrical apparatus. F. F. Starr. 1,871,926; Aug. 16.
Electrical apparatus. W. C. Wells and W. E. Wendt. 1,869,640; Aug. 2.
Electrical apparatus. W. E. Wendt. 1,873,168–9; Aug. 23.
Electrical apparatus and making terminal strips therefor. C. H. Thordarson. 1,884,385; Oct. 25.
Electrical apparatus and making the same. H. Baum. 1,841,030; Jan. 19.
Electrical apparatus and manufacturing it. L. O. Larsen. 1,885,275; Nov. 22.
Electrical apparatus including electrical condensers, High tension. W. H. Priess. 1,865,137; June 28.
Electrical apparatus, Metal inclosed. H. J. Huber. 1,843,723; Feb. 2.
Electrical apparatus, Protection of. J. Bethenod. 1,850,125; May 17.
Electrical appliance. R. C. Johnson. 1,882,385; Oct. 11.
Electrical appliance. J. G. Parkin. 1,862,096; June 7.
Electrical bonding device. S. W. Borden. 1,860,800; May 31.
Electrical branding device. W. C. Haynes. 1,850,280; Mar. 22.
Electrical capacity, Varying. F. W. Gay. 1,880,346; Oct. 4.
Electrical capacitor. W. M. Bailey. 1,889,522; Nov. 29.
Electrical circuit system. A. Diodati. 1,867,212; July 12.
Electrical coil and manufacturing it. J. S. Bishop. 1,885,398; Nov. 29.
Electrical coil and manufacturing it. H. Schwartzmann. 1,889,421; Nov. 29.
Electrical communication. W. L. Carlson. 1,854,884; Apr. 19.
Electrical commutator machine. G. Guerin. 1,880,388; Oct. 4.
Electrical condenser and making the same. G. W. Pickard. 1,892,362; Dec. 27.
Electrical condensers, Impregnation of. H. I. Danziger and H. Kevelson. 1,845,541; Feb. 2.
Electrical connecter. J. M. Gribble. 1,847,689; Mar. 1.
Electrical connecter. G. Herbster. 1,845,838; Feb. 16.
Electrical connecter. H. G. Lapsley. 1,891,935; Dec. 27.
Electrical connecter. R. B. Wolcott. 1,856,681; May 3.
Electrical connecting device. R. O. Eaton. 1,891,920; Dec. 27.
Electrical connecting device. J. G. Peterson. 1,880,151; Sept. 27.
Electrical connecting device. P. F. Williams. 1,840,072; Jan. 5.
Electrical connector and terminal. H. Barth. 1,856,018; Apr. 26.
Electrical contact. J. T. Butterfield. 1,871,858; Aug. 9.
Electrical contact. B. W. Jones and C. F. Carpenter. 1,849,837; Mar. 15.
Electrical contact. C. A. Laise. 1,891,050; Dec. 13.
Electrical contacting element. J. A. Weiger. 1,860,793; May 31.
Electrical contactor. J. Slepian. 1,840,292; Jan. 5.
Electrical contact pad. G. A. Zerne. 1,889,271; Nov. 29.
Electrical control apparatus. G. O. Wilms. 1,839,938; Jan. 5.
Electrical control device. J. Kremer. 1,874,548; Aug. 30.
Electrical control device. V. G. Leach. 1,881,719; Oct. 11.
Electrical control for servo-motors. A. Dewandre. 1,878,822; Sept. 20.
Electrical control means for trolley buckets. H. E. Hallenbeck. 1,890,539; Dec. 13.
Electrical control of fluid pressure. O. C. Wright. 1,891,791; Aug. 2.
Electrical control of the feed of planers and like machine tools. J. C. and R. D. Shaw. 1,871,224; Aug. 9.
Electrical control system. F. D. Potter. 1,889,003; Nov. 29.
Electrical control system. H. T. Seeley. 1,879,545; Sept. 27.
Electrical control system. P. M. Stivender. 1,844,720; Feb. 9.
Electrical control system. L. W. Thompson. 1,844,704; Feb. 9.
Electrical control systems, Apparatus for. A. J. Sorensen. 1,852,404; Oct. 4.
Electrical controller system. J. A. Berrian. 1,861,204; May 31.
Electrical controls, Adjustable means for mounting. I. E. McCabe. 1,884,046; Oct. 25.
Electrical cord take-up device. I. L. Bettinger. 1,888,258; Nov. 22.
Electrical cord terminal. J. A. Idank. 1,875,241; Aug. 30.
Electrical cord terminal. N. H. Watts. 1,884,432; Oct. 25.
Electrical coupling system. L. A. Gebhard. 1,890,034; Dec. 6.
Electrical device. G. E. Wadsworth. 1,856,858; May 3.
Electrical device and forming insulating dielectrics therein. W. M. Bailey. 1,892,375; Dec. 27.
Electrical device for operating rear curtains of automobiles. R. Ridpath and J. L. Hagle. 1,885,766; Nov. 1.
Electrical devices, Apparatus for connecting. J. Yolles. 1,883,268; Oct. 18.

Electrical devices, Impregnating. F. M. Clark. 1,877,644; Sept. 13.
Electrical discharge device. W. F. Hendry. 1,850,585; Mar. 22.
Electrical discharge device. I. Langmuir and K. H. Kingdon. 1,892,244; Dec. 27.
Electrical discharge device. F. S. McCullough. 1,885,125; Nov. 1.
Electrical discharge device, Luminous. R. E. Vollrath. 1,851,532; Mar. 29.
Electrical distant control. E. Boder. 1,844,558–9; Feb. 9.
Electrical distant control apparatus for the fire control of ordinance and for other purposes. N. E. Methlin. 1,843,881; Feb. 2.
Electrical distribution. H. S. Arnold and R. C. Wilson. 1,878,573; Sept. 20.
Electrical distribution protective system. G. E. Jansson. 1,859,447; May 24.
Electrical distribution regulating system for railway cars. P. S. Westcott. 1,883,198; Oct. 18.
Electrical distribution system. A. R. Smith. 1,851,687; Mar. 29.
Electrical distribution, System of. T. S. Cole. 1,868,046; July 19.
Electrical distribution, System of. R. D. Duncan, jr. 1,891,190; Dec. 13.
Electrical distribution, System of. F. W. Gay. 1,852,803; Apr. 5.
Electrical distribution, System of. A. Hund. 1,888,555; Nov. 22.
Electrical distributing system. J. P. Medlin. 1,887,695; Nov. 15.
Electrical distribution, System of. E. W. Seeger. 1,860,626; May 31.
Electrical element. J. S. Timmons. 1,869,220; July 26.
Electrical element and producing the same. W. C. Geer. 1,888,792; Nov. 22.
Electrical energy, Apparatus for converting or transforming. W. S. Eaton. 1,842,341; Jan. 19.
Electrical energy, Device for measuring. W. S. Eaton. 1,842,344; Jan. 19.
Electrical energy into rotary oscillation of a mass, Converting. W. Spith. 1,863,948; June 21.
Electrical fitting. G. A. Johnson. 1,881,318; Oct. 4.
Electrical fixture. E. J. Huebner. 1,842,025; Jan. 19.
Electrical frequency changer. O. P. McCarty and A. Boyajian. 1,875,320; Aug. 30.
Electrical gate control. H. E. Baker. 1,856,942; May 3.
Electrical generating system. W. E. Bower. 1,884,547; Oct. 25.
Electrical generating system. E. W. Seeger. 1,851,989; Apr. 5.
Electrical hair waver. T. I. Moseley. 1,875,882; Sept. 6.
Electrical heater. E. R. Evans. 1,868,005; July 19.
Electrical heating apparatus. H. N. Shaw. 1,849,595; Mar. 15.
Electrical heating device. W. W. Hicks. 1,878,140; Sept. 20.
Electrical heating element. G. Bray. 1,879,728; Sept. 27.
Electrical heating element. G. Bray. 1,892,298; Dec. 27.
Electrical illuminating device. L. Propp. 1,887,785; Nov. 15.
Electrical impulses for producing pictures and sound, Recording. H. T. Leeming. 1,841,540; Jan. 19.
Electrical impulses, Method of and apparatus for recording and reproducing. R. E. Rutherford. 1,891,780; Dec. 20.
Electrical indicating, measuring, relay and like arrangements responsive to frequency. B. A. G. Churcher. 1,877,243; Aug. 16.
Electrical indicating system. M. L. and P. S. Haselton. 1,890,878; Dec. 13.
Electrical induction apparatus. G. A. Matthews. 1,846,887; Feb. 23.
Electrical induction apparatus. W. E. Ruder. 1,857,215; May 10.
Electrical induction apparatus. Z. O. St. Palley. 1,869,176; July 26.
Electrical induction apparatus. Z. O. St. Palley. 1,883,830; Oct. 18.
Electrical instruments, Method and apparatus for calibrating. H. P. Spurrier. 1,864,771; June 28.
Electrical interlock. R. S. Peelle. 1,872,329; Aug. 16.
Electrical lead-in devices, Production of. W. R. Walker. 1,878,212; Sept. 20.
Electrical lighting set for Christmas trees or the like. C. J. L. Fischer. 1,843,389; Feb. 2.
Electrical make-and-break contact and composition therefor. J. A. Weiger. 1,877,261; Sept. 13.
Electrical means for operating or raising and lowering railway booms and the like. A. Butterworth and N. J. Viken. 1,879,919; Sept. 27.
Electrical measurement, Method and apparatus for. F. A. Pearson. 1,864,092; June 21.
Electrical measuring instrument. I. W. Brogger. 1,889,310; Nov. 29.
Electrical measuring instrument. R. D. Hickok. 1,889,361; Nov. 29.
Electrical measuring instrument. B. P. Romain. 1,861,720; June 7.
Electrical phonograph pick-up and apparatus. W. B. Jones. 1,855,151; Apr. 19.
Electrical potential, Apparatus for generating. S. Ruben. 1,843,698; Feb. 2.
Electrical potential, Apparatus for generating. S. Ruben. 1,847,671; Mar. 1.
Electrical potential, Generating. S. Ruben. 1,847,670; Mar. 1.
Electrical potentials, Measuring high. L. Binder and H. Heyne. 1,854,640; Apr. 19.
Electrical precipitation. S. P. Miller. 1,884,085–6; Oct. 25.
Electrical precipitation apparatus. H. B. Rüder. 1,882,949; Oct. 18.
Electrical precipitation, Apparatus for. H. A. Winternute and C. W. J. Hedberg. 1,888,022; Nov. 15.
Electrical precipitator. F. Seipp. 1,848,579; Mar. 8.
Electrical precipitator. C. H. Weiskopf. 1,846,169; Feb. 23.
Electrical product registering apparatus. A. F. Spitzglass. 1,847,105; Mar. 1.
Electrical prospecting. C. R. Nichols and S. H. Williston. 1,841,376; Jan. 19.
Electrical prospecting. C. R. Nichols and S. H. Williston. 1,841,975–6; Jan. 19.
Electrical prospecting. C. R. Nichols and S. H. Williston. 1,842,361–2; Jan. 19.
Electrical prospecting. C. R. Nichols and S. H. Williston. 1,863,542; June 14.
Electrical prospecting. R. M. Nichols. 1,841,977; Jan. 19.
Electrical prospecting apparatus. T. Zuschlag. 1,884,496; Oct. 25.
Electrical protective system. L. K. Swart. 1,879,773; Sept. 27.
Electrical protective device. F. W. Young. 1,874,407; Aug. 30.
Electrical protective system. P. E. Cook. Re18,677; Nov. 29.
Electrical purification of water. W. F. Hoffman and R. A. Gortner. 1,878,237; Sept. 20.
Electrical rectifier. P. H. Geiger and C. K. Strobel. 1,861,083; May 31.
Electrical rectifier. S. M. Lucas. 1,869,017; July 26.
Electrical rectifying and stabilizing apparatus. W. S. Werner. 1,870,937; Aug. 9.
Electrical regulating apparatus. E. R. Evans. 1,844,149; Feb. 9.
Electrical regulating apparatus. R. M. Gilson. 1,865,562; July 5.
Electrical regulating apparatus. L. W. Thompson. 1,875,279; Aug. 30.
Electrical regulating means. L. W. Thompson. 1,843,745; Feb. 2.
Electrical regulating means. L. W. Thompson. 1,878,350; Sept. 20.
Electrical regulating system. F. A. Byles. 1,865,410; June 28.
Electrical regulating system. M. Jackwirth. 1,883,928; Oct. 25.
Electrical regulating system. L. H. Junken. 1,843,724; Feb. 2.
Electrical regulating system. K. Yamazaki. 1,848,860; Mar. 8.
Electrical regulator. L. R. Biggs. 1,841,082; Jan. 12.
Electrical regulator. A. Boyajian and E. V. De Bleux. 1,870,093; Aug. 2.
Electrical regulator. C. A. Nickle. 1,870,064; Aug. 2.
Electrical regulator. F. Jahn. 1,847,877; Mar. 1.
Electrical regulator. M. Kitamura and K. Hamazaki. 1,848,859; Mar. 8.
Electrical regulator. K. H. May. 1,840,518; Jan. 12.
Electrical regulator. L. W. Thompson. 1,848,852; Mar. 8.
Electrical regulator. L. W. Thompson. 1,875,280; Aug. 30.
Electrical regulator, Combination. T. A. E. Belt. 1,849,820; Mar. 15.
Electrical relay. P. N. Martin. 1,890,525; Dec. 13.
Electrical relay. P. N. Martin. 1,891,026; Dec. 13.
Electrical relay. F. H. Winter. 1,873,950; Aug. 30.
Electrical relay and the like. E. F. Weston. 1,866,436; July 5.
Electrical relay arrangement. L. M. Simpson. 1,866,678; July 12.
Electrical relay system. P. H. Dowling. 1,875,859; Sept. 6.
Electrical remote control system. J. Vopel and R. Oetker. 1,890,891; Dec. 13.
Electrical reproducer. R. T. Cloud. 1,864,890; June 28.
Electrical resistance. J. Riotte. 1,862,428; June 7.
Electrical resistance device. E. N. Lightfoot. 1,889,445; Nov. 29.
Electrical resistance device. B. O. Templeton. 1,883,098; Oct. 18.
Electrical resistance element and producing the same. F. Eichenberger. 1,842,088; Jan. 19.
Electrical resistance element, Making an. S. Ruben. 1,889,379; Nov. 29.
Electrical resistance elements, Method of and apparatus for producing. Y. D. Barker. 1,855,876; Apr. 26.
Electrical resistance unit. C. L. Weichelt. 1,876,116; Sept. 6.
Electrical resistances, Manufacturing. I. Silberstein. 1,859,112; May 17.
Electrical signal amplifying apparatus. W. L. Carlson and D. Wilson. 1,887,541; Nov. 15.

Electrical signal system. J. H. Wheelock. 1,848,148; Mar. 8.
Electrical signaling. M. L. Haselton. 1,890,876; Dec. 13.
Electrical signaling. M. L. Haselton. 1,890,877; Dec. 13.
Electrical steering device. F. E. Fisher. 1,863,567; June 21.
Electrical structure. W. Dubilier. 1,874,926; Aug. 30.
Electrical switch. A. P. Ball. 1,852,871; Apr. 5.
Electrical switch. J. C. Bogle. 1,883,245; Oct. 18.
Electrical switch. W. L. Butler and W. H. Fabrey. 1,880,775; Oct. 4.
Electrical switch. N. B. Chace. 1,876,133; Sept. 6.
Electrical switch. W. B. Churcher. 1,887,883; Nov. 15.
Electrical switch. P. S. Jenkins. 1,842,453; Jan. 26.
Electrical switch. J. E. Jewett. 1,856,254; May 3.
Electrical switch. K. J. Jungbolm. 1,890,038; Dec. 6.
Electrical switch. T. J. Kauffman and J. A. Widmer. 1,863,224; June 14.
Electrical switch. B. J. Pepper. 1,864,369; June 21.
Electrical switch. L. A. M. Phelan. 1,883,241; Oct. 18.
Electrical switch. L. A. M. Phelan. 1,883,244; Oct. 18.
Electrical switch. G. A. Salinas. 1,855,612; Apr. 26.
Electrical switch. M. M. Samuels and T. Bocek. 1,852,336; Apr. 5.
Electrical switch. G. J. Schneider. 1,885,865; Nov. 1.
Electrical switch. N. J. Walsh and W. L. Butler. 1,860,876; May 31.
Electrical switch. N. J. Walsh. 1,860,877; May 31.
Electrical switch arrangement. E. J. Blake. 1,886,629; Nov. 1.
Electrical switch, Combination. E. Kaiser. 1,864,070; June 21.
Electrical switching apparatus. A. Cohn and W. Herden. 1,887,545; Nov. 15.
Electrical switching apparatus. L. Heidmann. 1,839,312; Jan. 5.
Electrical switching apparatus for picture projecting machines. A. Dina. 1,846,050; Feb. 23.
Electrical switching station. E. S. Corneliussen, called Cornell. 1,864,850; Oct. 25.
Electrical system. F. M. Slough. 1,885,048; Oct. 25.
Electrical system and appliance. S. E. Leonard, jr. 1,842,288; Feb. 2.
Electrical system, Automotive. W. J. Williams. 1,878,051; Sept. 20.
Electrical system, High frequency. A. H. Taylor and L. C. Young. 1,875,951; Sept. 6.
Electrical systems, Testing device for. C. K. Malott. 1,859,041; Mar. 29.
Electrical testing instrument. E. Schneider. 1,877,739; Sept. 13.
Electrical testing system. P. G. Edwards and T. C. Henneberger. 1,871,967; Aug. 16.
Electrical testing system. K. B. Lambert. 1,848,134; Mar. 8.
Electrical testing system and method. A. J. Christopher. 1,841,088; Jan. 12.
Electrical timing device. R. J. Wise. 1,845,993; Feb. 16.
Electrical transformer. J. B. Hansell. 1,852,651; Apr. 5.
Electrical translating apparatus. P. H. Dowling. 1,842,892; Jan. 26.
Electrical translating apparatus. C. W. Butler and A. T. Johnston. 1,885,328; Nov. 1.
Electrical translating apparatus. P. H. Dowling. 1,862,211–12; June 7.
Electrical translating apparatus. P. H. Dowling. 1,878,764; Sept. 20.
Electrical translating apparatus. P. H. Dowling. 1,891,044; Dec. 13.
Electrical translating apparatus. B. Lazich. 1,840,114; Jan. 5.
Electrical translating apparatus. F. W. Lee. 1,855,639; Apr. 26.
Electrical translating apparatus. A. J. Sorensen and P. H. Dowling. 1,862,203–4; June 7.
Electrical transmission of light by phase control. J. H. Hammond, jr. 1,860,541; May 24.
Electrical tube system. H. Mayer. 1,847,127; Mar. 1.
Electrical vacuum device. D. S. Gustin. 1,871,366; Aug. 9.
Electrical voting apparatus. M. F. Thompson. 1,877,150; Sept. 13.
Electrical welding apparatus. W. E. Crawford. 1,857,044; May 3.
Electrical welding apparatus. W. E. Crawford. 1,857,115; May 3.
Electrical winding. S. E. Johannesen. 1,865,256; June 28.
Electrical wiring system. N. P. Harshberger. 1,892,146; Dec. 27.
Electrically actuating machinery. K. Stroedter. 1,891,847; Dec. 20.
Electrically controlled brake. J. W. Thropp. 1,858,123; May 10.
Electrically controlled regulating means. W. H. J. Gerber. 1,885,196; Nov. 1.
Electrically driven system of instruments through keyboard and pedals. A. Barbieri. 1,874,154; Aug. 30.
Electrically energized motor. C. F. Wallace. 1,878,076; Sept. 20.
Electrically heated iron. N. B. Thomas. 1,860,301; May 24.
Electrically heated mat. G. Knopf. 1,873,601; Aug. 23.
Electricity, Detection of. H. E. Woodring. 1,884,950; Oct. 25.
Electricity generating apparatus. F. B. Haugen. 1,849,574; Mar. 15.
Electricity meter. A. L. Emens. 1,843,387; Feb. 2.
Electricity meter. A. L. Emens. 1,858,703; May 17.
Electricity meter. H. Hausch. 1,854,792; Apr. 19.
Electricity meter, Induction. S. Z. De Ferranti. 1,864,586; June 28.
Electricity meter, Induction. S. Z. De Ferranti. 1,891,143; Dec. 15.
Electricity meter, Induction. J. Harris. 1,856,554–5; May 3.
Electricity meter. R. Pudelko. 1,889,419; Nov. 29.
Electrocardiograph. R. H. Kruse. 1,882,402; Oct. 11.
Electrode. B. E. Broadwell and A. T. Hinckley. 1,851,119; Oct. 4.
Electrode. A. L. Goddard. 1,856,758; May 3.
Electrode. J. C. Hale. 1,843,510; Feb. 2.
Electrode. R. W. Reitherman. 1,856,737; May 3.
Electrode and applicator, Diathermic. G. A. Zerne. 1,889,272; Nov. 29.
Electrode and cage shaper, Combined. E. W. Little. 1,854,206; Apr. 19.
Electrode and composition for coating same, Cast iron welding. R. L. Scollard and T. D. Ketchbaw. 1,873,340; Aug. 23.
Electrode and making the same. F. Alexander and J. P. Gibson. 1,846,242; Feb. 23.
Electrode and making the same, Metal. F. Alexander and J. P. Gibson. 1,845,777; Feb. 16.
Electrode and method for welding cast iron. E. H. Waldman. 1,880,545; Oct. 4.
Electrode and other electron emitting device, Spark plug. O. S. Duffendack and H. Rabezann. 1,872,065; Aug. 16.
Electrode and preparing the same, Positive. G. Kränzlein, R. C. Müller, and A. W. Berlin. 1,879,904; Sept. 27.
Electrode and producing same, Carbonized. H. M. Elsey. 1,862,138; June 7.
Electrode, Arc lamp. S. W. Orne. 1,867,524; July 12.
Electrode, Arc lamp. M. Oswald. 1,862,422; June 7.
Electrode, Arc welding. W. B. Miller. 1,852,021; Apr. 5.
Electrode, Arc welding. E. Mino, J. McCann, M. Fischer, and T. D. Radcliffe. 1,872,320; Aug. 16.
Electrode, Carbonized non-emissive. C. B. Upp. 1,852,865; Apr. 5.
Electrode coating and method of welding. C. H. Hollup. 1,882,601; Oct. 11.
Electrode construction. E. A. Fritz. 1,871,363; Aug. 9.
Electrode construction. H. W. Jones. 1,842,176; Jan. 19.
Electrode construction. J. N. Smith. 1,865,216; June 28.
Electrode control mechanism, Arc welding. J. C. Lincoln. 1,860,014; July 26.
Electrode device. H. S. Hoffman. 1,849,745; Mar. 15.
Electrode, Diathermy. J. A. Huth. 1,853,814; Apr. 12.
Electrode, Discharge device. F. Skaupy. 1,852,826; Apr. 5.
Electrode, Discharge tube. F. Hotchner. 1,891,475; Dec. 20.
Electrode, Electric furnace. P. L. J. Miguet. 1,859,979; May 24.
Electrode for electric welding device. J. L. Niemann. 1,860,262; May 24.
Electrode elements for rectifiers and manufacturing the same. H. Shoemaker. 1,879,425; Aug. 9.
Electrode for electric arc welding, Coated. B. Turner. 1,863,772; June 21.
Electrode for electrical precipitation apparatus, Collecting. J. G. Gies. 1,854,650; Apr. 19.
Electrode for electrolytic apparatus. J. N. Smith. 1,856,663; May 3.
Electrode for gaseous conduction lamps and making same. F. Schaefer and O. S. Duffendack. 1,874,124; Aug. 30.
Electrode for gaseous conduction lamps and making same. F. Schaefer and O. S. Duffendack. 1,874,127; Aug. 30.
Electrode for gaseous discharge device. C. H. Thomas. 1,862,215; Jan. 19.
Electrode for glass melting furnaces. H. A. Wadman. 1,880,540; Oct. 4.
Electrode for luminous tubes. H. E. Metcalf. 1,852,020; Apr. 5.
Electrode for neon signs. J. J. Madine. 1,885,529; Nov. 1.
Electrode for neon tubes. H. Hilgenberg. 1,886,186; Nov. 1.
Electrode for Neon type of luminous tubes. R. C. Hyde. 1,860,419; May 31.
Electrode for neon vacuum tubes. R. C. Smalley. 1,877,204; Sept. 13.
Electrode for use in melting furnaces and forming the same. H. W. McIntosh. 1,889,516; Nov. 29.
Electrode for vapor gas electric devices. W. T. Anderson, jr., and H. D. Fraser. 1,890,926; Dec. 13.
Electrode, High speed welding. J. B. Austin. 1,882,311; Oct. 11.
Electrode, Mercury luminescent tube. M. G. Morris. 1,890,402; Dec. 6.
Electrode, Metallic arc welding. R. Stresau and J. J. Chyle. 1,857,521; May 10.
Electrode mounting for welding machines. H. E. White. 1,866,382; July 5.
Electrode, Pressure welding. M. M. Austin. 1,878,095; Sept. 20.
Electrode, Protected hydrogen. B. W. Rowland. 1,875,503; Sept. 6.

Electrode radiotrons, Multiple. A. B. Du Mont and P. T. Weeks. 1,857,589 ; May 10.
Electrode, Reference. H. E. Haring. 1,865,004 ; June 28.
Electrode spacer member for electron discharge devices. A. C. Blakeman. 1,870,943 ; Aug. 9.
Electrode structure for electrical discharge tubes. W. F. Hendry. 1,845,837 ; Feb. 16.
Electrode support. K. H. Kingdon and L. Touks. 1,866,358 ; July 5.
Electrode supporting means for electrical precipitators. K. Von Eberhard. 1,857,416 ; May 10.
Electrode, Thermionically inactive. J. L. Wuertz. 1,865,449 ; July 5.
Electrode, Welding. C. A. Cadwell. 1,871,257 ; Aug. 9.
Electrode, Welding. A. M. Candy. 1,866,160 ; June 28.
Electrode, Welding. H. J. Garbarek. 1,854,115 ; Oct. 25.
Electrodes, Apparatus for feeding electric furnace. J. G. Marshall. 1,892,100 ; Dec. 27.
Electrodes, Carbon coating. E. D. De Broske. 1,854,926 ; Apr. 19.
Electrodes, Device for mounting and operating. A. Franchini and P. Girod. 1,839,282 ; Nov. 29.
Electrodes for electrical precipitators, Making collecting. C. B. Clyne. 1,880,811 ; Oct. 4.
Electrodes for electrolytic apparatus. K. Baba. 1,851,481 ; Mar. 24.
Electrodes for storage batteries, Producing. P. Hagsphil. 1,880,249 ; Oct. 4.
Electrodes for use in arc welding. J. H. Paterson. 1,885,286 ; Nov. 22.
Electrodes of thermionic devices, Supporting the. H. J. Round and W. J. Picken. 1,863,142 ; June 28.
Electrodes of thermionic devices, Supporting the. H. J. Round and W. J. Picken. 1,879,514 ; Sept. 27.
Electrodes, Treating. R. M. Hunter and L. E. Ward. 1,868,206 ; July 19.
Electrodes, Treatment of. R. M. Hunter, L. C. Stewart, H. E. Mouser, and L. De Prez. 1,861,415 ; May 31.
Electrodialysis. R. A. Gortner and W. F. Hoffman. 1,878,235 ; Sept. 20.
Electrometer for printing machines, Quick-change. E. L. Murdock. 1,865,472 ; July 5.
Electro-kinetometer. L. M. Mott-Smith. 1,887,739 ; Nov. 15
Electrolier for telephone instrument. M. Barclay. Des. 86,556 ; Mar. 22.
Electroluminescent tube. R. R. Wiley. 1,854,357 ; Apr. 19.
Electro-luminous display. C. S. Howe. 1,882,609 ; Oct. 11.
Electrolysis. U. C. Tainton. 1,839,905 ; Jan. 5.
Electrolyte, Closed battery and apparatus therefor. J. J. Grebe and R. H. Boundy. 1,839,756 ; Jan. 5.
Electrolyte, Clarification of. T. Lewin. 1,890,856 ; Dec. 13.
Electrolyte control unit. D. W. Davis. 1,861,789 ; June 7.
Electrolyte for the manufacture of hydrogen peroxide. A. Bird. 1,861,673 ; June 7.
Electrolytic apparatus. H. H. Dow. 1,851,817 ; Mar. 29.
Electrolytic apparatus. H. C. Harrison. 1,864,490 ; June 21.
Electrolytic apparatus. A. E. Knowles. 1,856,218 ; May 3.
Electrolytic apparatus. A. E. Knowles. 1,866,472 ; July 5.
Electrolytic apparatus. J. S. McClenahan. 1,844,329 ; Feb. 9.
Electrolytic apparatus. L. E. Ward and R. M. Hunter 1,851,789 ; Mar. 29.
Electrolytic apparatus. L. E. Ward and R. M. Hunter. 1,859,385 ; June 14.
Electrolytic apparatus. A. G. Wensley and W. S. Jackson. 1,857,903 ; May 10.
Electrolytic bright dip for iron and steel. G. B. Hogaboom and W. R. King. 1,865,470 ; July 5.
Electrolytic cathode-diaphragm structure. K. E. Stuart. 1,862,244 ; June 7.
Electrolytic cell. J. E. Jewett. 1,888,677 ; Nov. 22.
Electrolytic cell. A. E. Knowles. 1,856,393 ; May 3.
Electrolytic cell. S. Ruben. 1,849,436 ; Mar. 15.
Electrolytic cell. J. N. Smith. 1,855,732 ; Apr. 26.
Electrolytic cell. N. Stathem and T. G. Leek. 1,842,296 ; Jan. 19.
Electrolytic cell. K. E. Stuart. 1,862,245 ; June 7.
Electrolytic cell. K. E. Stuart. 1,866,065 ; July 5.
Electrolytic cell. La F. D. Vorce. 1,842,703 ; Jan. 26.
Electrolytic cells and in anodes used in such cells. O. Conradty. 1,879,842 ; Sept. 27.
Electrolytic device. W. W. Clark and J. F. McCann. 1,867,249 ; July 12.
Electrolytic device. H. O. Siegmund. 1,866,604 ; July 12.
Electrolytic disintegration preventing means. E. J. Remscheid. 1,844,683 ; Feb. 9.
Electrolytic drier. L. Sliss. 1,845,852 ; Feb. 16.
Electrolytic means for the protection of boilers. A. Kirkaldy. 1,874,759 ; Aug. 30.
Electrolytic process for the purification of acetic acid solution. C. S. Webber, C. J. Staud, and H. L. Gray. 1,857,224 ; May 10.
Electrolytic processing machine. A. H. Hannon. 1,858,012 ; May 10.
Electrolytic production of a particularly strong chromium coating. M. Hosenfeld. 1,845,978 ; Feb. 16.
Electrolytic production of white lead. R. J. Frost. 1,857,950 ; May 10.
Electrolytic rectifier. R. D. Mershon. 1,889,417 ; Nov. 29.
Electrolytic reduction of copper oxide surface of rectifiers. H. Kahler. 1,844,925 ; Feb. 9.
Electrolytic reproduction. A. K. Laukel. 1,881,714 ; Oct. 11.
Electrolyzer for the production of hydrogen and oxygen. G. Fauser. 1,864,344 ; June 21.
Electromagnet. N. Hall. 1,881,077 ; Oct. 4.
Electromagnet. M. Lavet. 1,847,012 ; Feb. 23.
Electromagnetic apparatus. E. Falkenthal. 1,877,569 ; Sept. 13.
Electromagnetic apparatus. F. C. M. Storch. 1,853,471 ; Apr. 12.
Electromagnetic brake. F. O. Clizbe. 1,868,969 ; July 26.
Electromagnetic device. J. Erickson. 1,842,595 ; Jan. 26.
Electromagnetic device. P. N. Martin. 1,888,731 ; Nov. 22.
Electromagnetic device. G. D. Milne. 1,841,496 ; Jan. 19.
Electromagnetic device. F. A. Mitchell. 1,889,000 ; Nov. 29.
Electromagnetic device. O. Morganstern. 1,892,358 ; Dec. 27.
Electromagnetic device. H. F. Obergfell. 1,878,800 ; Sept. 20.
Electromagnetic device. N. C. Shaw. 1,855,322 ; Apr. 26.
Electromagnetic equalizing brake. V. Dendix. 1,882,746 ; Oct. 18.
Electromagnetic fields, Observing and measuring. N. H. Ricker. 1,859,005 ; May 17.
Electromagnetic friction device. A. P. Warner. 1,844,827 ; Feb. 9.
Electromagnetic instrument. R. C. Fryer. 1,846,802 ; Feb. 23.
Electromagnetic motor. R. R. Gonsett. 1,855,742 ; Apr. 26.
Electromagnetic motor. I. B. Winsor and M. A. Deal. 1,840,993 ; Jan. 12.
Electromagnetic operating mechanism, Adjustment for throw of. H. C. Waugh. 1,875,286 ; Aug. 30.
Electromagnetic receiving and transmitting instrument. A. A. Thomas. 1,876,790 ; Sept. 13.
Electromagnetic relay. W. C. Roe. 1,867,099 ; July 12.
Electromagnetic switch. F. G. Creed, W. H. Storey, and R. D. Salman. 1,864,296 ; June 21.
Electromagnetic switch. W. B. Lucas. 1,855,804 ; Apr. 26.
Electromagnetic switch. F. Menzel. 1,877,353 ; Sept. 13.
Electro-magnetic vibratory device. E. M. Payne. 1,850,843 ; Mar. 22.
Electromechanical system. W. G. Cady. 1,860,529 ; May 31.
Electron device. C. A. Horn. 1,869,896 ; Aug. 2.
Electron device. C. G. Smith. 1,864,378 ; June 21.
Electron devices, Assembly of elements in. W. L. Krahl. 1,866,715 ; July 12.
Electron discharge apparatus. K. C. De Walt. 1,889,595 ; Nov. 29.
Electron discharge device. R. F. Beers. 1,886,150 ; Nov. 1.
Electron discharge device. L. Bégin. 1,885,217 ; Nov. 1.
Electron discharge device. R. M. Burns. 1,845,042 ; Feb. 16.
Electron discharge device. A. I. Crawford. 1,880,833 ; Oct. 4.
Electron discharge device. S. W. Crowley. 1,849,056 ; Mar. 15.
Electron discharge device. A. W. Hull. 1,855,885–6 ; Apr. 26.
Electron discharge device. M. J. Kelly. 1,863,242 ; June 14.
Electron discharge device. E. A. Lederer. 1,871,537 ; Aug. 16.
Electron discharge device. I. Nachumsohn. 1,859,677–8 ; May 24.
Electron discharge device. H. C. Rentschler. 1,871,344 ; Aug. 9.
Electron discharge device. F. K. Richtmyer. 1,857,608 ; May 10.
Electron discharge device. V. L. Ronci. 1,882,936 ; Oct. 18.
Electron discharge device. P. Schwerin. 1,882,994 ; Oct. 18.
Electron discharge device. S. Scognamillo and P. Arndt. 1,879,544 ; Sept. 27.
Electron discharge device. H. Vadersen. 1,864,963 ; June 28.
Electron discharge device and making the same. F. L. Hunter, jr. 1,849,527 ; Mar. 15.
Electron discharge device and manufacture. H. L. and R. M. Crowley. 1,889,087 ; Nov. 29.
Electron discharge device and manufacture. E. G. Widell. 1,871,352 ; Aug. 9.
Electron discharge device, Cooled. L. H. Benson. 1,890,310 ; Dec. 6.
Electron discharge device with cæsiated cathode. E. A. Lederer. 1,856,258 ; May 3.
Electron discharge devices, Making. S. Loewe. 1,875,058 ; Aug. 30.
Electron discharge system. M. A. Acheson. 1,857,128 ; May 10.
Electron discharge tube. M. Morrison. 1,842,624 ; Jan. 26.

Electron discharge tube, Hot cathode. H. M. Freeman and W. G. Wade. 1,877,838; Sept. 20.
Electron emission material. M. N. Fredenburgh. 1,865,437; July 5.
Electron emission tubes, Activation and reactivation of. L. L. Jones, J. A. Flanzer, and E. Reisman. 1,881,645; Oct. 11.
Electron emitting device. W. J. Albersheim. 1,878,089; Sept. 20.
Electron emitting device and method of preparation. M. N. Rich and E. A. Lederer. 1,842,203; Jan. 19.
Electron emitting material. E. Wiegand. 1,873,730; Aug. 23.
Electron emitting surfaces, Coated. H. J. Miller. 1,884,082; Oct. 25.
Electron excitation for thermionic vacuum tubes, Indirect. A. N. Lucian. 1,886,705; Nov. 8.
Electron tube. B. F. Miessner. 1,859,522; May 24.
Electron tube. B. F. Miessner. 1,890,911; Dec. 13.
Electron tube. K. Pohlhausen. 1,886,264; Nov. 1.
Electron tube amplification system. B. F. Lee. 1,865,573–4; July 5.
Electron tube apparatus. S. Ruben. 1,847,669; Mar. 1.
Electron tube apparatus. C. F. Rudolph. 1,878,251; Sept. 20.
Electronic tube. A. J. McMaster and C. E. Parson. 1,858,210; May 10.
Electrooptical apparatus. H. E. Ives. 1,841,034; Jan. 12.
Electrooptical apparatus. J. Robinson. 1,878,891; Sept. 20.
Electrooptical apparatus. H. W. Weinbart and H. Hall. 1,869,240; July 12.
Electrooptical apparatus and method. C. H. W. Nason. 1,859,597; May 24.
Electrooptical device. H. E. Ives. 1,881,616; Oct. 11.
Electrooptical image producing system. E. C. Mandenfeld. 1,874,200; Aug. 30.
Electro-optical means and method for measuring substances for concentrations, colors, dispersions, etc. W. G. Exton. 1,877,501; Sept. 13.
Electrooptical system. P. Gray. 1,873,387; Aug. 23.
Electrooptical system. H. E. Ives. 1,874,191; Aug. 30.
Electrooptical system. F. W. Reynolds. 1,864,670; June 28.
Electrooptical system and method of scanning. C. F. Jenkins. 1,859,828; May 24.
Electrooptical transmission system. F. W. Reynolds. 1,878,711; Sept. 20.
Electroplating. O. L. Maag. 1,861,446; June 7.
Electroplating. R. J. Piersol. 1,870,743; Aug. 9.
Electroplating and producing same. C. G. Fink. 1,865,502; Nov. 1.
Electroplating apparatus. W. Birett. 1,844,556; Feb. 9.
Electroplating, Apparatus for. P. A. Smith. 1,885,148; Nov. 1.
Electroplating equipment. M. Kirchner. 1,865,767; July 5.
Electroplating machine. A. H. Hannon. 1,868,320; July 19.
Electroplating machine. H. J. Richards and W. E. Hinton. 1,854,763; Apr. 19.
Electroplating, Method and apparatus for. R. A. Garling and J. T. Ott. 1,880,382; Oct. 4.
Electropneumatic brake. J. N. Good. 1,879,678; Sept. 27.
Electropneumatic brake. T. H. Thomas. 1,879,646; Sept. 27.
Electrostatic couplinz. A. O. Austin. 1,856,122; May 3.
Electrosurgical instrument. G. M. Tomlinson. 1,881,250; Oct. 4.
Electrotelescopy. L. Silberstein. 1,839,706; Jan. 5.
Electro-thermal apparatus. T. J. Smulski. 1,885,052; Oct. 25.
Electro-thermic indicator. T. Kalle. 1,885,019; Oct. 25.
Element structure for vacuum tubes, Unitary. R. Harding, Jr. 1,854,375; Apr. 19.
Element supporting stem construction. G. D. McCabe. 1,878,286; Sept. 20.
Elements, Self-locking coupled screw. W. E. Hoke. 1,881,973; Oct. 25.
Elevating and lowering oil well piping, System and apparatus for. M. J. McNulty, jr. 1,889,808; Dec. 6.
Elevating and rotating device. R. F. Parks. 1,891,832; Dec. 20.
Elevating apparatus. W. B. Wigle. 1,842,638; Jan. 26.
Elevating take-out. R. W. Canfield. 1,859,956; May 24.
Elevator. See W. S. Hough. 1,861,532; June 7.
Elevator: See—
Air water elevator. Gated slip elevator.
Automobile storage elevator. Hydraulic elevator.
Lumber elevator.
Camera frame elevator. Marine elevator.
Casing elevator. Portable elevator.
Circuitous elevator. Storage elevator.
Conveyer elevator. Traction elevator.
Cotton elevator. Water elevator.
Friction grip elevator. Well elevator.
Garage elevator.
Elevator. E. L. Baker. 1,891,300; Dec. 20.
Elevator. G. E. Carlstrand. 1,876,398; Sept. 6.
Elevator. H. D. Clute. 1,890,562; Dec. 13.
Elevator. W. R. Davis. 1,871,207; Aug. 9.
Elevator. P. and J. Maniscalco. 1,844,133; Feb. 9.
Elevator. L. R. Winslow. 1,859,483; May 24.
Elevator and conveyer, Combination. R. A. Walter. 1,845,066; Feb. 16.
Elevator and gate control system, Automatic. W. C. Miles. 1,857,493; Nov. 15.
Elevator and water seal, Combined. W. P. Denny. 1,863,835; June 21.
Elevator apparatus. N. Di Bartholomes. 1,878,823; Sept. 20.
Elevator buffer. E. E. Arnold. 1,873,807; Aug. 23.
Elevator car and door controlling mechanism. H. V. McCormick. 1,839,572; Jan. 5.
Elevator construction. B. Palm. 1,861,063; May 31.
Elevator construction. A. E. Prince. 1,864,093; June 21.
Elevator control system. E. L. Gale and W. F. Eames. 1,871,656; Aug. 16.
Elevator control system. W. F. Eames. 1,872,128; Aug. 16.
Elevator control system. W. F. Eames. 1,872,915; Aug. 23.
Elevator control system. W. F. Eames. 1,882,789; Oct. 18.
Elevator control system. E. L. Gale. 1,889,812; Nov. 29.
Elevator control system. E. L. Gale. 1,891,350; Dec. 20.
Elevator control system. R. P. Higbee. 1,871,689; Aug. 16.
Elevator control system. R. P. Higbee. 1,891,710; Dec. 20.
Elevator control system. L. J. Kinnard. 1,872,300; Aug. 16.
Elevator control system. L. J. Kinnard and E. M. Bouton. 1,866,359; July 5.
Elevator control system. H. W. Mattingly. 1,844,514; Feb. 9.
Elevator control system. D. Santini. 1,853,640; Apr. 12.
Elevator control system. H. W. Williams. 1,844,534; Feb. 9.
Elevator control system. H. W. Williams. 1,871,353; Aug. 9.
Elevator control system, Automatic. R. P. Higbee. 1,870,410; Aug. 9.
Elevator for soy-bean harvesters. C. R. Braden. 1,847,234; Mar. 1.
Elevator governor cable swivel. G. E. Culp. 1,861,908; June 7.
Elevator indicator. W. B. Lucas. 1,878,872; Sept. 20.
Elevator leg. R. J. and J. L. Owens. 1,854,560–1; Apr. 19.
Elevator, Lifting mechanism for graders. I. Rund. 1,888,147; Nov. 15.
Elevator lifting mechanism for typographical machines, Assembling. I. J. Keeler. 1,866,976; July 12.
Elevator safety appliance. J. B. Murphy. 1,886,213; Nov. 1.
Elevator safety device. F. L. Ohler and R. P. French. 1,875,118; Aug. 30.
Elevator shaft construction. C. Shanafelt. 1,888,018; Nov. 15.
Elevator signaling system. F. A. Boedtcher. 1,851,488; Mar. 29.
Elevator signaling system. E. P. Butusov. 1,844,145; Feb. 9.
Elevator signaling system. H. W. Mattingly and B. B. Hines. 1,844,515; Feb. 9.
Elevator structure for boats. N. and N. A. Fay. 1,860,574; May 31.
Elevator system. W. B. Lucas. 1,887,209; Nov. 8.
Elevator system, Electric. G. B. Grosvenor. 1,840,315; Jan. 12.
Elevator tackle. W. E. Scott. 1,891,115; Dec. 13.
Elevator tower and the like. W. B. Ewing. 1,880,125; Sept. 27.
Elevators, Feed regulating device for. H. C. Sankey. 1,850,418; Mar. 22.
Elevators, Position indicator for. J. M. Graham and C. Norton. 1,879,801; Sept. 27.
Elevators, Service indicating system for. F. A. Boedtcher. 1,888,486; Nov. 22.
Ellipsograph. W. H. Huff. 1,848,953; Mar. 8.
Ellipsograph. J. J. Kittel. 1,872,973; Aug. 23.
Ellipsograph. N. W. O'Byrne. 1,876,069; Sept. 6.
Ellipsograph. A. Ronning. 1,872,505; Aug. 16.
Emasculator. E. C. Bevans. 1,865,429; July 5.
Embalming instrument. A. O. Spriggs. 1,882,255; Oct. 11.
Embankments, Building. C. J. McFarlin. 1,891,003; Dec. 13.
Emblem. C. Buss. Des. 87,507; Aug. 9.
Emblem. B. D. De Weese. Des. 87,431; July 26.
Emblem. A. Wegner. Des. 87,767; Sept. 13.
Emblem or similar article. G. W. Graves. Des. 87,917; Oct. 11.
Emblem stand. J. I. Loudon. Des. 86,919; May 10.
Embossing and vending apparatus. G. W. Heene. 1,856,780–1; May 3.
Embossing machine. J. J. Braund. 1,860,729; May 31.
Embossing plate. F. F. Kieper and C. B. Wagenhauser. 1,840,816; Jan. 12.
Embroidered lace edging. H. Schwarber. Des. 86,893–4; May 3.

Embroidered trimming. P. Grobeli. Des. 86,363–4; Mar. 1.
Embroidered trimming. P. Groebli. Des. 86,366–7; Mar. 1.
Embroidering. H. Hemmerich. 1,856,556; May 3.
Embroidering device. J. Sperling. 1,881,247; Oct. 4.
Embroidery and manufacturing same, Fagoting. J. Snark. 1,855,003; Apr. 19.
Embroidery frame. W. L. Roberts. 1,843,834; Feb. 2.
Embroidery method and fabrication. J. S. Marzak. 1,859,386; Aug. 2.
Embroidery or rug machine. C. J. Ashby. 1,873,257; Aug. 23.
Emergency brake. G. D. Thatcher. 1,858,122; May 10.
Emergency coupling. W. G. Siteman. 1,849,553; Mar. 15.
Emergency selective switch, Automatic. C. H. Bissell. 1,866,007; July 5.
Emergency switch. C. J. Anderson. 1,869,330; July 26.
Emery or abrading wheel. J. R. Mitchell. 1,890,401; Dec. 6.
Emery wheel stand. A. Du Menil. 1,844,749; Feb. 9.
Emptying device for liquid couplings. C. Schmieske. 1,866,424; July 5.
Emulsification of immiscible ingredients, Apparatus for. N. Bendixen. 1,890,106; Dec. 6.
Emulsifying agents. H. P. Banks, G. Davidson, I. F. Laucks, and H. F. Rippey. 1,855,934; Apr. 26.
Emulsifying agent. F. Günther, F. Teller, C. Immerheiser, and S. Zschimmer. 1,845,420; Feb. 2.
Emulsifying agents, Production of. H. Beller and M. Luther. 1,882,741; Oct. 18.
Emulsion. E. W. Adams. 1,871,940; Aug. 16.
Emulsion. E. L. Mack and C. W. Bennett. 1,888,601; Nov. 22.
Emulsion breaking. J. O. Peirce and W. T. Reddish. 1,872,307; Aug. 16.
Emulsion containing India rubber. L. G. Gabriel and J. F. Blott. 1,886,334; Nov. 1.
Emulsion of hydrocarbon oils and manufacturing the same, Aqueous. R. Laut. 1,861,398; May 31.
Emulsion, Photographic. L. G. S. Brooker. 1,846,300–4; Feb. 23.
Emulsion, Producing asphaltic. F. Queck. 1,867,923; July 19.
Emulsion, Treating. G. H. Meinzer. 1,887,774; Nov. 15.
Emulsions and making same, Asphaltic. L. G. Thompson. 1,884,919; Oct. 25.
Emulsions and materials, Methods and processes for the preparation of. W. Lewis. 1,869,370; Aug. 2.
Emulsions, Apparatus for the preparation of. K. Müller and E. Hutzenlaub. 1,842,877; Jan. 26.
Emulsions, Coagulation of latex like. F. Schwerdtel. 1,879,543; Sept. 27.
Emulsions, Dehydrating. H. F. Fisher. 1,864,721; June 28.
Emulsions, Making. M. G. Gregg. 1,884,664; Oct. 25.
Emulsions, Manufacture of. A. J. Hailwood, A. Shepherdson, and A. Stewart. 1,873,580; Aug. 23.
Emulsions, Mechanically treating. G. H. Meinzer. 1,887,775; Nov. 15.
Emulsions, Method of and apparatus for fibrating. E. O. Groskopf. 1,889,473; Nov. 29.
Emulsions of mineral oils or the like, Process and product for treating. W. B. Lerch. 1,890,789; Dec. 13.
Emulsions, Process and apparatus for making rosin size. S. W. McCune, jr. 1,846,220; Feb. 23.
Emulsions, Process and reagent for treating. J. O. Peirce and L. D. Myers. 1,882,444; Oct. 11.
Emulsions to crumble masses, Coagulation of latex like. E. Konrad and W. Siefken. 1,874,546; Aug. 30.
Enamel remover. C. J. Stowie. 1,865,799; July 5.
Enamel, Superposed. J. G. G. Frost. 1,875,721; Sept. 6.
Enameling composition. M. E. Manson. 1,844,670; Feb. 9.
Enameling composition, Keratin. C. Ellis. 1,878,477; Sept. 20.
Enameling furnace. C. A. Dutton. 1,891,919; Dec. 27.
Enameling furnace. R. MacDougall. 1,857,206; May 10.
Enamels, Producing. C. J. Kinzie. 1,848,567; Mar. 8.
Enamelware manufacture, Continuous. H. T. Bebb. 1,890,897; Dec. 13.
End frame for swings or similar article. E. J. Barcalo. Des. 87,823; Sept. 27.
End frame for swings or similar article. J. M. Vallone. Des. 87,858; Sept. 27.
End frame for swings or similar article. C. Vallone. Des. 87,859; Sept. 27.
End gate. E. O. Miller. 1,864,660; June 28.
End locating device. C. H. Warren. 1,873,515; Aug. 23.
Ends of cartons or like receptacles, Apparatus for. A. G. Rose. 1,881,133; Oct. 4.
Endoscope. R. H. Wappler. 1,880,551; Oct. 4.
Energy absorption means for switching contacts. K. Schmidt. 1,873,048; Aug. 23.
Energy control arrangement. R. H. Lindsay. 1,848,220; Mar. 8.
Energy in the form of mechanical oscillations, Transmitting. G. H. Schieferstein. 1,867,989; July 19.
Energy-translating device. J. D. Seabert. 1,877,992; Sept. 20.
Engaging and driving mechanism for rotary parts. R. Chilton. 1,868,346; July 19.
Engine; *See*—
Aeroplane engine.
Air engine.
Airplane engine.
Aviation engine.
Beater engine.
Boat engine.
Carding engine.
Combustion engine.
Cooling or rotary engine.
Diesel engine.
Diesel oil engine.
Door engine.
Dual cycle engine.
Eight cylinder engine.
Elastic fluid engine.
External combustion engine.
Fire engine.
Fluid pressure engine.
Four cylinder engine.
Fuel injection engine.
Gas engine.
Hoisting engine.
Hydrocarbon engine.
Injection engine.
Internal combustion engine.
Jordan engine.
Liquid fuel engine.
Lozzing engine.
Oil engine.
Paper-stock-refining engine.
Piston engine.
Reactive combustion engine.
Reciprocating engine.
Rotary engine.
Rotary steam engine.
Shaker conveyer engine.
Single acting engine.
Sleeve valve engine.
Steam engine.
Two-cycle engine.
V-type engine.
Vacuum engine.
Valve combustion engine.
Engine. R. S. A. Dougherty and N. Greenwell. 1,860,834; May 31.
Engine. G. B. Franklin. 1,867,504; July 12.
Engine. F. J. Holmes. 1,864,248; June 21.
Engine. J. L. Kempthorne. 1,890,611–12; Dec. 13.
Engine. R. Lee. 1,876,506; Sept. 6.
Engine. H. M. Leonard. 1,845,806; Feb. 2.
Engine. H. M. Leonard. 1,868,753; July 26.
Engine. H. M. Leonard. 1,872,761; Aug. 23.
Engine. A. D. MacFarlane. 1,852,890; Apr. 5.
Engine. B. S. Maher. 1,866,774; July 12.
Engine. F. W. Parsons, sr. 1,890,914; Dec. 13.
Engine. A. N. Sholking. 1,840,919; Jan. 12.
Engine. O. L. Snyder. 1,855,340; Apr. 26.
Engine. O. L. Snyder. 1,865,594; July 5.
Engine. E. A. Sperry. 1,855,929; Apr. 26.
Engine. W. C. Wells. 1,866,649; July 26.
Engine accelerator, Vehicle. D. Roeder. 1,856,192; May 3.
Engine and operating the same, Internal combustion. F. Oberlaensi. Re18,575; Aug. 30.
Engine and operating the same, Internal combustion. W. M. Zaikowsky. 1,869,455; Aug. 2.
Engine and preparing fuel for combustion. A. J. Meyer. 1,874,569; Aug. 30.
Engine and ship's propelling machinery, Marine. W. Micheliffe and J. Scott. 1,865,609; July 5.
Engine and the like and method of operation. H. B. Moses. 1,880,209; Oct. 4.
Engine and the like, Internal combustion. K. Bassler. 1,879,027; Sept. 27.
Engine and turbine, Combined reciprocating steam. H. Wach. 1,854,816; Apr. 19.
Engine and turbine, Reciprocating. H. Wach. 1,854,817; Apr. 19.
Engine and valve construction, Internal combustion. A. D. Sicher. 1,883,038; Oct. 18.
Engine arrangement, Airplane. G. M. Bellanca. 1,854,464; Apr. 19.
Engine arrangement, Airplane. G. M. Bellanca. 1,858,726; May 17.
Engine arrangement, Airplane. G. M. Bellanca. 1,858,761–2; May 17.
Engine, Attachment for an internal combustion. C. J. Costello. 1,888,758; Nov. 22.
Engine attachment, Internal combustion. S. F. Evelyn. 1,874,261; Aug. 30.
Engine attachment to facilitate valve grinding, Explosive. C. C. Gladding. 1,847,477; Sept. 13.
Engine base construction. A. C. Boock. 1,876,844; Sept. 13.
Engine block. A. M. Tevis and L. M. Sutter. 1,885,566; Nov. 1.
Engine block, Two-stroke. F. LaGuesse. 1,876,977; Sept. 13.
Engine charges, Boosting system for internal combustion. A. Moore. 1,843,646; Feb. 2.
Engine circulating system. A. G. McCaleb. 1,861,809; June 7.
Engine construction, Hood. E. R. Gurney. 1,849,872; Mar. 15.
Engine construction, Rotary. G. A. Reynolds. 1,839,592; Jan. 5.
Engine control means. L. Johns. 1,846,873; Feb. 23.
Engine control mechanism. H. Marles. 1,842,476; Jan. 26.
Engine control mechanism, Internal combustion. H. T. Herr. 1,753,813; Apr. 12.
Engine control system. M. A. Stiedler. 1,843,960; Feb. 9.
Engine-cooling and super-charging means. A. Andrews. 1,854,607; Apr. 19.
Engine cooling apparatus. C. Balough. 1,840,010; Jan. 5.
Engine cooling system. E. S. Patch. 1,873,146; Aug. 23.
Engine cooling system, Automobile. H. D. Johnson. 1,874,104; Aug. 30.
Engine cooling system, Internal combustion. C. Froesch and W. B. Jupp. 1,862,675; June 14.
Engine cowling. H. A. Hicks. 1,862,144; June 7.
Engine crank shaft. H. T. Herr. 1,858,014; May 10.

Engine cranking mechanism. B. G. Johnson. 1,892,348; Dec 27.
Engine cut-off responsive means, Steam. B. B. Milner. 1,852,327; Apr. 5.
Engine draining apparatus. N. S. Williamson. 1,866,739; July 12.
Engine drive for aircraft propellers. T. Zerbi. 1,889,305; Nov. 29.
Engine exhaust. E. A. Putman. 1,858,458; May 17.
Engine exhaust, Aeroplane. C. F. Jenkins. 1,858,048; May 20.
Engine exhausts, Apparatus for treating internal combustion. C. W. White. 1,847,506; Mar. 1.
Engine exhausts, Treating internal combustion. C. W. White. 1,843,999; Feb. 9.
Engine feeding arrangement, Internal combustion. F. Baverey. 1,890,987; Dec. 13.
Engine for automobile torpedoes, Depth. W. Dieter. 1,851,816; Mar. 29.
Engine for motor vehicles. E. Schimanek. 1,882,971; Oct. 18.
Engine for working with gas and liquid fuel, Method and high compression internal combustion. V. Heidelberg. 1,858,824; May 17.
Engine frame. A. G. Buwalda. 1,881,043; Oct. 4.
Engine frame. C. H. Stevens. 1,864,004; June 21.
Engine fuel and oil control means. C. G. Mahana and C. Gross. 1,862,155; June 7.
Engine handpiece, Dental. R. C. Angell. 1,839,289; Jan. 5.
Engine having an air granary, Injection combustion. W. Richm. 1,861,362; May 31.
Engine in an Airplane. H. Gilly. 1,862,114; June 7.
Engine hood construction. E. R. Gurney. 1,882,319; Oct. 11.
Engine hood ventilator. A. H. Lent. 1,875,619; Sept. 6.
Engine indicator and spark plug. E. J. Martin. 1,861,021; May 31.
Engine lubricating device. E. J. Gulick. 1,890,984; Dec. 13.
Engine lubricating system. B. H. Anibal. 1,862,995; June 14.
Engine generator set for vehicles. J. M. Pestarini. 1,843,730; Feb. 2.
Engine mechanism, Auxiliary airplane. A. Purser. 1,867,473; July 12.
Engine mount, Aeroplane. R. I. Markey. 1,892,065; Dec. 27.
Engine of the compression ignition type, Internal combustion. H. R. Ricardo. 1,867,475; July 12.
Engine of the oppositely-moving piston type, Internal combustion. C. J. Pescara. 1,890,794; Dec. 13.
Engine of the two-stroke cycle type, Internal combustion. H. B. Greening and J. W. Galloway. 1,846,031; Feb. 23.
Engine pump. A. E. Simson. 1,858,182; May 10.
Engine oscillation controller. R. B. Bourne. 1,860,569; May 31.
Engine provided with a rotary compressor. A. Zoller. 1,859,264; May 17.
Engine provided with exhaust turbines and compressors, Internal combustion. A. Buchi. 1,849,170; Mar. 15.
Engine, pump, and the like, Rotary. C. H. Varley. 1,864,699; June 28.
Engine release mechanism. J. J. O'Brien. 1,879,632; Sept. 27.
Engine sealing ring construction, Internal combustion. R. L. Shinner. 1,872,516; Aug. 16.
Engine sealing ring locating means, Internal combustion. P. C. Walrath. 1,871,250; Aug. 9.
Engine shutter apparatus. A. G. McCaleb. 1,844,473; Feb. 9.
Engine shutter apparatus. E. G. Petersen. 1,871,733; Aug. 16.
Engine starting apparatus. R. Chilton. 1,892,094–6; Dec. 27.
Engine starting apparatus. W. A. Chryst and G. W. Elsey. 1,846,519; Jan. 26.
Engine starting apparatus. I. J. Reuter. 1,847,726; Mar. 1.
Engine starting device. W. S. Ceablom. 1,891,868; Dec. 20.
Engine starting device. F. G. Procunier and R. L. Morgan. 1,847,784; Mar. 1.
Engine starting system. J. Good. 1,887,238; Nov. 8.
Engine stop. G. H. McFeaters. 1,892,313; Dec. 27.
Engine structure, Oil electric. G. J. Rathbun. 1,855,419; Apr. 26.
Engine tester. H. P. Brandt. 1,856,023; Apr. 26.
Engine timing switch. F. H. Rickey. 1,851,374; Mar. 29.
Engine turbo-combination, Steam. H. Wach. 1,854,618; Apr. 19.
Engine, Two-stage two-stroke internal combustion. W. Burtnett-Sumpter. 1,849,595; Mar. 15.
Engine with cylinder stars arranged one behind the other in a common frame, Piston internal combustion. E. Wippermann. 1,878,561; Sept. 20.
Engine with positive fuel feeds, Internal combustion. H. Junkers. 1,868,636; July 26.
Engine with solid fuel injection, Internal combustion. O. Simmen. 1,882,165; Oct. 11.
Engine with staged compression and expansion, Internal combustion. P. Auriol. 1,845,862; Feb. 16.
Engines, Air cleaner for internal combustion. H. L. Eldridge. 1,842,082; Jan. 19.
Engines, Air intake for. J. E. Ellor. 1,851,500; Mar. 29.
Engines, Air starting system for internal combustion. W. Ward. 1,876,809; Sept. 13.
Engines, Air storage for internal combustion. W. E. Goldsborough. 1,849,324; Mar. 15.
Engines, Apparatus for controlling steam. H. H. Bailey and J. L. Thomas. 1,859,647; May 24.
Engines, Apparatus for preventing the back firing in internal combustion. H. Feuilée. 1,876,406; Sept. 6.
Engines, Attachment for internal combustion. L. B. Mesinger, jr., and A. Lasher. 1,890,791; Dec. 13.
Engines, Automatic charge heating control for internal combustion. D. P. Molony. 1,844,041; Feb. 9.
Engines, Automatic fuel control device for internal combustion. W. R. Fulkinghorn. 1,844,230; Feb. 9.
Engines, Automatic means for blowing up. C. W. Ploen. 1,884,205; Oct. 25.
Engines, Automatic water circulator for internal combustion. V. P. Kill. 1,850,461; Mar. 22.
Engines, Charge controlling device for internal combustion. F. T. Irgens. 1,837,204; Nov. 8.
Engines, Charge forming device for internal combustion. V. E. Corey. 1,843,503; Feb. 2.
Engines, Compound valve mechanism for steam pumping. G. W. Volz. 1,862,873; June 14.
Engines, Cooling exhaust gas turbo-blowers for Diesel. A. Meyer. 1,853,183; Apr. 12.
Engines, Cooling internal combustion. C. K. Hague. 1,877,398; Sept. 13.
Engines, Cylinder head for internal combustion. H. Steiner. 1,840,922; Jan. 12.
Engines, Device for controlling internal-combustion. S. Crosis. 1,894,170; Jan. 24.
Engines, Device for reducing piston slap in internal combustion. D. M. Soleuberger. 1,847,731; Mar. 1.
Engines, Exhaust gas turbine mechanism for all internal combustion. H. H. McDonald. 1,858,637; May 17.
Engines for locomotives, Device for starting auxiliary. L. Hladik. 1,862,804; June 7.
Engines, Fuel feed for internal combustion. G. Garibaldi. 1,877,655; Sept. 13.
Engines, Fuel feeding means for internal combustion. M. Chandler. 1,880,799; Oct. 4.
Engines, Fuel feeding system for internal combustion. A. G. Redmond. 1,852,596; Oct. 18.
Engines, Fuel injecting device for internal combustion. F. Taragno. 1,840,542; Jan. 12.
Engines, Fuel injection device for internal combustion. H. Dinner. 1,850,771; Mar. 22.
Engines, Fuel injection device for internal combustion. E. von Salis. 1,843,410; Feb. 2.
Engines, Fuel injection for internal combustion. O. H. Ensign. 1,869,805; Aug. 2.
Engines, Gudgeon pin especially for trunk pistons in internal combustion. W. Ricardo. 1,841,764; Jan. 19.
Engines, Intake manifold for internal combustion. A. P. Plaut. 1,844,045; Feb. 9.
Engines, Internal combustion and other. W. F. Stanton. 1,839,447; Jan. 5.
Engines, Manifolding system for. H. H. Timian. 1,842,771; Jan. 26.
Engines, Manifolding system for internal combustion. R. W. A. Brewer. 1,840,220; Jan. 5.
Engines, Method and apparatus for lubricating and operating internal combustion. F. A. White. 1,889,137; Nov. 29.
Engines, Method and apparatus for shipping. G. L. Lundborg and R. B. Israel. 1,852,173; Apr. 5.
Engines, Method of and apparatus for testing internal combustion. W. G. Harris. 1,867,698; July 19.
Engines, Operating internal combustion. S. P. and H. A. Cowardin. 1,871,115; Aug. 9.
Engines, Regulating device for. H. Junkers. 1,841,897; Jan. 19.
Engines, Rotary. F. Wheatley, sr. 1,856,523; May 3.
Engines, Shutter control for internal combustion. F. C. Lanser. 1,839,620; Jan. 5.
Engines, Speed reducing or increasing device for internal combustion. C. R. Waseige. 1,887,607; Nov. 15.
Engines, Starter crank construction for internal combustion. T. A. Delaney. 1,850,342; Mar. 22.
Engines, Suction fuel feeding apparatus for internal combustion. C. S. Hamilton. 1,877,896; Sept. 20.
Engines, Supercharger for internal combustion. E. P. Richardson. 1,840,253; Jan. 5.
Engines to the drive of locomotives, Application of Diesel. H. Drury. 1,861,690; June 7.
Engines with exhaust turbines and charging air compressors, Double acting internal. A. Büchi. 1,860,449; May 31.
Engines with pulling or tractive screw propellers rotating in opposite directions, Device for coupling two aircraft T. Zerbi. 1,838,219; Dec. 29.
Engler distillation apparatus, Automatic. J. E. Moore and G. W. Chenicek. 1,863,346; June 14.
Engraving. J. R. Guérard. 1,850,929; Mar. 22.
Engraving and other machine. G. and G. 3d. Gorton. 1,881,500; Oct. 11.
Engraving and other machine. G. Horner. 1,889,660; Nov. 29.
Engraving and routing machine. M. W. Haynes. 1,882,586; Oct. 11.
Engraving machine. W. S. Eaton. 1,848,465; Mar. 8.
Engraving machine. J. C. Jennejohn. 1,868,662; July 26.

Engraving machine. H. S. Jonsson. 1,874,046; Aug. 30.
Engraving machine. H. Matzner and M. Franz. 1,870,129; Aug. 2.
Engraving machine. P. Sackers and T. G. Straub. 1,857,570; May 10.
Engraving metallic surfaces for printing. W. O. F. Schutte. 1,878,895; Sept. 20.
Enlarging apparatus. C. Bornmann. 1,883,510; Oct. 18.
Entrainment separator. W. L. Badger. 1,872,554; Aug. 16.
Entrainment trap. J. W. Montgomery. 1,853,739; Apr. 12.
Entrance inclosure operating and control means. L. G. Jacobson. 1,881,017; Oct. 4.
Entrapment device. W. N. Kindel. 1,880,258; Oct. 4.
Envelope. S. K. Hahn. 1,870,908; Aug. 9.
Envelope. O. J. Olm. 1,863,279; June 14.
Envelope. V. H. Palm. 1,874,796; Aug. 30.
Envelope. E. G. Overly. 1,858,277; May 17.
Envelope, Advertising. L. C. Fiorenza. 1,888,313; Nov. 22.
Envelope and blank therefor, Return. B. F. Bartsch. 1,883,475; Oct. 18.
Envelope and card, Combined. A. Dicicco. 1,875,804; Sept. 6.
Envelope and method of treating furniture. W. W. Scott. 1,856,931; May 3.
Envelope, Commercial. H. Millan, jr. 1,886,348; Nov. 1.
Envelope device, Self locking. G. Weislow. Re18,422; Apr. 12.
Envelope, Duplex. W. H. Rife. 1,869,946; Aug. 2.
Envelope feeding device. B. A. Wood. 1,865,495; July 5.
Envelope filling mechanism. S. J. T. Price. 1,886,119; Nov. 1.
Envelope for balls of string for binding sheaves, Protecting. P. Baumbüter. 1,889,011; Nov. 29.
Envelope for laundered articles. E. A. Moll. 1,867,556; July 19.
Envelope for liquid fuel containers, Protective. J. A. Todd. 1,878,063; Sept. 20.
Envelope handling machine. A. Gay. 1,872,726; Aug. 23.
Envelope handling machine. A. Gay. 1,877,842; Sept. 20.
Envelope, Impeller reaction. A. S. Miller. 1,879,812; Sept. 27.
Envelope machine. W. Bodge. 1,860,984; May 31.
Envelope machine. H. J. Goss. Re18,465; May 17.
Envelope machine. A. Novick. 1,854,317; Apr. 19.
Envelope machine. C. F. Pflanze. 1,886,728; Nov. 8.
Envelope machines, Side flap folding means for. A. Novick. 1,856,842; Apr. 26.
Envelope making machine. B. S. Oles. 1,879,990; Sept. 27.
Envelope making machine. E. Sandfanander. 1,856,659; May 3.
Envelope moistener. M. S. Lower. 1,855, 249; Apr. 26.
Envelope moistener and closer. G. Kalenoff. 1,846,969; Feb. 23.
Envelope, Novelty. A. Sever. 1,870,386; Aug. 9.
Envelope or similar article, Folding. C. A. Herr. Des. 86,916; Dec. 10.
Envelope, Packing. G. H. Campbell. 1,866,903; July 12.
Envelope perforator. W. J. Stanley. 1,883,056; Oct. 18.
Envelope, Savings bank. E. B. Berkowitz. 1,872,651; Aug. 23.
Envelope, Shirt. L. Blumenstock. 1,868,458; July 19.
Envelope, Shirt. E. W. Wilson. 1,840,146; Jan. 5.
Envelopes, Apparatus for making. R. L. Lockwood. 1,879,624; Sept. 27.
Envelopes, Inserting materials in. A. E. Noble. 1,877,718; Sept. 20.
Envelopes, Making open ended. L. Stone. 1,860,965; May 31.
Envelopes, Making window. A. Novick. 1,865,037; June 28.
Envelopes, Process and machine for making. G. W. Poppe. 1,851,061; Mar. 29.
Ephedrine salts, homologues and of mandelic acid and certain intermediates, Resolution of. R. H. F. Manske. 1,867,274; July 12.
Ephedrines salts and oil solutions thereof. E. E. Moore and E. B. Carter. 1,861,543; June 7.
Ephedrine solution. J. W. Bullock. 1,862,253; June 7.
Equalizer for derricks, Eccentric. L. A. Rawson. 1,871,133; Aug. 9.
Equalizer rod. J. A. L. Müller. 1,853,569; Apr. 12.
equalizing attachment. B. C. Rockwell. 1,847,983; Mar. 1.
Equalizing device for knitting machines. E. O. Nebel. 1,885,539; Nov. 1.
Equalizing mechanism. N. D. Levin. 1,854,592-6; Apr. 19.
Equalizing mechanism for pressing machines. E. Davis. 1,883,604; Oct. 18.
Equipment for freezing and packing materials. M. E. Miller. 1,866,316; July 5.
Equipment for handling aerial wires. H. W. Bodendieck. 1,853,600; Apr. 12.
Equipment for storing and dispensing liquefied gas, Customer's. R. W. Thomas. 1,854,352; Apr. 19.
Eraser for pocket fountain pens and desk set fountain pens, Liquid ink. F. N. Steigleder. 1,875,184; Aug. 30.
Erosetrol, Preparing. C. E. Bills. 1,842,929; Jan. 26.
Erosion retarder for ditches. W. H. Cleveland and C. W. Bothe. 1,849,323; Mar. 15.
Escalator. R. F. Valtier. 1,868,780; July 26.
Escape means for a submarine when submerged. J. M. Clark. 1,861,595; June 7.
Escape, Quick automatic. D. E. Quick. 1,849,725; Mar. 15.
Escutcheon. E. L. Teich. 1,858,604; May 17.
Ester composition and making the same, Mixed. H. Hönel. 1,870,454; Aug. 9.
Ester conversion. G. D. Graves. 1,860,022; May 24.
Ester distillation problem, Decolorizing. E. H. Carnarius and V. D. Charleston. 1,869,954; Aug. 2.
Ester interchange with organic acids. G. D. Graves. 1,862,808; Oct. 18.
Ester-like constituted wetting agents, foaming agents and dispersing agents and preparing them. K. Daimler and K. Platz. 1,881,172; Oct. 4.
Ester of polyvalent alcohols. M. Bollman. 1,841,430; Jan. 19.
Ester of secondary of butyl alcohol. N. Boehmer. 1,848,155; Mar. 8.
Ester solutions, Preparing stable cellulose. E. Hubert, A. Rost-Grande, and K. Weisbrod. 1,860,461; May 31.
Esters of amino alcohols and process of manufacture, Aromatic. C. Mannich. 1,889,678; Nov. 29.
Esterification. E. E. Ayres, jr. 1,869,837; Aug. 2.
Esterification process. W. W. Hancock and E. H. Carnarius. 1,875,447; Sept. 6.
Esterification process and product. L. Rosenstein and W. J. Lund. 1,851,405; Mar. 29.
Esterification product of dicarboxylic acids and their production. F. Webel. 1,883,182; Oct. 18.
Esters, Alkyl cellulose. E. Teupel. 1,877,779; Sept. 20.
Esters and manufacture thereof, Inorganic cellulose. G. W. Miles and C. Dreyfus. 1,884,802; Oct. 25.
Esters, Catalytic hydrogenation of non-nitrogenous. 1,846,729; Feb. 23.
Esters, Catalytic production of. W. A. Lazier. 1,857,921; May 10.
Esters, Distilling aliphatic. J. Stein. 1,859,997; May 24.
Esters from alcohols and the salts of organic acids, Production of. G. D. Graves. 1,869,193; July 26.
Esters from olefins, Continuous method of producing. P. K. Frolich and P. L. Young. 1,877,291; Sept. 13.
Esters, Making. F. W. Skirrow and G. O. Morrison. 1,855,566; Apr. 26.
Esters, Manufacture of. W. Gibson and J. B. Payman. 1,877,847; Sept. 20.
Esters of butyl alcohol, Making. R. B. Crowell and S. R. Ebe. 1,864,893; June 28.
Esters of cellulose and the product thereof, Manufacture of mixed. C. S. Webber and C. J. Staud. 1,861,200; May 31.
Esters of cellulose from partially hydrolyzed cellulose acetate, Preparation of lower mixed organic. C. J. Staud and E. K. McLean. 1,880,515; Oct. 4.
Esters of fatty acids, Liquid halogenated. N. A. Hansen and D. L. Yabern. 1,840,034; Jan. 5.
Esters of salicylic acid. L. E. Mills and H. S. Goodwin. 1,856,880; May 3.
Esters of tar acids and producing the same, Phosphoric. F. G. Granger. 1,869,112; July 26.
Esters of the anthraquinone series, Preparation of ortho-amino-carboxylic acid. 1,849,444; Mar. 15.
Esters of vat dyestuffs, Water soluble leuco. W. Mieg and R. M. Heidenreich. 1,878,964; Sept. 20.
Esters, Production of. R. Held and M. Luther. 1,881,563; Oct. 11.
Esters, Production of. J. C. Woodruff, J. Martin and I. J. Krchma. 1,875,540; Sept. 6.
Esters, Production of chloropropionic. H. Fikentscher and B. Jacobi. 1,851,406; Mar. 29.
Esters, Production of phosphoric. F. Nicolai, C. Schoenburg, and G. v. der Bruck. 1,869,768; Aug. 2.
Esters, Production of vinyl. D. E. Strain. 1,849,647; Mar. 15.
Esters, Treating carbohydrate. W. O. Snelling and R. N. Boyd. 1,873,061; Aug. 23.
Etcher slide. P. T. Powers. 1,861,161; May 31.
Etching machine. J. M. Townsend. 1,839,511; Jan. 5.
Etching plates made of magnesium alloys for phonogram printing, Grinding. A. Beck, W. Schmidt, and H. Dibelka. 1,863,002; June 14.
Ethanes as plasticizers, Unsymmetrical diaryl. W. E. Lawson. 1,891,601; Dec. 20.
Ethanol-amine salts of theophylline and making them. H. A. Shonle. 1,867,332; July 12.
Ether derivative. Diaryl. E. F. Grether. 1,842,163; Jan. 19.
Ether derivatives of carbohydrates like cellulose, Manufacture of. A. W. Schroger. 1,863,208; June 14.
Ether of halogenated para-hydroxy-diphenyls, Alkyl. E. F. Grether. 1,887,757; Nov. 15.
Ether lactates of cellulose and the product thereof, Manufacture of. C. S. Webber and C. J. Staud. 1,880,558; Oct. 4.
Ether, Manufacture of. F. W. Nitardy, W. G. Christinasen, and R. Van Winkle. 1,855,255; Apr. 26.

Ether, Preservation of. S. Palkin and H. R. Watkins. 1,849,635; Mar. 15.
Ether product and making same, Dyed cellulose. L. Lilienfeld. 1,890,392; Dec. 6.
Ethers, Continuous process for the manufacture of aliphatic. E. Ricard. 1,868,076; July 19.
Ethers of aryl-quinolines, Basic. M. Hartmann and H. Isler. 1,860,236; May 24.
Ethers of carbohydrates, Manufacture of. L. Lilienfeld. 1,858,018; May 10.
Ethers of carbohydrates, Preparing. O. Ernst and K. Sponsel. 1,858,731; May 17.
Ethers of cellulose and plastics containing same, Manufacture of aralkyl. L. Lilienfeld. 1,858,019; May 10.
Ethers of glycol, Production of mono alkyl. S. F. Birch and W. D. Scott. 1,882,564; Oct. 11.
Ethers of halogenated quinoline, Basic. M. Hartmann and H. Isler. 1,891,890; Dec. 27.
Ethers of hydroxy-beta-phenyl-azo-alpha-alpha-diamino pyridines. E. T. Tisza and B. Joos. 1,856,602; May 3.
Ethers of the pyridine series, Basic. K. Miescher and E. Urech. 1,881,236; Oct. 4.
Ethers, Pentaerythrite. C. E. Burke. 1,859,913; May 24.
Ethers, Preparing cellulose. G. W. Miles. 1,864,546; June 28.
Ethers, Synthesizing. R. L. Brown and W. W. Odell. 1,873,577; Aug. 23.
Ethine carbinols, Chlorinated and brominated. F. Straus and L. Kollek. 1,841,768; Jan. 19.
Ethyl acetate, ethyl alcohol and other products by fermentation, Producing. A. Izsak and F. A. McDermott. 1,866,568; July 12.
Ethylene and the sulphation of a mixture of ethylene and propylene, Sulphation of. B. T. Brooks. 1,885,585; Nov. 1.
Ethylene, Chlorinating. P. Askenasy and A. Heller. 1,851,970; Apr. 5.
Ethylene from acetylene, Production of. K. Sauerwein. 1,869,624; May 31.
Ethylene from gaseous mixtures, Extraction of. H. Lantz. 1,870,334; Aug. 9.
Evaporating. C. D. Hickman. 1,857,508; May 10.
Evacuator for liquid containers. H. B. Garrett. 1,847,178; Mar. 1.
Evacuator for steam heating systems, Automatic. E. B. Tidd. 1,891,483; Dec. 20.
Evaporating apparatus. H. H. Elliston. 1,857,535; May 10.
Evaporating process and apparatus. R. W. Davenport. 1,853,724; Apr. 12.
Evaporating unit. R. T. Smith. 1,863,938; June 21.
Evaporating losses, Prevention of. H. V. Atwell. 1,852,141; Apr. 5.
Evaporation or distillation, especially with vacuum, Apparatus for continuous. A. Angelow. 1,885,402; Nov. 1.
Evaporator. W. L. Badger. 1,869,651; Aug. 2.
Evaporator. W. E. Bibi and A. Ramclaw. 1,880,682; Oct. 4.
Evaporator. G. G. Creson. 1,869,093; July 26.
Evaporator. F. W. Hicks. 1,891,538; Dec. 20.
Evaporator. M. J. Kremer. 1,863,979; June 21.
Evaporator. M. J. Kermer. 1,884,726; Oct. 25.
Evaporator. J. McKeague. 1,884,793; Oct. 25.
Evaporator. J. Rosenberg. 1,858,061; May 10.
Evaporator. P. B. Sadtler. 1,846,067; Feb. 23.
Evaporator. H. R. Van Deventer and J. A. Grier. 1,868,350; July 26.
Evaporator and temperature control therefor, Refrigerator. G. W. Mason. 1,878,285; Sept. 20.
Evaporator construction. J. F. Holmes and S. M. Martin. 1,846,056; Feb. 23.
Evaporator, Cooling. R. W. Kritzer. 1,865,924; July 5.
Evaporator for generating high pressure steam. K. Baumann. 1,869,236; July 26.
Evaporator for mechanical refrigeration. F. G. Slagel. 1,861,373; July 26.
Evaporator for refrigerating apparatus. H. C. Kellogg and E. M. May. 1,885,838; Nov. 1.
Evaporator for refrigerating systems. R. W. Davenport. Re. 18,662; Oct. 11.
Evaporator for refrigerating systems. R. S. Nelson. 1,844,136; Feb. 9.
Evaporator for refrigerators. G. W. Mason. 1,878,284; Sept. 20.
Evaporator, Mechanical refrigerating. A. W. Mellowes. 1,846,057; Feb. 23.
Evaporator, Milk. W. H. Teetsow. 1,878,651; Sept. 20.
Evaporator system. S. Brown. 1,846,047; Feb. 23.
Evaporator top. C. G. Hawley. 1,883,908; Oct. 25.
Evaporator unit. E. L. Barnes. 1,885,671; Nov. 1.
Evaporator unit. F. D. Peltier. 1,874,115; Aug. 30.
Examination device. S. L. Preston. 1,892,318; Dec. 27.
Excavating apparatus. A. Ploff. 1,852,258; Apr. 5.
Excavating machine. H. C. Beckwith. 1,889,590; Nov. 29.
Excavating machine. R. R. Downie. 1,886,381; Nov. 8.
Excavating machine. A. Eilersgaard. 1,872,129; Aug. 16.
Excavating machine. E. L. Ennis. 1,876,283; Sept. 6.
Excavating machine. P. O. Hawkins. 1,857,302; May 10.
Excavating machine. C. H. Lotte. 1,871,539; Aug. 16.
Excavating machine. C. H. Lotte. 1,886,032; Nov. 1.
Excavating machine. J. H. O'Brien. 1,853,923; Apr. 12.
Excavating machine. H. H. Talboys. 1,874,831; Aug. 30.
Excavating machine, Mechanical. P. Shannon. 1,855,998; Apr. 26.
Excavating machinery. R. L. Brown. 1,851,346; Mar. 29.
Excavating machinery. R. Ljungkull. 1,875,052; Aug. 30.
Excavating machinery. R. Ljungkull. 1,881,748; Oct. 11.
Excavating machines, Digging element for. D. H. Young. 1,872,855; Aug. 23.
Excavating machines, Dipper trip mechanism for. G. G. Morin. 1,848,643; Mar. 8.
Excavating mechanism. L. L. Dean. 1,891,142; Dec. 13.
Excavating shovel. F. Burke. 1,843,750; Feb. 2.
Excavating system. G. L. Lillard. 1,881,743; Oct. 11.
Excavator. A. C. Clark and A. L. Graves. 1,880,807; Oct. 4.
Excavator. H. E. Cruse. 1,858,360; May 17.
Excavator and conveyer for contractors' use. C. L. Camp. 1,852,200; Apr. 5.
Excavator bucket and cleaner construction. G. A. Vaucha. 1,850,364; Mar. 22.
Excavator, Canal. A. C. Clark and A. L. Graves. 1,877,556; Sept. 13.
Excavator construction. E. H. Fundom. 1,890,727; Dec. 13.
Excavator construction, Trench. G. A. Vaughn. 1,891,353; Mar. 22.
Excavator for digging and preparing trenches, Trench. G. G. Powell. 1,846,902; Feb. 23.
Excavator, Power. E. H. Fundom. 1,890,728; Dec. 13.
Excavator, Shovel type. C. L. George. 1,891,352; Dec. 20.
Excavator, Swinging bucket line. J. A. Elliott. 1,850,659; May 24.
Exercise and massage cushion. A. W. Brand. 1,869,460; Aug. 2.
Exerciser. F. G. and W. M. Folberth. 1,853,304; Apr. 12.
Exerciser. F. C. Treat. 1,884,392; Oct. 25.
Exerciser and massaging device, Mechanical. H. E. Dierker. 1,886,896; Nov. 8.
Exerciser, Foot. W. N. Boyd. 1,850,862; Mar. 22.
Exerciser, Health. M. W. McArdle. 1,859,976; May 24.
Exercising apparatus. R. Blank. 1,877,218; Sept. 13.
Exercising apparatus. G. K. Brown. 1,850,530; Mar. 22.
Exercising apparatus. F. Denney. 1,872,256; Aug. 16.
Exercising apparatus. F. L. Dyer. 1,891,247; Dec. 20.
Exercising apparatus. P. S. Hardy and T. Smith. Des. 87,261; June 28.
Exercising apparatus. J. J. Shoemaker. 1,890,699; Dec. 13.
Exercising apparatus. J. M. Thomson and P. Hardy. 1,866,868; July 12.
Exercising apparatus. C. G. Woods. 1,867,642; July 19.
Exercising device. F. L. Galley. 1,866,024; July 5.
Exercising device. L. P. Monaco. 1,879,401; Sept. 27.
Exercising device. Re. 17,604; Apr. 12.
Exercising device. L. Pat. 1,885,473; Nov. 1.
Exercising device. P. G. Ptacek. 1,851,665; Mar. 29.
Exercising machine. C. L. Duff. 1,869,673; Aug. 2.
Exercising machine. D. Kendall and D. Heyer. 1,858,593; May 17.
Exercising machine. R. Lee. 1,845,298; Feb. 16.
Exhaust apparatus for locomotive roundhouses. L. L. Kelly. 1,887,025; Nov. 8.
Exhaust box. F. W. Fetterman. 1,875,863; Sept. 6.
Exhaust box. E. J. Vinson. 1,885,494; Nov. 1.
Exhaust box. W. F. Weiss. 1,839,433; Jan. 5.
Exhaust gas silencer. F. F. Hamilton. 1,857,845; May 10.
Exhaust silencer. H. G. Hills. 1,847,830; Mar. 1.
Exhaust silencer. T. P. Wright. 1,874,406; Aug. 30.
Exhaust silencing means. L. B. Jackson. 1,853,429; Apr. 12.
Exhaust system. A. Tomshow. 1,856,005; Apr. 26.
Exhaust treating apparatus. J. F. Webb, sr. 1,840,862; Jan. 12.
Exhauster. A. C. Rowley. 1,863,454; June 14.
Exhauster for sprinkler fire extinguishing systems. W. B. Griffith. 1,881,513; Oct. 11.
Exhausting and sealing machine. W. P. White and C. E. Ives. 1,875,789; Sept. 6.
Exhibition apparatus, Coin-controlled. L. C. Rathbun. 1,880,484; Oct. 4.
Exhibition bench. A. Hartmann. 1,839,673; Jan. 5.
Exhibitor. H. C. Grimsley. 1,863,047; June 14.
Exhibitor, Changeable. T. R. Carlson and V. A. Gromberg. 1,845,700; Feb. 16.
Exhibitor, Changeable. E. von der Lippe-Lipski. 1,887,287; May 10.
Exhibitors, Changeable. G. F. Reed. 1,872,607; Aug. 16.
Exit lock, Emergency. W. J. Carroll. 1,846,183; Feb. 23.
Exothermic acetaldehyde condensation reactions, Conduct of. E. J. Boake and L. W. E. Townsend. 1,885,221; Nov. 1.
Exothermic reactions between gases by contact with a solid catalyzer, Device for producing. E. Audibert. 1,870,665; Aug. 9.
Exothermic reactions, Process and apparatus for. L. Lheure. 1,855,134; Apr. 19.
Expander, Piston skirt. R. R. Teetor. 1,885,038; Oct. 25.
Expanding bar. B. W. Snodgrass. 1,858,373; May 17.
Expanding brake, Internal. L. D. Brauks. 1,860,01; May 24.
Expansible tank. J. C. Price. 1,852,897; Apr. 5.

Expansion bit. C. Sturni and J. H. Smith. 1,890,889; Dec. 13.
Expansion bolt. C. F. Rasmussen. 1,851,292; Mar. 29.
Expansion chamber for refrigerating mechanism. G. Mulay. Re18,633; Oct. 18.
Expansion cutter. L. J. Loeffelman. 1,861,928; June 7.
Expansion device for attachment to masonry or tile. D. N. Peirce. 1,850,768; Mar. 22.
Expansion indicator. C. A. de Giers. 1,889,089; Nov. 29.
Expansion joint. L. Davis. 1,873,825; Aug. 23.
Expansion joint. A. C. Fischer. 1,881,437; Oct. 11.
Expansion joint. J. V. Giesler. 1,873,703; Aug. 23.
Expansion joint. R. Hall. 1,852,015; Apr. 5.
Expansion joint. W. F. Kleeman. 1,841,039; Jan. 12.
Expansion joint. J. W. Lucas. 1,865,014; July 19.
Expansion joint. J. A. Macfarland. 1,890,209; Dec. 6.
Expansion joint. J. F. McKee. 1,872,088–9; Aug. 16.
Expansion joint. C. Older. 1,874,591; Aug. 30.
Expansion joint. R. C. Robertson. 1,889,498; Nov. 29.
Expansion joint. W. B. Thompson and A. B. Merrill. 1,885,391; Nov. 1.
Expansion joint, Air cell. H. B. Bleck. 1,880,725; Oct. 4.
Expansion means for bell and spigot pipes. A. E. Stringer. 1,867,776; July 19.
Expansion system for a gaseous medium. G. D. Clark. 1,872,245; Aug. 16.
Explosion chamber. R. Schilling. 1,877,983; Sept. 20.
Explosion chamber for liquid break switches. H. J. H. Huber and R. Kellogg. 1,890,327; Dec. 6.
Explosive composition. E. H. Burrows. 1,891,500; Dec. 20.
Explosion device. B. C. Goss. 1,878,491; Sept. 20.
Explosion motor, Self igniting. J. Bauer. 1,851,416; Mar. 29.
Explosive. J. A. Hammond. 1,872,941; Aug. 23.
Explosive. A. B. Holderer. 1,865,134; June 28.
Explosive. A. Hough. 1,868,388; July 19.
Explosive. P. Naoum. 1,865,382; June 28.
Explosive. G. S. Perrott and G. B. Holderer. 1,860,816; May 31.
Explosive. G. A. Pritchett. 1,882,190; Oct. 11.
Explosive and making same. A. S. O'Neil and A. G. Schuricht. 1,849,356; Mar. 15.
Explosive and making the same, Nitrocellulose. A. S. O'Neil and A. G. Schuricht. 1,849,356; Mar. 15.
Explosive assembly. W. R. Farren. 1,845,333; Mar. 8.
Explosive composition. C. P. Spaeth. 1,883,044–5; Oct. 18.
Explosive composition. R. H. Stratton. 1,880,116; Sept. 27.
Explosive composition, Gelatinous. L. O. Bryan. 1,879,064; Sept. 20.
Explosive device and the like. E. Katz. 1,845,971; Feb. 16.
Explosive, Low density. R. I. Bashford. 1,881,307; Oct. 4.
Explosive matter for the manufacture of detonating caps in accordance therewith, Initial detonating. E. von Herz. 1,878,652; Sept. 20.
Explosive mixture heating control. D. Firth. 1,881,434; Oct. 11.
Explosive mixture of high shattering power, Plastic. A. Stettbacher. 1,867,283; July 12.
Explosive mixture, Plastic. A. Stettbacher. 1,867,285; July 12.
Explosive of great energy and constant detonation speed, Gelatinated. A. Stettbacher. 1,867,287; July 12.
Explosive, Propellant. J. B. McNutt. 1,858,373; May 17.
Explosives and producing the same, Nitrate carbohydrate. P. G. Wrightsman. 1,891,255; Dec. 20.
Explosives, Manufacture of tetrazene. H. Rathsburg. 1,859,529; May 24.
Exposure indicator for photographic shutters. E. Wildhaber and Ernst. 1,839,517; Jan. 5.
Exposures, Making double. M. Handschiegl. 1,840,669; Jan. 12.
Extensible and reversible table. G. Beauvais and J. Beauvais. 1,874,693; Aug. 30.
Extensible chair. A. J. May. 1,856,493; May 3.
Extensible ice C. Campbell. 1,885,640; Oct. 18.
Extension device. F. Armbrust. 1,876,443; Sept. 6.
Extension device. J. M. Dallas. 1,841,278; Jan. 12.
Extension device, Foldable. J. L. Hogberg. 1,839,788; Jan. 5.
Extension device, Self closing. G. U. Meyer. 1,846,688; Feb. 23.
Extension handle, Adjustable. P. F. Donahue. 1,856,845; May 3.
Extension table. W. Balschuweit. 1,870,222; Aug. 9.
Extension table. B. Benzon. 1,887,114; Nov. 8.
Extension table. M. Burg. 1,860,990; May 31.
Extension table. H. Fox. 1,875,295; Aug. 30.
Extension table. J. Hanson. 1,887,266; Nov. 8.
Extension table. J. L. Pulaski. 1,888,124; Nov. 15.
Extension table. F. B. Walter. 1,842,304; Jan. 19.
Extension table. F. B. Walter. 1,853,009; Apr. 5.
Extension table. M. Wurm. 1,853,527; Apr. 12.
Extension top table. H. A. Hall. 1,861,565; June 7.
Extensions, Airway elbow attachment for hose. D. B. Replogle. 1,884,864; Oct. 25.
Extensometer. F. F. Metzger. 1,884,073; Oct. 25.
Exterminator for house and blow flies, Outdoor sanitary. E. L. Watson. 1,862,326; June 7.
Exterminator, Insect. A. E. Rittenhouse. Des. 87,357; July 12.
External combustion engine. R. B. Dale. 1,849,347; Mar. 15.
Extinguisher for cigarettes and the like. C. B. Armstrong. 1,888,105; Nov. 15.
Extinguisher for cigarettes and the like. W. A. Bessmer. 1,889,801; Dec. 6.
Extinguisher for cigarettes or the like. H. P. Seitz. 1,848,385; Mar. 8.
Extract and beverage and making the same. U. G. Todd. 1,856,973; May 3.
Extract in powdered form, Preparing hop flavored malt. C. J. Koch. 1,852,418; Apr. 5.
Extract or parathyroid gland and preparing the same. A. H. Hanson. 1,890,851; Dec. 13.
Extracting and filtering apparatus. P. L. Fauth. 1,864,237; June 21.
Extracting and inserting device. A. J. Jacobsen and J. C. McClure. 1,876,500; Sept. 6.
Extracting and pulp forming process and apparatus therefor, Interseated. R. B. Robertson. 1,844,690; Feb. 9.
Extracting means. C. F. Loesch. 1,851,856; Mar. 29.
Extraction of organic substances. K. Vierling. 1,887,050; Nov. 8.
Extraction or other countercurrent treatment, Method of. J. M. Coahran. 1,870,834; Aug. 9.
Extractor; &c—
Body pattern extractor.
Bushing extractor.
Centrifugal extractor.
Clear top extractor.
Clinker extractor.
Foot valve extractor.
Fruit juice extractor.
Grapefruit juice extractor.
Honey extractor.
Hull extractor.
Juice extractor.
Liquid extractor.
Mist extractor.
Packing extractor.
Paper pulp extractor.
Screw extractor.
Shaft extractor.
Tire core extractor.
Tool extractor.
Waste oil extractor.
Weed extractor.
Extractor. A. H. Adams. 1,847,159; Mar. 1.
Extractor. W. Bush. 1,859,017; May 24.
Extractor. T. F. Githens and J. V. Emmons. 1,863,046; June 14.
Extractor and bottle opener, Cork. J. H. Weller. 1,861,993; June 7.
Extractor column having a liquid level regulator. J. M. Coahran. 1,845,129; Feb. 16.
Extractor fitting. N. D. Edwards. 1,846,677; Feb. 23.
Extractor for cotton, Hull. W. S. Smith. 1,854,076; Apr. 12.
Extractor for screws and the like. N. Randall and J. B. Dillard. 1,883,045; June 14.
Extractor for vacuum lines and tanks, Automatic liquid. N. S. Endicott and A. H. Riney. 1,860,889; May 31.
Extractors, Unloading net for. F. Balzer. 1,871,402; Aug. 9.
Extracts from grain, Separating. A. E. Becker. 1,882,738; Oct. 18.
Extracts, Preparation of. D. K. Tressler. 1,840,798; Jan. 12.
Extruded shapes with interlocked joints and method of making. G. F. Westerman. 1,891,740; Dec. 20.
Extruding apparatus. B. M. A. Trebes. 1,859,901; May 24.
Extruding machine. W. Prussing. 1,856,290; May 3.
Extrusion. F. Singer. 1,878,722; Sept. 20.
Extrusion apparatus. W. A. Benz. 1,841,396; Jan. 19.
Extrusion apparatus. C. C. Bunker. 1,883,531; Oct. 18.
Extrusion die. G. W. Greene. 1,874,503; Aug. 30.
Extrusion press. F. H. Barnsley. 1,868,189; July 19.
Extrusion press. F. Singer. 1,839,421; Jan. 5.
Extrusion residue, Apparatus for removing. F. Singer. 1,842,695; Jan. 26.
Extrusion rolling. G. Ramsey. 1,851,063; Mar. 29.
Eyebar. J. B. Strauss. 1,839,812; Jan. 5.
Eyebrows and eyelashes, Dyeing. L. J. Norris. 1,888,883; Nov. 22.
Eye, Device for testing the. E. D. Tillyer, E. A. Forshey, and I. S. Nott. 1,887,049; Nov. 8.
Eye diagnosis, Appliance for. B. Kronenberger. 1,847,614; Mar. 1.
Eye dropper. D. F. Strauss. 1,855,653; Apr. 26.
Eye examining instrument. D. Desmond and N. M. Baker. 1,852,837; Apr. 5.
Eye examining instrument. E. D. Tillyer. 1,859,756; May 24.
Eye exerciser. B. A. Ball. 1,861,897; June 7.
Eye flickering means for toys and the like. N. Morganstern and J. Tascher. 1,877,940; Sept. 20.
Eye for dolls and the like, Movable. J. L. Litomy. 1,849,804; Mar. 15.
Eyeglass and spectacle case. G. L. Hommel. Des. 87,878; Oct. 4.
Eyeglass attachment. W. B. Conrad. 1,864,123; June 21.
Eyeglass case. S. L. Lachter. 1,891,233; Dec. 20.
Eyeglass construction. G. E. Nerney. 1,840,787; Jan. 12.
Eyeglass construction. G. E. Nerney. 1,845,761; Feb. 16.
Eyeglass frame, Collapsible. J. Gaspari. 1,892,642; Dec. 27.
Eyeglass lens fastening. L. H. Echols. 1,890,725; Dec. 13.
Eyeglass lens. G. H. Rhue. 1,882,909; Oct. 18.
Eyeglass lens. W. R. Uhlemann. 1,881,982; Oct. 11.
Eyeglass mirror. J. Rowan. 1,892,365; Dec. 27.
Eyeglasses. A. E. Jones. 1,856,163; May 3.

Eyeglasses. I. M. Schwab. 1,873,388; Aug. 23.
Eyeglasses, Pair of Oxford. J. L. Lozea. Des. 87,073 May 31.
Eyelashes for dolls, Artificial. P. Harris. Re18,337; Jan 19.
Eyelet. T. E. Sitton. 1,891,065; Dec. 13.
Eye mounting for dolls. L. J. Grubman. 1,852,301; Apr. 5.
Eye mounting for dolls. J. L. Litomy. 1,870,368; Aug. 9.
Eye set. A. Konoff. Re18,555; Aug. 30.
Eye set for dolls, Movable. S. Marcus. 1,865,475; July 5.
Eye shade, goggles, and the like. K. G. Nowak. 1,868,362; July 19.
Eye shield. H. Lang. 1,857,156; May 10.
Eyes for dolls, Movable. D. Zaiden. 1,885,573; Nov. 1.
Eyeshield. E. Scherz. 1,890,865; Dec. 13.
Eyesight, Apparatus for testing the. R. W. Rigler 1,879,501; Sept. 27.
Eye structure for dolls, Detachably mounted. D. Zaiden 1,876,381; Sept. 6.
Eye testing apparatus, Portable. F. Harker. 1,874,986, Aug. 30.
Eye testing device. R. L. Stimson and W. H. Boutelle. 1,873,356; Aug. 23.
Eye testing device. E. D. Tillyer and N. M. Baker. 1,880,028; Sept. 27.
Eye testing device. E. D. Tillyer and C. H. Pond 1,870,837; Sept. 27.
Eye testing device, Multi-focal. J. W. Smith. 1,871,894, Aug. 9.
Eye testing instrument. E. D. Tillyer. 1,853,710; Apr. 12.
Eye testing instrument. E. D. Tillyer. 1,854,724; Apr. 19.
Eyelet for clasps. A. Danenberg. 1,873,699; Aug. 23.
Eyelet setting machines. Eyelet feeding mechanism for. C. N. Kelly. 1,877,813; Sept. 20.
Eyes, Mounting movable. J. H. Wilhelm. 1,859,321; May 24.
Fabric or—
Chenille fabric.
Cord fabric.
Decorative fabric.
Elastic fabric.
Electric knitted fabric.
Gas cell fabric.
Gasproof balloon fabric.
Knitted fabric.
Onyx fabric.
Pile fabric.
Reenforcing fabric.
Rubberized fabric.
Terry woven fabric.
Textile fabric.
Tubular knit ribbed fabric.
Warp pile fabric.
Wire fabric.
Wire mesh fabric.
Woven fabric.
Fabric. F. L. Brigham. 1,877,799; Sept. 20.
Fabric. A. Hoffacker. 1,879,242; Sept. 27.
Fabric and making same. Woven. E. C. Bunnell and E. W. Barnes. 1,878,620; Sept. 20.
Fabric and making the same. J. E. George. 1,877,394; Sept. 20.
Fabric and making the same, Coated. D. Carnegie, jr. 1,857,865; May 10.
Fabric and making the same, Differentially colored. G. Rivat. 1,870,786; Aug. 9.
Fabric and making the same, Friction. W. Nanfeldt. 1,864,070; June 21.
Fabric and making the same, Knitted. A. Graenz. 1,856,053; Apr. 26.
Fabric and making the same, Mildewproof. W. H. Adams. 1,890,717; Dec. 13.
Fabric and making the same, Ornamented. H. J. Foster. 1,861,903; May 31.
Fabric and making the same, Reenforced wire. I. A. Green. 1,866,850; July 12.
Fabric and making the same, Rib-knitted. E. U. Ames and H. S. Horrocks. 1,858,814; May 17.
Fabric and method and apparatus for making the same, Crimped. M. Buffington. 1,844,338; Feb. 9.
Fabric and producing it, Cleaning or polishing. E. A. McCormick. 1,886,824; Nov. 8.
Fabric, and producing the same, Differentially colored. C. Dreyfus and H. Platt. 1,870,837; Aug. 9.
Fabric and producing the same, Rubberized. F. H. Underhill. 1,855,036; Feb. 16.
Fabric and product thereof, Treating. H. Platt. 1,857,163; May 10.
Fabric and product thereof, Treatment of. C. Dreyfus and H. Platt. 1,883,348; Oct. 18.
Fabric and weaving same, Woven. J. Erkes and J. Krehbiel. 1,854,181; Apr. 19.
Fabric, Apparatus for bleaching. J. F. O'Donoghue. 1,842,363; Jan. 19.
Fabric, Apparatus for forming weftless cord. W. W. Stephens. 1,862,490; June 7.
Fabric, Apparatus for piling layers of. L. N. Gross. 1,842,164; Jan. 19.
Fabric, Apparatus for treating rolled. J. Spalding. 1,865,218; June 28.
Fabric attaching device. T. P. Lohrman. 1,848,637; Mar. 8.
Fabric containing cellulose esters, Treatment of. C. Dreyfus and H. Platt. 1,884,620; Oct. 25.
Fabric containing cellulose esters, Treatment of. C. Dreyfus and G. Schneider. 1,884,622; Oct. 25.
Fabric doubling machine. J. Monforts and F. Wirtz. 1,857,735; May 10.
Fabric dyeing machine. F. Duffy. 1,869,674; Aug. 2.
Fabric finishing. J. Robertson. 1,864,373; June 21.
Fabric for hosiery, Knitted. H. Harris. 1,877,458; Sept. 13.
Fabric for shoe uppers. H. Lehmann. Des. 86,781; Apr. 19.
Fabric for window shades and the like, Lightproof. W. M. St. Clair. 1,890,869; Dec. 13.
Fabric forming machine and method of making ornamental designs. T. B. Betterton. 1,845,976; Feb. 16.
Fabric from artificial threads. A. L. Erlanger and M. Wadewitz. 1,856,322; May 3.
Fabric hand covering. M. McKinley. 1,861,281; May 31.
Fabric having elastic courses, Knitted. R. H. Lawson. 1,843,086; Jan. 26.
Fabric having lap stripes and yarn variation and the resulting fabric. Producing knitted. J. and R. H. Lawson. 1,848,362; Mar. 8.
Fabric having lap stripes, Mechanism and process for producing knitted. J. Lawson and R. H. Lawson. 1,872,760; Aug. 23.
Fabric holding device. A. D. Elliott. 1,856,244; May 3.
Fabric impregnating machine. E. A. Rusden. 1,879,520; Sept. 27.
Fabric, Making a fiber. L. Larsen. 1,862,687; June 14.
Fabric, Making embossed. W. H. Lees. 1,871,855; Aug. 16.
Fabric, Manufacturing bias. R. J. Ford. 1,870,843; Aug. 9.
Fabric measuring and cutting device for bead dipper machines. H. A. Denmire. 1,871,119; Aug. 9.
Fabric, Method and apparatus for producing fancy knit. E. O. Nebel. 1,852,936; Apr. 5.
Fabric, Method and mechanism for making knitted. A. Graenz. 1,862,514; June 7.
Fabric of nonfluctile strands, Woven open. F. B. Riley. Des. 87,410–11; July 19.
Fabric, Producing tubular knit ribbed. J. Saftlas. 1,890,417; Dec. 13.
Fabric, Producing. E. C. Bunnell. 1,891,912; Dec. 27.
Fabric or a similar article, Embroidered textile. E. W. Breedenberg. Des. 87,331–9; July 12.
Fabric or similar article, Textile. V. Hamill. Des. 86,674; Apr. 5.
Fabric or similar article, Textile. W. H. Mayer, jr. Des. 87,074; May 31.
Fabric or the like from vegetable fibrous materials, Production of soft. F. Thies. 1,885,019; Oct. 25.
Fabric printing machine. M. Partiot. 1,845,553; Feb. 16.
Fabric, Process and machine for producing knitted. F. R. Page. 1,865,385; June 28.
Fabric product and making the same, Embossed. E. E. George. 1,852,964; Apr. 5.
Fabric take-up and stop motion device for knitting machines. H. Swinglehurst. 1,870,879; Aug. 9.
Fabric to airplane ribs, Device for attaching. M. N. Matveyeff. 1,878,417; Sept. 20.
Fabric treating device. S. Jaggur. 1,868,170; July 19.
Fabric, Treating gas cell. W. C. Calvert. 1,846,790; Feb. 23.
Fabric, Treatment of. C. Dreyfus and H. Platt. 1,884,621; Oct. 25.
Fabric trimming, Embroidered textile. E. G. Zullig. 86,502; Mar. 8.
Fabric with sized weft, Tufted. C. Alvord. 1,845,778; Feb. 16.
Fabricated metal grand stand. R. E. Jones. 1,882,148; Oct. 11.
Fabrics, Adhering. A. C. Fischer. 1,881,435; Oct. 11.
Fabrics and articles containing organic derivatives of cellulose, Embossing. C. Dreyfus. 1,889,045; Nov. 29.
Fabrics and the like, Device for treating. P. Maser. 1,845,497; Mar. 15.
Fabrics, Apparatus and method for treating. F. E. Coatsworth. 1,881,310; Oct. 4.
Fabrics, Apparatus for cleaning and conditioning. M. F. Flynn. Re18,583; Aug. 30.
Fabrics, Apparatus for cleaning and conditioning. M. F. Flynn. 1,847,870; Mar. 1.
Fabrics, Apparatus for embossing. J. Miller. 1,885,618; Nov. 1.
Fabrics, Apparatus for the production of metallic. F. B. Riley. 1,842,120; Jan. 19.
Fabrics, Apparatus for treating and aging. E. S. Chapin and A. H. Jacoby. 1,861,693; June 7.
Fabrics, Apparatus for tufting. D. Van Dyke. 1,888,941; Nov. 22.
Fabrics, Cleaning. G. E. Olsen. 1,851,015; Mar. 29.
Fabrics containing cotton fibers, preliminarily immunized, which are combined with other fibers, Dyeing and printing of. R. Petitdidier and F. V. Feynier. 1,847,698; Mar. 8.
Fabrics, Controlling the lustre of. C. Dreyfus. 1,860,456; May 31.
Fabrics, Embossing circular knit. C. Dreyfus. 1,889,062; Nov. 29.
Fabrics, leather and other materials, Dyeing and figuring woven, knitted and plaited. W. Haendel. 1,876,052; Sept. 6.
Fabrics, Making. A. Unger. 1,889,733; Nov. 29.
Fabrics, Making composite. J. W. Ballard. 1,861,044; May 31.
Fabrics, Making textile. L. Silverman. 1,841,159; Jan. 12.
Fabrics, Making viscose-latex coated. W. C. Calvert. 1,862,504; June 7.

Fabrics, Manufacture of. J. Morton. 1,856,782; May 3.
Fabrics, Manufacture of mosaic. E. C. Dearden. 1,888,492; Nov. 22.
Fabrics, Manufacture of new or improved. W. A. Dickie and H. Halkyard. 1,889,061; Nov. 29.
Fabrics, Manufacture of plain or patterned tufted or pile. J. Morton. 1,850,984; Mar. 22.
Fabrics, Method and apparatus for making pile. E. H. Ward. 1,804,478; June 21.
Fabrics, Method of and attachment for running-on knitting. R. H. Lawson and A. N. Cloutier. 1,890,880; Dec. 13.
Fabrics, Process and apparatus for weaving. P. Mattler. 1,859,571; May 24.
Fabrics, Process and machines for making knitted. J. C. Williams. 1,870,701; Aug. 9.
Fabrics, Saturating. J. Zavertnik and A. A. MacCubbin. 1,845,775; Feb. 16.
Fabrics, Shrinking. S. L. Cluett. 1,861,422; May 31.
Fabrics to linings, Applying backing. A. R. Maulsby. 1,875,077; Aug. 30.
Fabrics, Treating and aging. E. S. Chapin and A. H. Jacoby. 1,869,624; June 7.
Fabrics, Treating impregnated. H. P. Hayden. 1,870,564; Aug. 9.
Fabrics woven in shuttleless looms, Securing the edges of. W. A. Dickie and F. C. Hale. 1,854,693; Apr. 19.
Face, Clock. R. U. Starkey. Des. 87,365; July 12.
Face massaging apparatus. F. P. Strelitz. 1,877,616; Sept. 13.
Face massaging instrument. N. N. Schroeder. 1,882,370; Oct. 11.
Face plate. A. H. Nero. 1,858,107; May 10.
Facing and stacking machine. A. E. Burtchaell. 1,849,491; Mar. 15.
Facing for wall building blocks. C. A. Willson. 1,844,828; Feb. 9.
Facings to walls, Attaching tile. H. Bartels. 1,887,113; Nov. 8.
Facsimile system. C. W. Hough. 1,886,189; Nov. 1.
Factory management, Apparatus for use in. L. T. Littlefield. 1,857,204; May 10.
Factory management, Method for use in. F. E. Darling. 1,857,587; May 10.
Fading by diversity factor, Elimination of. H. O. Peterson. 1,863,695; June 21.
Fading, Eliminating. E. F. W. Alexanderson. 1,853,021; Apr. 12.
Fading, Eliminating. J. Weinberger. 1,849,859; Mar. 15.
Fagoting embroidery and manufacturing same. J. Snarck. Reissue 18,119; Jan. 19.
Fairing device. I. M. Freeman. 1,881,073; Oct. 4.
Fairing to airplane wheels, Attaching. J. H. Barber. 1,881,432; June 7.
Fan. W. W. Allen. 1,855,660; Apr. 26.
Fan. W. P. Aron. Des. 87,138; June 21.
Fan. B. Conner. 1,863,004; June 14.
Fan. A. D. Gardner. 1,868,528; July 26.
Fan. A. Giambertoni. 1,872,078; Aug. 16.
Fan. P. Gunter. 1,868,113; July 19.
Fan. L. M. Persons. 1,847,666; Mar. 1.
Fan. L. M. Persons. 1,856,587; May 3.
Fan. L. M. Persons. 1,866,127; July 5.
Fan. L. M. Persons. 1,889,567; Nov. 29.
Fan, Adjustable. L. M. Baker. 1,856,017; Apr. 26.
Fan, Air. A. H. Robinson. 1,843,786; Feb. 2.
Fan and compact. A. Ermitano. 1,867,815; July 19.
Fan and directing the air current therethrough. L. M. Persons. 1,861,608; June 7.
Fan and filter, Furnace. P. E. Grunwaldt. 1,841,314; Jan. 12.
Fan and operating the same. H. F. Hagen. 1,846,863; Feb. 23.
Fan, Angular-flow. E. L. Anderson. 1,886,513; Nov. 8.
Fan base. J. Lanz. 1,871,001; Aug. 9.
Fan blade. E. Kartagoyan. 1,872,799; Aug. 23.
Fan blade attachment. J. P. Dore. 1,869,802; Aug. 2.
Fan, Centrifugal. H. F. Hagen. 1,887,873; Nov. 15.
Fan, Centrifugal. P. Minnaja. 1,849,088; Jan. 26.
Fan construction. C. T. Doman. 1,876,871; Sept. 13.
Fan-cooled motor, Inclosed. H. L. Barnholdt. 1,858,261; May 17.
Fan driving mechanism. H. E. McCray. 1,848,260; Mar. 8.
Fan for furnace hot air pipes. A. L. Searles. 1,886,841; Nov. 8.
Fan for pneumatic blowers and the like. S. O. Melos. 1,884,067; Oct. 25.
Fan for water closets, Ventilator. J. Hertzog. 1,862,085; June 7.
Fan, Hand. M. Lichter. 1,841,137; Jan. 12.
Fan housing construction. C. T. Morse. 1,875,881; Sept. 6.
Fan, Impulse. M. M. Munk. 1,870,342; Aug. 9.
Fan, Induction flow inlet. E. L. Anderson. 1,862,523; June 14.
Fan, Making a. E. Mathis. 1,876,518; Sept. 6.
Fan manufacture. J. Pavlecka. 1,861,025; May 31.
Fan motor. P. D. Z. Riley. 1,848,199; Mar. 8.
Fan or blower. N. F. T. Saunders. 1,882,961; Oct. 18.
Fan, Pliable. E. Riva. 1,863,997; June 21.
Fan, Pulley driven disc. G. de Bothezat. 1,887,370; Nov. 8.
Fan, Register. J. L. Waterbury. 1,875,683; Sept. 6.
Fan, Rotating. E. S. Hemmerly. 1,882,663; Oct. 18.
Fan, Suction and exhaust. J. D. Parker. 1,856,398; May 3.
Fan, Traveling. C. L. Lytton. 1,882,366; Oct. 11.
Fan, Ventilating. M. Berman. Re18,489; June 7.
Fan, Ventilating. F. H. Prescott. 1,869,115; July 26.
Fan wheel. F. J. McMurdie. 1,877,347; Sept. 13.
Fans, Air cooling attachment for electric. C. Adler, jr. 1,874,843; Aug. 30.
Fans, Apparatus and method of controlling. E. L. Anderson. 1,846,379; Feb. 23.
Fans, Apparatus and method of controlling. E. L. Anderson. 1,852,289; June 7.
Fans, Rotating device for. J. R. Ferguson. 1,879,150; Sept. 27.
Fare indicator. L. Kern. 1,843,166; Feb. 2.
Fare indicator. P. Riegger. 1,856,403; May 3.
Fare registering, recording, and ticket issuing machine. J. F. Ohmer and A. S. Wheelbarger. 1,853,741; Apr. 12.
Fares or other receipts, Apparatus for indicating, recording, and registering. A. S. Wheelbarger. 1,853,648; Apr. 12.
Farm gate. J. C. Schulte. 1,879,542; Sept. 27.
Farming implement. W. A. Vanover. 1,875,308; Aug. 30.
Farrowing house. W. D. Bayley. 1,858,699; May 17.
Farrowing house. W. D. Bayley. 1,879,781; Sept. 27.
Fascia plate installation. T. J. Osinga. 1,867,230; July 12.
Fastener. J. Berge. 1,887,616; Nov. 15.
Fastener. H. A. Borresen. 1,843,599; Feb. 2.
Fastener. D. A. Brennan. 1,850,376; Mar. 22.
Fastener. A. B. Colby. 1,879,100; Sept. 27.
Fastener. M. J. Ford. 1,856,816; May 3.
Fastener. J. L. Guerrant. 1,846,421; Feb. 23.
Fastener. B. P. Holzberg. 1,882,496; Oct. 11.
Fastener. W. O. Isaacson. 1,846,872; Feb. 23.
Fastener. I. Jacobs. 1,857,309; May 10.
Fastener. H. W. and L. W. Johnson. 1,876,683; Sept. 13.
Fastener. A. W. Kimbell. 1,846,736; Feb. 23.
Fastener. R. Mitchell. 1,850,119; Mar. 22.
Fastener. S. H. Norton. 1,854,635; Apr. 12.
Fastener. R. Orthwein. 1,863,381; June 14.
Fastener. L. Reiter. 1,872,187; Aug. 16.
Fastener. J. Sanon. 1,874,632; Aug. 30.
Fastener. A. H. Swett. 1,883,088; Oct. 18.
Fastener. H. P. Troendly. 1,876,477; Sept. 6.
Fastener. R. H. White. 1,868,810; July 26.
Fastener. R. S. Williams. 1,889,700; Mar. 15.
Fastener, Adjustable. J. S. Norton. 1,868,718; July 26.
Fastener and blank, Tubular. E. L. Sibley. 1,845,524; Feb. 16.
Fastener and installation thereof, Separable snap. C. L. Hall and R. F. Walters. 1,873,880; Aug. 23.
Fastener and insulations thereof, Slide. G. Johnson. 1,872,960; Aug. 23.
Fastener and key, Tie wire. E. C. Pitcher. 1,871,196; Aug. 16.
Fastener and making, Separable. F. C. Nodine. 1,890,335; Dec. 6.
Fastener, Attaching a cover. C. G. Leigh. 1,879,984; Sept. 27.
Fastener attaching machine. J. M. Clark. 1,842,247; Jan. 19.
Fastener, Automatic window. W. M. Spindler. 1,858,345; May 17.
Fastener, Bag. W. C. Hiering. 1,874,907-8; Aug. 30.
Fastener, Bag frame. W. C. Hiering. 1,843,557; Feb. 2.
Fastener, Bag frame. W. C. Hiering. 1,868,501; July 26.
Fastener, Basket. C. E. Williams. 1,843,379; Feb. 2.
Fastener, Canopy. T. Teubbet. 1,885,514; Nov. 1.
Fastener, Carpet. F. E. Fenton. 1,850,622; Mar. 22.
Fastener, Carpet. E. D. Janes. 1,854,843; Apr. 19.
Fastener, Carpet. G. A. King and F. Tooke. 1,872,001; Aug. 16.
Fastener, Closure. J. J. Beadle. 1,871,580; Aug. 16.
Fastener, Closure. L. Lawson. 1,847,170; Mar. 15.
Fastener, Closure. G. D. and J. M. Lyles. 1,873,658; Aug. 23.
Fastener, Closure. T. O. Schrader. 1,855,996; Apr. 26.
Fastener, Collar. N. J. Napoli. 1,839,331; Jan. 5.
Fastener, Collar. M. O. Nobbe. 1,851,589; Mar. 29.
Fastener construction. R. Mitchell. 1,870,061; Aug. 2.
Fastener, Cover. R. D. Anderson. 1,859,645; May 24.
Fastener, Cover. B. Morey. 1,851,641; Mar. 29.
Fastener, Cowling. R. Anderson. 1,853,075; Apr. 12.
Fastener, Crate. J. O. Turner. 1,871,482; Aug. 16.
Fastener, Cuff. A. L. May. 1,849,329; Mar. 15.
Fastener, Curtain. L. Reiter. 1,841,630; Jan. 19.
Fastener, Door. E. J. Dowling. 1,888,425; Nov. 22.
Fastener, Door. F. D. Grund. 1,852,008; Apr. 5.
Fastener element. E. W. Rutherford. 1,870,873; Aug. 9.
Fastener elements, Making. E. W. Rutherford. 1,890,471; Dec. 13.
Fastener, fastener installation, and attaching the same, Separable. A. W. Kimbell. 1,872,968; Aug. 23.
Fastener, Flush type curtain. A. W. Kimbell and C. L. Knutson. 1,846,735; Feb. 23.
Fastener for ambulances, Cot. H. Van Deest. 1,859,480; May 24.
Fastener for ambulances, Cot. A. F. Wintercorn. 1,859,484; May 24.

Fastener for automobile truck doors. C. E. Palmquist. 1,865,205; June 28.
Fastener for bands and the like. D. A. Bradley. 1,855,007; Apr. 19.
Fastener for baskets and like containers. W. W. Hargrove. 1,849,326; Mar. 15.
Fastener for boxes or the like. A. A. Weller. 1,864,780; June 28.
Fastener for cold storage and refrigerator doors. E. J. Reinhart. 1,840,252; Jan. 5.
Fastener for conveyer machinery, Pan. A. J. Nousi. 1,877,025; Sept. 13.
Fastener for gloves and shoes, Adjustable. E. Merzinger. 1,839,574; Jan. 5.
Fastener for plug caps, Wire. H. Hubbell, jr. 1,847,246; Mar. 1.
Fastener for shoulder straps. M. Hermanns. 1,858,776; May 17.
Fastener for tarpaulins. J. W. Waltz. 1,871,101; Aug. 9.
Fastener for use in wearing apparel. A. J. Groh. 1,840,386; Jan. 12.
Fastener for window shade pulls. C. F. Shugrue. 1,852,131; Apr. 5.
Fastener, Garment. R. T. Dawes. 1,892,610; Dec. 27.
Fastener, Garment. J. Solomon. 1,853,938; Apr. 12.
Fastener, Garment. F. Wright. 1,861,829; June 7.
Fastener, Guard plate. H. P. Christensen. 1,873,378; Sept. 20.
Fastener, Hinged pin. P. E. Fenton. 1,892,236; Dec. 27.
Fastener, Hood. C. L. Hennicke. 1,885,824; Nov. 1.
Fastener, Hood. J. S. Keeler. 1,867,840; July 19.
Fastener, Hub cap. R. D. Hyatt. 1,889,070; Nov. 29.
Fastener-inserting machine. P. R. Glass. 1,854,469; Apr. 19.
Fastener-inserting machine. P. R. Glass. 1,872,441; Aug. 16.
Fastener-inserting machine. T. E. Grimes. 1,883,368; Oct. 18.
Fastener, inserting machine. P. Mattler. 1,855,481; Apr. 26.
Fastener-inserting machine. M. D. Phelan. 1,882,031; Oct. 11.
Fastener, Lever. G. T. Walker and H. H. Wood. 1,852,037; Apr. 5.
Fastener, License plate. C. Washburn. 1,855,931; Apr. 26.
Fastener, Line. G. C. Maxwell. 1,839,691; Jan. 5.
Fastener, Lock. L. Frank. 1,891,637; Dec. 20.
Fastener, Locking member, Separable. G. Sundback. 1,846,919–21; Feb. 23.
Fastener member, Snap. G. Johnson. 1,873,891; Aug. 23.
Fastener, Multiple operated. G. Johnson. 1,865,393; June 28.
Fastener, Necktie. L. R. Roberts. 1,887,104; Nov. 8.
Fastener or closure device, Separable. W. Winberg. 1,855,272; Apr. 26.
Fastener, Paper. R. Orthwine. 1,850,155; May 24.
Fastener, Pin. E. H. Misner. 1,873,749; Aug. 23.
Fastener, Pin. G. Johnson. 1,859,254; May 17.
Fastener, plate feeding mechanism. M. M. Lyons. 1,859,101; May 17.
Fastener, Press. V. Puc. 1,887,466; Nov. 8.
Fastener, Press. V. Puc. 1,892,630; Dec. 27.
Fastener, Rail. J. A. Mcgrew. 1,887,457; Nov. 8.
Fastener, Rail. L. Ottrosinka. 1,880,180; Sept. 27.
Fastener, Rail and tie. V. L. Keech. 1,870,631; Aug. 9.
Fastener, Roofing. J. and H. Fulenwider. 1,850,318; Oct. 4.
Fastener, Roll screen. S. Kranz. 1,877,407; Sept. 13.
Fastener, Rubber sealed. S. H. Norton. 1,876,338; Sept. 6.
Fastener, Safety removable. A. Rebel. 1,856,843; May 3.
Fastener, Screen. H. W. Smith. 1,875,271; Aug. 30.
Fastener, seal pin type, Closure. E. A. Sweeley and N. T. Anderson. 1,878,551; Sept. 20.
Fastener, Self locking pin. G. Boden. 1,843,703; Feb. 2.
Fastener, Separable. S. Carr. 1,846,791; Feb. 23.
Fastener, Separable. M. F. Carr. 1,842,386; Jan. 26.
Fastener, Separable. M. F. Carr. 1,859,252; May 17.
Fastener, Separable. D. P. Dalton. 1,889,467; Nov. 29.
Fastener, Separable. P. E. Fenton. 1,858,441; May 17.
Fastener, Separable. W. C. French. 1,850,320; Mar. 22.
Fastener, Separable. E. D. Godsil. 1,850,504; Mar. 22.
Fastener, Separable. G. Johnson. 1,873,892; Aug. 23.
Fastener, Separable. R. C. Lenat. 1,889,336; Nov. 29.
Fastener, Separable. D. Marinsky. 1,852,176; Apr. 5.
Fastener, Separable. N. J. Poux. 1,859,572; May 24.
Fastener, Separable. N. J. Poux. 1,863,535; June 14.
Fastener, Separable. N. J. Poux. 1,864,614; June 28.
Fastener, Separable. P. Schrunck. 1,850,620; Mar. 22.
Fastener, Separable. M. C. Wiley. 1,867,126; July 12.
Fastener, setting machine. E. M. Crosby. 1,859,026; May 17.
Fastener setting machine, Duplex. G. W. Jacques. 1,852,849; Apr. 5.
Fastener, Shipping basket cover. W. W. Hargroves. 1,880,132; Sept. 27.
Fastener, Shoe lace. A. M. Berger. 1,876,505; Sept. 6.
Fastener, Slide. J. W. Dews. 1,880,317; Oct. 4.
Fastener, Slide. A. W. Kimbell. 1,871,378; Aug. 9.
Fastener, Slide. S. H. Norton. 1,842,045; Jan. 19.
Fastener, Slide. S. H. Norton. 1,867,586; July 19.
Fastener, Slide. D. I. Reiter. 1,859,271; May 17.
Fastener slide, Pronged. D. I. Reiter. 1,889,322; Nov. 29.
Fastener slide, Self adjusting. D. I. Reiter. 1,857,973; May 10.
Fastener slide, Socket. D. I. Reiter. 1,849,807; Mar. 15.
Fastener, Snap. J. W. Dews. 1,885,806; Nov. 1.
Fastener, Snap. A. Monnn. 1,890,912; Dec. 13.
Fastener, Snap. R. F. Walters. Re18,589; Sept. 6.
Fastener socket member, Slide. A. F. Johnson. 1,866,355; July 5.
Fastener, Spacing. W. H. F. Ziedrich. 1,887,002; Nov. 8.
Fastener, Storm sash. A. T. Larsen. 1,856,569; May 3.
Fastener, Stovepipe. H. Monroe. 1,864,086; June 21.
Fastener, Strap. A. K. Spaulding. 1,855,894; Apr. 26.
Fastener stud and installation thereof, Snap. M. F. Carr. 1,873,871; Aug. 23.
Fastener stud, Self locking snap. W. I. Jones. 1,873,893; Aug. 23.
Fastener, Tapping. G. C. Trotter. 1,862,486; June 7.
Fastener, Tire chain. F. E. Stahl. 1,851,460; Mar. 29.
Fastener, Tire chain. F. E. Stahl and H. Dudley. 1,860,695; May 31.
Fastener, Trough. A. D. Kumpf. 1,867,460; July 12.
Fastener, Wall board. L. H. Lee. 1,859,779; May 24.
Fastener, Window. J. T. Dawicki, jr. 1,857,943; May 10.
Fastener, Window. L. Pat. 1,868,949; July 26.
Fastener, Wire. W. H. F. Ziedrich. 1,853,488; Apr. 12.
Fastener, Wire fence. H. M. Young. 1,848,452; Mar. 8.
Fastenerş, Apparatus for attaching paper. F. J. Kline. 1,869,971; Aug. 2.
Fasteners, Device for forming wire. E. Sorrick. 1,862,717; June 14.
Fasteners, Device for the manufacture of separable. H. Riedels. 1,889,803; Dec. 6.
Fasteners for ambulances, Cot. H. Van Deest. 1,858,530; May 17.
Fasteners, Manufacturing. G. M. Gay. 1,848,877; Mar. 8.
Fastening. C. V. Brady. 1,853,013; Apr. 5.
Fastening. E. E. Long and W. C. Goetze. 1,888,875; Nov. 22.
Fastening, Adjustable scythe blade. O. D. Brinser. 1,877,549; Sept. 13.
Fastening and connecting device. A. J. Weatherhead, jr. 1,849,604; Mar. 15.
Fastening, Belt. T. Gandin. 1,870,622; Aug. 9.
Fastening device. S. S. Adams. 1,861,652; June 7.
Fastening device. E. P. Anthony. 1,840,928; Jan. 12.
Fastening device. Buschbaum. 1,870,737; Aug. 9.
Fastening device. I. L. Faber. 1,854,125; Apr. 12.
Fastening device. R. L. Griffin. 1,888,591; Nov. 22.
Fastening device. J. S. Jackson. 1,876,237; Sept. 6.
Fastening device. S. Kielar. 1,851,633; Mar. 29.
Fastening device. L. H. Lee. 1,862,152; June 7.
Fastening device. L. H. Lee. 1,865,866; June 28.
Fastening device. L. H. Lee. 1,889,807; Dec. 6.
Fastening device. D. Marinsky. Re18,406; Apr. 5.
Fastening device. R. G. Mercer. 1,839,798; Jan. 5.
Fastening device. J. G. Noble. 1,861,354; May 31.
Fastening device. E. Poeter. 1,864,551; June 28.
Fastening device. B. Rubin. 1,868,178; July 19.
Fastening device. J. A. H. Siers. Re18,612; Oct. 4.
Fastening device. G. Sundback. 1,859,540; May 24.
Fastening device. S. O. Taylor. 1,859,808; May 24.
Fastening device. A. H. Tinnerman. 1,882,306; Oct. 11.
Fastening device. A. H. Trotter. 1,887,741; Nov. 15.
Fastening device. C. B. Wagner. 1,853,754; Apr. 12.
Fastening device. A. J. Weatherhead, jr. 1,890,348; Dec. 6.
Fastening device, Adjustable. N. Statham. 1,887,826; Nov. 15.
Fastening device, Automatic. W. F. Rust. 1,886,123; Nov. 1.
Fastening device, Flexible. N. Statham. 1,870,658; Aug. 9.
Fastening device for automobile hoods. L. G. Randall. 1,890,095; Dec. 13.
Fastening device for bags. H. Leberman. 1,878,413; Sept. 20.
Fastening device for bags. H. Leberman. 1,888,230; Nov. 22.
Fastening device for bag frames. A. Waechter. 1,882,101; Oct. 11.
Fastening device for chopper bowls. F. L. Wood and B. Townshend. 1,880,638; Oct. 4.
Fastening device for doors. J. H. Pineo. 1,850,602; Mar. 22.
Fastening device for pins. A. Hurewitz. 1,860,857; May 31.
Fastening device for wrist watch straps, bands, bracelets, and the like. C. H. Kesteman. 1,850,722; Mar. 22.
Fastening device, Hinged. A. B. Randall. 1,840,409; Jan. 12.
Fastening device, Hinged. A. B. Randall. 1,840,604; Jan. 12.
Fastening device, more especially for hoods. L. Marque. 1,883,804; Oct. 18.
Fastening device or clip. G. E. Black. 1,889,770; Dec. 6.
Fastening device, Separable. M. H. Stryke. 1,875,950; Sept. 6.
Fastening device, Slidable. J. A. H. Siers. 1,859,751; May 24.
Fastening devices, Method of and machine for making. B. Howe and E. Kunzelman. 1,844,092; Feb. 9.

Fastening element. P. W. Dillon, 1,846,709; Feb. 23.
Fastening for aircraft, Cover. J. P. Tarbox. 1,851,220; Mar. 29.
Fastening for belts and the like. J. C. Olsen. 1,887,361; Nov. 8.
Fastening for concrete pouring forms. S. S. Colt. 1,841,713; Jan. 19.
Fastening for wooden containers and making the same, Cover. R. G. Fessenden. 1,889,328; Nov. 29.
Fastening for wristlets, bangles, belts, and the like. L. Shapiro. 1,851,733; Mar. 29.
Fastening inserting and trimming machine. R. B. Woodcock. 1,859,421; May 24.
Fastening inserting machine. F. N. La Chapelle. 1,849,253; Mar. 15.
Fastening inserting machine. P. Cox and F. McPartland. 1,848,163; Mar. 8.
Fastening-inserting machine. F. C. Eastman. 1,847,300; Mar. 1.
Fastening inserting machine. F. C. Eastman. 1,847,525; Mar. 1.
Fastening inserting machine. R. H. Lawson. 1,854,310; Apr. 19.
Fastening inserting machine. F. L. Mackenzie. 1,839,238; Jan. 5.
Fastening installation. F. S. Carr. 1,873,869; Aug. 23.
Fastening machine, Wire sealing. C. D. Hatfield. 1,850,077; Mar. 22.
Fastening means. R. K. Lee. 1,872,471; Aug. 16.
Fastening means. E. A. Olley. 1,841,760; Jan. 19.
Fastening means, Adjustable. N. Statham. 1,887,825; Nov. 8.
Fastening means for bag frames. H. Leberman. 1,875,037; Aug. 30.
Fastening means for bags and the like. H. S. Stone. 1,864,956; June 28.
Fastening means for force cups. N. Becker. 1,852,071; Apr. 5.
Fastening means for shoe heels, Top lift. L. Benninghfeld. 1,872,648; Aug. 23.
Fastening means for wall and ceiling boards. C. H. Paulsen. 1,879,457; Sept. 27.
Fastening mechanism for car doors. E. F. Jaeger. 1,849,577; Apr. 5.
Fastening, Metal furniture. R. G. Galton. 1,870,173; Aug. 2.
Fastening or holding device. B. B. Hoppe. 1,883,604; Oct. 4.
Fastening, Retainer valve. K. F. Nystrom. 1,845,326; Feb. 16.
Fastening, Sliding clasp. V. Puc. 1,882,672; Oct. 18.
Fastening, Sprocket. A. Kindelmann and E. Boecking. 1,866,112; July 5.
Fastenings, Mechanism for supplying. B. Jorgensen. 1,847,248; Mar. 1.
Fat cleavage. H. Bertsch. 1,840,349; Jan. 12.
Fatliquoring. J. Sommerville. 1,883,042; Oct. 18.
Fats and oils, Purification of. W. Gensecke. 1,880,383; Oct. 4.
Fats and oils, Stabilizing. R. C. Newton and W. D. Richardson. 1,890,585; Dec. 13.
Fats at low temperature, Apparatus for extracting. A. Panski. 1,867,326; July 12.
Fatty emulsion. A. Guilhaudeu. 1,845,708; Feb. 16.
Faucet. J. F. Bentley. 1,856,458; May 3.
Faucet. F. G. Brotz. Des. 87,328; July 12.
Faucet. J. H. Edwards. 1,855,103; Apr. 19.
Faucet. Fred. 1,888,378; Nov. 22.
Faucet. L. J. Hengesbach. 1,848,172; Mar. 8.
Faucet. B. B. Maynard and F. L. de Sanno. 1,846,446; Feb. 23.
Faucet. C. D. Miller. Des. 86,851; Apr. 26.
Faucet. R. H. Mueller and C. B. Alber. 1,872,787; Aug. 23.
Faucet. J. Pollock. 1,884,207; Oct. 25.
Faucet. J. P. Robinson. 1,852,900; Apr. 5.
Faucet. J. Shoemaker. 1,886,058; Nov. 1.
Faucet. H. S. Steen. 1,852,682; Apr. 5.
Faucet. H. S. Steen. 1,856,664; May 3.
Faucet. E. P. Stein. 1,883,061; Oct. 18.
Faucet. A. Warner. 1,853,246; Apr. 12.
Faucet. E. G. Watrous. 1,876,810; Sept. 13.
Faucet and ball cock, Hydraulic control. L. A. Fischer. 1,853,451.
Faucet and drinking fountain, Combination. C. L. Maguire. 1,840,631; Jan. 12.
Faucet and drinking fountain, Combination. G. Trupiano. 1,875,283; Aug. 30.
Faucet and the like. J. Gamble. 1,887,677; Nov. 15.
Faucet attachment. N. B. Piersoll. 1,867,525; July 12.
Faucet, Automatic. C. F. Denckiau. 1,857,363; May 10
Faucet bar lock, Oil tank. R. W. Hyndman. 1,860,288; May 24.
Faucet closer for bath tubs, Automatic. H. Moeser. 1,883,102; Oct. 25.
Faucet, Combination. J. S. Judell. 1,841,737; Jan. 19.
Faucet, Combination water. A. Rosewood. 1,845,627; Feb. 16.
Faucet connecter for fire hose. F. L. Lester. 1,871,810; Aug. 16.
Faucet fixture, Hot and cold water wash sink and lavatory. L. W. Beebe. 1,848,456; Mar. 8.
Faucet, Liquid dispensing. J. F. Palmer. 1,880,271; Oct. 4.
Faucet, Measuring. S. Brody. 1,846,786; Feb. 23.
Faucet, Mixing. N. H. Henderson. 1,865,517; July 5.
Faucet, Mixing. O. Kuenzler. 1,840,961; Jan. 12.
Faucet, Oil fountain. W. R. Henion. 1,858,590; May 17.
Faucet, Receptacle actuated. I. W. Waterval. 1,885,647; Nov. 1.
Faucet Relief. C. F. Ulden, H. E. Schultheis, and L. M. Barringer. 1,846,699; Feb. 23.
Faucet, Water. S. Kersten. 1,854,796; Apr. 19.
Faucets, Detachable hot water unit for. S. S. Torrisi. 1,847,198; Mar. 1.
Fault responsive apparatus. E. Horowicz. 1,867,406; Jul. 12.
Featherweight pipe. F. N. Mariani. 1,881,793; Oct. 11.
Feed, Animal. C. C. Dawe. 1,867,063; July 12.
Feed apparatus. H. Love. 1,856,026; Apr. 26.
Feed apparatus, Minute. C. W. Sirch. 1,855,323; Apr. 26.
Feed apparatus, Powdery material. I. Sablik. 1,887,733; Nov. 15.
Feed collet. J. M. Luers. 1,842,036; Jan. 19.
Feed controlling apparatus. G. M. Nell. 1,845,805; Feb. 16.
Feed cutter. L. C. Soileau, jr. 1,875,514; Sept. 6.
Feed device. H. Huber. 1,860,033; May 24.
Feed device, Automatic. J. S. Hardiman. 1,882,578; Oct. 11.
Feed, Dog. W. F. Newhouse. 1,865,879; July 5.
Feeder for argillaceous materials. W. B. Fine. 1,892,583; Dec. 27.
Feed for chickens and other animals, Apparatus for the manufacture of. G. M. Chapin and H. H. Goff. 1,877,266; Sept. 13.
Feed for cigarette machines, Constant level tobacco. A. E. Wiener. 1,885,008; Nov. 1.
Feed for cigarette machines, Inclined. M. Patterson. 1,885,943; Nov. 1.
Feed for covers or ends for containers. G. Flook. 1,864,422; June 21.
Feed for fountain pens. W. K. Kerr. 1,892,578; Dec. 27.
Feed, Making enzymatized stock. E. M. Brown. 1,885,411; Nov. 1.
Feed for pipe galvanizing machine, Mechanical. J. W. Free. 1,893,324; July 26. 1.
Feed for resaw machines. E. McKuen. 1,875,633; Sept. 6.
Feed grinding mill. W. F. Reschke. 1,862,907; June 14.
Feed, Manufacture of highly digestible. R. R. Graves. 1,863,109; June 14.
Feed mechanism. R. B. Woodcock and T. A. Kestell. 1,884,949; Oct. 28.
Feed mechanism, Jump. F. J. Littell. 1,858,403; May 17.
Feed milling apparatus. R. Stresau. 1,840,749; Jan. 12.
Feed mixing apparatus. J. M. Flynn. 1,855,828; Apr. 26.
Feed, Preparing animal. G. M. Agee. 1,847,076; Mar. 1.
Feed water heater, Locomotive. F. H. C. Coppus. 1,842,961-2; Jan. 26.
Feed water regulator. C. H. Armstrong. 1,884,504; Oct. 25.
Feed water regulator. G. D. Bradshaw. 1,870,706; Aug. 9.
Feed water regulator. H. S. Fraser. 1,864,239; June 21.
Feed water regulator. V. V. Veenschoten. 1,859,544; May 24.
Feed water regulator. V. V. Veenschoten. 1,884,930; Oct. 25.
Feed wheel. A. J. Gurney. 1,871,516; Aug. 16.
Feeder. N. E. Bridgman. 1,878,814; Sept. 20.
Feeder. R. Niehaus. 1,843,459; Feb. 2.
Feeder. C. H. Willauer. 1,864,569; June 28.
Feeder. E. Yost and P. Stull. 1,858,421; May 17.
Feeder, Adjustable chick. D. B. Tolly. 1,855,781; Apr. 26.
Feeder and light control mechanism, Automatic chicken. R. R. Mariott. 1,887,770; Nov. 15.
Feeder, Animal. J. D. Holliday. 1,879,247; Sept. 27.
Feeder, Automatic. F. Gitzendanner. 1,862,676; June 14.
Feeder, Calf. R. E. Gardiner. 1,889,469; Nov. 29.
Feeder, Calf. N. D. Pittson. 1,891,575; Dec. 20.
Feeder, Chicken. G. F. Alwin. 1,882,353; Oct. 11.
Feeder, Chicken. J. F. Benoit. 1,891,042; Dec. 13.
Feeder, Chicken. E. W. Boyer. 1,859,728; May 24.
Feeder, Chicken. E. L. Forshee. 1,875,230; Aug. 30.
Feeder, Chicken. P. P. Hess. 1,862,983; June 21.
Feeder, Chicken. P. Kohl. 1,865,921; July 5.
Feeder, Chicken. R. L. Widney. 1,886,276; Nov. 1.
Feeder for chicks and older fowls. D. B. Tolley. 1,868,957; July 26.
Feeder for corn huskers, Automatic. C. B. Stewart. 1,866,605; July 12.
Feeder for cups and the like. J. J. Mojonnier. 1,849,148; Mar. 15.
Feeder for dry chemicals. W. Le V. Zeigler. 1,868,404; July 19.
Feeder for farm stock. G. M. Steel. 1,874,137; Aug. 30.
Feeder for fibrous materials, Voluminal. W. F. Bokum and J. H. Senior. 1,854,099; Apr. 12.
Feeder for hully cotton. J. A. Streun. 1,868,030; July 19.
Feeder for ingot molds. B. H. Howard. 1,863,559; June 21.

Feeder for pneumatic conveyers, Rotary. W. Thaler. 1,875,677; Sept. 6.
Feeder for pulverized materials. R. S. Moore. 1,882,861; Oct. 18.
Feeder for woodworking machines. W. D. Johnson and W. L. Hartnell. 1,869,593; Aug. 2.
Feeder, Hog. G. W. and M. McCollough. 1,881,820; Oct. 11.
Feeder, Hog. G. W. Smidley. 1,844,610; Feb. 9.
Feeder or similar article, Bird. L. A. Diller. Des. 86,014; Jan. 19.
Feeder, portable dry and liquid. C. A. Schacht. 1,855,314; Apr. 26.
Feeder, Poultry. F. Clutter. 1,849,908; Mar. 15.
Feeder, Poultry. D. L. German. 1,890,778; Dec. 13.
Feeder, Poultry. A. R. Hoeft. 1,881,023; Oct. 4.
Feeder, Poultry. E. E. McGrew. 1,871,894; Aug. 16.
Feeder, Poultry. C. W. Nikkelsen. 1,851,958; Mar. 10.
Feeder, Poultry. F. W. Perry. 1,862,349; June 7.
Feeder, Poultry. A. V. Ruppreeht. 1,886,593; Nov. 8.
Feeder, Poultry. E. E. Specht. 1,851,780; Mar. 29.
Feeder, Poultry. W. Uhlir. 1,878,555; Sept. 20.
Feeder, Reagent. T. A. Evans. 1,887,347; Nov. 8.
Feeder, Rodent. C. F. Lane. 1,890,891; Dec. 6.
Feeder, Sanitary chicken. J. F. Bantz and R. Smith. 1,874,418; Aug. 30.
Feeder tub. J. F. Martin. 1,878,957; Sept. 20.
Feeders, Control mechanism for glass. A. M. Algeo and J. W. Ross. 1,884,967; Oct. 25.
Feeding and cutting device, Positive. E. A. Capocefalo. 1,891,524; Dec. 20.
Feeding and spacing mechanism. A. E. Milbrath. 1,877,934; Sept. 20.
Feeding apparatus. J. L. Alden. 1,847,161; Mar. 1.
Feeding apparatus. A. W. Kegler. 1,846,396; Feb. 23.
Feeding apparatus. A. Matschke. 1,859,372; May 24.
Feeding apparatus. A. Winkler and M. Dunnebier. 1,877,107; Sept. 13.
Feeding appliance for bread slicing machines. O. F. Rother. 1,867,378; July 12.
Feeding arrangement for electric devices. S. Thomas and M. T. Robert. 1,843,525; Feb. 2.
Feeding cows during milking. H. E. Beckman. 1,845,072; Feb. 16.
Feeding device. A. H. Blohm. 1,845,476; Feb. 16.
Feeding device. J. H. Fulmer. 1,891,307; Dec. 20.
Feeding device. L. L. Isselhardt. 1,869,750; Aug. 2.
Feeding device. A. S. Liss. 1,871,414; Aug. 9.
Feeding device. E. W. Menke. 1,842,752; Jan. 26.
Feeding device. W. A. Smith, sr. 1,852,592; Apr. 5.
Feeding device. W. A. Smith, sr. 1,867,929; July 19.
Feeding device. W. D. Van Dyke. 1,855,040; Apr. 26.
Feeding device. H. Weber. 1,876,370; Sept. 6.
Feeding device, Animal. W. Hodkinson. 1,878,518; Sept. 20.
Feeding device, Animal. J. E. Le Fever. 1,869,901; Aug. 2.
Feeding device, Automatic. S. C. Lucas. 1,886,033; Nov. 1.
Feeding device, Bird or animal. E. A. Sanguinet. 1,845,724; Feb. 16.
Feeding device for glass articles. R. Hagiwara. 1,862,351; June 7.
Feeding device for percussive motors. W. A. Smith, jr. 1,870,389; Aug. 9.
Feeding device for rock drills. C. C. Hansen. 1,858,774; May 17.
Feeding device for rock drills. W. A. Smith, sr., and W. A. Smith, jr. 1,868,204; July 19.
Feeding device for stuffing machines. S. Halvorsen. 1,855,434; Nov. 1.
Feeding device for the boilers of locomotives. L. Friedmann and H. Deutsch. 1,869,473; Aug. 2.
Feeding device for woodworking machines and the like. W. L. Hartnell. 1,869,592; Aug. 2.
Feeding device, Intermittently acting. G. Hoppe. 1,850,785; Dec. 6.
Feeding device, Poultry. J. O. Arduser and A. Jenkins. 1,840,615; Jan. 12.
Feeding device, Poultry. D. L. Crabtree. 1,859,582; May 24.
Feeding device, Poultry. R. P. Kielsmeier. 1,877,890; Sept. 20.
Feeding mechanism. F. O. Andrews and L. Steinfurth. 1,865,293; June 28.
Feeding mechanism. H. J. and J. B. Brubaker. 1,876,847; Sept. 13.
Feeding mechanism. C. A. Cobb. 1,849,568; Mar. 15.
Feeding mechanism. R. C. Dandy. 1,878,820; Sept. 20.
Feeding mechanism. M. O. Jones and W. P. Shomaker. 1,855,132; Apr. 19.
Feeding mechanism. A. Latham. 1,845,051; Feb. 16.
Feeding mechanism. C. L. Rost. 1,854,221; Apr. 19.
Feeding mechanism. A. R. Ridderstrom. 1,848,841; Mar. 8.
Feeding mechanism, Match-strip. M. Paridon. 1,886,495; Nov. 8.
Feeding system. P. S. Carter. 1,850,980; Mar. 22.
Feeds, Apparatus for the manufacture of prepared. E. H. Frickey. 1,861,471; June 7.
Feeds, Manufacture of live stock. C. R. Mabee. 1,884,779; Oct. 25.
Feeler for looms. H. W. Thatcher. 1,854,963; Apr. 19.
Feeler gauge. F. Buck. 1,888,069; Nov. 15.
Feldspathic flux for porcelain, Preparation of. C. L. Peddrick, jr., and P. W. Lewis. 1,855,115; Apr. 19.
Felt. P. W. Codwise. 1,857,432–3; May 10.
Felt cleaning apparatus. E. H. Lansing. 1,846,646; Feb. 23.
Felt cleaning apparatus. E. H. Lansing. 1,853,064; Apr. 12.
Felt component and making same. P. Drewsen. 1,850,791; Mar. 22.
Felt conditioner or the like, Hydraulic. J. L. Harris. 1,859,508; May 24.
Felting machine. H. M. Zoerb and R. W. Buettner. 1,870,940; Aug. 9.
Felting, more particularly for insulation blocks. F. C. Russell. 1,841,078; Jan. 19.
Fence. W. K. Morrison. 1,860,686; May 31.
Fence, Board. T. H. Symington. 1,890,630–1; Dec. 13.
Fence construction. F. J. Spath. 1,850,779; Mar. 22.
Fence, Highway. E. K. Cole. 1,857,435; May 10.
Fence, Highway guard. A. B. Dowell. 1,848,246; Mar. 8.
Fence, Highway guard. A. J. Stanziale. 1,877,074; Sept. 13.
Fence, Highway guard. R. L. Stockard. 1,847,025; Feb. 23.
Fence, Highway guard. R. G. Williams. 1,864,159–60; June 21.
Fence machine, Slat. J. W. Denning. 1,842,013; Jan. 19.
Fence making machine. N. S. Harter. 1,868,063; July 19.
Fence, Ornamental. J. M. Haverstick. 1,859,509; May 24.
Fence, Ornamental portable. G. Beauchamp. Des. 86,991; May 24.
Fence, Plank or rail. T. H. Symington. 1,890,629; Dec. 13.
Fence post. M. H. Airton. 1,879,725; Sept. 27.
Fence post. F. Czemba. 1,859,695; May 24.
Fence post. H. C. Dreibuss and P. J. McCullough. 1,865,176; June 28.
Fence post. N. A. Ochiltree. 1,855,136; Apr. 19.
Fence post. W. G. Williams. 1,868,557; July 26.
Fence post. H. W. Wilson. 1,859,688; May 24.
Fence post lifter. C. A. Spaugh. 1,844,809; Feb. 9.
Fence posts, Topping arms for. M. Skinner. 1,839,898; Jan. 5.
Fence rail connection. W. S. Rich. 1,840,278; Jan. 5.
Fence supporting device. D. T. Finkbeiner. 1,867,816; July 19.
Fence weaving machine. H. I. Mattson. 1,846,685; Feb. 23.
Fence, Wire. A. E. Roos. 1,874,121; Aug. 30.
Fences, Coloring woven wire. C. A. Kellogg and G. N. Williams. 1,871,181; Aug. 9.
Fencing. R. Seidel. 1,849,410; Mar. 15.
Fenchone, Producing. I. W. Humphrey. 1,850,983; Mar. 22.
Fenchone, Producing. I. W. Humphrey. 1,876,454; Sept. 6.
Fender. J. R. Hughes. 1,855,761; Apr. 26.
Fender adjusting means. C. Pflum and N. Guerin. 1,860,200; May 24.
Fender and head lamp, Combined automobile. A. J. Baker. Des. 88,064; Oct. 11.
Fender and hood construction for motor vehicles. I. Ornberg. 1,862,388; June 7.
Fender and running board, Motor vehicle. P. Fox. 1,863,475; June 14.
Fender and tire holder, Combined. W. T. Guth. Des. 86,166; Feb. 9.
Fender, Automatic adjuster cultivator. H. Heineken. 1,844,654; Feb. 9.
Fender, Boat. D. E. Reynon. 1,877,793; Sept. 20.
Fender for agricultural implements. J. M. Bowman. 1,854,174; Apr. 19.
Fender for vehicles, Pick-up. W. D. Young. 1,855,875; Apr. 26.
Fender, Motor vehicle. W. T. Guth. Des. 86,165; Feb. 9.
Fender, Safety. A. Urbach. 1,859,186; May 17.
Fender, Ship's. M. Hill. 1,852,240; Apr. 5.
Fender, Ship's. C. T. Lyons. Re18,672; Nov. 29.
Fender, Wheel. G. J. Rice. 1,876,470; Sept. 6.
Fermentation of cellulosic material. L. M. Christensen. 1,857,429; May 10.
Fermentation of cellulosic materials. H. Langwell and E. Ricard. 1,864,538; June 28.
Fermentation of cellulosic materials. H. Langwell and W. A. Burton. 1,864,839; June 28.
Fermentation, Promotion of. W. L. Owen and E. W. Herr. 1,881,093; Oct. 4.
Ferric sulphate, Making soluble. H. S. Marsh and C. W. Weesner. 1,880,265; Oct. 4.
Ferrix oxides, Producing. W. Gluud and K. Keller. 1,872,929; Aug. 23.
Ferris wheel, Portable. J. Baer. 1,867,996; July 19.
Ferrochrome and other similar alloys, Producing. K. M. Simpson. 1,885,380; Nov. 1.
Ferrophosphorus, Conversion of. N. C. Lindberg. 1,888,905; Nov. 15.
Ferrophosphorus, Conversion of. W. H. Woodstock and G. A. McDonald. 1,848,813; Mar. 8.
Ferrophosphorus low in or practically free from silicon, Production of. M. Neumark, H. Weidmann, and G. Roesner. 1,882,517; Oct. 11.

Ferrous articles, Manufacture of. G. A. Reinhardt and R. H. Eurich. 1,878,539; Sept. 20.
Ferrule. J. E. White. 1,872,540; Aug. 16.
Ferrule, Fishing rod. W. F. Grossenbach. 1,871,985; Aug. 16.
Ferrule for connecting branch pipe, Main. R. McAndrew. 1,861,314; May 31.
Ferrule for tubes. L. Ramsthaler. 1,863,069; June 14.
Ferrule, Sash cord. R. E. Hamilton. 1,862,306; June 7.
Fertilization. A. J. Mason. 1,842,876; Jan. 26.
Fertilizer. R. Griessbach and H. Weiss. 1,889,054; Nov. 29.
Fertilizer, J. T. Travers and O. M. Urbain. 1,889,712; Nov. 29.
Fertilizer and lime spreader. L. D. Pender. 1,840,602; Jan. 12.
Fertilizer applier, Hand. R. S. Bergen. 1,874,425; Aug. 30.
Fertilizer, Automatic. G. C. Karshner. 1,871,529; Aug. 16.
Fertilizer composition. E. F. Grether. 1,883,718; Oct. 18.
Fertilizer consisting of ammonium bicarbonate and ammonium sulphate, Production of a mixed. A. Meier. 1,870,131; Aug. 2.
Fertilizer disseminating device. F. H. Bateman. 1,847,327; Mar. 1.
Fertilizer distributor. H. Hubbard. 1,878,853; Sept. 20.
Fertilizer distributor. A. A. Hyland. 1,856,417; May 3.
Fertilizer distributor. C. C. May and V. H. Whitteu. 1,891,565; Dec. 20.
Fertilizer distributor. J. A. McKay and P. H. Lynch. 1,878,960; Sept. 20.
Fertilizer distributor. F. Raisbeck. 1,877,966; Sept. 20.
Fertilizer distributor. J. F. Ravencroft. 1,868,025; July 19.
Fertilizer distributor. W. F. Schakel and A. C. Waterman. 1,874,982; Sept. 20.
Fertilizer ingredient, Preparation of a. C. H. MacDowell. 1,889,125; Nov. 29.
Fertilizer, Making phosphate silicate. L. Kern. 1,855,190; Apr. 26.
Fertilizer manufacture. E. R. Boller. 1,849,703–4; Mar. 15.
Fertilizer manufacture. C. L. Burdick. 1,854,291; Apr. 19.
Fertilizer manufacture. H. C. Moore. 1,849,987; Mar. 15.
Fertilizer ingredient. H. Svanoe. 1,849,508; Mar. 15.
Fertilizer, Manufacturing. H. L. Hartenstein. 1,888,891–2; Nov. 22.
Fertilizer, Manufacturing mixed. B. Ober and E. H. Wight. 1,867,866; July 19.
Fertilizer material and manufacturing the same. G. P. Walker and W. F. Gardiner. 1,858,230; May 10.
Fertilizer, Mixed. C. Eyer and F. Korn. 1,868,890; July 26.
Fertilizer, Mixed. E. Keyssner and H. Mengdehl. 1,857,914; May 10.
Fertilizer mixtures, Preparing. H. C. Moore. 1,849,988; Mar. 15.
Fertilizer, Preparation of. W. H. Waggaman. 1,880,544; Oct. 4.
Fertilizer, Preparation of a non-hygroscopic mixed. H. Heimann. 1,873,401; Aug. 23.
Fertilizer, Preparing phosphatic. D. L. Anderson. 1,893,955; Aug. 2.
Fertilizer, Production of phosphatic. B. Ober and E. H. Wight. 1,871,195; Aug. 9.
Fertilizer-sowing machine. G. V. Fearn. 1,888,821; Nov. 22.
Fertilizer sprinkler. D. Boag. 1,873,992; Aug. 30.
Fertilizer with water for irrigation, Device for mixing. W. C. Seifridge. 1,864,947; June 28.
Fertilizers and the utilization of nitrogen-bearing solutions, Manufacture of nitrogenous. E. H. Richards and H. B. Mutchler. 1,818,587; Aug. 20.
Fertilizers from feces and the like, Making. R. Fluck and A. Theil. 1,890,459; Dec. 13.
Fertilizers, Making. F. Rothe and H. Brenek. 1,842,843; Jan. 26.
Fertilizers, Manufacture of mixed. H. C. Moore. 1,849,989; Mar. 15.
Fertilizers, Manufacturing. E. Johnson. 1,859,738; May 24.
Fertilizers, Manufacturing concentrated. E. Johnson. 1,876,501; Sept. 6.
Fertilizers, Manufacturing mixed. H. Heimann. 1,869,688; Aug. 2.
Fertilizers, Manufacturing phosphatic. B. Ober and E. H. Wight. 1,879,435; Sept. 27.
Fertilizers, Obtaining. F. Rothe and H. Brenek. 1,819,955; Aug. 25.
Fertilizers, Preparing. W. Eggert, jr. 1,845,018; Feb. 16.
Fertilizers, Producing ballast-free solid. C. Eyer, F. Frowein, and F. Korn. 1,857,296; May 10.
Fertilizers, Production of. C. J. Hansen. 1,855,856; Apr. 26.
Fertilizing agents to soil, Supplying soluble. E. L. and J. A. Prizer. 1,868,913; July 26.
Fertilizing material, Producing. H. R. Bates. 1,872,024; Aug. 16.
Festooning apparatus. L. S. Rosener. 1,876,761; Sept. 13.
Fiber derivative. T. B. Munroe and F. A. Irvine. 1,881,419; Oct. 4.

Fiber liberation. A. E. Millington. 1,857,317; May 10.
Fiber liberation, Acid process of. G. A. Richter. 1,880,042; Sept. 27.
Fiber liberation, Alkaline. G. A. Richter. 1,880,044; Sept. 27.
Fiber liberation, Cyclic process of. G. A. Richter. 1,864,619; June 28.
Fiber liberation, Multiple step process of. G. A. Richter. 1,841,551; Jan. 19.
Fiber or pulp, Producing. H. S. Hooper. 1,887,241; Nov. 8.
Fiber, Preparation and preservative of. T. B. Munroe and E. C. Lathrop. 1,854,557; Apr. 19.
Fiber product and making same. W. A. Darrah. 1,856,946; May 3.
Fiber product and making same. M. O. Schur. 1,847,269; Mar. 1.
Fiber product, Fireproof. R. B. Brown. 1,860,134; May 24.
Fiber product preservation. E. C. Lathrop and F. A. Irvine. 1,880,965; Oct. 4.
Fiber product, Rot proof. D. M. Sutherland, jr. 1,884,367; Oct. 25.
Fiber products, Protective treatment of. T. B. Munroe and E. C. Lathrop. 1,880,971; Oct. 4.
Fiber products, Treatment of. T. B. Munroe and E. C. Lathrop. 1,880,972; Oct. 4.
Fiber-rubber material, Making. R. P. Rose and A. F. Owen. 1,843,581; Feb. 2.
Fiber webs and wet-machine therefor, Making. R. E. Brawn. 1,864,580; June 28.
Fibers for paper-making and other uses, Treating. L. A. Dils. 1,846,093; Feb. 23.
Fibers for paper making and other uses, Treating. L. A. Dils. 1,868,569; July 26.
Fibers, Manufacture of artificial. F. Ferrand. 1,856,071; May 3.
Fibers, Manufacture of artificial. H. Fink and P. Esselmann. 1,876,890; Sept. 13.
Fibers out of a vessel, Clearing. W. zur Löwen. 1,872,548; Aug. 16.
Fibers, Preparing vulcanized. E. Becker. 1,879,031; Sept. 27.
Fibers, Retting. C. S. Hollander and P. H. Del Plaine. 1,842,024; Jan. 19.
Fibers wound on permeable spools, Treatment with liquid of. R. Hofstadt and W. Eller. 1,850,107; Mar. 22.
Fibrous articles, Manufacture of. D. F. Smith, E. J. Fleger, and C. C. Dill. 1,873,056; Aug. 23.
Fibrous composition, Felted. E. P. Stevenson and H. A. Buron. 1,878,300; Sept. 20.
Fibrous material and making same. J. A. De Cew. 1,852,212; Oct. 5.
Fibrous material and making same. M. Hartmann. 1,875,452; Sept. 6.
Fibrous material and treating same. M. C. Teague and N. H. Brewster. 1,845,569; Feb. 16.
Fibrous material, Making layers of distended. F. L. Bryant. 1,879,279; Aug. 9.
Fibrous materials, Process and apparatus for digesting. T. L. Dunbar. 1,859,384; May 24.
Fibrous material, Process of and apparatus for treating. F. Meyer. 1,886,020; Nov. 1.
Fibrous materials, Continuous bleaching of. E. Ekeberg. 1,887,587; Nov. 15.
Fibrous product and making the same. M. H. Klefoth. 1,875,018; Aug. 30.
Fibrous product and making the same, Waterproof and fireproof. W. B. Piggott. 1,860,097; May 24.
Fibrous product and method of and apparatus for producing the same, Sized. G. F. Davis. 1,889,642; Nov. 29.
Fibrous product, Waterproof. H. L. Levin. 1,884,761; Oct. 25.
Fibrous product, Waterproofed. G. J. Manson. 1,884,038; Oct. 25.
Fibrous sheet material, composition therefor and process of making. G. F. Davis. 1,889,643; Nov. 29.
Field conditioning machine. C. D. Smith. 1,880,113; Sept. 27.
Fifth wheel. L. E. Lubbers. 1,867,670; July 19.
Figure for demonstrating garments, Lay. E. T. Winget. 1,850,366; Mar. 22.
Figure toy. L. S. Hankins. 1,846,393; Feb. 23.
Figure toy. L. Marx. Des. 87,969–70; Oct. 18.
Figure toy. E. S. Savage and C. F. Friedrich. Des. 87,856; Sept. 27.
Figure with adjustable limbs, Jointed. A. O. Deichmann. 1,868,049; July 19.
Figurette. N. Paganello. 1,884,982; Oct. 25.
Figurette. E. Pfeiffer. Des. 87,592; Aug. 16.
Figurine. M. F. Venago. Des. 86,291; Feb. 16.
Filament feeding apparatus. R. Kunath. 1,854,943; Apr. 19.
Filament for incandescent electric lamps. J. W. Ekstedt. 1,856,243; May 3.
Filament support. R. M. Heintz. 1,861,794; June 7.
Filaments and product thereof, Making artificial. C. Dreyfus and W. Whitehead. 1,883,347; Oct. 18.
Filaments and threads, Process and device for the direct production of. E. A. Murphy and D. F. Twiss. 1,889,102; Nov. 29.
Filaments, Apparatus for forming. H. Taylor. 1,883,423; Oct. 18.

Filaments, Drying of artificial. R. Eissner. 1,867,619; July 19.
Filaments, Energizing. A. Nyman and G. V. Peck. 1,870,960; Aug. 9.
Filaments, Manufacturing noninductive helical. W. L. Parrott. 1,865,442; July 5.
Filaments of artificial silk by the stretch spinning process, Apparatus for the production of strong. H. Kempf. 1,871,704; Aug. 16.
Filaments, Process and apparatus for the manufacture of artificial. E. Prince. 1,856,404; May 3.
Filaments, Producing uniform length of. S. Wadsten and C. W. Hunt. 1,865,490; July 5.
Filaments, Treating textile. W. Whitehead. 1,852,891; Apr. 5.
Filaments, Treatment of artificial. J. L. Bitter and R. Eissner. 1,867,610; July 19.
File. J. Beck. 1,883,704; Oct. 18.
File. A. Peiseler. 1,884,185; Oct. 25.
File, Card. R. Bätke. 1,852,872; Apr. 5.
File, Card. W. Grosjean. J. J. Wood. 1,857,229; May 10.
File cutting machine. H. G. Smith. 1,877,071; Sept. 13.
File, Expanding letter. F. L. G. Straubel. 1,839,902; Jan. 5.
File guide. H. Forsyth. 1,874,950; Aug. 30.
File handle. V. L. Stoddard. 1,858,380; May 17.
File index device. J. M. Hurley. 1,885,554; Nov. 1.
File, Indexed correspondence. Le R. E. Hutchings. 1,866,353; July 5.
File, Pamphlet loose leaf. H. R. McCleary. 1,843,608; Feb. 2.
File, Paper. A. A. Ainsworth. 1,862,450; June 7.
File, Paper. V. Grosjean. 1,848,779; Mar. 8.
File, Paper. L. E. Hutchings. 1,851,581; Mar. 29.
File, Paper transfer. J. Colon. 1,858,216; May 10.
File, Rod. A. Bilgeri. 1,883,647; Oct. 18.
Filing device. J. B. Brown. 1,887,539; Nov. 15.
Filing device. H. H. Dixon. 1,859,696; May 24.
Filing device. G. E. Dowdy. 1,842,017; Jan. 19.
Filing device. F. J. Kline. 1,867,158–9; July 12.
Filing device. F. J. Kline. 1,869,972; Aug. 2.
Filing device. B. G. Rand. 1,851,595; Mar. 29.
Filing device. J. C. Risker. 1,855,870; Apr. 26.
Filing device. F. L. G. Straubel. 1,882,457; Oct. 11.
Filing device, Card record. R. E. Sommer. 1,855,260; Apr. 26.
Filing device for phonograph disks. J. P. A. Roussel. 1,885,481; Nov. 1.
Filing device, Vertical. V. F. Castleman and O. J. Putting. 1,857,838; May 10.
Filing leaf and label-holder therefor. T. R. Carlson and V. A. Gronlieg. 1,887,800; Nov. 15.
Filing machine. W. Anderson. 1,891,742; Dec. 20.
Filing system. J. H. Kepiar. 1,845,878; Feb. 16.
Filler. E. B. Mallinckrodt. 1,881,784; Oct. 11.
Filler and primer and making the same, Combine. G. A. Horton. 1,872,455; Aug. 16.
Filler and producing same, Coated. J. B. Green. 1,839,961; Jan. 5.
Filler and reenforced pigment for plastics and making the same. R. R. McClure and J. W. Church. 1,843,576; Feb. 2.
Filler, Automatic. R. Barros. 1,891,038; Dec. 13.
Filler, Automatic bee-comb. D. E. Lhommedieu. 1,885,020; Oct. 25.
Filler cap. C. E. Turner. 1,865,489; July 5.
Filler device. H. D. Geyer. 1,865,465; July 5.
Filler, Film socket. L. M. Cole. 1,885,684; Nov. 1.
Filler for eggs and the like. L. Benoit. 1,874,162; Aug. 30.
Filler for projectiles. H. J. Nichols. 1,848,193; Mar. 8.
Filler for tires. E. E. Redden. 1,842,799; Jan. 26.
Filler, Grease gun. J. L. Beaton. 1,877,381; Sept. 13.
Filler inserting machine. M. G. Bliss. 1,866,745; July 12.
Filler mechanism for tubes and the like. F. J. Stokes. 1,887,091; July 19.
Filler neck structure. C. A. Zarobsky. 1,875,908; Sept. 6.
Filler pad. R. W. Burrows. 1,866,617; July 12.
Filler, Roadway crack and joint. E. E. Wilmeth. 1,880,625; Oct. 4.
Filler strip for floors and other constructions. C. L. Snyder. 1,860,954; Dec. 13.
Filleting machine. J. J. Barry. 1,845,645; Feb. 16.
Filling and capping machine for containers. C. Barbieri. 1,880,060; Oct. 4.
Filling and charging device. A. M. Wickwire, jr. 1,875,902; Sept. 6.
Filling and weighing machine. C. F. Richard. 1,883,233; Oct. 18.
Filling apparatus for powdered or granular material. H. Rimber. 1,858,032; May 10.
Filling attachment for liquid lubricant containers. J. F. Culp. 1,842,897; Jan. 26.
Filling device. L. H. Lanier. 1,889,036; Nov. 29.
Filling device. J. D. McCabe. 1,882,668; Oct. 18.
Filling device for battery cells. J. L. Woodbridge. 1,878,223; Sept. 20.
Filling machine. G. J. Meyer. 1,882,225; Oct. 11.
Filling machine. G. W. Mudd. 1,868,244; July 19.
Filling machine. W. H. Taylor. 1,850,425; Mar. 22.
Filling station apparatus. A. H. Kling. 1,862,311; June 7.
Film advancing appliance. H. Küchenmeister. 1,852,419; Apr. 5.
Film and making same, Sound. H. E. Chipman. 1,883,559; Oct. 18.
Film and making same, Sound and picture. W. D. Marshall. 1,840,499; Jan. 12.
Film and making same, Visibly marked motion picture. R. N. Titus. 1,861,827; June 7.
Film and making the same, Sound. H. E. and H. H. Chipman. 1,883,562; Oct. 18.
Film and plate hanger. C. Bornmann. 1,858,576; May 17.
Film and preparing same, Motion picture and sound. A. F. Sulzer. 1,849,320; Mar. 15.
Film and product thereof, Treating photographic. K. C. D. Hickman. 1,852,014; Oct. 25.
Film, Apparatus for applying reinforcing to. C. H. Meeker. 1,872,317; Aug. 16.
Film, Apparatus for making talking motion picture. H. E. Chipman. 1,841,595; Jan. 19.
Film, Applying reenforcing to. C. H. Meeker. 1,872,316; Aug. 16.
Film cartridge. K. Weindl. 1,840,143; Jan. 5.
Film cleaner, Motion picture. J. G. Gramsa. 1,857,633; May 10.
Film clip. R. C. Mercer. 1,839,407; Jan. 5.
Film, Color backed motion picture. J. B. Wells. 1,870,662; Aug. 9.
Film control and guiding device for motion picture projectors. H. W. Rogers. 1,860,330; May 24.
Film controlling mechanism. S. Ulma. 1,869,527; Aug. 2.
Film counter for cinematographic view taking apparatus. A. N. Meyle. 1,858,792; May 17.
Film developing and drying apparatus. J. L. Aller and P. Higginson. 1,846,075; Feb. 23.
Film developing and progressing machine. G. M. Dye. 1,853,689; June 12.
Film developing machine. M. E. Long. 1,840,238; Jan. 5.
Film developing process and apparatus therefor. Le R. C. Deridge and A. R. Reeves. 1,843,317; Feb. 2.
Film developing system. J. T. Barkelew. 1,890,026; Dec. 6.
Film developing system. J. T. Barkelew. 1,890,490; Dec. 13.
Film developing system. T. M. Ingman, F. E. Garbutt, and J. T. Barkelew. 1,881,614; Oct. 11.
Film-developing tank. M. F. Murphy and C. B. Metheny. 1,866,521; July 5.
Film, Device for reproducing the sounds recorded on a talking cinematographic. A. M. B. Charlin and P. M. G. Toulon. 1,885,989; Nov. 1.
Film drier. G. W. Hopkins. 1,888,596; Nov. 22.
Film drier, Photographic. A. W. Buck. 1,888,947; Nov. 22.
Film, Drive. L. T. Robinson. 1,880,106; Sept. 27.
Film editing system. E. J. Mallina. 1,865,028; June 28.
Film feed mechanism, Automatic. W. A. Kosken. 1,888,680; Nov. 22.
Film feed mechanism, Cinematographic. W. Vinten. 1,891,585; Dec. 20.
Film feeding means for motion picture projectors. A. Sandler. 1,855,772; Apr. 26.
Film feeding mechanism. E. S. Mechau. 1,873,778; Aug. 23.
Film feeding mechanism for cinema or like apparatus. F. Seufert. 1,847,312; Mar. 1.
Film for acoustic devices, Vibrating. F. L. Desbrière. 1,856,749; May 3.
Film for cinematographic purposes, Three color. A. Pliny. 1,874,615; Aug. 30.
Film for color cinematography. R. Berthon. 1,843,595; Feb. 2.
Film for sound and picture purposes, Photographic. O. Sandvik. 1,850,481; Oct. 4.
Film for sound and picture records. K. C. D. Hickman. 1,849,231; Mar. 15.
Film gate. A. Dina. 1,884,604; Oct. 25.
Film gate. C. McCulloch and T. R. Goldsborough. 1,873,448; Aug. 23.
Film gate. W. A. Schulz. 1,872,353; Aug. 16.
Film gate for motion picture machines. C. L. Heisler. 1,862,364; June 7.
Film gate lock. A. Kindelmann and E. Boecking. 1,884,729; Oct. 25.
Film goffering machine. R. Berthon. 1,844,418; Feb. 9.
Film guide for motion picture projection machines, Resilient. A. Dina. 1,884,609; Oct. 25.
Film guide for photographic cameras. O. Steiner. 1,864,100; June 21.
Film guide roller. J. Tschopp. 1,854,004; Apr. 12.
Film guiding mechanism. W. L. Wright. 1,889,084; Nov. 29.
Film guiding mechanism for sound recording and reproducing apparatus. F. H. Owens. 1,884,168; Oct. 25.
Film handling mechanism. W. L. Wright. 1,890,172; Dec. 6.
Film hanger. F. A. Depperman. 1,859,131; May 17.
Film hanger. G. D. Pappajion. 1,877,036; Sept. 13.
Film holder for cameras. C. Bornmann. 1,883,511; Oct. 18.
Film holding strap. O. Wittel. 1,857,523; May 10.
Film in cinematograph, Device for the automatic stop of the. M. Conade. 1,889,483; Nov. 29.
Film in cinematographic apparatus, Device for reducing the tension of the. E. Oehmichen. 1,873,463; Aug. 23.

Film inspection device. G. S. Warren. 1,866,587; July 12.
Film, Lubricating photographic. K. C. D. Hickman. 1,883,914; Oct. 25.
Film magazine for motion picture cameras. F. H. Owens. 1,865,272; June 28.
Film manufacture. C. L. A. Wynd and W. H. Groth. 1,880,647; Oct. 4.
Film marking apparatus. C. A. Hoxie. 1,859,091; May 17.
Film measuring control. E. C. Fritts. 1,849,227; Mar. 15.
Film, Method and apparatus for perforating motion picture. T. G. Jones. 1,866,711; July 12.
Film, Motion picture. D. Bensel. 1,842,240; Jan. 19.
Film, Motion picture. W. J. Conkle. 1,849,909; Mar. 15.
Film, Motion picture. W. L. Wright. 1,857,578; May 10.
Film, Motion picture and sound. J. G. Jones. 1,844,715; Feb. 9.
Film movement. G. A. Mitchell. 1,849,880; Mar. 15.
Film movement. G. A. Mitchell. 1,850,411; Mar. 22.
Film movement. G. A. Mitchell. 1,851,400; Mar. 29.
Film, Multicolor screen. J. E. Thornton. 1,873,673; Aug. 23.
Film, Noninflammable photographic. L. Weston. 1,877,212; Sept. 13.
Film of rubber on tin grain surface of vegetable tanned leather, Producing an adherent. B. Mead. 1,848,135; Mar. 8.
Film or laminæ for use in cinematography, Metal. C. Semenitz. 1,854,864; Apr. 19.
Film pack. C. E. Rose. 1,846,759; Feb. 23.
Film pack. D. L. Wood. 1,857,524; May 10.
Film pack casing. R. Klaus. 1,871,217; Aug. 9.
Film-pack casing, Photographic. M. Schmidt and P. Hanke. 1,890,852; May 31.
Film pass. M. H. Page. 1,892,218; Dec. 27.
Film phonograph. J. A. Maurer. 1,891,387; Dec. 20.
Film, Photographic. J. Buhoiser. 1,854,102; Apr. 12.
Film, Photographic. W. V. D. Kelley. 1,879,806; Sept. 27.
Film, Photographic. W. G. Stuber. 1,846,230; Feb. 23.
Film positioning device for aerial cameras. A. Briechle. 1,870,091; Aug. 2.
Film positives, Producing cinematograph. J. E. Thornton. 1,873,674; Aug. 23.
Film positives, Production of cinematographic. J. E. Thornton. 1,879,775; Sept. 27.
Film printing machine. A. Flint, A. Zimmermann, and J. G. Leo. 1,857,527; Apr. 26.
Film printing machine. A. Flint, A. Zimmerman, and J. G. Leo. 1,864,238; June 21.
Film propulsion, Mechanism of. C. Aschenbrenner. 1,879,866; Sept. 27.
Film race for cameras. H. G. Cunningham. 1,866,014; July 5.
Film records, Apparatus for reproducing sound. F. H. Palser. 1,849,636; Mar. 15.
Film records, Titling sound. F. H. Owens. 1,866,268; July 5.
Film reel. A. S. Howell. 1,888,725; Nov. 22.
Film reel, Fireproof closable. J. E. Wheatley. 1,840,647; Jan. 12.
Film reel, Motion picture. O. A. Ross. 1,840,822; Jan. 12.
Film reel, Motion picture. O. Wittel. 1,861,891; June 7.
Film reel to facilitate film threading. E. M. Porter. 1,856,112; May 3.
Film roll, Photographic. E. Mayer. 1,856,717; May 3.
Film rolls, Device for developing. O. Barnack. 1,840,427; Jan. 12.
Film scrap, etc., including bleaching, Reclaiming. C. E. Allen. 1,844,716; Feb. 9.
Film scrap with an alcoholic solution of sodium peroxide, Reclaiming. C. E. Allen. 1,844,711; Feb. 9.
Film, sensitizer therefor, and producing same, Light sensitive. R. Kohn. 1,875,292; Aug. 30.
Film, Sound-record cinematograph. T. T. Baker. 1,890,557; Dec. 13.
Film sound recording. R. E. Grant. 1,886,540; Nov. 8.
Film sound reproducer. J. B. Taylor. 1,848,808; Mar. 8.
Film splicer. J. V. Lile. 1,852,170; Apr. 5.
Film spooling apparatus and reels therefor. O. Wittel. 1,880,633; Oct. 4.
Film sprocket. J. Dina. 1,850,830; Mar. 22.
Film stabilizer for sound picture projectors. J. C. Rose. 1,841,382; Jan. 19.
Film supporting and driving apparatus. E. W. Kellogg. 1,892,554; Dec. 27.
Film take-up. R. P. May. 1,871,715; Aug. 16.
Film tensioning means for cinematographs. A. Shapiro. 1,855,770; Apr. 26.
Film traps, Method of and apparatus for cooling. A. Dina. 1,853,725; Apr. 12.
Film treating apparatus. W. V. D. Kelley. 1,856,390; May 3.
Film treating apparatus and method. C. R. Hunter and R. M. Pierce. 1,845,416; Feb. 16.
Film to the film spool, Attachment of moving picture. L. Goldhammer. 1,871,983; Aug. 16.
Film viewing machine. I. Serrurier. 1,873,341; Aug. 23.
Film viewing pocket apparatus, Daylight. W. Tideman. 1,869,525; Aug. 2.
Film views from variable positions, Apparatus for taking cinematographic. A. H. J. St. Genies. 1,850,641; Mar. 22.
Film with antihalation coating, Photographic. C. J. Malm. 1,884,035; Oct. 25.
Film with sound track indication, Photographic. K. C. D. Hickman. 1,849,252; Mar. 15.
Films and surfaces and resulting product, Hardening gelatine. F. C. Atwood. 1,865,497; July 5.
Films and resulting product, Two-stage method of dyeing. L. T. Troland. 1,860,912; May 31.
Films and resulting products, Effecting delayed hardening of. J. F. Kiennimger. 1,851,166; Mar. 29.
Films and similar products, Making nitro-cellulose. J. B. Wells. 1,845,377; Feb. 16.
Films and the like from cellulose solutions, Manufacturing. M. König. 1,891,701; June 7.
Films, Apparatus for developing. J. W. Smith. 1,860,059; May 24.
Films, Apparatus for examining and selecting motion picture. I. Serrurier. 1,873,342; Aug. 23.
Films, Apparatus for printing continuous. A. G. Wise. 1,891,398; Dec. 20.
Films, Apparatus for the treatment of. W. Steinmann. 1,854,604; Apr. 19.
Films, Apparatus for titling movie. C. W. Schwartz. 1,885,555; Nov. 1.
Films, Apparatus for treating. M. Schlömer. 1,886,596; Nov. 8.
Films, Autographing photographic. J. P. Scannel. 1,886,052; Nov. 1.
Films, Coloring motion picture. R. C. McClay. 1,853,445; Apr. 12.
Films, Conditioning photographic. K. C. D. Hickman. 1,861,918; June 7.
Films, Developing unit for X-ray and other photographic. J. E. Bowker. 1,890,366; Dec. 6.
Films, Device for copying. H. Arni. 1,876,442; Sept. 6.
Films, Device for projecting color and monochrome. A. Herault. 1,877,720; Sept. 13.
Filter for preventing distortion. M. Lebedinsky. 1,866,655; July 12.
Films for producing sound effects, Marking. D. Fleischer. 1,888,914; Nov. 22.
Films for projection of colors, Production of. A. Oswald. 1,855,198; Apr. 26.
Films, Forming composite motion picture. R. J. Mammes. 1,869,819; Aug. 2.
Films from galvanic reactions on photographic layers or the like being applied to them, Protection of metallic. C. Semenitz and S. Loewenthal. 1,846,765; Feb. 23.
Films in colors to disappear, Method and apparatus for causing the reticulation and cloudy effects in goffered. I. Kitrosser. 1,884,994; Oct. 25.
Films, Making cellulosic. J. B. Wells and C. L. A. Wynd. 1,878,559; Sept. 20.
Films, Marking negative. J. W. Myers. 1,841,049; Jan. 12.
Films of blood. Apparatus for the preparation of. W. Schiller. 1,858,308; May 17.
Films of various thicknesses, Drawing apparatus with pivotally movable lips for the manufacture of cellulose. A. Maurer. 1,885,747; Nov. 1.
Films or other articles, Apparatus for and methods of handling. W. J. Williams. 1,842,890; Jan. 26.
Films or the like particularly for use in electric condensers, Producing. E. Pfiffner. 1,873,474; Aug. 23.
Films, Printing machine for moving picture. J. Burkhardt. 1,885,229; Nov. 1.
Films, Printing multicolor. W. H. Peck. 1,840,524; Jan. 12.
Films, Production of lenticular elements on. G. Heymer. 1,879,237; Sept. 27.
Films, Reeling device for motion picture. E. T. Franzen and A. J. Weiss. 1,874,953; Aug. 30.
Films, Reproducing. A. Oswald. 1,874,601; Aug. 30.
Films, Semiautomatic apparatus for cutting, preparing and sticking cinematographic. J. Bronopolsky. 1,851,800; Mar. 29.
Filter. B. Braunwell. 1,861,295; May 31.
Filter. P. S. Carter. 1,866,525; July 12.
Filter. C. Christofferson. 1,862,659; June 14.
Filter. H. P. Curtis. 1,861,469; June 7.
Filter. C. Davies. 1,890,624; Dec. 13.
Filter. D. D. Dooley. 1,884,615–16; Oct. 25.
Filter. G. J. Fowler. 1,890,251; Dec. 6.
Filter. J. A. Gordon. 1,892,210; Dec. 27.
Filter. A. J. Haug. 1,848,478; Mar. 8.
Filter. O. Hennings. 1,882,078; Oct. 11.
Filter. G. O. Hiller. 1,892,306; Dec. 27.
Filter. L. R. Lentz. 1,842,990; Jan. 26.
Filter. L. R. Lentz. 1,861,805; June 7.
Filter. R. P. F. Liddell. 1,861,576; June 7.
Filter. N. M. Michalovsky. 1,845,316; Feb. 16.
Filter. J. C. Misner. 1,876,465; Sept. 6.
Filter. C. W. Moore. 1,858,900; May 17.
Filter. K. P. Pietzsch. 1,864,757; June 28.
Filter. F. Pretsch. 1,865,209; June 28.
Filter. W. H. Robbins. 1,868,808; July 26.
Filter. H. A. Valle. 1,848,445; Mar. 8.
Filter. P. B. Wallace. 1,874,720; Aug. 30.
Filter. H. F. Webb. 1,846,168; Feb. 23.
Filter. O. B. Wendeln. 1,887,052; Nov. 8.
Filter. F. W. Young. 1,850,644; Mar. 15.

Filter, Air. C. P. Hegan. 1,870,196; Aug. 2.
Filter, Air. H. E. Howard. 1,860,778; May 31.
Filter, Air. M. C. Kamrath. 1,863,015; June 14.
Filter, Air. F. Smith. 1,863,456; June 14.
Filter, Air. C. C. Whittaker. 1,865,987; July 5.
Filter, Air. C. W. Williams. 1,886,927; Nov. 8.
Filter, Analytical. A. M. Van Doorn. 1,865,982; July 5.
Filter and rectifying system. J. Zubaty and F. D. Smith, Jr. 1,864,332; June 21.
Filter apparatus. R. S. Butler. Re18,369; Mar. 1.
Filter apparatus, Continuous. A. S. Bailey. 1,859,282; May 24.
Filter arrangement. R. G. McCurdy. 1,848,221; Mar. 8.
Filter arrangement, Electric. A. Jaumann. 1,882,631; Oct. 11.
Filter, Band. M. Vos and H. K. A. Sterky. 1,843,892; Feb. 2.
Filter, Benzene. M. Pleani. 1,847,978; Mar. 1.
Filter blowback. W. E. Piper. 1,870,381; Aug. 9.
Filter by-pass, Oil. C. W. McKinley. 1,840,519; Jan. 12.
Filter cake treating device. A. Wright and F. W. Young. 1,880,405; Sept. 27.
Filter cake treating device. F. W. Young. 1,880,006; Sept. 27.
Filter, Cistern. C. B. Demaree. 1,892,039; Dec. 27.
Filter, Color. I. Kitroser. 1,878,857; Sept. 20.
Filter construction. W. E. Wood and W. H. Bachelder. 1,871,870; Aug. 16.
Filter construction, Oil. E. J. Sweetland. 1,873,795; Aug. 23.
Filter, Continuous. R. P. Akins. 1,878,998; Sept. 27.
Filter, Continuous. J. J. Armstrong. 1,856,452; May 3.
Filter, Continuous. R. C. Campbell. 1,868,883; July 26.
Filter, Continuous. H. McCaskell. 1,909,937; May 31.
Filter device for floodlights. J. A. Hoeveler. 1,843,558; Feb. 2.
Filter, Dust catcher air. G. B. Galvin. 1,873,573; Aug. 23.
Filter, Electric wave. F. X. Rettenmeyer. 1,853,929; Apr. 12.
Filter, Electrical. G. B. Crouse. 1,856,182; May 3.
Filter, Electrical wave. O. J. Zobel. 1,850,146; Mar. 22.
Filter element, Armored. O. V. Greene. 1,883,715; Oct. 18.
Filter floor construction, Trickling. J. G. Barbour. 1,883,468; Oct. 18.
Filter for color photography, Selector. R. Berthon. 1,840,473; Mar. 15.
Filter for gaseous substances. W. Bokenkroger. 1,857,048; May 10.
Filter for hearing and ventilating units, Air. W. Shurtleff. 1,887,737; Nov. 15.
Filter for internal combustion engines, Air. R. V. Hinkle. 1,851,427; Mar. 29.
Filter for liquids. A. Kretzschmar. 1,871,122; Aug. 9.
Filter for liquids and gases. M. Tischer. 1,869,589; Aug. 2.
Filter for paper making. C. W. Nelson. 1,839,249; Jan. 5.
Filter for radiator, V. Hodik. 1,873,410; Aug. 23.
Filter installation, Oil. R. Whyte. 1,846,072; Feb. 23.
Filter, Liquid. B. H. Lundborg. 1,849,582; Mar. 15.
Filter, Lubricant. E. E. Hinds. 1,874,976; Aug. 30.
Filter making machine. R. P. F. Liddell. 1,879,355; Sept. 27.
Filter mechanism. O. V. Greene. 1,850,101; Mar. 22.
Filter mediums, Cleaning and charging air. J. H. Fedeler. Re18,328; Jan. 12.
Filter method and apparatus. H. S. Coe. 1,858,357; May 17.
Filter, Multiplex. J. T. Shimmin. 1,870,387; Aug. 9.
Filter, Multiplex rotary drum. F. W. Becraft. 1,870,485; Aug. 9.
Filter, Oil. L. Blackmore. 1,872,229; Aug. 16.
Filter, Oil. A. A. Bull. 1,840,152; Jan. 5.
Filter, Oil. E. Ericson. 1,872,430; Aug. 16.
Filter, Oil. J. and J. H. S. Gardner. 1,878,630; Sept. 20.
Filter, Oil. C. W. McKinley. 1,857,652; May 10.
Filter, Oil. A. E. Pew, jr. 1,839,992; Jan. 5.
Filter, Oil. T. F. Spackman. 1,844,611; Feb. 9.
Filter or strainer. J. A. Pickard, F. Rogers, and W. Mitchell. 1,894,047; Mar. 8.
Filter pad. W. J. Bacon. 1,874,734; Aug. 30.
Filter, Pipe line. L. L. Dollinger. 1,878,681; Sept. 20.
Filter press. P. W. Putzman. 1,891,396; Dec. 20.
Filter press. D. R. Sperry. 1,859,225; May 24.
Filter press. L. B. Smith and H. Ten Broeck. 1,863,071; June 14.
Filter, Pressure. S. W. Briggs. 1,860,229; May 24.
Filter, Radiator. J. Rendelman. 1,857,606; May 10.
Filter, Rotary. A. G. E. Joyce. 1,855,835; Apr. 26.
Filter, Rotary vacuum. S. E. Woodworth. 1,859,642; May 24.
Filter screen. J. E. Anderson. 1,886,460; Nov. 8.
Filter system, Electrical. G. Kelley. 1,842,364; Jan. 19.
Filter system, Electrical. B. F. Miessner. 1,852,125; Apr. 5.
Filter system, Electrical. B. F. Miessner. 1,853,217; Apr. 12.
Filter tubes, Device for cleaning. H. H. Cannon. 1,877,723; Sept. 13.
Filter, Tubular. H. H. Cannon. 1,877,157; Sept. 13.
Filter unit heater, Removable. L. D. Harnett. 1,847,609; Mar. 1.
Filter, Water. L. E. Rabjohn. 1,861,481; June 7.
Filter, Well. H. Lange. 1,848,730; Mar. 8.
Filter, Wheatstone bridge. H. A. Wheeler. 1,855,619; Apr. 26.
Filtering apparatus. S. Alsop. 1,870,885; Aug. 9.
Filtering apparatus. W. F. Brace and F. E. Beluche. 1,867,397; July 12.
Filtering apparatus. G. Raymond and R. A. Morgen. 1,852,371; Apr. 5.
Filtering apparatus. J. L. Stevens. 1,882,045; Oct. 11.
Filtering apparatus. J. B. Verney. 1,887,471; Nov. 8.
Filtering apparatus, Automatic. G. Donaldson. 1,862,050; June 7.
Filtering apparatus, Continuous. H. C. Hirsch. 1,887,129; Nov. 8.
Filtering apparatus for refrigerating systems. R. W. Davenport. 1,859,766; May 24.
Filtering arrangement for direct current. H. W. Houck. 1,840,776; Jan. 12.
Filtering, bleaching and insulating material, Making a. H. T. Woodward. 1,873,520; Aug. 23.
Filtering device. F. A. Leigh. 1,840,516; Jan. 12.
Filtering device. E. Perlman. 1,872,802; Aug. 23.
Filtering or fine straining apparatus for liquids. F. C. Fulcher. 1,877,449–51; Sept. 13.
Filtering process and apparatus. W. G. Whitman. 1,871,207; Aug. 9.
Filtering system and filter tank. W. J. Candlish and W. T. Morgan. 1,885,289; Apr. 26.
Filters, Apparatus for cleaning and charging air. A. M. Goodloe. 1,865,245; June 28.
Filters for gas, air, and the like. A. Jordahl. 1,841,536; Jan. 19.
Filters, Sludge remover for self-cleaning air. R. Strindberg. 1,843,182; Feb. 2.
Filtration. E. J. De Free and G. J. Van Zoeren. 1,843,212; Feb. 2.
Filtration. W. P. Gee. 1,857,810; May 10.
Filtration. W. E. Kinnison. 1,871,891; Aug. 16.
Filtration plant control. S. L. Adelson. 1,870,321; Aug. 9.
Filtration, Process and apparatus for continuous. F. W. Hail. 1,874,972; Aug. 30.
Finder and leveler, View. A. F. Victor. 1,855,269; Apr. 26.
Finger key. E. G. Robeson. 1,847,538; Mar. 1.
Finger nail cleaner, Pencil. M. Schnefel. 1,848,751; Mar. 8.
Finger nail clip. W. A. Peters. 1,841,847; Jan. 19.
Finger piece for scouring pads. R. B. Kingman. Des. 86,242; Feb. 16.
Finger plate. H. G. Jungk. 1,870,813; Aug. 9.
Fingerprint apparatus. H. G. Smith and T. Burrick. 1,860,486; May 31.
Finger rest. M. T. Brekke. Des. 87,660; Aug. 30.
Finger ring. G. A. Armstrong. 1,877,442; Sept. 13.
Finger ring. J. J. Brophy. 1,881,931; Apr. 26.
Finger ring. J. Granat. Des. 87,258–9; June 28.
Finger ring. J. J. Klecka. Des. 87,097; June 7.
Finger ring. T. Kochankow. Des. 87,159; June 14.
Finger ring. J. H. Levin. Des. 88,561; Dec. 6.
Finger ring. R. L. McCarty, jr. Des. 87,164; June 14.
Finger ring. H. W. Peters. 1,855,066; Apr. 19.
Finger ring. M. D. Roland. Des. 86,138–9; Feb. 2.
Finger ring. M. Rabinowitz. 1,851,128; Mar. 29.
Finger ring. I. Roskin. 1,866,320; July 5.
Finger ring. P. Sammartino. 1,842,427; Jan. 26.
Finger-shaping device. M. Hannon. 1,879,609; Sept. 27.
Finish, Ornamental. F. B. Root. 1,864,763; June 28.
Finish remover composition adapted to remove nitrocellulose coatings. C. Ellis. 1,884,632; Oct. 25.
Finish remover containing a corrective of anti-penetration, Heavy bodied. B. N. Lougovoy. 1,884,769; Oct. 25.
Finish remover containing chlorinated hyrocarbon wax solvent. B. N. Lougovoy. 1,884,774; Oct. 25.
Finish remover containing chlorinated hydrocarbons, nonbenzolic. B. N. Lougovoy. 1,884,773; Oct. 25.
Finish remover containing methyl acetate. B. N. Lougovoy. 1,884,770; Oct. 25.
Finish remover, Low wax nonhydrocarbon. B. N. Lougovoy. 1,884,772; Oct. 25.
Finishes, Method of and apparatus for applying wall. E. J. Miller. 1,888,234; Nov. 22.
Finishing machine. F. B. Keall. 1,881,656; Oct. 11.
Finishing machine for small articles. J. M. Christman. 1,883,567; Oct. 18.
Finishing machine for wheels, etc. W. M. Duncan. 1,856,846; May 3.
Fins to cylinders, Bonding cooling. R. P. Koehring. 1,840,724; Jan. 12.
Fins to tubes, Soldering. C. W. Owston. 1,850,473; Mar. 22.
Fire alarm. W. B. Cromer. 1,850,707; Mar. 22.
Fire alarm. O. C. Gilbert and J. L. Arledge. 1,840,894; Jan. 12.
Fire alarm, Automatic. E. A. Dan. 1,892,503; Dec. 27.
Fire alarm, Electrical automatic. T. S. Dixon and A. E. Simpson. 1,874,254; Aug. 30.
Fire alarm succession box. E. A. Faller. 1,882,071; Oct. 11.
Fire alarm switch, Automatic. E. Marshall. 1,879,388; Sept. 27.

Firearm. W. Barnak. 1,843,061; Jan. 26.
Firearm. W. S. Bradbury and A. L. Lowe. 1,869,587; Aug. 2.
Firearm. J. E. Browning. 1,842,581; Jan. 26.
Firearm. F. E. Ekdahl. 1,851,686; Mar. 29.
Firearm. J. M. Horger. 1,867,569; July 19.
Firearm. C. C. Loomis. 1,843,569; Feb. 2.
Firearm. C. C. Loomis. 1,848,570; Mar. 8.
Firearm. C. C. Loomis. 1,855,402–4; Apr. 26.
Firearm. C. C. Loomis. 1,856,395; May 3.
Firearm. C. C. Loomis. 1,858,362; May 17.
Firearm. C. C. Loomis. 1,886,704; Nov. 8.
Firearm. C. C. Loomis. 1,889,099; Nov. 29.
Firearm. G. de Luce and F. Guerra. 1,860,276; May 24.
Firearm. A. Mercovic. 1,844,779; Feb. 9.
Firearm. E. G. Reising. 1,840,054; Jan. 5.
Firearm. E. G. Reising. 1,869,584; Aug. 2.
Firearm. E. G. Reising. 1,869,911; Aug. 2.
Firearm. H. Romberg and H. Schuler. 1,864,374; June 21.
Firearm. R. F. Sedgley. 1,849,507; Mar. 15.
Firearm. R. F. Sedgley. 1,874,815; Aug. 30.
Firearm. C. G. Swebilius. 1,852,440; Apr. 5.
Firearm. F. K. Young. 1,840,551; Jan. 12.
Fire-arm and the like. C. de Cazen. 1,854,889; Apr. 19.
Firearm, Automatic. C. S. Cole. 1,843,916; Feb. 9.
Firearm, Automatic. C. S. Cole. 1,845,156; Feb. 23.
Firearm, Automatic. O. Umberto. 1,839,621; Jan. 5.
Firearm with gas extraction, Automatic. J. Destree. 1,846,993; Feb. 23.
Firearms, Barrel spring for automatic. R. V. Frommer. 1,877,839; Sept. 20.
Firearms, Mechanism for. H. E. Howland. 1,849,982; Mar. 15.
Fired agitating mechanism. W. B. Chapman. 1,888,586; Nov. 22.
Fire by backfiring in internal combustion engines and for preventing the obstruction of the suction conduits by frost, Apparatus for the prevention of. C. H. Bichler. 1,870,486; Aug. 9.
Firebox construction for furnaces. H. F. Braun, S. L. Laughlin, and W. J. Smith. 1,881,260; Oct. 4.
Fire box for locomotives or other steam vehicles. A. Magis and A. Huet. 1,889,754; Dec. 6.
Fire box. Locomotive. C. Ringel. 1,852,263; Apr. 5.
Fire control. A. Steinle. 1,859,722; May 24.
Fire control apparatus. S. J. van den Bergh. 1,859,725; May 24.
Fire control for film utilizing machines. W. H. De Witt. 1,890,804; Dec. 13.
Fire control, System of. G. M. Barnes. 1,862,918; June 14.
Firecracker. H. Yamagishi. 1,861,893; June 7.
Firecrackers, Manufacture of. T. G. Hitt. 1,873,202; Aug. 23.
Fire door apparatus. C. D. Patterson and M. K. Moore. 1,884,824; Oct. 25.
Fire engine. C. H. Fox. 1,890,940; Dec. 13.
Fire engine. H. Walker. 1,860,638; May 31.
Fire escape. C. D. De Graffenreid. 1,888,911; Nov. 22.
Fire escape. T. E. La Roy. 1,852,976; Apr. 5.
Fire escape. A. L. Lucas. 1,852,887; Apr. 5.
Fire escape. W. Neusüs. 1,860,294; May 24.
Fire escape. A. L. Vanasse. 1,883,849; Oct. 18.
Fire escape, Hodiel. R. A. Webster. 1,839,983; Jan. 5.
Fire escape, Rotary. S. S. Hirschman. 1,882,145; Oct. 11.
Fire escape safety device. G. Mattioli. 1,849,878; Mar. 15.
Fire extinguisher. A. C. Badger. 1,844,198; Feb. 9.
Fire extinguisher. A. C. Badger. 1,861,140; June 6.
Fire extinguisher. A. Blankenhagen. 1,878,369; Sept. 20.
Fire extinguisher. A. O. Bonifacz. 1,862,879; June 14.
Fire extinguisher. A. Bowden. 1,867,616; July 12.
Fire extinguisher. W. B. Bronander. Re18,327; Jan. 12.
Fire extinguisher. W. B. Bronander. 1,844,056; Feb. 9.
Fire extinguisher. W. B. Bronander. 1,844,879; Feb. 9.
Fire extinguisher. W. B. Bronander. 1,851,151; Mar. 29.
Fire extinguisher. W. B. Bronander. 1,885,226; Nov. 1.
Fire extinguisher. A. W. Burnham. 1,866,151; July 5.
Fire extinguisher. J. A. Cofield. 1,887,013; Nov. 8.
Fire extinguisher. F. A. Dodelin. 1,878,472; Sept. 20.
Fire extinguisher. L. E. Feldman. 1,842,665; Jan. 26.
Fire extinguisher. G. H. Gilbert. 1,883,316; Nov. 22.
Fire extinguisher. L. E. Griffing. 1,862,082; June 7.
Fire extinguisher. L. W. Hawley. 1,890,541; Dec. 13.
Fire extinguisher. C. K. Huthsing. 1,888,674; Nov. 22.
Fire extinguisher. R. C. Idings. 1,878,705; Sept. 20.
Fire extinguisher. W. Kahn. 1,848,727; Mar. 8.
Fire extinguisher. H. C. Laengel. 1,890,517; Dec. 13.
Fire extinguisher. J. Martinez. 1,887,875; Nov. 15.
Fire extinguisher. A. W. Orton. 1,854,218; Apr. 19.
Fire extinguisher. A. B. Phister. 1,851,056; Mar. 29.
Fire extinguisher. W. L. Roessner. 1,870,872; Aug. 9.
Fire extinguisher. W. L. Roessner. 1,889,844; Dec. 6.
Fire extinguisher. W. R. Rollo. 1,859,843; May 24.
Fire extinguisher. W. R. Rollo. 1,887,217; Nov. 8.
Fire extinguisher. J. G. Schooler. 1,870,692; Aug. 9.
Fire extinguisher. H. T. Stokes. 1,849,644; Mar. 15.
Fire extinguisher. H. T. Stokes. 1,862,584; June 14.
Fire extinguisher. H. E. Van Ness. 1,857,797; May 10.
Fire extinguisher. E. P. Wagner. 1,885,309; Nov. 1.
Fire extinguisher, Air blast. C. Costa. 1,863,920; June 21.
Fire extinguisher and alarm, Combined automatic. E. F. Pohl. 1,869,503; Aug. 2.
Fire extinguisher and sprayer, Portable. C. T. Clifford. 1,875,992; Sept. 6.
Fire extinguisher and sprayer, Portable. M. H. Smith. 1,869,869; Aug. 2.
Fire extinguisher and support therefor. W. B. Bronander. 1,863,135; July 19.
Fire extinguisher, Automatic. J. E. Carpenter and C. S. Whitman. 1,852,074; Apr. 5.
Fire extinguisher charge. R. W. Austin. 1,863,321; June 14.
Fire extinguisher charge. R. C. Iddings. 1,878,705; Sept. 20.
Fire extinguisher for benzine tanks and the like. J. H. Norling. 1,843,882; Feb. 2.
Fire extinguishers, Foam stabilizer for. A. Berghausen. 1,848,042; Mar. 1.
Fire extinguishing and fire protective method. B. Richards. 1,882,911; Oct. 4.
Fire extinguishing apparatus. W. B. Bronander. 1,860,074; May 24.
Fire extinguishing apparatus. G. W. Burke, jr. 1,866,008; July 5.
Fire extinguishing apparatus. P. G. MacGregor. 1,849,128; Feb. 23.
Fire extinguishing apparatus. A. B. Phister and B. H. Phister. 1,878,537; Sept. 20.
Fire extinguishing apparatus. A. C. Rowley. 1,873,724; Aug. 23.
Fire extinguishing apparatus and method. L. G. M. Timpson. 1,869,319; July 26.
Fire extinguishing compound. A. J. Gilleo. 1,891,673; Dec. 20.
Fire extinguishing device. R. E. Gore. 1,850,008; Mar. 15.
Fire extinguishing device. H. Hutchinson. 1,861,533; June 7.
Fire extinguishing device for aeroplanes. R. E. Townsend, jr. 1,840,986; Jan. 12.
Fire extinguishing foam, Method and apparatus for producing. H. Burmeister. 1,859,326; May 24.
Fire extinguishing medium, Discharging a. W. H. Freygang. 1,885,817; Nov. 1.
Fire extinguishing method. L. J. Dugas. 1,877,649; Sept. 13.
Fire extinguishing system. A. C. Rowley. 1,891,113; Dec. 13.
Fire extinguishing system, Automatic and manual remote control. E. A. Lowe. 1,869,201; July 26.
Fire fighting apparatus. L. C. Moore. 1,874,573; Aug. 30.
Fire fighting apparatus. J. Panther, jr. 1,880,272; Oct. 4.
Fire fighting system. R. M. Urquhart. 1,844,373; Feb. 9.
Fire hazards in operating upon and cleaning containers of inflammable liquids or gases, Method and apparatus for preventing. S. P. Johnson and P. S. Williams. 1,849,932; Mar. 15.
Fireplace, Collapsible. F. E. Erickson. 1,853,116; Apr. 12.
Fireplace construction. E. A. Scott and G. P. Fleetwood. 1,878,719; Sept. 20.
Fireplace construction. R. C. Zornes. 1,864,036; June 21.
Fireplace, Electric. W. W. Guy. 1,867,740; July 19.
Fireplace fixture. E. S. Pettiegrew. 1,858,967; May 17.
Fireplace, Imitation. F. Staude. 1,840,372; Jan. 12.
Fireplace, Portable. B. F. Elbert. 1,852,404; Apr. 5.
Fireplace screen. F. Bertram. 1,860,566; May 31.
Fireplace smoke chamber construction. E. A. Scott. 1,853,234; Apr. 12.
Fireplace structure, Convertible. W. Naftal and M. Ensler. 1,889,103; Nov. 29.
Fire pot structure. W. Blaskewitz and J. Ironside. 1,846,013; Feb. 23.
Fire pot, Underfeed. J. Madlehner. 1,876,310; Sept. 6.
Fire preventing device for moving picture machines. J. C. Pfeil. 1,886,043; Nov. 1.
Fire prevention device for cinematographic film apparatus. F. Cowle. 1,852,276; Oct. 11.
Fire preventive device for motion picture apparatus. H. H. Sternberg. 1,885,498; Nov. 1.
Fire regulation system for steam boilers, Automatic. H. Rabe. 1,874,619; Aug. 30.
Fire resisting inclosure, Multiple unit. F. A. Fahrenwald. 1,840,942; Jan. 12.
Fire shutter, Screened and ventilating. A. Dina. 1,884,608; Oct. 25.
Fires, Apparatus for extinguishing forest. O. Torseth. 1,871,096; Aug. 9.
Fires, Extinguishing. L. J. Dugas. 1,839,658; Jan. 5.
Fires, Extinguishing chimney. B. P. M. Le Gouz de Saint Seine. 1,889,483; Nov. 29.
Fires, Extinguishing gas and oil well. J. S. Murphy. 1,857,788; May 10.
Fires in tanks, Apparatus for extinguishing. W. F. Thiede. 1,860,825; May 31.
Fires, Process and apparatus for combating oil and chemical. R. G. Guthrie. 1,876,222; Sept. 6.
Fireset. H. B. Cranshaw. 1,860,926; May 31.
Fireworks. J. Gioiosa. 1,842,827; Jan. 26.
Firing equipment. F. W. Miller. 1,875,750; Sept. 6.
Firing director. A. Steinle. 1,854,771; Apr. 19.
Firing key. J. B. Feder. 1,876,887; Sept. 13.
Fish and other meats, Preparing. E. H. Cooley. 1,881,171; Oct. 4.

Fish, Apparatus for filleting. R. and A. S. Reid. 1,883,822; Oct. 18.
Fish, Apparatus for preparing powdered. F. Y. Omurel. 1,867,525; July 12.
Fish, Apparatus for transporting live. H. G. Robbins. 1,891,779; Dec. 20.
Fish bait. W. F. Eger. 1,865,359–60; June 28.
Fish bait. J. S. Keuper. 1,867,458; July 12.
Fish bait, Artificial. F. C. Cameron. 1,857,939; May 10.
Fish bait, Artificial. W. M. Campbell. 1,861,110; May 31.
Fish bait, Mechanical. W. J. Vollett. 1,847,504; Mar. 1.
Fishbone removing machine. W. H. Hunt. 1,861,863; June 12.
Fish cable, Spiral. J. W. Lewin. 1,858,997; May 17.
Fish cleaning mechanism. B. C. Youman. 1,853,328; Apr. 12.
Fish, Cooking. H. G. Schwarz. 1,842,693; Jan. 26.
Fish cutting machine. O. G. Rieske. 1,868,255; July 19.
Fish cutting machine. A. R. Rogers. 1,859,879; Dec. 6.
Fish diverter for irrigation ditches, flumes, natural waterways and the like. H. T. Burkey. 1,882,482; Oct. 11.
Fish dorsal fin centering means. W. H. Hunt. 1,889,919; Dec. 6.
Fish fin and tail guide for filleting machines. W. H. Hunt. 1,885,829; Nov. 1.
Fishhook. H. M. Fitch. 1,851,698; Mar. 29.
Fish hook. G. W. Little. 1,865,120; June 28.
Fishhook. P. O. Southwell. 1,875,182; Aug. 30.
Fish hook. R. B. Wolford. 1,869,293; July 26.
Fishhook releaser. R. C. Munger. 1,851,370; Mar. 29.
Fishhook sinkers. R. G. Morgan and E. O. Kirkriet. 1,861,237; May 31.
Fishhook snelling machine. H. W. Meyer. 1,869,857; Aug. 2.
Fishhooks, Attachment for. M. V. Prouse. 1,863,544; June 14.
Fishline. R. H. Sedgley. 1,846,912; Feb. 23.
Fish line bobber. W. Schroeder. 1,866,864; July 12.
Fish lock. H. Barr. 1,872,556; Aug. 16.
Fish lure. J. W. Albers and A. J. Anderson. 1,846,538; Feb. 23.
Fish lure. S. R. Bergstedt. 1,861,905; June 7.
Fish lure. A. F. Boehm. 1,866,289; July 5.
Fish lure. A. Braidwood. 1,849,055; Mar. 15.
Fish lure. J. E. Brown. 1,874,883; Aug. 30.
Fish lure. G. M. Coffin. 1,858,221; Nov. 22.
Fish lure. A. Eppich. 1,851,571; Aug. 16.
Fish lure. E. L. Farley. 1,854,024; Apr. 12.
Fish lure. S. Goerke. 1,883,695; Oct. 18.
Fish lure, and H. Harrington. 1,866,565; July 5.
Fish lure. W. A. Herington. 1,854,696; Apr. 19.
Fish lure. H. O. Kuehn. 1,857,312; May 10.
Fish lure. J. McGarvey. 1,849,055; Oct. 25.
Fish lure. J. J. Miller. 1,890,400; Dec. 6.
Fish lure. J. A. Nolan. 1,886,116; Nov. 1.
Fish lure. O. F. Olson. 1,875,122; Aug. 30.
Fish lure. H. Powell. 1,849,055; Mar. 15.
Fish lure. E. W. Rawdon. 1,881,947; Oct. 11.
Fish lure. G. P. Schadell and S. B. Gleason. 1,890,266; Dec. 6.
Fish lure. C. H. Stapf. 1,851,529; Mar. 29.
Fish lure. M. M. Steffensen. 1,878,015; Sept. 20.
Fish lure. C. W. Stickel and W. J. Seidue. 1,842,127; Jan. 19.
Fish lure. J. A. Van Ness. 1,873,682; Aug. 23.
Fish lure, Trolling. J. E. M. Chamberlaine. 1,865,096–7; Apr. 19.
Fish mouth spreader. M. J. Frambach and C. P. Hills. 1,879,161; Sept. 27.
Fish net. H. L. Juergens. 1,841,956; Jan. 19.
Fish oil extraction. S. Hiller. 1,840,715; Jan. 12.
Fish plates engaging the rail heads, Adjustable. H. Pösentrup. 1,856,358; May 3.
Fish screen. R. D. Willis. 1,875,790; Sept. 6.
Fish skinning machine. J. D. Bisset. 1,867,133; July 12.
Fish tail bit. H. McHaley. 1,845,168; Feb. 16.
Fishing apparatus. S. A. Emanwein. 1,876,692; Sept. 13
Fishing device. A. Vermeulen. 1,850,296; Mar. 22.
Fishing device. J. A. Wark. 1,847,798; Mar. 1.
Fishing fly. S. M. Wright and A. D. McGill. 1,849,899; Mar. 15.
Fish screen. R. D. Willis. 1,875,790; Sept. 6.
Fish skinning machine. J. D. Bisset. 1,867,133; July 12.
Fish tail bit. H. McHaley. 1,845,168; Feb. 16.
Fishing apparatus. S. A. Emanwein. 1,876,692; Sept. 13
Fishing device. A. Vermeulen. 1,850,296; Mar. 22.
Fishing device. J. A. Wark. 1,847,798; Mar. 1.
Fishing fly. S. M. Wright and A. D. McGill. 1,849,899; Mar. 15.
Fishing hook. T. S. Katich. 1,878,635; Sept. 20.
Fishing line. Hedden & Hedden. 1,876,093; Sept. 13
Fishing lure. L. A. Chapleau. Des. 87,958; Oct. 18.
Fishing lure. L. A. Chapleau. 1,872,406; Aug. 16.
Fishing lure. J. B. Fagin. Des. 87,680; Aug. 30.
Fishing lure. J. S. Lang. 1,840,273; Jan. 5.
Fishing lure. J. H. Martin. 1,846,130; Feb. 23.
Fishing lure. F. McLaughlin. 1,869,111; July 26.
Fishing line and mailing same. N. R. L. Means. 1,881,285; Oct. 4.
Fishing nets, Manufacture of. J. B. J. A. Vigneron and P. L. Fleboul. 1,853,524; Apr. 12.
Fishing reel. W. L. Adams. 1,856,047; Apr. 26.
Fishing reel. L. Bonsieur. 1,856,943; May 3.
Fishing reel. F. Burdick. 1,882,771; Oct. 18.
Fishing reel. F. M. Case. 1,855,738; Apr. 26.
Fishing reel. F. C. Lefler. 1,847,519; Mar. 1.
Fishing reel. C. T. Pflueger. 1,864,146; June 21.
Fishing reel. C. T. Pflueger. 1,871,386; Aug. 9.
Fishing reel. S. G. Russell. 1,844,980; Feb. 16.
Fishing reel. S. G. Russell. 1,861,819; June 7.
Fishing reel. N. J. Smith. Re18,408; Apr. 5.
Fishing reel. G. C. Walberg. 1,865,066; June 28.
Fishing-reel, Automatic casting antibacklash. A. Jacobsen. 1,880,087; Nov. 15.
Fishing reel frame. F. Workman, jr. Des. 87,860; Sept. 27
Fishing reel, Level-wind. J. Kautzky, jr. 1,862,683; June 14.
Fishing rod. R. H. Cowdery. 1,874,246; Aug. 30.
Fishing rod. H. E. Fuller. 1,843,714; Feb. 2.
Fishing rod. L. P. Lane. 1,880,343; Oct. 4.
Fishing rod. C. T. Pflueger. 1,844,044; Feb. 9.
Fishing rod. J. T. Welch. 1,870,976; Aug. 9.
Fishing rod. J. T. Welch. 1,871,229; Aug. 9.
Fishing rod construction. C. M. Anderson. Re18,365; Mar. 1.
Fishing rod handle. A. C. Fenton. 1,839,751; Jan. 5.
Fishing rod reel. C. T. O'Hara and W. A. Quirt. 1,860,052; July 5.
Fishing rod tip. P. A. Haberl. 1,856,551; May 3.
Fishing tackle. C. T. Pflueger. 1,856,043; Apr. 26.
Fishing tackle. G. L. Waitt. 1,859,944; May 24.
Fissure detector for magnetic materials. E. A. Sperry. 1,867,685; July 19.
Fissure detector for metals. E. A. Sperry. Re18,555; Aug. 2.
Fitting. A. H. Fleck. 1,848,521; Mar. 8.
Fitting. R. B. Munday. 1,843,487; Feb. 2.
Fitting. A. Ten Brook. 1,877,433; Sept. 13.
Fitting and coupling element for lubricating devices. R. E. Mudd. 1,848,538; Mar. 8.
Fitting and making the same. P. Balze. 1,843,192; Feb. 2.
Fitting and making the same, Electrical. G. B. Benander. 1,857,178; May 10.
Fitting and reducer adapter therefor. O. E. Roseman. 1,880,107; Sept. 27.
Fitting and valve construction therefor, Drainage. E. W. N. Boosey. 1,873,273; Aug. 23.
Fitting, Conduit. G. R. Metcalf, jr. 1,886,413; Nov. 8.
Fitting, Drainage. E. W. N. Boosey. 1,873,275; Aug. 23.
Fitting, Electric. L. B. Manson. 1,860,546; May 31.
Fitting, Electrical. R. A. Millermaster and W. C. Tregoning. 1,840,520; Jan. 12.
Fitting for electrical conduit systems. J. M. G. Fullman. 1,850,794; Mar. 22.
Fitting for electrical systems, Grounding. H. B. Lee. 1,839,883; Jan. 5.
Fitting for industrial thermometers, Sanitary. L. B. Swift. 1,890,006; Dec. 6.
Fitting for mops. E. H. Tate. 1,883,091; Oct. 18.
Fitting for multiple electric installations. M. J. De Mask. 1,840,887; Jan. 12.
Fitting for respirators, Elbow. H. F. Shindel. Des. 88,683; Dec. 13.
Fitting, Fused attachment plug. L. Barnett. 1,863,824; June 21.
Fitting, Grounding. S. N. Buchanan. 1,887,193; Nov. 8.
Fitting, Grounding. L. H. Church. 1,864,295; June 21.
Fitting, High pressure grease. J. F. MacIndoe. 1,855,748; Apr. 26.
Fitting Hollow. T. E. Murray. 1,880,269; Oct. 4.
Fitting or union, Back-flow check. J. H. Thompson. 1,844,613; Feb. 9.
Fitting, Orifice. C. A. Alkire. 1,854,727; Apr. 19.
Fitting, Return bend. R. L. Stewart. 1,859,850; May 24.
Fitting, Return bend. H. C. Stockham. 1,859,852; May 24.
Fitting, Solder carrying. R. W. Schulte. 1,840,414; Jan. 12.
Fitting, Stop log. O. Holden. 1,866,350; July 5.
Fitting, Union. A. A. Eisenman. 1,875,330; Sept. 6.
Fitting, Water pipe. L. Block. 1,870,089; Aug. 2.
Fittings for head lamps, Anti-dazzle. S. E. Talbot. 1,876,362; Sept. 6.
Fittings for oil stills, Return bend. F. C. Fantz. 1,868,164; July 19.
Fittings for oil stills, Return bend. F. C. Fantz. 1,874,004; Aug. 30.
Fittings, Producing angle. A. J. Weatherhead, jr. 1,868,037; July 19.
Fixture. L. L. Beck. 1,878,247; Sept. 20.
Fixture, Clutch servicing. C. B. Spase. 1,868,675; July 26.
Fixture, Combined curtain and shade. O. J. Prevost and F. Tanquay. 1,867,985; July 19.
Fixture, Concealed bath and shower. E. W. Binns. 1,847,917; Mar. 1.
Fixture, Curtain support. J. Manna. 1,856,962; May 3.
Fixture, Dressing. J. Edgar. 1,855,343; Apr. 26.
Fixture, Electric light. G. E. McFadden. Des. 85,949–50; Jan. 5.
Fixture for bath tubs, Waste and overflow. A. Rosewood. 1,875,764; Sept. 6.
Fixture for electric lights, Suspension. M. E. Surface and A. W. Wellington. 1,856,142; May 3.
Fixture for holding bird food. L. G. Henning and J. Rein. 1,886,015; Nov. 1.
Fixture for poles, Guy. R. G. Williams. Re18,613; Oct. 4.
Fixture for rehabbiting locomotive crosshends. F. Prince. 1,859,464; May 24.
Fixture for vacuum tube lights. L. L. Beck. 1,878,229; Sept. 20.
Fixture hanger. H. D'Oller, jr. 1,883,620; Oct. 18.

Fixture, Indirect lighting. L. C. Doane. 1,862,369; June 7.
Fixture, Lighting. G. Ainsworth. Des. 87,184–5; June 21.
Fixture, Lighting. W. F. Andrews. Des. 87,377; July 19.
Fixture, Lighting. F. H. Hollister. Des. 86,313; Feb. 23.
Fixture, Lighting. M. Klein. Des. 86,316; Feb. 23.
Fixture, Lighting. B. L. Watkin. Des. 85,965; Jan. 5.
Fixture, Radius forming. M. J. Chapman. 1,886,082; Nov. 1.
Fixture, Shade. S. Hartshorn. 1,886,674; Nov. 8.
Fixture, Speaking aperture. J. H. Wise. 1,859,013; May 17.
Fixture strap. G. J. Svetcoff. 1,866,954; July 12.
Fixture support. S. N. Buchanan. 1,881,998; Oct. 11.
Fixture, Supporting. C. J. Lemont. 1,873,434; Aug. 23.
Fixture switch. J. W. Ely, jr. 1,845,079; Feb. 16.
Fixture, Window display. R. G. Brewer. Des. 86,104; Feb. 2.
Fixture, Work holding. J. McDonough and D. D. Rock. 1,871,408; Aug. 9.
Fixtures, Producing assembling. S. E. Boynton. 1,882,755; Oct. 18.
Flag and lamp stand device, Signal. H. K. Dalton. 1,871,667; Aug. 16.
Flag, Dairy. M. W. Allen. 1,888,368; Nov. 22.
Flag, Fender mounting. W. L. Shirley. 1,876,351; Sept. 6.
Flag, Highway protective. P. J. Quinn. 1,859,599; May 24.
Flagpole and the like. C. G. Wilkinson. 1,879,779; Sept. 27.
Flagstaff. F. D. Crichton. 1,855,824; Apr. 26.
Flambeau type of burner. W. E. Goldsborough. 1,865,056; June 28.
Flame arrester. J. P. Dobbins. 1,839,655; Jan. 5.
Flame controlled system. F. S. Denison. 1,880,871; Oct. 4.
Flame, Producing a heating or welding. S. W. Miller. 1,891,314; Dec. 20.
Flame-proofing and product formed thereby. C. Snyder. 1,885,870; Nov. 1.
Flange and connection for tubular heating elements. J. C. Martin, jr. 1,892,766; June 14.
Flange and rail lubricator. J. A. Bodkin. 1,878,259; Sept. 20.
Flange lubricator. R. Hubbard. 1,871,270; Aug. 9.
Flare and releasing means therefor, Landing. R. Wiley. 1,847,545; Mar. 1.
Flare, Parachute. C. L. Paulus. 1,891,172; Dec. 13.
Flash gun. H. Newirth. 1,853,172; Apr. 12.
Flashlight. G. H. Barber. 1,870,829; Aug. 9.
Flashlight. H. Koretzky, M. Horowitz, and A. J. Desimone. 1,891,344; Dec. 20.
Flash light. A. Mitchell. Des. 86,734; Apr. 12.
Flashlight. J. F. Moran. 1,884,108; Oct. 25.
Flash light. R. Schwartzkopf. 1,859,390; May 10.
Flashlight. L. J. Voorhees. 1,859,481; May 24.
Flash light and medical heater. A. Breusch. 1,891,746; Dec. 20.
Flash light apparatus, Photographer's. A. E. Lipp. 1,869,158; July 26.
Flashlight bottom cap with hanger. G. H. Barber. 1,863,151; June 14.
Flash light device. J. T. Fagan. 1,853,968; Apr. 12.
Flash light device. M. D. B. Stroecker. 1,858,691; May 17.
Flash-light, Electric. D. P. A. A. Kayser. 1,876,058; Sept. 6.
Flash light gun. L. Clergy. 1,844,006–7; Feb. 9.
Flashlight, Insulated. S. W. Fraser and F. Thrasher. 1,855,015; Apr. 19.
Flash light, Pocket. F. Rauch. 1,866,600; July 12.
Flashlight safety switch. G. B. Pratt. 1,886,423; Nov. 8.
Flashlight switch. J. F. Moran. 1,874,788; Aug. 30.
Flashlight switch. G. B. Pratt. 1,869,315; July 26.
Flashlight switch. F. G. Stimson. 1,888,204; Nov. 15.
Flash light, Utility. W. J. Baker. 1,876,385; Sept. 6.
Flash removing machine. H. E. Morton. 1,854,522; Apr. 19.
Flashing. E. H. Friedrich. 1,860,240; May 24.
Flashing block. R. Saunders. 1,852,192; Oct. 11.
Flashing, Briquetted interlocking. A. S. Weinstein. 1,867,956; July 19.
Flashing, Building. G. W. Orth. 1,877,425; Sept. 13.
Flashing for roofs. W. R. Rose. 1,884,259; Oct. 25.
Flashing, Metal. E. H. Friedrich. Re18,492; June 14.
Flask; *See*—
Dental flask.
Molder's flask.
Holder flask.
Flask. C. D. Barr. 1,873,176; Aug. 23.
Flask. E. M. Guild. 1,846,720; Feb. 23.
Flask. J. F. Hines. 1,863,404; June 14.
Flask. B. Nash. Des. 87,478; Aug. 2.
Flask and drinking glass holder, Combined. S. Sciuto. Des. 87,949; Apr. 12.
Flask for manufacturing artificial dentures. R. M. Miller. 1,862,699; June 14.
Flask, Molder's. G. H. Kramer. 1,883,963; Oct. 25.
Flask shake-out. J. F. Crawford. 1,855,474; Apr. 26.
Flatiron attachment, Electric. A. T. Smith. 1,858,250; May 17.
Flatware, Spoon, knife, fork, or other article of. E. T. Beck. Des. 86,507; Mar. 15.
Flatware, Spoon, knife, fork, or other article of. L. A. Brown. Des. 86,512; Mar. 15.
Flavor dispenser cup. W. Serr. 1,889,111; Nov. 29.
Flavoring in canning, preserving, and bottling operations. G. S. Suppiger. 1,887,073; Nov. 8.
Flavor in fermented cereal beverages, Preventing formation of unpleasant. M. Hamburg. 1,843,321; Feb. 2.
Flavoring machine. S. Bramley-Moore. 1,843,647; Feb. 2.
Flavoring materials, Apparatus for dispensing. G. S. Suppiger and C. Alexander. 1,884,365; Oct. 25.
Flaw detector for irregular objects. E. A. Sperry and H. C. Drake. 1,874,067; Aug. 30.
Flexible coupling. R. G. Anderson. 1,862,355; June 7.
Flexible coupling. G. K. Bedur. 1,890,278; Dec. 6.
Flexible coupling. C. H. Clark. 1,891,915; Dec. 27.
Flexible coupling. R. A. Hinkley. 1,891,929; Dec. 27.
Flexible coupling. R. J. McLeod. 1,865,330; June 28.
Flexible coupling. A. A. Neave. 1,870,343; Aug. 9.
Flexible coupling. H. C. Whitcomb. 1,861,365; May 31.
Flexible coupling. J. J. Serrell. 1,868,544; July 26.
Flexible coupling. W. J. Smith and H. F. Braun. 1,871,227; Aug. 9.
Flexible coupling. W. E. Sykes. 1,878,730; Sept. 20.
Flexible coupling. J. H. Wolfe and C. S. Wolfe. 1,867,484; July 12.
Flexible coupling, Centrifugal. F. Schouten. 1,862,864; June 14.
Flexible coupling, Vertical. M. W. Morgan. 1,839,799; Jan. 5.
Flexible elastic coupling. W. Müller-Keuth. 1,890,332; Dec. 6.
Flexible joint. G. Flintermann. 1,869,137; July 26.
Flexible joint. J. C. Williams. 1,884,944; Oct. 25.
Flexible shaft coupling. G. Steele, S. D. Cowlishaw, and J. B. Capey. 1,887,070; Nov. 8.
Flexible suspension for rope hoisting equipment and in particular for mine cage winding. F. Otto. 1,884,981; Oct. 25.
Flexometer and testing rubber and the like, Compression. F. D. Abbott. 1,843,074; Jan. 26.
Flight, Mechanism for directing. R. H. W. Goddard. 1,879,187; Sept. 27.
Float. A. E. Davidson. 1,869,186; July 26.
Float. H. J. and W. Duff. 1,876,947; Sept. 20.
Float, Aircraft landing. H. L. Beam. 1,885,889; Nov. 1.
Float construction. G. Raymond. 1,852,372–3; Apr. 5.
Float, Fish line. M. E. Loehr. 1,870,520; Aug. 9.
Float for fishlines. A. C. Whitcomb. 1,861,366; May 31.
Float for milk drying machines, Supply-controlling. R. J. Souligne. 1,890,024; Dec. 6.
Float for steam traps, automatic water logging. J. W. Kaye. 1,880,204; Oct. 4.
Float, Rubber fishing. H. C. Foster. 1,850,748; Mar. 22.
Float, Swimming. C. D. Iris. 1,870,507; Aug. 9.
Float, Swimming. C. C. Harris. 1,873,197; Aug. 23.
Float switch. P. F. Shivers. 1,875,510; Sept. 6.
Floating and cementing device for well casings. R. C. Baker. 1,863,613; June 21.
Floating and cementing shoe. C. E. Burt. 1,882,314; Oct. 11.
Floating device, Mechanical. E. Corradino. 1,890,970; Dec. 13.
Floodlight. R. B. Benjamin. 1,880,399; Oct. 4.
Flood light, Portable. H. F. Adams. 1,847,324; Mar. 1.
Floodlight, Theater. H. T. Strong. 1,885,642; Nov. 1.
Floor and ceiling construction. G. W. Denison. 1,843,112; Feb. 2.
Floor and ceiling members for metal concrete construction. G. F. Korbraty. 1,848,357; Mar. 8.
Floor and scale construction, Combination. S. Berson. 1,883,496; Oct. 18.
Floor block and fastener therefor. C. M. MacChesney. 1,869,702; Aug. 2.
Floor, Booth. R. T. Potthoff. 1,854,222; Apr. 19.
Floor box. S. N. Buchanan. 1,869,841; Aug. 2.
Floor cleaning appliance. A. E. Moorhead. 1,854,214; Apr. 19.
Floor cleaning machine. R. A. Ponselle. 1,855,728; Apr. 26.
Floor construction. G. L. Bair. 1,872,101; Aug. 16.
Floor construction. W. P. Kellett. 1,841,819; Jan. 19.
Floor construction. H. Le Quornik and D. Salvati. 1,863,753; June 21.
Floor construction. E. A. Nelson. 1,887,875; Nov. 15.
Floor construction, Fireproof. O. S. Bowman. 1,844,310; Feb. 9.
Floor construction for sky scrapers, Light. A. H. Tashjian. 1,863,258; June 14.
Floor construction, Sound insulating. B. E. Balduf. 1,891,189; Dec. 13.
Floor covering. J. T. Baldwin. 1,856,369; May 3.
Floor covering. J. T. Baldwin. 1,858,655; May 17.
Floor covering. P. R. Bettison. 1,872,653; Aug. 23.
Floor covering. J. H. Rile. 1,890,128; Dec. 6.
Floor covering and laying same, Waterproof. J. D. Baker. 1,883,661; Oct. 4.
Floor covering and making the same. R. G. Jackson. 1,875,735; Sept. 6.
Floor covering, Smooth surfaced. J. T. Baldwin. 1,856,370–1; May 3.
Floor coverings, Embossed. J. C. McCarthy. 1,873,001; Aug. 23.
Floor cushioning means, Car. T. H. Symington. 1,884,372; Oct. 25.
Floor duct system, Under. H. S. Walker. 1,884,424; Oct. 25.

Floor jack. R. Brook. 1,851,489; Mar. 29.
Floor laying machine. R. A. Chapman. 1,851,931; Mar. 29.
Floor machine. W. S. Finnell. 1,881,431; Oct. 11.
Floor machine. A. E. Norris. 1,877,951; Sept. 20.
Floor machine. F. W. Yutzler and G. E. Kent. 1,847,323; Mar. 1.
Floor machine. F. W. Yutzler and G. E. Kent. 1,869,179; July 25.
Floor or wall structure and method of building. T. E. Murray. 1,845,760; Feb. 16.
Floor plate. K. L. Wheeler. Des. 88,185; Nov. 1.
Floor plate and stove support, Combination adjustable. C. L. Gohmann. 1,865,899; July 5.
Floor polishing machine. C. H. Beach. 1,849,218; Mar. 15.
Floor polishing machine. C. H. Beach. 1,882,270; Oct. 11.
Floor polishing machine. C. H. Beach. 1,882,471; Oct. 11.
Floor scrubbing machine. V. H. Menkhaus. 1,878,508; Sept. 20.
Floor scrubbing machine. A. H. Zucker. 1,839,824; Jan. 5.
Floor strip, Interchangeable. P. Galassi. 1,841,177; Jan. 12.
Floor strip, Terrazo. P. Galassi. 1,847,955; Mar. 1.
Floor structure. F. M. Venzie. 1,891,513; Dec. 20.
Floor structure and slabs therefor. A. Henderson. 1,891,763; Dec. 20.
Floor surfacer. C. J. Olson. 1,877,031; Sept. 13.
Floor surfacing machine. J. W. Bishop. 1,855,737; Apr. 26.
Floor surfacing machine. H. L. Fink. 1,841,368; Jan. 19.
Floor surfacing machine. C. J. Olson. 1,857,564; May 10.
Floor system. F. D. Sturges. 1,890,921; Dec. 13.
Floor, Tiled. S. W. Chaffee. 1,852,696; Apr. 5.
Floor treating machine. L. J. Bedard. 1,860,168; May 24.
Floor unit. H. H. Bunker. 1,876,042; Sept. 6.
Floor washing machine. W. C. Jerome. 1,892,347; Dec. 27.
Flooring. T. J. Dinkins. 1,866,527; July 12.
Flooring. P. Hofer. 1,877,508; Sept. 13.
Flooring. B. C. Rockwell. 1,846,658; Feb. 23.
Flooring. S. J. Wolfson. 1,889,138; Nov. 29.
Flooring and laying the same, Metallic. L. Saives. 1,888,937; Nov. 22.
Flooring and manufacturing same, Inlay. B. C. Rockwell. 1,840,974; Jan. 12.
Flooring and the like. S. J. Wolfson. 1,888,611; Nov. 22.
Flooring body, Paint surfaced. N. L. Campbell. 1,843,357; Feb. 2.
Flooring, Finishing bituminous concrete. L. S. Wilbur. 1,854,435; Apr. 19.
Flooring, Sound and heat insulating. R. W. Storm. 1,867,774; June 26.
Flooring unit. H. H. Borthwick. 1,845,579; Feb. 16.
Floral display stand. T. L. Knipe. 1,859,669–70; Nov. 29.
Floral frame. G. Glaser. 1,843,278; Feb. 9.
Floral rack or similar article. C. A. Bruning. Des. 88,627; Dec. 13.
Flotation apparatus. F. W. Maclennan. 1,847,659; Mar. 1.
Flotation apparatus, Pneumatic. M. Kraut. 1,849,146; Mar. 15.
Flotation concentrating machine. H. W. Pudan. 1,845,696; Feb. 2.
Flotation method. J. P. Ruth, jr. 1,886,979; Nov. 8.
Flotation, Method of. A. M. Gaudin. 1,879,871; Sept. 27.
Flotation process. M. S. Hansen. 1,863,013; June 14.
Flotation process. M. Schiechel. 1,859,073; Nov. 29.
Flour, Apparatus for the grading of. K. Berbeka. 1,846,783; Feb. 23.
Flour, Manufacturing soy bean. W. L. Shellabarger. 1,867,541; July 12.
Flours, Production of abrasive. S. F. Walton. 1,875,531; Sept. 6.
Flow and pressure indicating means. H. M. Nacey 1,881,862; Oct. 11.
Flow alarm. S. B. Schnitter. 1,865,795; July 5.
Flow control. S. L. Adelson. 1,866,284; July 5.
Flow control apparatus for wells. J. P. Collins. 1,888,621; Nov. 22.
Flow control head. J. J. Santiago. 1,870,590; Aug. 9.
Flow controlling apparatus. H. J. Byers. 1,880,778; Oct. 4.
Flow controlling system. A. C. Rowley. 1,874,123; Aug. 30.
Flow detector. W. B. Griffith. 1,852,999; Apr. 5.
Flow device, Intermittent. D. B. Down. 1,874,932; Aug. 30.
Flow equalizing means. C. E. Lucke. 1,883,309; Oct. 18.
Flow from collapsible tubes, Method and device for stopping and regulating. E. F. Johnson and G. R. Cruze. 1,859,397; May 24.
Flow indicator. L. H. Hill. 1,869,811; Aug. 2.
Flow meter. W. J. Crowell, jr. 1,885,184; Nov. 1.
Flowmeter. A. A. Griffith, P. S. Kerr, and F. W. Meredith. 1,864,430; June 21.
Flow meter. C. P. Sherwood. 1,889,705; Nov. 29.
Flow meter, Marine. T. R. Harrison. 1,860,777; May 31.
Flow meter, Rotary low pressure. E. S. Smith, jr. 1,846,223; Feb. 23.
Flow quantity meter. J. L. Hodgson. 1,870,849; Aug. 9.
Flow rectifier for paper stock. M. Wenzel. 1,890,634; Dec. 13.
Flower and making same, Artificial. D. C. Gockel. 1,879,677; Sept. 27.
Flower box. L. Prantl. 1,858,902; May 17.
Flowerpot. M. Maier. 1,892,157; Dec. 27.
Flowerpot. L. D. Menneli. 1,869,606; Aug. 2.
Flowerpot. T. P. Wells. 1,856,179; May 3.
Flower stand. H. E. Coombs. Des. 86,221; Feb. 16.
Flower stand. J. S. Malik. Des. 87,162; June 14.
Flower stand. I. G. Scott and M. C. Fox. Des. 87,361; July 12.
Flower stand. I. G. Scott and M. C. Fox. Des. 88,581–3; Dec. 6.
Flowers and making them, Artificial. S. M. Freese. 1,858,148; May 10.
Flowers, Packing. W. O. Roy. 1,873,666; Aug. 23.
Flowing glass. L. D. Soubles. 1,843,179; Feb. 2.
Flue cleaner. J. H. Kohler and A. Schneider. 1,887,765; Nov. 15.
Flue cleaner. P. Leone. 1,842,276; Jan. 19.
Flue cleaner. A. Rugard. 1,847,364; Mar. 1.
Flue construction. C. M. Dibble. 1,848,701; Mar. 8.
Flue construction. W. E. Stark. 1,875,946; Sept. 6.
Flue construction for kilns. R. H. Sherman and R. H. H. Pierce. 1,869,000; July 26.
Flue control. R. M. Potter. 1,849,114; Mar. 15.
Flue or vent. J. A. Stadfeld. 1,876,783; Sept. 13.
Flue or vent, Gas. J. A. Stadfeld. 1,876,357; Sept. 6.
Flue purifier. T. B. Keogh. 1,842,941; Jan. 26.
Flue reconditioning apparatus. R. C. Priest. 1,840,381; Jan. 12.
Flue spark screen. J. A. Johnson. 1,879,289; Sept. 27.
Flue structure for heating apparatus. J. P. Morley. 1,859,745; May 24.
Flue system for hot gas heated bake ovens. E. O. Engels. 1,871,309; Aug. 9.
Flue system for retort coke ovens. J. Becker. 1,876,593; Sept. 13.
Fluff removal device for looms. H. Hilker. 1,850,502; Mar. 22.
Fluid actuated brake. W. A. Eaton. 1,876,832; Sept. 13.
Fluid actuated device. H. L. Hood. 1,850,727; Oct. 4.
Fluid analysis. G. W. Smith. 1,884,896; Oct. 25.
Fluid and stabilizing same, Stabilized heating. H. H. Dow. 1,874,258; Aug. 30.
Fluid apparatus. P. van Rijswijk. 1,841,863; Jan. 19.
Fluid apparatus provided with cooperating rotary pistons. G. A. Unger. 1,846,700; Feb. 23.
Fluid, Are extinguishing. J. D. Hilliard. 1,846,868; Feb. 23.
Fluid brake. H. M. Crane. 1,883,588; Oct. 18.
Fluid brake. N. H. Hiatt. 1,842,608; Jan. 26.
Fluid breaking mechanism. A. Dewandre. 1,879,892; Sept. 27.
Fluid circulating device for boiler tubes. J. L. Gibson. 1,858,665; May 17.
Fluid composition. A. T. K. Tseng. 1,891,962; Dec. 27.
Fluid compressor. H. B. Halvorsen. 1,863,845; June 21.
Fluid conditioning method and apparatus. S. M. Anderson. 1,885,791; Nov. 1.
Fluid conductor coupling. J. Trathen. 1,878,303; Sept. 20.
Fluid contact apparatus. F. W. Speer, jr. 1,854,492; Apr. 19.
Fluid contents of cylinders, Method of and apparatus for determining the. C. Mott. 1,856,079; May 3.
Fluid control apparatus. R. J. Anschicks. 1,874,414; Aug. 30.
Fluid control device. T. W. Murphy and W. Czarnecki. 1,861,140; Jan. 12.
Fluid control device. F. A. Nemec. 1,857,321; May 10.
Fluid control device for aircraft. A. H. Evrard. 1,864,236; June 21.
Fluid control for pneumatic oil lifts. J. A. Zublin. 1,887,746; Nov. 15.
Fluid control means for cooking utensils. S. A. Haines. 1,882,821; Oct. 18.
Fluid control system. W. P. Creager. 1,873,955; Aug. 30.
Fluid control tank. J. W. White. 1,851,226; Mar. 29.
Fluid controlled system. E. A. Lowe and J. R. Hamilton. 1,869,202; July 26.
Fluid controlling device. J. Hume. 1,860,417; May 31.
Fluid controlling device. B. Krämer. 1,842,788; Jan. 26.
Fluid controlling means. K. W. Rohlin. 1,880,213; Oct. 4.
Fluid current machine, Rotatable. M. J. C. M. Thomas. 1,846,162; Feb. 23.
Fluid currents, Apparatus for recording the direction and speed of. J. M. P. Idrac. 1,865,873; June 28.
Fluid delivery. F. N. Bard. 1,849,724; Mar. 15.
Fluid, Device for controlling the flow of. R. A. Dalley. 1,852,233; Apr. 5.
Fluid, Device for handling. E. P. Grime. 1,840,713; Jan. 12.
Fluid dispensing apparatus. W. M. Griffin. Des. 86,770; Apr. 19.
Fluid dispensing apparatus. W. M. Griffin. Des. 87,780; Sept. 20.
Fluid dispensing apparatus. J. W. Hartman, jr. Des. 86,915; May 10.
Fluid dispensing can. H. W. Featherstone. 1,850,870; Mar. 22.
Fluid dispensing device. W. H. D. Brouse. 1,875,987; Sept. 6.

Fluid distribution systems, Mechanism for. B. L. P. Plantin. 1,884,983 ; Oct. 25.
Fluid driving device for actuating mechanisms having an initial idle stroke. O. Houplain. 1,865,105 ; June 28.
Fluid electrode electric discharge device. R. Rudenberg, R. G. Berthold, K. Donat, and W. Espe. 1,839,502 ; Jan. 5.
Fluid, Embalming. H. I. Jones. 1,870,123 ; Aug. 2.
Fluid equalizer for boilers. A. C. Outlaw. 1,889,693 ; Nov. 29.
Fluid flow control apparatus. P. A. Kinzie and J. L. Savage. 1,878,150 ; Sept. 20.
Fluid gauge. J. Y. Thomas and B. D. Balthis. 1,860,516 ; May 31.
Fluid flow indicator. L. E. Richmond. 1,888,737 ; Nov. 22.
Fluid flows, Mechanism for controlling a plurality of. C. H. Smoot. 1,858,689 ; May 17.
Fluid gauge. S. C. McKeown. 1,841,543 ; Jan. 19.
Fluid generator, Fluid. G. F. Bissell. 1,840,690 ; Jan. 12.
Fluid generator, Pressure. J. B. McKeown. 1,858,102 ; May 17.
Fluid gun. H. C. Mueller. 1,880,354 ; Oct. 4.
Fluid handling and controlling apparatus. P. A. Kinzie and J. L. Savage. 1,840,205 ; Jan. 5.
Fluid heater. W. F. Keenan, jr. 1,855,745 ; Apr. 26.
Fluid heater, Electric. M. E. Staley. 1,859,939 ; May 24.
Fluid heater, Sectional. H. M. Godsey. 1,868,413 ; July 19.
Fluid heating apparatus. W. F. Keenan, jr., and H. F. Eddy. 1,839,247 ; Jan. 5.
Fluid heating device. V. Kalfus. 1,885,267 ; Nov. 1.
Fluid injector. R. E. Krueger. 1,875,022-3 ; Aug. 30.
Fluid into a conduit for flowing materials, Device for use in introducing a. A. W. Forster. 1,848,122 ; Mar. 8.
Fluid level gauge, Magnetic. G. L. Straughan. 1,858,946 ; May 17.
Fluid level system for circuit breakers. J. D. Hilliard. 1,844,656 ; Feb. 9.
Fluid lift for use in wells. J. Penrod. 1,844,261 ; Feb. 9.
Fluid lift for use in wells. G. P. Slater. 1,892,636 ; Dec. 27.
Fluid lift for wells. J. Penrod. 1,845,182 ; Feb. 16.
Fluid lift, Head flowing. J. Penrod. 1,845,180-1 ; Feb. 16.
Fluid lift of liquids, Apparatus for. W. P. Haseman. 1,866,972 ; July 12.
Fluid line. D. Thoma. 1,839,616 ; Jan. 5.
Fluid meter. W. Munday. 1,887,276 ; Nov. 8.
Fluid measuring mechanism. J. W. Ledoux. 1,843,330 ; Feb. 2.
Fluid meter. H. E. Hartig and H. B. Wilcox. 1,881,543 ; Oct. 11.
Fluid meter. A. G. Holmes. 1,878,238 ; Sept. 20.
Fluid meter. J. G. Weymouth and E. M. Kreidler. 1,886,996 ; Nov. 8.
Fluid meter, Compound. H. G. Weymouth. 1,845,404 ; Feb. 16.
Fluid metering apparatus. R. H. Taylor. 1,865,050 ; June 28.
Fluid metering device. W. L. Marden. 1,856,850 ; May 3.
Fluid mixing apparatus. H. Haven. 1,845,660 ; Feb. 16.
Fluid mixing device. H. Haven. 1,845,661 ; Feb. 16.
Fluid mixing device. M. W. Stout. 1,879,582 ; Sept. 27.
Fluid mixing means. M. G. Gnau. 1,853,045 ; Apr. 12.
Fluid motor. R. J. Glass. 1,858,043 ; May 10.
Fluid motor. M. Katzenberger. 1,850,721 ; Mar. 22.
Fluid motor. V. H. Palm. 1,845,176 ; Feb. 16.
Fluid motor. A. T. Spicer. 1,850,051 ; Mar. 15.
Fluid motor. J. M. Wolf. 1,885,665 ; Nov. 1.
Fluid operated apparatus. J. W. Tatter. 1,857,413 ; May 10.
Fluid operated implement, Pressure. O. O. App. 1,880,337 ; Oct. 4.
Fluid operated means for support movements. E. J. Kearney. 1,845,797 ; Feb. 16.
Fluid operated mechanism. R. H. Thompson. 1,867,115 ; July 12.
Fluid operated switch. J. O. Gargan. 1,847,086 ; Mar. 1.
Fluid-power operating means. L. E. La Brie. 1,873,134 ; Aug. 23.
Fluid pressure actuated control mechanism. C. M. Terry. 1,855,565 ; Nov. 1.
Fluid pressure actuating mechanism. A. Turner. 1,863,076 ; June 14.
Fluid pressure applying apparatus. G. A. Schettler. 1,870,384 ; Aug. 9.
Fluid pressure brake. A. Andrikidis. 1,889,326 ; Nov. 29.
Fluid pressure brake. C. A. Campbell. 1,869,048 ; July 26.
Fluid pressure brake. E. S. Cook. 1,879,912 ; Sept. 27.
Fluid pressure brake. W. E. Dean. 1,880,864 ; Oct. 4.
Fluid pressure brake. C. C. Farmer. 1,842,517 ; Jan. 26.
Fluid pressure brake. C. C. Farmer. 1,842,519 ; Jan. 26.
Fluid pressure brake. C. C. Farmer. 1,845,492 ; Feb. 16.
Fluid pressure brake. C. C. Farmer. 1,879,671 ; Sept. 27.
Fluid pressure brake. C. C. Farmer. 1,887,590 ; Nov. 15.
Fluid pressure brake. C. C. Farmer. 1,891,671 ; Dec. 20.
Fluid pressure brake. C. C. Farmer and E. E. Hewitt. 1,879,669 ; Sept. 27.
Fluid pressure brake. F. B. Farmer. 1,891,672 ; Dec. 20.
Fluid pressure brake. M. L. Hancock. 1,860,413 ; May 31.
Fluid pressure brake. J. C. McCune. 1,865,126 ; June 28.
Fluid pressure brake. J. C. McCune. 1,879,703 ; Sept. 27.
Fluid pressure brake. J. C. McCune. 1,881,209 ; Oct. 4.
Fluid pressure brake. J. C. McCune. 1,887,597 ; Nov. 15.
Fluid pressure brake. A. Neveu. 1,881,221 ; Oct. 4.
Fluid pressure brake. T. Tarisien. 1,854,722 ; Apr. 19.
Fluid pressure brake. A. Tevva. 1,877,081 ; Sept. 13.
Fluid pressure brake. F. B. Thomas. 1,879,642 ; Sept. 27.
Fluid pressure brake. T. H. Thomas. 1,842,481-2 ; Jan. 26.
Fluid pressure brake. T. H. Thomas. 1,842,484 ; Jan. 26.
Fluid pressure control device. L. R. Williamson. 1,869,985 ; July 26.
Fluid pressure control system. E. G. McCauley. 1,860,510 ; May 31.
Fluid pressure engine. F. A. Gerling. 1,857,719 ; May 10.
Fluid pressure governing mechanism. K. Baumann and J. E. Jolley. 1,887,536 ; Nov. 15.
Fluid pressure indicator for pneumatic tires and other inflated bodies. W. Turner. 1,878,917 ; Sept. 20.
Fluid pressure indicator for pneumatic tires and other inflated bodies. W. Turner. 1,891,857 ; Dec. 20.
Fluid pressure meter. F. W. Medaugh. 1,881,213 ; Oct. 4.
Fluid pressure operated doorlock. P. R. Forman. 1,874,482 ; Aug. 30.
Fluid pressure, Producing. W. L. Avery. 1,887,880 ; Nov. 15.
Fluid pressure responsive device. C. Johnson. 1,874,704 ; Aug. 30.
Fluid pressure, System for utilizing. S. C. Radford. 1,876,620 ; Aug. 30.
Fluid pressure systems, Automatic means for regulating. D. R. Koontz. 1,876,964 ; Sept. 13.
Fluid pressure water system. P. H. Donovan. 1,889,120 ; Nov. 29.
Fluid proportioning apparatus. E. G. Duden. 1,842,153 ; Jan. 19.
Fluid pumping. E. A. Weaver. 1,847,286 ; Mar. 1.
Fluid purifying device. W. J. Hughes. 1,890,294 ; Dec. 6.
Fluid reactive device. J. Z. A. Deninson. 1,847,866 ; Mar. 1.
Fluid resistance of automobile bodies, Reducing the. E. A. Stalker. 1,871,396 ; Aug. 9.
Fluid separator. R. W. Andrews and G. D. Bradshaw. 1,884,501 ; Oct. 25.
Fluid separator. G. D. Bradshaw. 1,847,305 ; Mar. 1.
Fluid separator. G. D. Bradshaw and R. W. Andrews. 1,847,304 ; Mar. 1.
Fluid sprinkling device. V. J. Christie. 1,880,373 ; Oct. 4.
Fluid transfer device. L. N. Hampton. 1,885,436 ; Nov. 1.
Fluid transmission system, Capillary. D. D. Rosenburgh. 1,889,792 ; Dec. 6.
Fluid transmitting means for cooking and brewing utensils. S. A. Haines. 1,860,094 ; May 24.
Fluid transportation system. G. W. Saathoff. 1,873,045 ; Aug. 23.
Fluid, Treating dry cleaning. R. A. Morgen. 1,847,221 ; Mar. 1.
Fluid warmer. W. I. Carpenter. 1,873,820 ; Aug. 23.
Fluid well construction. T. E. Bryan. 1,840,694 ; Jan. 12.
Fluids, Apparatus for mixing. F. V. Hammerly. 1,867,824 ; July 12.
Fluids containing solid particles, Process and apparatus for regulating the density of. L. Berguerand. 1,843,198 ; Feb. 2.
Fluids, Device for distributing air or gases in. O. Hurliman. 1,851,251 ; Mar. 29.
Fluids, Device for measuring, regulating, and metering supply or distribution of. V. R. Abrams. 1,870,188 ; Aug. 2.
Fluids, Disposing of dangerous. R. H. Lucas. 1,864,250 ; June 21.
Fluids, Electrically charging. E. C. Littlefield. 1,854,475 ; Apr. 19.
Fluids in a still or the like, Heating. J. F. Donnelly. 1,856,061 ; Apr. 26.
Fluids, Manufacturing relatively non-inflammable cleaning. E. Langstras. 1,844,290 ; Feb. 9.
Fluids, Metering and recording the flow of. F. H. Brown. 1,843,442 ; Feb. 2.
Fluids, Method and apparatus for propelling. H. F. Hagen. 1,892,303 ; Dec. 27.
Fluids, Method of and apparatus for deodorizing and dehydrating. H. L. Murray. 1,864,849 ; June 28.
Fluids, Method of and apparatus for measuring. M. E. Benesh. 1,842,238 ; Jan. 19.
Fluids of different specific gravities, Separating. L. M. Jackson. 1,856,686 ; Nov. 3.
Fluids, Pumping. C. G. Holt. 1,852,242 ; Apr. 5.
Fluids, Treating dry cleaning. H. Miller. 1,878,287 ; Sept. 20.
Fluids used in combustion processes, Method and apparatus for proportioning. E. X. Schmidt. 1,849,335 ; Mar. 15.
Flume. A. C. Norton. 1,854,420 ; Apr. 19.
Flume. A. C. Norton. 1,878,289 ; Sept. 20.
Flume structure and building same, Concrete. O. W. Peterson, H. Keesling, and P. I. Kurtz. 1,856,589 ; May 3.
Flume supporting means. N. E. Stamm. 1,847,575 ; Mar. 1.
Fluorene. Oxidation of derivatives of. A. O. Jaeger. 1,868,531 ; July 26.

Fluorides from enamel glass smelter gases, Recovery of. G. H. McIntyre. 1,869,019; July 26.
Fluorides, Production of volatile. M. Otto and L. Bub. 1,865,204; June 28.
Fluorine, Electrolytic production of. K. Fredenhagen. 1,866,969; July 12.
Fluorine, Manufacture of. H. Krekeler. 1,863,661; June 21.
Fluorine, Production of. K. Fredenhagen. 1,888,118; Nov. 15.
Flush-in. J. Werner. 1,878,613; Sept. 20.
Flush-oil. M. Fetterman. 1,847,952; Mar. 1.
Flush tank. A. E. Cobb. 1,850,447; Mar. 22.
Flush tank. E. Heaney. 1,887,512; Nov. 15.
Flush tank, Water closet. B. O. Tilden. Des. 87,137; June 7.
Flushing apparatus. W. Taylor. 1,880,296–7; Oct. 4.
Flushing arm for sanitary water closet attachments. F. Guidetti and G. Bontempi. 1,872,278; Aug. 16.
Flushing device. W. J. Collison. 1,842,715; Jan. 26.
Flushing tank. H. F. Kobler and F. G. Brotz. Des. 87,527; Aug. 9.
Flux box gate. V. P. Wendle. 1,883,427; Oct. 18.
Flux for brazing and welding. I. T. Hook. 1,848,884; Mar. 8.
Flux, Soldering. A. J. Saukaitis. 1,882,567; Oct. 11.
Flux, Welding. J. W. Meadowcroft. 1,844,969; Feb. 16.
Fly, Air body trout. F. L. Pysher. 1,842,490; Jan. 26.
Fly frame. C. Gégauff. 1,846,715; Feb. 23.
Flyer for spinning machines and the like. H. C. Herr. 1,854,470; Apr. 19.
Flyer for spinning machines and the like. H. C. Herr. 1,854,819; Apr. 19.
Flyer for spinning machines and the like. H. E. Herr. 1,854,684; Oct. 25.
Flyer spindle. H. Sanders. 1,845,443; Feb. 16.
Flying cutter. F. C. Biggert, jr. 1,876,838; Sept. 13.
Flying cutter. J. A. Smitmans. 1,877,072; Sept. 13.
Flying device. W. Goodrich. 1,845,913; Feb. 16.
Flying machine. H. L. Adams. 1,888,418; Nov. 22.
Flying machine. W. J. Buchanan. 1,840,152; Jan. 5.
Flying machine. L. Burkhart. 1,877,474; Sept. 13.
Flying machine. J. Chodur. 1,841,788; Jan. 19.
Flying machine. T. A. Dring. 1,864,012; June 21.
Flying machine. J. J. Henry. 1,839,566; Jan. 5.
Flying machine. T. A. E. Lake. 1,890,059; Dec. 6.
Flying machine. H. M. Leonard. 1,857,964; May 10.
Flying machine. F. A. Meng. 1,877,003; Sept. 13.
Flying machine. W. Moszczynski. 1,891,941; Dec. 27.
Flying machine. W. Rieseler and W. Kreiser. Re18,358; Feb. 23.
Flying machine. S. Rosenberg. 1,869,867; Aug. 2.
Flying machine. L. A. Sanders. 1,855,652; Apr. 26.
Flying machine. A. Soldenhoff. 1,848,752; Mar. 8.
Flying machine. H. J. Werner. 1,893,712; Nov. 29.
Flying machine. P. N. Willoughby. 1,881,008; Oct. 4.
Flying machine and airship, Combination. M. Hines. 1,869,256; July 26.
Foam, Apparatus for making. G. M. Thomson. 1,885,785; Nov. 1.
Foam breaker. J. F. Harkom. 1,847,648; Mar. 1.
Foam cell. F. J. Gough. 1,840,443; Jan. 12.
Foam distributing apparatus. O. D. King. 1,876,425; Sept. 6.
Foam distributing means. B. A. Moeller. 1,889,101; Nov. 29.
Foam extinguishing system. G. H. Harris. 1,885,258; Nov. 1.
Foam from foam developing substances, Producing. R. Schnabel. 1,874,209; Aug. 30.
Foam products, Producing. H. Burmeister. 1,889,236; Nov. 29.
Foam reducing apparatus. J. N. Jacobsen. 1,859,827; May 24.
Foamy body adapted to be used in making cellular concrete, Producing a. J. A. Rice. 1,856,294; May 3.
Focusing and exposure device, Combination. A. J. Ginsberg. 1,854,422; Apr. 19.
Focusing device. F. C. Parker. 1,854,665; Apr. 19.
Focusing device for cameras. C. Bornmann. 1,885,982; Nov. 1.
Focusing device for cinematographic view taking apparatus. A. L. V. C. Debrie. 1,855,128; Apr. 19.
Focusing device for electric lamps. P. Rathmann. 1,849,506; Mar. 15.
Focusing of microscope tubes, Device for fine. H. Hemscheidt. 1,887,095; Nov. 8.
Fog signaling device for airplanes. W. C. Ocker. 1,882,087; Oct. 11.
Foil and attaching same, Metal. S. Greenhouse. 1,882,899; Oct. 11.
Foil lined bag. T. M. Avery. 1,885,670; Nov. 1.
Foil from bottles, Removal of. C. W. Griffin and L. P. Sinz. 1,854,301; Apr. 19.
Foil from bottles, Removing. C. W. Griffin, D. Schmid, and L. P. Sinz. 1,864,592; June 28.
Foil remover. A. P. Hoffman. 1,865,338; June 14.
Foldable stand. G. Lidseen. 1,876,983; Sept. 13.
Foldable table. W. C. Collignon. 1,885,685; Nov. 1.
Folded box. C. S. Andrews. 1,857,270; May 10.
Folded box. C. F. Wellman. 1,859,903; May 24.
Folder, Advertising. C. Blum and E. C. Moore, jr. 1,871,774; Aug. 16.
Folder, Advertising. M. G. Koehrman. 1,891,353; Dec. 20.
Folder, File. F. E. Rupf. 1,891,558; Dec. 20.
Folder, Filing. C. J. Walker. 1,880,549; Oct. 4.
Folder for antisqueak material. F. B. McIlroy. 1,877,001; Sept. 13.
Folder for printing machines. A. M. Zuckerman. 1,885,313; Nov. 1.
Folder for sewing machines. R. J. Sailer. 1,884,271; Oct. 25.
Folder for web printing machines. F. Lamatsch. 1,868,109; July 19.
Folder roller adjusting device. H. C. Jordhoy. 1,840,319; Jan. 12.
Folder-separator. P. E. Lammerich. 1,866,812; July 12.
Folder, Single needle joining. H. W. Beck and R. M. Bell. 1,850,447; Dec. 1.
Folder, Web. D. W. Hudson. 1,869,694; Aug. 2.
Folding and delivery mechanism. H. A. W. Wood. 1,883,224; Oct. 18.
Folding armchair. W. C. Rastetter. 1,879,487; Sept. 27.
Folding board. J. P. Doman. 1,881,047; Oct. 4.
Folding box. C. S. Andrews. 1,883,323; Oct. 18.
Folding box. H. E. Cole. 1,850,829; Mar. 22.
Folding box. R. H. Filmer. 1,855,045; Apr. 19.
Folding box. D. Levkoff. 1,874,705; Aug. 30.
Folding box. P. H. Prüfer. 1,853,253; Apr. 12.
Folding box. G. Zenick. 1,845,471; Feb. 16.
Folding card table. J. W. Beiger. 1,873,263; Aug. 23.
Folding chair. R. Appleton. 1,849,120; Mar. 15.
Folding chair. J. E. Bales. 1,843,263; Feb. 2.
Folding chair. G. W. Hambrook. 1,846,392; Feb. 23.
Folding chair. H. Howe. 1,854,194; Apr. 19.
Folding chair. H. Howe. 1,871,524; Aug. 16.
Folding chair. J. Karwoski. 1,845,921; Feb. 16.
Folding chair. J. C. Kemp. 1,885,240; Nov. 1.
Folding chair. A. S. Kux. 1,873,768; Aug. 23.
Folding chair. J. D. Lawrence. 1,841,744; Jan. 19.
Folding chair. C. Liberman. 1,865,323; June 28.
Folding chair. C. J. Marson. 1,842,793; Jan. 26.
Folding chair. W. Nahrwold. 1,859,628; May 24.
Folding chair. V. Ruiz. 1,892,166; Dec. 27.
Folding chair. J. Silverman. 1,844,077; Feb. 9.
Folding chair. J. Silverman. 1,880,365; Oct. 4.
Folding chair, Universal. J. C. Moore. 1,864,750; June 28.
Folding display. H. R. Howard. 1,853,615; Apr. 12.
Folding gate. M. Martinez. 1,852,331; Apr. 5.
Folding machine. W. W. Davidson. 1,843,763; Feb. 2.
Folding machine. T. N. Deligianes and A. A. Bourdes. 1,867,909; July 19.
Folding machine. P. R. Glass. 1,889,242; Nov. 29.
Folding machine. F. S. Glines. 1,840,624; Jan. 12.
Folding machine. L. M. Kahn. 1,878,404; Sept. 20.
Folding machine. E. B. Kurtz. 1,892,203; Dec. 18.
Folding machine. J. Schmiedel. 1,889,574; Nov. 29.
Folding machine. R. J. Waterworth. 1,883,152; Oct. 18.
Folding machine. G. B. Willing. 1,850,979; Mar. 22.
Folding machine. H. A. W. Wood. 1,878,745; Sept. 20.
Folding machine. H. A. W. Wood. 1,889,459; Nov. 29.
Folding machine and method. S. Sokolow and J. Preston. 1,858,565; May 17.
Folding machine for folding letters, printed matter, or the like. E. Weichselbaum. 1,843,648; Feb. 2.
Folding mechanism. C. S. Crafts. 1,857,114; May 3.
Folding mechanism. H. Howe. 1,882,610; Oct. 11.
Folding mechanism. Newick. 1,886,832; Nov. 8.
Folding mechanism. H. A. W. Wood. 1,883,226; Oct. 18.
Folding mechanism for packaging machines. W. B. Bronander. 1,875,986; Sept. 6.
Folding seat. W. F. Caspar. 1,849,864; Mar. 15.
Folding stand. W. W. Horn. 1,858,085; May 10.
Folding structure. W. C. Baxter. 1,847,497; Apr. 12.
Folding structure. W. C. Rastetter. 1,865,139; June 28.
Folding table. W. H. Bersenbrugge. 1,888,651; Nov. 22.
Folding table. W. M. Bossuing. 1,874,487; Sept. 6.
Folding table. A. F. Costa. 1,876,274; Sept. 6.
Folding table. C. B. Cowdin. 1,854,887; Apr. 19.
Folding table. E. E. Duvall. 1,879,668; Sept. 27.
Folding table. C. M. Flink. 1,877,654; Sept. 13.
Folding table. A. R. C. Hourd. 1,869,693; Aug. 2.
Folding table. J. A. Kehrer. 1,859,588; May 24.
Folding table. R. E. Kennedy. 1,847,344; Mar. 1.
Folding table. C. H. McCaslin. 1,876,999; Sept. 13.
Folding table. G. W. Noonan. 1,886,217; Nov. 1.
Folding table. J. R. O'Williams. 1,879,949; Sept. 27.
Folding table. C. G. Passanante. 1,889,694; Nov. 29.
Folding table. H. H. Root. 1,882,939; Oct. 18.
Folding table. I. Schauer. 1,850,636; Mar. 22.
Folding table. J. Silverman. 1,872,833; Aug. 23.
Folding table. J. Silverman. 1,875,269; Aug. 30.
Folding table. A. L. Stevens. 1,873,734; Aug. 30.
Folding table. W. C. Uline. 1,858,253; May 17.
Folding table. L. R. Vinding. 1,884,411; Oct. 25.
Folding table. M. A. Wilkinson. 1,879,649; Sept. 27.
Folding table. L. S. Williams. 1,890,710; Dec. 13.
Folding table, Automatic. J. J. and M. A. Wilkinson. 1,859,121; May 17.
Follower. J. C. Garand. 1,859,558; May 24.
Font of letters and numerals. L. A. Macklanburg. Des. 87,669; Aug. 30.
Font of type. L. S. Williams. Des. 86,068; Jan. 19.
Font of type or a similar article. H. S. Tabor. Des. 87,319; July 5.

Food accessory compound. L. A. Tuvin. 1,891,697; Dec. 20.
Food accessory compound, Producing a. L. A. Tuvin. 1,891,698; Dec. 20.
Food and other products with high frequency oscillations, Treating. F. E. Hoermann. 1,863,222; June 14.
Food, Apparatus for cooking. E. M. Simonds. 1,892,169; Dec. 27.
Food breaker. C. J. Schneider. 1,858,790; May 17.
Food chopper. M. C. Dellinger. 1,867,657; July 19.
Food chopper. W. R. Rush. 1,889,381; Nov. 29.
Food chopping machine. A. C. Van Hooydonk. 1,865,545; July 5.
Food compound. F. H. Hoffman. 1,890,180; Dec. 6.
Food compound. L. V. Strasburger. 1,876,090; Sept. 6.
Food compounds, Making. M. J. Bridgman. 1,856,206; May 3.
Food confection. M. K. Heisler. 1,859,206; May 17.
Food cooler. A. Veilleux. 1,868,933; July 26.
Food freezing. D. K. Warner. 1,884,429; Oct. 25.
Food handling apparatus. H. L. Johnston. 1,851,583-4; Mar. 29.
Food handling apparatus. D. A. Meeker. 1,864,209; June 21.
Food handling apparatus. T. F. Rataiczak and J. C. Slager. 1,872,004; Aug. 16.
Food handling mechanism for cooking machines. H. R. Brand. 1,869,540; Aug. 2.
Food leavening composition. L. Weil. 1,847,799; Mar. 1.
Food, Making a vendable. E. H. Miles and G. Reilly. Re18,523; July 12.
Food, Manufacturing puffed cereal. R. W. Scanlan. 1,890,597; Dec. 13.
Food mixer. G. N. Fryer. Des. 87,914; Oct. 11.
Food mixing apparatus. D. A. Meeker. Des. 86,505; Mar. 8.
Food mixing machine. A. F. Wentworth. 1,852,764; Apr. 5.
Food pack. J. M. Hart and M. P. Chaplin. 1,866,408; July 5.
Food package. J. R. Longstreet. 1,847,345; Mar. 1.
Food package. Refrigerated. C. L. Lohner and J. E. Cooper. 1,856,629; May 3.
Food package, Sanitary. W. W. Hartman and R. A. Steps. 1,866,036; July 5.
Food preparation. H. B. Drosin. 1,855,948; Apr. 26.
Food preparing and delivery machine. H. R. Brand. 1,848,104; Mar. 8.
Food preparing machine. H. R. Brand. 1,869,539; Aug. 2.
Food preparing machine. H. R. Brand. 1,869,541; Aug. 2.
Food press. C. Andrews. 1,874,412; Aug. 30.
Food product. W. J. Deichler. 1,890,455; Dec. 13.
Food product. C. N. Frey, E. B. Brown and C. Craig. 1,854,929-30; Apr. 19.
Food product. C. Hartman. 1,873,709; Aug. 23.
Food product. G. H. Joseph. 1,842,673; Jan. 26.
Food product. S. Musher. 1,841,842; Jan. 19.
Food product and making same. G. D. Turnbow. 1,878,203; Sept. 20.
Food product and producing the same. S. Jordan. 1,859,240; May 17.
Food product. New. C. H. Parsons. 1,852,259; Apr. 5.
Food products. P. H. Bolton. 1,871,641; Sept. 13.
Food products, Apparatus for freezing. J. G. Souther. 1,870,198; Sept. 20.
Food products, Apparatus for treating. W. De Back and G. S. Sells. 1,883,606; Oct. 18.
Food products, Apparatus for treating. J. Schmidt. 1,848,225; Mar. 8.
Food products in containers, Sterilizing. A. L. Kronquest. 1,863,447; June 14.
Food products, Making chilled. L. Hicks. 1,869,810; Aug. 2.
Food products, Production of jelly like. W. A. Rooker and V. E. Speas. 1,842,768; Jan. 26.
Food products, Stabilizing. G. Grindrod. 1,854,189; Apr. 19.
Food server. L. Z. Newcomb. 1,881,873; Oct. 11.
Foodstuffs and means therefor, Sharp freezing. A. Giger. 1,847,956; Mar. 1.
Foodstuffs, Apparatus for freezing. J. J. Barry. 1,855,467; Apr. 26.
Foodstuffs, Apparatus for preserving natural. F. B. Knezynski. 1,859,147; May 17.
Food stuffs such as meat and fish, Apparatus for treating. R. Elbe. 1,891,873; Dec. 20.
Food, Treating with fluid currents, Apparatus for processing. F. Seaver. 1,878,297; Sept. 20.
Food substance from cocoa, sugar, and water, Making a. H.-A. Schweigart. 1,887,905; Nov. 15.
Food substances, Apparatus for sterilizing. H. W. Rohde. 1,888,472; Nov. 22.
Foods. H. H. Sweet. 1,868,183; July 19.
Foot abnormalities, Compensating for. D. J. Morton. 1,847,973; Mar. 1.
Foot appliance. H. J. Gluckman. 1,864,999; June 28.
Foot appliance. R. J. B. Smith. 1,870,029; Aug. 2.
Football, basket ball, and the like. C. Coles. 1,870,604; Aug. 9.
Football, basket ball, and the like. M. Scudder. 1,863,170; June 14.
Foot control for mechanically operated gas and smoke discharge systems for daylight holdup robberies. F. J. Bridgeman. 1,890,671; Dec. 13.
Foot feed, Double. H. McIntyre. 1,889,685; Nov. 29.
Foot gage, Adjustable presser. J. Chudner. 1,852,952; Apr. 5.
Footgear, Treading surface for. O. Schlappig. 1,853,748; Apr. 12.
Foot impressions, Device for taking. A. Lettermann. 1,856,394; May 3.
Foot lift for tractor plows. A. Krokenberger. 1,890,389; Dec. 6.
Foot measuring device. J. Pletzuch. 1,873,663; Aug. 23.
Foot pad. J. F. Flynn. 1,867,142; July 12.
Footpad. G. L. Skillen. 1,851,778; Mar. 29.
Footplate for locomotives. L. L. Neebe. 1,867,466; July 12.
Foot protection, Device for. A. A. Strauss. 1,867,036; July 12.
Foot rest. W. E. Fink. 1,854,128; Apr. 12.
Foot rest. L. D. Gibson. Des. 86,620; Jan. 19.
Foot rest. M. Shear. 1,839,604; Jan. 5.
Foot rest, Auxiliary. W. Gowie. 1,872,444; Aug. 16.
Foot rest for furniture legs, Sanitary. L. De Cicco. 1,875,371; Sept. 6.
Foot supporting means. W. M. Scholl. 1,864,949; June 28.
Foot valve extractor. J. B. Holtson. 1,841,031; Jan. 12.
Footwear. A. F. Bancroft. 1,890,200; Dec. 6.
Footwear. R. T. Dawes. 1,862,592; June 21.
Footwear. R. L. Gogin. 1,841,328; Jan. 12.
Footwear. M. Gustin. 1,877,724; Sept. 13.
Footwear. E. C. Hitchcher. 1,850,389; Oct. 4.
Footwear. J. J. Lista Fraga. 1,844,773; Feb. 9.
Footwear. G. E. Museback. 1,850,977; Mar. 22.
Footwear. C. A. Walsh. 1,854,969; Apr. 19.
Footwear. F. A. Wood. 1,892,596; Dec. 27.
Footwear and making same. H. D. Rice. 1,870,870; Aug. 9.
Footwear and making the same. I. W. David. 1,869,410; Aug. 2.
Footwear and making the same, Knitted. E. N. Joha. 1,886,172; Nov. 15.
Footwear, Apparatus for molding. W. R. Dow. 1,885,337; Nov. 1.
Footwear, Apparatus for molding and curing. C. H. R. Collins. 1,855,098; Apr. 19.
Footwear, Article of. H. P. Manville. 1,840,241; Jan. 5.
Footwear attachment. F. L. Simonton. 1,862,438; June 7.
Footwear construction, Pneumatic. J. C. Keller. 1,884,725; Oct. 25.
Footwear cushion. E. Baird. 1,880,654; Oct. 4.
Footwear, Making. P. Y. Smiley. 1,885,383; Nov. 1.
Footwear, Manufacture of rubber. J. B. Crockett. 1,867,879-80; July 19.
Footwear, Manufacturing. R. J. Ford. 1,871,313; Aug. 9.
Footwear, Production of hot vulcanized. D. F. Wilhelmi. 1,863,954; June 21.
Footwear, Rubber soled. H. McGhee. 1,839,984; Jan. 5.
Force amplifying means. W. R. Spiller. 1,862,718; June 14.
Force damping device. I. W. Sprink and J. B. Nordholt. 1,847,449; Mar. 1.
Force feed lubricator. L. W. Drott. 1,880,902; Oct. 4.
Force feed lubricator. J. E. Groven. 1,853,765; Apr. 12.
Force feed lubricator. W. E. Snyder. 1,874,211; Aug. 30.
Forebearth. J. F. Black. 1,890,174; Dec. 6.
Fore die adjuster, Lateral. L. Borton. 1,839,370; Jan. 5.
Forged articles, Apparatus for making. H. N. Anderson. 1,892,030; Dec. 27.
Forging. C. Benedetto. 1,857,708; May 10.
Forging machine. A. L. Bausman and E. D. Rapisarda. 1,874,158; Aug. 30.
Forging machine. T. C. Sheehan and J. E. Drew. 1,867,331; July 12.
Forging machine, Automatic. H. F. Johnson. 1,882,362; Oct. 11.
Forgings, Making cupped. R. A. Mitchell. 1,886,210; Nov. 1.
Fork; *See*—
Dumping fork. Hay fork.
Ejector fork. Tuning fork.
Grapple fork.
Fork or other article of flatware. P. Smed and F. W. Stark. Des. 86,553; Mar. 15.
Fork or similar article, Table. E. T. Beck. Des. 86,009; Jan. 19.
Form, Adjustable box. R. A. Squier. 1,871,283; Aug. 9.
Form, Adjustable bust. L. Cella. 1,880,795; Oct. 4.
Form, Adjustably extensible shoe. W. B. Conner. 1,849,753; Mar. 15.
Form, Advertising sheet. G. S. Kehl. 1,850,883; Mar. 22.
Form and platen for use in printing and embossing presses. R. P. Link. 1,843,035; Jan. 26.
Form and sheet metal lath, Sheet metal. T. J. Fraber. 1,871,976; Aug. 16.
Form and structure, Concrete. F. J. Mead. 1,874,830; Aug. 30.
Form apparatus, Concrete. P. Beghetti. 1,875,366; Sept. 6.
Form, Box. L. H. Turner. 1,852,196; Apr. 5.
Form, Bust. G. M. P. Yerkes. 1,845,011; Feb. 16.
Form, Cable grip. E. E. Kellems. 1,881,659; Oct. 11.
Form, Carbon attached printed. M. Hopp. 1,849,715; Mar. 15.
Form clamp. G. B. Bosco. 1,849,397; Mar. 15.
Form, Collapsible. H. Benke. 1,853,192; Apr. 12.

Form, Concrete. O. K. Jones. 1,875,463; Sept. 6.
Form, Concrete. C. A. Smith. 1,858,644; May 17.
Form, Construction. J. A. Dickerson. 1,879,738; Sept. 27.
Form construction for concrete curbs. A. S. Wolf. 1,839,286; Jan. 5.
Form-cutter roll. J. C. and R. D. Shaw. 1,861,456; June 7.
Form delineating apparatus, Human. L. A. Santin. 1,846,528; Feb. 23.
Form, Distribution and analysis accounting. H. C. Davis. 1,873,997; Aug. 30.
Form drying. F. Bregenhelm. 1,846,103; Feb. 23.
Form, Expansible shoe. W. J. De Witt. 1,847,296; Mar. 1.
Form, Expansible toe. W. J. De Witt. 1,874,924; Aug. 30.
Form, Expansion joint. W. P. Mautz and F. B. Oren. 1,870,130; Aug. 2.
Form, Extensible shoe. W. B. Conner. 1,849,751–2; Mar. 15.
Form for building columns and beams. W. G. Venard. 1,861,766; June 7.
Form for concrete columns. F. V. Schubert. 1,871,919; Aug. 16.
Form for concrete walls. D. F. Miller. 1,851,399; Mar. 29.
Form for drying hosiery and the like. E. J. Berger. 1,858,658; May 17.
Form for drying hosiery and the like. W. Bock. 1,841,706; Jan. 19.
Form for drying hosiery and the like. J. W. Dennis. 1,876,631–2; Sept. 13.
Form for drying, stretching, and pressing, Stocking and sock. J. Pucunas. 1,876,344; Sept. 6.
Form for felted fibrous receptacles. R. E. Hall. 1,853,349; Apr. 12.
Form for glove dipping, Pneumatic. P. H. Watkins. 1,831,005; Oct. 3.
Form for hosiery and the like, Drying and shaping. W. Bock and H. W. Matthews. 1,868,875; July 26.
Form for making reproof floor constructions. C. E Gruber. 1,864,043; June 21.
Form for printing machines, Slug holding. E. L. Mueller. 1,854,37; Apr. 19.
Form for rolling mills, Constructional. R. Kronenberg. 1,882,507; Oct. 11.
Form for sash, metal windows in concrete, Adjustable. A. Roedig. 1,881,971; Oct. 11.
Form for shaping and drying hosiery and the like. J. W. Dennis. 1,876,630; Oct. 25.
Form for staved containers, Setting up. O. L. Bartlett. 1,861,293; May 31.
Form for the manufacture of rubber articles. E. Hazell. 1,881,021; Oct. 4.
Form, Garment. A. J. Canfield. 1,852,604; Apr. 5.
Form, Grave. B. McElroy. 1,851,052; Mar. 29.
Form, Grave. B. McElroy. 1,879,375; Sept. 27.
Form, Hat. R. J. Copeland. 1,845,076; Feb. 16.
Form, Hat. M. Lowenthal and J. Kalvin. 1,856,921; May 3.
Form, Hat. F. Pertot. 1,863,123; June 14.
Form, Hat. E. B. Wilson. 1,839,940; Jan. 5.
Form-holding device for caps or like headwear. A. Gagne. 1,877,452; Sept. 13.
Form, Hosiery. C. A. Batchelder. 1,864,788; June 28.
Form, Hosiery drying. P. Guggenheim. 1,846,102; Feb. 23.
Form, Hosiery drying. H. E. Katzenmoyer. 1,859,096; May 17.
Form, Hosiery drying. C. Loven. 1,860,042; May 24.
Form letter for incorporation in a molded base. L. H. Campbell. 1,850,702; Oct. 4.
Form of the kind used in office work. H. Leschhorn. 1,866,980; July 12.
Form or core, Tire building. R. L. Bruck. 1,879,063; Sept. 27.
Form, Printing. F. Fuchs. 1,849,452; Mar. 15.
Form, Probby. S. David. 1,891,589; Dec. 20.
Form, Building. G. W. Williams. 1,887,668; Nov. 15.
Form, Building block and wall. M. Skolnik. 1,890,532; Dec. 13.
Form, Concrete building. H. C. Riesbol. 1,888,181; Nov. 15.
Form, Collapsible tire building. F. L. Johnson. 1,890,785; Dec. 13.
Form construction, Concrete. C. F. Wertz. 1,887,385; Nov. 15.
Form, Dress. N. Hoffman. 1,889,659; Nov. 29.
Form for casting columnar or boxed shaped concrete structures such as chimneys, silos and the like, Sliding. C. P. Jessup. 1,881,161; Oct. 18.
Form, Hosiery drying. T. W. Prosser, J. H. Wahlbeck, and R. L. Mittelstadt. 1,885,289; Nov. 1.
Form roller fitting device for Kelly printing presses. A. M. Finver. 1,876,891; Sept. 13.
Form, Shaping and drying. C. H. Reumann and H. H. Wigglesworth. 1,884,237; Oct. 25.
Form, Shirt. J. Small. 1,880,027; Sept. 27.
Form, Shoe. W. J. De Witt. 1,839,204; Jan. 5.
Form, Shoe. W. J. De Witt. 1,853,801; Apr. 12.
Form, Shoe. W. J. De Witt. 1,856,750; May 3.
Form, Shoe. W. J. De Witt. 1,861,657; June 7.
Form, Shoe. W. J. De Witt. 1,866,018; July 5.
Form, Shoe. W. J. De Witt. 1,870,839; Aug. 9.
Form, Shoe. W. J. De Witt. 1,874,923; Aug. 30.
Form, Shoe. W. J. De Witt. 1,891,900; Dec. 27.
Form, Shoe. H. A. Enrich. 1,853,896; Apr. 12.
Form, Shoe. A. G. Legge. 1,849,097–8; Mar. 15.
Form, Shoe. A. G. Legge. 1,865,117; June 28.
Form, Side. W. J. De Witt. 1,839,887; Dec. 6.
Form, Sole-molding. M. L. Dodge. 1,868,526; July 26.
Form support and spacer, Combined. W. J. Ferry. 1,882,606; Oct. 11.
Form, Taxidermist's body. A. Paladin. 1,844,592; Feb. 9.
Form, Tie. E. H. Haubrook. 1,892,272; Dec. 27.
Form tie. T. C. Schenk. 1,857,610; May 10.
Form tie for wall structures. L. Lampert. 1,850,402; Mar. 22.
Form, Tile and pipe. C. W. Hatfield. 1,856,834; May 3.
Formaldehyde and carbamide and making same, Condensation products of. A. Gams and G. Widmer. 1,854,896; Apr. 19.
Formaldehyde, Producing. A. E. Craver. 1,851,754; Mar. 29.
Formaldehyde solutions, Concentrating. F. Walker. 1,871,019; Aug. 9.
Formation testing. J. C. Fortune. 1,853,557; Apr. 12.
Formation testing and well flowing device. E. H. Campbell. 1,889,772; Dec. 6.
Formations, Determination of subsurface. J. C. Karcher. 1,843,725; Feb. 2.
Forming apparatus. J. Maier. 1,866,895; July 12.
Forming and attaching separable fastener elements. G. Johnson. 1,891,989; Dec. 27.
Forming device. W. D. Morrison. 1,846,349; Feb. 23.
Forming device. W. D. Morrison. 1,879,411; Sept. 27.
Forming machine. J. Moore. 1,888,803; Nov. 22.
Forming machine for plastic material. G. H. Petri. 1,849,097; Feb. 16.
Forming machine, Glassware. T. A. Bragg. 1,885,409; Nov. 1.
Forms, Apparatus for making manifold. L. J. Willard. 1,892,496; Dec. 27.
Forms, Connecting and aligning device for road rail. E. T. Hanrold. 1,845,549; Jan. 26.
Forms from molds, Device for removing. R. M. Kerr. 1,863,445; June 14.
Forms, Make-up device for printing. R. C. Linton. 1,851,675; Mar. 29.
Forms, Making hollow shoe. S. A. Eddins and G. M. Hannigan. 1,880,920; Oct. 4.
Forms, Mechanism for feeding and aligning multiple printed. R. A. Lake. 1,884,760; Oct. 25.
Forms or threads fast to water and easily dyed and making same, Artificial. F. Straub. 1,856,033; Apr. 26.
Foundation, Building. W. P. Joy, J. A. Amend, and E. Frauenfelder. 1,891,934; Dec. 27.
Foundation construction and erecting the same, Stabilized. L. B. Collins. 1,868,494; July 26.
Foundation of pneumatic tires, Apparatus for making the. H. Willshaw, W. H. Cowles, and H. Smith. 1,892,024; Dec. 27.
Foundation soil to building structures and the structure produced thereby, Connecting solidified. W. Sichardt and C. Zemlin. 1,846,815; Feb. 23.
Foundry core and binder therefor. J. M. Sampson. 1,867,382; July 12.
Foundry facing. B. F. Wallace. 1,868,646; July 26.
Foundry facing and applying same to molds. B. F. Wallace. 1,845,371; Feb. 16.
Foundry molding machine of roll-over type. T. W. Bullock. 1,890,933; Dec. 13.
Foundry sand aerating machine. A. C. Christensen. 1,850,237; Oct. 4.
Fount and feeder, Poultry. H. J. Barker. 1,872,645; Aug. 23.
Fount, Oil. R. A. Currle. 1,858,884; May 17.
Fountain: *See*—
Drinking fountain.
Illuminated fountain.
Ornamental fountain.
Paste fountain.
Portable electric fountain.
Poultry fountain.
Watering fountain.
Fountain. F. C. Bauer. 1,888,784; Nov. 22.
Fountain and ice cream cabinet, Soda. W. F. Delzer. 1,890,641; Dec. 13.
Fountain apparatus, Drinking. C. Roberge. 1,875,658; Sept. 6.
Fountain comb. P. Fotza. 1,891,471; Dec. 20.
Fountain comb. L. S. Rice. 1,888,570; Nov. 22.
Fountain comb. E. W. Starr. 1,876,033; Sept. 6.
Fountain construction for printing presses. A. J. Munson. 1,888,240; Nov. 22.
Fountain for baby chicks, Drinking. E. B. Hearn. 1,851,278; Mar. 29.
Fountain for poultry, Drinking. L. Morin. 1,863,410; June 14.
Fountain pen. R. T. Griffiths. 1,885,344; Nov. 1.
Fountain pen desk stand. S. L. Daugherty. 1,875,425; Sept. 6.
Fountain washing device. H. C. Myers. 1,858,055; May 10.
Fountainette. S. Brandfon and J. F. Katz. Des. 87,826; Sept. 27.
Fountains, Apparatus for applying reducing agents to printing. P. Scherrer. 1,861,142; May 31.
4-amino-2-halo-diphenylethers and preparing same. E. F. Grether. 1,881,074; Oct. 4.

Four cylinder engine, Manifolding. J. W. Swan, 1,851,601; Mar. 29.
4-dimethylamino-1-phenyl-2,3-dimethyl-5-pyrazolone with one of the esters of p-aminobenzoicacid and the products, Combined. B. and M. Reuter. 1,851,917; Oct. 4.
4'-methyl-6-halogen thiolndigos and their 6'-halogen derivatives. R. Herz and W. Brunner. 1,841,441; Jan. 19.
4-nitroso-1-phenyl-2,3-dimethyl-5-pyrazolone. Reduction of. L. Freedman and A. E. Sherndal. 1,877,166; Sept. 13.
4-Ply stock on 3-roll calenders, Method of and apparatus for making. H. O. Hutchens and A. R. Krause. 1,866,807; July 12.
Fourdrinier machine. L. L. Lapeyrouse. 1,853,625; Apr. 12.
Fourdrinier machine. E. J. McDonnell. 1,856,347; May 3.
Fourdrinier machine. J. A. White. 1,885,164; Nov. 1.
Fourdrinier machine, Yankee. H. R. Farnsworth. 1,858,546; May 17.
Fourdrinier machines, Take-up for. J. A. White. 1,885,163; Nov. 1.
Fowl feather picking apparatus and process. O. W. Swanson. 1,882,228; Nov. 29.
Fowls, Device for preventing feather-pulling in. J. Kosten and F. Zuidema. 1,877,897; Sept. 20.
Foxing applying machine. S. J. Finn. 1,863,747; June 21.
Foxing applying machine. F. D. Kinney. 1,839,227; Jan. 5.
Foxing-cementing machine. S. J. Finn. 1,863,900; June 21.
Fractionating system. D. A. Monro. 1,871,819; Aug. 16.
Fractionators, Improvement in. F. Van Acker. 1,876,800; Sept. 13.
Fracture appliance. E. A. Bryant. 1,865,827; July 5.
Fracture operating table. G. W. Hawley. 1,892,304; Dec. 27.
Frame: *See*—
Airplane frame.
Automobile frame.
Bag frame.
Box-easel picture frame.
Brood frame.
Buck and wood frame.
Building frame.
Cap frame.
Car frame.
Curtain drying frame.
Cross winding frame.
Designing frame.
Dialyzer frame.
Display frame.
Double leg frame.
Embroidery frame.
Engine frame.
Eyeglass frame.
Floral frame.
Fly frame.
Garment hanger frame.
Garden frame.
Gill drawing frame.
Glazed frame.
Harrow frame.
Harvester frame.
Heddle frame.
Hosiery frame.
Lamp shade frame.
Limb cast frame.
Locomotive frame.
Number plate frame.
Ophthalmic frame.
Partition frame.
Picture frame.
Picture and like frame.
Picture or mirror frame.
Printing frame.
Railway side frame.
Refrigerator frame.
Saw frame.
Screen stencil frame.
Setting frame.
Sheet delivery frame.
Side board frame.
Side frame.
Sight trial frame.
Sign frame.
Spectacle frame.
Spinning and like textile frame.
Spinning frame.
Table frame.
Tennis racket frame.
Tension frame.
Tent frame.
Trotter frame.
Truck side frame.
Tube frame.
Twister frame.
Typewriter machine frame
Umbrella frame.
Vacuum contact frame.
Vacuum pressure frame.
Vehicle chassis frame.
Vehicle frame.
Warping frame.
Window and door frame.
Window engine frame.
Window frame.
Windshield frame.
Yarn setting frame.
Frame. L. G. Glassner. 1,842,479; Jan. 26.
Frame. H. Molner. 1,892,492; Dec. 27.
Frame and cover, Manhole. C. B. Shanley. 1,877,995; Sept. 20.
Frame and fastener for the same, Bag. W. J. Walker. 1,873,911; Aug. 23.
Frame and holder, Combined sign. A. Sprung. Des. 87,242; Jan. 21.
Frame and index tab therefor. F. D. Powell. 1,854,807; Apr. 19.
Frame and mounting for heat exchange units. E. H. Seelert. 1,840,417; Jan. 12.
Frame and sash, Window. H. E. Campbell. 1,858,983; May 17.
Frame bracing and adjusting means. J. Powell. 1,862,607; June 14.
Frame clip, Tentering. F. Hinnekens. 1,858,502; May 17.
Frame construction. E. S. MacPherson. 1,848,895; Mar. 8.
Frame construction, Metallic. J. Brogden. 1,879,655; Sept. 27.
Frame construction, Tank vehicle. F. M. Reid. 1,866,055; July 5.
Frame for airplanes, Safety. G. Wolf. 1,885,881; Nov. 1.
Frame for articulated oil-electric locomotives. C. C. C. Burkhardt. 1,855,094; Apr. 19.
Frame for casters, Adjustable adapter. W. H. Noelting and W. M. Van Dusen. 1,875,113; Aug. 30.
Frame for display containers. H. C. Brill. 1,889,346; Nov. 29.
Frame for flat screens. S. B. Gorbutt. 1,870,846; Aug. 9.
Frame for handbags and like containers. L. Pawlicek. 1,891,833; Dec. 20.
Frame for heated double glass windshields. E. E. Hills. 1,856,132; May 3.
Frame for looms for weaving tufted pile fabric, Tuft yarn. E. F. Clark. 1,846,948; Feb. 23.
Frame for looms, Heddle. R. Ragan. 1,887,326; Nov. 8.
Frame for making hooked rugs. G. P. Seiler. 1,857,067; May 3.
Frame for panels, Trim. U. K. Johannsen. 1,891,421; Dec. 20.
Frame for pictures, mottoes, and the like. F. H. Klie. Des. 87,221; June 21.
Frame for pictures, portraits and the like. P. Massobrio and E. Capello. 1,877,189; Sept. 13.
Frame for reduction of road vibiation, Floating. A. Schneider. 1,850,243; Mar. 22.
Frame for screening and the like. N. T. Ash. 1,868,488; July 26.
Frame for telephone instrument numbers. C. J. Gutberlet. 1,845,747; Feb. 16.
Frame for the wet treatment of fabrics, Tentering. E. Schaerer. 1,856,970; May 17.
Frame for tractors, Extension. A. Ronning. 1,883,407; Oct. 18.
Frame for wire operating units, Take-up. W. H. Sommer. 1,892,171; Dec. 27.
Frame-like structure for vehicles, aircraft, and other conveyers. J. Martin. 1,867,226; July 12.
Frame member for rowing machines, Front. P. S. Hardy. Des. 87,059; May 31.
Frame member for rowing machines, Front. P. S. Hardy. Des. 87,152; June 14.
Frame member for rowing machines, Rear. P. S. Hardy. Des. 87,154; June 14.
Frame or analogous article, Hand bag. R. Koret. Des. 86,777; Apr. 19.
Frame or similar article, Picture. F. J. Rush. Des. 86,864; Apr. 26.
Frame structure. E. H. Savage. 1,845,816; Feb. 16.
Frame structure. B. N. Wallis. 1,846,772; Feb. 23.
Frame structure, Fire. N. Magrini. 1,851,017; Mar. 29.
Frame structure, Window. C. D. Hudson. 1,861,861; June 7.
Frame system for ships of iron construction. G. F. K. Wrobbel. 1,869,329; July 26.
Frame truss, Chapel tent. R. E. Shoaf. 1,840,745; Jan. 12.
Frame unit for scaffolding, shorings, concrete forms and the like. T. F. Kerlin. 1,873,204; Aug. 23.
Frame with equalizing journal boxes, Side. W. F. Richards. 1,865,589; July 5.
Frames, Apparatus for and process of making spring cushion. R. S. Jones. 1,870,564; Aug. 9.
Frames, Device for the finishing top shaft of flat hosiery. K. W. Lieberknecht. 1,878,868; Sept. 20.
Frames, Fin or casing element for metallic window. E. P. Bridges. 1,840,221; Jan. 5.
Frames, Making trim. U. K. Johannsen. 1,891,422; Dec. 20.
Frames, Method and blank for producing. F. H. Klie. 1,862,897; June 14.
Frames, Method of and apparatus for manufacturing tuft yarn. C. Alvord. 1,851,793; Mar. 29.
Frames, Mounting vehicle. J. R. Konetsky. 1,886,557; Nov. 8.
Frames, Twisting apparatus for ring spinning. E. Wenzel. 1,847,582; Mar. 1.
Framework for the wings of aeroplanes and for other objects. G. L. R. Dessier. 1,891,681; Dec. 20.
Framing and dissolving mechanism, Combined. F. H. Owens. 1,851,724; Mar. 29.
Framing jack. D. F. Quinlivan. 1,887,832; Nov. 15.
Framing mechanism. Dina. 1,854,504; Apr. 19.
Framing table. C. T. Earhart. 1,874,175; Aug. 30.
Fraud preventing device. J. Gottfried. 1,839,874; Jan. 5.
Fraud preventing device for gas meters. J. H. Muller. 1,847,018; Feb. 23.
Fraud preventing means for coin-controlled mechanism. A. A. Knee. 1,882,502; Oct. 11.
Fraud prevention system for electric metering. J. W. Thompson. 1,845,101; Feb. 16.
Fraud preventive check entrance. A. A. Knee. 1,882,506; Oct. 11.
Fraud preventive means, Check operated. A. A. Knee. 1,882,505; Oct. 11.
Fraud preventive means for check controlled apparatus, Automatic. A. A. Knee. 1,882,503; Oct. 11.
Free-wheel mechanism for automobile use and for like purposes. D. W. Morley and F. C. Weller. 1,880,457; Oct. 4.
Free wheeling device. F. G. Williams. 1,841,234; Jan. 12.
Freesia. G. De Dintrans. Pl. Pt. 32; Oct. 11.
Freesia. G. H. Dalrymple. Pl. Pt. 44; Nov. 22.
Freesia. W. R. Elder. Pl. Pt. No. 17; May 24.
Freesia. E. A. Manda. Pl. Pt. 43; Nov. 8.
Freezer. H. E. Blood. 1,882,751; Oct. 18.
Freezer. J. A. Congleton and O. Kelly. 1,861,301; May 31.
Freezer for ice cream and the like. W. R. Mehner and S. Young. 1,867,017; July 12.
Freezer, Ice cream. W. D. Crosby. 1,844,745; Feb. 9.
Freezer, Ice cream. J. H. Gardner and C. A. Sawtelle. 1,861,082; May 31.

Freezer, Ice cream. L. F. Holland. 1,873,407; Aug. 23.
Freezer, Ice cream. A. L. Roebuck. 1,865,724; July 5.
Freezer, Ice cream. M. A. Rollman. 1,867,953; July 19.
Freezer, Ice cream. T. Swanson and T. McCreary. Des. 88,258; Nov. 8.
Freezer scrapers, Grinding ice cream. H. C. Cover. 1,845,908; Feb. 16.
Freezing apparatus. L. S. Pfouts. 1,855,770; Apr. 26.
Freezing apparatus. M. P. Vucassovich. 1,852,095; Apr. 5.
Freezing apparatus, Accessory unit for domestic. G. C. McCauley and J. L. Hallett. 1,880,021; Sept. 27.
Freezing apparatus. A. L. Kronquest. 1,891,425; Dec. 20.
Freezing mechanism. F. Tyson. 1,874,718; Aug. 30.
Freezing node. E. R. Meyer. 1,851,817; Oct. 11.
Freezing structure, Sharp. L. G. Copeman. 1,882,209; Oct. 11.
Freezing unit, Sharp. L. G. Copeman. 1,839,651; Jan. 5.
Freight, Apparatus for transferring. B. F. Fitch. 1,879,607; Sept. 27.
Freight handling apparatus. H. W. Faus. 1,884,636; Oct. 25.
Freight handling apparatus. B. F. Fitch. 1,840,574; Jan. 12.
Freight handling system. C. D. Young. 1,868,267; July 19.
Freight loading and unloading device for vehicles. V. T. Wren. 1,885,399; Nov. 1.
Freight, Method and apparatus for handling. W. S. Dietrich. 1,859,007; May 17.
Freight, System of handling. B. F. Fitch and A. R. Teare. 1,851,539; Mar. 29.
Freight transfer station. B. F. Fitch. 1,842,396; Jan. 26.
Frequencies, Producing high. W. A. Fitch. 1,854,986; Apr. 19.
Frequency changer. C. W. Hansell. 1,874,982; Aug. 30.
Frequency changer. L. Levy. 1,877,409; Sept. 13.
Frequency changer. L. J. Wolf. 1,872,370; Aug. 16.
Frequency changer, Static. M. Osnos. 1,842,940; Jan. 26.
Frequency changing system. A. M. Trogner. 1,861,371; May 31.
Frequency control. H. A. Affel. 1,847,160; Mar. 1.
Frequency control method and system. W. A. Marrison. 1,881,810; Oct. 11.
Frequency controlled mechanism. W. Koenig. 1,882,428; Oct. 11.
Frequency converter. E. W. Niles and W. H. Edwards. 1,871,904; Aug. 16.
Frequency for radiosignaling, Method and apparatus for changing. L. Chretien. 1,863,564; June 21.
Frequency generator, Constant. F. Conrad. 1,872,896; Aug. 23.
Frequency indicator. G. W. Pierce. 1,882,395; Oct. 11.
Frequency measurer. G. Keinath. 1,892,401; Dec. 27.
Frequency meter. W. S. McClintock, jr. 1,889,128; Nov. 29.
Frequency modulation of high frequency oscillation generators. A. H. Taylor. 1,851,357; Jan. 19.
Frequency multiplication. M. Osnos. 1,890,527; Dec. 13.
Frequency multiplier and amplifier. C. W. Hansell. 1,878,903; Sept. 20.
Frequency producer. W. A. Marrison. 1,882,850; Oct. 18.
Frequency regulating system. H. Chirex. 1,875,329; Sept. 6.
Frequency stabilizing system. W. T. Wintringham. 1,889,083; Nov. 29.
Frequency system, Constant beat. G. Rodwin. 1,871,741; Aug. 16.
Fresno. A. S. Terhaar. 1,861,762; June 7.
Fret-bar for use in playing stringed instruments. J. S. Preisner. Des. 87,593; Aug. 16.
Friction brake. E. L. Blake. 1,882,173; Oct. 11.
Friction brake. W. A. Blume. 1,844,496; Feb. 9.
Friction brake. W. A. Blume. 1,867,348; July 12.
Friction brake. T. F. Brackett. 1,867,124; May 10.
Friction brake. T. F. Brackett. 1,880,750; Oct. 4.
Friction brake. C. C. McMullin. 1,866,816; July 12.
Friction brake. J. Schurek. 1,870,532; Aug. 9.
Friction brake. J. S. Thompson. 1,839,510; Jan. 5.
Friction brake. J. S. Thompson. 1,847,680; Mar. 1.
Friction brake. J. Whyte. 1,861,771; June 7.
Friction brake, Fluid operated. W. A. Avery. 1,872,615; Aug. 16.
Friction coupling. E. T. Lorig. 1,847,882; Mar. 1.
Friction detent for control rods. R. K. Winning. 1,875,791; Sept. 6.
Friction device. A. P. Warner. 1,866,586; July 12.
Friction device for motion picture projection machines. L. S. Frappier and E. Boecking. 1,854,928; Apr. 19.
Friction element. W. C. Fisher. 1,852,047; Apr. 5.
Friction elements and making. W. A. Blume. 1,866,287; July 5.
Friction equalizing material and use thereof. R. F. Nowalk. 1,845,096; Feb. 16.
Friction facing. R. J. Norton. 1,879,433; Sept. 27.
Friction grip elevator. N. K. Smith. 1,864,864; June 28.
Friction grip for drilling machines. A. Hossfeld. 1,881,593; Oct. 11.
Friction grip for drilling machines. A. Hossfeld. 1,888,669; Nov. 22.
Friction material. G. F. Meehan and A. L. Kennedy. 1,840,909; Jan. 12.
Friction member. J. W. Watson and C. S. Redfield. 1,845,858; Feb. 16.
Friction roller. F. B. Streine. 1,852,942; Apr. 5.
Friction servo brake. G. P. Berry. 1,865,816; July 5.
Friction transmitting element. E. V. J. Tower. 1,888,779; Nov. 22.
Fringe making machine. G. F. McDougall. 1,868,711; July 26.
Fringes and fringed fabrics, Producing. G. Klaiber and E. Kühnis. 1,852,417; Apr. 5.
Fringes, trimmings, and the like, Apparatus for making. P. Kranz and A. P. Schmid. 1,855,763; Apr. 26.
Fritting furnace. J. F. Ryan and C. Stegmayer. 1,861,138; May 31.
Frog. W. Perlue. 1,862,547; June 14.
Frog for lister plows. J. Peterson. 1,859,463; May 24.
Frog, Jumping. H. G. Woolworth. 1,858,426; May 17.
Frog point. D. E. Anderson. 1,847,305; Mar. 1.
Front, Building. S. Specter. Des. 88,108; Oct. 25.
Front for display devices. J. Knoche. Des. 87,751; Sept. 13.
Front spring. N. F. Hadley and T. Franzen. 1,872,445; Aug. 16.
Front, Store. F. J. Bentz. Des. 87,615; Aug. 23.
Front, Store. S. J. Switow. 87,653; Aug. 23.
Frost and moisture absorber for windows. C. A. Randolph. 1,861,242; May 31.
Frost damage to vegetation, Apparatus for preventing. C. W. Towt. 1,848,398; Mar. 8.
Frosting process. M. J. Mesa. 1,888,969; Nov. 22.
Froth flotation. L. J. Christmann and G. B. Walker. 1,852,107; Apr. 5.
Froth flotation. L. J. Christmann and S. A. Falconer. 1,852,109; Apr. 5.
Frozen food product and making same. C. E. Gray. 1,878,127; Sept. 20.
Fruit and the like, Apparatus for packing. J. S. Rice. 1,860,873; May 31.
Fruit and the like, Apparatus for treating. E. M. Brogden. 1,848,309; Mar. 8.
Fruit and vegetable cutter. C. E. Donahoo. 1,866,630; July 12.
Fruit and vegetable dusting apparatus. J. C. Hull. 1,858,090; May 10.
Fruit and vegetable press. M. Grant. Des. 87,340; July 12.
Fruit, Apparatus for packing. J. W. Trew. 1,843,890; Feb. 2.
Fruit, Artificially coloring. O. W. Rice. 1,846,143; Feb. 23.
Fruit cleaning apparatus. T. Farley. 1,873,832; Aug. 23.
Fruit cleaning machine. B. C. Skinner. 1,844,264; Feb. 9.
Fruit composition, Vitamin. E. R. Alexander. 1,886,931; Nov. 8.
Fruit concentrate, Homogenized citrous. E. R. Alexander. 1,885,401; Nov. 1.
Fruit crusher. U. Forbidussi. 1,858,147; May 10.
Fruit cutting and can filling machine, Combined. H. S. Morse. 1,879,989; Sept. 27.
Fruit cutting implement. V. Kravitz. 1,879,851; Sept. 27.
Fruit cutting machine. M. C. Hjelte. 1,885,600; Nov. 1.
Fruit drier. E. McCarthy. 1,890,397; Dec. 6.
Fruit drying apparatus. A. R. and F. M. Stevens. 1,884,344; Oct. 25.
Fruit duff and preparing same. A. C. Turner. 1,884,923; Oct. 25.
Fruit feeding device. R. Morris. 1,886,295; Nov. 1.
Fruit halving, coring, and pitting apparatus. A. L. Duncan. 1,847,298; Mar. 1.
Fruit holder. A. P. Barnes. Des. 87,824; Sept. 27.
Fruit juice extractor. M. D. Cody. 1,882,065; Oct. 11.
Fruit juice extractor. M. D. Cody. 1,889,883; Dec. 6.
Fruit juice extractor. N. M. Faulds. 1,888,529; Nov. 22.
Fruit juice extractor. C. H. Goudiss, jr. 1,885,011; Oct. 25.
Fruit juice extractor. S. J. Poplawski. 1,849,112; Mar. 15.
Fruit juice extractor, Citrous. E. C. Graham. 1,886,092; Nov. 1.
Fruit juice extractor, Citrous. G. H. Thate. 1,875,678; Sept. 6.
Fruit juice powder and stabilization thereof. R. M. Washburn. 1,844,707; Feb. 9.
Fruit juices and making the same, Powdered citrous. R. M. Washburn. 1,883,150; Oct. 18.
Fruit juices, Apparatus for producing citrous. W. D. Bost. 1,878,099; Sept. 20.
Fruit juices, Preserving. H. C. Stephens. 1,883,420; Oct. 18.
Fruit packing device. C. Lindley, jr. 1,877,479; Sept. 13.
Fruit peeling machine. H. and D. Goranson. 1,861,084; May 31.
Fruit peeling machine. H. Goranson and D. Goranson. 1,872,731–2; Aug. 23.
Fruit peeling machine. H. Goranson and D. Goranson. 1,876,000; Sept. 6.
Fruit picker. H. Hain. 1,844,158; Feb. 9.
Fruit picker. M. Schling. 1,881,134; Oct. 4.
Fruit picker's bag. W. A. Bailer. 1,859,274; May 24.
Fruit pitting machine. G. Frova. 1,876,492; Sept. 6.
Fruit, Preparing disinfected. H. B. Slater. 1,842,696; Jan. 26.
Fruit press. A. Macchia. 1,841,413; Jan. 19.

Fruit press. B. L. McKinstry. 1,888,281; Nov. 22.
Fruit pressing machine. F. M. Eaton. 1,865,849; July 5.
Fruit processer. G. D. Gardner. 1,871,507; Aug. 16.
Fruit processing apparatus. A. B. Hale. 1,843,509; Feb. 2.
Fruit processing means. J. C. Currier and C. W. Lipe. 1,856,945; May 3.
Fruit product. W. A. Rooker and V. E. Speas. 1,870,588; Aug. 9.
Fruit sizer. C. H. Evans. 1,873,323; Aug. 23.
Fruit sizing machine. G. S. Helenbolt. 1,868,356; July 19.
Fruit sizing machine. F. Mathews. 1,868,114; July 19.
Fruit sizing machine. C. E Wuisnand and L. Kuboske. 1,888,709; Nov. 22.
Fruit to remove spray residues, Treating. J. N. Sharma. 1,875,944; Sept. 6.
Fruit, treating. J. S. Segur and K. H. Hoover. 1,853,151; Apr. 12.
Fruit trimming and slicing apparatus. J. L. Fox. 1,890,676; Dec. 13.
Fruit vending apparatus. D. C. Davis. 1,846,316; Feb. 23.
Fruit washer. S. Hynes. 1,881,611; Oct. 11.
Fruit washer. J. M. Warner. 1,854,433; Apr. 19.
Fruit washing apparatus. A. O. Moe. 1,864,085; June 21.
Fruits against blue mold and the like, Protection of fresh. E. M. Brogden and M. L. Trowbridge. 1,852,144; Apr. 5.
Fruits and raisins, Treatment of dried. A. H. Sanders. 1,886,233; Nov. 1.
Fruits and vegetables, Apparatus for testing and measuring the hardness and toughness of. V. B. Bonney and P. A. Clifford. 1,887,850; Nov. 15.
Fruits, Process for the removal of natural oils, wax, and spray residues from. R. H. Robinson. 1,884,966; Oct. 25.
Fruits, Treating dried. C. R. Fellers. 1,870,802; Aug. 9.
Frying pan. M. Meilgren. 1,882,670; Oct. 18.
Frying pan. G. Virneburg. 1,855,075; Apr. 19.
Fuel. L. R. Kimball. 1,848,063; Mar. 1
Fuel admitting means for internal combustion engines. L. S. Hobbs. 1,852,560; Apr. 5.
Fuel air-ratio control system. J. M. Hopwood. 1,869,372; Aug. 2.
Fuel and air control. W. W. Williams. 1,886,998; Nov. 8.
Fuel and its production, Motor. L. M. Henderson and S. W. Ferris. 1,868,102; July 19.
Fuel and reducing process, Motor. R. R. Rosenbaum. 1,841,254; Jan. 12.
Fuel, Apparatus for burning. J. M. Schutz. 1,862,910; June 14.
Fuel. Apparatus for burning fluid. A. R. Parker, J. A. MacCormack, and R. J. S. Pigott. 1,847,020; Feb. 23.
Fuel, Apparatus for burning liquid. H. F. Clayton. 1,888,373; Nov. 22.
Fuel, Apparatus for burning powdered. M. W. Arrowood. 1,856,902; May 3.
Fuel, Apparatus for carbonizing solid. A. Chabot. 1,887,834; Nov. 15.
Fuel, Apparatus for charging. W. A. Barr. 1,868,870; July 26.
Fuel, Apparatus for gasifying liquid. P. M. Cabell. 1,841,362; Jan. 12.
Fuel, Apparatus for igniting liquid. R. H. Goddard. 1,879,186; Sept. 27.
Fuel, Apparatus for starting and maintaining vaporization of liquid. C. F. Lambert. 1,853,309; Apr. 12.
Fuel, Apparatus for the manufacture of carbonized. S. R. Illingworth. 1,861,345; May 31.
Fuel, Artificially colored motor. J. Hyman. 1,891,093; Dec. 13.
Fuel atomizer. E. Knophius. 1,855,972; Apr. 26.
Fuel atomizing device, Automatically controlled. C. F. Carroll. 1,855,381; Apr. 26.
Fuel beds, Underfeed mechanism for. W. B. Chapman. 1,857,354; May 10.
Fuel box. H. E. Renfrow. 1,863,765; June 21.
Fuel briquette. E. O. E. Gaupholm. 1,872,135; Aug. 16.
Fuel briquette. P. F. Herrly. Des. 88,351; Nov. 22.
Fuel briquette treating apparatus. L. H. Richards. 1,840,294; Jan. 5.
Fuel briquettes, Apparatus for carbonization of. H. F. Maurel. 1,870,521; Aug. 9.
Fuel briquettes from waste wood, Manufacture of. H. F. Maurel. 1,870,522; Aug. 9.
Fuel burner. J. Blizard. 1,879,652; Sept. 27.
Fuel burner. O. Craig and L. V. Andrews. 1,843,662; Feb. 2.
Fuel burner. E. G. Crozier. 1,853,408; Apr. 12.
Fuel burner. D. Emerson. 1,860,988; May 24.
Fuel burner. W. E. Goldsborough. 1,840,840; Jan. 12.
Fuel burner. W. F. Keenan, jr. 1,870,013; Aug. 2.
Fuel burner. O. A. Kreutzberg. 1,852,511; Apr. 5.
Fuel burner. C. H. Paschke. 1,874,346; Aug. 30.
Fuel burner. C. J. Sherwood. 1,884,894; Oct. 25.
Fuel burner. W. A. Woodeson. 1,885,067; Oct. 25.
Fuel burner, Adjustable. B. G. Englund. 1,855,545; Apr. 26.
Fuel burner device. R. H. Forney. 1,887,150; Nov. 8.
Fuel burner, Liquid. W. Boyd. 1,864,795; June 28.
Fuel burner, Liquid. L. A. Cocklin. 1,852,290–2; Apr. 5.
Fuel burner, Liquid. F. H. Cornelius. 1,855,339; Apr. 26.
Fuel burner, Liquid. T. A. Curran. 1,865,889; July 5.
Fuel burner, Liquid. F. F. Neumann. 1,851,913; Mar. 29.
Fuel burner, Liquid. R. M. Sherman. 1,848,206–7; Mar. 8.
Fuel burner, Liquid. G. J. Stadler. 1,857,667; May 10.
Fuel burner, Liquid. N. R. Thibert. 1,888,019; Nov. 15.
Fuel burner, Liquid. N. R. Thibert. 1,890,593; Dec. 13.
Fuel burner, Powdered. H. C. Heaton. 1,892,053; Dec. 27.
Fuel burner, Pulverized. H. Cambers. 1,850,277; Mar. 22.
Fuel burner, Pulverized. F. H. Rosencrants. 1,870,026; Aug. 2.
Fuel burner, Pulverized. H. E. Yarrow. 1,873,926; Sept. 20.
Fuel burning apparatus. L. A. Morin. Re18,684; Dec. 6.
Fuel burning apparatus. L. A. Morin. 1,843,954; Feb. 9.
Fuel burning apparatus. S. T. Warner. 1,865,983; July 5.
Fuel burning apparatus, Liquid. L. Motley. 1,887,458; Nov. 8.
Fuel burning device. G. W. McKee. 1,867,166; July 12.
Fuel, Burning fluid. H. L. Doherty. 1,872,907; Aug. 23.
Fuel, Burning fluid. A. R. Parker, J. A. MacCormack, and R. J. S. Pigott. 1,846,978; Feb. 23.
Fuel burning furnace, Finely divided. M. Frisch and E. Lundgren. 1,866,404; July 5.
Fuel burning heater, Fluid. W. B. Simmons. 1,848,672; Mar. 8.
Fuel by destructive hydrogenation of carbonaceous materials, Producing motor. M. Pier and M. Müller-Cunradi. 1,864,855; June 28.
Fuel. Carbonization of bituminous. C. J. Wright. 1,867,344; July 12.
Fuel charge conditioning device. C. C. Rogers. 1,844,298; Feb. 9.
Fuel charging and igniting, Method of and apparatus for. C. N. Eccli. 1,887,716; Nov. 15.
Fuel charging device for gas generators. T. F. Spicknall. 1,868,924; July 26.
Fuel, Combustion of pulverized. E. W. Green, G. R. Unthank, and D. Dunn. 1,887,015; Nov. 8.
Fuel, Combustion of pulverized or similar. S. M. Finn. 1,841,587; Jan. 19.
Fuel combustion, Pulverized. J. G. Coutant. 1,858,450–1; May 17.
Fuel consumption indicator, Liquid. C. C. Brown. 1,852,553; Apr. 5.
Fuel control apparatus. L. L. Cunningham. 1,877,275; Sept. 13.
Fuel control for heaters. H. I. Platt. 1,852,261; Apr. 5.
Fuel control means for a hydrocarbon burner. J. L. Breese, jr. 1,845,999; Feb. 16.
Fuel control mechanism. V. T. Callahan. 1,874,238; Aug. 30.
Fuel control system. E. J. Te Pas. 1,842,335; Jan. 19.
Fuel control system, Automatic. E. J. Te Pas. 1,842,334; Jan. 19.
Fuel control system, Fluid. W. J. Snow. 1,842,126; Jan. 19.
Fuel control system, Gaseous. E. J. Te Pas. 1,842,327; Jan. 19.
Fuel control system, Gaseous. E. J. Te Pas. 1,842,331; Jan. 19.
Fuel control system, Gaseous. E. J. Te Pas. 1,842,337; Jan. 19.
Fuel control system, Thermostatic. E. J. Te Pas. 1,842,333; Jan. 19.
Fuel controlling means, Fine. D. L. Blatter. 1,851,034; Mar. 29.
Fuel, Dehydrating moist. M. Pier and K. Wissel. 1,881,968; Oct. 11.
Fuel delivering device. F. Huber. 1,839,878; Jan. 5.
Fuel dilution from engine's lubricating oil, Apparatus for removing. J. H. Holloway. 1,879,248; Sept. 27.
Fuel distributing system, Pulverized. C. M. Stein. 1,889,299; Nov. 29.
Fuel distributor for internal combustion engines. F. Frelin. 1,871,265; Aug. 9.
Fuel distributor, Stoker. A. M. Hunt. 1,892,395; Dec. 27.
Fuel during the water smoking period of the firing of clay products, Device for burning comminuted. D. J. Watson. 1,861,124; July 26.
Fuel economizer. E. E. Litke. 1,859,519; May 24.
Fuel economizer and heat controls. G. L. Zucker. 1,871,487; Aug. 16.
Fuel economizer and smoke reducer. C. Protzmann. 1,865,138; June 28.
Fuel economizer for internal combustion engines. E. P. Oswald and F. X. Bonem. 1,855,923; Apr. 26.
Fuel, Engine. N. H. Gullander. 1,889,474; Nov. 29.
Fuel feed system. C. H. Braselton and F. B. MacLaren. Re18,518; July 12.
Fuel feed system. G. L. Jones. 1,867,700; July 19.
Fuel feed system for carburetors. C. C. Bradbury. 1,858,388; May 17.
Fuel feed system for motor vehicles. R. F. Bracke. 1,855,408; Nov. 1.
Fuel feed system for motor vehicles. C. W. Spohr. 1,842,430; Jan. 26.

Fuel feeding apparatus operated by pressure. E. A. Rockwell, 1,856,265; May 3.
Fuel feeding device. D. A. Gauthier. 1,853,970; Apr. 12.
Fuel feeding device. S. C. Gullick. 1,860,283; May 24.
Fuel feeding device. H. A. Stukes. Re18,508; June 28.
Fuel feeding device, Vacuum. W. A. Edwards. 1,862,667; June 14.
Fuel feeding means. H. M. Leonard. 1,856,078; May 3.
Fuel feeding system. F. R. Hunter. 1,860,672; May 31.
Fuel feeding system for motor vehicles. F. H. Heitger. 1,859,393; May 24.
Fuel feeding system for motor vehicles. A. G. Redmond. 1,848,546; Mar. 8.
Fuel feeding system, Liquid. A. E. Berdon. 1,888,615; Nov. 22.
Fuel feeding system, Liquid. D. Collins. 1,868,970; July 26.
Fuel feeding tank. J. Scheminger, jr. 1,867,104; July 12.
Fuel fired furnace. W. A. Darrah. 1,869,670; Aug. 2.
Fuel for internal combustion engines, Conditioning. R. F. Brooke. 1,874,741; Aug. 30.
Fuel for metallurgical furnaces, Liquid. F. Puening. 1,869,775; Aug. 2.
Fuel from light oil, Making motor. F. W. Wagner and F. L. McIntire. 1,886,612; Nov. 8.
Fuel from residual oils, Method and apparatus for producing motor. S. Swiat. 1,880,387; Nov. 1.
Fuel fumes, Apparatus for generating. C. O. Grosz. 1,889,619; Nov. 29.
Fuel furnace, Pulverized. H. W. Leitch and W. E. Caldwell. 1,846,647; Feb. 23.
Fuel furnace, Pulverized. A. E. Smith and O. Nygaard. 1,858,688; May 17.
Fuel gas mixture to the cylinders of internal combustion engines, Apparatus for the supply of. L. Thomas. 1,844,192; Feb. 9.
Fuel gasifier, Liquid. H. V. A. Ferguson. 1,881,425; Oct. 11.
Fuel, Gasifying liquid. P. M. Cabell. 1,852,734; Apr. 5.
Fuel generating apparatus. W. S. Carlston and R. H. Hieger. 1,852,343; Apr. 5.
Fuel humidifying device. C. A. Von Blix. 1,884,413; Oct. 25.
Fuel in internal combustion engines, Injection of liquid. L. E. Bronn. 1,867,491; July 12.
Fuel injecting means. H. M. Leonard. 1,853,725; Apr. 12.
Fuel injection device. J. H. Lentell, jr. 1,876,980; Sept. 13.
Fuel injection device. R. E. Nelson. 1,860,784; May 31.
Fuel injection device for internal combustion engines. E. Dreyfus. 1,891,082; Dec. 13.
Fuel injection device for internal combustion engines. H. Steiner. 1,890,702; Dec. 13.
Fuel injection device for internal combustion engines. W. Tobler. 1,860,063; May 24.
Fuel injection engine. A. C. Peterson. Re18,429; Apr. 19.
Fuel injection engine. L. L. Scott. 1,853,235; Apr. 12.
Fuel injection in water tube boilers, Control of the. C. G. Ruths. 1,851,924; Mar. 29.
Fuel injection means. C. D. Sallsbury. 1,852,191; Apr. 5.
Fuel injection means. C. D. Salisbury. 1,864,860; June 28.
Fuel injection means for internal combustion engines. G. W. Codrington. 1,852,201; Apr. 5.
Fuel injection means for internal combustion engines. G. W. Codrington. 1,871,444; Aug. 16.
Fuel injection mechanism for internal combustion engines, Control of. H. von Salis. 1,850,250; Mar. 22.
Fuel injection system. H. T. Herr. 1,845,600; Feb. 16.
Fuel injection system. H. T. Herr. 1,847,718; Mar. 1.
Fuel injection system. S. D. Miller. 1,868,713; July 26.
Fuel intake for internal combustion engines. G. T. Johnson. 1,856,998; May 3.
Fuel into a combustion chamber, Feeding finely comminuted. C. Buck. 1,891,886; Dec. 20.
Fuel into internal combustion engines, Apparatus for introducing. K. J. E. Hesselman. 1,888,082; Nov. 15.
Fuel, Making motor. W. N. Davis and W. H. Hampton. 1,869,885; Aug. 2.
Fuel, Manufacture of ash free solid. M. Michels. 1,837,908; Jan. 5.
Fuel, Manufacture of motor. R. P. Russell. 1,884,269; Oct. 25.
Fuel, Method and apparatus for burning powdered. D. L. Braine and D. J. Irish. 1,860,987; May 31.
Fuel, Method and apparatus for preparing and feeding pulverized. A. H. Sanctus. 1,875,924; Sept. 6.
Fuel, Method and apparatus for the control of burning liquid. E. H. Peabody. 1,855,559; Apr. 26.
Fuel, Method and burner for burning powdered. V. G. Leach. 1,886,685; Nov. 8.
Fuel, Method of and apparatus for burning finely divided. J. P. Leask and H. T. Dyer. 1,858,674; May 17.
Fuel, Method of and apparatus for use in burning solid. C. K. Prince. 1,874,618; Aug. 30.
Fuel mixing device for internal combustion engines. J. W. Smith. 1,885,559; Nov. 1.
Fuel mixing device, Gaseous. R. V. Hutchinson. 1,845,152; Feb. 16.
Fuel mixture for internal combustion engines, Apparatus for enriching. W. S. English. 1,873,746; Aug. 23.
Fuel mixture, Gaseous. G. C. Quelch. 1,863,636; June 21.
Fuel mixtures, Vaporizing. E. R. Godward. 1,848,620; Mar. 8.
Fuel, Motor. J. G. Davidson. 1,879,113; Sept. 27.
Fuel, motor. V. Lantz. 1,869,456; Aug. 2.
Fuel, Motor. C. T. Richman. 1,891,181; Dec. 13.
Fuel oil burning apparatus. L. S. Chadwick and M. Resek. 1,871,951; Aug. 16.
Fuel oil, Method and apparatus for nebulizing and burning. W. E. Shore. 1,888,939; Nov. 22.
Fuel, Petroleum liver. J. H. Shepard. 1,853,465; Apr. 12.
Fuel process, Motor. J. J. Lawton. 1,878,932; Sept. 20.
Fuel, Process of and apparatus for the combustion of solid. H. B. Cannon. 1,877,224; Sept. 13.
Fuel pulverizing system. H. Kreisinger. 1,882,329; Oct. 11.
Fuel pumping apparatus, Liquid. F. J. S. Jones. 1,892,529; Dec. 27.
Fuel pumping device. E. A. Rockwell. 1,882,928; Oct. 18.
Fuel pumping device. W. H. Schulze. 1,882,988; Oct. 18.
Fuel regulating device for gas ovens. R. W. Johnson. 1,881,637; Oct. 11.
Fuel regulator, Automatic. C. L. Stokes. 1,841,687; Jan. 19.
Fuel regulator, Automatic. C. L. Stokes. 1,842,690; Jan. 26.
Fuel regulator, Automatic. C. L. Stokes. 1,854,236; Apr. 19.
Fuel regulator, Automatic. C. L. Stokes. 1,861,725; June 7.
Fuel saving and combustion regulating device. R. J. Jenkins. 1,883,295; Oct. 18.
Fuel, Solidified alcoholic. K. G. Bierlich. 1,863,962; June 21.
Fuel supply and control apparatus for gasoline stoves. C. F. Lambert. 1,853,732; Apr. 12.
Fuel supply and injection means. M. J. Goldberg. 1,858,248; Nov. 1.
Fuel supply control and ignition system. L. F. Doen. 1,842,339; Jan. 19.
Fuel supply for internal combustion engines. W. E. Goldsborough. 1,872,931; Aug. 23.
Fuel supply means for internal combustion engines of low intake depression, Auxiliary. A. Moore. 1,877,937; Sept. 20.
Fuel supply system. W. A. Doble, jr. 1,863,192; June 14.
Fuel supply system. Phillips. 1,849,590; Mar. 15.
Fuel, Supplying. E. Dodson. 1,849,059; Mar. 15.
Fuel supplying and injecting system for Diesel and other like forms of compression ignition internal combustion engines. Airless. A. C. Croll. 1,860,099; June 28.
Fuel supplying apparatus for aircraft. L. Lefevre and W. E. Leas. 1,869,487; Aug. 2.
Fuel supplying means for internal combustion engines, Pulverized. L. C. Bowes. 1,681,879; May 31.
Fuel system, Direct. W. A. Edwards. 1,842,156; Jan. 19.
Fuel, System for burning liquid. J. W. Cannon. 1,871,660; Aug. 16.
Fuel to an internal combustion engine, Feeding. C. E. Bathrick. 1,856,009; May 3.
Fuel to burners, Apparatus for distributing pulverized. F. D. Kirtland, J. J. Broshek, R. C. Brierly, and J. S. Evans. 1,861,535; June 7.
Fuel to internal combustion engines, Apparatus for feeding liquid. M. J. A. Reblller. 1,857,004; May 3.
Fuel to internal combustion engines, Apparatus for supplying. L. T. Thurber. 1,851,221; Mar. 29.
Fuel to internal combustion engines, Supplying. L. Durr. 1,877,163; Sept. 13.
Fuel. Treatment of motor. C. D. Lowry, jr., and C. G. Dryer. 1,889,835–6; Dec. 6.
Fuel utilisation. C. Jones, jr. 1,839,741; Jan. 5.
Fuel vaporizer. L. M. Fabbri. 1,889,648; Nov. 29.
Fumigation compositions and process. K. F. Cooper. 1,889,950; Dec. 6.
Fuel without air into internal combustion engines, Injecting. M. Goth. 1,840,442; Jan. 12.
Fueling system. C. I. Justheim. 1,889,922; Dec. 6.
Fueling system. L. C. Brukenhoff. 1,867,602; July 19.
Fuels, and for the cracking and hydrogenation of heavy hydrocarbons, Synthesis of hydrocarbon. J. Mercier. 1,888,908; Nov. 29.
Fuels and maintaining a combustible mixture after initial vaporization, Method and apparatus for preheating liquid. C. F. Lambert. 1,872,926; Sept. 27.
Fuels and products derived therefrom or other carbonaceous materials into valuable products, Conversion of solid. C. Krauch and H. Pier. 1,876,609; Sept. 6.
Fuels and products derived therefrom or other materials into valuable liquids, Conversion of solid. C. Krauch and M. Pier. 1,890,434; Dec. 6.
Fuels and products derived therefrom or other materials into valuable liquids, Conversion of solid. C. Krauch and M. Pier. 1,890,436; Dec. 6.
Fuels and the like. D. W. Berlin. 1,887,671; Nov. 15.
Fuels, Apparatus for burning liquid. F. A. Howard. 1,861,014; May 31.
Fuels, Apparatus for producing gaseous. C. A. Rosier. 1,882,041; Oct. 11.
Fuels by destructive hydrogenation of carbonaceous material, Producing motor. M. Pier and M. Müller-Cunradi. 1,863,669; June 21.

Fuels, Device for burning liquid. W. C. Coleman. 1,858,264; May 17.
Fuels for use, Preparing. E. A. Richardson. 1,876,168; Sept. 6.
Fuels, Gasifying liquid. G. L. Reichhelm. 1,891,444; Dec. 20.
Fuels, Gasifying liquid. G. L. Reichhelm. 1,891,446; Dec. 20.
Fuels, Method and apparatus for burning liquid. W. I. Sallee. 1,860,958; May 31.
Fuels, Method of and apparatus for combustion of. H. A. Hymer. 1,869,897; Aug. 2.
Fuels of relatively low boiling point range, Conversion of carbonaceous materials into. M. Pier. 1,890,435; Dec. 6.
Fuels, Production of nonknocking motor. M. Pier and K. Wissel. 1,864,496; June 21.
Fuels, Treating. G. M. McGlone. 1,856,495; May 3.
Fulcrum device, Adjustable equalizer. R. W. Curtis and T. H. Ainsworth. 1,845,012; Feb. 16.
Fuller block. E. Walter and E. E. Koehler. 1,876,808; Sept. 6.
Fume arrester for cupola furnaces. G. E. McCloskey. 1,884,048; Oct. 25.
Fume arrester for cupola furnaces. S. P. Miller. 1,884,088; Oct. 25.
Fume hood. E. H. Sheldon. 1,840,371; Jan. 12.
Fume hood for laboratory tables. E. H. Sheldon. 1,884,304; Oct. 25.
Fumigants, Evaporating. H. G. Bersie. 1,861,736; June 7.
Fumigating composition. C. J. Romieux. 1,856,657; May 3.
Fumigating device. C. R. Hutchings. 1,851,430; Mar. 29.
Fungicide. F. Wiicoxon. 1,849,778; Mar. 15.
Funnel. N. W. Howard. 1,868,389; July 19.
Funnel for kilns, Discharge. E. Sobek. 1,847,730; Mar. 1.
Fur breaking machine. R. H. Plass. 1,863,727; June 21.
Fur, Carroting. G. D. Beal and R. R. McGregor. 1,858,857–8; Nov. 1.
Fur cutting machine. W. Kazanji. 1,839,969; Jan. 5.
Fur cutting machine. R. H. Plass. 1,842,566–8; Jan. 26.
Fur cutting machine. R. H. Plass. 1,860,551; May 31.
Fur cutting machine. R. H. Plass. 1,873,027; Aug. 23.
Fur scarf hanger. G. Davison. 1,887,710; Nov. 15.
Fur scarf hanger. J. M. Holstein. 1,851,045; Mar. 29.
Fur sewing machine attachment. H. Welsner. 1,855,120; Apr. 19.
Fur stretching device. A. S. Greenstein. 1,879,931; Sept. 27.
Fur treating apparatus. S. Friedman. 1,874,273; Aug. 30.
Furring bracket. E. R. Boyle. 1,856,205; May 3.
Furs, hair, and the like material, Process and preparation for dyeing. J. Caspe and W. E. Austin. 1,854,541; Apr. 19.
Furnace; *See*—
Air humidifying furnace.
Annealing furnace.
Automatically fed furnace.
Billet furnace.
Blast furnace.
Boiler furnace.
Car type furnace.
Center wall furnace.
Combination furnace.
Continuous furnace.
Continuous conveyer furnace.
Conveyer furnace.
Copper treating furnace.
Crucible furnace.
Cupola furnace.
Cyaniding furnace.
Dental furnace.
Drawing furnace.
Electric arc furnace.
Electric furnace.
Electric induction furnace
Electric resistance furnace.
Electric rotary furnace.
Enameling furnace.
Fritting furnace.
Fuel burning furnace.
Fuel fired furnace.
Fuel furnace.
Galvanizing furnace.
Gas cupola furnace.
Gas-fired furnace.
Gas furnace.
Gas recuperator furnace.
Glass furnace.
Glass melting furnace.
Gypsum calcining furnace.
Hardening, quenching and drawing furnace.
Heat treating furnace.
Heating furnace.
Furnace. W. J. Assel. 1,882,470; Oct. 11.
Furnace. F. G. Bailey. 1,863,181; June 14.
Furnace. H. H. Baumgartner. 1,884,524; Oct. 25.
Furnace. H. W. Beecher. 1,840,306; Jan. 12.
High frequency furnace.
High temperature furnace.
Hot air furnace.
Induction electric furnace.
Induction furnace.
Inductor type furnace.
Industrial furnace.
Ingot reheating furnace.
Material treating furnace.
Melting furnace.
Metal coating furnace.
Metal heating furnace.
Metal normalising furnace.
Metal treating furnace.
Metallurgical furnace.
Normalizing furnace.
Oil burning furnace.
Open hearth furnace.
Ore furnace.
Ore roasting furnace.
Pipe annealing furnace.
Portable furnace.
Powdered fuel furnace.
Preheating furnace.
Puddling furnace.
Pulverized fuel furnace.
Radiant and convection heat furnace.
Regenerative furnace.
Reheating furnace.
Retort furnace.
Reverberatory furnace.
Sheet annealing furnace.
Soaking pit furnace.
Steam bath furnace.
Tank furnace.
Tilting furnace.
Tilting hearth furnace.
Vertical tube furnace.
Warm air furnace.
Furnace. H. A. Brassert, S. P. Kinney, and H. L. Wetherbee. 1,847,710; Mar. 1.
Furnace. C. E. Buysse. 1,860,887; May 31.
Furnace. F. H. Daniels. 1,876,623; Sept. 13.
Furnace. N. R. Davis. 1,855,907; Apr. 26.
Furnace. N. G. de Rachat. 1,857,364; May 10.
Furnace. C. A. Dutton. 1,889,955; Dec. 6.
Furnace. F. A. Fahrenwald. 1,840,661; Jan. 12.
Furnace. F. A. Fahrenwald. 1,880,954; Oct. 4.
Furnace. J. H. Gagnon. 1,840,499; Jan. 12.
Furnace. A. L. Galiush. 1,862,477; June 7.
Furnace. W. A. Gilchrist. 1,839,960; Jan. 5.
Furnace. W. A. Gilchrist. 1,865,753; July 5.
Furnace. H. P. Grohn. 1,887,153; Nov. 8.
Furnace. J. Hauiik. 1,879,899; Sept. 27.
Furnace. G. Hofmann. 1,841,030; Jan. 12.
Furnace. G. Hofmann. 1,847,800; Mar. 1.
Furnace. C. D. Holmes. 1,875,459; Sept. 6.
Furnace. C. J. Huber. 1,871,454; Aug. 16.
Furnace. C. L. Ipsen and A. N. Otis. 1,864,354; June 21.
Furnace. A. Kais. 1,862,824; June 14.
Furnace. W. Kleinow. 1,851,772; Mar. 29.
Furnace. D. Larkin. 1,874,016; Aug. 30.
Furnace. F. E. Leahy. 1,856,345; May 3.
Furnace. L. Lee. 1,883,383; Oct. 18.
Furnace. H. E. Leety, J. A. Eckert, and A. W. Page. 1,887,855; Nov. 15.
Furnace. G. R. Lewers. 1,881,732; Oct. 11.
Furnace. C. E. Lucke. 1,878,157; Sept. 20.
Furnace. W. Lulofs. 1,868,329; July 19.
Furnace. N. Mambourg. 1,860,045; May 24.
Furnace. L. W. Manion. 1,889,928; Dec. 6.
Furnace. E. E. Massie. 1,845,615; Feb. 16.
Furnace. J. L. McFarland. 1,852,816; Apr. 5.
Furnace. T. Merryweather. 1,841,250; Jan. 12.
Furnace. J. A. Mirsejewski. 1,863,379; June 14.
Furnace. D. W. Moore. 1,884,716; Dec. 20.
Furnace. E. F. Schonberger. 1,857,480; May 10.
Furnace. E. D. Silver. 1,851,453; Mar. 29.
Furnace. C. Smith and R. J. Southwick. 1,886,448; Nov. 8.
Furnace. V. Sorrel and L. A. Lafont. 1,868,954; July 26.
Furnace. A. Stansfield. 1,871,863; Aug. 16.
Furnace. L. Steinmuller. 1,886,064; Nov. 1.
Furnace. J. C. Suber. 1,869,228; July 26.
Furnace. J. L. Walters. 1,861,767; June 7.
Furnace. F. Wares. 1,860,342; May 24.
Furnace. J. B. Willsea and T. A. Kennedy. 1,880,624; Oct. 4.
Furnace and apparatus for charging the same, Open hearth. F. W. Sundblad. 1,859,754; May 24.
Furnace and control therefor, Electric. E. C. Glitzke. 1,861,472; June 7.
Furnace and furnace draft control. F. X. and E. J. Lauterbur. 1,891,100; Dec. 13.
Furnace and manufacture of the same, Steel melting. A. Sprenger. 1,849,441; Mar. 15.
Furnace and operating same, Cupola. M. L. Hamlin. 1,861,214; May 31.
Furnace and operating the same. D. S. Jacobus. 1,848,565; Mar. 8.
Furnace and operating the same. H. P. Kirchner. 1,867,012; July 12.
Furnace and operating the same. C. E. Lucke. 1,860,366; May 31.
Furnace and operating the same, Electric. R. C. Benner, G. J. Easter, and C. E. Hawke. 1,867,646; July 19.
Furnace and operating the same, Open hearth. W. H. Sommer. 1,841,261; Jan. 12.
Furnace and the like, Heat treating. E. D. Flintermann. 1,842,981; Jan. 26.
Furnace arch. P. W. Matthews. 1,848,737; Mar. 8.
Furnace arch. S. Vogt. 1,849,558; Mar. 15.
Furnace arch construction. P. L. A. Moreau. 1,879,406; Sept. 27.
Furnace attachment. J. W. Ternau. 1,862,126; June 7.
Furnace back drafting, Blast. C. H. Heist and B. M. Stubblefield. 1,879,230; Sept. 27.
Furnace bell construction, Blast. P. Zimmerman. 1,855,463; Apr. 26.
Furnace bridge wall and cooling means therefor. C. H. Johnson. 1,878,524; Sept. 20.
Furnace charging apparatus, Blast. D. P. Anderson, jr. and E. C. Miller. 1,846,826; Feb. 23.
Furnace charging device. C. R. Kuzell. 1,883,976; Oct. 25.
Furnace charging device. S. E. McQuigg. 1,882,224; Oct. 11.
Furnace closure. L. H. Hosbein. 1,858,504; May 17.
Furnace combustion control system. F. D. Potter. 1,849,638; Mar. 15.
Furnace construction. R. C. Brett. 1,886,937; Nov. 8.
Furnace construction. W. B. Chapman. 1,888,585; Nov. 22.
Furnace construction. L. Ellman. 1,870,615; Aug. 9.
Furnace construction. R. D. Foltz. 1,858,489; May 17.
Furnace construction. R. D. Foltz. 1,868,352; July 19.
Furnace construction. R. D. Foltz. 1,870,721; Aug. 9.
Furnace construction. L. H. Hosbein. 1,870,568; Aug. 9.
Furnace construction. H. V. Leahy. 1,889,993; Dec. 6.
Furnace construction. R. L. Leventry. 1,868,172; July 19.
Furnace construction. L. Mambourg. 1,872,477; Aug. 16.

Furnace construction. J. Merryweather. 1,859,743; May 24.
Furnace construction. A. E. Morelock. 1,863,634; June 21.
Furnace construction. H. R. Riley. 1,861,135; May 31.
Furnace construction. F. I. Sheahan. 1,843,375; Feb. 2.
Furnace construction. E. L. Watson. 1,844,453; Feb. 9.
Furnace construction, Boller. H. P. Kirchner. 1,872,972; Aug. 23.
Furnace construction, Convertible gas. B. F. Powell. 1,865,045; June 28.
Furnace construction, Induction electric. F. Eibl. 1,890,773; Dec. 13.
Furnace construction, Recuperative. J. R. George. 1,858,730; Nov. 22.
Furnace construction, Roasting. D. Baird and G. E. Connolly. 1,852,600; Apr. 5.
Furnace control, Heating. R. W. Stem. 1,871,093; Aug. 9.
Furnace control, Heating. R. W. Stem. 1,882,341; Oct. 11.
Furnace control, Integrated. T. W. Delaney. 1,891,081; Dec. 13.
Furnace control, Motor actuated. A. Penn. 1,881,955; Oct. 11.
Furnace control, Open hearth. J. K. Mawba. 1,848,184–5; Mar. 8.
Furnace conveyer shaft with disks. F. A. Fahrenwald. 1,872,711; Aug. 23.
Furnace cover, Power operated. C. Wright. 1,881,338; Oct. 4.
Furnace draft control. F. J. Berchtold and L. Cleven. 1,885,506; Nov. 1.
Furnace electrode suspension. A. G. Ripberger. 1,846,040; Feb. 23.
Furnace feeding apparatus. R. A. Hawkins and H. W. Mossman. 1,857,202; May 10.
Furnace feeding device. P. R. Hord. 1,891,311; Dec. 20.
Furnace for dewatering and the like. E. J. Fowler. 1,852,646; Apr. 5.
Furnace for effecting heat treatments. E. O. Sessions. 1,878,896; Sept. 20.
Furnace for heat treating metals. W. R. Chapin. 1,883,555; Oct. 18.
Furnace for melting metals, Duplex. V. S. Durbin. 1,872,393; Sept. 20.
Furnace for melting metals, Rotary drum. C. Brackelsberg. 1,881,117; Oct. 4.
Furnace for parallel operation, Inductor. E. F. Northrup. 1,849,309; Mar. 15.
Furnace for stills, etc. G. W. King. 1,881,607; Oct. 11.
Furnace front. F. Wares. 1,860,443; May 31.
Furnace front wall. W. Busfield, jr. 1,885,075; Oct. 25.
Furnace heat circulator. C. E. Pearson and E. I. Davis. 1,875,393; Sept. 6.
Furnace humidifier. R. Klomparens. 1,881,678; Oct. 11.
Furnace installation, Electric. O. Eisenhut, A. Bass, and J. A. Meier. 1,864,485; June 21.
Furnace jacket. G. D. Hauser. 1,887,760–1; Nov. 15.
Furnace leer, Muffle. W. A. Morton. 1,870,262; Aug. 9.
Furnace lining. E. L. Crosby and A. E. Rhoads. 1,883,590; Oct. 18.
Furnace lining, Induction. N. R. Davis and G. A. Wood. 1,871,159; Aug. 9.
Furnace mechanism and process for bloating clay. E. M. Wright and H. P. Weiss. 1,850,221; Mar. 22.
Furnace, Operating a cupola. A. L. Boegehold. 1,872,569; Aug. 16.
Furnace, Operating a cupola. V. S. Durbin. 1,888,759; Nov. 22.
Furnace operation. C. W. Andrews. 1,840,688; Jan. 12.
Furnace panel, Heat insulating. H. B. Aldrich. 1,864,333; June 21.
Furnace port. J. N. Wilson. 1,873,093; Aug. 23.
Furnace pressure regulator. C. F. Bleyer. 1,853,497; Apr. 12.
Furnace pressure regulator. A. Steinbart. 1,869,442; Aug. 2.
Furnace register. R. Klomparens. Des. 86,776; Apr. 19.
Furnace regulating device for steam boilers, Automatic. H. Rabe. 1,848,803; Mar. 8.
Furnace regulator. O. H. Dicke. 1,857,531; May 10.
Furnace residues, Disposal of. J. Deutsch. 1,866,756; July 12.
Furnace resistor, Electric. J. Kelleher. 1,841,537; Jan. 19.
Furnace resistor, Electrical. C. L. Ipsen and A. N. Otis. 1,842,972; Jan. 26.
Furnace resistor element, Electric. F. A. Fahrenwald. 1,849,288; Mar. 15.
Furnace roll or shaft. F. S. Snyder and C. H. Sipe. 1,872,977; Aug. 9.
Furnace structure. R. E. Wilson. 1,871,937; Aug. 16.
Furnace tilting mechanism. T. A. Feehan. 1,884,637; Oct. 25.
Furnace tuyère. Blast. R. H. Ledbetter. 1,849,718; Mar. 15.
Furnace wall. F. B. Bigelow. 1,845,902; Feb. 16.
Furnace wall. F. B. Bigelow. 1,859,650; May 24.
Furnace wall. G. W. Davey. 1,848,110; Mar. 8.
Furnace wall. J. V. Done. 1,843,384; Feb. 2.
Furnace wall. A. L. Keeler. 1,868,171; July 19.
Furnace wall. A. E. Smith. 1,862,713; June 14.
Furnace wall. A. E. Smith and B. F. Snow. 1,858,812; May 17.
Furnace wall, Air-cooled. J. S. Bennett. 1,890,364; Dec. 6.
Furnace wall construction. F. I. Sheahan. 1,875,667; Sept. 6.
Furnace wall construction. J. Van Brunt. 1,890,170; Dec. 6.
Furnace wall structure. F. B. Bigelow. 1,861,737; June 7.
Furnace wall structure. E. Lundgren. 1,857,561; May 10.
Furnace wall structure. A. E. Nash. 1,870,783; Aug. 9.
Furnace walls and linings, Making and patching. H. Neuhauss. 1,876,734; Sept. 13.
Furnace with cooling means, Electric. A. E. Greene. 1,861,213; May 31.
Furnaces and producing the same, Refractory arch for. E. G. Bailey. Re18,326; Jan. 12.
Furnaces and the like, Increasing the output of mechanical roasting. A. V. Carlson. 1,846,991; Feb. 23.
Furnaces, Automatic feeder for coal burning. F. A. Stolte. 1,888,439; Nov. 22.
Furnaces, Connecting collar for. D. L. Lamb. 1,839,682; Jan. 5.
Furnaces, Controlling coal-dust. G. Hayn. 1,890,542; Dec. 13.
Furnaces, Feeding mechanism for roasting. R. C. Kunkel. 1,857,919; May 10.
Furnaces, Metallic resistor for electric. T. F. Baily. 1,864,234; June 21.
Furnaces, Method and system for controlling regenerative. W. R. Schofield, jr. 1,886,430; Nov. 8.
Furnaces, Operating. L. de Flores. 1,862,737; June 14.
Furnaces, Operating cupola. S. P. Miller. 1,889,757; Dec. 6.
Furnaces to a rotary furnace, Connecting one or several soda melting. B. H. O. de Verdier. 1,851,814; Mar. 29.
Furnaces, Work supporting bar for enameling. F. A. Fahrenwald. 1,872,629; Aug. 16.
Furnaces working with different fuels, Process and apparatus for regulating. K. Löbbecke. 1,839,977; Jan. 5.
Furnishing, Concealing. L. de Flores. 1,870,719; Aug. 9.
Furnishings, Collapsible. W. C. Fain. 1,841,282; Jan. 12.
Furniture. M. H. Gambee. 1,888,663; Nov. 22.
Furniture. W. R. Smart. 1,873,347; Aug. 23.
Furniture and hinge therefor, Article of. B. S. Vaughan. 1,845,771; Feb. 16.
Furniture and radio receiving apparatus, Combined. J. H. Farrell and C. T. Westmoreland. 1,857,716; May 10.
Furniture, Apparatus for casting type. A. G. Stevenson. 1,894,245; Oct. 25.
Furniture brace. T. H. Wittliff. 1,885,664; Nov. 1.
Furniture, Collapsible. S. D. Weaver. 1,853,182; Apr. 12.
Furniture, Combination article of. M. H. Loughridge and J. S. Holliday. 1,841,618; Jan. 19.
Furniture, Combination article of. E. Pollkoff. 1,857,401; May 10.
Furniture construction. F. J. Blakeslee. 1,875,698; Sept. 6.
Furniture construction. F. O. Gardiner. 1,844,753; Feb. 9.
Furniture construction. R. K. Merrill. 1,875,635; Sept. 6.
Furniture construction. R. F. Taylor. 1,872,525; Aug. 16.
Furniture, Convertible. C. A. Penrose. 1,881,095; Oct. 4.
Furniture, Convertible. W. D. Rich. 1,844,904; Feb. 9.
Furniture, Convertible. W. D. Rich. 1,855,488–9; Apr. 26.
Furniture, Device for treating articles of. W. Rees. 1,844,527; Feb. 9.
Furniture, Folding. D. L. Johnson. 1,846,492; Feb. 23.
Furniture foot. J. E. Bales. 1,843,261; Feb. 2.
Furniture glide. W. M. Darnell. 1,853,625; Apr. 26.
Furniture joint. C. Wöllmer. 1,853,793; Apr. 12.
Furniture, Kiln. L. L. Ladd. 1,879,808; Sept. 27.
Furniture, Knockdown woven. J. J. Butzen. 1,856,315; May 3.
Furniture, Manufacture of. A. Herman. 1,868,573; July 26.
Furniture, Metal. R. G. Calton. 1,870,174; Aug. 2.
Furniture, Metal. R. H. Soper. 1,877,469; Sept. 13.
Furniture, Metal. L. A. Vanderhoof. 1,840,141–2; Jan. 5.
Furniture, Metallic. F. C. Ferguson. 1,888,208; Nov. 22.
Furniture panel, Nursery. L. Fuller and K. F. Schmidt. Des. 88,521–6; Dec. 6.
Furniture, Printing. H. Powers. 1,866,223; July 5.
Furniture set, Combination. E. F. White. 1,870,789; Aug. 9.
Furniture, Sheet metal. A. Witke, P. E. Huetten, O. Rosemann, J. F. Molling, and C. F. Martell. 1,865,603; July 5.
Furniture shoe. P. Jantsen and J. J. Lynch. 1,849,835–6; Mar. 15.
Furniture, Spring base. L. Larsen. 1,875,034; Aug. 30.
Furniture, Store. G. G. Wieland. 1,865,734; July 5.
Furring and spacing device. J. McSkimming. 1,888,878; Nov. 22.
Furrow opener, Disk. J. Morkovski. 1,868,539; July 26.
Furrow packing machine. H. O. Cooper. 1,843,110; Feb. 2.
Furrow slicer, Power actuated. H. H. Glasier. 1,860,534; May 31.
Furrowing machine. E. E. Jones. 1,842,175; Jan. 19.

Furrowing-out attachment. J. F. Siems. 1,851,597; Mar. 29.
Fuse. E. Blomquist. 1,887,281; Nov. 8.
Fuse. E. Blomquist. 1,887,369; Nov. 8.
Fuse. J. R. Fogal. 1,857,298; May 10.
Fuse. J. R. Fogal. 1,874,948; Aug. 30.
Fuse. J. R. Fogal. 1,874,949; Aug. 30.
Fuse. J. R. Fogal. 1,890,379; Oct. 4.
Fuse. K. B. Davey. 1,872,448; Aug. 16.
Fuse. J. Lagundro. 1,858,157; May 10.
Fuse. F. C. La Mar. 1,845,759; Feb. 16.
Fuse. F. C. La Mar. 1,860,313; May 24.
Fuse. C. Ringwald. 1,862,317; June 7.
Fuse. J. D. Roberts and C. H. Thomas. 1,867,924; July 19.
Fuse. I. G. Rooder. 1,875,161; Aug. 30.
Fuse. E. O. Schweitzer. 1,873,331; Aug. 23.
Fuse. R. C. Smalley. 1,850,813; Mar. 22.
Fuse. A. G. Steinmayer. 1,849,440; Mar. 15.
Fuse. A. G. Steinmayer. 1,853,093; Apr. 12.
Fuse. A. G. Steinmayer. 1,873,498; Aug. 23.
Fuse. A. Urfer. 1,891,291; Dec. 20.
Fuse and assembling the same, Electric. H. T. Bussmann. 1,851,271; Oct. 4.
Fuse and disconnecting switch, Combined. C. E. Bennett. 1,859,194; May 17.
Fuse and making the same, Low capacity. E. V. Sundt. 1,861,369; May 31.
Fuse and switch handling device. H. W. Bodendieck. 1,858,153; May 10.
Fuse block. G. B. Wadsworth. 1,851,471; Mar. 29.
Fuse block and fuse therefor. E. A. France and H. G. Knuderer. 1,888,854; Nov. 22.
Fuse block for automobiles. G. S. Mogilner. 1,863,932; June 21.
Fuse box. F. C. Hush. 1,885,111; Nov. 1.
Fuse box, Self loading. H. F. Schmidt. 1,873,488; Aug. 23.
Fuse box structure. J. F. Dohrwardt. 1,857,442; May 10.
Fuse, Cartridge. H. R. Cook. 1,854,450; Apr. 19.
Fuse, Cartridge. J. B. Glowacki. 1,857,096; May 3.
Fuse, Cartridge. C. A. Johnson. 1,861,744; June 7.
Fuse cartridge. L. S. Waldron and T. B. Terry. 1,872,854; Aug. 23.
Fuse clip. A. Alsaker and J. Markese. 1,876,536; Sept. 13.
Fuse clip. J. G. Jackson. 1,883,790; Oct. 18.
Fuse clip. O. H. Jung and P. E. Heffelinger. 1,878,779; Sept. 20.
Fuse, Combination. J. M. King. 1,848,355; Mar. 8.
Fuse combination. J. Parsons and J. H. Stover. 1,875,932; Sept. 6.
Fuse composition stream member having reenforced ignition thereon. 1,839,747; Jan. 5.
Fuse containing switch. J. Ciotta. 1,847,172; Mar. 1.
Fuse device, Vacuum. D. C. Prince. 1,889,497; Nov. 29.
Fuse, Disconnecting. L. C. Hart. 1,851,250; Mar. 29.
Fuse, Electric. A. J. Bowie. 1,852,104; Apr. 5.
Fuse, Electric. H. T. Bussmann. 1,875,415; Sept. 6.
Fuse, Electric. W. Eschbach and W. Friederich. 1,839,746; Jan. 5.
Fuse, Electric. F. C. La Mar. 1,866,536; July 12.
Fuse, Electric. J. Schürmann. 1,868,224; July 19.
Fuse, Electric. A. H. and G. R. Trumbull. 1,878,204; Sept. 20.
Fuse, Electrical. J. C. Rea. 1,844,525; Feb. 9.
Fuse element, Renewable. J. B. Glowacki. 1,857,098; May 3.
Fuse element, Replaceable. J. B. Glowacki. 1,857,097; May 3.
Fuse, Expulsion. C. H. Thomas. 1,867,899; July 19.
Fuse, Expulsion. C. H. Thomas. 1,872,021; Aug. 16.
Fuse, Fire-damp proof time. E. Karollus. 1,856,642; May 3.
Fuse for airplane flares. J. S. Barker. 1,857,131; May 10.
Fuse for antiaircraft projectiles. T. B. Doe. 1,863,838; June 21.
Fuse for antiaircraft projectiles. T. B. Doe. 1,870,405; Aug. 9.
Fuse for armour-plate piercing shells, Bottom impact. E. J. T. Wennerström. 1,850,042; Mar. 15.
Fuse for artillery projectiles. A. Varaud. 1,863,888; June 21.
Fuse for high or low voltage, Electrical. H. Gerdien. 1,856,701; May 3.
Fuse for projectiles. G. H. Bardsley. 1,850,196; Mar. 22.
Fuse for projectiles. T. B. Doe. 1,863,837; June 21.
Fuse for projectiles, Electric. H. Rühlemann. 1,858,969; May 17.
Fuse for projectiles, Mechanically operated. P. Lieberged. 1,890,256; Dec. 6.
Fuse for rotating projectiles. E. W. Brandt. 1,861,521; June 7.
Fuse for rotative projectiles, Mechanical delay. E. W. Brandt. 1,890,176; Dec. 6.
Fuse, High vacuum. D. C. Prince. 1,891,111; Dec. 13.
Fuse indicator. M. E. Hassell and E. W. Gorham. 1,857,019; May 3.
Fuse indicator. F. C. La Mar. 1,868,464–5; July 19.
Fuse indicator. F. C. LaMar. 1,876,426; Sept. 6.
Fuse, Large capacity oil. P. E. Hart. 1,892,102; Dec. 27.
Fuse link bead. T. Birkemaier. 1,880,702; Oct. 4.
Fuse mechanism. T. E. Murray, jr. 1,850,213; Mar. 22.
Fuse, more particularly for artillery and aircraft projectiles. L. E. Remondy. 1,854,669; Apr. 19.
Fuse, Multiple. L. S. O'Neil. 1,850,685; Mar. 22.
Fuse, Multiple. S. J. Wynn. 1,870,597; Aug. 9.
Fuse, Multiple conductor. F. Zodrow and E. Schrank. 1,889,585; Nov. 29.
Fuse, Multiple electric. G. L. Bladholm. 1,855,086; Apr. 19.
Fuse of a specially responsive type for projectiles. L. P. A. Auriol. 1,852,951; Apr. 5.
Fuse plug panel and block. E. A. Olley. 1,856,423; May 3.
Fuse, Point detonating. D. L. Woodberry. 1,842,467; Jan. 26.
Fuse puller. H. W. Bodendieck. 1,840,150; Jan. 5.
Fuse puller. B. Dowlcic. 1,859,767; May 24.
Fuse puller. H. C. Fiske. 1,876,852; Sept. 13.
Fuse, Refillable ferrule. D. E. Carney. 1,881,369; Oct. 4.
Fuse, Renewable. R. Athey. 1,857,581; May 10.
Fuse, Renewable. F. C. La Mar. 1,858,444; May 17.
Fuse, Self-indicating refillable electric cartridge. F. C. Schmid. 1,866,491; July 5.
Fuse-setting device for aircraft bombs. G. H. Cooke. 1,880,122; Sept. 27.
Fuse tip, Safety combination. D. F. McRae. 1,856,419; May 3.
Fuse, Visible link cartridge. T. F. Cote. 1,852,700; Apr. 5.
Fuse wrench. E. A. Bohlman. 1,886,155; Nov. 1.
Fuse wrench. E. C. Hay. 1,852,152; Apr. 5.
Fuselage construction. G. M. Bellanca. 1,859,277; May 24.
Fuselage construction. J. Ledwinka and E. J. W. Ragsdale. 1,851,194; Mar. 29.
Fuselage consstruction. S. T. Payne. 1,874,610; Aug. 30.
Fuselage, Sound absorbing monocoque. R. G. Miller. 1,892,070; Dec. 27.
Fusible element for protecting electrical circuits. W. T. Clark. 1,856,317; May 3.
Gain control apparatus. W. H. T. Holden. 1,849,189; Mar. 15.
Gain control, Automatic. E. Bruce. 1,890,454; Dec. 13.
Gaining and boring machine, Combined. D. McNeil. Re18,440; Apr. 26.
Gallery and related parts, Electric. T. E. Murray and R. Baker. 1,867,706; July 19.
Galley. Flexible. C. Chisholm and P. M. Colquhoun. 1,858,481; May 17.
Galley for line casting machines. E. M. Goodbody. 1,860,243; May 24.
Galleys, Printing. G. D. Bailey. 1,862,998; June 14.
Galoshes, shoes with rubber soles or the like by pressing, Making. H. C. L. Dunker. 1,870,359; Aug. 9.
Galvanizing furnace. W. G. Imhoff. 1,855,834; Apr. 26.
Galvanizing, Method and apparatus for. D. Tulloch. 1,855,876; Nov. 1.
Galvanizing or electroplating process. M. von Devecls. 1,858,125; May 10.
Galvanometer. G. Ising. 1,877,243; Sept. 13.
Gambrel. S. Mitskoff. 1,866,900; July 12.
Game. H. M. Becker. 1,845,473; Feb. 16.
Game. J. F. Blanck. 1,877,051; Sept. 13.
Game. F. R. Chester. 1,869,842; Aug. 2.
Game. F. R. Chester. 1,885,802; Nov. 1.
Game. O. Christiansen. 1,874,053; Aug. 19.
Game. M. A. Dalton. 1,855,543; Apr. 26.
Game. W. K. Dingledine. 1,888,980; Nov. 29.
Game. F. A. Dorsey. 1,874,959; Aug. 30.
Game. H. E. Goodwin. 1,866,138; July 5.
Game. H. R. Gottfried. 1,850,715; Mar. 22.
Game. G. S. Griner. 1,877,007; Sept. 13.
Game. J. Heidemann. 1,877,865; Sept. 20.
Game. P. Horn and F. Zipp. 1,872,454; Aug. 16.
Game. C. A. Howland. 1,887,642; Nov. 15.
Game. T. S. Hutchison. 1,887,353; Nov. 8.
Game. B. E. Jones. 1,850,675; Mar. 22.
Game. E. and L. Livingston. 1,864,500; June 21.
Game. R. I. Mayorga. 1,887,797; Nov. 22.
Game. L. W. Mulvey. 1,882,294; Oct. 11.
Game. R. F. Nekuda. 1,873,211; Aug. 23.
Game. K. Peter. 1,869,954; Aug. 2.
Game. C. V. Rather. 1,866,821; July 12.
Game. F. R. Richards. 1,859,220; May 17.
Game. N. Robin. 1,849,956; Mar. 15.
Game. Y. Terasaka. 1,863,358; June 14.
Game. H. Trost. 1,871,247; Aug. 9.
Game apparatus. G. L. Bonham. 1,871,143; Aug. 9.
Game apparatus. A. J. Brand. 1,887,900; Nov. 15.
Game apparatus. B. H. Bridgers. 1,870,168; Aug. 2.
Game apparatus. M. V. and C. W. Coplen. 1,890,770; Dec. 13.
Game apparatus. F. O. Degenhardt. 1,846,415; Feb. 23.
Game apparatus. W. Dell. 1,857,115; May 10.
Game apparatus. E. Fish. 1,842,865; Jan. 26.
Game apparatus. J. T. Gibbs. Des. 86,836; Apr. 26.
Game apparatus. J. E. Graham. 1,851,900; Mar. 29.
Game apparatus. C. M. Gravatt. 1,855,036; Apr. 26.
Game apparatus. C. M. Gravatt. Des. 88,776; Dec. 27.
Game apparatus. W. T. Greenan. 1,886,479; Nov. 8.
Game apparatus. G. W. Hause. 1,886,399; Nov. 8.
Game apparatus. M. Hix. 1,847,963; Mar. 1.
Game apparatus. G. E. Johnson. 1,853,900–1; Apr. 12.
Game apparatus. E. H. Plenge. 1,849,762; June 26.
Game apparatus. S. M. Quinn. 1,876,469; Sept. 6.

Game apparatus. W. J. Roche. 1,858,113; May 10.
Game apparatus. H. O. Sheldon. 1,866,674; July 12.
Game apparatus. T. H. Sloan. 1,866,063; July 5.
Game apparatus. A. K. Small, jr. 1,856,117; May 3.
Game apparatus. C. B. Terry. 1,846,531; Feb. 16.
Game apparatus. S. L. Vaccaro. 1,870,536; Aug. 9.
Game apparatus. D. E. Walker. 1,856,798; May 3.
Game apparatus. A. Weinberg. 1,867,962; July 19.
Game apparatus. A. Weinberg. 1,846,412; Feb. 23.
Game apparatus. Coin controlled. M. Horwitz. Des. 87,748; Sept. 13.
Game apparatus, Marble gun. A. Andersen. 1,862,877; June 14.
Game appliance. H. O. Costello. 1,877,820; Sept. 20.
Game appliance, Putting. J. H. Boye. 1,874,873; Aug. 30.
Game board. A. H. Bechtol. Des. 87,700; Aug. 30.
Game board. A. H. Bechtol and W. A. Tratsch. Des. 87,379; July 19.
Game board. K. E. Brewer. 1,850,072; Mar. 22.
Game board. A. B. Cooke. Des. 87,204; June 21.
Game board. J. Cuchran and H. Hinterkopf. Des. 87,906; Oct. 11.
Game board. L. B. Elliott. Des. 86,562; Mar. 22.
Game board. J. F. Geibel. 1,880,175; Sept. 27.
Game board. C. A. Graham. Des. 86,769; Apr. 19.
Game board. P. H. Hubrich. Des. 86,913; May 10.
Game board. G. R. Livingston. Des. 86,170–1; Feb. 9.
Game board. J. E. Markle. Des. 87,930; Oct. 11.
Game board. R. H. Schrenk. Des. 87,938; Oct. 11.
Game board. C. L. Sharp. 1,890,950; Dec. 13.
Game board. W. M. Smith. Des. 85,960; Jan. 5.
Game board. J. L. Swinderman. Des. 88,003; Oct. 18.
Game board. H. P. Troendly, F. Pareira. Des. 88,117; Oct. 25.
Game board. N. L. Warford. Des. 86,000; Jan. 12.
Game board and tray, Combined. W. A. O'Brien. Des. 86,932; May 10.
Game board or bowl. H. H. Acher. 1,850,045; Mar. 15.
Game board or similar article. J. S. Nicholas. Des. 86,178; Feb. 9.
Game board or the like. F. Barnard. Des. 87,143; June 14.
Game device. A. A. Almada. 1,876,128; Sept. 6.
Game device. J. G. Cohen. 1,866,545; July 12.
Game device. H. E. Dixon. 1,887,068; Nov. 8.
Game device. D. C. Rockola. Des. 87,759; Sept. 13.
Game device, Whirlpool. C. C. De Pew. 1,877,230; Sept. 13.
Game, Electrical. E. Linke. 1,858,020; May 10.
Game indicator. W. C. Ferris and R. M. Brennan. 1,860,095; May 24.
Game indicator, Football. J. S. Kotlarz. 1,870,515; Aug. 9.
Game, Mechanical. A. J. Gumina and G. T. Overing, jr. 1,860,460; May 31.
Game, Military. W. R. Weaver. 1,877,154; Sept. 13.
Game piece. C. H. Wilson. Des. 86,939; Nov. 8.
Game, Race. N. Bel Geddes. 1,889,531; Nov. 29.
Game, Sales stimulator. R. E. Morgan. 1,892,113; Dec. 27.
Game scoring device. C. M. Poetsch. 1,867,170; July 12.
Game, Stick. K. Hoglind. 1,885,260; Nov. 1.
Game table. E. P. Esping. Des. 86,708; Apr. 12.
Game table. R. A Hennings. Des. 87,391; July 19.
Game table. J. A. Jambul. 1,859,033; Jan. 5.
Game table. A. B. McCormick. 1,877,190; Sept. 13.
Game table. T. Nagai. 1,875,198; Aug. 30.
Game table. J. P. Partlow. Des. 87,977; Oct. 18.
Game table. J. Schaffit. 1,850,420; Mar. 22.
Game table. W. J. Smith, jr. Des. 86,586; Mar. 22.
Game table. C. A. Toce. Des. 86,942; May 10.
Game table. W. S. Wright. Des. 86,550; Mar. 15.
Game table, Mechanically operated. C. Rodgers. 1,879,511; Sept. 27.
Game trap. F. E. Adams. 1,862,561; June 14.
Game trap. H. G. Greene. 1,851,096; Mar 29.
Game trap. J. I. Pneuman. 1,862,580; June 14.
Games, Apparatus for practicing. F. A. Joseph. 1,850,174; Mar. 22.
Games, Art and apparatus for. R. S. Blair. 1,868,088; Jun 9.
Games, Playing unit for marble. H. Steiger. Des. 87,733; Sept. 6.
Gaming table. R. F. Cannon. Des. 86,218; Feb. 16.
Gang-casting machine, Centrifugal. L. W. Moulton. 1,885,465; Nov. 1.
Gangue from metals, Treating and recovery of. W. H. Smith. 1,851,376; Mar. 29.
Gap indicating mechanism for railway switch signals. R. S. McElhaney. 1,885,490; Nov. 1.
Garage. C. F. Davis. 1,849,348; Mar. 15.
Garage. E. Geiger. 1,848,774; Mar. 8.
Garage. F. W. d'Humy. 1,885,696; Nov. 8.
Garage, Automatic. E. H. Ziebarth. 1,852,633; Apr. 5.
Garage construction. C. H. Snyder. 1,874,649; Aug. 30.
Garage creeper. B. M. Stannard. 1,853,007; Apr. 5.
Garage door lock. O. L. Dautrick. 1,880,859; Oct. 4.
Garage elevator. H. D. James. 1,871,372; Aug. 9.
Garage elevator. F. E. Lewis. 1,856,876; May 3.
Garage, Mechanical. E. Geiger. 1,877,293; Sept. 13.
Garage, Mechanical parking. E. Geiger. 1,863,748; June 21.
Garage, Parking. E. Geiger. 1,869,743; Aug. 2.
Garage, Storage. E. O. and F. A. McHenry. 1,867,675; July 19.
Garage structure. H. L. Woolfenden. 1,842,740; Jan. 26.
Garbage burner. G. R. Howle. 1,859,445; May 24.
Garbage liquor solid and forming same, Cooked. E. W. McCullough. 1,868,669; July 26.
Garbage utilization and disposal plant. B. Parker. 1,890,332; Mar. 22.
Garden and lawn implement, Combined. W. R. and P. Peeler. 1,848,651; Mar. 8.
Garden frame. E. F. Marshall. 1,887,815; Nov. 15.
Garden implement. J. M. Cunningham. 1,855,282; Apr. 26.
Garden implement. V. M. Pyatt. 1,873,215; Aug. 23.
Garden reel. C. Uitendaal. 1,871,483; Aug. 16.
Garment. E. Ash. 1,848,040; Mar. 1.
Garment. F. Ayers. 1,868,066; July 19.
Garment. M. B. Blehert. 1,891,400; Dec. 20.
Garment. R. W. Cellars. 1,842,070; Jan. 19.
Garment. W. D. Craig. 1,885,587; Oct. 18.
Garment. F. M. Curtius. 1,845,131; Feb. 16.
Garment. O. S. Dorr. 1,859,266; May 17.
Garment. E. C. Duff. 1,859,709; Mar. 22.
Garment. H. Garfinkel. 1,877,745; Sept. 13.
Garment. R. W. Gerisch. 1,879,898; Sept. 27.
Garment. H. M. Jacobson. 1,849,578; Mar. 15.
Garment. A. Luft. 1,885,527; Nov. 1.
Garment. R. S. Mason. 1,854,476; Apr. 19.
Garment. J. L. Orem. 1,884,159; Oct. 25.
Garment. A. P. Risley. 1,865,280; June 28.
Garment. B. Rothblum. 1,886,048–9; Nov. 1.
Garment. M. Ryff. 1,876,709; Sept. 6.
Garment. C. Schwartz. 1,886,051; Nov. 1.
Garment and making the same, Reducing. T. A. Bennett. 1,862,046; June 7.
Garment and outfit for use with parachutes, Combined. A. Lemercier. 1,849,628; Mar. 15.
Garment and supporter, Combined. W. L. Ellerbeck and G. A. Steiner. 1,877,322; Sept. 13.
Garment, Apparel. E. C. Duff. 1,840,937; Jan. 12.
Garment, Apparel. W. Kops. 1,848,633; Mar. 8.
Garment, Apparel. R. L. Pace. 1,887,431; Nov. 8.
Garment, Apparel. R. B. Quine. 1,887,486; Nov. 8.
Garment, Apparel. J. H. Rambo. 1,867,630; July 19.
Garment attachment. W. Hubbart. 1,839,222; Jan. 5.
Garment attachment. N. Morin. 1,840,245; Jan. 5.
Garment attachment. M. E. Risacher. 1,891,729; Dec. 20.
Garment, Aviator's. M. Popelakova. 1,845,099; Feb. 16.
Garment, Baby's and young child's sleeping. A. N. Dooley. 1,848,883; Jan. 12.
Garment bag. S. J. Johnson. 1,876,238; Sept. 6.
Garment bag. K. M. Randolph. 1,891,689; Dec. 20.
Garment bag. R. C. Rose. 1,877,778; Sept. 13.
Garment bag. B. Wiesenfeld. 1,864,386; June 21.
Garment, Bifurcated outer. L. F. Rosenbaum. Des. 86,272; Feb. 16.
Garment, Bust-supporting. V. Buchanan. 1,863,830; June 21.
Garment, Catamenial. A. E. Castle. 1,886,642; Nov. 8.
Garment, Child's. L. B. Atherton. 1,853,396; Apr. 12.
Garment clasp. H. Cohn. 1,839,739; Jan. 5.
Garment combination. K. E. Cunningham. 1,859,198; May 17.
Garment, Combination. K. E. Cunningham. 1,871,664; Aug. 16.
Garment, Combination. S. Fox. 1,887,926; Nov. 15.
Garment, Combination. H. M. McDonald. 1,876,311; Sept. 6.
Garment, Combination. I. Roth. 1,856,032; Apr. 26.
Garment, Combination hose supporter and waist encircling. F. W. Roller. 1,885,379; Nov. 1.
Garment construction, Buoyant. E. W. Black and G. L. Hall. 1,845,653; Jan. 26.
Garment display device. J. W. Loney. 1,887,652; Nov. 15.
Garment display rack. M. L. Gover. 1,879,679; Sept. 27.
Garment, Drop-seat. W. D. Scalf. 1,857,335; May 10.
Garment edge. A. J. C. Harper. 1,862,377; June 7.
Garment former. A. J. Rose. 1,876,133; Sept. 13.
Garment, Foundation. R. M. Graves. 1,857,147–8; May 10.
Garment, Foundation. I. Roth. 1,848,842; Mar. 8.
Garment hanger. J. P. Acton. 1,885,503; Nov. 1.
Garment hanger. F. Bernat. Des. 87,707; Sept. 6.
Garment hanger. H. L. Bye. 1,850,550; Sept. 13.
Garment hanger. D. Boone. 1,859,353; May 24.
Garment hanger. F. Borrello. 1,867,247; July 12.
Garment hanger. R. A. Borrill. 1,868,197; July 19.
Garment hanger. J. Dreyfuss. 1,880,900; Oct. 4.
Garment hanger. E. Frenkler. 1,847,056; Feb. 23.
Garment hanger. H. Gilbert. 1,871,609; Aug. 16.
Garment hanger. W. B. Gibson. 1,892,049; Dec. 27.
Garment hanger. H. F. Grauf. 1,840,665; Jan. 12.
Garment hanger. L. Kalina. 1,892,530; Dec. 27.
Garment hanger. C. H. Kraft. 1,880,983; Oct. 4.
Garment hanger. V. J. Marek. 1,882,667; Oct. 18.
Garment hanger. H. C. Molner. 1,888,137; Nov. 15.
Garment hanger. C. Nordvall. 1,886,298; Nov. 1.
Garment hanger. W. R. Pabst. 1,879,946; Sept. 27.
Garment hanger. I. Sessions. 1,886,126; Nov. 1.
Garment hanger. F. Siemen and F. P. Levine. 1,839,605; Jan. 5.
Garment hanger. I. A. Thompson. 1,891,250; Dec. 20.

Garment hanger, Extension. T. H. Hood. 1,861,273; May 31.
Garment hanger frame. G. Subick. 1,846,918; Feb. 23.
Garment hanging and packaging device. J. H. Vineberg. 1,856,241; July 5.
Garment lacing. O. Weingarten. 1,850,781; Mar. 22.
Garment manufacture and the like. M. Budny. 1,844,201; Feb. 9.
Garment, Nether. M. D. Thomas. 1,859,900; May 24.
Garment or ironing press. J. P. Daly. 1,854,827; Apr. 19.
Garment or ironing press. E. Davis. 1,865,238; June 28.
Garment or ironing press. J. C. Ledbetter. 1,855,111; Apr. 19.
Garment or ironing press. J. C. Ledbetter. 1,873,608; Aug. 23.
Garment or ironing press. H. E. Page. 1,887,719; Nov. 15.
Garment or ironing press. A. E. Snow. 1,869,520; Aug. 2.
Garment pocket. J. P. Baccaro. 1,883,461; Oct. 18.
Garment pocket construction. B. J. Smith. 1,866,428; July 5.
Garment press. J. L. Card. 1,870,894; Aug. 9.
Garment press. G. M. Clarke. 1,841,521; Jan. 19.
Garment press. F. W. Lindemann. 1,842,415; Jan. 26.
Garment press. G. Paesler. 1,854,163; Apr. 12.
Garment press. W. Strobridge. 1,864,850; June 28.
Garment press. H. G. Sutton. 1,870,935; Aug. 9.
Garment press. W. A. Zeidler. 1,872,100; Aug. 16.
Garment press, Conveyer. J. C. Ledbetter. 1,875,038; Aug. 30.
Garment pressing machine. F. E. Baker. 1,883,862; Oct. 25.
Garment pressing machine. H. G. Beede. 1,842,499; Jan. 26.
Garment pressing machine. C. M. Clarke. 1,886,644; Nov. 8.
Garment pressing machine. A. J. Hoffman. 1,881,581; Oct. 11.
Garment pressing machine. H. C. A. Meyer. 1,888,879; Nov. 22.
Garment pressing machine. G. M. Svojse. 1,848,210; Mar. 8.
Garment pressing machine. E. H. Zacharias. 1,861,894; June 7.
Garment, Protective. M. G. Schneider. 1,884,284; Oct. 25.
Garment, Protective. B. A. Slocum. 1,865,709; July 5.
Garment, Protective chest. A. R. Chisholm. 1,850,496; Mar. 22.
Garment, Protective outer. A. S. Jennings. 1,888,676; Nov. 22.
Garment stretching device. E. A. Emery and O. V. Bowden. 1,841,719; Jan. 19.
Garment, Women's. F. Gardner. 1,851,826; Mar. 29.
Garments, Apparatus for forming and finishing scalloped edges of. S. Dowinsky. 1,885,056; Oct. 25.
Garments, Apparatus for tailoring. M. Hellot. 1,860,579; May 31.
Garments, Stretching tubular. E. Emery and O. V. Bowden. 1,855,544; Apr. 26.
Garnett or batting machine. A. Breckenridge. 1,857,039; May 3.
Garter. H. Barnowitz. 1,840,302; Jan. 12.
Garter. S. P. C. Borson. 1,859,070; May 17.
Garter. Mieres. 1,882,250; Oct. 11.
Garter. J. Mieres. 1,886,208; Nov. 1.
Garter. E. S. Mix. Des. 86,533; Mar. 15.
Garter. E. S. Mix. 1,847,776; Mar. 1.
Garter. H. A. Perer. Des. 87,404; July 19.
Garter. B. Wolf. 1,855,374; Apr. 26.
Garter clasp, Stitchless. M. M. Beskind and J. Mayper. 1,838,344; June 14.
Garter, Garment. T. J. Kelly. 1,844,166; Feb. 9.
Garter or the like. A. P. Lubell. 1,871,066; Aug. 9.
Garter pad form and hook. W. Breslin. 1,891,910; Dec. 27.
Garter, Pressure relief. C. A. Stevenson. 1,845,527; Feb. 16.
Garter, Woman's. G. B. Pelton. 1,842,996; Jan. 26.
Gas analysis apparatus. W. O. Hebler. 1,860,541; May 31.
Gas analysis apparatus. W. O. Hebler. 1,874,520; Aug. 30.
Gas analysis apparatus. R. H. Krueger and J. H. Oetjen. 1,870,544; May 31.
Gas analysis apparatus. R. H. Krueger and W. F. Hamilton. 1,874,549; Aug. 30.
Gas analyzer. W. A. Ross. 1,888,229; Nov. 22.
Gas and carbonized fuel, Manufacture of combustible. H. O. Loebell. 1,840,403; Jan. 12.
Gas and carbonized fuel, Manufacturing. J. F. Byrne. 1,870,883; Aug. 23.
Gas and coal gas, Apparatus for making mixed water. S. J. B. Tully and O. E. Yeo. 1,880,162; Sept. 27.
Gas and coal gas, Apparatus for the manufacture of enriched water. A. V. Tully. 1,880,161; Sept. 27.
Gas and coke, Producing. R. M. Folsom. 1,886,949; Nov. 8.
Gas and hydrocarbon motor fuel, Producing carburetted. C. J. Ramsburg. 1,846,403; Feb. 23.
Gas and liquid contact apparatus. W. G. Laird. 1,858,158; May 10.
Gas and liquid contact apparatus. F. W. Sperr, jr. 1,873,064; Aug. 23.
Gas and liquid contact apparatus. F. H. Wagner. 1,868,618; July 26.
Gas and liquid separating apparatus. H. P. Pinkham. 1,844,138; Feb. 9.
Gas and odor eliminator for motor vehicles, Exhaust. C. Boger. 1,867,802; July 19.
Gas and oil burner, Combination. R. H. Forney. 1,887,407; Nov. 8.
Gas and oil burner, Combination. A. W. Morse. 1,860,942; May 31.
Gas and oil burner, Combination. A. W. Morse. 1,877,942; Sept. 20.
Gas and oil burner, Combined. W. E. Goldsborough. 1,872,930; Aug. 23.
Gas and oil burner, Combined automatic. L. L. Scott. 1,840,744; Jan. 12.
Gas and oil separator, Spiral. R. Deming. 1,860,238; May 24.
Gas and smoke protection, Mechanical system for. F. J. Bridgeman. 1,863,965; June 21.
Gas. Apparatus for absorbing. H. J. Nichols, jr., and P. E. Kuhl. 1,869,611; Aug. 2.
Gas, Apparatus for cleaning blast furnace. R. R. Harmon. 1,844,850; Feb. 9.
Gas, Apparatus for generating combustible. C. O. Wannack. 1,854,819; Apr. 19.
Gas, Apparatus for generating combustible. C. O. Wannack. 1,863,143; June 21.
Gas, Apparatus for producing and utilizing. J. Delattre-Seguy. 1,850,945; Mar. 22.
Gas, Apparatus for producing water. W. Bennhold. 1,892,456; Dec. 27.
Gas, Apparatus for washing. H. A. Brassert and C. Dougan. 1,840,654; Jan. 12.
Gas pulsance control. E. J. Te Pas. 1,842,336; Jan. 19.
Gas attachment. M. W. Sarsfield. 1,863,806; June 21.
Gas balance, Differential. A. B. Cunningham. 1,877,738; Sept. 13.
Gas black, Method of and apparatus for preparing. W. K. Lewis. 1,891,202; Dec. 13.
Gas burner. K. B. Anderson. 1,852,443; Apr. 5.
Gas burner. W. G. Bagley. 1,879,916; Sept. 27.
Gas burner. B. C. Bartlebaugh. 1,874,691; Aug. 30.
Gas burner. A. R. Bechtel. 1,865,003; June 14.
Gas burner. G. W. Blakesley. 1,880,719; Oct. 4.
Gas burner. G. W. Blakesley. 1,886,806; Nov. 8.
Gas burner. N. T. Branche. 1,841,665; Jan. 19.
Gas burner. L. O. Brown. 1,870,668; Aug. 9.
Gas burner. C. W. Campbell and S. J. Cook. 1,883,541; Oct. 18.
Gas burner. H. W. Christie. 1,863,468; June 14.
Gas burner. T. A. Coleman. 1,863,100; June 14.
Gas burner. C. M. Dibble. 1,883,615; Oct. 18.
Gas burner. R. S. Dodd and L. J. Evans. 1,859,961; May 24.
Gas burner. H. D. Dufault. 1,862,051; June 7.
Gas burner. W. H. Fuller. 1,862,673; June 14.
Gas burner. A. Friedman. 1,844,151; Feb. 9.
Gas burner. R. J. Hageman. 1,843,361; Feb. 2.
Gas burner. H. R. and G. A. Humphrey. 1,843,451; Feb. 2.
Gas burner. G. B. Killam. 1,849,236; Mar. 15.
Gas burner. C. Moor. 1,877,357; Sept. 13.
Gas burner. E. Ragon. 1,857,040; Nov. 8.
Gas burner. W. E. Stark. 1,876,086; Sept. 6.
Gas burner. A. U. Wetherbee. 1,839,515; Jan. 5.
Gas burner. E. Wildhaber. 1,854,323; Apr. 19.
Gas burner, Blue flame. T. H. Farrington. 1,842,395; Jan. 26.
Gas burner, Dual. A. Friedman. 1,871,783; Aug. 16.
Gas burner, Safety. H. Carlsen. 1,857,804; May 10.
Gas burner. W. S. Shaw. 1,887,330; Nov. 8.
Gas, Burning. C. J. Schiffler. 1,879,858; Sept. 27.
Gas burning apparatus. W. A. Beckett. 1,857,525; May 10.
Gas burning apparatus. A. L. Klees. 1,852,119; Apr. 5.
Gas burning heater. A. L. Kline and H. B. Harrington. 1,884,746; Oct. 25.
Gas burning heater. T. A. Ronstrom. 1,878,427; Sept. 20.
Gas cell fabric. W. C. Calvert. 1,846,309; Feb. 23.
Gas chamber for oil switches. F. Houst. 1,878,583; Sept. 20.
Gas cleaner. J. L. Mauthe. 1,888,603; Nov. 22.
Gas, Cleaning. R. R. Harmon. 1,844,849; Feb. 9.
Gas cleaning and heat transfer apparatus. G. H. Horne and M. A. Lissman. 1,875,341; Sept. 6.
Gas cleaning apparatus, Combined electrical and centrifugal. H. B. Rider. 1,843,839; Feb. 2.
Gas cock control, Automatic. H. Margiloff. 1,879,381; Sept. 27.
Gas contained objects, Packaging of. D. R. MacKenzie. 1,842,456; Jan. 26.
Gas, Continuous process for producing high heating value. W. L. De Baufre. 1,866,399; July 5.
Gas control. C. Woods. 1,840,180; Jan. 5.
Gas control, Thermostatic. H. W. Price. 1,869,943; Aug. 2.
Gas controlling device. E. A. Hall. 1,874,969; Aug. 30.
Gas controlling means. E. A. Hall. 1,885,433; Nov. 1.
Gas cupola furnace. A. C. Osborn, jr. 1,876,260; Sept. 6.
Gas cutting machine. J. L. Anderson. 1,891,880; Dec. 20.

Gas, Dehydrating. F. W. Sperr, jr. 1,854,770; Apr. 19.
Gas dehydrating process. H. A. Gollmar. 1,861,268; May 31.
Gas dehydration. D. Gordon and R. W. Ryan. 1,866,560; July 12.
Gas detector and signal device. L. W. MacCain and E. F. Webb. 1,876,706; Sept. 13.
Gas, Device for determining the condition of a. M. C. W. Tomlinson. 1,833,116; Oct. 18.
Gas, Device for preventing theft of. A. E. Turner. 1,850,940; Mar. 15.
Gas discharge light. G. Claude. 1,877,716; Sept. 13.
Gas, Discharging liquefied. W. B. Leach, jr. 1,853,983; Apr. 12.
Gas, Dissociating natural. C. B. Hillhouse. 1,892,559; Dec. 27.
Gas distribution. E. S. Rush. 1,841,059; Jan. 12.
Gas distribution system. G. G. Farrar and W. D. Bentley. 1,854,893; Apr. 19.
Gas economizer for internal combustion engines. M. Barry. 1,865,076; June 28.
Gas-electric apparatus. W. Thorne. 1,850,734; Mar. 22.
Gas eliminator, Hopper. F. Hoke and V. F. Clark. 1,866,557; May 3.
Gas engine. L. E. Cadwell. 1,889,946; Dec. 6.
Gas engine, Rotary. F. C. Dalton. 1,874,247; Aug. 30.
Gas engine, Rotary. G. G. Satrum. 1,892,474; Dec. 27.
Gas engine, Two-cycle. M. T. Holloway. 1,881,582; Oct. 11.
Gas engine, Two-cycle. E. M. Tucker. 1,891,510; Dec. 20.
Gas extension light. W. W. Harris. 1,854,791; Apr. 19.
Gas filled tank. O. H. Escholtz. 1,871,449; Aug. 16.
Gas, Heated furnace. W. C. Drake and E. B. Priebe. 1,852,154; Apr. 5.
Gas fixture, Combination. J. G. Ames. 1,882,703; Oct. 18.
Gas flow apparatus for controlling. C. T. Henderson. 1,859,442; May 24.
Gas for airships, Device for drying lifting. E. Besch. 1,842,710; Jan. 26.
Gas for coking retort ovens, Providing fuel. J. Becker. 1,876,037; Sept. 6.
Gas from fluid hydrocarbons, Apparatus for generating. E. O. Benjamin. 1,846,939; Feb. 23.
Gas from hydrogen sulphide, Purifying coal. G. H. Hultman. 1,849,526; Mar. 15.
Gas from liquid hydrocarbons, Apparatus for generating. E. O. Benjamin. 1,846,833; Feb. 23.
Gas from oil, Making. L. B. Jones. 1,862,018; June 7.
Gas from pulverized coal and steam, Producing water. H. Hillebrand. 1,873,941; Aug. 23.
Gas furnace. E. J. Clynch. 1,862,660; June 14.
Gas furnace. R. Hallett. 1,874,998; Aug. 30.
Gas, Generating. C. W. Andrews and W. B. Chapman. 1,844,828; Feb. 9.
Gas, Generating a combustible. C. O. Wannack. 1,883,142; Oct. 18.
Gas generation. G. W. Lorimer. 1,852,172; Apr. 5.
Gas generation. G. W. Lorimer. 1,871,415; Aug. 9.
Gas generator. F. C. Greene. 1,890,606; Dec. 13.
Gas generator, Therapeutic. J. F. Blanchard. 1,839,193; Jan. 5.
Gas governors, Attachment for. F. P. Smith. 1,851,598; Mar. 29.
Gas gun protective system, Mechanical. F. J. Bridgeman. 1,890,670; Dec. 13.
Gas heater. A. J. and W. C. Lindemann. 1,853,690; Apr. 12.
Gas heater. G. H. McFadden. 1,869,763; Aug. 2.
Gas heater. G. H. McFadden. Des. 88,714; Dec. 20.
Gas heater. L. C. Smith. 1,854,232; Apr. 19.
Gas heater, Combination radiant and circulating. W. A. Griswold. 1,877,852; Sept. 20.
Gas ignitor, Automatic. D. Raso. Re18,329; Jan. 19.
Gas ignition means for liquid fuel burners. L. C. Beadle, N. Sutterfield, and J. A. Wilson. 1,864,515; June 28.
Gas indicating apparatus. B. Trebitsch. 1,861,989; June 7.
Gas liberating charge. A. Lowy. 1,842,369; Jan. 19.
Gas lift control, Apparatus for. P. Subkow and J. J. Koch. 1,856,892; May 3.
Gas lift, Method and apparatus for. P. Subkow. 1,856,891; May 3.
Gas mixer. Copper. G. S. Ankarlo. 1,889,621; Nov. 29.
Gas, Making carburetted air. C. O. Wannack. 1,888,059; Nov. 15.
Gas, Making carbureted water. D. J. Young. 1,878,227; Sept. 20.
Gas, Making combustible. W. W. Odell. Re18,382; Mar. 8.
Gas, Making combustible. W. W. Odell. 1,841,201; Jan. 12.
Gas, Making water. W. M. Cross. 1,860,138; May 24.
Gas, Making water. W. M. Russell. 1,867,102; July 12.
Gas, Manufacture of. J. Hansford. 1,888,123; Nov. 15.
Gas, Manufacture of. H. Rosenthal. 1,853,084; Apr. 12.
Gas, Manufacture of water. A. Johnson. 1,848,015; Mar. 1.
Gas mask. Molding an india rubber. D. F. Wilhelmi. 1,861,973; June 7.
Gas meter. J. R. Armstrong. 1,862,451; June 7.
Gas meter. E. P. Bartholomay. 1,854,326; Apr. 19.
Gas meter. R. L. Benedorf. 1,847,524; Mar. 1.
Gas meter. O. Goldkamp. 1,892,513; Dec. 27.
Gas meter. W. H. Kaiser. 1,880,256; Oct. 4.
Gas meter. F. Kromschröder. 1,869,485; Aug. 2.
Gas meter. A. Lutz. 1,847,618; Mar. 1.
Gas meter. H. H. Sprague. 1,892,520; Dec. 27.
Gas meter. H. J. Waddell. 1,840,218; Jan. 5.
Gas meter, Dry. W. Strelow. 1,878,544; Sept. 20.
Gas meter hanger. F. H. Mueller. 1,868,217; July 19.
Gas meter, Wet. H. Engstfeld. 1,843,713; Feb. 2.
Gas mixer. C. F. Woodhull. 1,846,563; Mar. 15.
Gas mixture suitable for substantially complete combustion, Preparing a. H. Foersterling. 1,882,795; Oct. 18.
Gas mixtures, Apparatus for the separation of. F. Polityzer and H. Kahle. 1,865,135; June 28.
Gas-mixtures especially of air, Separation of. M. Fränkl. 1,890,646; Dec. 13.
Gas mixtures, Method and apparatus for detecting the presence of inflammable constituents in. A. N. Erickson. 1,889,890; Dec. 6.
Gas mixtures, Process and apparatus for the separation of. P. Gmelin and A. Knodel. 1,881,490; Oct. 11.
Gas operated switch. M. A. Laswell. 1,881,710; Oct. 11.
Gas or liquid storing material. F. G. Keyes. 1,854,589; Apr. 19.
Gas or vapor discharge device. R. D. Mailey. 1,878,502; Sept. 20.
Gas or vapor electric device and controlling the same. R. D. Mailey. 1,878,159; Sept. 20.
Gas passage of the cylinders of internal combustion engines. F. de Lautour. 1,859,320; May 24.
Gas pressure in oil wells, Device for preserving natural. E. H. Griswold. 1,886,009; Nov. 1.
Gas, Process and apparatus for dehydrating. F. W. Sperr, jr. 1,855,615; Apr. 26.
Gas, Process and apparatus for treating. J. M. Wadsworth. 1,851,743; Mar. 29.
Gas producer. R. M. A. E. Cézanne. 1,849,279; Mar. 15.
Gas producer. J. S. Hoag. 1,890,056; Dec. 6.
Gas producer. L. D. Houlis. 1,846,334; Feb. 23.
Gas producer. D. J. Smith. 1,865,341; June 28.
Gas producer. J. T. Wickersham. 1,876,810; Sept. 13.
Gas producer, A. Vieser. 1,864,966; June 28.
Gas producer. F. H. Waite and G. W. Davey. 1,845,064; Feb. 16.
Gas producer. F. J. and E. West. 1,839,720; Jan. 5.
Gas producer, Mechanical. F. H. Treat. 1,859,576; May 24.
Gas producing apparatus. A. R. Stryker. 1,855,034; Apr. 19.
Gas, Producing carbureted water. H. M. Kopp. 1,876,965; Sept. 13.
Gas, Producing coal. J. M. Rusby and W. I. Battin. 1,861,452; June 7.
Gas, Producing fuel. F. Winkler, C. Messerknecht and F. Feller. 1,840,649; Jan. 12.
Gas, Producing oil. L. C. Huff. 1,868,462; July 19.
Gas, Production of. W. Burrell, C. Wade. 1,846,295; Feb. 23.
Gas, Production of water. F. Winkler. 1,857,799; May 10.
Gasproof balloon fabric. C. M. Carson. Re18,355; Feb. 23.
Gas protected lock. R. K. Doherty. 1,862,258; June 7.
Gas purification. E. O. Barstow and G. F. Dressel. 1,876,551; Sept. 13.
Gas purification. C. W. Garrison. 1,850,388; Mar. 22.
Gas purification. C. J. Hansen. 1,852,160–1; Apr. 5.
Gas purification. C. J. Hansen. 1,854,511; Apr. 19.
Gas purification. Heinrich. 1,891,907; July 5.
Gas purification. D. L. Jacobson. 1,852,014; Apr. 5.
Gas purification. M. Shoeld. 1,844,694; Feb. 9.
Gas purification. J. C. Woodhouse. 1,852,497; Apr. 5.
Gas purification, Multistage. H. H. Dow. 1,878,682; Sept. 20.
Gas purification process. F. W. Sperr, jr. 1,841,419; Jan. 19.
Gas purification process. F. W. Sperr, jr. 1,854,491; Apr. 19.
Gas purification process. F. W. Sperr, jr. 1,878,609; Sept. 20.
Gas purification process and apparatus. F. W. Sperr, jr. 1,841,421; Jan. 19.
Gas purifier or scrubber. A. A. Criqui and R. T. Thornton. 1,866,196; July 5.
Gas, Purifying. W. J. Huff. 1,851,312; Mar. 29.
Gas purifying plant, Electric. R. Strigel. 1,878,024; Sept. 20.
Gas range. J. E. Leonard. Des. 98,028; Oct. 11.
Gas reactions, Apparatus for carrying out exothermic catalytic. A. Berenbruch. 1,869,736; Aug. 2.
Gas reactions at high temperatures, Apparatus for carrying out. T. S. Wheeler and W. B. Fletcher. 1,848,983; Mar. 8.
Gas reactions, Catalytic. M. Pier. 1,845,058; Feb. 16.
Gas reactions, Execution of. E. Noack and O. Nitzschake. 1,890,793; Dec. 13.
Gas recuperator furnace, Producer. W. A. Morton, 1,844,293; Feb. 9.
Gas regulating apparatus. W. I. Thrall. 1,878,060; Sept. 20.
Gas regulator. K. R. D. Wolfe. 1,874,680; Aug. 30.
Gas regulator attachment, Compensating. E. A. Clark. 1,883,571; Oct. 18.
Gas regulator, Automatic loading. F. Gaunt, M. B. Reynolds, and R. C. Hughes. 1,839,587; Jan. 5.
Gas scrubbing apparatus. K. S. Valentine. 1,856,120; May 3.

Gas sealed gland. W. van Rijswijk. 1,867,236; July 12.
Gas sets, Controlling the commencement of operations of a plurality of water. J. H. Gleason. 1,845,745; Feb. 16.
Gas shut off device. C. L. Bastian. 1,851,415; Mar. 29.
Gas shut-off system and apparatus. J. J. Donohue. 1,866,253; July 5.
Gas tank, Auxiliary. I. J. Du Bois. 1,855,388; Apr. 26.
Gas tank lock. F. A. Rider. 1,885,547; Nov. 1.
Gas tank lock, Electric. A. W. Neverman. 1,872,092; Aug. 16.
Gas testing device. G. A. Davidson. 1,845,247; Feb. 16.
Gas trap. E. H. Adams. 1,887,111; Nov. 8.
Gas treating apparatus. J. Goldstein. 1,840,290; Mar. 15.
Gas treating device. C. M. Ashley. 1,883,456; Oct. 18.
Gas treating device, Exhaust. J. A. Duber. 1,844,034; Feb. 9.
Gas treatment, Exhaust. T. A. Boyd, W. G. Lovell, and J. M. Campbell. 1,848,990; Mar. 8.
Gas turbine, Reaction. L. S. Marks. 1,853,869; Apr. 12.
Gas under control directly into water pressure mains, Apparatus for injecting chlorine. H. L. Chamberlin. 1,849,225; Jan. 5.
Gas-vent T. H. J. and W. J. Luff. 1,866,814; July 12.
Gas washing apparatus. S. C. Cutler. 1,875,300; Aug. 30.
Gas washing method and apparatus. A. L. Genter. 1,848,945; Mar. 8.
Gas water heater. O. W. Hahn. 1,883,733; Oct. 18.
Gaseous and liquid products, Separation of. C. F. Harrison. 1,890,852; Dec. 13.
Gaseous catalyst, Production of a. E. Oppen. 1,855,412; Apr. 26.
Gaseous conduction apparatus. C. G. Smith. 1,878,338; Sept. 20.
Gaseous conduction device. V. Bush. 1,880,014; Sept. 27.
Gaseous conduction device. J. L. Jenks, jr. 1,841,289; Jan. 12.
Gaseous discharge device. L. J. Buttolph. 1,861,620; June 7.
Gaseous discharge device. S. P. Sashoff. 1,861,453; June 7.
Gaseous electric discharge device. M. Pirani. 1,879,472; Sept. 27.
Gaseous electric discharge devices, System for starting and operating. W. A. D. Evans. 1,878,479; Sept. 20.
Gaseous mixtures, Apparatus for generating. M. E. Carroll. 1,871,302; Aug. 9.
Gaseous mixtures by liquefaction, Separation of the constituents of. A. Etienne. 1,878,123; Sept. 20.
Gaseous mixtures, Separation of. G. Claude and J. Le Rouge. 1,840,833; Jan. 12.
Gaseous mixtures, Separation of the several components of. C. Bertart. 1,843,043; Jan. 26.
Gaseous reactions, Conducting exothermic. C. B. Clark. 1,883,570; Oct. 18.
Gaseous reactions, Process and apparatus for catalytic. J. A. Arvesquist. 1,855,040; Apr. 19.
Gaseous reactions under pressure, Method and apparatus for conducting exothermic. H. Lantz and P. Schideler. 1,845,050; Feb. 16.
Gases and liquids, Device for mixing. J. M. Daily. 1,839,952; Jan. 5.
Gases and recovery of sulphates and sulphur, Purification of sulphur bearing. H. Baehr. 1,889,942; Dec. 6.
Gases and the like, Treatment of. E. Urbain. 1,849,648; Mar. 15.
Gases, Apparatus and process for muffling and purifying exhaust. M. E. Barker. 1,855,165; Apr. 19.
Gases, Apparatus for affecting the physical condition of. H. V. Dalgliesh. 1,890,497; Dec. 13.
Gases, Apparatus for cleaning. A. J. Boynton. 1,878,668. Sept. 20.
Gases, Apparatus for cleaning. R. R. Harmon. 1,880,018; Sept. 27.
Gases, Apparatus for compressing. N. C. Christensen. 1,886,164; Nov. 1.
Gases, Apparatus for conserving and vaporizing liquefied. C. Picard. 1,878,531; Sept. 20.
Gases, Apparatus for effecting a partial separation of mixed. S. B. Daugherty. 1,851,163; Mar. 29.
Gases, Apparatus for mixing. A. F. Jenkins. 1,880,140; Sept. 27.
Gases, Apparatus for preparing pressure. C. W. P. Heylandt. 1,866,514; July 5.
Gases, Apparatus for treating. F. J. Petrequin. 1,879,463; Sept. 27.
Gases carrying solids in suspension, Distributor for. E. G. Bailey. 1,882,094; Oct. 11.
Gases, Cleaning. A. F. Meston and H. A. Wintermute. 1,871,815; Aug. 16.
Gases, Cleaning. H. E. Clarry. 1,869,544; Aug. 2.
Gases containing hydrogen sulphide, Purification of. W. C. d'Leny and J. R. Park. 1,858,919; May 17.
Gases, Compressing liquefied. C. W. P. Heylandt. 1,866,516; July 5.
Gases, Dehydrating of fuel. C. Cooper and D. M. Henshaw. Re18,565; Aug. 9.
Gases, Device for reburning exhaust. L. C. Hyatt. 1,839,879; Jan. 5.
Gases, Device for recirculating highly heated gases. L. C. Huff. 1,870,010; Aug. 2.
Gases, Drying. E. J. Mullen. 1,847,845; Mar. 1.
Gases for electrical precipitation, Conditioning. C. W. J. Hedberg. 1,883,372; Oct. 18.
Gases formed in the sulphate and soda pulp manufacture, Removing malodorous. B. N. Segerfelt. 1,854,428; Apr. 19.
Gases from high frequency furnaces, Recuperator or regenerator use of. H. Neuhaus. 1,839,027; Jan. 5.
Gases from high pressure vessels, Device for withdrawing low pressure. P. Gilgenberg. 1,883,690; Oct. 18.
Gases from inclosed spaces, Removing. H. Miller. 1,864,084; June 21.
Gases from petroleum, Apparatus for removing. D. C. Atkins. 1,864,037; June 21.
Gases, Generation of persistent disabling. B. C. Goss. 1,878,488–9; Sept. 20.
Gases in air, Apparatus for detecting and estimating inflammable. A. N. Erickson. 1,880,941; Oct. 4.
Gases in an inert menstruum, Reacting upon. H. E. Buc. 1,843,862; Feb. 2.
Gases in gas mixtures, Apparatus for the determination of the contents of combustible. H. Grüss and B. Thiede. 1,853,984; Nov. 29.
Gases in the open hearth furnace, Recirculation of waste. K. C. McCutcheon. 1,874,328; Aug. 30.
Gases, Low temperature treatment of. M. Gobert. 1,842,263; Jan. 19.
Gases, Method of and apparatus for cleaning. A. F. Nesbit. 1,888,606; Nov. 22.
Gases, Method and apparatus for exhausting moisture laden. S. Ward. 1,847,736; Mar. 1.
Gases, Method and apparatus for preparing compressed. C. W. P. Heylandt. Re18,646; Nov. 1.
Gases, Method and apparatus for use in storing and transporting liquefied. C. W. P. Heylandt. 1,866,515; July 5.
Gases, Method and device for the regasification of liquefied. C. W. P. Heylandt. Re18,476; May 17.
Gases of internal combustion engines, Apparatus for treating exhaust. C. J. Kryzanowsky. 1,875,024; Aug. 30.
Gases of internal combustion engines, Apparatus for treating the exhaust. B. Gordon. 1,877,523; Sept. 13.
Gases or vapors, Separating. C. G. Harris. 1,872,080; Aug. 16.
Gases or vapors with molten substances, Apparatus for thoroughly intermingling. P. Wefelscheid. 1,853,590; Apr. 12.
Gases, Purification of. H. Kloepfer. 1,855,355; Apr. 26.
Gases, Purification of. E. J. Lush. 1,882,280; Oct. 11.
Gases, Purification of blast furnace. C. W. J. Hedberg. 1,883,373; Oct. 18.
Gases, Purification of furnace or other. J. G. Coutant. 1,866,193; July 5.
Gases, Purifying. P. Fischer. 1,891,974; Dec. 27.
Gases, Purifying. F. H. Snyder and E. D. Newkirk. 1,850,732; Mar. 22.
Gases, Rectifying mixed. W. L. De Baufre. 1,864,585; June 28.
Gases, Separating and purifying. L. W. Skala. 1,871,226; Aug. 9.
Gases, Separating mixed. J. A. van Gessel. 1,891,125; Dec. 13.
Gases, Separation of mixtures of. F. Pollitzer. 1,853,743; Apr. 12.
Gases to welding torches and the like, Supplying. F. Mangiameli. 1,879,940; Sept. 27.
Gases, Treating. C. J. Hansen. 1,840,579; Jan. 12.
Gases, Treating. G. H. Horne and M. A. Lissman. 1,886,548; Nov. 8.
Gases, Treating coal. F. Bönnemann. 1,848,156; Mar. 8.
Gases, Treating waste. H. F. Merriam. 1,862,695; June 14.
Gases, Treatment of. J. Goldstein. 1,848,561; Mar. 8.
Gases, Treatment of coal distillation. K. Gordon and J. Hughes. 1,875,920; Sept. 6.
Gases under pressure at high temperature, Apparatus for effecting catalytic reactions between. L. Casale. 1,839,738; Jan. 5.
Gases under pressure, Process and apparatus for the treatment of. A. H. Trotter. 1,852,763; Apr. 5.
Gases, Utilization of excess steam and hot. C. Rosenblad. 1,886,590; Nov. 8.
Gases, vapors, and the like, Apparatus for centrifugally treating. M. Aurig and G. Brückmayr. 1,858,570; May 17.
Gases with liquids, Apparatus for treating. T. O. Wilton. 1,867,933; July 19.
Gasket. C. B. Bailey. 1,844,052; Feb. 9.
Gasket. G. G. Barr. 1,869,039; July 26.
Gasket. W. J. Dennis. 1,883,609; Oct. 18.
Gasket. H. Ernst. 1,872,709; Aug. 23.
Gasket. A. L. Freedlander. 1,874,490; Aug. 30.
Gasket. H. F. Fryling. 1,856,051; Apr. 26.
Gasket. S. S. Geipel. 1,888,166; Nov. 15.
Gasket. A. L. Howard. 1,846,203; Feb. 23.
Gasket. C. R. Hubbard and R. M. Waples. 1,889,144; Nov. 29.
Gasket. L. H. Kirkpatrick. 1,891,424; Dec. 20.
Gasket. F. J. Oven. 1,843,297; Feb. 2.
Gasket. F. J. Oven. 1,846,401–2; Feb. 23.
Gasket. F. J. Oven. 1,853,175; Apr. 12.
Gasket. F. J. Oven. 1,862,703; June 14.
Gasket. F. J. Oven. 1,864,854; June 28.
Gasket. C. P. Randolph. 1,884,226; Oct. 25.
Gasket. M. S. Sanders. 1,884,879; Oct. 25.
Gasket. C. P. Shaw. 1,847,729; Mar. 1.

Gasket. O. M. Summers. 1,851,948; Mar 29.
Gasket. J. H. Victor. 1,864,328; June 21.
Gasket. H. T. Woolson. 1,840,147; Jan. 5.
Gasket, Adjustable. F. J. Oven. 1,839,336; Jan. 5.
Gasket, All-metal. C. B. Bailey. 1,863,892; June 21.
Gasket and expanding ring, Piston. H. W. Price. 1,845,812; Feb. 16.
Gasket and packing material. J. T. Crane. 1,863,521; June 14.
Gasket and protector for carbide lamps, Combined. F. Colubrese. 1,863,470; June 14.
Gasket, Building. C. Figg. 1,885,193; Nov. 1.
Gasket device. L. A. Weston. 1,882,308; Oct. 11.
Gasket, Faucet. H. Gabriels, jr. 1,875,438; Sept. 6.
Gasket for flexible pipe joints. T. H. Manchester and E. A. Russell. 1,843,927; Feb. 9.
Gasket for neck and closure structures, Sealing. J. S. Reid. 1,875,148; Aug. 30.
Gasket forming machine. W. J. Peelle. 1,868,990; July 26.
Gasket, Joint. T. Griswold, jr. 1,866,160; July 5.
Gasket, Refrigerator door. H. A. Greenwald. 1,889,439; Nov. 29.
Gasket, Rubber door. M. C. Terry and H. E. Pleasant. 1,862,285; June 7.
Gasket, Strip. L. S. Brown. 1,869,932; Aug. 2.
Gasoline and mode of preparing same, Nongumming. E. I. Sollmann. 1,884,899; Oct. 25.
Gasoline and other volatile materials, Refrigeration and storage and carriage of. T. A. Banning, jr. 1,858,610; May 17.
Gasoline and the like, Stabilizing. G. Egloff. 1,885,190; Nov. 1.
Gasoline, Antiknock. V. Voorhees. 1,848,681; Mar. 8.
Gasoline, Apparatus for making. B. Otto. 1,840,012; Jan. 5.
Gasoline, Apparatus for treating. J. Sendelbach and R. T. Palmer. 1,878,720; Sept. 20.
Gasoline burner. J. and A. C. Sladky. 1,846,693; Feb. 23.
Gasoline dispensing unit. T. L. Pflueger. Des. 86,632–4; May 29.
Gasoline distributing apparatus. A. M. L. Tribout. 1,889,504; Nov. 29.
Gasoline from gaseous and low boiling liquid hydrocarbons, Production of. W. K. Lewis, P. K. Frolich, and W. C. Asbury. 1,843,880; Feb. 2.
Gasoline hydrocarbons, Obtaining. W. K. Lewis. 1,877,914; Sept. 20.
Gasoline, Making. O. Behimer. 1,883,850; Oct. 18.
Gasoline meter. H. G. Weymouth and F. M. Kreidler. 1,870,130; Aug. 2.
Gasoline, Recovery of natural. F. L. Kallam. 1,846,206; Feb. 23.
Gasoline saver. M. D. Kennedy. 1,869,262; July 26.
Gasoline serving apparatus. B. D. Griffin. 1,865,002; June 28.
Gasoline stock, Treating. A. Lachman. 1,890,516; Dec. 13.
Gasoline tank. Theftproof. C. V. Buddenbrock. 1,862,815; June 14.
Gasoline theft preventing device. R. C. Roberts. 1,844,297; Feb. 9.
Gasoline vaporizer. W. Lilly. 1,879,358; Sept. 27.
Gasoline vending machine, Automatic. J. M. Alexander. 1,866,523; July 12.
Gasometer. K. Jagschitz. 1,886,101; Nov. 1.
Gasometer, Storage. L. G. Voorhees. 1,878,211; Sept. 20.
Gasometer, Telescoping. K. Jagschitz. 1,870,683; Aug. 9.

Gate; *See*—
All purpose gate.
Ash hopper gate.
Automatic crossing gate.
Automatic gate.
Casing control gate.
Cattleguard gate.
Crossing gate.
End gate.
Farm gate.
Film gate.
Flux box gate.
Folding gate.
Grease cellar end gate.
Highway gate.
Railroad crossing gate.
Railroad gate.
Screw valve gate.
Sluice gate.
Tail gate.
Vehicle operated gate.

Gate. F. G. Billhorn. 1,865,079; June 28.
Gate. G. Constable. 1,888,847; Nov. 22.
Gate. D. D. Denton. 1,847,822; Mar. 1.
Gate. L. U. Jobes. 1,883,792; Oct. 18.
Gate. A. J. and W. E. Oaks. 1,886,719; Nov. 8.
Gate. W. B. Peterson. 1,875,489; Sept. 6.
Gate. G. H. Thomas. 1,849,699; Mar. 15.
Gate. J. and E. Voll. 1,843,055; Jan. 26.
Gate. J. P. Ward. 1,839,624; Jan. 5.
Gate and air inlet system for furnaces, Combination ash. E. J. Franklin. 1,874,487; Aug. 30.
Gate and door sequence. E. M. Bouton. 1,888,712; Nov. 22.
Gate and operating means therefor, Automatic pit. J. L. Good and W. E. Click. 1,890,905; Dec. 13.
Gate box and extension therefor. C. Siegel. 1,841,985; Jan. 19.
Gate for bins, Discharge. R. G. Le Tourneau. 1,850,589; Mar. 22.
Gate for coke wharves. C. E. Underwood and C. E. Lehr. 1,876,799; Sept. 13.
Gate for material conveying chutes. R. W. Kaltenbach. 1,876,685; Sept. 13.
Gate for nailing machines, Nail. H. E. Twomley. 1,888,520; Nov. 22.
Gate for race tracks, Stall. A. E. Birtwistle and A. Roesser. 1,876,839; Sept. 13.
Gate for railroads, Automatic crossing. W. H. Proper. 1,857,868; May 10.
Gate for railroad crossings and pedestrian crossings. F. W. McFarland and W. R. Long. 1,864,748; June 28.
Gate for trap nest. A. Abbink. 1,857,341; May 10.
Gate for weirs, Sluice. F. Duwe. 1,847,993; Mar. 1.
Gate latching device. J. B. Clay. 1,876,856; Sept. 13.
Gate mechanism, Turbine. J. J. Ring. 1,873,980; Aug. 30.
Gate operating mechanism. T. Brady. 1,864,796; June 28.
Gate operating mechanism. A. Dina. 1,884,606; Oct. 25.
Gate operating mechanism. N. H. Larson. 1,858,896; May 17.
Gate operating system, Railroad. W. H. Proper. 1,857,869; May 10.
Gate section, Conveyer. H. R. Gotthardt and W. E. Cain. 1,875,375; Sept. 6.
Gate structure, Rear. M. Standish. 1,884,334; Oct. 25.
Gate system, Elevator. W. F. Emery. 1,870,772; Aug. 9.
Gated slip elevator. S. L. Campbell. 1,844,379; Feb. 9.
Gathering and inserting machine. F. McCarthy. 1,878,590; Sept. 20.
Gathering pool. K. E. Peller. 1,864,495; June 21.

Gauge; *See*—
Air gauge.
Axle gauge.
Bevel gauge.
Brake adjusting gauge.
Centering gauge.
Conformator gauge.
Cylinder gauge.
Dental gauge.
Depth gauge.
Differential indicating gauge.
Double-indicating double-recording gauge.
Draft and pressure gauge.
Draft gauge.
Electric gauge.
Feeler gauge.
Fluid gauge.
Fluid level gauge.
Foot gauge.
Grinding gauge.
Hair cutting gauge.
Harness testing gauge.
Heated water gauge.
Indicating gauge.
Indicator jaw gauge.
Jack and pressure gauge.
Joinery marking gauge.
Knife gauge.
Leather measuring gauge.
Liquid gauge.
Liquid level gauge.
Marking gauge
Maximum inclination gauge.
Micrometer gauge.
Oil gauge.
Piston ring gauge.
Ring gauge.
Pressure gauge.
Rail gauge.
Saw gauge.
Screw thread gauge.
Scribing gauge.
Shoulder gauge.
Sight gauge.
Snap gauge.
Tailor's gauge.
Tank gauge.
Telescoping gauge.
Thread gauge.
Tire pyrometer gauge.
Valve seat gauge.
Watch-hand gauge.
Water gauge.
Wheel aligning gauge.
Wheel alignment gauge.

Gauge. A. W. Anter. 1,890,774; Dec. 13.
Gauge. E. Aschenbach. 1,854,094; Apr. 12.
Gauge. R. Beck. 1,846,705; Feb. 23.
Gauge. R. M. Chambers. 1,880,236; Oct. 4.
Gauge. C. G. Johnson. 1,851,283; Mar. 29.
Gauge. F. Judge. 1,881,651; Oct. 11.
Gauge. A. Kirkpatrick. 1,891,187; Dec. 27.
Gauge. J. M. Lammedee. 1,874,765; Aug. 30.
Gauge. C. B. Nelson. 1,867,922; July 19.
Gauge. W. R. Rathbone and V. G. McPherson. 1,886,304; Nov. 1.
Gauge. C. R. Rich. 1,885,629; Nov. 1.
Gauge. A. C. Richmond. 1,892,005; Dec. 27.
Gauge. T. J. Smulski. 1,885,051; Oct. 25.
Gauge. L. H. Stein. 1,845,359; Feb. 16.
Gauge. W. F. Stuckeman. 1,887,220; Nov. 8.
Gauge. R. G. Tagle and R. H. Curtis. 1,876,199; May 3.
Gauge. J. B. Teesdale. 1,888,298; Nov. 22.
Gauge. R. Thomson. 1,846,502; Feb. 23.
Gauge. J. W. Williams. 1,888,416; Nov. 22.
Gauge and feeding guide, Milk weight. C. H. Naatz. 1,865,034; June 28.
Gauge and filling valve, Combined tire. A. S. Marchus. 1,892,435; Dec. 27.
Gauge and pop valve, Pressure. J. L. Thomas. 1,853,586; Apr. 12.
Gauge and self closing outlet fitting, Combined air. F. N. Kelsey. 1,850,111; Mar. 22.
Gauge and starting mechanism for presses and analogous machines. E. V. Crane. 1,851,753; Mar. 29.
Gauge and stop for grader blades, Adjustable. J. R. Royer. 1,857,479; May 10.
Gauge and thermometer fitting. O. W. Thompson. 1,867,779; July 19.
Gauge bar. H. Agricola. 1,878,571; Sept. 20.
Gauge cleaning device. C. A. Hall. 1,849,295; Mar. 15
Gauge device. S. Levine. 1,870,058; Aug. 2.
Gauge device. A. L. and R. H. Miller. 1,891,185; Dec. 13.
Gauge device. C. Winning. 1,870,884; Aug. 9.
Gauge device for liquid storage tanks, Compensating. H. A. Jones. 1,879,805; Sept. 27.
Gauge extension, Air. J. C. Crowley. 1,860,888; May 31.
Gauge for ascertaining the lift of compressor air valves. P. A. Alexson. 1,866,090; July 5.
Gauge for corrosive fluids, Differential pressure. M. O. Schur. 1,855,205; Apr. 26.

Gauge for cutting timber. W. Denyer. 1,855,945; Apr. 26.
Gauge for cutting tools. A. Krol. 1,846,740; Feb. 23.
Gauge for dividing strip material, Proportional. G. A. Reeve. 1,842,202; Jan. 19.
Gauge for door locks, Marking. F. S. Ray 1,851,372; Mar. 29.
Gauge for film on calender rolls, Thickness. C. S. Mc-Chesney. 1,863,757; June 21.
Gauge for mortised door locks, Marking. J. E. Snelling. 1,849,961; Mar. 15.
Gauge for printing presses. W. L. Angel. 1,859,548; May 24.
Gauge for printing presses, Feed. A. R. G. Horne. 1,850,625; Mar. 22.
Gauge-recording device for wire-drawing machines. J. Gerke. 1,839,833; Dec. 6.
Gauge for shoe nailing machines. H. D. Blair and H. M. West. 1,886,628; Nov. 8.
Gauge for sizing internal threads. G. E. Mirfield. 1,879,398; Sept. 27.
Gauge for sliding T-levels, Miter. J. J. Drill. 1,879,980; Sept. 27.
Gauge for tire inflation air lines and the like. B. Janus. 1,890,036; Dec. 6.
Gauge for typesetting machines, Marginal. F. H. Pooppelmeier. 1,884,851; Oct. 25.
Gauge for typewriters, Line space. E. P. Thurban. 1,844,992; Feb. 16.
Gauge for use with cutters. A. Laukhuff. 1,859,371; May 24.
Gauge for vehicles, Load indicating. E. N. Westrum. 1,864,876; June 28.
Gauge harness. E. J. Fernane and M. J. Flynn. 1,852,076; Apr. 5.
Gauge mechanism. R. C. Huntsberger. 1,874,296; Aug. 30.
Gauge protector, Pressure or graphic. E. J. Miner. 1,868,048; July 19.
Gauge structure. M. J. Graham. 1,878,493; Sept. 20.
Gauge wheel for plows. C. G. Strandlund. 1,842,808; Jan. 26.
Gauging and sorting machine. D. E. Gray. 1,846,327; Feb. 23.
Gaughing apparatus. C. F. Dreyer. 1,873,315; Aug. 23.
Gauging device. J. W. Clinkscales, jr., and F. C. Cutting. 1,858,579; May 17.
Gauging machine. S. A. Strickland. 1,882,374; Oct. 11.
Gear. M. Bittner. 1,847,591; Mar. 1.
Gear. G. A. Dalton and J. R. Dunham. 1,852,957; Apr. 5.
Gear. J. E. Gleason. 1,848,342; Mar. 8.
Gear. A. Maier. 1,852,247; Apr. 5.
Gear, Aeroplane landing. R. B. Beisel. 1,850,964; Mar. 22.
Gear, Aeroplane landing. C. W. Steward. 1,874,650; Aug. 30.
Gear, Aircraft landing. A. F. Arcier. 1,852,099; Apr. 5.
Gear, Aircraft landing. P. Maiwurn. 1,853,312; Apr. 12.
Gear, Airplane landing. W. J. Chlevitz. 1,844,540; Feb. 9.
Gear, Airplane landing. H. A. Hicks and H. L. Van Alstyne. 1,840,900; Jan. 12.
Gear, Airplane landing. F. Short. 1,844,186; Feb. 9.
Gear, Airplane landing. A. R. Stalb, jr. 1,891,188; Dec. 13.
Gear and brake, Hydraulic transmission. H. Sinclair. 1,859,607; May 24.
Gear and clutch mechanism, Reversing. W. G. Hoelscher and R. L. Williamson. 1,856,882; Apr. 26.
Gear and clutch operating mechanism, Reverse. R. M. Upton. 1,889,909; Dec. 6.
Gear and coupling, Hydraulic. G. Bauer and J. N. Kiep. 1,868,129; July 19.
Gear and enclosed conductor system therefor, Metal clad switch. C. D. Ainsworth. 1,879,000; Sept. 27.
Gear arrangement for automobiles, Driving. C. W. Van Ranst. 1,886,924; Nov. 8.
Gear assembly, Separable. H. S. Marsh. 1,874,775; Aug. 30.
Gear, Automatic cushion. C. R. Jeffreys. 1,877,765; Sept. 20.
Gear, Auxiliary power steering. F. W. Davis. 1,874,248; Aug. 30.
Gear, Boat raising and lowering. L. A. Dixon and J. B. Peat. 1,855,013; Apr. 19.
Gear box. R. E. C. Delevoye. 1,846,250; Feb. 23.
Gear box, Change speed. C. Schaeffer. 1,880,986; Oct. 4.
Gear box, Change speed. A. G. Wilson. 1,888,191; Nov. 15.
Gear, Cam. J. C. S. Stuart. 1,856,667; May 3.
Gear, Cam and lever steering. D. E. Ross. 1,871,134; Aug. 9.
Gear carrier, Draft. C. R. Busch. 1,892,328; Dec. 27.
Gear case. O. L. Coffey. 1,874,905; Aug. 30.
Gear casing. F. Short. 1,861,941-2; June 7.
Gear, Centrifugal variable speed. L. C. Sturbelle. 1,878,727; Sept. 20.
Gear, Change speed. L. Alfred. 1,858,996; May 17.
Gear, Change speed. J. H. Chambers. 1,845,126; Feb. 16.
Gear, Change speed. J. Dap and E. Roggatz. 1,871,961; Aug. 16.
Gear, Change speed. L. Jacot-Descombes. 1,868,196; July 19.
Gear, Change speed. K. Maybach. 1,870,341; Aug. 9.
Gear, Change speed. K. Maybach. 1,883,745; Oct. 18.
Gear, Change speed. K. Maybach. 1,891,678; Dec. 20.
Gear, Change-speed. P. Riley. 1,859,171; May 17.
Gear, Change-speed. T. P. and A. V. Thomsen. 1,847,027; Feb. 23.
Gear, Change speed. R. T. Wise. 1,862,993; June 14.
Gear, Cultivator lifting. S. E. Bailor. 1,856,368; May 3.
Gear cutter. J. F. Leahy. 1,867,161; July 12.
Gear cutting apparatus. L. E. Greene. 1,879,196; Sept. 27.
Gear cutting machine. E. Lasser. 1,892,621; Dec. 27.
Gear cutting machine, Completely automatic. H. J. White. 1,876,372; Sept. 6.
Gear device, Change. G. Blackstock. 1,877,383; Sept. 13.
Gear, Differential. F. R. Boynton. 1,885,656; Nov. 22.
Gear, Differential. K. W. Lozan. 1,849,429; Mar. 15.
Gear, Disconnecting. E. Nibbs. 1,881,876; Oct. 11.
Gear, Double acting draft. W. C. Sleeman. 1,852,486; Apr. 5.
Gear, Draft. M. and C. E. Alma. 1,855,213; Apr. 26.
Gear, Draft. H. Barnard and W. H. Cotton. 1,844,238; Feb. 9.
Gear, Draft. E. H. Blattner. 1,884,539; Oct. 25.
Gear, Draft. J. R. Cardwell. 1,844,271; Feb. 9.
Gear, Draft. F. S. Cheatham. 1,875,704; Sept. 6.
Gear, Draft. W. H. Cotton. 1,855,514; Apr. 26.
Gear, Draft. W. H. Cotton. 1,865,838; July 5.
Gear, Draft. J. M. Cox. 1,882,802; Oct. 18.
Gear, Draft. H. C. Priebe. 1,876,019; Sept. 6.
Gear, Draft. D. F. Sproul. 1,861,460; June 7.
Gear, Draft. D. F. Sproul. 1,868,295; July 19.
Gear, Draft. D. F. Sproul. 1,883,050; Oct. 18.
Gear, Draft. H. E. Tucker. 1,865,803; July 5.
Gear, Draft. H. E. Tucker. 1,883,132; Oct. 18.
Gear, Draft. H. F. Woernley. 1,853,293; Apr. 12.
Gear drive for motor boats, Rudder and propeller. H. W. Rice. 1,871,581; Aug. 16.
Gear, Duplex compound draft. J. E. Muhfeld and J. Gutteridge. 1,864,272; June 21.
Gear, Electrically operated steering. H. D. Seelinger. 1,848,977; Mar. 8.
Gear, Electromagnetically controlled reversing. R. Bernady. 1,859,493; May 24.
Gear entraining mechanism. R. S. A. Dougherty. 1,844,244; Feb. 9.
Gear, Fishing. C. O. Kahle. 1,858,550; May 17.
Gear, Fluid. F. Gondos. 1,860,572; May 31.
Gear for aircraft, Landing. R. G. Perry. 1,844,295; Feb. 9.
Gear for aircraft, Landing. A. Schwarz. 1,853,232; Apr. 12.
Gear for aircraft, Landing and beaching. L. W. Winter. 1,871,158; Sept. 6.
Gear for airplanes, Retractable landing. L. R. Grumman. 1,859,624; May 24.
Gear for cash registers and calculating machines, Driving. E. Breitling. 1,846,785; Feb. 23.
Gear for cycles, Reverse. G. Poirier. 1,891,576; Dec. 20.
Gear for dirigible airships, Landing. A. Bradshaw. 1,845,229; Feb. 16.
Gear for drums, Driving. A. Tacke. 1,858,692; May 17.
Gear for dynamo-electric machines, Brush. C. A. Parsons and J. Rosen. 1,859,930; Jun. 5.
Gear for furnace bells, Operating. W. Marley. 1,885,531; Nov. 1.
Gear for internal combustion engines, Valve. C. D. Salisbury. 1,842,426; Jan. 26.
Gear for jigging conveyers, Driving. T. B. Wilkinson. 1,873,694; Aug. 23.
Gear for machinery, Speed control. J. F. Naylor. 1,858,167; May 10.
Gear for manure spreaders or other vehicles, Running. C. Meis. 1,873,444; Aug. 23.
Gear for motor cars, Change speed. G. C. Cappa. 1,885,413; Nov. 1.
Gear for motor vehicles, Change speed. H. Austin. 1,876,587; Sept. 13.
Gear for motor vehicles, Hydraulic steering. L. C. Josephs, jr. 1,859,333; May 24.
Gear for motor vehicles, Running. E. Templin. 1,864,284; Feb. 23.
Gear for multicolor printing machines, Pattern fitting. L. I. Tuttle. 1,856,363; May 3.
Gear for railway vehicles, Buffing and draw. R. T. Glascodine. 1,881,212; Oct. 4.
Gear for ships, Hydraulic steering. W. E. Rouse. 1,854,226; Apr. 19.
Gear for tractors, Steering. W. W. Swan. 1,889,906; Dec. 6.
Gear for vehicles, Steering. A. Flettner. 1,889,728; Nov. 29.
Gear for water and air vehicles, Steering. H. Hort. 1,890,293; Dec. 6.
Gear, Free-wheel. E. Eichhorn. 1,866,254; July 5.
Gear, Friction. R. Erban. 1,878,272; Sept. 20.
Gear, Friction draft. M. B. Cameron. 1,880,782; Oct. 4.
Gear, Friction draft. C. J. Holland. Re18,404; Apr. 5.
Gear, Friction draft. C. J. Holland. 1,859,703; May 24.
Gear, Friction draft. C. J. Holland. 1,874,531; Aug. 30.
Gear, Friction draft. E. H. Schmidt. 1,853,886; Apr. 12.
Gear, Friction draft. E. H. Schmidt. 1,853,932; Apr. 12.
Gear, Friction draft. R. R. Stevens. 1,883,064. Oct. 18.
Gear, Friction draft. G. W. Wildin. 1,844,234; Feb. 9.

Gear, Friction draft. H. F. Woernley. 1,844,197; Feb. 9.
Gear, Friction-wheel differential. A. F. Gerdes. 1,856,383; May 3.
Gear generating machine. J. M. Christman. 1,870,709; Aug. 9.
Gear grinding machine. C. H. Schurr. Re18,532; July 19.
Gear holding and centralizing device. D. C. Page. 1,882,871; Oct. 18.
Gear holding and centralizing device. G. D. Scott. 1,852,997; Oct. 18.
Gear, Hydraulic draft. J. A. McGrew. 1,876,145; Sept. 6.
Gear, Hydraulic variable speed. W. Slessor and W. H. Millar. 1,851,456; Mar. 29.
Gear, Landing. L. Breguet. 1,852,230; Apr. 5.
Gear, Landing. H. H. Harris. 1,864,134; June 21.
Gear, Landing. H. E. Swift. 1,857,611; May 10.
Gear lapping machine. C. H. Schurr. 1,884,292; Oct. 25.
Gear lapping machine and lapping gears. H. F. Hodgkins. 1,853,354; Apr. 12.
Gear, Life saving. O. H. Driiger and H. Stelzner. 1,878,474; Sept. 20.
Gear, Locomotive driving. H. J. Bennett. 1,867,246; July 12.
Gear mechanism. R. Chilton. 1,864,170; June 21.
Gear mechanism. R. J. L. Molneau. 1,852,217; Dec. 27.
Gear mechanism, Change speed. E. G. Grinham. 1,861,387; May 31.
Gear mechanism, Change speed. P. Riley. 1,889,700; Nov. 29.
Gear mechanism, Reverse. F. N. Bard. 1,869,363; Aug. 2.
Gear mechanism, Reverse. J. Kindervater. 1,891,545; Dec. 20.
Gear mechanism, Reverse. G. Tremolada. 1,862,871; June 14.
Gear mechanism, Reversing. C. C. Bertram. 1,859,909; May 24.
Gear mechanism, Reversing. C. C. Bertram. 1,862,173; June 7.
Gear mechanism, Reversing. C. C. Bertram. 1,885,173; Nov. 1.
Gear operation recorder, Draft. H. T. Krakau. 1,872,977; Aug. 23.
Gear or gearing. J. Potts. 1,859,528; May 24.
Gear, particularly for motor vehicles, Automatically variable transmission. H. F. Hobbs. 1,864,824; June 28.
Gear particularly for motor vehicles, Automatically variable transmission. H. F. Hobbs. 1,865,910; July 5.
Gear, Power steering. L. Dewandre. 1,873,226; Aug. 30.
Gear, Power steering. H. Hubbell, jr. 1,857,380; May 10.
Gear, Railway draft. W. R. Hewitt. 1,877,399; Sept. 13.
Gear, Reducing. F. Hodgkinson. 1,847,611; Mar. 1.
Gear, Resilient. M. Rall and F. Allendorf. 1,840,277; Jan. 5.
Gear, Retractable landing. G. Loening. 1,887,357; Nov. 8
Gear, Retractable landing. R. J. Minshall. 1,874,570; Aug. 30.
Gear, Retractable landing. G. Vultee. 1,867,786; July 19
Gear, Reverse. J. V. Petrelli. 1,839,991; Jan. 5.
Gear, Running. J. J. Low. 1,868,173; July 19.
Gear, Self releasing. L. Edwards. 1,842,014; Jan. 19.
Gear set, Change speed. N. London. 1,858,050; May 10
Gear sets, Lapping. J. M. Christman. 1,879,089; Sept. 27.
Gear shaping mechanism. J. L. Matthews. 1,851,397; Mar. 29.
Gear shift. F. S. Cartwright. 1,867,061; July 12.
Gear shift. J. G. Hanson. 1,865,690; July 5.
Gear shift. R. C. Hoffman. 1,862,308; June 7.
Gear shift apparatus for tractor trailer vehicles. W. L. Hoge. 1,846,394; Feb. 23.
Gear shift, Automatic. J. S. Tenbrook. 1,864,103; June 21.
Gear shift, Automatic. R. B. Spikes. 1,889,814; Dec. 6.
Gear shift, Bicycle. P. J. Taft. 1,861,337; July 12.
Gear shift for automobile engines, Silent. C. R. Newcomb. 1,870,134; Aug. 2.
Gear shift, High speed. N. Lombard. 1,858,051; May 10.
Gear shift lever knob. J. S. Andrews. 1,889,118; Nov. 29.
Gear shift mechanism. J. S. Alspaugh. 1,844,550; Feb. 9.
Gear shift mechanism. P. L. Tenney. 1,886,848; Nov. 8
Gear shifter, Transmission. S. O. White. 1,872,566; Aug. 16.
Gear shifting device, Automatic. A. Zinecker. 1,865,997; July 5.
Gear shifting mechanism. W. B. Barnes. 1,880,066; Sept. 27.
Gear shifting mechanism. F. M. Bartelme. 1,871,771; Aug. 16.
Gear shifting mechanism. J. A. Martin. 1,860,196; May 24.
Gear shifting mechanism. J. H. McCarthy. 1,881,819; Oct. 11.
Gear shifting mechanism. F. A. Pearson. 1,849,435; Mar. 15.
Gear shifting mechanism. F. A. Pearson. 1,849,882; Mar. 15.
Gear shifting mechanism, Automatic. H. L. Pitman and A. G. F. Kurowski. 1,851,059; Mar. 29.
Gear shifting mechanism, Transmission. R. C. Bauckham. 1,873,991; Aug. 30.
Gear, Silent. R. W. Lytle. 1,891,823; Dec. 20.
Gear, Speed change. R. Erban. 1,859,502; May 24.
Gear, Speed changing. H. E. Fatland. 1,864,992; June 28.
Gear, Speed changing and speed reducing. J. S. Shaw and W. Heap. 1,846,160; Feb. 23.
Gear, Speed reducing. C. M. Schaeffer. 1,877,695; Sept. 13.
Gear, Spiral. S. J. Sanford. 1,882,302; Oct. 11.
Gear, stabilizing float, and revolving bumper for hydro-airplanes, Combination landing. H. A. Bellgard. 1,852,691; Apr. 5.
Gear, Starting. E. A. Doub. 1,876,642; Sept. 13.
Gear, Starting. H. Ford. 1,888,717; Nov. 22.
Gear, Steering. F. F. Chandler. 1,844,005; Feb. 9.
Gear, Steering. W. H. Hewitt. 1,845,874; Feb. 16.
Gear, Steering. A. J. Hills. 1,891,818; Dec. 20.
Gear, Steering. R. C. Hoffman. 1,886,390; Oct. 4.
Gear, Steering. W. A. Kull and H. M. Denyes. 1,846,263; Feb. 23.
Gear, Steering. O. F. Lundelius and J. R. Dillon. 1,886,963; Nov. 8.
Gear, Steering. H. Marles. 1,847,721; Mar. 1.
Gear, Steering. H. Maries. 1,882,843; Oct. 18.
Gear, Steering. E. R. Nyland. 1,864,576; June 28.
Gear, Steering. C. E. Rymes. 1,865,966; July 5.
Gear, Steering. E. O. Schjolin. 1,872,012; Aug. 16.
Gear, Steering. R. C. Schuetz. 1,891,208; Dec. 13.
Gear, Steering. N. Trbojevich. 1,876,795; Sept. 13.
Gear, Steering. R. E. Young. 1,850,948; Mar. 22.
Gear, Step down transmission. H. Seringer. 1,848,985; Mar. 8.
Gear, Swinging landing. W. H. Lutz. 1,839,976; Jan. 5.
Gear system, Steering. A. E. Weingartner. 1,884,437; Oct. 25.
Gear teeth, Apparatus for testing. G. L. Hansen. 1,886,543; Nov. 8.
Gear testing machine. F. T. Swain. 1,884,368; Oct. 25.
Gear, Trailer draft. W. John. 1,884,975; Oct. 25.
Gear transmission. L. K. Braren. 1,867,492; July 12.
Gear transmission. G. H. Cook. 1,860,017; May 24.
Gear, Transmission. W. Neurath. 1,858,934; May 17.
Gear, Transmission. T. H. Orr. 1,861,480; June 7.
Gear, Transmission. J. M. Simpson. 1,871,014; Aug. 9.
Gear, Trawl. J. R. J. A. Vigneron. 1,867,196; July 12.
Gear, Trawling. J. C. Malcolm. 1,869,018; July 26.
Gear, Trawling. J. F. H. Temple. 1,843,050; Jan. 26.
Gear, Two speed starting. E. W. Frederick. 1,849,002; Mar. 8.
Gear, Valve. W. B. Gorr. 1,865,247; June 28.
Gear, Valve. F. W. Vernon. 1,892,226; Dec. 27.
Gear, Variable speed. B. Lange. 1,840,726; Jan. 12.
Gear, Variable speed friction. E. Christiansen. 1,853,565; Oct. 18.
Gear, Variable speed driving or transmitting. L. S. Harber and J. E. Pointon. 1,871,320; Aug. 9.
Gear, Vehicle running. F. M. Rice. 1,877,252; Sept. 13.
Gear, Washing machine. F. R. Steelsmith. 1,843,347; Feb. 2.
Gear wheel. E. Dubosc. 1,842,590; Jan. 26.
Gear wheel, Non-metallic. C. W. Mansur. 1,891,937; Dec. 27.
Geared motor. V. G. Apple. 1,866,339; July 5.
Gearing. J. Bethune. 1,861,258; May 31.
Gearing. G. W. Dunham. 1,890,602; Dec. 13.
Gearing. W. A. Frantz. 1,869,033; July 26.
Gearing. I. Short. 1,874,713; Aug. 30.
Gearing arrangement of mangling or wringing machines. E. Louchet. 1,861,141; May 24.
Gearing, Belt. L. K. Braren. 1,867,490; July 12.
Gearing, Bevel-wheel. W. Stoeckicht. 1,856,443; May 3.
Gearing, Chain transmission. K. D. McMillan. 1,892,067; Dec. 27.
Gearing, Change speed. E. Moldenhauer. 1,861,931; June 7.
Gearing, Change speed. M. Wagner. 1,874,736; Sept. 13.
Gearing, Change speed or reverse. J. V. Petrelli. 1,839,992; Jan. 5.
Gearing device, Automatically working continuous. J. E. Thellmod and B. Zettergren. 1,859,899; May 24.
Gearing, Differential. N. Trbojevich. 1,869,528; Aug. 2.
Gearing differential, Press roll. E. E. Berry. 1,880,690; Oct. 4.
Gearing, Drive axle. H. F. Omer and M. R. Williams. 1,884,884; Nov. 22.
Gearing, Electromechanical change speed. H. L. Swartling. 1,862,774; June 14.
Gearing, Extension transmission. J. E. Padgett and C. D. Peterson. 1,859,788; May 24.
Gearing for auto vehicles. F. R. Craig. 1,867,497; July 12.
Gearing for hektograph machines. J. P. Pederson. 1,869,436; Aug. 2.
Gearing for rolling mills and the like, Change speed. W. Sykes. 1,878,729; Sept. 20.
Gearing for stokers. A. E. Weingartner. 1,889,718; Nov. 29.
Gearing, Friction roller. W. Stoeckicht. 1,868,676; July 26.
Gearing, Hydraulic variable speed. F. A. Gerling. 1,881,471; Oct. 11.
Gearing, Making planetary. O. H. Banker. 1,851,147; Mar. 29.
Gearing, Method of and apparatus for cutting worm. S. I. Cone. 1,885,686; Nov. 1.
Gearing, particularly for motor vehicles, Variable speed. V. Valletta. 1,850,041; Mar. 15.

Gearing, particularly for motor vehicles, Variable speed. V. Valletta. 1,852,636; Jan. 26.
Gearing particularly for motor vehicles, Variable speed. V. Valletta. 1,854,082; Apr. 12.
Gearing, Power transmission. E. C. Hatcher. 1,857,020; May 3.
Gearing, Press roll. E. E. Berry. 1,880,689; Oct. 4.
Gearing, Reduction. H. F. Schmidt. 1,849,696; Mar. 15.
Gearing, Reduction. I. Short. 1,849,596; Mar. 15.
Gearing, Reduction. I. Short and J. Ormondroyd. 1,859,007; May 17.
Gearing, Starter. L. H. Hougen. 1,892,103; Dec. 27.
Gearing structure for lathes. H. B. Sparks. 1,848,392; Mar. 8.
Gearing, System of friction. H. L. Prout. 1,870,421; Aug. 9.
Gearing, Transmission. C. E. F. Ahlm. 1,850,089; Mar. 22.
Gearing, Transmission. C. E. F. Ahlm. 1,880,064; Sept. 27.
Gearing, Transmission. C. E. F. Ahlm. 1,880,228; Oct. 4.
Gearing, Transmission. H. L. Burkhardt. 1,891,499; Dec. 20.
Gearing, Transmission. J. P. Johnson. 1,855,679; Apr. 26.
Gearing, Transmission. J. E. Padgett and C. D. Peterson. 1,887,943; Nov. 15.
Gearing, Transmission. R. S. Plexico. 1,872,338; Aug. 16.
Gearing, Transmission. G. M. Soule. 1,848,278; Mar. 8.
Gearing, Transmission. W. A. Van Berkel. 1,873,068; Sept. 20.
Gearing, Variable friction. J. H. Robertson. 1,850,158; Mar. 22.
Gearing, Variable friction. J. H. Robertson. 1,860,621; May 31.
Gearing, Variable friction. J. H. Robertson. 1,879,508; Sept. 27.
Gearing, Variable speed. M. Björndal and E. A. Wick. 1,883,500; Oct. 18.
Gearing, Variable speed. L. F. Granier. 1,892,270; Dec. 27.
Gearing, Variable speed. J. P. Johnson. 1,855,680; Apr.
Gearing, Variable speed. W. V. Orr. 1,854,622; Apr. 19.
Gearing, Variable speed. H. J. Thomson. 1,870,076; Aug. 2.
Gearing, Worm. E. C. Head. 1,852,775; Apr. 5.
Gears and gear shaped articles, Perfecting. E. Wildhaber. 1,881,382; Oct. 4.
Gears and gear shaper cutters, Method of and apparatus for generating the teeth of. O. C. Simmons. 1,858,468; May 17.
Gears, Apparatus for correcting. A. B. Redner 1,876,167; Sept. 6.
Gears, Apparatus for grinding. F. Burgess. 1,842,538; Jan. 26.
Gears, Cutting. E. C. Head. 1,877,173; Sept. 13.
Gears, Cutting the teeth of. O. G. Simmons. 1,862,202; June 7.
Gears during gear shifting operation, Retarding spinning of automobile transmission. C. Doman. 1,851,571; Mar. 29.
Gears for co-axial shafts, Reducing. G. Pirinoli. 1,882,033; Oct. 11.
Gears, Forming internal and crown. G. C. Chase. 1,847,926; Mar. 1.
Gears, Grinding. E. Wildhaber. 1,858,568; May 17.
Gears, Making splined. E. F. Davis. Re18,661; Nov. 22.
Gears, Making worm. F. H. Ragan. 1,847,848; Mar. 1.
Gears, Manufacturing silent. R. W. Lytle. 1,861,125; May 31.
Gears, Method of and apparatus for burnishing. E. C. Head. 1,858,044; May 10.
Gears, Method of and apparatus for grinding curved tooth. A. L. Stewart. 1,877,205; Sept. 13.
Gears, Method of and machine for generating worm. N. Trbojevich. 1,867,782; July 19.
Gears to railroad cars, Apparatus for applying draft. P. M. Bellows. 1,843,968; Feb. 9.
Gel production utilization. W. Crow and H. Dittlinger. 1,871,447; Aug. 16.
Gels and making same, Adsorbent and/or catalytic. E. H. Barclay. 1,864,628; June 28.
Gels, Water softening. O. Liebknecht. 1,849,985; Mar. 15.
Gelatin and the like, Apparatus for drying. D. U. Smith. 1,889,880; Dec. 6.
Gelatin pad copying machine. W. E. Williams. 1,862,616; June 14.
Gelatin to solution, Reducing dry. E. T. Erickson. 1,867,610; May 17.
Gelatine, Manufacture of. E. Atherton. 1,892,599; Dec. 27.
Gem and jewel, Composite. H. H. Welch. 1,850,190; Mar. 22.
Gem setting. S. A. Pilblad. 1,885,544; Nov. 1.
Gem setting for rings, pendants, and ear rings. M. W. Stern. Des. 88,265–6; Nov. 8.
Generating and modulating apparatus. W. A. Stevens. 1,878,724; Sept. 20.
Generating and selecting system, Harmonic. C. R. Keith. 1,885,728; Nov. 1.
Generation station, Peak load. F. W. Gay. 1,872,927; Aug. 23.
Generator; *See*—
Acetylene generator.
Air heat generator.
Electric generator.
Fluid generator.
Frequency generator.
Gas generator.
Glass generator.
Magneto-electric generator.
Motor generator.
Multiple generator.
Oscillation generator.
Ozone generator.
Signal generator.
Steam generator.
Subharmonic generator.
Tuning fork generator.
Vapor generator.
Water gas generator.
Welding generator.
Generator. F. W. Kells. 1,866,935; July 12.
Generator. N. E. Lindenblad. 1,842,553; Jan. 26.
Generator and control device, Thermostatic. A. J. and W. C. Lindeman and A. T. Schmidt. 1,886,701; Nov. 8.
Generator and feed water preheater and purifier, Combined steam. O. H. Hartmann and H. Trede. 1,876,514; Sept. 20.
Generator and heater. J. A. Kreuser and J. Willerscheidt. 1,872,754; Aug. 23.
Generator and modulator, High frequency. C. W. Hough. 1,886,188; Nov. 1.
Generator construction, Electric. J. K. Lencke and H. Schmid. 1,840,674; Jan. 12.
Generator control. D. L. Wertz. 1,883,428; Oct. 18.
Generator drive. B. M. Leece. 1,875,040; Aug. 30.
Generator excitator system. L. E. Tyrrell. 1,891,072; Dec. 13.
Generator of ultra violet rays. H. W. Weld. 1,845,376; Feb. 16.
Generator overload stop. A. F. Brotz. 1,852,835; Apr. 5.
Generator pilot raising device. F. F. Bunts and W. E. Rogers. 1,868,876; July 12.
Generator process and apparatus, Oscillation. H. E. Rederker. 1,850,689; Mar. 22.
Generator regulating system, Electric. G. Courvoisier. 1,863,298; June 14.
Generator regulator. B. M. Leece. 1,875,042; Aug. 30.
Generator tester. L. H. Dugan. 1,874,259; Aug. 30.
Generator with common water circulation, Multiple steam. W. D. La Mont. 1,860,364; May 31.
Generators, Charging apparatus for gas. W. A. Barr. 1,849,234; Jan. 19.
Generators, Method and apparatus for synchronizing alternating current. H. T. Seeley. 1,852,825; Apr. 5.
Generators, Regulating system for alternating current. M. C. Spencer. 1,843,250; Feb. 2.
Generators, Regulating system for alternating current. M. C. Spencer. 1,884,903; Oct. 25.
Geological disturbances, Detecting electrical. C. R. Rogers. 1,872,504; Aug. 16.
Geological formations, Determining angle and direction of dip. C. R. Nichols. 1,891,628; Dec. 20.
Germ destroying device, Suction cleaner. F. M. Schneider. 1,863,883; June 21.
Germanium from zinc sulphate solutions, Removing. W. E. Mitchell. 1,848,264; Mar. 8.
Germicide. C. B. Wood. 1,891,462; Dec. 20.
Giborium. W. H. Achurch. Des. 87,899; Oct. 11.
Gill-drawing frame. W. Holdsworth. 1,876,936; Sept. 13.
Gin rib. F. B. Cumpston. 1,851,977; Apr. 5.
Girder. K. Bauer. 1,855,902; Apr. 26.
Girder construction. E. J. W. Ragsdale. 1,865,059; June 28.
Gland suitable for turbine shafts. C. A. Parsons. 1,861,132; May 31.
Glands of the plagiostomi, Treatment of the. A. Ehrenreich. 1,866,633; July 12.
Glare diverter for automobile head lamps. S. S. Staley. 1,845,729; Feb. 16.
Glare preventer. H. Stein. 1,848,090; Mar. 1.
Glareshield for vehicles. W. Sudbrink. 1,868,031; July 19.
Glaserite, Recovering. H. T. Woodward. 1,883,261; Oct. 18.
Glass; *See*—
Colorless glass.
Contact glass.
Flowing glass.
Laminated glass.
Medicine glass.
Safety glass.
Sight flow glass.
Soundproof and heat insulating glass.
Glass. Z. Von Veress. 1,842,772; Jan. 26.
Glass and apparatus for producing same, Laminated. G. B. Watkins. 1,841,689; Jan. 19.
Glass and apparatus therefor, Heating. F. G. Schwalbe. 1,882,992; Oct. 18.
Glass and apparatus therefor, Manufacture of wire net. J. Gaskell. 1,892,488; Dec. 27.
Glass and making same, Laminated. W. H. Moss. 1,871,725; Aug. 16.
Glass and making the same, Laminated. W. H. Moss and K. H. Crutchfield. 1,870,018; Aug. 2.
Glass and making the same, Laminated. W. H. Moss and K. H. Crutchfield. 1,884,809; Oct. 25.
Glass and operating the same, Apparatus for making laminated. J. L. Drake. 1,872,693; Aug. 23.
Glass and preparing the same, Laminated. W. H. Moss. 1,849,504; Mar. 15.
Glass and producing the same, Laminated. D. Adams. 1,873,248; Aug. 23.

Glass and producing the same, Laminated. B. M. Ayers. 1,872,555 ; Aug. 16.
Glass and producing the same, Laminated. G. B. Watkins. 1,807,787 ; July 19.
Glass and the like, Melting. G. Zotos. 1,863,708 ; June 21.
Glass and vitreous enamels, Apparatus for making. G. H. McIntyre and R. W. Stuart. 1,870,636 ; Aug. 9.
Glass, annealing leer. J. L. Drake. 1,865,891 ; July 5.
Glass apparatus. W. F. Brown. 1,872,664 ; Aug. 23.
Glass apparatus. J. L. Drake. 1,845,909 ; Feb. 16.
Glass apparatus. J. W. Wildermuth. 1,847,156 ; Mar. 1.
Glass, Apparatus and method for drawing. A. E. Spinasse. 1,878,906 ; Sept. 20.
Glass, Apparatus and method of drawing. A. E. Spinasse. 1,882,262 ; Oct. 11.
Glass, Apparatus and method of feeding molten. L. G. Bates and F. E. Haskell. 1,853,842–3 ; Apr. 12.
Glass, Apparatus and method of manufacturing sheet. L. Delloye. 1,867,940 ; July 19.
Glass, Apparatus and process for making window sheet or flat. W. J. Powell. 1,881,327 ; Oct. 4.
Glass, Apparatus for conducting molten. W. O. Amsler. 1,845,824 ; Feb. 16.
Glass apparatus for copying goffered films, Rotating. I. Kitrosser. 1,884,996 ; Oct. 25.
Glass, Apparatus for cutting flat. R. C. Williamson. 1,855,678 ; Apr. 19.
Glass, Apparatus for drawing sheet. R. Arcq. 1,846,984 ; Feb. 23.
Glass, Apparatus for feeding. F. Eckert. 1,845,491 ; Feb. 16.
Glass, Apparatus for feeding molten. E. H. Curtis, jr. 1,864,186 ; June 21.
Glass, Apparatus for feeding molten. L. D. Soubier. 1,845,655 ; Feb. 16.
Glass, Apparatus for feeding molten. L. D. Soubier. 1,872,210 ; Aug. 2.
Glass, Apparatus for forming and annealing sheet. F. Fraser. 1,865,894 ; July 5.
Glass, Apparatus for forming articles of. W. J. Miller. 1,866,506 ; July 5.
Glass, Apparatus for forming reenforced. K. Macht. 1,858,590 ; May 24.
Glass, Apparatus for forming sheet. L. C. Mambourg. 1,872,776 ; Aug. 23.
Glass, Apparatus for grinding and polishing. W. O. Amsler. 1,892,326 ; Dec. 27.
Glass, Apparatus for grinding sheet. J. P. Crowley. 1,872,695 ; Aug. 16.
Glass, Apparatus for making composite. W. O. Lytle. 1,844,088 ; Feb. 9.
Glass, Apparatus for making composite. J. H. Sherts. 1,878,899 ; Sept. 20.
Glass, Apparatus for making laminated. J. L. Drake. 1,872,692 ; Aug. 23.
Glass, Apparatus for making plate. J. H. Fox. 1,861,627 ; June 7.
Glass, Apparatus for making plate. J. H. Fox. 1,890,322 ; Dec. 6.
Glass, Apparatus for making plate. W. G. Koupal. 1,871,218 ; Aug. 9.
Glass, Apparatus for making wire. P. F. Gutmann. 1,856,630 ; May 3.
Glass, Apparatus for melting. W. O. Amsler. 1,889,510 ; Nov. 29.
Glass, Apparatus for producing laminated. D. Adams. 1,860,067 ; May 24.
Glass, Apparatus for producing sheet. W. E. Nobbe. 1,841,548 ; Jan. 19.
Glass, Apparatus for sealing laminated. P. C. Lawson. 1,841,745 ; Jan. 19.
Glass, Apparatus for surfacing sheet. J. L. Drake. 1,872,694 ; Aug. 23.
Glass, Apparatus for washing sheet. J. C. Gipe and J. P. Crowley. 1,888,496 ; Nov. 22.
Glass apparatus, Laminated. J. L. Drake. 1,870,284 ; Aug. 9.
Glass apparatus, Sheet. L. D. Blackshere. 1,865,819 ; July 5.
Glass apparatus, Sheet. W. F. Brown. 1,872,399 ; Aug. 16.
Glass apparatus, Sheet. C. Cone. 1,841,714–15 ; Jan. 19.
Glass apparatus, Sheet. C. Cone. 1,848,162 ; Mar. 8.
Glass apparatus, Sheet. J. L. Drake. 1,872,696 ; Aug. 23.
Glass apparatus, Sheet. J. L. Drake. 1,872,699 ; Aug. 23.
Glass apparatus, Sheet. J. C. Henderson. 1,872,587 ; Aug. 16.
Glass apparatus, Sheet. F. J. Kincaid. 1,860,100 ; May 24.
Glass apparatus, Sheet. F. J. Kincaid. 1,872,751 ; Aug. 23.
Glass apparatus, Sheet. L. C. Mambourg. 1,860,044 ; May 24.
Glass apparatus, Width maintaining means for sheet. L. C. Mambourg. 1,841,660 ; Jan. 19.
Glass, Arrangement for teasing and layering spun. A. Borcholt and O. Meyer. 1,887,673 ; Nov. 15.
Glass article and treating the same. W. M. Daniewski. 1,859,537 ; Mar. 22.
Glass articles, Apparatus for feeding. J. F. Donovan and G. Illingworth. 1,888,851 ; Nov. 22.
Glass articles, Handling. J. Bailey. 1,868,480 ; July 26.
Glass articles, Making blown. L. D. Soubier. 1,859,114 ; May 17.
Glass articles, Mechanism for forming hollow. V. E. Hofmann. 1,868,318 ; Nov. 22.
Glass articles, Method of and apparatus for making. C. Wales. 1,859,011 ; May 17.
Glass articles, Strengthening frosted. K. Fuwa and T. Okugawa. 1,852,840 ; Apr. 5.
Glass band from the surface of the molten glass metal, Drawing a. B. Engels. 1,892,459 ; Dec. 27.
Glass batch, Method and apparatus for feeding and melting. K. E. Peiler. 1,874,799 ; Aug. 30.
Glass batches of uniform mixture, Storing and supplying. R. Bennett and S. B. Bowman. 1,867,489 ; July 12.
Glass, Bending. R. C. Thompson. 1,889,881 ; Dec. 6.
Glass beveling machine. R. Föhrenbach. 1,848,470 ; Mar. 8.
Glass blowing machine. R. La France. 1,878,863 ; Sept. 20.
Glass blowing machine. L. D. Soubier. 1,859,113 ; May 17.
Glass blowing machine and method. H. W. Ingle. 1,843,159–60 ; Feb. 2.
Glass-blowing machine, Automatic. M. Aftergut. 1,875,202 ; Aug. 30.
Glass bodies by means of pressing and blowing, Device for manufacturing hollow. J. J. C. Hardenberg. 1,857,540 ; May 10.
Glass building-stone, tile or like building element. J. W. Janzen. 1,868,236 ; July 19.
Glass bulb, Frosting the inner surface of. T. Naruse. 1,878,819 ; Sept. 6.
Glass by electricity, Melting. H. F. Hitner. 1,885,722 ; Nov. 1.
Glass channel remover. C. J. Thoman and W. Westcott. 1,877,620 ; Sept. 13.
Glass charges, Apparatus for feeding. C. Nagle and C. B. Hoopes. 1,879,421 ; Sept. 27.
Glass. Combined flashlight and reading. I. H. M. Bloch. 1,884,968 ; Oct. 25.
Glass crumbling machine. J. J. McCabe. 1,862,194 ; June 7.
Glass cutter. C. J. Fancher. 1,884,635 ; Oct. 25.
Glass, Cutting. C. J. Barrow. 1,887,974 ; Nov. 15.
Glass cutting apparatus. R. P. Callard and J. H. Moller. 1,853,298 ; Apr. 12.
Glass cutting apparatus. R. P. Callard and J. H. Moller. 1,853,505 ; Apr. 12.
Glass cutting apparatus. G. Chiotti. 1,876,612 ; Sept. 13.
Glass cutting equipment. C. F. Burdett and W. Owen. 1,878,818 ; Sept. 20.
Glass cutting machine. W. B. Hill. 1,839,759 ; Jan. 5.
Glass cutting machine. H. D. Hively and O. C. Natlis. 1,885,099 ; Oct. 25.
Glass cutting machine. O. C. Natlis. 1,881,220 ; Oct. 4.
Glass cutting machine. J. E. Walker. 1,857,748 ; May 10.
Glass cutting machine, Multiple. C. F. and N. H. Klages. 1,852,310–11 ; Apr. 5.
Glass cutting mechanism. J. A. Boush. 1,869,044 ; July 26.
Glass cutting mechanism. A. Kadow and C. W. Schwenzfeier. 1,879,690 ; Sept. 27.
Glass cutting table. J. D. McLeod. 1,871,220 ; Aug. 9.
Glass, Device for securing. L. C. Smith. 1,873,349 ; Aug. 23.
Glass, Device for use in cutting. G. R. Kelly. 1,850,632 ; Mar. 22.
Glass drawing. W. O. Amsler. 1,865,811 ; July 5.
Glass drawing apparatus. L. J. Pierce and F. L. Bishop. 1,864,930 ; June 28.
Glass drawing apparatus. A. C. Wilcox. 1,872,542 ; Aug. 16.
Glass drawing apparatus, Sheet. H. E. Allen. 1,872,550 ; Aug. 16.
Glass drawing apparatus, Sheet. E. L. Le Roy. 1,887,414 ; Nov. 8.
Glass drawing means, Sheet. J. L. Drake. 1,854,506 ; Apr. 19.
Glass, Drinking. H. Rose. Des. 88,258 ; Nov. 8.
Glass edging machine, Sheet. H. O. Kranich. 1,850,465 ; Mar. 22.
Glass extracting device. J. K. Merneck. 1,862,976 ; June 14.
Glass feeder. L. D. Soubier. 1,843,249 ; Feb. 2.
Glass feeder. T. Stenhouse. 1,847,276 ; Mar. 1.
Glass feeder apparatus. K. E. Peiler and W. T. Barker. 1,878,536 ; Sept. 20.
Glass feeder, Pneumatic. R. Good. 1,882,076 ; Oct. 11.
Glass feeder, Pneumatic. T. Stenhouse. 1,848,395 ; Mar. 8.
Glass feeding apparatus. R. Good. 1,844,847 ; Feb. 9.
Glass feeding apparatus. T. Wardley. 1,884,427 ; Oct. 25.
Glass feeding method and apparatus. K. E. Peiler. 1,888,963 ; Nov. 22.
Glass, Feeding molten. G. W. Batchell. 1,863,095 ; June 14.
Glass, Feeding molten. G. E. Howard. 1,853,002 ; Apr. 5.
Glass, Feeding molten. L. D. Soubier. 1,869,921 ; Aug. 2.
Glass flux, Homogenization of. R. Thum. 1,868,558 ; July 26.
Glass forming and annealing method and apparatus, Sheet. J. Spivester. 1,879,998 ; Sept. 27.
Glass forming apparatus. R. W. Canfield. 1,859,232 ; May 17.

Glass forming apparatus and process. C. Cone. 1,857,806; May 10.

Glass forming machine. C. A. Brown, F. B. Van Sickle, and C. W. Craig. 1,874,168; Aug. 30.

Glass forming machine. I. H. Freese and H. H. Dawson. 1,864,689; June 28.

Glass forming machine. K. Schneegluth. 1,844,185; Feb. 9.

Glass forming machine. T. H. Sloan. 1,845,525; Feb. 16.

Glass forming machine. L. D. Soubier. 1,865,730; July 5.

Glass forming machines, Take-out mechanism for. J. W. Ikes. 1,858,042; May 17.

Glass forming method and apparatus. E. Danner. 1,891,373; Dec. 20.

Glass forming method and apparatus for separating quantities of molten. O. M. Tucker and W. A. Reeves. 1,864,275; June 21.

Glass furnace. J. L. Drake. 1,870,242; Aug. 9.

Glass furnace. E. E. Slick. 1,883,023; Oct. 18.

Glass furnace. L. D. Soubier. 1,879,718; Sept. 27.

Glass furnace. L. D. Soubier and J. E. McLaughlin. 1,876,030; Sept. 6.

Glass gathering. F. O'Neill. 1,852,329; Apr. 5.

Glass gathering and forming machine. K. E. Peiler. 1,871,566; Aug. 16.

Glass, Getting and delivering formed charges of viscous. O. M. Tucker and W. A. Reeves. 1,864,278-9; June 21.

Glass, Getting and delivering preformed charges of viscous. W. A. Reeves and O. M. Tucker. 1,864,276; June 21.

Glass grinding and polishing apparatus, Continuous. F. B. Waldron. 1,848,445; June 7.

Glass grinding and polishing apparatus, Sheet. J. L. Drake and F. Fraser. Re18,533; July 19.

Glass grinding and polishing machine, Continuous. J. H. Griffin. 1,849,980; Mar. 15.

Glass, Grinding sheet. J. P. Crowley. 1,872,415; Aug. 16.

Glass handling apparatus. J. P. Crowley. 1,872,413; Aug. 16.

Glass heater. J. M. Neill. 1,882,337; Oct. 11.

Glass in molds, Method of and apparatus for gathering molten. E. G. Bridges. 1,867,440; July 12.

Glass inspection apparatus. P. E. Arberry. 1,874,217; Aug. 30.

Glass jar. H. R. McDonald. Des. 86,621; Mar. 29.

Glass jar. H. R. McDonald. Des. 86,730; Apr. 12.

Glass jar. F. J. Petty. Des. 87,681; Aug. 30.

Glass jar. J. S. Sylvester. 1,867,389; July 12.

Glass, Making composite. E. L. Fix and M. L. Macht. 1,887,550; Nov. 15.

Glass, Making composite. J. H. Sherts. 1,870,693; Aug. 9.

Glass, Making composite. J. H. Sherts. 1,887,565; Nov. 15.

Glass, Making laminated. C. Dreyfus. 1,884,624; Oct. 25.

Glass, Making laminated. W. O. Lytle. 1,885,272; Nov. 1.

Glass making machine. H. C. Ganter. 1,878,485; Sept. 20.

Glass, Making plate. R. L. Clause. 1,871,156; Aug. 9.

Glass manufacture. W. L. Van Ness. 1,884,926; Oct. 25.

Glass, Manufacture of corrugated wire. A. Shuman. 1,858,965; May 17.

Glass, Manufacture of laminated. A. W. Hornig. 1,891,931; Dec. 27.

Glass, Manufacture of spun. F. Pollak. 1,875,491; Sept. 6.

Glass manufacture, Process and apparatus for sheet. J. L. Drake. 1,865,890; July 5.

Glass, Manufacturing non-scatterable. O. S. Marckworth. 1,867,085; July 12.

Glass, Manufacturing wired. F. H. Rowe. 1,868,177; July 19.

Glass Mechanism for skimming and stirring. J. F. Rule. 1,879,711; Sept. 27.

Glass, Melting. J. Bulask. 1,877,714; Sept. 13.

Glass melting furnace. J. L. Drake. 1,841,717; Jan. 19.

Glass melting furnace. J. L. Drake. 1,854,505; Apr. 19.

Glass melting furnace, Rotary. W. O. Amsler. 1,889,511; Nov. 29.

Glass melting tank, Electric. H. W. McIntosh. 1,878,591; Sept. 20.

Glass, Method and apparatus for controlling gravity issuance of molten. L. D. Soubier. 1,843,248; Feb. 2.

Glass, Method and apparatus for drawing sheet. E. T. Ferguson. Re17,566; Oct. 18.

Glass, Method and apparatus for drawing sheet. F. Fraser and W. E. Nobbe. 1,841,580; Jan. 19.

Glass, Method and apparatus for forming and annealing sheet. C. Cone. 1,848,107; Mar. 8.

Glass, Method and apparatus for forming sheet. J. L. Drake. 1,848,104; Mar. 8.

Glass, Process and apparatus for making. H. L. Halbach. 1,883,734; Oct. 18.

Glass, Process and apparatus for making. H. A. Wadman. 1,880,541; Oct. 4.

Glass, Method and apparatus for melting. R. L. Frink. 1,883,156; June 14.

Glass, Method and apparatus for producing sheet. E. Danner. 1,891,372; Dec. 20.

Glass, Method and apparatus for producing sheet. J. L. Drake. 1,841,577; Jan. 19.

Glass, Method and apparatus for producing sheet. J. L. Drake. 1,842,078; Jan. 19.

Glass, Method and apparatus for producing sheet. J. L. Drake. 1,848,115; Mar. 8.

Glass, Method and apparatus for producing sheet. J. L. Drake. 1,860,082; May 24.

Glass, Method and apparatus for producing sheet. J. L. Drake. 1,872,698; Aug. 23.

Glass, Method and apparatus for producing sheet. F. Fraser. 1,841,527; Jan. 19.

Glass, Method and apparatus for producing sheet. F. Fraser. 1,841,579; Jan. 19.

Glass, Method of and apparatus for drawing. A. E. Spinasse. 1,844,041; Feb. 9.

Glass, Method of and apparatus for drawing. A. E. Spinasse. 1,861,761; June 7.

Glass, Method of and apparatus for feeding molten. K. E. Peiler. 1,852,218; Apr. 5.

Glass, Method of and apparatus for feeding molten. K. E. Peiler. 1,873,021-2; Aug. 23.

Glass, Method of and apparatus for producing sheet. F. Eckert. 1,870,002; Aug. 2.

Glass, mirrors, etc., Device for mounting. H. H. Miller. 1,856,923; May 3.

Glass mounting for windows. M. Katz. 1,845,607; Feb. 16.

Glass, Mounting plate. J. C. Gipe and J. P. Crowley. 1,854,545; Apr. 19.

Glass, Obtaining variegated. W. T. Barker, jr. 1,873,866; Aug. 23.

Glass panels, Preparing. G. F. Mattman. 1,861,577; June 7.

Glass plates and other articles, Method and device for conveying. L. Von Reis. 1,879,720; Sept. 27.

Glass plates, Apparatus for separating composite. E. L. Fix. 1,885,245; Nov. 1.

Glass plates, Grinding and polishing. L. Von Reis. 1,850,946; Mar. 22.

Glass polishing apparatus, Plate. H. K. Hitchcock. 1,887,554; Nov. 15.

Glass polishing runners, Apparatus for cleaning plate. J. L. Drake. 1,856,179; May 3.

Glass, Process and apparatus for forming and annealing sheet. J. C. Blair. 1,848,103; Mar. 8.

Glass, Process and apparatus for forming and annealing sheet. C. Cone. 1,848,161; Mar. 8.

Glass, Process and apparatus for forming and annealing sheet. J. L. Drake. 1,848,117; Mar. 8.

Glass, Process and apparatus for forming molten. G. E. Howard. 1,852,719; Apr. 5.

Glass, Process and apparatus for forming sheet. J. L. Drake. 1,872,423; Aug. 16.

Glass, Process and apparatus for grinding. T. H. Swartzlander. 1,890,343; Dec. 6.

Glass, Process and apparatus for making sheet. L. Boudin. 1,859,862; May 24.

Glass, Process and apparatus for producing. J. L. Drake. 1,872,425; Aug. 16.

Glass, Process and apparatus for producing molten. J. P. Crowley and J. C. Gipe. 1,872,414; Aug. 16.

Glass, Process and apparatus for producing shaped mold charges of molten. G. E. Howard. 1,853,003; Apr. 5.

Glass, Process and apparatus for producing sheet. D. Adam. 1,848,097; Mar. 8.

Glass, Process and apparatus for producing sheet. J. C. Blair. 1,848,102; Mar. 8.

Glass, Process and apparatus for producing sheet. C. Cone. 1,865,836; July 5.

Glass, Process and apparatus for producing sheet. C. Cone. 1,872,684; Aug. 23.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,848,111; Mar. 8.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,848,114; Mar. 8.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,848,116; Mar. 8.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,860,085; May 24.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,860,140; May 24.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,865,843; July 5.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,872,691; Aug. 23.

Glass, Process and apparatus for producing sheet. J. L. Drake. 1,872,695; Aug. 23.

Glass, Process and apparatus for producing sheet. J. L. Drake and L. C. Mambourg. 1,857,809; May 10.

Glass, Process and apparatus for producing sheet. F. Fraser. 1,849,796; Mar. 15.

Glass, Process and apparatus for producing sheets of. J. L. Drake. 1,842,511; Jan. 26.

Glass, Process and apparatus for producing sheets of. J. L. Drake. 1,848,112; Mar. 8.

Glass, Process and apparatus for rolling thick plates of strip. Y. Brancart. 1,851,803; Mar. 29.

Glass, Process and apparatus for tempering. B. Long. 1,879,698; Sept. 27.

Glass, Process and apparatus for the manufacture of. J. C. Blair. 1,865,820; July 5.

Glass, Process and apparatus for the manufacture of. A. Do-Huu Chan. 1,892,458; Dec. 27.

Glass, Process and apparatus for the manufacture of laminated. H. H. Baker. 1,864,176; June 21.

Glass, Process and apparatus for the manufacture of sheet. J. C. Blair. 1,848,154; Mar. 8.

Glass, Process and plant for the casting of rough plate. G. P. Despret. 1,856,278; May 3.
Glass, Process of and apparatus for producing sheet. J. C. Blair. 1,848,153; Mar. 8.
Glass, Producing molten. T. C. McKinley. 1,875,474; Sept. 6.
Glass, Producing sheet. C. W. Swope. 1,872,524; Aug. 16.
Glass puddler and feeder, Combined. S. G. Stuckey. 1,884,357; Oct. 25.
Glass, Rolling. X. Brancart. 1,851,804; Mar. 29.
Glass rolling apparatus particularly applicable to the production of continuous glass. F. B. Waldron. 1,851,609; Mar. 29.
Glass rolling machine, Sheet. C. Cone. 1,868,274; July 19.
Glass run channel. J. S. Reid. 1,892,518; Dec. 27.
Glass scoring device, Sheet. C. E. Bliven. 1,853,498; Apr. 12.
Glass securing device. L. C. Smith. 1,873,350; Aug. 23.
Glass setting, Plate. C. G. U. Kreuger and S. Lewerentz. 1,888,535; Nov. 22.
Glass severing apparatus. K. E. Peiler. 1,862,979; June 14.
Glass, Severing composite. J. H. Sherts. 1,887,564; Nov. 15.
Glass sheets, Apparatus for rolling. L. N. Pond. 1,886,302; Nov. 1.
Glass sheets, Manufacture of non-splintering. G. E. Heyl. 1,867,009; July 12.
Glass sheets or plates, Apparatus for conveying and transferring. L. Drake. 1,872,424; Aug. 16.
Glass sheets, Process and apparatus for the manufacture and leering of. M. Bicheroux. 1,869,297; July 26.
Glass sheets, Receiving. V. M. Dorsey. 1,869,306; July 26.
Glass sheets, System for surfacing. J. L. Drake. 1,860,083; May 24.
Glass sheets upon supporting tables, Method and apparatus for securing. J. L. Drake. 1,854,399; Apr. 19.
Glass store front construction, Plate. L. Lamer. 1,845,610; Feb. 16.
Glass strips, Apparatus for making rolled. E. B. Le Mare. 1,851,684; Mar. 29.
Glass structure. H. B. Hawes. 1,869,963; Aug. 2.
Glass substitute. E. Haver. 1,842,093; Jan. 19.
Glass surfacing apparatus. J. L. Drake. 1,854,507; Apr. 19.
Glass surfacing apparatus. J. L. Drake. 1,872,697; Aug. 23.
Glass surfacing apparatus. F. Fraser. 1,841,724; Jan. 19.
Glass surfacing apparatus. J. M. McGoldrick. 1,857,852; May 17.
Glass surfacing apparatus, Sheet. J. L. Drake. 1,872,422; Aug. 16.
Glass surfacing apparatus, Sheet. I. O. Pedersen. 1,854,484; Apr. 19.
Glass surfacing apparatus, Sheet. E. G. Stahle. 1,854,493; Apr. 19.
Glass surfacing apparatus, Sheet. E. G. Stahle. 1,856,173; May 3.
Glass surfacing machine. J. P. Crowley. 1,868,275; July 19.
Glass surfacing means, Sheet. J. C. Blair. 1,854,394; Apr. 19.
Glass, Surfacing plate. J. P. Crowley. 1,870,238; Aug. 9.
Glass take-off mechanism. L. von Reis. 1,846,503; Feb. 23.
Glass, Tempering. B. Long. 1,879,699; Sept. 27.
Glass to a leer, Process and apparatus for delivering. E. Gentil. 1,855,955; Apr. 26.
Glass to a rolling apparatus for producing continuous glass strips, Feeding molten. E. B. Le Mare. 1,843,033; Jan. 26.
Glass to metal seal. B. Wellman. 1,880,514; Oct. 4.
Glass transfer mechanism. W. A. Morton and P. L. Geer. 1,850,928; Mar. 22.
Glass tubing from glass billets, Method and apparatus for forming. K. E. Peiler. 1,857,791; May 10.
Glass tubing from pressed glass blank, Method and machine for forming. K. E. Peiler. 1,857,257; May 10.
Glass tubings, Apparatus for drawing. L. D. Soubier. 1,876,091; Sept. 6.
Glass, Working. J. Bailey. 1,892,126; Dec. 27.
Glass working apparatus. F. G. Nelson, jr. 1,842,279; Jan. 19.
Glass working apparatus. E. E. Slick. 1,885,302; Nov. 1.
Glass working apparatus. W. H. Wood. 1,891,792; Dec. 20.
Glass working furnace. H. George. 1,878,392; Sept. 20.
Glass working machine. A. M. Clark. 1,871,497; Aug. 16.
Glass working machine. D. E. Gray. 1,892,463; Dec. 27.
Glass working machine. B. T. Headley, D. I. Du Bois, B. H. Koob, and F. H. Lobb. 1,844,549; Feb. 9.
Glassworking machine. P. F. Kucera. 1,840,513; Jan. 12.
Glass working machine. J. P. Scull. 1,870,755; Aug. 9.
Glass working machine. E. E. Slick. 1,888,396; Nov. 22.
Glasses, Binocular nose. S. S. Hixon. 1,851,579; Mar. 29.
Glasses made of transparent elastic material, Manufacturing process of watch. E. Morf. 1,877,358; Sept. 13.
Glassine, Producing crystallized ultraviolet transmitting. H. P. Hood. 1,889,067; Nov. 29.
Glassware and making same. A. H. Stewart. 1,883,065; Oct. 18.
Glassware, Annealing. V. Mulholland. 1,846,566; Feb. 23.
Glassware annealing leer. A. N. Cramer. 1,863,687; June 21.
Glassware, Apparatus for annealing. H. A. Wadman. 1,880,536; Oct. 4.
Glassware, Apparatus for fabricating. E. H. Lorenz. 1,885,739; Nov. 1.
Glassware, Apparatus for forming. R. W. Canfield. 1,885,682; Nov. 1.
Glassware, Apparatus for forming. T. Waugh, jr. 1,885,661; Nov. 1.
Glassware, Apparatus for handling. E. H. Lorenz. 1,878,156; Sept. 20.
Glassware, Apparatus for handling. G. E. Rowe. 1,869,622; Aug. 2.
Glassware, Apparatus for producing hollow. V. E. Hoffmann. 1,854,471; Apr. 19.
Glassware, Apparatus for producing hollow. L. D. Soubier. 1,859,247; May 17.
Glassware, Apparatus for stacking. H. W. Ingle. 1,849,038; Mar. 8.
Glassware, Apparatus for use in the manufacture of. L. J. Broche. 1,858,137; May 10.
Glassware blowing mechanism. R. F. Hatch and A. B. Butterfield. 1,853,561; Apr. 12.
Glassware forming apparatus. R. W. Canfield. 1,878,465; Sept. 20.
Glassware forming apparatus. A. N. Cramer. 1,859,074; May 17.
Glassware forming apparatus and method. H. W. Ingle. 1,871,521; Sept. 20.
Glassware forming machine. R. G. Allen. 1,875,796; Sept. 6.
Glassware forming machine. V. E. Hofmann. 1,852,570; Apr. 5.
Glassware forming machine. J. R. Hoge. 1,843,129; Feb. 2.
Glassware forming machine. J. R. Hoge and V. E. Hofmann. 1,876,005; Sept. 6.
Glassware forming machine. O. C. K. Hutchinson, J. E. McLaughlin and L. D. Soubier. 1,879,684; Sept. 27.
Glassware forming machine. L. H. Morin. 1,875,818; Sept. 6.
Glassware forming machine. H. A. Robrich. 1,845,626; Feb. 16.
Glassware forming machine. H. A. Robrich. 1,859,053; May 17.
Glassware forming machine. C. W. Schwenzfeier and J. E. McLaughlin. 1,879,712; Sept. 27.
Glassware forming machine, Continuous two-table. R. W. Canfield. 1,859,234; May 17.
Glassware forming machine, Continuous two-table. A. J. Smith. 1,888,438; Nov. 22.
Glassware forming machine, Continuously operating. R. W. Canfield. 1,859,233; May 17.
Glassware forming machine, Suction gathering. E. H. Lorenz. 1,882,548; Oct. 11.
Glassware handling apparatus. A. N. Cramer. 1,854,453; Apr. 19.
Glassware, Making. C. R. Lott. 1,840,458; Jan. 12.
Glassware making apparatus. R. W. Canfield. 1,859,231; May 17.
Glassware, Manufacture of blown. G. E. Rowe. 1,840,532; Jan. 12.
Glassware, Manufacture of blown. T. Waugh, jr. 1,863,915; June 21.
Glassware, Manufacture of hollow. R. W. Canfield. 1,859,230; May 17.
Glassware, Method and apparatus for annealing. R. Good. 1,844,154; Feb. 9.
Glassware, Method and apparatus for making. E. Danner. 1,891,371; Dec. 20.
Glassware, Method and apparatus for manufacturing. E. Danner. 1,891,370; Dec. 20.
Glassware, Method of and apparatus for annealing. V. Mulholland. 1,840,463; Jan. 12.
Glassware, Method of and apparatus for forming. R. W. Canfield. 1,859,235; May 17.
Glassware, Method of and apparatus for forming. E. H. Lorenz. 1,882,547; Oct. 11.
Glassware, Method of and apparatus for manufacturing. T. Waugh, jr. 1,885,660; Nov. 1.
Glassware, Rolling process for. R. W. Canfield. 1,859,057; May 22.
Glassware transfer, Oscillating. T. Waugh, jr. 1,888,440; Nov. 22.
Glaze and applying the same to refractory bodies containing silicon-carbide, Protective refractory. S. F. Walton. 1,868,451; July 19.
Glazed aggregate and preparing the same, Nonweathering. S. F. Walton. 1,855,210; Apr. 26.
Glazed frame. A. de B. Shrosbree and E. A. R. Byskou. 1,854,144; Apr. 12.
Glazing clip. J. N. McLoughlin. 1,851,201; Mar. 29.
Glazing construction for metal partition panels. T. V. Balch and J. A. Behnsack. 1,855,164; Apr. 19.
Glide for furniture, Resilient. B. C. Rice. 1,839,593; Jan. 5.
Glider. P. E. G. Ericson. 1,858,989; May 17.
Glider seat. W. R. McGowen. Des. 88,662; Dec. 13.
Globe. W. F. M. Hawe. Des. 86,884; May 3.

Globe and carbon holder for arc lamps. H. J. Brunk. 1,867,305; July 12.
Globe, Celestial. M. A. Hirschl. 1,857,546; May 10.
Globe, Celestial. W. E. Johnson. 1,853,059; Apr. 12.
Globe fixture. H. E. Schulse. Des. 56,937; May 10.
Globe, Lamp. R. V. Owen. Des. 56,738; Apr. 12.
Globe, Lamp. J. D. Stuart. Des. 57,420; July 19.
Globe stamping apparatus. J. E. Quigley. 1,840,466; Jan. 12.
Globe, Street light. H. W. Davidson. Des. 57,103; June 7.
Globe structure, Geographical. W. A. Hanses. 1,877,306; Sept. 13.
Glove. H. M. Richelani. 1,844,881; Feb. 9.
Glove. I. Steinberger. 1,883,062; Oct. 18.
Glove and finger cot. Medical examiner's rubber. D. W. B. Kurtz, jr. 1,854,047; Apr. 12.
Glove and method of making. C. H. Johanson. 1,864,439; June 21.
Glove, Ankle. C. F. Weigle. 1,844,997; Feb. 16.
Glove, Boxing. J. F. Kennedy. 1,859,216; July 26.
Glove finger tip construction. C. H. Johanson. 1,861,601; June 7.
Glove, Fourchette-less duplex-finger system. C. H. Johanson. 1,855,446; Nov. 1.
Glove machine. C. J. Shimer. 1,855,846; Apr. 26.
Glove manufacture, Combination. M. McKinley. 1,861,280; May 31.
Glove, Massaging. S. C. Wood. 1,885,572; Nov. 1.
Glove or mitt construction, Athletic. K. K. Kirkham. 1,852,406; Apr. 5.
Glove or similar article. A. C. Seide. Des. 56,645; Mar. 29.
Glove palm. A. Charney. 1,885,182; Nov. 1.
Glove, Sport. T. L. Lidston. 1,841,193; Jan. 12.
Glove, Washing, cleaning and polishing. H. Heath. 1,882,568; Oct. 11.
Gloves. H. A. Gillian. 1,875,441; Sept. 6.
Gloves, Apparatus for drying and airing. A. Hill. 1,855,105; Apr. 19.
Glow discharge device. D. D. Knowles. 1,872,302; Aug. 16.
Glow discharge tube. D. D. Knowles. 1,855,637; Apr. 26.
Glow relay tube. H. C. Rentschler. 1,840,055; Jan. 5.
Glow relay tube. H. C. Rentschler. 1,871,279; Aug. 9.
Glow relay tube. H. C. Rentschler. 1,875,151; Aug. 30.
Glucoside of adonis vernalis L. and making same. W. Kaeppler. 1,849,576; Mar. 15.
Glucoside of adonis vernalis, Manufacture of difficultly water-soluble. W. Karrer. 1,849,577; Mar. 15.
Glue and making plywood. H. V. Dunham. 1,892,486; Dec. 27.
Glue and making same, Vegetable. I. F. Laucks and G. Davidson. 1,854,720; Apr. 19.
Glue and method of making. I. F. Laucks and G. Davidson. 1,845,427; Feb. 16.
Glue and method of making. I. F. Laucks and G. Davidson. 1,871,329; Aug. 9.
Glue and process of making, Vegetable protein. I. F. Laucks and G. Davidson. 1,871,703; Apr. 19.
Glue applicator. W. H. Kushera and F. M. Brackett. 1,876,062; Sept. 6.
Glue solution and manufacturing same. R. H. Price. 1,844,879; Feb. 9.
Glue spreader. H. G. Francis. 1,846,856; Feb. 23.
Glue spreading machine. A. W. Raettig. 1,863,545; June 14.
Glue stocks, Preparing. C. H. Campbell. 1,869,881; Aug. 2.
Glue, Vegetable. I. F. Laucks and G. Davidson. 1,854,701; Apr. 19.
Gluing. T. W. Dike. 1,851,953; Mar. 29.
Gluing. T. W. Dike. 1,851,954; Mar. 29.
Gluing and assembling machine, Automatic. S. Madsen. 1,863,908; June 21.
Gluing machine. W. Steinmann. 1,855,207; Apr. 26.
Gluing, Method of hot. I. F. Laucks, C. N Cone, and T. W. Dike. 1,851,709; Mar. 29.
Gluing process. T. W. Dike. 1,851,951-2; Mar 29.
Gluing process. T. W. Dike. 1,851,954; Mar. 29.
Gluten. Treatment of corn. H. Berlin. 1,888,785; Nov. 22.
Glyceride resin and producing same. C. Ellis. 1,843,869; Feb. 9.
Glycerine. Distillation of fermentation. J. W. Lawrie. 1,881,718; Oct. 11.
Glycerine, Process of and apparatus for distilling. O. H. Wurster. 1,885,166; Nov. 1.
Glycols and ethylene hydrocarbons, Production of ethyl-ene. T. Maximoff. 1,870,858; Aug. 9.
Glycols, Preparing. M. A. Youtz. 1,875,310; Aug. 30.
Goblet. E. B. Bedford and M. G. Parker. Des. 87,703–6; Sept. 6.
Goblet. M. A. Smith. Des. 87,761; Sept. 13.
Goblet or similar article. R. C. Diebenkorn. Des. 87,908; Oct. 11.
Goblet or similar article. R. T. Kimble. Des. 86,239–41; Feb. 16.
Goblet or similar article. W. C. McCartney. Des. 87,932; Oct. 11.
Goblet or similar article. E. W. Newton. Des. 86,628; Mar. 29.
Goblet or similar article of glassware. T. C. Helsey. Des. 87,576; Aug. 16.
Goggles. C. Fischer. 1,839,386; Jan. 5.
Goggles. C. Fischer. 1,846,679; Feb. 23.
Goggles. R. Malcom. 1,886,410; Nov. 8.
Goggles. R. Malcom. 1,890,690; Dec. 13.
Goggles. E. B. Meyrowitz. 1,853,872–3; Apr. 12.
Goggles. L. E. Parsons. 1,843,833; Feb. 2.
Goggles. A. E. Sharf. 1,850,812; Mar. 22.
Goggles. W. C. Sutton. 1,843,847; Feb. 2.
Goggles, Adjustable. G. Rotolo. 1,859,532; May 24.
Goggles, Combination protective. B. W. Nutt. 1,851,443; Mar. 29.
Goggles, Eye. D. E. Kimball. 1,871,534; Aug. 16.
Goggles, Telescopic. C. L. Bausch. 1,892,441; Dec. 27.
Gold and mineral separator, Centrifugal. O. Germond. 1,854,253; Apr. 19.
Gold and silver, Treatment of. M. Schlötter. 1,857,664; May 10.
Gold complex compound and making same, Organic. O. Ripke. 1,879,505; Sept. 27.
Gold compound of cystine, Preparing. K. Yoshioka. 1,869,834; Aug. 2.
Gold dust, Method and apparatus for recovering. E. J. Fernelding. 1,846,547; Feb. 23.
Gold leaf laying device. W. S. Lutz. 1,858,371; May 17.
Golf accessory. P. A. Czichos. 1,852,956; Apr. 5.
Golf and like bag. E. A. Bellow. 1,890,362; Dec. 6.
Golf bag. E. C. Boyce. 1,849,610; Mar. 15.
Golf bag. H. C. Clawson. 1,876,134; Sept. 6.
Golf bag. M. D. Gallagher. 1,840,663; Jan. 12.
Golf bag. C. Hotze. 1,883,597; Oct. 18.
Golf bag. H. C. Hunerhoff. 1,845,088; Feb. 16.
Golf bag. F. E. Kip. 1,856,837; May 3.
Golf bag. F. A. Martin. 1,843,061; Feb. 9.
Golf bag construction. R. J. Bitch. 1,840,183; Jan. 5.
Golf bag supporting attachment. L. S. McDonald. 1,880,351; Oct. 4.
Golf bag supporting device. F. Zahorik. 1,890,964; Dec. 13.
Golf ball. R. H. Hazeltine. 1,855,448; Apr. 26.
Golf ball. A. G. McKinnin. 1,870,862; Aug. 9.
Golf ball. C. R. Sibley. 1,857,518; May 10.
Golf ball. F. A. Martin. 1,862,614; June 14.
Golf ball cleaning device. L. Signorini. 1,862,437; June 7.
Golf ball embosser. H. W. Moore. Des. 88,366; Nov. 22.
Golf ball marking machine. C. E. Bromin and W. H. Nowak. 1,863,828; June 21.
Golf ball marking machine or the like. J. D. Lyon. 1,862,858; June 14.
Golf ball, Practice. L. F. Rosenberg. 1,862,708; June 14.
Golf ball washer. E. M. Laing. 1,859,626; May 24.
Golf ball washer. O. H. Nielsen. 1,893,809; Dec. 6.
Golf ball washer. W. M. Sandy. 1,842,201; Jan. 19.
Golf ball washing machine. S. S. Wilcox, jr., and H. R. Greiner. 1,871,139; Aug. 9.
Golf ball winding machine. C. S. McChesney. 1,880,264; Oct. 4.
Golf balls, Apparatus for the manufacture of. O. J. Kuhlke. 1,855,717; Apr. 26.
Golf club. P. F. Aptel. 1,853,532; Apr. 12.
Golf club. W. L. Beckley. 1,866,615; July 12.
Golf club. A. E. Bubrke and A. F. Hester. 1,889,743; Dec. 6.
Golf club. R. J. Cash. 1,892,482; Dec. 27.
Golf club. T. Dobson and C. B. Johnson. Des. 86,598; Mar. 29.
Golf club. F. W. Grieve. 1,863,286; July 19.
Golf club. C. G. Jansky. 1,840,451; Jan. 12.
Golf club. H. C. Lagerblade. 1,850,843; Mar. 22.
Golf club. H. C. Lagerblade. 1,882,509; Oct. 11.
Golf club. W. L. McEvoy. 1,840,406; Jan. 12.
Golf club. S. T. Thomas. 1,844,312; Feb. 9.
Golf club. E. E. Tucker. 1,840,924; Jan. 12.
Golf club, Adjustable. E. J., Davidson. 1,879,117; Sept. 27.
Golf club grips, Making. G. L. Lawrence. 1,891,550; Dec. 20.
Golf club handle. S. Kramlik. 1,890,388; Dec. 6.
Golf club head. J. B. Hunt. 1,854,548; Apr. 19.
Golf club head and making same. F. H. Schavoir. 1,867,103; July 12.
Golf club head and making the same. F. H. Schavoir. 1,841,062; Jan. 12.
Golf club head, Fabricated. J. H. Balch. 1,864,513; June 28.
Golf club shaft. H. C. Lagerblade. 1,855,059; Apr. 19.
Golf club shaft. R. Morgan. 1,848,374; Mar. 8.
Golf club shaft. R. Morgan. Re18,666; Nov. 22.
Golf courses, Device for miniature. J. H. and D. E. Matheson. 1,857,059; May 17.
Golf cup for sand greens. L. E. Jones and W. K. Smith. 1,840,038; Jan. 5.
Golf drive registering device. C. Woolman. 1,869,642; Aug. 2.
Golf driving device. B. D. Smith. 1,889,813; Dec. 6.
Golf driving indicator. T. H. Decker. 1,882,783; Oct. 18.
Gold from solutions, Extracting. H. C. Parker. 1,889,489; Nov. 29.
Golf game. O. L. Ely. 1,851,423; Mar. 29.
Golf game board. F. I. Stiles. 1,892,593; Dec. 27.
Golf game. E. H. Murray. 1,862,093; June 7.
Golf game. A. G. Ranney. 1,858,750; May 17.
Golf game, Parlor. H. H. Hallatt. 1,882,589; Oct. 11.
Golf instruction course. L. R. Warren and H. C. Gill. 1,852,948; Apr. 5.

Golf playing device. S. T. Young. 1,844,735; Feb. 9.
Golf, Practice device for. C. W. Ross. 1,864,030; June 21.
Golf practice set. T. McLaughlin. 1,847,570; Mar. 1.
Golf practicing apparatus. W. C. Jones and J. C. Pimm. 1,839,332; Nov. 29.
Golf putting apparatus. J. P. Luddy. 1,856,816; May 3.
Golf putting device. T. H. Decker. 1,882,784; Oct. 18.
Golf score register. J. Freelander. 1,888,662; Nov. 22.
Golf service standard. C. W. Strong. Des. 86,490; Mar. 8.
Golf shaft, Making a. H. C. Lagerbiade. 1,882,151; Oct. 11.
Golf sphere, Practice. J. R. O'Brien. 1,842,944; Jan. 26.
Golf stroke counter. J. W. Carlson. Des. 85,978; Jan. 12.
Golf strokes, Device for practicing. L. A. Yaggi. 1,881,991; Oct. 11.
Golf tee. A. Boatman. 1,858,800; May 17.
Golf tee. H. O. Brinck. 1,860,307. May 24.
Golf tee. K. J. Lyons. 1,856,259; May 3.
Golf tee. K. H. Middecorf. 1,850,560; Mar. 22.
Golf tee. S. W. Nixon. Des. 86,262; Feb. 16.
Golf tee. G. W. Thompson. 1,846,407; Feb. 23.
Golf tee and making the same. A. L. Becket. 1,864,516; June 28.
Golf tee, Permanent. W. E. Willey. 1,866,143; July 5.
Golf teeing machine. L. J. Mulvaney. 1,863,140; June 14.
Goniometer, Calculating. P. Dalton. 1,879,116; Sept. 27.
Goods, Apparatus for packeting. J. Neff. 1,888,832; Nov. 22.
Goods from aqueous dispersions of or containing rubber and similar resins, Manufacture of. D. F. Twiss and E. A. Murphy. 1,857,190; Nov. 8.
Goods in bales, sacks, or the like, Apparatus for conveying. E. Muth. 1,879,944; Sept. 27.
Goods, Knit. R. Grabner. 1,877,850; Sept. 20.
Goods made from rayon or artificial silk to entering machines, Apparatus for feeding knitted. F. Tandel. 1,846,682; June 28.
Goods, Magnetic separation and discharge of bulk. G. Ullrich. 1,842,851; Jan. 26.
Goods, Manufacture of knit. O. Nuber. 1,887,166; Nov. 8.
Goods of different kinds, Automatic weighing of. V. D. Poore. 1,856,884; May 3.
Goods of rubber or similar material, Manufacture of. C. Hayes, E. W. Madge, and F. H. Lane. 1,887,201; Nov. 8.
Goods of rubber or similar material, Manufacture of. C. Hayes, E. W. Madge, and F. C. Jennings. 1,890,578; Dec. 13.
Goodyear welting. W. F. Heft. 1,871,612; Aug. 16.
Governing mechanism. O. N. Bryant. 1,845,905; Feb. 16.
Governing mechanism. W. B. Flanders. 1,864,127; June 21.
Governing mechanism. H. F. Schmidt. 1,841,424; Jan. 19.
Governing mechanism for marine power plants. W. B. Flanders. 1,859,437; May 24.
Governor. J. M. Miller. 1,868,910; July 26.
Governor. A. Singer. 1,878,721; Sept. 20.
Governor. F. O. Singer. 1,889,706; Nov. 29.
Governor and apparatus to relieve fuel oil pressure accumulation, Diesel engine speed. J. W. Lorimer. 1,890,225; Dec. 6.
Governor, Auto-stop. A. E. L. Chorlton. 1,841,087; Jan. 12.
Governor, Brake cylinder pressure. U. A. Whitaker. 1,842,488; Jan. 26.
Governor, Centrifugal. J. H. Offen. 1,864,853; June 28.
Governor, Centrifugal. A. Rehm, T. Wolff, and W. Walther. 1,884,233; Oct. 25.
Governor, Centrifugal variable resistance. A. K. Hinchman. 1,892,054; Dec. 27.
Governor coupling device. G. L. Miller. 1,842,835; Jan. 26.
Governor device. A. C. Mathieson. 1,854,709; Apr. 19.
Governor, Electric. R. T. Cloud. 1,855,703; Apr. 26.
Governor, Engine. B. V. E. Nordberg. 1,864,850; June 28.
Governor, Flow. R. Welcker. 1,883,190; Oct. 18.
Governor for fluid motors. J. R. Hoffman. 1,886,546; Nov. 8.
Governor for gramophones, Speed. O. Kurz. 1,866,045; July 5.
Governor for spring motors, Speed. G. De Blase. 1,856,090; May 3.
Governor for threshing machines. S. Heler. 1,855,169; Apr. 19.
Governor for variable speed generators. J. Borovec and R. H. Juehmstedt. 1,855,333; Apr. 26.
Governor, Hydraulic turbine. C. A. Jackson. 1,885,265; Nov. 1.
Governor, Ignition. J. F. Martin. 1,889,755; Dec. 6.
Governor, Power. A. W. Young. 1,842,057; Jan. 19.
Governor, Pressure actuated. J. F. Hoffman. 1,840,953; Jan. 12.
Governor provided with an auxiliary force. C. A. Hartung and E. Walter. 1,845,815; Feb. 2.
Governor, Pump. V. V. Veeuschoten. 1,884,929; Oct. 25.
Governor, Ship. W. C. Dennis. 1,851,897; Mar. 29.
Governor, Speed. A. N. Merle. 1,851,718; Mar. 29.
Governor, Speed. R. D. Salmon. 1,868,616; July 26.
Governor, Steam pressure. F. L. Badgett. 1,878,660; Sept. 20.
Governor, Temporary. L. M. Mondray. 1,854,662; Apr. 19.
Governors, Lubricating engine. H. D. Church. 1,871,496; Aug. 16.
Grab. D. J. Barnard. 1,853,250; Apr. 12.
Grab. W. Voorwinde. 1,856,232; May 3.
Grab, Automatic. H. Reichmann. 1,886,426; Nov. 8.
Grab device. H. M. Lundy. 1,857,110; May 3.
Grab hook. A. Johnson. 1,860,462; May 31.
Grade clamp. E. St. John. 1,873,357; Aug. 23.
Grade crossing construction, Railway. J. J. Wojciechowski. 1,845,693; Feb. 16.
Grader and bulldozer, Combined. C. E. Ball. 1,856,148; May 3.
Grader and cleaning machine, Grain. J. Spenst. 1,868,121; July 19.
Grader and cutter, Asparagus. S. H. Champlin, P. A. Cutter, F. Kasten, P. C. Butte. 1,872,889; Aug. 23.
Grader and the like, Road. H. W. Deisler. 1,862,924; June 14.
Grader and the like, Road. G. D. Shaeffer. 1,874,210; Aug. 30.
Grader attachment, Road. C. B. Scheffold. 1,877,365; Sept. 13.
Grader, Bank. W. Lehman. 1,882,079; Oct. 11.
Grader, Bean. W. E. Urschel. 1,853,475; Apr. 12.
Grader, Fruit. N. Bower. 1,867,054; July 12.
Grader, Pea. C. E. Hall. 1,841,299; Jan. 12.
Grader, Potato and onion. M. A. Paulson. 1,881,239; Oct. 4.
Grader, Quality. O. H. Hansen. 1,887,239; Nov. 8.
Grader, Road. G. E. Dean. 1,841,403; Jan. 19.
Grader, Road. E. C. Iverson. 1,877,879; Sept. 20.
Grader, Road. C. J. Moritz. 1,884,113; Oct. 25.
Grader, Road. A. W. Prengowske. 1,856,968; May 3.
Grader, Road. T. P. Wright. 1,889,722; Nov. 29.
Graders, Attachment for road. L. G. Arnold and V. Isaacson. 1,843,260; Feb. 2.
Graders, Subgrading attachment for power. Z. T. Darrow. 1,849,754; Mar. 15.
Grading attachment for steam shovels. A. Farnstrom. 1,844,465; Feb. 9.
Grading device. L. De Moss. 1,855,011; Apr. 19.
Grading device, Self. for. Pregowske. 1,842,470; Jan. 26.
Grading machine. C. E. Bre Miller. 1,840,560; Jan. 12.
Grading machine. F. W. Cutler. 1,860,732; May 31.
Grading machine. H. Flynn. 1,841,799; Jan. 19.
Grading machine. B. H. Flynn. 1,883,667; Oct. 18.
Grading machine. J. W. Johnston. 1,852,720; Apr. 5.
Grading machine. W. Jones. 1,851,447; Mar. 29.
Grading machine. W. C. Stewart. 1,874,715; Aug. 30.
Grading machine. W. E. Urschel. 1,874,391; Aug. 30.
Grading machine or other vehicle, Road. W. M. Taylor. 1,875,778; Sept. 6.
Grading machine, Shoulder. C. G. Schmid. 1,869,916; Aug. 2.
Grading machine, Vegetable. H. D. Clute. 1,875,562; Sept. 6.
Grading machinery. C. H. Brown. 1,848,933; Mar. 8.
Grain and roughage mill, Combined. J. E. Rosenfeld 1,889,183; Nov. 29.
Grain, Apparatus for cleaning and loading. R. V. Judson. 1,849,237; July 19.
Grain blower unit. E. J. and G. E. Schlechter. 1,844,797; Feb. 9.
Grain bin. C. J. Carter. 1,891,275; Dec. 20.
Grain cleaner. J. F. Naftziger. 1,852,361; Apr. 5.
Grain cleaner and loader. O. N. Gredell. 1,881,507; Oct. 11.
Grain cleaner and loader. S. E. Rasmussen. 1,843,404; Feb. 2.
Grain cleaning and separating machine. C. C. Ingraham. 1,870,629; Aug. 9.
Grain cleaning machine. C. C. Gray. 1,840,505; Jan. 12.
Grain control, Automatic. P. J. Simmen. 1,849,156; Mar. 15.
Grain deflector. E. H. Kidder. 1,855,633; July 5.
Grain divider extension. T. N. Pierson. 1,882,875; Oct. 18.
Grain growth in aluminum-manganese alloys, Controlling. T. W. Bossert. 1,845,751; Feb. 16.
Grain growth in aluminum manganese alloys, Controlling. T. W. Bossert. 1,869,996; Aug. 2.
Grain handling machine. O. E. Miller. 1,862,092; June 7.
Grain harvesting machine. L. F. Moroney. 1,884,114; Oct. 25.
Grain lifting device. L. E. Eakin. 1,847,072; Mar. 1.
Grain measuring device. A. W. Wessman. 1,878,922; Sept. 20.
Grain, ore, and the like, Apparatus for trimming and spreading. J. W. Kroef. 1,856,343; May 3.
Grain sampler. H. H. Hunter. 1,856,766; May 3.
Grain saver. G. Innes. 1,889,443; Nov. 29.
Grain saver for bagging platforms. E. Peacock. 1,846,451; Feb. 23.
Grain saving attachment for binders and harvesters. J. Oster. 1,868,428; July 19.
Grain separator for threshing machines or combines. F. N. Sprague. 1,864,772; June 28.
Grain tank. S. C. Nelson. 1,861,283; May 31.
Grain washing and drying machine. D. Geddes. 1,839,214; Jan. 5.

Graining mechanism. G. von Webern and E. W. Hamant. 1,870,700; Aug. 9.
Graining process. L. V. Casto. 1,849,278; Mar. 15.
Graining process. L. V. Casto. 1,884,565–6; Oct. 25.
Gramophone. G. B. King. 1,843,030; Jan. 26.
Gramophone. W. Otten. 1,862,800; June 14.
Gramophone. A. C. Williams. 1,833,841; Oct. 18.
Granite or analogous stone, apparatus for rifling. W. S. Martin. 1,890,187; Dec. 6.
Granular masses, Conservation of unstable, hygroscopic or volatile. F. Bartling. 1,869,235; July 26.
Granular material, Device for feeding. F. Czapar, jr. 1,859,655; May 24.
Granular material, Preparing colored. J. V. Freeman. 1,867,661; July 19.
Grape. H. J. B. Wiederkehr. Pl. Pt. 42; Nov. 8.
Grapefruit juice extractor. A. S. Knapp. 1,887,764; Nov. 15.
Grape juice composition and preparing the same. L. Alexandroux. 1,881,158; Oct. 4.
Grape press. H. E. Peterson. 1,843,298; Feb. 2.
Grapevines, Training. J. Cirrito. 1,875,561; Sept. 6.
Graphic device. K. C. Haight. 1,852,282; Oct. 11.
Graphic meter. D. J. Angus. 1,880,008; Sept. 27.
Graphite refractory compositions, Molding. A. M. Hanauer. 1,861,979; Dec. 27.
Graphitic compositions, Manufacture of. R. M. Doidge. 1,868,631; July 26.
Graphiting machine. O. J. Heath. 1,876,226; Sept. 6.
Grapnel. J. P. Salmon. 1,858,941; May 17.
Grapple. N. P. E. Andersen and M. B. Bradley. 1,882,704; Oct. 18.
Grapple. H. C. Barbour and R. H. Zellman. 1,854,325; Apr. 19.
Grapple. T. Birkenmaier. 1,853,598–9; Apr. 12.
Grapple. C. W. Madison. 1,878,951; Sept. 20.
Grapple. J. A. McKay. 1,843,618; Feb. 2.
Grapple, Fence wire. C. P. Littlepage. 1,881,746; Oct. 11.
Grapple for air plane package transfer apparatus. L. S. Adams. 1,858,127; May 10.
Grapple hook. E. L. Ferris. 1,890,979; Dec. 13.
Grapple, Lifting. C. E. Moore. 1,865,380; June 28.
Grass and similar fires, Extinguishing. A. J. and J. J. Silfies. 1,849,411; Mar. 8.
Grass and weed cutter. D. M. Silfies. 1,859,183; May 17.
Grass cutter, Electric. C. Phalen. 1,849,953; Mar. 15.
Grass cutting device. F. Broemme. 1,883,073; Oct. 25.
Grass drying. Quade, E. H. Colon. 1,880,611; Oct. 4.
Grass digger. F. Kinch. 1,853,982; Apr. 12.
Grass digger, Quack. T. J. Irwin. 1,864,261; Apr. 19.
Grass digger, Weed. T. J. Irwin. 1,856,457; Mar. 22.
Grass shears. O. W. Atterbury. 1,869,295; July 26.
Grass shears. A. Hidde. 1,841,121; Jan. 12.
Grass shears. J. Smith. 1,879,488; Sept. 27.
Grass shears. S. R. Svendsgaard. 1,891,694; Dec. 20.
Grass trimmer. R. J. Burkard. 1,850,992; Mar. 29.
Grate. B. F. Andre. 1,839,724; Jan. 5.
Grate. C. K. Frost. 1,852,376; Apr. 5.
Grate. J. V. Guay. 1,889,548; Nov. 29.
Grate. J. W. Hegeler and H. E. Ercanbrack. 1,888,348; Nov. 22.
Grate. F. A. Lorenz, jr. 1,841,374; Jan. 19.
Grate. F. A. Lorenz, jr. 1,872,773; Aug. 23.
Grate. C. F. Street. 1,872,844; Aug. 23.
Grate. J. S. Thompson. 1,884,918; Oct. 25.
Grate, Air cooled. A. Gaul, jr. 1,851,425; Mar. 29.
Grate and operating mechanism therefor, Furnace. C. Losch. 1,840,117; Jan. 5.
Grate bar. R. C. Morton. 1,874,579; Aug. 30.
Grate bar. J. T. Tawiks. 1,852,492; Apr. 5.
Grate bar. H. Wachter, jr. 1,841,897; Jan. 12.
Grate bar. J. S. Thompson. 1,884,917; Oct. 25.
Grate bar structure for sintering machines. T. H. Bennett. 1,841,081; Jan. 12.
Grate, Barbecue. C. B. Polhemus. 1,853,319; Apr. 12.
Grate, Chain. H. B. Holt. 1,877,320; Sept. 13.
Grate construction. J. A. Filbert. 1,868,671; July 26.
Grate, Dumping. G. W. Hartland. 1,844,281; Feb. 9.
Grate, Five cornered buckwheat coal. A. Pisciotta. 1,853,574; Apr. 12.
Grate for furnaces, Shaking. A. J. Koepsell. 1,861,015; May 31.
Grate for gas producers. P. A. J. Cousin. 1,849,975; Mar. 15.
Grate, Fuel. J. J. Buckley. 1,884,557; Oct. 25.
Grate, Furnace. A. W. Bennis. 1,875,213; Aug. 30.
Grate, Furnace. A. W. Bennis. 1,888,110; Nov. 15.
Grate, Furnace. A. W. Bennis. 1,890,210–11; Dec. 6.
Grate, Furnace. J. J. Fleming. 1,888,661; Nov. 22.
Grate, Self-clearing. A. L. Galusha. 1,891,809; Dec. 20.
Grate structure for retorts and the like. R. R. Parker. 1,852,433; Apr. 5.
Grater. V. I. Morante. 1,875,481; Sept. 6.
Grater, Vegetable. J. C. Hemp. 1,887,714; Nov. 15.
Grates, Automatic feeding device for. J. J. Rathgeb. 1,888,697; Nov. 22.
Grating. H. J. Axleson. 1,868,654; July 26.
Grating. J. M. Keown. 1,867,702; July 19.
Grating. M. Lachman and J. R. Tench. 1,868,107; July 19.
Grating. Curved. E. F. J. Tippel. 1,874,385; Aug. 30.
Grating, Making. J. M. Keown. 1,867,701; July 19.
Grating turning machine. W. A. Bates. 1,860,980; May 31.
Grave border and liner, Adjustable. C. M. Wickstrum. 1,861,500; June 7.
Grave concealing device. W. C. Evans. 1,854,124; Apr. 12.
Grave concealing device. W. C. Evans. 1,858,439; May 17.
Grave digging machine. C. E. Heim and H. L. Handy. 1,866,037; July 5.
Grave marker. J. J. Reinhold. Des. 86,806; Apr. 19.
Gravel cleaner. J. C. Barr. 1,841,079; Jan. 12.
Gravel deposits a gravel aggregate for use in concrete, Producing from natural. S. A. Moss and J. Geddes. 1,864,926; June 28.
Gravel spreader. G. G. Brackett. 1,848,308; Mar. 8.
Gravel spreader. C. W. Deaning. 1,863,963; June 21.
Gravel tester. V. M. Haddon. 1,845,709; Feb. 16.
Gravel washer. A. L. Munro. 1,861,578; June 7.
Gravel washing machine. E. T. Burnside. 1,871,583; Aug. 16.
Gravitometer, Indicating liquid. A. W. Hubbell. 1,859,402; June 7.
Gravity, Apparatus for measuring relative values of. L. W. Blau. 1,888,976; Nov. 29.
Gravity controller. W. J. Mason. 1,852,888; Apr. 5.
Gravity indicating means, Specific. G. M. Haungs. 1,865,250; June 28.
Gravity lock. P. Swanson. Re18,442; Apr. 26.
Gravity switch. S. Freedman and J. Gilbert. 1,863,242; June 14.
Gravity system for measuring the contents of tanks. F. T. Davis. 1,863,435; June 14.
Grease cellar end gate. E. A. Hildebrandt and C. A. Martin. 1,852,304; Apr. 5.
Grease cup. D. D. Thomas. 1,888,481; Nov. 22.
Grease fitting. J. J. Smith. 1,879,564; Sept. 27.
Grease gun. R. L. Bacher. 1,851,342; Mar. 29.
Grease gun. C. R. Buchet. 1,856,372; May 3.
Grease gun. H. Kreidel. 1,840,111; Jan. 5.
Grease gun. D. J. Lockwood. 1,860,716; May 31.
Grease gun. R. E. Meikel. 1,870,524; Aug. 9.
Grease gun. L. A. Paradise. 1,858,025; May 10.
Grease gun. N. A. Wallen. 1,846,167; Feb. 23.
Grease gun apparatus. E. E. Olson. 1,858,717; May 17.
Grease gun filler. W. J. Penka. 1,867,468; July 12.
Grease gun handle. J. F. Pelouch and P. I. Schultz. Des. 86,179; Feb. 9.
Grease gun, Portable. H. Albertine. 1,871,400; Aug. 9.
Grease gun, Pressure. E. A. Dunlap. 1,870,497; Aug. 9.
Grease interceptor. J. Hoekel. 1,889,001; Nov. 29.
Grease, Lubricating. F. W. Sullivan, jr., and M. H. Arveson. 1,871,864; Aug. 16.
Grease, Means to prevent the passage of. P. F. Buckley. 1,874,885; Aug. 30.
Grease, Measuring. J. F. Malm. 1,881,786; Oct. 11.
Grease metering device. W. D. Burger. 1,859,071; May 17.
Grease, Mill. M. H. Arveson. 1,882,721; Oct. 18.
Grease trap. A. Gordon. 1,851,172; Mar. 29.
Greaser, Hog. M. K. Rose. 1,886,625; Nov. 8.
Greasing apparatus. C. R. Buchet. 1,852,001; Apr. 5.
Greasing apparatus. C. Harris. 1,858,155; May 10.
Greenhouse operation system. O. K. Owen. 1,875,126; Aug. 30.
Grenade and lance-grenade. C. Foulon. 1,874,951; Aug. 30.
Grenade, etc., Hand. A. F. Spring. 1,878,487; Sept. 20.
Grid biasing unit fed by alternating current, E. Oosterhuis and J. M. Link. 1,877,123; Aug. 20.
Grenade, Hand. J. Weszycki. 1,890,274; Dec. 6.
Grid casting machine. A. D. Lund. 1,843,774; Feb. 2.
Grid casting machines, Conveyer system for. A. D. Lund. 1,843,777; Feb. 2.
Grid casting machines, Metal feeding mechanism for. A. D. Lund. 1,843,778; Feb. 2.
Grid casting machines, Mold treating mechanism for. A. D. Lund. 1,843,775; Feb. 2.
Grid connection for electric discharge devices. P. C. Gardiner. 1,871,409; Aug. 9.
Grid forming apparatus. H. A. Snow. 1,875,170; Aug. 30.
Grid glow tube regulator. F. H. Gulliksen. 1,873,761; Aug. 23.
Grid modulated tube. W. Kummerer. 1,875,025; Aug. 30.
Grid modulation. W. Buschbeck. 1,850,024; May 17.
Grid pasting machine. L. G. Stecker. 1,875,275; Aug. 30.
Grid pasting machine. R. O. Watkins. 1,863,175; June 14.
Grid resistance. H. E. Campbell. 1,860,493; May 31.
Grid, Resistor. F. T. Cope and A. H. Vaughan. 1,851,160–1; Mar. 29.
Grid suppressor for stabilizing radio frequency amplifiers. W. Ault, jr. 1,851,078; Mar. 29.
Grid winding machine. J. A. Morick and K. P. Swanson. 1,874,575; Aug. 30.
Grids, Making. H. L. Beyer. 1,884,535; Oct. 25.
Grief stem. B. E. Parrish and W. N. Black. 1,879,455; Sept. 27.
Grille. F. O'Brien. 1,855,256; Apr. 26.
Grille for automobile radiators, Ornamental. O. J. Groehn. 1,889,440; Nov. 29.

Grille, Metal. C. Field. 1,878,688; Sept. 20.
Grille panel. R. A. Dean. Des. 88,503; Dec. 6.
Grille panel. A. V. Lapteff. Des. 87,472; Aug. 2.
Grille panel. L. Pirolai. Des. 87,542; Aug. 9.
Grille panel unit. F. D. Chapman. Des. 87,905; Oct. 11.
Grille, Portable electric. J. H. Reichert. 1,882,901; Oct. 18.
Grille, Register. J. L. Waterbury. 1,875,684; Sept. 6.
Grilles or the like to automobile radiator cores, Attaching. L. B. Green. 1,841,888; Jan. 19.
Grindstones, Dressing. W. N. Baker and R. A. Masten. 1,888,614; Nov. 22.
Grinder. F. Calhoun. 1,839,532; Jan. 5.
Grinder. F. Lang. 1,872,469; Aug. 16.
Grinder and polisher, Disk. R. Russell. 1,864,376; June 21.
Grinder, Angular blade. P. T. Lennon. 1,877,913; Sept. 20.
Grinder, Axle. H. H. Yerk and W. J. Baumberger. 1,860,794; May 31.
Grinder, Bearing. E. Hilwig. 1,839,557; Jan. 5.
Grinder, Centerless. W. H. Chapman. 1,863,832; June 21.
Grinder, Centerless. H. J. Hoeg. 1,859,443; May 24.
Grinder, Centerless. S. A. Strickland and T. Zimmerman. 1,850,054; Mar. 15.
Grinder, Coffee. C. T. Howson. 1,864,595; June 28.
Grinder control, Internal. C. T. Raule. 1,871,468; Aug. 16.
Grinder, Cutter. W. Scharff. 1,875,163; Aug. 30.
Grinder, Electric. C. H. Beach. 1,859,068; May 17.
Grinder, External. E. Hervig. 1,850,349; Mar. 22.
Grinder, External. C. T. Raule. 1,892,364; Dec. 27.
Grinder for hamburger knives and the like, Hollow. E. C. Schaefer. 1,868,240; July 26.
Grinder for web slitting apparatus. C. and F. W. Koegel. 1,852,313; Apr. 5.
Grinder, Gaming attachment for roll. A. G. Belden and J. R. Whittles. 1,847,167; Mar. 1.
Grinder, Helical gear. A. Aeppli. 1,870,764; Aug. 9.
Grinder, Hydraulic. S. Einstein and H. R. Isler. 1,877,500; Sept. 13.
Grinder, Ledger blade. C. Wicke. 1,863,036; June 14.
Grinder machine. E. Hervig. 1,850,349; Mar. 22.
Grinder, Meat. W. W. Dryden. 1,864,343; June 21.
Grinder, Meat and food. T. F. Ball. 1,864,575; June 28.
Grinder, Planing machine blade. N. H. Henderson. 1,868,603; July 26.
Grinder, Multiple. C. T. Raule. 1,881,244; Oct. 4.
Grinder, Multiple. C. T. Raule. 1,871,447; Oct. 11.
Grinder, Multiple external. C. T. Raule. 1,892,363; Dec. 27.
Grinder, Multiple groove. C. T. Raule. 1,865,642; July 5.
Grinder of the chain type, Continuous wood. R. T. Lang. 1,843,605; Feb. 2.
Grinder, polisher, or buffer, Universal automatic. C. B. Larson. 1,886,699; Nov. 8.
Grinder, Precision. F. H. Whitman. 1,839,627; Jan. 5.
Grinder, Railway track. H. Perazzoli. 1,891,173-4; Dec. 13.
Grinder regulating device, Wood. V. Rusterholz. 1,873,982; Aug. 30.
Grinder, Roll. R. C. Lewis and C. F. Schnuck. 1,871,002; Aug. 9.
Grinder, Roller bearing. C. E. Rife. 1,841,631; Jan. 19.
Grinder stand, Portable. J. Sunnen. 1,873,507; Aug. 23.
Grinder, Tool. W. F. Stimpson. 1,860,211; May 24.
Grinder, Valve. C. Bawman. 1,866,447; July 5.
Grinder, Valve. F. C. Brownie. 1,850,914; Mar. 22.
Grinder, Valve. N. F. McNaugh and E. H. Peterson. 1,877,348; Sept. 13.
Grinder, Valve seat. H. M. Albee. 1,877,782; Sept. 20.
Grinders, Dressing. A. L. De Leeuw. 1,857,142; May 10.
Grinders, Dressing attachment for screw thread. A. M. Drake and N. J. Crowey. 1,886,796; Nov. 8.
Grinders, Feeding mechanism for. S. A. Strickland and T. Zimmerman. 1,851,265; Mar. 29.
Grinders, Mechanism for truing and dressing grinding wheels of centerless. F. J. Holinbroet and F. J. Kroeger. 1,860,614; May 31.
Grinders, Undercutter attachment for flexible shaft bench. W. Seidel. 1,861,284; June 7.
Grinding. G. W. Binns. 1,891,661; Dec. 20.
Grinding. R. H. Cramer. 1,879,110; Sept. 27.
Grinding. S. Einstein. 1,864,486; June 21.
Grinding. J. H. McCartney. 1,877,517; Sept. 13.
Grinding and mixing apparatus. J. E. Gernelle-Danloy. 1,879,397; Sept. 27.
Grinding and polishing machine. G. A. Carlson. 1,871,494; Aug. 16.
Grinding apparatus. F. Kylberg. 1,886,274; Nov. 1.
Grinding apparatus. A. W. Phelps. 1,881,966; Oct. 11.
Grinding apparatus. C. H. Schurr. 1,884,293; Oct. 25.
Grinding apparatus. L. C. Shippy and L. C. Goad. 1,883,016; Oct. 18.
Grinding, Apparatus for. C. I. Lott. 1,843,614; Feb. 2.
Grinding attachment, Cylindrical. W. Dolph and N. H. Lewis. 1,879,154; Sept. 27.
Grinding attachment for lawn mowers. L. G. Haines, sr. 1,850,624; Mar. 22.
Grinding body. K. H. E. Holzapfel. 1,864,542; June 28.
Grinding, crushing, and mixing mill. J. Wass. 1,864,385; June 21.
Grinding device. C. W. Floss. 1,863,042; June 14.
Grinding device. A. H. Jones. 1,874,301; Aug. 30.
Grinding device. A. A. Martell. 1,873,612; Aug. 23.
Grinding fixture. E. A. Sprung. 1,839,810; Jan. 5.
Grinding, Form. W. L. Hutchinson and K. F. Runge. 1,865,892; June 28.
Grinding gauge. F. J. Pratt. 1,890,827; Dec. 13.
Grinding head for lens surfacing machines. H. C. St. Dennis. 1,891,320; Dec. 20.
Grinding machine. H. M. Albee. 1,877,546; Sept. 13.
Grinding machine. C. J. Anderson. 1,875,547; Sept. 6.
Grinding machine. W. N. Appleton. 1,849,343; Mar. 15.
Grinding machine. W. Arter and W. F. Fraser. 1,888,710; Nov. 22.
Grinding machine. S. W. Bath and H. M. Allison. 1,842,651; Jan. 26.
Grinding machine. G. W. Binns. 1,850,372; Mar. 22.
Grinding machine. G. W. Binns. 1,864,578; June 28.
Grinding machine. C. Booth. 1,847,588; Mar. 1.
Grinding machine. C. Booth. 1,850,377; Mar. 22.
Grinding machine. C. Booth and F. S. Haas. 1,880,736; Oct. 4.
Grinding machine. H. F. Busch. 1,843,414; Feb. 2.
Grinding machine. H. L. Crowley. 1,851,566; Mar. 29.
Grinding machine. L. L. De Snet. 1,865,538; June 14.
Grinding machine. A. L. De Vlieg. 1,883,612; Oct. 18.
Grinding machine. J. Dronfield. 1,886,089; Nov. 1.
Grinding machine. G. Enochson. 1,857,047; May 3.
Grinding machine. W. F. Fraser. 1,840,088; Jan. 5.
Grinding machine. W. F. Fraser. 1,850,094; Mar. 1.
Grinding machine. W. F. Fraser. 1,873,751; Aug. 23.
Grinding machine. W. F. Fraser. 1,873,752; Aug. 23.
Grinding machine. H. Fritschi. 1,874,494; Aug. 30.
Grinding machine. K. F. Gallimore. 1,862,215; June 7.
Grinding machine. C. C. Gibson. 1,856,808; May 3.
Grinding machine. D. G. Gilmartin. 1,842,879; Jan. 26.
Grinding machine. W. J. Guild. 1,856,185; May 3.
Grinding machine. W. J. Guild. 1,859,737; May 24.
Grinding machine. W. J. Guild and A. F. Burns. 1,887,154; Nov. 8.
Grinding machine. F. S. Haas. 1,882,814; Oct. 18.
Grinding machine. F. S. Haas and B. A. Kearns. 1,877,505; Sept. 13.
Grinding machine. R. E. W. Harrison and F. S. Haas. 1,849,231; Jan. 5.
Grinding machine. R. N. Heald, E. M. Taylor, R. A. Quimby, and C. J. Highberg. 1,841,809; Jan. 19.
Grinding machine. E. Hervig. 1,850,349; Mar. 22.
Grinding machine. E. Hervig. 1,865,251; June 28.
Grinding machine. F. L. Hutchison. 1,890,854; Dec. 13.
Grinding machine. G. T. Huxford and F. E. Stratton. 1,886,212; July 5.
Grinding machine. V. Jereczek. 1,857,549; May 10.
Grinding machine. W. J. Kent. 1,864,071; June 21.
Grinding machine. F. M. Kern. 1,873,423; Aug. 23.
Grinding machine. L. F. Kinnaird. 1,862,679; June 7.
Grinding machine. G. F. Kriesel. 1,853,907; Apr. 12.
Grinding machine. C. G. Liljeberg. 1,877,515; Sept. 13.
Grinding machine. M. Maag and R. Salomon. 1,870,818; Aug. 9.
Grinding machine. M. I. Mathewson. 1,846,132; Feb. 23.
Grinding machine. M. I. Mathewson. 1,861,279; May 31.
Grinding machine. M. I. Mathewson. 1,876,857; Aug. 9.
Grinding machine. L. F. Nenninger. 1,881,870; Oct. 11.
Grinding machine. A. A. and W. H. Nichols. 1,872,041; Aug. 16.
Grinding machine. T. C. Pew. 1,886,579; Nov. 8.
Grinding machine. A. G. Plimmer. 1,891,777; Dec. 20.
Grinding machine. L. Roberts. 1,879,506; Sept. 27.
Grinding machine. J. D. Scaife. 1,856,227; May 3.
Grinding machine. H. A. Silven. 1,858,222; May 10.
Grinding machine. J. Strong. 1,863,655; June 14.
Grinding machine. F. J. Theler. 1,851,657; Dec. 20.
Grinding machine. M. O. Trudeau. 1,862,834; June 14.
Grinding machine. C. V. Waller. 1,886,894; Nov. 8.
Grinding machine. F. Weisbrod. 1,865,067; June 28.
Grinding machine. H. H. Yerk and W. J. Baumberger. 1,860,795; May 31.
Grinding machine. H. H. Yerk and A. A. Kottman. 1,860,796; May 31.
Grinding machine, Centerless. J. F. Williams. 1,882,465; Oct. 11.
Grinding machine construction. J. De Koning. 1,886,632; Nov. 8.
Grinding machine, Food. W. F. Stimpson and W. W. Dryden. 1,851,653; Mar. 29.
Grinding machine, Gin rib. J. Behle. 1,845,118; Feb. 16.
Grinding machine or the like. M. H. Arms. 1,872,552; Aug. 16.
Grinding machine, particularly for spline-shafts. C. Junge. 1,850,709; Mar. 22.
Grinding machine, Relieved screw thread. A. M. Drake. 1,870,718; Aug. 9.
Grinding machine, Roller. H. J. Swanson 1,848,676; Mar. 8.
Grinding machine, Surface. K. Jung. 1,846,341; Feb. 23.
Grinding machinery. G. W. Binns. 1,847,466; Mar. 1.
Grinding machinery. C. Booth. 1,843,079; Jan. 26.
Grinding machinery. C. Booth. 1,891,663; Dec. 20.
Grinding machinery. J. E. Caster. 1,862,882; June 14.
Grinding machinery. J. E. Caster. 1,872,405; Aug. 16.
Grinding machinery. S. Einstein. 1,842,375; Jan. 26.
Grinding machinery. S. Einstein, L. F. Nenninger, and F. Haas. 1,846,956; Feb. 23.

Grinding machinery. H. Ernst, 1,864,589; June 28.
Grinding machinery. H. Fritschi, 1,862,850; June 14.
Grinding machinery. F. S. Haas, 1,862,851; June 14.
Grinding machinery. R. E. W. Harrison, F. S. Haas, and G. W. Binns, 1,877,577; Sept. 13.
Grinding machinery. L. F. Nenninger, 1,874,583; Aug. 30.
Grinding machinery. G. A. Volz, 1,871,866; Aug. 16.
Grinding machines and the like. Work handling mechanism for. C. J. Higberg, 1,840,841; Jan. 12.
Grinding machines, Feeding mechanism for. G. H. Smith, 1,874,191; Aug. 16.
Grinding machines. Sag eliminating attachment for crank. H. St. Sims, 1,844,803; Feb. 9.
Grinding machines, Truing mechanism for. H. M. Allison, 1,856,180; May 3.
Grinding machines, Work head for. G. H. P. Gannon, 1,839,949; Jan. 5.
Grinding mechanism. F. J. Jeschke, 1,877,328; Sept. 13.
Grinding mechanism. F. J. Jeschke, 1,880,461; Nov. 29.
Grinding mechanism. C. J. Olofson, 1,839,253; Jan. 5.
Grinding mill. H. Hardinge, 1,872,036; Aug. 16.
Grinding mill. H. Hardinge, 1,874,985; Aug. 30.
Grinding mill. M. Hill, 1,870,416; Sept. 6.
Grinding mill. W. H. Letz, 1,875,743; Sept. 6.
Grinding muller roller. R. E. Ritchie, 1,852,435; Apr. 5.
Grinding or cutting machine. P. J. Fobert and A. J. Dechamne, 1,876,899; Sept. 13.
Grinding or polishing, Apparatus for centerless. R. W. Fuller, 1,892,453; Dec. 27.
Grinding or polishing machine. S. B. Field, 1,862,671; June 14.
Grinding pan. G. E. Krider, 1,867,081; July 12.
Grinding runner. J. L. Drake, 1,854,508; Apr. 19.
Grinding, smoothing, and polishing apparatus. P. Dryon, 1,864,894; June 28.
Grinding, smoothing and polishing apparatus. C. Heuze, 1,864,822–3; June 28.
Grinding, smoothing and polishing apparatus. C. Heuze, 1,871,992; Aug. 16.
Grinding wheel. P. Bucheister, 1,868,492; July 26.
Grinding wheel, Segmental. W. W. Greenwood, 1,870,449; Aug. 9.
Grinding wheel, Segmental. T. Larsson, 1,843,287; Feb. 2.
Grinding wheel, Segmental. T. Larsson, 1,892,434; Dec. 27.
Grinding wheels, Mechanism for truing and dressing. F. J. Honnhorst and F. J. Kroeger, 1,840,274; Jan. 12.
Grip. M. Birkenmaier, 1,891,497; Dec. 20.
Grip. C. T. Spicklemire and I. Taylor, 1,858,529; May 17.
Grip for eyeglasses, Nose. C. F. Wall, 1,868,450; July 19.
Grip for golf clubs and the like. G. A. Deering, 1,849,480; Mar. 15.
Grip for tool holders, Removable. A. W. Gelpcke, 1,855,296; Apr. 19.
Grip for tractor wheels. A. M. McGregor, 1,841,833; Jan. 19.
Grip guide for golf clubs. W. H. Mohr, 1,843,039; Jan. 26.
Grip, Hand. E. R. Warner, 1,860,561; May 31.
Grip strap. H. H. Rubin, 1,889,703; Dec. 6.
Grip wheel. M. Robina, 1,847,982; Mar. 1.
Gripper, Automatic. W. Voorwinde, 1,870,538; Aug. 9.
Gripper mechanism. A. J. Horton, 1,869,668; July 12.
Gripper operating mechanism. J. Meyer, 1,881,816; Oct. 11.
Gripper, Well rod. J. L. Barden, 1,852,039; Apr. 5.
Gripping appliance for cop winding machines. E. Zindel, 1,852,688; Apr. 5.
Gripping device. W. O. Bickerstaff, 1,843,537; Feb. 2.
Gripping device, Internal. J. A. Buttress, 1,887,009; Nov. 8.
Gripping mechanism. H. Fankboner, 1,843,754; Feb. 2.
Grizzly bar. G. G. Symons, 1,870,034; Sept. 6.
Grizzly, Rotary. A. J. Myers, 1,891,772; Dec. 20.
Groove-cutting machine. R. A. Wittick, 1,876,380; Sept. 6.
Grooves in bushings, Cutting. H. F. Root, 1,872,817; Aug. 23.
Grooves in the ends of tubular articles, Forming. W. A. Tryon, 1,889,324; Nov. 29.
Ground detecting means for electric circuits. J. Jonas, 1,856,916; May 3.
Ground detector. R. Schimpf, 1,856,172; May 3.
Ground detector. R. Schimpf, 1,863,583; June 21.
Ground, Exploring H. Löwy, 1,864,024; June 21.
Ground for arc welding, Movable. A. W. Priebe, 1,839,437; Jan. 5.
Ground for radios and the like. C. H. Preston, 1,856,506; May 3.
Ground resistance meter. S. W. Borden, 1,876,324; Sept. 6.
Ground rod clamp. R. J. Frank, 1,864,688; June 28.
Ground setter, Adjustable. H. C. Cattell, 1,852,446; Apr. 5.
Ground speed and course indicator. H. L. Bredouw, 1,842,067; Jan. 19.
Ground working and pulverizing machine, Combined. L. Bird, 1,858,948; May 17.
Grounding clamp. S. N. Buchanan, 1,864,292; June 21.
Grounding clamp. H. O. Woolson, 1,862,073; June 7.
Grounding device. S. N. Buchanan, 1,885,227; Nov. 1.
Grounding device or connecter. J. T. Pearson, 1,860,116; May 24.
Grounding fitting. L. H. Church, 1,860,994; May 31.
Grouter for wheels. A. B. Webb, 1,858,567; May 17.
Growth of plants, Regulating the. T. Whittelsey, 1,882,377; Oct. 11.
Grubber and hoe, Combination weed. W. McMeans, 1,869,573; Aug. 2.
Guanidines, Making di-substituted. H. W. Daudt, 1,886,087; Nov. 1.
Guanidines, Making substituted. J. P. Schmitthägel, 1,878,545; Sept. 20.
Guanidines, Production of tri-substituted. H. B. Foster, 1,878,484; Sept. 20.
Guanidines, Substituted. H. Meis, 1,850,682; Mar. 22.
Guano distributor. J. R. Meece, 1,850,269; Mar. 22.
Guard. W. Jessop, 1,879,283; Sept. 27.
Guard adapter, Pick-up. L. H. Thoen, 1,862,775; June 14.
Guard and light for a vehicle or similar article, Combined mud. R. L. Carr, Des. 87,903; Oct. 11.
Guard and trap. E. V. Wilbern, 1,868,554; July 26.
Guard, Automobile safety. M. E. J. Brown, 1,848,310; Mar. 8.
Guard, Automobile splash. P. Obuchowski, 1,853,573; Apr. 12.
Guard, Cattle. F. Bauer, 1,860,571; May 31.
Guard, Compartment. V. J. English, 1,889,853; Dec. 6.
Guard, Door. D. Kees, 1,860,780; May 31.
Guard, Door. R. A. Ely, 1,849,951; Mar. 15.
Guard, Dust. G. Swallow, 1,874,382; Aug. 30.
Guard, Electric lamp. E. O. Ericson, 1,843,418; Feb. 2.
Guard, Electric rat. W. E. O'Connell, 1,849,016; Mar. 8.
Guard, Eyelid. S. E. Bohner, 1,873,928; Aug. 23.
Guard, Fence. W. N. Ely, jr., 1,888,030; Nov. 15.
Guard finger. A. O. Aamodt, 1,839,520; Jan. 5.
Guard, Finger. H. A. W. Wood, 1,883,258; Oct. 18.
Guard, Finger ring. H. Levin, 1,858,861; May 17.
Guard, Foot accelerator. H. Doan, 1,844,747; Feb. 9.
Guard, Football. R. R. Jones, 1,857,850; May 10.
Guard for animals, Mouth. H. J. Kaehler, 1,840,957; Jan. 12.
Guard for automatic firearms, Hand. R. von Frommer, 1,862,259; Dec. 27.
Guard for automatic lubricating journal boxes. G. Grandjean, 1,867,260; July 12.
Guard for carding engines. J. Pickford, 1,879,764; Sept. 27.
Guard for centrifugal extractors, Safety. T. A. Bryson, 1,841,086; Jan. 12.
Guard for cigar makers' benches. J. Rosenbluth, 1,848,384; Mar. 8.
Guard for circular saws. G. V. James, 1,879,280; Sept. 27.
Guard for collapsible underreamers. R. R. Crum, 1,878,578; Sept. 20.
Guard for elevator doors. E. Hutchinson, jr., 1,854,936; Apr. 19.
Guard for gas stoves. J. Bernstein, 1,891,078; Dec. 13.
Guard for heaters and similar articles. L. Ludwig, 1,848,755; Mar. 8.
Guard for hydro extractors, Automatic. F. Schaum, 1,856,593; May 3.
Guard for lawn mowers, Grass. H. Ericsson, 1,855,881; Apr. 26.
Guard for motor cars, motor cycles, or other wheeled vehicles, Mud. N. MacLean, T. Quinn, and F. Duffy, 1,867,518; July 12.
Guard for motor cycles or the like, Rain. J. L. Owen and A. E. Eriksson, 1,853,742; Apr. 12.
Guard for paint brushes. J. Spiegelhalter, jr., 1,887,525; Nov. 15.
Guard for plunger machines, Safety. O. D. Bayrer, 1,843,077; Jan. 26.
Guard for presses, J. A. Hinger, 1,853,425; Apr. 12.
Guard for safety zones. L. Mueller, 1,870,639; Aug. 9.
Guard for service pitchers and making same. E. J. Newman, 1,870,377; Aug. 9.
Guard for spinning machines. P. J. Laux, 1,860,039; May 24.
Guard for stanchion frames, Stop. J. B. Olson, 1,874,599; Aug. 30.
Guard for strapping machines, Fruit. C. E. Whipple and S. Ross, 1,839,626; Jan. 5.
Guard for vehicles. H. Raskin, 1,884,228; Oct. 25.
Guard, Gas burner and flume. C. E. Ebersol, 1,845,589; Feb. 16.
Guard, Grinding wheel. F. J. Trimble, 1,891,696; Dec. 20.
Guard, Highway. H. K. Bente, 1,849,167; Mar. 15.
Guard, Highway. P. E. Hunter, 1,871,062; Aug. 9.
Guard, Highway. J. Kahn, 1,860,651; May 31.
Guard, Highway. J. E. McCracken, 1,843,398; Feb. 2.
Guard, Highway. W. W. Russell, 1,892,222; Dec. 27.
Guard, Keybole. S. F. Albino, 1,842,642; Jan. 26.
Guard, Manhole. R. J. Kent, 1,882,150; Oct. 11.
Guard mechanism. A. Littlefield, 1,847,616; Mar. 1.
Guard mechanism for grinding machines, Splash. P. Plantinga, 1,873,152; Aug. 23.
Guard, Merchandise. F. Arata and J. E. Stiles, 1,877,786; Sept. 20.
Guard, Mower. E. A. Johnston, 1,891,990; Dec. 27.
Guard, Mower. C. Pearson, 1,846,452; Feb. 23.

Guard, Mower. C. Wagar. 1,839,718; Jan. 5.
Guard, Nose. L. C. Medearis. 1,840,732; Jan. 12.
Guard, Oil and dust. H. E. McGiveron. 1,886,038; Nov. 1.
Guard, Passenger. R. Jellineck. 1,841,954; Jan. 19.
Guard plate for automobile door. C. A. Savaria. Des. 86,040; Jan. 19.
Guard, Pole. C. A. Gates. 1,878,126; Sept. 20.
Guard, Propeller. B. C. Modin. 1,869,917; Aug. 2.
Guard, Protecting. E. F. Schmohl. 1,840,259; Jan. 5.
Guard, Railway crossing. C. M. Davison. 1,848,516–17; Mar. 8.
Guard, Railway crossing. F. P. Miller. 1,862,276; June 7.
Guard, Ring. J. Lowy. 1,885,930; Nov. 1.
Guard, Road. C. V. Clark, jr. 1,889,636; Nov. 29.
Guard, Road. H. C. Mann. 1,839,328; Jan. 5.
Guard, Road. C. A. Young and S. D. Zook. 1,855,506; Apr. 26.
Guard, Safety ring. A. Lev. 1,864,447; June 21.
Guard, Safety zone. C. A. Massoll. 1,867,671; July 19.
Guard, Sickle. F. A. Rockstad. 1,851,869; Mar. 29.
Guard, Snow. R. J. Brinker and C. J. Brinker. 1,863,561; June 21.
Guard, Splash. W. McCollum. 1,864,456; June 21.
Guard, Traffic. P. E. Hunter. 1,881,376; Oct. 4.
Guard, Wasp. H. Hacker and C. Willenstein. 1,844,280; Feb. 9.
Guard, Vehicle radiator. H. Raskin. Des. 86,269; Feb. 16.
Guard, Wheel. C. M. Copeland. 1,848,870; Mar. 8.
Guard wheel. F. J. and N. L. Jarvis. 1,888,726; Nov. 22.
Guard, Window. W. V. Ammen. 1,854,153; Apr. 12.
Guard, Window. A. Kaufman. 1,858,671; May 17.
Guard, Window. A. T. McWane. 1,855,865; Apr. 26.
Guard, Window. H. Wanbrauser. 1,873,229; Aug. 23.
Guarding device. H. G. Gustafsson. 1,881,524; Oct. 11.
Guards, Forming mower. C. R. Westberg. 1,868,511; July 26.
Guide and centering device, Rotary well drill. W. K. Criley. 1,860,659; May 31.
Guide and protector for universal joints, etc. A. A. Warner. 1,854,873; Apr. 19.
Guide and sash construction, Window. O. M. Edwards and J. F. Jarvan. 1,881,268; Oct. 4.
Guide, Band saw. G. Burton. 1,870,555; Aug. 9.
Guide, Band saw blade. A. S. Pragerstorfer. 1,892,470; Dec. 27.
Guide bar for slicing machines. C. F. M. van Berkel. 1,866,240; July 5.
Guide box. P. L. Coyle. 1,877,822; Sept. 20.
Guide, Cloth. C. Corley and E. A. Fleming. 1,857,941; May 10.
Guide, Curtain. T. E. McNulty. 1,870,920; Aug. 9.
Guide device for automobile lifts. C. J. Bristol. 1,885,984; Nov. 1.
Guide, Drawer. R. J. Eustis. 1,844,845; Feb. 9.
Guide, Elevator. T. Brady. 1,854,976; Apr. 19.
Guide, Elevator car. L. G. Persson. 1,872,803; Aug. 23.
Guide finger for machines for coating webs with adhesives. A. M. Becker. 1,842,043; Jan. 19.
Guide for brick laying, Corner. W. Winter. 1,872,860; Aug. 23.
Guide for circular saws. M. L. Mathews and F. C. Brice. 1,840,731; Jan. 12
Guide for drill steels. O. H. Sellars. 1,891,953; Dec. 27.
Guide for filing cabinets, Tray. S. B. Freiberg. 1,868,800; Nov. 8.
Guide for folding blades, Paper. H. A. W. Wood. 1,870,542; Aug. 9.
Guide for machine tools, Workpiece. K. Tessky. 1,891,290; Dec. 20.
Guide for molding and other machines, Straight line. J. T. Ramsden. 1,882,416; Oct. 11.
Guide for molding flasks, Adjustable. W. E. Sandham. 1,856,509; May 3.
Guide for paper making machines, Automatic wire screen. W. J. Tremp. 1,879,962; Sept. 27.
Guide for records, Needle. J. S. O'Leary. 1,859,153; May 17.
Guide for roll screens. C. Traut. 1,880,589; Oct. 4.
Guide for shaping machines, Worktable. W. F. Zimmermann. 1,870,434; Aug. 9.
Guide for sliding machines, Work support. H. Stukart. 1,867,336; July 12.
Guide for straw-braid sewing machines. W. Myers. 1,849,333; Mar. 15.
Guide for the blind, Writing. A. Sharp. 1,870,145; Aug. 2.
Guide for the fine adjustment of microscopes, Slide. P. Dietrich. 1,872,121; Oct. 11.
Guide for the mandrel shafts in tube drawing benches. H. Heetkamp. 1,879,743; Sept. 27.
Guide for tire building machines. C. E. Maynard. 1,867,370; July 12.
Guide for vehicles, Driving and parking. M. D. Kenna. 1,871,532; Aug. 16.
Guide for window frames, Sash. H. V. Taylor. 1,876,363; Sept. 6.
Guide, Golf club. I. L. Bambrick. 1,854,392; Apr. 19.
Guide mechanism for cotton pickers. W. R. Willett and H. E. Brown. 1,889,580; Nov. 29.
Guide mechanism for use in connection with welding machines and the like. J. E. Coyle. 1,851,001; Mar. 29.
Guide, Metallic sucker rod. P. R. G. Bledermann. 1,875,555; Sept. 6.
Guide, Paper. F. J. Schott, jr. 1,881,138; Oct. 4.
Guide, Paper folding. F. Reyer. 1,845,191; Feb. 16.
Guide, Pipe. J. G. Sniffin and F. Hammet. 1,840,747; Jan. 12.
Guide, Ported shoe. A. B. Crowell. 1,873,741; Aug. 23.
Guide rail lubricator. T. Brady. 1,883,515; Oct. 18.
Guide, Record. E. W. Davis. 1,868,276; July 19.
Guide, Ribbon. L. A. Tupper. 1,868,153; July 19.
Guide rod, Operating. R. R. Bostic. 1,891,615; Dec. 20.
Guide, Saw. R. L. Coble. 1,889,464; Nov. 29.
Guide, Shade. G. F. Wannemacher. 1,842,923; Jan. 26.
Guide, Shuttle filling. E. Crawford. 1,888,817; Nov. 22.
Guide sleeves for spring rings to the points for working, Device for feeding the. B. Foerster. 1,856,951; May 3.
Guide sleeves for spring rings, Working. B. Foerster. 1,856,952; May 3.
Guide, Thread. R. T. Joyner, L. B. Bowles, and G. C. Freed. 1,887,024; Nov. 8.
Guide, Tractor. F. J. Heinz. 1,839,965; Jan. 5.
Guide, Tractor. O. T. Nichol. 1,840,123; Jan. 5.
Guide, Window curtain rod. N. Galliher. 1,891,808; Dec. 20.
Guides, Installation of rolling window screen. H. Dixson. 1,846,320; Feb. 23.
Guiding and folding attachment for paper box machines. H. G. Hall. 1,868,572; July 26.
Guiding attachment for traversing hoists, Bucket. R. C. Cook. 1,848,075; Mar. 1.
Guiding means for pipe couplings. S. V. Dillon. 1,876,638; Sept. 13.
Guiding means for rolling mills. R. H. Norton. 1,839,251; Jan. 5.
Guiding means for the carrier plates in match making machines. H. Kugler. 1,873,604; Aug. 23.
Guitar-mandolin. Neckless. M. Meisel. 1,839,244; Jan. 5.
Guitar, Resonating. W. Lange. 1,865,344; June 14.
Gum base, Chewing. L. W. Geller. 1,855,016–17; Apr. 19.
Gum base, Chewing. G. A. Hatherell. 1,887,930; Nov. 15.
Gum, Chewing. V. L. Woodward. 1,881,989; Oct. 11.
Gum, Forming chewing. F. A. Garbutt. 1,852,005; Apr. 5.
Gum inhibitor. W. S. Calcott and I. E. Lee. 1,884,559; Oct. 25.
Gum solutions, Manufacture of vegetable. A. Pfister. 1,873,631; Aug. 23.
Gum strip applier for tire building machines. C. H. Desautels. 1,859,330; May 24.
Gumming device. A. Novick. 1,848,138; Mar. 8.
Gumming mechanism for paper making machines. C. F. Pfanze. 1,873,850; Aug. 23.
Gun. G. M. Barnes. 1,845,217–18; Feb. 16.
Gun. G. M. Barnes. 1,877,118; Sept. 13.
Gun. F. J. Bridgeman. 1,890,669; Dec. 13.
Gun. C. F. Le Fever. 1,856,285; May 3.
Gun. C. F. LeFever. 1,886,561; Nov. 8.
Gun. G. M. McCann. 1,866,938; July 12.
Gun. O. V. Payne. 1,860,157; May 24.
Gun. H. Smith. 1,883,028; Oct. 18.
Gun and automatic small arms, Machine. C. A. Larsson and P. R. Higson. 1,846,035; Feb. 23.
Gun and small arm, Machine. L. V. S. Blacker. 1,856,022; Apr. 26.
Gun, antiaircraft. N. E. Methlin. 1,879,705; Sept. 27.
Gun, Automatic shot. J. J. Henry. 1,852,411; Apr. 5.
Gun barrel and finishing the same. A. Ulin and A. G. Schuricht. 1,886,218; Nov. 1.
Gun, Breech loading. D. Gobbo. 1,854,833; Apr. 19.
Gun, Capsule. R. E. Brumbach. 1,883,308; July 19.
Gun, Car washer. S. Bramsen, W. Hersleb, and F. Wahlin. 1,872,058; Aug. 16.
Gun carriage. M. de Bolgne. 1,857,945; May 10.
Gun carriage. E. C. Goebert and T. A. Conlon. 1,858,495; May 17.
Gun choke and constructing the same, Adjustable. E. F. White. 1,892,522; Dec. 27.
Gun cleaning device. W. Van Rixel, jr. 1,872,198; Aug. 16.
Gun, Cross bow. W. H. Colby. 1,866,926; July 12.
Gun, Expansion chamber type gas. B. C. Goss. 1,892,050; Dec. 27.
Gunfire control system, Continuous aim. J. Dugan. 1,880,174; Sept. 27.
Gun, Flash. E. A. Trager. 1,851,878; Mar. 29.
Gun for applying liquid to dandelions. F. I. Jaden. 1,865,914; July 5.
Gun for concrete or plastic materials, Continuous feed. C. F. Kelley. 1,889,480; Nov. 29.
Gun for condenser cleaning steam. W. F. Oberhuber. 1,867,751; July 19.
Gun, Gas. J. Williams, jr. 1,877,710; Sept. 13.
Gun, Grease. J. Marland and C. A. Griffith. 1,875,745; Sept. 6.
Gun, Hydraulic lubricating. V. P. Goerland. 1,868,701; July 26.
Gun loader, Shot. A. Zichy. 1,874,408; Aug. 30.
Gun, Machine. L. Davis, jr. 1,869,738; Aug. 2.
Gun mechanism. F. W. Ford. 1,855,547; Apr. 26.
Gun mount. R. R. Reid. 1,874,422; Aug. 30.
Gun mount. E. G. Emery, jr. 1,847,237; Mar. 1.
Gun mount and carriage. G. M. Barnes. 1,861,831; June 7.

Gun mount for aeroplanes. A. Allan and W. H. Innes. 1,844,625 ; Feb. 9.
Gun mounting, Traverse machine. A. E. Elsea. 1,856,987 ; May 3.
Gun, Mud. E. E. Brosius. 1,889,433 ; Nov. 29.
Gun pad, Adjustable recoil. W. J. Morgan. 1,847,777 ; Mar. 1.
Gun piston position indicating means, Clay. A. F. Giese, jr. 1,881,479 ; Oct. 11.
Gun, Pneumatic dash. L. D. Wick. 1,892,260 ; Dec. 27.
Gun port. N. H. Phillips. 1,890,232 ; Dec. 6.
Gun port. H. E. Wise. 1,847,419 ; Mar. 1.
Gunpowder, Producing smokeless. E. Bazylewicz-Kniazykowski and K. Paryjka. 1,889,462 ; Nov. 29.
Gun, Recoil grease. E. A. Dunlap. 1,843,113 ; Feb. 2.
Gun Recoil pad. S. T. Anderson. 1,839,856 ; Jan. 5.
Gun, Shot. R. B. Rosenstiel. 1,858,560 ; May 17.
Gun sight. J. Herman. 1,875,411 ; Sept. 6.
Gun sight. G. O. C. Probert. 1,891,395 ; Dec. 20.
Gun sight. C. W. Robbins. 1,850,288 ; Mar. 22.
Gun sight. H. E. Wise. 1,890,478 ; Dec. 13.
Gun sight, Rear. W. E. Endrezze. 1,852,875 ; Apr. 5.
Gun sight, Shot. D. W. King. 1,851,189 ; Mar. 29.
Gun sight support. S. Griffin and R. Sparr. 1,856,549 ; May 3.
Gun sighting. C. W. McKeen. 1,865,127 ; June 28.
Gun, Spray. A. Boyd. 1,875,411 ; Sept. 6.
Gun, Spray. P. S. Case. 1,876,610 ; Sept. 13.
Gun, Spray. J. E. Perrin. 1,881,963 ; Oct. 11.
Gun, Spray. H. E. Tracy. 1,837,901 ; Nov. 15.
Gun stock, Adjustable. C. S. Ash. 1,869,086 ; July 26.
Gunstock for pistols, Removable. L. J. Munson. 1,877,016 ; Sept. 13.
Gun stock pad. W. Knight. 1,842,527–8 ; Jan. 26.
Gun structure, Clay. A. F. Giese, jr. 1,881,478 ; Oct. 11.
Gun synchronizer. W. S. Horton. 1,848,720 ; Mar. 8.
Gun, Tear gas. W. R. Medlock. 1,885,126 ; Nov. 1.
Gun, Trap. G. Karr. 1,884,721 ; Oct. 25.
Gun wad. S. Cox. 1,837,107 ; Aug. 16.
Gun wad material, Making. R. H. Johnson. 1,872,745 ; Aug. 23.
Guns, Apparatus for use in the fire control of antiaircraft. J. F. Watson. 1,891,397 ; Dec. 20.
Guns, Bolt operating mechanism for machine. R. C. Coupland. 1,845,242 ; Feb. 16.
Guns, Bolt operating mechanism for machine. J. L. Hatcher. 1,858,498 ; May 17.
Guns, Independent line of sights for. J. C. Karnes. 1,859,006 ; May 24.
Guns of all calibers, Device for damping the recoil of the barrel in. N. E. Methlin. 1,841,960 ; Jan. 19.
Guns, Tripod carriage for machine. A. Krum. 1,843,393 ; Feb. 2.
Gutter and hanger therefor, Roof. G. A. Belding. 1,876,140 ; Sept. 6.
Guy fixture for poles. R. G. Williams. 1,855,564 ; Apr. 26.
Gynecologic instrument. F. O. E. Eggert. 1,857,127 ; May 10.
Gypsum board, Method of and apparatus for making. W. K. Nelson. 1,868,671 ; July 26.
Gypsum, Calcining. W. Amoss. 1,863,318 ; June 14.
Gypsum calcining furnace. J. Eklund. 1,841,940 ; Jan. 19.
Gypsum or like material, Method of and apparatus for pouring. G. F. Loweth. 1,847,261 ; Mar. 1.
Gypsum plaster products and plaster-base material. C. K. Swift. 1,868,372 ; July 19.
Gypsum-rubber composition. F. H. Untiedt. 1,880,601 ; Oct. 4.
Gyratic testing instrument. A. Sonntag. 1,881,332 ; Oct. 4.
Gyrocompass, Constant period. H. H. Thompson and E. C. Sparling. 1,886,606 ; Nov. 8.
Gyrocompasses, Follow-up system for. J. N. Mahoney. 1,887,318 ; Nov. 8.
Gyroscope, Directional. M. F. Bates. 1,851,536 ; Mar. 29.
Gyroscope suspension. J. Fleux. 1,845,592 ; Feb. 16.
Gyroscopic apparatus for stabilizing bodies. H. Anschütz-Kaempfe. 1,840,241 ; Jan. 5.
Gyroscopic instrument. E. B. Williams. 1,891,856 ; Dec. 20.
Gyroscopic instrument and apparatus. J. B. Henderson. 1,866,706 ; July 12.
Gyroseparator. E. P. Humphrey. 1,888,131 ; Nov. 15.
Gyrostrafter. A. Ogassin. 1,885,414 ; Nov. 1.
Hacksaw. H. A. Stoddard. 1,845,731 ; Feb. 16.
Hacking machine. C. E. Fuller and W. W. Wallace. 1,860,143 ; May 24.
Hair and scalp treating apparatus. N. Mascolo. 1,847,619 ; Mar. 1.
Hair, animal fibers and fur skins, Bleaching and decolorizing. C. Krogstrup. 1,885,622 ; Nov. 1.
Hair, Apparatus for placing waves in. C. S. Ackley. 1,848,093–4 ; Mar. 8.
Hair, Apparatus for straightening curly. H. L. J. Marshall. 1,851,858 ; Mar. 29.
Hair, Apparatus for use in waving. B. F. Jancke. 1,892,106 ; Dec. 27.
Hair by steam heat, Waving. H. R. Van Kirk. 1,847,735 ; Mar. 1.
Hair clamp. K. G. Ströher. 1,875,949 ; Sept. 6.
Hair cleaning device. F. R. Rapids. 1,853,226 ; Apr. 12.
Hair cleaning device. F. R. Rapids. 1,859,714 ; May 24.
Hair clipper. M. Andis. 1,877,740 ; Sept. 13.
Hair clipper. F. N. Tompkins and L. O. Moser. 1,887,968 ; Nov. 15.
Hair clipper, Electric. G. C. Sireci. 1,878,549 ; Sept. 20.
Hair clipper, suction operated. M. Rolstad. 1,841,634 ; Jan. 19.
Hair clipping machine. T. Chulanovski. 1,860,234 ; May 24.
Hair collector. A. Weber. 1,844,728 ; Feb. 9.
Hair comb. A. Angermayr. 1,843,437 ; Feb. 2.
Hair comb. E. M. Willey. 1,850,610 ; Mar. 22.
Hair curler. E. E. Baldwin. 1,872,644 ; Aug. 23.
Hair curler. J. C. Brookes. 1,850,377 ; Mar. 22.
Hair curler. H. W. Ferguson. 1,849,019 ; Jan. 26.
Hair curler. J. Jacobs. 1,892,575 ; Dec. 27.
Hair curler. M. H. and M. E. Kellhamer. 1,886,887 ; Nov. 8.
Hair curler. R. T. Plate. 1,886,731 ; Nov. 8.
Hair curler. K. G. Ströher. 1,857,677 ; May 10.
Hair curler, Electrically operated. C. Fayer and J. Kremer. 1,874,479 ; Aug. 30.
Hair, Curling. A. K. E. Maass. 1,854,050 ; Apr. 12.
Hair curling and waving devices, Apparatus for use in connection with. E. L. Smith. 1,849,770 ; Mar. 15.
Hair curling apparatus. A. F. Godefroy. 1,847,479 ; Mar. 1.
Hair curling apparatus. A. Pfortner. 1,887,482 ; Nov. 8.
Hair curling apparatus. E. I. Smith. 1,839,900 ; Jan. 5.
Hair curling apparatus and method. W. G. Shelton. 1,884,305 ; Oct. 25.
Hair curling device. R. E. Drannon and N. W. Kenison. 1,870,496 ; Aug. 9.
Hair curling device. C. P. Gorin. 1,859,440 ; May 24.
Hair curling device. R. Klein. 1,847,401 ; Mar. 1.
Hair curling device. R. Landrum. 1,867,850 ; July 19.
Hair curling process. A. Nefgzer. 1,891,438 ; Dec. 20.
Hair cutter. W. E. Loughmiller. 1,866,475 ; July 5.
Hair cutting gauge. A. E. Steinkamp. 1,858,252 ; May 17.
Hair cutting machine. G. N. Henderson. 1,869,101 ; July 26.
Hair device. H. Eisler. Re18,695 ; Dec. 20.
Hair device. H. Eisler. 1,844,646 ; Feb. 9.
Hair, Device for permanently waving. A. G. Johnson. 1,846,338 ; Feb. 23.
Hair dresser's comb. A. T. Scheiwer. 1,877,538 ; Sept. 13.
Hair dressing. F. Bryner. 1,852,231 ; Apr. 5.
Hair dressing device. J. N. LaGassé. 1,882,508 ; Oct. 11.
Hair drier. C. L. Bair. 1,840,929 ; Jan. 12.
Hair drier. W. H. Bell. 1,865,796 ; Apr 12.
Hair drier. P. Kunian and A. M. Douglas. 1,869,012 ; July 26.
Hair drier. P. Kunian and J. Goldberg. 1,883,972 ; Oct. 25.
Hair drier. H. G. Levy. 1,840,963 ; Jan. 12.
Hair drying apparatus. A. Conzelman. 1,887,233 ; Nov. 8.
Hair drying apparatus. G. W. Peterson. 1,889,333 ; Nov. 29.
Hair drying device. L. Zainfeld. 1,842,001 ; Jan. 19.
Hair heating equipment. P. Santurello. 1,886,909 ; Nov. 8.
Hair inclosure. W. S. Lewis. 1,858,333 ; May 17.
Hair, Mechanism for waving. A. J. Buchl. 1,860,352 ; May 31.
Hair, Method and apparatus for treating. E. Heinicke. 1,877,662 ; Sept. 13.
Hair, Method and apparatus for treating women's. H. LaFaze. 1,881,727 ; Oct. 11.
Hair net. L. M. Butcher. 1,848,993 ; Mar. 8.
Hair net, Sleeping. D. R. McCown and M. V. Mumma. 1,849,498 ; Mar. 15.
Hair permanent waving apparatus. H. Bonat. 1,843,749 ; Feb. 2.
Hair, Permanently waving. E. De Baerdemaeker. 1,876,688 ; Sept. 13.
Hair, Permanently waving. R. L. Evans. 1,889,746 ; Dec. 6.
Hair, Permanently waving. R. L. Evans. 1,892,389–91 ; Dec. 27.
Hair, Permanently waving. R. L. Evans. 1,892,426 ; Dec. 27.
Hair, Permanently waving. A. G. Johnson. 1,845,752 ; Feb. 16.
Hairpin. J. D. Campbell. 1,861,109 ; May 31.
Hairpin. E. D. Davis. 1,848,771 ; Mar 8.
Hairpin. W. H. Hermsdorf. 1,854,793 ; Apr. 19.
Hairpin. J. M. Jenkins. 1,875,611 ; Sept. 6.
Hairpin. E. E. Litkenhous. 1,846,882 ; Feb. 23.
Hairpin. I. H. Peck. 1,867,169 ; July 12.
Hairpin. H. A. Prym. 1,867,472 ; July 12.
Hair pin. E. Sparke. 1,884,900 ; Oct. 25.
Hairpin. A. B. Weissenborn. 1,842,135 ; Jan. 19.
Hairpin. A. B. Weissenborn. 1,855,811 ; Apr. 26.
Hair pin, Decorative. O. A. Conzelman. 1,872,643 ; Aug. 23.
Hairpin hook. D. Davies. 1,847,819 ; Mar 1.
Hairpin, Locking. J. J. Klavon. 1,852,931 ; Apr. 5.
Hair retainer. B. Dowick. 1,885,993 ; Nov. 1.
Hair spreading machine. J. F. Dornan. 1,875,710 ; Sept. 6.
Hair steamer and drier. J. A. Dary. 1,871,591 ; Aug. 16.
Hair straightening device. A. J. Navarre de Requesens. 1,889,691 ; Nov. 29.
Hair straightening device. J. E. B. Williams. 1,861,040 ; May 31.

Hair treating apparatus. P. E. Gaire. 1,839,668; Jan. 5.
Hair treating apparatus. P. E. Gaire. 1,839,754; Jan. 5.
Hair treating apparatus. P. E. Gaire. 1,842,666; Jan. 26.
Hair treating device. F. Griesser. 1,847,942; Mar. 1.
Hair, Treating human. S. G. Taukins. 1,845,208; Feb. 16
Hair-wave setting device. L. B. Andrew. 1,892,262; Dec.
Hair waver. C. A. Buchanan. 1,858,851; May 17.
Hair waver. A. E. Farrell. 1,889,854; Dec. 6.
Hair waver. W. Fletcher and A. O. Lewis. 1,866,555; July 12.
Hair waver. K. M. Foote. 1,868,412; July 19.
Hair waver. J. Goodman. 1,847,480; Mar. 1.
Hair waver. B. F. Jancke, F. Korf, and W. F. Zentler. 1,892,107; Dec. 27.
Hair waver. H. Natkiel and H. Engelke. 1,851,053; Mar. 29.
Hair waver. J. Sguerso. 1,884,891; Oct. 25.
Hair waver. B. A. Sterling. 1,862,721–2; June 14.
Hair waver. B. A. Sterling. 1,884,343; Oct. 25.
Hair waver. B. A. Sterling. 1,889,227; Nov. 29. 27.
Hair waver. C. Terry. 1,840,543; Jan. 12.
Hair waver. A. E. Walsh. 1,865,655; July 5.
Hair waver, Permanent. G. F. Botscheider. 1,853,033; Apr. 12.
Hair waver, Permanent. V. H. Carouso. 1,840,695; Jan 12.
Hair waves, Apparatus for the production of. H. Kahlhofer. 1,841,131; Jan. 12.
Hair, Waving. A. M. Gay. 1,851,541; Mar. 29.
Hair waving. S. Roberts. 1,855,691; Apr. 26.
Hair waving and curling device. H. C. and M. A. Fraser 1,847,826; Mar. 1.
Hair waving apparatus. H. Bonat. 1,868,089; July 19.
Hair waving apparatus. R. Carlston. 1,859,615; Mar. 22.
Hair waving apparatus. G. Decker. 1,863,220; June 14.
Hair waving apparatus. R. M. Keele. 1,842,408; Jan. 26.
Hair waving apparatus. R. M. Keele. 1,859,367; May 24.
Hair waving apparatus. J. Mayer. 1,848,429; Mar. 8.
Hair waving apparatus. G. W. Miller. 1,882,334; Oct. 11.
Hair waving apparatus. L. Napolitan. 1,854,523; Apr. 19.
Hair waving apparatus. W. G. Shelton. 1,850,777; Mar. 22.
Hair waving apparatus and method. R. M. Keele. 1,855,553; Apr. 26.
Hair waving apparatus and method. R. M. Keele. 1,887,556; Nov. 15.
Hair waving apparatus and method. T. I. Moseley. 1,877,191; Sept. 13.
Hair waving, Apparatus for. G. Decker. 1,873,874–5; Aug. 23.
Hair waving apparatus, Permanent. F. X. Maier. 1,852,933; Apr. 5.
Hair waving apparatus, Permanent. F. X. Maier. 1,892,063; Dec. 27.
Hair waving appliance. R. Bishinger. 1,885,577; Nov. 1.
Hair waving appliance, Steam. H. R. Van Kirk. 1,847,704; Mar. 1.
Hair waving comb. G. F. and G. A. Waters. 1,883,151; Oct. 18.
Hair waving device. L. Gadd. 1,849,543; Mar. 15.
Hair waving device. B. S. Hendrickson. 1,846,106; Feb. 23.
Hair waving device. H. R. Hokin. 1,852,557; Oct. 11.
Hair waving device. T. M. Kelly. 1,859,361; May 24.
Hair waving device. H. R. Kokin. 1,852,461; Apr. 5.
Hair waving device. D. F. McGinnis. 1,856,494; May 3.
Hair waving device. S. E. Mortimer. 1,857,689; May 10.
Hair waving device. T. I. Moseley. 1,888,284; Nov. 22.
Hair waving device. J. M. Sage. 1,878,978; Sept. 20.
Hair waving device. W. G. Shelton. 1,848,205; Mar. 8.
Hair waving device. W. G. Shelton. 1,884,306; Oct. 25.
Hair waving device. J. A. H. Siers. 1,852,269; Apr. 5.
Hair waving device. M. A. Tienken and C. A. Meyer. 1,880,578; Oct. 4.
Hair waving device. W. E. Villinger. 1,864,383; June 21.
Hair waving device. T. N. P. West. 1,851,879; May 10.
Hair waving device. M. Widerman. 1,889,166; Nov. 29.
Hair waving device, Air cooled. B. F. Pryor. 1,887,786; Nov. 15.
Hair waving device, Permanent. N. Samantas. 1,886,051; Nov. 1.
Hair waving machine. J. W. Cox. 1,890,047; Dec. 6.
Hair waving means. D. Lakenbach. Re18,346; Feb. 9.
Hair waving means. H. A. Taylor. 1,851,531; Mar. 29.
Hair waving pad. R. L. Evans. 1,875,228; Aug. 30.
Hair wrapping instrument. R. Pezzelli. 1,877,776; Sept. 20.
Half-tone process and type. H. R. Harvey. 1,872,943; Aug. 23.
Halftone screen. J. G. Gueovjian. 1,858,011; May 10.
Halide addition products, polymers, and oxides of rubber. Preparation of. H. A. Bruson. 1,846,247; Feb. 23.
Halide preparation. A. S. Behrman. 1,843,355; Feb. 2.
Halide residue. Treating metallic. W. H. Shiffler. 1,865,797; July 5.
Halogen anthraquinone acridones. W. Bruck. 1,851,085; Mar. 29.
Halogen derivatives of anthanthrones. M. A. Kunz, K. Koeberle, and E. Berthold. 1,876,974; Sept. 13.
Halogen derivatives of benzanthrone, Production of. W. M. Murch. 1,851,019; Mar. 29.
Halogen derivatives of n-dihydro-1,2,2',1'-anthraquinoneazine, Improving. P. Nawiasky. 1,877,020; Sept. 13.
Halogen derivatives of the anthraquinoneazine series and making same. H. Neresheimer and W. Schneider. 1,877,946; Sept. 20.
Halogen-dibenzpyrenequinones and making same. G. Kränzlein and M. Coreli. 1,855,293; Apr. 26.
Halogen-methyl compound and preparing it, Aromatic. A. Brunner. 1,887,396; Nov. 8.
Halogen recovery. A. S. Behrman. 1,843,354; Feb. 2.
Halogen substitution product of dinaphthylene-dioxide. B. Bollweg, L. Zeh, and E. Kramer. 1,878,666; Sept. 20.
Halogen-terephthalic-hexahalides and preparing same. H. Schindhelm. 1,867,766; July 19.
Halogenated-n-benzanthronepyrazolanthrones. M. A. Kunz, K. Koeberle, and E. Berthold. 1,846,122; Feb. 23.
Halogenation products of the ketimides of acenaphth-perindandione and its derivatives. W. Eckert and H. Sieber. 1,891,148; Dec. 13.
Halter, Halt. K. J. Leuson. 1,862,187; June 7.
Halter, Live decoy. W. E. Pratt. 1,879,991; Sept. 27.
Ham retainer. R. E. Jordan. 1,849,674; Mar. 15.
Hamburger forming and frying machine, Automatic. W. A. Farr. 1,881,126; Oct. 4.
Hame fastener, Adjustable. V. R. Dean. 1,867,967; July 19.
Hammer. W. A. Babb. 1,867,201; July 12.
Hammer. A. L. Stowell. 1,847,278; Mar. 1.
Hammer and cutter for hammer mills, Combination. C. D. Ammon. 1,871,489; Aug. 16.
Hammer and relief valve, Water. W. L. Gilbert. 1,846,483; Feb. 23.
Hammer, Claw. R. S. Blair. 1,869,129; July 26.
Hammer crusher. G. W. Borton. 1,872,233; Aug. 16.
Hammer crusher. G. W. Borton. 1,877,121; Sept. 13.
Hammer drill, Rotary. G. A. Billman. 1,845,074; Feb. 16.
Hammer, Drop. F. J. Vichek. 1,868,476; July 19.
Hammer, Electric. A. Decker. 1,859,743; Jan. 5.
Hammer, Electric. S. M. Decker. 1,871,446; Aug. 16.
Hammer for rock drills. J. E. Renfer. 1,866,819; July 12.
Hammer head attachment, Wrecking bar. J. G. Elliott. 1,851,697; Mar. 29.
Hammer, Helve operated. W. A. Rockenfield. 1,840,174; Jan. 5.
Hammer, Helve operated. W. A. Rockenfield. 1,862,431; June 7.
Hammer, Hydraulically operated drop. W. Ernst. 1,870,499; Aug. 9.
Hammer, Lathing. J. W. Hennecke. 1,869,850; Aug. 2.
Hammer, Mechanical. R. Goldschmidt. 1,855,446; Apr. 26.
Hammer, Mechanical. R. Holle. 1,877,462; Sept. 13.
Hammer, Mechanical. S. Nielsen. 1,851,668; Apr. 5.
Hammer mill. C. Nielsen. 1,889,129; Nov. 29.
Hammer mill blade. P. P. Bowen. 1,841,355; Jan. 19.
Hammer, Power. C. B. Contes. 1,838,790; Nov. 22.
Hammer, Power. L. F. Kott. 1,855,026; Apr. 19.
Hammer, Power. R. P. Martin. 1,887,980; Nov. 15.
Hammer, Power. A. Schneider. 1,875,939; Sept. 6.
Hammer, Power. W. J. Wilson. 1,841,951; Jan. 12.
Hammer, Power operated. W. C. Speck and E. Barker. 1,841,650; Jan. 19.
Hammer rectifier reciprocation. E. W. Tschudi. 1,860,826; May 31.
Hammer, Rotary pivoted. H. J. Shelton. 1,850,244; Mar. 22.
Hammer, Vacuum power. J. C. Campbell. 1,857,138; May 10.
Hammers by sliding on a support, Device for automatically advancing perforating. P. Gouge. 1,857,686; May 10.
Hammers, Pneumatic improvement for solenoid. S. E. Mortimer. 1,853,695; Apr. 12.
Hammock, Couch. C. E. Friesner. 1,845,142; Feb. 16.
Hammock fabric. T. Palmer. Des. 86,051–2; Jan. 19.
Hammock stand. C. M. Dunlap. 1,880,909; Oct. 4.
Hammock, Suspending a. C. F. Richardson. 1,857,607; May 10.
Hand apparatus for roughing cloth. A. Cotti. 1,890,147; Dec. 6.
Hand, Artificial. J. W. Baehr. 1,861,678; June 7.
Hand, Artificial. H. F. Gehr. 1,876,247; Aug. 30.
Handbag. S. R. Goldsmith. 1,863,270; June 14.
Hand bag. T. D. Gomi. 1,883,702; Oct. 18.
Hand bag. W. C. Hering. 1,874,909; Aug. 30.
Handbag. L. Janof. Des. 86,606; Mar. 29.
Hand bag. S. Maksik. 1,842,792; Jan. 26.
Handbag. S. Maksik. 1,855,253; Apr. 26.
Hand bag. S. Maksik. 1,887,511; Nov. 15.
Hand bag. C. J. McCabe and I. Schoenholz. 1,865,938; July 5.
Handbag. E. F. Miller. 1,871,549; Aug. 16.
Hand bag. N. Ottinger. Des. 86,049–50; Jan. 19.
Hand bag. J. Rudolph, J. Rosenzweig, and D. Aschkenas. 1,890,020; Dec. 6.
Hand bag. B. R. Thornhill. 1,889,389; Nov. 29.
Hand-bag. O. J. Wallnsky. 1,859,061; May 17.
Hand bag. M. White. Des. 87,701; Sept. 6.
Handbag. M. White. Des. 87,898; Oct. 4.
Handbag. M. White. Des. 87,993; Oct. 22.
Hand bag frame. W. C. Hering. Des. 88,735; Dec. 20.
Handbag or the like. H. L. Redman. Des. 87,544–5; Aug. 9.

Handbag or the like, Lady's. H. L. Redman. Des. 87,546; Aug. 9.
Hand clotting appliance. A. A. Guerra. 1,847,047; Feb. 23.
Hand brake. F. P. Barthelemy. 1,853,710; Apr. 12.
Hand brake. H. E. Camp. 1,872,063; Aug. 16.
Hand brake. H. Fuchs. 1,858,490; May 17.
Hand brake. H. Fuchs. 1,877,841; Sept. 20.
Hand brake. W. A. Geiger. 1,849,967; Mar. 15.
Hand brake. J. Harris. 1,877,308; Sept. 13.
Hand brake. S. B. Haseltine. 1,859,701; May 24.
Hand brake. S. B. Haseltine. 1,865,969; July 5.
Hand brake. W. A. Heitner. 1,864,729; June 28.
Hand brake. W. A. Heitner. 1,865,631; July 5.
Hand brake. J. J. Hveem. 1,855,715; Apr. 26.
Hand brake. V. A. Johnson and S. B. Haseltine. 1,877,330; Sept. 13.
Hand brake. W. H. Miner. 1,877,354; Sept. 13.
Hand brake. A. F. O'Connor. 1,845,513; Feb. 16.
Hand brake. J. F. O'Connor. 1,847,440; Mar. 1.
Hand brake. J. F. O'Connor. 1,850,564; Mar. 22.
Hand brake. J. F. O'Connor. 1,855,126; Apr. 26.
Hand brake. J. F. O'Connor. 1,858,520; May 17.
Hand brake. J. F. O'Connor. 1,860,549; May 31.
Hand brake. J. F. O'Connor. 1,877,027; Sept. 13.
Hand brake. R. J. Olander. 1,854,804-5; Apr. 19.
Hand brake. R. J. Olander. 1,869,550; Aug. 2.
Hand brake. W. F. Richards. 1,842,841; Jan. 26.
Hand brake. W. L. Richards. 1,848,435; Mar. 8.
Hand brake, Railway. R. W. Burnett. 1,879,972-4; Sept. 27.
Handcuff. E. E. Neal. 1,845,511; Feb. 16.
Handcuff. E. E. Neal. 1,851,206; Mar. 29.
Handcuff. G. W. Pratt. 1,856,427; May 3.
Handcuff. G. W. Pratt. 1,890,745; Dec. 13.
Hand grip. L. Reinold. 1,860,596; May 31.
Hand reel. O. E. Swearingen. 1,862,611; June 14.
Hand rest. Bengtsson. 1,869,911; Aug. 2.
Hand rest for steering wheels. W. O. Appleman and F. N. Bay. 1,865,072; June 28.
Handsaw Combination. F. W. Winter. 1,884,469; Oct. 25.
Hand signal, Automatic electric. H. Marcin. 1,860,109; May 24.
Handtruck. M. Jankisz. 1,885,112; Nov. 1.
Handwheel. R. W. Burnett. 1,848,822; Mar. 8.
Hand wheel. J. E. Whitfield. 1,884,448; Oct. 25.
Handkerchief. E. M. Bernstein. 1,874,864; Aug. 30.
Handkerchief. E. M. Spangler. 1,844,808; Feb. 9.
Handkerchief or similar article. M. P. Bee. Des 86,992; May 24.
Handkerchief or similar article. F. A. Ramig. Des. 88,257; Nov. 8.
Handle; *See*—
Basket handle.
Bottle handle.
Brush handle.
Carpet sweeper handle.
Casket handle.
Collapsible handle.
Crank handle.
D-handle.
Detachable handle.
Door handle.
Extension handle.
File handle.
Fishing rod handle.
Garment hanger.
Golf club handle.
Hose nozzle handle.
Interchangeable umbrella handle.
Knife and guard handle.
Lamp and guard handle.
Lawn mower handle.
Locking handle.
Needle holding handle.
Removable handle.
Saw handle.
Shock absorbing handle.
Shovel handle.
Sponge handle.
Steering wheel handle.
Storage battery handle.
Strop handle.
Switch box hanger.
Switch handle.
Tool handle.
Top-spinning handle.
Umbrella handle.
Handle. B. S. Floraday. 1,871,169; Aug. 9.
Handle anchoring means, Door lock. W. C. Devereaux. 1,864,342; June 21.
Handle and motor assembly for electric utility devices. P. J. Fitzgerald. 1,859,153; May 17.
Handle and strap holder, Combination. W. L. Kauffman. 1,849,933; Mar. 15.
Handle and utensil support, Pot lid. J. B. Estes. 1,853,921; Apr. 12.
Handle assembly. H. C. Field. 1,877,289; Sept. 13.
Handle assembly. J. G. Hickman. 1,847,395; Mar. 1.
Handle assembly. E. N. Jacobi. 1,882,625; Oct. 11.
Handle assembly. D. Miller. 1,853,918; Apr. 12.
Handle assembly. D. Miller. 1,876,257; Sept. 6.
Handle attaching device. C. H. Rollason. 1,874,629; Aug. 30.
Handle attaching means for brooms and the like. F. Wallin. 1,872,334; Aug. 16.
Handle box. M. Lichter. 1,876,982; Sept. 13.
Handle connection, Tool. J. H. Wily. 1,853,186; Apr. 12.
Handle construction, Knife. N. Amoroso. 1,862,649; June 14.
Handle, Foldable. E. Lucks-Osten. 1 887,358; Nov. 8.
Handle for an electric plug. A. H. Massey. Des. 88,337; Nov. 15.
Handle for automobile doors and the like. W. J. Moore. Des. 87,311; July 5.
Handle for bakers' peels. A. H. Raubvogel. 1,867,029; July 12.
Handle for baskets, Removable and adjustable. C. L. Hoover. 1,848,218; Mar. 8.
Handle for bouquets. A. Dreyer. 1,844,567; Feb. 9.
Handle for coffee makers. F. E. Wolcott. Des. 86,429; Mar. 1.
Handle for coffee makers. F. E. Wolcott. Des. 87,656; Aug. 23.
Handle for coffee makers and the like. A. M. Bever. 1,859,614; May 24.
Handle for cooking utensils, Detachable. W. Hardy. 1,840,775; Jan. 12.
Handle for electric switch blades. R. W. Grace. 1,861,269; May 31.
Handle for lawn mowers and the like. F. J. Gracey. 1,847,394; Mar. 1.
Handle for levers of motor vehicles, Auxiliary. C. and J. Degenhart. 1,846,476; Feb. 23.
Handle for machines for reloopting the runs in stockings and other knitted fabrics, Tool. G. T. Walker. 1,856,605; May 3.
Handle for mattresses. H. R. Olson. 1,875,121; Aug. 30.
Handle for percussive tools. E. B. Lear. 1,877,771; Sept. 20.
Handle for portable tools. L. F. Meunier. 1,868,712; July 26.
Handle for rock drills. E. F. Terry. 1,888,333; Nov. 22.
Handle for shopping bags and method of making. T. J. Nestor. 1,856,353; May 3.
Handle for therapeutic lamps. E. H. Howard. Des. 87,344; July 12.
Handle for tools, Quick detachable. C. Scheuner. 1,861,363; May 31.
Handle for tweezers or the like. W. H. Pulford. Des. 87,278; June 28.
Handle for utensils, such as fly swatters and the like, Extension. F. K. Krag and J. V. Nelson. 1,885,730; Nov. 1.
Handle for vacuum cleaners. B. J. Tamarin. 1,887,173; Nov. 8.
Handle for valves and the like. J. G. Zollels. 1,878,569; Sept. 20.
Handle for vehicles and other purposes, Electrically heated. S. J. Claridge. 1,865,834; July 5.
Handle for wooden baskets. R. P. Young. 1,878,567; Sept. 20.
Handle grip. S. W. Huston. 1,877,464; Sept. 13.
Handle or similar article for an automobile vehicle, Outside door. E. S. Carlson. Des. 86,012; Jan. 19.
Handle or similar article for an automotive vehicle, Outside door. W. Schnell and E. S. Carlson. Des. 86,641; Mar. 29.
Handle or similar article for an automotive vehicle, Window regulator. E. S. Carlson. Des. 85,976–7; Jan. 12.
Handle plate for a burial casket. R. F. Henderson. Des. 88,294–6; Nov. 15.
Handle securing means for baskets and the like. W. H. Nash. 1,881,864; Oct. 11.
Handle shaft for golf clubs. G. W. Mattern. 1,851,439; Mar. 29.
Handle structure. F. W. Allen. 1,851,231; Mar. 29.
Handle structure. H. E. Woernle. 1,864,878; June 28.
Handle structure, Mop. W. Evans. 1,877,125; Sept. 13.
Handles, Making tool. B. Pepperdine. 1,883,885; Nov. 22.
Handles, Making toothbrush. F. A. Parkhurst. 1,839,699; Jan. 5.
Handling and storing, Apparatus for. P. Been. 1,874,859; Aug. 30.
Handling arrangement for furnaces. F. T. Cope and A. H. Vaughan. 1,869,468; Aug. 2.
Handling device. H. W. Lormor. 1,846,525; Feb. 23.
Handling machine. R. B. Stuckey. 1,884,356; Oct. 25.
Hangar; *See*—
Airship hangar.
Hangar and building it, Aircraft. K. Arnsteln, P. Helma and W. J. Watson. 1,841,321; Jan. 12.
Hangar for airplanes, Turret type. G. W. Williams, jr. 1,855,534; Apr. 26.
Hangar for airships, Rotatable. O. Krell. 1,848,360; Mar. 8.
Hangar for dirigibles. G. F. Essig. 1,873,562; Aug. 23.
Hangar for lighter-than-air airships, Rotatable. C. E. Giesner. 1,848,472; Mar. 8.
Hanger; *See*—
Article hanger.
Beam hanger.
Brake hanger.
Cable hanger.
Catenary hanger.
Clothes hanger.
Coat and pants hanger.
Coat and trousers hanger.
Coat hanger.
Collapsible garment hanger.
Curtain hanger.
Drapery hanger.
Dress hanger.
Drop wire hanger.
Eaves trough hanger.
Film and plate hanger.
Film hanger.
Fixture hanger.
Fur scarf hanger.
Garment hanger.
Gas meter hanger.
Hat hanger.
Meter hanger.
Photographic film hanger.
Pipe hanger.
Plumb bob hanger.
Radiator hanger.
Radiator supporting hanger.
Shade, curtain and drape hanger.
Shoe hanger.
Soffit hanger.
Spouting or gutter hanger
Suit hanger.
Swing hanger.
Trousers hanger.
Tube hanger.
Vacuum hanger.
Hanger. C. O. Akerlund. 1,877,781; Sept. 20.
Hanger. E. G. K. Anderson. 1,888,342; Nov. 22.
Hanger. A. L. Brown. 1,870,169; Aug. 2.
Hanger. A. De Falco. 1,890,370; Dec. 6.
Hanger. R. Hoffman. 1,888,168; Nov. 15.

Hanger. I. Honsowetz. 1,865,757; July 5.
Hanger. S. G. Malby. 1,877,343; Sept. 13.
Hanger. F. W. Ploss. 1,867,469; July 12.
Hanger. R. N. Robertson. 1,847,306; Mar 1.
Hanger. G. Robinson. 1,873,039; Aug. 23.
Hanger. W. M. Robinson and H. K. Rader. 1,870,651; Aug. 9.
Hanger. R. B. Shoemaker. 1,889,112; Nov. 29.
Hanger. R. Teats and S. Hughes. 1,892,413; Dec. 27.
Hanger and advertising holder. Combination book. J. H. Thornton. 1,888,748; Nov. 22.
Hanger and fastener for storm windows and the like. E. Carter. 1,849,174; Mar. 15.
Hanger and hat stand, Combined coat. E. F. Hunt. 1,888,228; Nov. 22.
Hanger and press for garments and other articles. A. A. E. Pennefather. 1,848,800; Mar. 8.
Hanger and protector, Garment. J. De Fay. 1,850,169; Mar. 22.
Hanger and supporter. A. H. Levene. 1,844,096; Feb. 9.
Hanger attachment, Garment. H. G. Bliss. 1,863,649; Jun 21.
Hanger for air-way cleaners, Hose pipe. D. B. Replogle. 1,884,870; Oct. 25.
Hanger for joints and joints, Adjustable. H. E. Schlesinger. 1,859,055; May 17.
Hanger for brake beams, Safety. J. Gayan. 1,871,980; Aug. 16.
Hanger for brooms, brushes, etc. W. T. Craven. 1,868,305; July 19.
Hanger for brooms or mops, Adjustable. C. W. Meggenhofen and J. L. Zink. 1,883,808; Oct. 18.
Hanger for clothing and the like. F. G. Whittington. 1,845,641; Feb. 16.
Hanger containing an insect repelling material, Chambered clothes. H. Diskin. 1,877,283; Sept. 13.
Hanger for draperies. J. Wittemann. 1,860,760; May 31.
Hanger for eaves troughs and the like. L. S. Irwin. 1,855,241; Apr. 26.
Hanger for floating roofs. G. T. Horton. 1,861,860; June 7.
Hanger for garments. W. L. Trowbridge. 1,842,886; Jan. 26.
Hanger for bats, garments, and the like. H. J. Cocks. 1,860,384; May 31.
Hanger for humidifier pans, Removable gravity-locking. J. W. Galloway. 1,845,083; Feb. 16.
Hanger for lavatories, sinks, and the like. C. G. Wahnsiedler. 1,858,648; May 17.
Hanger for lighting fixtures, Globe. A. R. Rheinberger. 1,877,591; Sept. 13.
Hanger for radiators, Wall. D. L. Healy. 1,848,479; Mar. 8.
Hanger for rails. L. R. Bergen. 1,846,178; Feb. 23.
Hanger for rugs and the like. J. Ruwitch. 1,863,030; June 14.
Hanger for slat shades. H. W. Pratt. 1,858,684; May 17.
Hanger for traveling cases, Folding. O. L. Books. 1,866,150; July 5.
Hanger for wearing apparel. J. H. Boye. 1,839,294; Jan. 5.
Hanger or bracket, Screen. H. B. Pascoe and A. Martin. 1,850,687; Mar. 22.
Hangers, Slotting garment. W. J. Rehrig. 1,871,823; Aug. 16.
Hank of strand material. R. K. Whittier. 1,878,306; Sept. 20.
Hanks, Apparatus for wet treatment of. F. K. Sixthor. 1,867,770; July 19.
Hardening apparatus. F. E. McCleary, K. C. Babo, and H. Harner. 1,855,621; Apr. 5.
Hardening apparatus for metal work. H. Rosenberg. 1,874,122; Aug. 30.
Hardening, quenching, and drawing furnace, Continuous. R. E. Talley. 1,888,960; Nov. 22.
Hardness testing apparatus and method. A. H. Pfund. 1,871,134; Aug. 30.
Hardness testing machine. R. B. Lewis. 1,870,415; Aug. 9.
Hardware, Builder's. E. H. Johnson. 1,851,630–1; Mar. 29.
Hardware, Double door. J. W. Crowell. 1,885,084; Oct. 25.
Hardware for revolving doors. J. W. Shields. 1,886,502; Nov. 8.
Harmonic control. W. Schäffer. 1,839,442; Jan. 5.
Harmonics in direct current systems, Method and apparatus for suppressing. E. Aubort. 1,873,952; Aug. 30.
Harmonica device for playing two or more harmonicas. J. N. Numberg. 1,884,150; Oct. 25.
Harmonica player, Coordinate. C. F. Miles. 1,851,639; Mar. 29.
Harness. A. W. Godfrey. 1,845,790; Feb. 16.
Harness, Body. J. A. Pures. 1,879,480; Sept. 27.
Harness for domestic animals, Antireaction. A. W. Larson. 1,846,218; Feb. 23.
Harness for picking sacks and the like. J. A. Brewster. 1,865,353; June 28.
Harness motion for looms. R. J. Kunath. Des. 18,616; Oct. 11.
Harness, Pack carrying. E. M. Reese. 1,871,223; Aug. 9.
Harness, Ski. T. Durmer. 1,845,588; Feb. 16.
Harness testing gauge. C. H. Wilson. 1,885,972; Nov. 1.
Harp, Jew's. H. W. Pidgeon. 1,857,400; May 10.
Harrow. A. B. Cleveland and S. W. Bailey. 1,860,923; May 31.
Harrow. E. S. Hubbard. 1,881,599; Oct. 11.
Harrow. J. S. Rodgers. 1,864,859; June 28.
Harrow. C. H. White. 1,844,533; Feb. 9.
Harrow. A. B. Wilson. 1,884,463; Oct. 25.
Harrow attachment for cultivators. E. Goeke. 1,852,407; Apr. 5.
Harrow, Disk. A. G. Pryor. 1,842,115; Jan. 19.
Harrow frame, Wheeled. J. H. Flatley. 1,861,626; June 7.
Harrow hitch. B. Brainard. 1,843,881; Feb. 2.
Harrow point, Detachable spring tooth. H. A. Steiner. 1,853,706; Apr. 12.
Harrow, Power. L. Andreasen. 1,842,060; Jan. 19.
Harrow, Rotary. F. Erickson. 1,879,666; Sept. 27.
Harrow tooth. S. Hansen. 1,887,409; Nov. 8.
Harrow, Tractor disk. A. E. W. Johnson. 1,846,489; Feb. 23.
Harrow, Washboard road. A. M. Devereux. 1,861,494; June 7.
Harrow, Wide type rotary. W. S. Graham. 1,864,301; June 21.
Harvester. J. A. E. Dupuis. 1,891,526; Dec. 20.
Harvester. P. H. Filbin. 1,887,805; Nov. 15.
Harvester. W. F. Helmkamp. 1,877,313; Sept. 13.
Harvester. P. Kane. 1,859,208; May 17.
Harvester. W. F. MacGregor. 1,877,519; Sept. 13.
Harvester. E. E. Metcalf. 1,877,931; Sept. 20.
Harvester. L. A. Paradise. 1,853,177; Apr. 12.
Harvester. J. G. Pax. 1,862,101; June 7.
Harvester. D. W. Smith. 1,859,177; May 17.
Harvester. L. H. Thoen. 1,851,410; Mar. 29.
Harvester. E. E. Wickersham. 1,891,481; Jan. 12.
Harvester. E. E. Wickersham. 1,860,519; May 31.
Harvester and potato digger, Beet. G. D. Gillespie 1,891,691; Oct. 18.
Harvester and stacker, Grain. F. D. Holst. 1,875,605; Sept. 6.
Harvester and thrasher, Combined. L. A. Paradise and E. F. Huddle. 1,846,691; Feb. 23.
Harvester and topping machine, Beet. J. W. Bright. 1,862,048; June 7.
Harvester, Automatic beet. J. J. Hannah. 1,862,399; June 7.
Harvester, Bean. W. F. Lonbeck. 1,862,226; June 7.
Harvester, Beet. W. J. Flintjer. 1,883,666; Oct. 18.
Harvester, Beet. W. C. Gookin. 1,855,549; Apr. 26.
Harvester, Beet. H. L. Malcom and H. S. Harker. 1,880,224; Oct. 4.
Harvester, Beet. T. Terada. 1,878,349; Sept. 20.
Harvester, Beet. W. E. Urschel. 1,874,837; Aug. 30.
Harvester, Combine. C. Bailor. 1,855,969; Apr. 12.
Harvester, Combine. F. J. Hanson. 1,863,691; June 21.
Harvester construction. H. W. Smith, A. D. Braasch, and N. Walton. 1,857,690; May 24.
Harvester, Corn. W. J. Coultas and N. D. Colvin. 1,852,702; Apr. 5.
Harvester, Corn. C. F. Crumb and A. Kowalsky. 1,878,830; Sept. 20.
Harvester, Corn. J. Lang. 1,887,937; Nov. 15.
Harvester, Corn. F. Madlon. 1,884,554; Apr. 19.
Harvester, Corn. J. A. Miller. 1,869,269; July 26.
Harvester, Corn. L. A. Paradise and W. J. Coultas. 1,870,420; Aug. 9.
Harvester, Cotton. S. E. Bailor. 1,843,190; Feb. 2.
Harvester, Cotton. N. L. Tharp. 1,842,737; Jan. 26.
Harvester, Cotton boll. W. C. Ray. 1,879,823; Sept. 27.
Harvester for corn and the like. A. Krieg. 1,852,314; Apr. 5.
Harvester frame. C. Christiansen. 1,883,564; Oct. 18.
Harvester knife back, Wear plate for. L. A. Paradise. 1,872,172; Aug. 16.
Harvesting machine. A. G. and A. Ronning. 1,883,402; Oct. 18.
Harvester, Pea. J. E. Love and H. D. Hume. 1,881,411; Oct. 4.
Harvester, Peanut. S. C. Faulk. 1,859,358; May 24.
Harvester, Peanut. C. H. Steere. 1,848,394; Mar. 8.
Harvester pick-up. L. H. Thoen. 1,879,959; Sept. 27.
Harvester, Prune. L. M. Holcomb. 1,865,372; June 28.
Harvester reel end guard device. H. Klocksiem. 1,839,790; Jan. 5.
Harvester, String bean. F. P. Ryder. 1,867,955; July 19.
Harvester thrasher. E. A. Johnston and C. R. Raney. 1,840,585; Jan. 12.
Harvester thrasher. C. R. Raney and A. B. Welty. 1,842,764; Jan. 26.
Harvester-thrasher, Combination. L. R. Clausen. 1,858,000; May 10.
Harvester-thrasher, Combination. W. F. MacGregor. 1,877,518; Sept. 13.
Harvester-thrasher, Combination. W. F. MacGregor. 1,877,520; Sept. 13.
Harvester-thrasher, Combined. L. H. Thoen. 1,879,960; Sept. 27.
Harvester thresher. E. A. Johnston and M. J. Mitchell. 1,888,507; Nov. 22.
Harvester, Tractor row-crop. B. R. Benjamin. 1,886,152; Nov. 1.
Harvester, Vegetable. R. D. Smith. 1,873,352; Aug. 23.
Harvester, Windrow. A. C. Lindgren. 1,844,860; Feb. 9.

Harvester, Windrow. W. F. MacGregor. 1,849,306; Mar. 15.
Harvester, Windrow. C. R. Raney. 1,859,168; May 17.
Harvesters and thrashers. Buncher attachment for combined. A. J. Breeden. 1,844,344; Feb. 9.
Harvesters, Bundle carrier for. B. R. Benjamin. 1,859,124; May 17.
Harvesters, Cearer clearer for root crop. L. E. Smith and N. C. Cuddeback. 1,846,442; Feb. 23.
Harvesters, Extension control for tractor drawn. E. F. Huddle. 1,862,186; June 7.
Harvesters, Stalk splitting attachment for corn. O. F. Carlson. 1,876,567; Sept. 13.
Harvesting apparatus. F. N. G. Kranich. 1,868,835; July 26.
Harvesting appliance, Cotton. O. H. Basquin. 1,855,405; Nov. 1.
Harvesting device. Loose ear corn and vegetable. A. Mueller. 1,859,980; May 24.
Harvesting instrumentality. W. E. Urschel. 1,869,529; Aug. 2.
Harvesting machine. C. Engelen. 1,876,137; Sept. 6.
Harvesting machine. W. L. M. Jones. 1,887,158; Nov. 8.
Harvesting machine. F. Johnson. 1,850,753; Mar. 22.
Harvesting machine. P. W. Meacham 1,848,964; Mar. 8.
Hasp. O. I. Grotte. 1,848,624; Mar. 8.
Hasp for luggage locks. O. A. Boesel. 1,842,385; Jan. 26.
Hasp lock. E. B. Stone. 1,892,289; Dec. 27.
Hat. W. W. Beach. 1,840,587; Jan. 12.
Hat. M. Constantine. Des. 87,563; Aug. 16.
Hat. J. J. Desmond. 1,865,240; June 28.
Hat. L. K. Landsberger. 1,845,757; Feb. 16.
Hat. L. Yonuck. Des. 86,343; Feb. 23.
Hat, Adjustable. J. A. Mendosa. 1,886,493; Nov. 8.
Hat and coat rack. J. C. Heifner. Des. 86,675; Apr. 5.
Hat and mailing tube the same, Apertured. A. E. Hodshon. 1,882,599; Oct. 11.
Hatband. A. Donato. 1,869,801; Aug. 2.
Hat band. H. Ridgeway. 1,842,052; Jan. 19.
Hat bearing machine, Continuous. O. Scotti. 1,850,775; Mar. 22.
Hat block. J. Buxbaum. 1,852,767; Apr. 5.
Hat block construction. H. E. Gough. 1,890,272; Dec. 6.
Hat blocking machine. G. N. Dexter. 1,846,586; Feb. 23.
Hat brims. Reenforced edge for. G. V. MacKinnon. 1,848,832; Mar. 8.
Hat cleaning and drying machine. H. Schlesinger. 1,889,761; Dec. 6.
Hat cleaning and drying mechanism. H. Geocares. 1,843,126; Feb. 2.
Hat cleaning machine. A. J. Manxi. 1,865,197; June 28.
Hat construction. E. P. Cunningham, jr. 1,848,049; Mar. 1.
Hat construction and making the same. F. H. Lee. 1,892,515; Dec. 27.
Hat display case. E. F. Thomas. 1,872,847; Aug. 23.
Hat, Garden. E. H. Marshall. Des. 87,999; Oct. 18.
Hat hanger. B. F. Grame. 1,861,341; May 31.
Hat ironing machine. L. Angelus and D. L. Baylis. 1,872,631; Aug. 16.
Hat ironing machine or the like. J. F. Doran. 1,841,345; Jan. 12.
Hat, Kit. H. H. Baker. 1,869,652; Aug. 2.
Hat making machine. I. A. Eichenbaum. 1,883,639; Oct. 18.
Hat making machinery. P. C. Donner. 1,882,003; Oct. 11.
Hat or similar article, Lady's. A. Felshin. Des. 86,116; Feb. 2.
Hat press. M. Cassé. 1,891,344; Dec. 20.
Hat pressing machine. W. J. Byrne. 1,849,071; Mar. 15.
Hat pressing machine. J. C. Kotis. 1,852,530; Apr. 5.
Hat renovating machine. G. V. Rhodes. 1,858,172; May 10.
Hat-shaping device. S. Wielgus. 1,892,090; Dec. 27.
Hat-shaping machine. M. Casse. 1,873,285; Aug. 23.
Hat size measuring device. H. W. Osborn. 1,854,860; Apr. 19.
Hat softening device. E. E. Hodshon. 1,854,308; Apr. 19
Hat stretcher. C. Schield. Des. 87,446; July 26.
Hat steaming and blocking attachment. H. Diener. 1,888,375; Nov. 22.
Hat, Straw. E. B. Bronston. Des. 85,975; Jan. 12.
Hats. Apparatus for cleaning. F. R. Kling. 1,889,688; Nov. 29.
Hats, Blocking of. A. Hands. 1,862,398; June 7.
Hats, Device to facilitate the ventilating and fitting of. B. L. Dorsey. 1,855,795; Apr. 26.
Hats, Means for hanging up. W. Pioch. 1,858,968; May 17.
Hats, Ventilating strip for. M. Popper. 1,890,407; Dec. 6.
Hats when not in use, Device for the care of. M. Hart. 1,851,510; Mar. 29.
Hatch construction for upper decks. H. H. Fliegel. 1,873,639; Aug. 23.
Hatch frames, Producing pressed steel. O. J. Nyberg. 1,891,316; Dec. 20.
Hatch, Ship's. E. Perkins. 1,877,361; Sept. 13.
Hatchet or hammer, Box-maker's. A. W. Phelps. 1,840,525; Jan. 12.
Hatter's fur carroting machine. J. Weber and J. F. Tomaino. 1,882,461; Oct. 11.

Hauling device. G. E. Nichols. 1,859,711; May 24.
Hauling mechanism. R. C. Osgood. 1,854,422; Apr. 19.
Hawk, Plasterer's. H. J. Ziemann. 1,884,491; Oct. 25.
Hay buncher. L. F. Dankenbring. 1,854,113; Apr. 12.
Hay curing and drying machine. H. Egli and S. M. Shoemaker. 1,874,473; Aug. 30.
Hay fork. J. N. Graber. 1,861,085; May 31.
Hay fork. J. S. Johnson. 1,876,422; Sept. 6.
Hay loader. T. E. Ross. 1,853,378; Apr. 12.
Hay loader. D. Senon. 1,863,505; June 14.
Hay loading machine. G. G. Bennett. 1,853,253; Apr. 12.
Hay maker. A. A. Sharples. 1,856,438; May 3.
Hay press. F. C. Berry. 1,887,557; Nov. 15.
Hay press. H. Moschel. 1,851,013; Mar. 29.
Hay press, Continuous feed. A. J. Silva. 1,843,343; Feb. 2.
Hay press discharge apparatus. C. E. Bernard. 1,863,648; June 21.
Hayrack. O. J. Kehl. 1,879,299; Sept. 27.
Hayrack. S. Pearce. 1,874,949; Aug. 23.
Hayrack clamp, Adjustable. W. F. Yeoman. 1,861,487; June 7.
Hayrake. W. J. Coultas. 1,850,384–5; Mar. 22.
Hay rake. W. F. Mottier. 1,875,349; Sept. 6.
Haystacker. G. Billings. 1,860,222; May 24.
Hay sweep and stacker, Tractor supported and operated. F. C. Doody. 1,886,655; Nov. 8.
Headbanding apparatus. W. C. Schmidt. 1,845,725; Feb. 16.
Head clamp. L. H. Mesker. 1,838,898; May 17.
Head cooling means. W. S. Fisher. 1,872,267; Aug. 16.
Head, Drinking fountain bubbler. A. G. Haws. Des. 87,920; Oct. 11.
Head, Drinking fountain bubbler. R. H. Zinkil. Des. 85,963; Jan. 5.
Head, Filling. R. B. Waite. 1,842,134; Jan. 19.
Head for beading machines. K. P. Swanson. 1,877,431; Sept. 13.
Head for opticians, Model fitting. G. F. Käpernick. 1,868,209; July 19.
Head for well casings and tubings. W. A. Rockwell and L. M. Stanfield. 1,888,637; Nov. 22.
Headgate. A. Crill. 1,855,100; Apr. 19.
Headgear. S. Bloom. 1,883,756; Oct. 18.
Headgear. I. Falkson. 1,868,281; July 19.
Headgear. A. A. Pereles. 1,859,313; May 24.
Headlamp. A. R. Lewellen. 1,871,801; Aug. 16.
Headlamp, Automobile. E. F. Sarver. 1,877,978; Sept. 20.
Headlamp construction. C. A. Michel. 1,859,673; May 24.
Headlamp, Ornamented. E. C. Albright. 1,866,693; July 12.
Headlamp, Vehicle. R. N. Falge and W. C. Brown. 1,871,505; Aug. 16.
Headlamps, Twin. O. C. Browne. 1,854,101; Apr. 12.
Headlight. C. T. Cunnius. 1,845,744; Feb. 16.
Headlight. W. E. Cummins. 1,892,265; Dec. 27.
Headlight. H. E. Drury. 1,855,796; Apr. 26.
Headlight. B. B. Fortney. 1,883,359–61; Oct. 18.
Headlight. F. C. Hathaway. 1,878,632; Sept. 20.
Headlight. A. J. Matter. 1,888,995; Nov. 29.
Headlight. J. B. McMenamin. 1,871,629; Aug. 16.
Headlight. G. W. O'Brien. 1,871,551; Aug. 16.
Headlight. J. Pucunas. Des. 86,934; May 10.
Headlight. A. B. Rashland. 1,841,316; Jan. 12.
Headlight. W. E. Richens. 1,852,157; Apr. 5.
Headlight. W. E. Richard. 1,852,791; Apr. 5.
Headlight. W. H. Stead. 1,852,222; Apr. 5.
Headlight. O. Werner. Des. 88,447; Nov. 29.
Headlight adjusting device. E. Jenkins. 1,847,652; Mar. 1.
Headlight and switch. J. S. Beltz. 1,882,745; Oct. 18.
Headlight attachment. P. E. Bricker. 1,874,432; Aug. 30.
Headlight, Automobile. F. R. Dudley. 1,875,573; Sept. 6.
Headlight, Automobile. G. R. Ehlers. 1,864,418; June 21.
Headlight, Automobile. R. A. Russell, jr. 1,861,883; June 7.
Headlight, Depressible beam. S. F. Arbuckle. 1,833,533; Apr. 12.
Headlight dimmer. P. E. Woodroffe. 1,866,440; July 5.
Headlight dimming device, Automobile. D. Brown. 1,867,648; July 19.
Headlight, Dirigible. J. M. Calkins. 1,841,786; Jan. 19.
Headlight, Dirigible. T. C. Freeberg. 1,882,415; Oct. 11.
Headlight, Dirigible. L. E. Swenson. 1,855,654; Apr. 26.
Headlight for automobiles and the like. Nondazzling. D. Berg. 1,887,574; Nov. 15.
Headlight for motor cars. A. B. Prudhomme. 1,842,880; Jan. 26.
Headlight for motor vehicles. N. M. Gage. 1,883,681; Oct. 18.
Headlight for motor vehicles. H. F. Rummel. 1,848,550; Mar. 8.
Headlight for motor vehicles. G. Wallstab. 1,859,854; May 24.
Headlight for motor vehicles, Dirigible. B. Castiglia. 1,860,233; May 24.
Headlight for vehicles, Automatically turning. D. Russo. 1,866,324; July 5.
Headlight indicator. A. C. Furo. 1,874,179; Aug. 30.
Headlight, Locomotive. W. M. Cloninger. 1,845,399; Feb. 16.

Headlight mounting for automobiles. C. W. Van Raust. 1,861,463; June 7.
Headlight set. M. K. Eckert. 1,880,919; Oct. 4.
Headlight signal. W. Brubacher. 1,867,493; July 12.
Headlight-tester. A. R. Squyer. 1,887,524; Nov. 15.
Headlight, Vehicle. G. Dent. 1,848,326; Mar. 8.
Headlight, Vehicle. C. R. Scheidell. 1,849,695; Mar. 15.
Headlights, Attachment for. T. J. H. Peirce. 1,891,553; Dec. 20.
Headlights for vehicles. F. Wacker, H. Blum, H. Greisinger, and F. R. Dietrich. 1,861,199; May 31.
Head mound with roller bearing gib. D. C. Klausmeyer and A. M. Sosa. 1,881,675; Oct. 11.
Head of a cane or similar article. C. H. Dudley. Des. 87,509; Aug. 16.
Head rest. R. C. Angell. 1,863,319; June 14.
Head rest. G. H. Browne. 1,885,507; Nov. 1.
Headrest. W. J. Heintz. 1,844,576; Feb. 9.
Head rest. M. A. Montenegro. 1,855,408; Apr. 26.
Headrest, Adjustable. T. W. Mitchell. 1,869,765; Aug. 2.
Headrest, Adjustable. A. R. Schwarzkopf. 1,860,058; May 24.
Headrest, Combined sinus and mastoid. D. M. Ghrist. 1,857,503; May 10.
Headrest for chairs, Sanitary. E. B. Clearwater. 1,891,970; Dec. 27.
Headrest for coffins. M. E. Overstreet. 1,841,845; Jan. 19.
Headrest for telephones. E. Königsberger. 1,866,043; July 5.
Head-stock for machine tool. S. W. Bath. 1,891,220; Dec. 20.
Headwear, Knitted. L. H. Ensten. 1,842,513; Jan. 26.
Header channel or weather strip. E. G. Simpson and R. Beynon. 1,853,467; Apr. 12.
Header joint. R. M. Harris. 1,883,900; Oct. 25.
Header strip. R. Brenn. 1,850,696; Oct. 4.
Hearing device. C. Fensky. 1,884,638; Oct. 25.
Hearse, Side loading. F. Thomas. 1,845,570; Feb. 10.
Hearth for oil burning furnaces. M. A. Powers. 1,842,049; Jan. 19.
Heat absorber for electric lamps. L. Appleman. Des. 86,903; May 10.
Heat absorbing means for sheet glass apparatus. J. L. Drake. 1,841,716; Jan. 19.
Heat and sound insulating board and block. L. E. Armstrong. 1,875,362; Sept. 6.
Heat and sound insulating products, Apparatus for making. W. K. Nelson. 1,875,644; Sept. 6.
Heat, Apparatus for the extraction of. J. F. Wait. 1,845,690; Feb. 16.
Heat, Apparatus for utilizing solar. C. G. Abbot. 1,858,815; Apr. 26.
Heat, Apparatus for utilizing solar. W. L. R. Emmet. 1,880,938; Oct. 4.
Heat apparatus, Radiant. R. Barton. 1,891,039; Dec. 13.
Heat application and equipment therefor. W. A. Darrah. 1,885,418; Nov. 1.
Heat barrier. S. L. G. Knox. 1,840,588; Jan. 12.
Heat by electricity, Apparatus for developing. A. S. Williams. 1,857,533; May 10.
Heat conditions in glass furnaces, Control of. E. Gentil. 1,892,462; Dec. 27.
Heat conducting tube. T. E. Murray. 1,844,407; Feb. 9.
Heat conserver. E. Humphreville. 1,881,606; Oct. 11.
Heat control apparatus. W. L. Merrill. 1,869,161; July 26.
Heat control device. B. H. Cox and H. I. Snow. 1,883,766; Oct. 18.
Heat control, Electric. W. H. McCall. 1,859,927; May 24.
Heat control for wax carbonizing presses. G. Á. Rutkoskie. 1,865,445; July 5.
Heat control, Manifold. F. F. Kishline. 1,891,768; Dec. 20.
Heat control mechanism. C. H. Kirby. 1,881,671; Oct. 11.
Heat control mechanism, Remote. R. H. Maurer. 1,881,807; Oct. 11.
Heat control, Vacuum operated. C. H. Kirby. 1,853,623; Apr. 12.
Heat convector. R. S. Wentworth. 1,888,545; Nov. 22.
Heat, Device for utilizing waste. G. S. Pierce and E. S. Chittum. 1,863,352; June 14.
Heat dissipating device for refrigerating apparatus. H. B. Hull. 1,883,921; Oct. 25.
Heat distributor plate. F. V. Detwiler. 1,864,715; June 28.
Heat-energy system. J. J. Grebe. 1,889,586; Nov. 29.
Heat engine. H. F. Smith. 1,870,563; Sept. 27.
Heat equalizer for burners. K. O. Wetzel. 1,867,957; July 19.
Heat exchange. W. H. Armacost. 1,866,388; July 5.
Heat exchange air circulating unit. J. H. Holton. 1,843,817; Feb. 2.
Heat exchange apparatus. H. H. Dow. 1,846,955; Feb. 23.
Heat exchange apparatus. W. D. La Mont. 1,850,281; Mar. 22.
Heat exchange apparatus. A. B. Modine. 1,851,720; Mar. 29.
Heat exchange apparatus. A. B. Modine. 1,884,094; Oct. 25.
Heat exchange apparatus. J. A. Potter. 1,884,209; Oct. 25.
Heat exchange apparatus. R. S. Riley. 1,859,573; May 24.
Heat exchange apparatus for heating or cooling fluids. J. G. McKean and R. F. Jones. 1,891,434; Dec. 20.
Heat exchange article. G. Shoop. 1,877,068; Sept. 13.
Heat exchange device. J. E. Black. 1,882,474; Oct. 11.
Heat exchange device. C. B. Dulzell. 1,842,389; Jan. 26.
Heat exchange device. H. Feldmeier. 1,840,573; Jan. 12.
Heat exchange device. H. Feldmeier. 1,868,698; July 26.
Heat exchange device. H. Feldmeier and L. Rosenfeld. 1,840,495; Jan. 12.
Heat exchange device. H. Feldmeier and W. Astle. 1,845,256; Feb. 16.
Heat exchange device. A. Hall-Brown and E. W. Jones. 1,850,378; Mar. 22.
Heat exchange device. A. B. Modine. 1,849,946; Mar. 15.
Heat exchange device. A. B. Modine. 1,872,785; Aug. 23.
Heat exchange device. A. B. Modine. 1,875,639; Sept. 6.
Heat exchange device. A. B. Modine. 1,884,095; Oct. 25.
Heat exchange device. A. B. Modine. 1,884,097; Oct. 25.
Heat exchange device. A. B. Modine. 1,884,099; Oct. 25.
Heat exchange device. S. A. Morrison. 1,874,578; Aug. 30.
Heat exchange device. M. S. Smith. 1,854,278; Apr. 19.
Heat exchange device. O. M. Wermich. 1,851,027; Mar. 29.
Heat exchange device, Cast. A. B. Modine. 1,884,098; Oct. 25.
Heat exchange mechanism. F. M. Reed. 1,874,803; Aug. 30.
Heat exchange method and apparatus. D. H. Killeffer. 1,870,684; Aug. 9.
Heat exchange unit. A. S. Limpert. 1,862,154; June 7.
Heat exchange unit. A. B. Modine. 1,865,536; July 5.
Heat exchange unit, Concealed. E. H. Seelert. 1,859,056; May 17.
Heat exchange wall for containers. R. Samesreuther and G. Krämzlein. 1,841,762; Jan. 19.
Heat exchanger. W. H. Armacost. 1,844,308; Feb. 9.
Heat exchanger. C. F. Beran. 1,884,532; Oct. 25.
Heat exchanger. F. Boehm. 1,868,271; July 19.
Heat exchanger. L. Brewer. 1,855,618; May 3.
Heat exchanger. S. Brown and J. Price. 1,868,657; July 26.
Heat exchanger. V. M. Chatfield. 1,876,401; Sept. 6.
Heat exchanger. H. S. Colby. 1,845,239; Feb. 16.
Heat exchanger. F. X. J. A. Delas. 1,891,705; Dec. 20.
Heat exchanger. C. G. Gutmann. 1,884,477; Apr. 26.
Heat exchanger. O. W. Heimberger. 1,868,661; July 26.
Heat exchanger. H. W. How. 1,862,310; June 7.
Heat exchanger. G. T. Jacocks and J. L. Krieg. 1,855,552; Apr. 26.
Heat exchanger. R. C. Jones. 1,886,403; Nov. 8.
Heat exchanger. C. W. Metzger. 1,868,639; July 26.
Heat exchanger. E. J. Parent. 1,852,363; Apr. 5.
Heat exchanger. E. J. Parent. 1,879,453; Sept. 27.
Heat exchanger. J. A. Potter. 1,884,210; Oct. 25.
Heat exchanger. Price. 1,873,142; Aug. 20.
Heat exchanger. J. Price and K. B. Ris. 1,842,945; Jan. 26.
Heat exchanger. W. J. Ryan. 1,874,360; Aug. 30.
Heat exchanger. C. O. Sandstrom. 1,875,663; Sept. 6.
Heat exchanger. J. H. Schacht and D. A. Palmiter. 1,882,744; Oct. 4.
Heat exchanger. E. G. Sullivan. 1,852,489–90; Apr. 5.
Heat exchanger. A. R. Thomas. 1,880,533; Oct. 4.
Heat exchanger. J. L. Turner and J. G. Russell. 1,857,892; May 10.
Heat exchanger. F. L. Wagar. 1,863,678; June 21.
Heat exchanger. C. R. Wagner. 1,850,429; Mar. 22.
Heat exchanger. F. W. White. 1,863,586; June 21.
Heat exchanger baffle. W. S. Ogilvy. 1,884,156; Oct. 25.
Heat exchanger, Concealed radiation. C. M. Ashley. 1,876,547; Sept. 13.
Heat exchanger for refrigerating machines and the like. G. H. Pelps. 1,846,608; Feb. 23.
Heat exchanger, Rotary. J. M. LeGrand. 1,869,855; Aug. 2.
Heat exchanger unit. W. L. Rifenberick and C. O. Sandstrom. 1,862,077; June 7.
Heat exchanges, Method and apparatus for. S. H. Hulse. 1,877,322; Sept. 13.
Heat exchanging apparatus. A. H. Davis, jr. 1,840,836; Jan. 12.
Heat exchanging apparatus. R. J. Watt. 1,851,881; Mar. 29.
Heat for therapeutic and other purposes, Apparatus for applying. A. Pot. 1,875,261; Aug. 30.
Heat from blown off boiler products, Method of and apparatus for utilizing. B. F. Phelps. 1,857,865; May 10.
Heat from waste water, Apparatus for recovering. A. T. Shepherd and D. E. Sergeant. 1,889,156; Nov. 29.
Heat in high pressure reactions, Supplying. C. Krauch and M. Pier. 1,857,814; May 10.
Heat indicator. A. R. Lewellen. 1,871,802; Aug. 16.
Heat indicator. J. Zubaty and J. E. Eshbaugh. 1,862,994; June 14.
Heat indicator, Motor. R. T. Hurley. 1,871,527; Aug. 16.

Heat insulated refractory for molten glass containers. K. E. Feller, 1,891,604; Dec. 20.
Heat insulating construction. V. K. Snell, 1,845,353; Feb. 16.
Heat insulating material. M. M. Frost. 1,849,369; Mar. 15.
Heat insulating material, Waterproofed. A. B. Merrill. 1,858,680; May 17.
Heat insulating panel for drier housings and the like. W. Dreisel, 1,853,803; Apr. 12.
Heat insulating structure. W. J. Moss. 1,856,881; May 3.
Heat insulation. E. Schmidt. 1,890,418; Dec. 6.
Heat insulation. E. H. Wenzel and M. P. Janisch. 1,888,841; Nov. 22.
Heat insulation material, Cellular. A. H. Flower and J. C. Housekeeper, 1,871,974; Aug. 16.
Heat interchanger, Automobile seat. L. B. Sawyer. 1,860,752; May 31.
Heat interchanger. A. Huet. 1,849,874; Mar. 15.
Heat interchanger. R. H. Kelley. 1,840,510; Jan. 12.
Heat interchanger. G. H. Phelps. 1,886,498; Nov. 8.
Heat interchanger. F. M. Young. 1,861,676; June 7.
Heat interchangers, Method and apparatus for making. G. R. Auld. 1,884,964; Oct. 25.
Heat, light, and power system. S. E. Test. 1,852,273; Apr. 5.
Heat, Method and apparatus for the measurement of. A. Blackie. 1,868,023; July 26.
Heat, Method and apparatus for utilizing waste. C. Lorenz. 1,849,449; June 21.
Heat motor. L. M. Persons. 1,885,285; Nov. 1
Heat pad for molding compounds. M. Segal. 1,859,991; May 24.
Heat plastic composition and making same. H. L. Fisher. 1,890,903; Dec. 13.
Heat radiating device. H. E. Whitten. 1,845,773; Feb. 16.
Heat radiating device for gas furnaces. W. G. Haskell, jr. 1,862,926; June 14.
Heat reclaimer. W. Bonslett. 1,892,232; Dec. 27.
Heat reclaiming apparatus. G. W. Schwab. 1,844,604; Feb. 9.
Heat recoverer. K. Toensfeldt. 1,843,252; Feb. 2.
Heat recuperation. H. O. Loebell. 1,867,163; July 12.
Heat reducing structure for explosive engines. W. G. Hermsmeyer. 1,857,303; May 10.
Heat regulating system. H. D. Colman. 1,844,841; Feb. 9.
Heat regulator for leers. V. Mulholland and W. T. Honiss. 1,866,166; July 5.
Heat regulator, Multioven. W. E. Schirmer. 1,878,332; Sept. 20.
Heat regulator, Time controlled. M. O. Snediker. 1,879,772; Sept. 27.
Heat removal by mercury, Apparatus for. A. J. Nerad. 1,866,367; July 5.
Heat responsive unit, Automatic. A. C. Rowley. 1,891,183; Dec. 13.
Heat saver. W. A. Hodgins. 1,871,322; Aug. 9.
Heat of the ferrous ingot, Electrically conditive cores, Applying. F. M. Potter. 1,876,745; Sept. 13.
Heat transfer. J. F. Wait. 1,847,542; Mar. 1
Heat transfer apparatus. E. M. Bassler. 1,860,125; May 24.
Heat transfer apparatus. G. C. Derry. 1,883,769; Oct. 18.
Heat transfer apparatus. H. J. Gebhardt. 1,841,528; Jan. 19.
Heat transfer apparatus. E. F. Miller. 1,884,080; Oct. 25.
Heat transfer apparatus. C. Stancliffe. 1,868,436; July 19.
Heat transfer apparatus, Scale shedding. S. Brown. 1,884,555; Oct. 25.
Heat transfer device. H. G. Chatain. 1,890,108; Dec. 6.
Heat transfer device. C. E. Locke. 1,890,185-6; Dec. 6.
Heat transfer device. F. G. Slagel. 1,869,174; July 26.
Heat transfer device. H. E. Smith. 1,891,058; Dec. 13.
Heat transfer, Method and apparatus for. M. D. Mann, jr. 1,858,940; July 26.
Heat transfer system and method. F. B. Hunt. 1,843,026; Jan. 26.
Heat transfer system, Fluid. C. G. Munters. 1,882,026; Oct. 11.
Heat transfer unit. E. M. Bassler. 1,840,651; Jan. 12.
Heat, Transferring. J. R. Wait. 1,886,436; Nov. 8.
Heat transmitter. C. Levinsen. 1,874,054; Aug. 30.
Heat treating apparatus. E. A. Lange. 1,851,913; Mar. 29.
Heat treating apparatus. J. L. McFarland. 1,848,898; Mar. 8.
Heat treating apparatus. G. Schwab. 1,890,431; Dec. 6.
Heat treating, Apparatus for. P. L. Geer. 1,867,941; July 19.
Heat treating edible substances. O. H. Hansen. 1,857,450; May 10.
Heat-treating furnace. W. E. Blythe. 1,843,440; Feb. 2.
Heat treating furnace. P. P. Cioffi. 1,880,806; Oct. 4.
Heat treating furnace. F. T. Cope. Re18,668; Nov. 29.
Heat treating furnace. C. I. Hayes. 1,849,714; Mar. 15.
Heat treating iron sulphide material. S. W. Yates. 1,878,226; Sept. 20.
Heat treating machine. J. Beble and C. W. Hodde. 1,868,812; July 26.
Heat treating materials. F. C. Greene. 1,890,662; Dec. 13.
Heat treating, Metallurgical. J. Kohlmeyer. 1,844,428; Feb. 9.
Heat treating objects, Apparatus for. F. A. Fahrenwald. 1,872,713; Aug. 23.
Heat treating sheet metal, Method and apparatus for. P. A. Meehan. 1,890,065; Dec. 6.
Heat treating steel. E. S. Lawrence. 1,853,439; Apr. 12.
Heat treating strip material. H. S. Lamb. 1,870,577; Aug. 9.
Heat treatment, Automatically timed apparatus for. G. Browning. 1,870,170; Aug. 2.
Heat treatment. Clinker. H. M. Larmour and S. C. Pierce, jr. 1,849,492; Mar. 15.
Heat treatment mechanism. J. A. Kinney. 1,852,528; Apr. 5.
Heat treatment, Method and apparatus for. R. J. Teetor. 1,851,738; Mar. 29.
Heat treatment of copper ores or the like. T. J. Taplin. 1,865,153; June 28.
Heat treatment of metals or alloys, Apparatus for the continuous. W. S. Smith and C. V. H. Garnett. 1,881,331; Oct. 11.
Heat treatment of piezo-electrical-crystal sections. J. A. Lavalice. 1,848,893; Mar. 8.
Heat treatment of rails. E. F. Kenney. 1,846,684; Feb. 23.
Heat treatment of signaling conductors. V. E. Legg. 1,850,578; Apr. 22.
Heat treatment of steel rails and shapes. J. Brunner. 1,882,115; Oct. 11.
Heat treatment of strong aluminum alloys. N. V. Hybinette. 1,858,092; May 10.
Heat treatment of sugar solutions either completely or partly crystallized, Apparatus for the. R. Bonath. 1,868,406; July 19.
Heat treatment system. H. E. Koch and M. Lowe. 1,884,748; Oct. 25.
Heated cushion. W. J. Kirk. 1,881,198; Oct. 4.
Heated water gauge. V. C. Jones. 1,874,302; Aug. 30.
Heater: *See—*
Air heater.
Automobile heater.
Brooder heater.
Concealed heater.
Counter heater.
Deaerating water heater.
Electric air heater.
Electric fluid heater.
Electric heater.
Electric wall heater.
Electrical heater.
Electrolytic heater.
Engine heater.
Feed water heater.
Filter unit heater.
Fluid heater.
Fuel burning heater.
Gas burning heater.
Gas heater.
Gas water heater.
Glass heater.
Hot water heater.
Immersion heater
Liquid conductor heater.
Liquid heater.
Manifold heater.
Manila hemp heater.
Oil heater.
Oil well heater.
Orchard heater.
Portable heater.
Portable hot water heater.
Roll heater.
Safety heater.
Shoe heater.
Solar heater.
Solar water heater.
Space heater.
Steam compress heater.
Tank car heater.
Tubular heater.
Vehicle heater.
Vulcanizing heater.
Watch case heater.
Watchcase heater.
Water heater.
Windshield heater.
Heater. E. A. Allbert. 1,850,194; Mar. 22.
Heater. A. H. Bates. 1,853,331; Apr. 12.
Heater. G. Bluemel. 1,863,391; June 14.
Heater. H. Bonat. 1,839,369; Jan. 5.
Heater. J. L. Breese, jr. 1,886,891; Nov. 1.
Heater. J. L. Breese, jr. 1,886,156; Nov. 1.
Heater. J. H. Carmean. 1,866,840; July 12.
Heater. L. H. Collizan. 1,880,358; Oct. 4.
Heater. E. A. Dowdy. 1,858,003; May 10.
Heater. A. E. Fellner. Des. 86,833; Apr. 26.
Heater. W. A. Finley. 1,891,591; Dec. 20.
Heater. P. H. Hamilton. 1,852,157; Apr. 5.
Heater. L. C. Huff. 1,881,275; Oct. 4.
Heater. E. Johnson. 1,852,117; Apr. 5.
Heater. L. Lee and H. H. Hamilton. 1,851,851; Mar. 29.
Heater. H. McKinnie. 1,852,889; Apr. 5.
Heater. E. Miller. 1,867,519; July 12.
Heater. T. and J. Ray. 1,848,197; Mar. 8.
Heater. F. Storms. 1,841,557; Jan. 19.
Heater. F. T. Williams and H. E. Ellis. 1,873,695; Aug. 23.
Heater. K. K. Wright. 1,863,781; June 21.
Heater and baking oven, Combined fluid. G. Surprenant. 1,888,249; Nov. 22.
Heater and cleaner for internal combustion engines, Combined air. O. Boden. 1,853,892; Apr. 12.
Heater and deflector therefor, Automobile. C. H. Will. 1,858,418; May 24.
Heater and deflector therefor, Automobile. C. H. Will. 1,880,020; Oct. 4.
Heater and heat control device, Vehicle. A. B. Modine. 1,887,035; Nov. 8.
Heater and making the same, Air. C. A. Bulkeley. 1,841,361; Jan. 19.
Heater and vaporizer, Fuel. J. C. Ryan and W. W. Smith. 1,887,044; Nov. 8.
Heater and ventilator, Unit. E. L. Anderson. 1,889,588; Nov. 29.

Heater and windshield warmer, Combined automobile. W. A. Tibbetts. 1,884,389; Oct. 25.
Heater appliance, Water. F. A. Gauger and R. W. Johnson. 1,850,741; Apr. 26.
Heater arrangement for indirectly heated cathodes. H. L. Crowley. 1,875,222; Aug. 30.
Heater assembly. J. C. Nichols. 1,843,295; Feb. 2.
Heater assembly of aluminum or the like, Welded. C. A. Bulkeley. 1,871,256; Aug. 9.
Heater attachment. D. T. Wright. 1,871,290; Aug. 9.
Heater attachment and removal mechanism, Immersion. S. T. Williams. 1,875,306; Aug. 30.
Heater baffle. Water. A. D. Crary. 1,875,856; Sept. 6.
Heater construction. T. E. Landvoigt. 1,850,678; Mar. 22.
Heater construction. L. E. Lawson. 1,843,726; Feb. 2.
Heater construction for intake manifolds. C. H. Kirby. 1,841,740; Jan. 19.
Heater control. G. D. Barker. 1,854,289; Apr. 19.
Heater, Electric. M. Krajac. 88,234; Nov. 8.
Heater element. T. H. Ireland. 1,887,205; Nov. 8.
Heater element. R. H. Sinden. 1,870,968; Aug. 9.
Heater element for electron emission devices. J. H. Ramage. 1,871,343; Aug. 9.
Heater element for permanent waving of hair. B. F. Jancke. 1,857,639; May 10.
Heater for aeroplanes, Wing. W. H. Crossland. 1,876,620; Sept. 13.
Heater for airplane wings. A. F. Thompson. 1,868,468; July 19.
Heater for automobiles. W. J. Wade. 1,860,517; May 31.
Heater for automobiles, Window. X. Y. Zuhlke and R. B. Jordan. 1,861,333; May 31.
Heater for boilers, Feed water. E. R. Harvey. 1,855,518; Apr. 26.
Heater for cooling liquids of internal combustion engines. F. R. Kentz. 1,871,767; May 10.
Heater for electron discharge devices. H. L. Crowley. 1,889,884; Dec. 6.
Heater for hair waving apparatus. E. F. Suter. 1,854,529; Apr. 19.
Heater for insulators. A. O. Austin. 1,856,123-5; May 3.
Heater for internal combustion engines, Oil and water. R. M. Meserve. 1,848,188; Mar. 8.
Heater for liquid cooling systems of internal combustion engines. F. R. Kentz. 1,871,008; Aug. 9.
Heater for liquids. A. T. Ward. 1,891,534; Dec. 20.
Heater for mixers for concrete and the like. P. F. Stary. 1,875,516; Sept. 6.
Heater for motor vehicles. A. H. Bates. 1,853,333; Apr. 12.
Heater for oil tanks. A. G. P. Zerwer. 1,892,197; Dec. 27.
Heater for permanent wave machines. W. G. Shelton. 1,883,828; Oct. 18.
Heater for permanent waving. J. Sguerso. 1,884,890; Oct. 25.
Heater for traveling stock. E. F. Northrup. 1,862,120; June 7.
Heater for truck tanks. O. N. Gredell. 1,850,546; Mar. 22.
Heater for use with automobiles, Electric. O. L. and S. M. Reed and A. F. Harrison. Re18,454; May 3.
Heater for water and other purposes, Automatic. F. E. White and A. Ruttiman. 1,891,855; Dec. 20.
Heater for water cooled engines. K. H. Bowen. 1,855,512; Apr. 26.
Heater mixer, Oscillatory. F. D. Chapman. 1,844,347; Feb. 9.
Heater, Portable hot water. L. Emans. 1,884,634; Oct. 25.
Heater suitable for gaseous fluids. A. Folliet and N. Sainderichin. 1,891,879; Dec. 20.
Heater terminal, Tubular. C. B. Backer. 1,857,614; May 10.
Heater unit. M. O. Jennings. 1,871,271; Aug. 9.
Heater unit for cathodes of vacuum tubes and producing same. W. J. Skinner. 1,858,063; May 10.
Heaters, Emergency float control for oil. H. I. Platt. 1,858,557; May 17.
Heaters of deposited material, Scavenging tubular. G. D. White. 1,857,904; May 10.
Heaters, Method and apparatus for effecting automatic adjustments of thermostatically controlled. W. J. Crowell. 1,865,502; July 5.
Heating a conductive body. E. L. Bailey. 1,873,808; Aug. 23.
Heating and air circulating apparatus. A. R. and G. D. Hinton. 1,839,688; Jan. 5.
Heating and cleaning apparatus. F. W. Ofeldt. 1,855,866; Apr. 26.
Heating and cooking device for automobiles, Water W. L. Davey. 1,866,015; July 5.
Heating and cooling apparatus. F. E. Hartmann. 1,866,803; July 12.
Heating and cooling apparatus. M. Warren. 1,845,691; Feb. 16.
Heating and cooling system, Engine. H. C. Frentzel, jr. 1,873,879; Aug. 23.
Heating and cooling system for railway cars, Combined. J. Van Vulpen and E. A. Russell. 1,884,408; Oct. 25.
Heating and ventilating apparatus. J. C. Miles. 1,870,261; Aug. 9.
Heating and ventilating apparatus. M. O. Sneditker. 1,866,178; July 5.
Heating and ventilating apparatus. J. L. Waterbury. 1,875,685; Sept. 6.
Heating and ventilating apparatus, Automobile. A. B. Modine. 1,873,637; Sept. 6.
Heating and ventilating apparatus, Unit. H. C. Davis and L. D. Harnett. Re18,235; Jan. 19.
Heating and ventilating system. F. B. Parks. 1,870,020; Aug. 2.
Heating and ventilating unit. E. H. Cox. 1,845,243; Feb. 16.
Heating and ventilating unit. W. Shurtleff. Re18,374; Mar. 1.
Heating and ventilating unit. W. Shurtleff. 1,871,225; Aug. 9.
Heating and ventilating unit. M. O. Sneditker. Re18,528; July 12.
Heating and welding, Apparatus for electric. F. L. Sessions. 1,842,461; Jan. 26.
Heating apparatus. S. S. Beman. 1,839,461; Jan. 5.
Heating apparatus. I. T. Bennett. 1,890,667; Dec. 13.
Heating apparatus. W. A. Bollinger. 1,855,566; Apr. 26.
Heating apparatus. H. E. Campbell. 1,867,807; July 19.
Heating apparatus. H. R. and G. A. Humphrey. 1,843,450; Feb. 2.
Heating apparatus. I. C. Jennings. 1,860,930; May 31.
Heating apparatus. A. F. Krause. 1,880,178; Sept. 27.
Heating apparatus. R. S. Latimer. 1,869,939; Aug. 2.
Heating apparatus. A. B. Modine. 1,853,314; Apr. 12.
Heating apparatus. A. B. Modine. 1,854,213; Apr. 19.
Heating apparatus. A. B. Modine. 1,884,100; Oct. 25.
Heating apparatus. A. B. Modine. 1,885,371; Nov. 1.
Heating apparatus. H. R. Moff. 1,851,962; Mar. 29.
Heating apparatus. A. E. Munkel. 1,877,421; Sept. 13.
Heating apparatus. W. O. Sarson. 1,853,601; Apr. 12.
Heating apparatus. M. Warren. 1,860,639; May 31.
Heating apparatus. M. Zippler, jr. 1,843,310; Feb. 2.
Heating apparatus and method. A. E. Nash and J. S. Alcorn. 1,888,804; Nov. 22.
Heating apparatus, Automobile. F. Gilbert. 1,864,901; June 28.
Heating apparatus, Electrical. H. N. Shaw. 1,873,053; Aug. 23.
Heating apparatus, especially such forming parts of chemical plants, Method of and plant for. E. Koenemann. 1,845,289; Feb. 16.
Heating, Apparatus for. J. O. James. 1,877,764; Sept. 20.
Heating apparatus for automotive vehicles. V. J. Butterfield. 1,879,072; Sept. 27.
Heating apparatus for automotive vehicles. H. Rose. 1,858,322; Apr. 12.
Heating apparatus for automotive vehicles. F. B. Wines. 1,850,482; May 24.
Heating apparatus for automotive vehicles. F. B. Wines. 1,876,268; Sept. 6.
Heating apparatus for automotive vehicles. F. B. Wines. 1,880,630; Oct. 4.
Heating apparatus for fluid circulation systems. O. H. Wahlin. 1,850,025; Dec. 6.
Heating apparatus with heat-storage body. M. Nitesco. 1,887,779; Nov. 15.
Heating appliance. A. B. Modine. 1,886,894; Nov. 8.
Heating appliance, Electric. H. N. Shaw. 1,844,906; Feb. 9.
Heating attachment, Bottle. E. Biancalana. 1,887,280; Nov. 8.
Heating automobile motors, Device for. R. B. Goodwin. 1,892,571; Dec. 27.
Heating bag. F. Marshall. 1,891,001; Dec. 13.
Heating boiler. L. S. Wagle. 1,852,382; Apr. 5.
Heating by steam. I. C. Jennings. 1,851,434; Mar. 29.
Heating by steam. F. I. Raymond. 1,886,222; Nov. 1.
Heating-control, Selective. A. H. Nero. 1,848,966; Mar. 8.
Heating, cooling, and regulating the temperature of buildings, Apparatus for. F. F. von Wilmowsky. 1,856,797; May 3.
Heating device. R. P. Clarkson. 1,886,645; Nov. 8.
Heating device. A. M. Duttweiler. 1,840,838; Jan. 12.
Heating device. E. G. Klock. 1,847,951; Mar. 1.
Heating device. E. E. Lee. 1,851,722; Oct. 11.
Heating device. W. D. Madison. 1,888,790; Nov. 22.
Heating device. A. B. Modine. 1,861,812; June 7.
Heating device. A. B. Modine. 1,866,122; July 5.
Heating device. A. B. Modine. 1,884,096; Oct. 25.
Heating device. A. B. Modine. 1,885,751; Nov. 1.
Heating device. E. Reich. 1,859,004; May 17.
Heating device. B. Skirovsky. 1,880,291; Oct. 4.
Heating device. J. H. Vernet. 1,888,400; Nov. 22.
Heating device, Adjustable induction. T. H. Long. 1,861,869; June 7.
Heating device, Electrical. J. H. Gaetje and A. E. Santschi. 1,866,097; July 5.
Heating device for concrete plants. R. W. Fierch. 1,867,310; July 12.
Heating device for curling tongs, Electrical. A. Rehm. 1,884,232; Oct. 25.
Heating device for leers. J. Sylvester. 1,868,856; July 26.
Heating device for the windshields of motor vehicles. W. H. Heaton. 1,868,142; July 19.
Heating device, Regenerative. N. R. Forssblad. 1,864,724; June 28.
Heating device, Regenerative. E. P. and E. H. Kignell. 1,858,508; May 17.

Heating device, Windshield. F. Pitrella. 1,870,923; Aug. 9.
Heating, drying, and ventilating system. J. C. Stillman. 1,849,947; Feb. 16.
Heating element. W. Noble. 1,881,881; Oct. 11.
Heating element. W. R. J. Woock. 1,866,755; July 12.
Heating element and support therefor. S. Christy. 1,872,407; Aug. 16.
Heating element. Electric resistance. E. Stranszky. 1,889,629; Aug. 2.
Heating element, Electrical. C. T. Johnson. 1,842,174; Jan. 19.
Heating element for utensils, Electrical. A. F. Larsen. 1,878,784; Sept. 20.
Heating element structure and making the same. P. Gray. 1,890,780; Dec. 13.
Heating for bath rooms, Concealed. R. W. Catto. 1,854,578; Apr. 19.
Heating furnace. J. Beans. 1,859,760; May 24.
Heating furnace. A. L. Culbertson. Re18,471; May 17.
Heating furnace. P. Frantz. 1,873,570; Aug. 23.
Heating furnace. N. G. Holland. 1,858,156; May 10.
Heating furnace, Noxoxidizing. R. D. Pike, B. F. Little, and E. W. Carroll. 1,843,336; Feb. 2.
Heating furnace, Object. W. E. Wunderlich. 1,872,210; Aug. 16.
Heating furnace, Regenerative. G. H. Isley. 1,852,306; Apr. 5.
Heating, High temperature indirect. T. Grisfold, jr. 1,877,762; Sept. 20.
Heating, Inductive. H. Neuhauss. 1,845,322; Feb. 16.
Heating muffles, retorts, and the like. F. Bredel. 1,885,583; Nov. 1.
Heating pad. A. A. Arnold. Des. 87,187; June 21.
Heating pad. H. H. Brown. 1,855,092; Apr. 19.
Heating plant, Hot air. F. A. Whiteley. 1,846,292; Feb. 23.
Heating system. C. G. Bordeaux. 1,885,225; Nov. 1.
Heating system. A. H. Byfield. 1,863,712; June 21.
Heating system. H. E. Lake. 1,843,566; Feb. 2.
Heating system. M. Lilland. 1,875,246; Aug. 30.
Heating system, Automobile. C. C. Nuss. 1,863,726; June 21.
Heating system, Automotive. A. H. Bates. 1,881,068; Oct. 4.
Heating system, Bus. L. P. Hynes. 1,848,631; Mar. 8.
Heating system, Differential. C. A. Dunham. 1,874,937; Aug. 30.
Heating system, Electric. R. Mayer. 1,874,778; Aug. 30.
Heating system for bake ovens. E. O. Engels. 1,857,447; May 10.
Heating system for buildings. B. F. Greimann. 1,868,745; July 26.
Heating system for railway cars and the like. W. C. Hartwig. 1,881,546; Oct. 11.
Heating system for tank cars. J. C. Cleaver. 1,866,544; July 12.
Heating system, Gas. G. Keith. 1,890,816; Dec. 13.
Heating system, House. H. L. Doherty. 1,868,051; July 19.
Heating system, Steam. H. Krantz. 1,853,820; Apr. 12.
Heating system, Steam. F. I. Raymond. 1,886,223; Nov. 1.
Heating system, Vacuum steam. I. C. Jennings. 1,845,023; Feb. 16.
Heating systems, Control apparatus for vacuum. C. M. Bailey. 1,886,366; Nov. 8.
Heating systems, Venting appliance for. A. L. Browne. 1,851,053; Mar. 29.
Heating tube. R. Thurm. 1,872,363; Aug. 16.
Heating unit. A. B. Modine. 1,858,839; May 17.
Heating unit, Air. A. B. Modine. 1,856,924; May 3.
Heating unit, Automatic. R. N. Trane. 1,846,698; Feb. 23.
Heating unit, Concealed. W. Shurtleff. 1,882,452; Oct. 11.
Heating unit, Electric. R. G. Hare. 1,886,880; Nov. 8.
Heating unit, Electric. G. E. Pickup. 1,844,678; Feb. 9.
Heating unit, Electrical. E. L. Wiegand. 1,868,620; July 26.
Heating unit for tanks, Electric. S. J. Bush. 1,842,655; Jan. 26.
Heating unit for use in waving human hair. W. Schmitz. 1,847,673; Mar. 1.
Heating with water. B. F. Randel. 1,870,024; Aug. 2.
Hectograph. H. J. Reardon. 1,892,077; Dec. 27.
Hectograph machine. W. K. Moll. 1,861,188; May 31.
Hectograph machine. C. H. Reynolds. Des. 88,174; Nov. 1.
Heddle for looms. R. G. Turner. 1,847,579; Mar. 1.
Heddle frame. R. K. Robertson. 1,866,908; July 12.
Heddle frame. Jobagchet. 1,873,726; Aug. 23.
Heddle mechanism. J. Keys. 1,845,715; Feb. 16.
Heddles, Connected series of. H. D. Colman. 1,848,869; Mar. 8.
Hedge cutter. C. A. Albrecht. 1,857,342; May 10.
Hedge shears. H. O. Bailey. 1,890,355; Dec. 6.
Hedge trimmer. J. C. Miller. 1,878,878; Sept. 20.
Hedge trimmer. T. S. Terry. 1,868,402; July 19.
Hedge trimming shears. E. Swanson. 1,879,860; Sept. 27.
Heel. W. H. Nutt. 1,849,947; Mar. 15.
Heel. P. B. Sullivan. 1,876,361; Sept. 6.
Heel and heel covering and making the same. L. J. Bazzoni. 1,862,878; June 14.
Heel and heel covering and making the same. G. H. Heys. 1,889,245; Nov. 29.
Heel and its manufacture. L. Leighton, jr. 1,861,969; June 7.
Heel and making same, Covered. L. J. Bazzoni. 1,847,290; Mar. 1.
Heel and making the same. N. H. Knowlton. 1,861,662; June 7.
Heel and wear plate therefor, Rubber. A. A. Esterson. 1,885,351; July 18.
Heel attaching machine. T. Lund. 1,841,448; Jan. 19.
Heel attaching machine. E. K. Pope. 1,839,239; Jan. 5.
Heel attaching means, Rubber. F. P. Mies. 1,839,245; Jan. 5.
Heel base and making the same. O. T. Crafts. 1,872,124; Aug. 16.
Heel breast finisher. D. B. Frazier. 1,855,284; Apr. 26.
Heel breast flap laying and flap trimming machine. J. Gouldbourn. 1,882,077; Oct. 11.
Heel-breast-flap-trimming machine. N. H. Knowlton. 1,889,249; Nov. 29.
Heel breasting machine. F. Ashworth. 1,850,195; Mar. 22.
Heel breasting machine. F. A. Day. Re18,432; Apr. 19.
Heel, Composition. L. Simon. 1,840,053; Jan. 5.
Heel construction. M. W. Nusser. 1,870,065; Aug. 2.
Heel cutting machine. A. F. Froussard. 1,876,285; Sept. 6.
Heel cover tucking machine. L. J. Bazzoni. 1,860,645; May 31.
Heel, Exchangeable. E. Grauert. 1,885,341; Nov. 1.
Heel for boots. B. Bridi. 1,888,617; Nov. 22.
Heel for ladies' shoes. F. T. Gentile and F. Maccarone. 1,844,248; Feb. 9.
Heel for ladies' shoes. F. Maccarone and F. T. Gentile. 1,874,773; Aug. 30.
Heel for shoes, Replaceable. J. Lippert. 1,844,067; Feb. 9.
Heel grooving machine. L. J. Bazzoni. 1,874,421; Aug. 30.
Heel grooving machine, Wood. N. W. Kinney. 1,839,228; Jan. 5.
Heel grooving machine, Wood. H. W. Russ. 1,846,615; Feb. 23.
Heel grooving machine, Wood. W. N. Sawyer. 1,860,789; May 31.
Heel lift. B. W. Klein. 1,847,217; Mar. 1.
Heel lift and attaching means therefor. B. Gilowitz. 1,861,118; May 31.
Heel-lift wear and securing plate, Combined. L. Weinstein. 1,850,433; Mar. 22.
Heel machine. F. Ashworth. 1,852,140; Apr. 5.
Heel machine. F. Ashworth. 1,870,353; Aug. 9.
Heel machine. P. K. Droukas. 1,871,882; Aug. 16.
Heel mold. E. B. Carter. 1,859,965; Dec. 13.
Heel molding method. J. O. Goodwin. 1,877,298; Sept. 13.
Heel press. L. A. Holman. 1,861,569; June 7.
Heel, Replaceable. B. Jassen and F. I. Nussbaum. 1,883,765; Nov. 22.
Heel seat cutting machine. H. Gingell. 1,851,626; Mar. 29.
Heel seat cutting mechanism. H. Gingell. 1,851,625; Mar. 29.
Heel seat fitting machine. H. A. Ballard. 1,857,424; May 10.
Heel seat fitting machine. W. R. Barclay and F. Ricks. 1,847,289; Mar. 1.
Heel seat fitting machine. J. F. Gouldbourn and W. R. Barclay. 1,840,030; Jan. 5.
Heel seat fitting machine. G. Hazelton. 1,850,149; Mar. 22.
Heel-seat forming machine for off-the-last work. E. Besson. 1,881,017; Nov. 15.
Heel-seat trimming machine. H. Gordon. 1,888,722; Nov. 22.
Heel seats, Making trimmed. C. C. Abbott. 1,856,800; May 3.
Heel seats of shoes, Method of and machine for forming. A. Bates. 1,889,234; Nov. 29.
Heel, Shoe. P. T. Gabriel. 1,842,017; Jan. 19.
Heel, Shoe. P. F. Havey. 1,843,511; Feb. 2.
Heel, Shoe. F. J. Kelley. Des. 87,158; June 14.
Heel, Shoe. A. E. Norris. 1,854,057; Apr. 12.
Heel stainer. E. C. Peart. 1,853,994; Apr. 12.
Heel trimming machine. J. A. Dorner. 1,855,794; Apr. 26.
Heel, Wood. G. Clausing. 1,858,805; May 17.
Heels, Apparatus for covering. G. M. Smith. 1,866,728; July 12.
Heels, Device for use in covering. A. Bates. 1,857,177; May 10.
Heels, Enlarged wearing surface for spikes. A. W. Givens. 1,875,806; Sept. 6.
Heels, Making rubber. F. Berensteln. 1,867,132; July 12.
Heels, Making rubber. W. S. Wolfe. 1,854,388; Apr. 19.
Heels, Manufacture of. R. F. Knight. 1,885,840; Nov. 1.
Heels, Nonslip attachment for shoe. G. Antz. 1,866,386; July 5.
Heels, Quick detachable top lift for. H. L. Brown. 1,870,558; Sept. 3.
Heels to shoes, Attaching. J. P. Quirk. 1,857,475; May 10.

Heels to the soles of shoes, Method of and machine for fitting. G. Hazelton and F. Ricks, 1,847,244; Mar. 1.
Height, Apparatus for determining metacentric. J. L. Wilson, 1,860,345; May 24.
Height, indicating metacentric. J. L. Wilson, 1,859,546; May 24.
Helico-lift autorotor for aircraft and the like. F. Wander, Jr., 1,850,559; Oct. 4.
Helicoplane. J. J. Leray, 1,890,519; Dec. 13.
Helicopter. W. A. Bluhm, 1,848,306; Mar. 8.
Helicopter. D. R. Campens, 1,892,036; Dec. 27.
Helicopter. C. E. and W. G. Hicks, 1,849,007; Mar. 8.
Helicopter. J. Hojnowski, 1,857,849; May 10.
Helicopter. C. Kilbe, 1,849,255; Mar. 15.
Helicopter. J. Leffert, 1,868,392; July 19.
Helicopter. S. P. Vaughn, 1,887,703; Nov. 15.
Helicopter. R. K. Williams, 1,869,453; Aug. 2.
Helitractor. B. Chester, 1,850,993; Mar. 29.
Helium, Extracting. R. R. Bottoms, 1,850,529; Mar. 22.
Helium, Extracting. R. R. Bottoms, 1,881,115; Oct. 4.
Helium from gaseous mixtures, Apparatus for the extraction of. R. R. Bottoms, 1,881,116; Oct. 4.
Helm controlling device for yachts. V. E. Robinson, 1,846,458; Feb. 23.
Helmet. E. Cairns, 1,889,537; Nov. 29.
Helmet. O. S. Flood, 1,885,426; Nov. 1.
Helmet. R. R. Jones, 1,886,551; Nov. 8.
Helmet. R. Malcom, 1,885,745; Nov. 1.
Helmet. H. Rateau, 1,860,690; May 31.
Helmet. W. Tull, 1,864,194; June 21.
Helmet and ventilating means, Sand blast. F. J. Hull, 1,881,192; Oct. 4.
Helmet, Aviator's. S. S. Cooper, 1,879,104; Sept. 27.
Helmet, Aviator's. J. W. Levi, 1,879,353; Sept. 27.
Helmet, Aviator's. B. H. Wells, 1,841,232; Jan. 12.
Helmet, Baseball. A. C. Turner, 1,842,953; Jan. 26.
Helmet, Head. J. B. Duchek, 1,839,657; Jan. 5.
Helmet, Illuminated fireman's. R. E. M. Frohder, 1,891,866; Dec. 20.
Helmet, Sand-blaster's. F. M. Bowers, 1,872,877; Aug. 23.
Hemmer and strip guide, Combination. K. Maier, 1,864,503; June 21.
Hemoglobinometer. C. A. and A. A. Hausser, 1,878,847; Sept. 20.
Hemorrhoids, Treating. S. C. Lilly, 1,876,703; Sept. 13.
Hemstitching machines, Attachment for. H Schindelheim, 1,849,029; Mar. 1.
Henhouse dropping-board cleaner. N. P. Nielsen, 1,879,818; Sept. 27.
Heptaldehyde, Preparing. E. C. Fanto, 1,886,538; Nov. 8.
Hexathlorethane, Apparatus for drying. R. D. Myers, 1,890,654; Dec. 13.
Hickey, Adjustable. L. C. Doane, 1,841,883; Jan. 19.
Hides and skins, Bating. K. H. Goeller, 1,851,763; Mar. 29.
Hides and skins, Tanning. M. M. Merritt, 1,841,836; Jan. 19.
Hides and skins, Tanning. M. M. Merritt, 1,852,996; Apr. 5.
Hides, skins and leather, Method of and machine for operating upon. H. Freudenberg, 1,869,472; Aug. 2.
Hides, skins, leather, plywood, and other products, Drying. J. J. Burton, 1,851,607; Mar. 29.
Hides, Soaking of. R. Klein and H. Ulrich, 1,870,179; Aug. 2.
Hides, Tanning. G. V. Wrange, 1,887,972; Nov. 15.
High chair. P. A. Copenhaver, 1,887,234; Nov. 8.
High-capacity boiler. W. H. Armacost and D. W. Rudorff, 1,889,710; Dec. 6.
High current electric switch. C. D. Ainsworth, 1,885,068; Oct. 25.
High frequency detector. E. D. McArthur, 1,846,888; Feb. 23.
High frequency furnace. V. E. Legg, 1,864,076; June 21.
High-frequency oscillatory system. E. R. Hentschel, 1,884,679; Oct. 25.
High frequency supply. R. C. Curtis, 1,861,437; June 7.
High lift device. E. E. Manley, 1,844,585; Feb. 9.
High pressure boiler. O. Engler, 1,852,293; Apr. 5.
High pressure boiler. O. H. Hartmann, 1,852,302; Apr. 5.
High pressure locomotive. A. W. Bruce, 1,874,236; Aug. 30.
High speed motor. H. D. Else, 1,880,936; Oct. 4.
High speed recorder. W. Legg, 1,871,889; Aug. 9.
High temperature furnace. G. B. Remmey, 1,879,494; Sept. 27.
High tension switch. W. G. Milne, 1,845,927; Feb. 16.
Highway construction, Method and form for concrete. B. H. Flynn, 1,868,819; July 26.
Highway construction over-pass. B. H. Flynn, 1,868,820; July 26.
Highway gate. M. M. Dilley and J. H. Fraser, 1,874,926; Aug. 30.
Highway striping machine. E. E. Wilmeth, 1,844,732; Feb. 9.
Hill draining system. T. Strothmann, 1,866,826; July 12.
Hinge. G. W. Aldeen, 1,864,163-4; June 21.
Hinge. E. A. Arndt, 1,867,798; July 19.
Hinge. J. T. Atwood, Des. 87,866-7; Oct. 4.
Hinge. O. H. Bangs, 1,878,063; Sept. 20.
Hinge. K. J. Bergren, 1,874,426; Aug. 30.
Hinge. W. A. Ervin, 1,887,549; Nov. 15.
Hinge. C. Halwey, 1,881,078; Oct. 4.
Hinge. H. G. Kellogg, 1,876,242; Sept. 6.
Hinge. E. H. Lehman, Des. 87,638; Aug. 23.
Hinge. L. H. Lehman, 1,841,898; Jan. 19.
Hinge. F. Leisler, 1,848,427; Mar. 8.
Hinge. L. W. Morley, 1,871,526; Aug. 9.
Hinge. D. B. Oliver, 1,849,017; Mar. 8.
Hinge. E. J. Reinhart, 1,840,211; Jan. 5.
Hinge. G. E. Roedding, Des. 86,268; Feb. 16.
Hinge. A. N. Rose, 1,862,432; June 7.
Hinge. L. Schilling, 1,865,339; June 28.
Hinge. W. Tamsuff, Des. 86,814; Apr. 19.
Hinge. C. E. Thompson, 1,839,452; Jan. 5.
Hinge. N. C. Wells, 1,863,889; June 21.
Hinge. W. J. Wilson, 1,881,126; July 19.
Hinge and latch, Table leg. R. O. Clark, 1,860,494; May 31.
Hinge and making it. V. Odquist, 1,884,818; Oct. 25.
Hinge and making the same. J. T. Atwood, 1,874,415; Aug. 30.
Hinge, Automobile windshield. P. B. Moore and B. Lewis, 1,860,198; May 24.
Hinge, Awning. C. H. Lloyd, 1,866,474; July 5.
Hinge, Ball bearing. W. D. Ferris, 1,873,566; Aug. 23.
Hinge bearing structure. C. A. Swanson, 1,849,536; Mar. 15.
Hinge butt and making the same. J. Soss, 1,847,630; Mar. 1.
Hinge butts, Making. J. Soss, 1,847,632; Mar. 1.
Hinge, Casement window. O. P. Cramer, 1,876,402; Sept. 6.
Hinge, Checking floor. H. E. Hubbs, 1,890,814; Dec. 13.
Hinge, Closure. N. H. Forbes, 1,872,077; Aug. 16.
Hinge, Concealed pin. C. Geske and A. Ekman, 1,851,473; Oct. 11.
Hinge connection. H. M. Gasstrom, 1,847,757; Mar. 1.
Hinge construction. G. Bommer, 1,871,031; Aug. 9.
Hinge construction. C. A. Swanson, 1,873,534; Aug. 23.
Hinge construction. H. Zinser, 1,867,046; July 12.
Hinge, Detachable spring. C. Berne, 1,863,323; June 14.
Hinge, Door. G. Bommer, 1,845,911; Feb. 16.
Hinge for doors or other closures. W. D. Ferris, Des. 87,662; Aug. 30.
Hinge for doors or windows. W. D. Ferris, 1,839,665; Jan. 5.
Hinge for water closet seats and covers. D. S. Warth, 1,843,628; Feb. 2.
Hinge for window screens. R. Focaracci, 1,857,717; May 10.
Hinge, Friction. L. A. Bittorf, 1,867,346; July 12.
Hinge, Gate. J. B. Gets, 1,877,846; Sept. 20.
Hinge joint. H. Steiff, 1,841,855; Jan. 19.
Hinge lock. A. Yurkovitch, 1,845,370; July 19.
Hinge mechanism for grave vaults. W. B. Shafer, 1,872,514; Aug. 16.
Hinge members for containers and the like, Method and apparatus for forming. J. M. Young, 1,874,732; Aug. 30.
Hinge pin, Anti-rattle. R. L. Fetters, 1,847,937; Mar. 1.
Hinge ring, Flexible. S. W. McKellip, 1,891,566; Dec. 20.
Hinge, Safe. C. F. Walters, 1,865,052; June 28.
Hinge, Spectacle temple. R. F. Courtright, 1,845,582; Feb. 16.
Hinge, Spring. J. G. Mitchell, 1,866,218; July 5.
Hinge, Spring. J. O. Olson, 1,892,584; Dec. 27.
Hinge structure. R. F. Carpenter and T. F. Anderson, 1,879,079-80; Sept. 27.
Hinge, Universal casement. B. C. McMurtrey, 1,874,782; Aug. 30.
Hinge, Vehicle door. F. Lemke, 1,867,885; July 19.
Hinge, Well pipe elevator. N. K. Smith, 1,843,992; Feb. 9.
Hinge, Window. P. O. Borgeson, 1,839,639; Jan. 5.
Hinge, Windshield. P. Carlson, 1,858,880; May 17.
Hinge, Wire. C. B. Gunn, 1,843,170; Feb. 2.
Hinged box. C. S. Andrews, 1,865,608; July 5.
Hinged structure. U. C. Thies, 1,860,438-9; May 31.
Hinges, Making. C. A. Bascenius, 1,855,710; Apr. 26.
Hinges, Making. O. J. Groehn, 1,881,518; Oct. 11.
Hitch. A. J. Apamn, 1,859,488; May 24.
Hitch. B. F. Bounds, 1,879,012; Sept. 27.
Hitch. E. F. Green, 1,891,122; Nov. 15.
Hitch connection for plows with seeders. T. J. Erdman, 1,872,066; Aug. 16.
Hitch, Cushion safety. G. D. Besten, 1,859,649; May 24.
Hitch drill. T. Schull, 1,886,981; Nov. 8.
Hitch for automobile tractors and the like. J. E. Macholds, 1,873,540; Aug. 16.
Hitch for multiple-gang harrows, Multiple. S. S. Furrer, 1,843,275; Feb. 2.
Hitch, Safety. H. Ketel, 1,872,750; Aug. 23.
Hitch, Semitrailer. A. M. Schlaegel, 1,853,701; Apr. 12.
Hitch, Tractor. G. H. Burrill, 1,849,449; Mar. 15.
Hob. E. C. Head, 1,846,640; Feb. 23.
Hob. E. C. Head, 1,882,068; Oct. 11.
Hob and method of cutting for tapered gears. O. G. Simmons, 1,849,810; Mar. 15.
Hob grinding machine. C. G. Olson, 1,874,592; Aug. 30.
Hob grinding machine. J. R. Richer, 1,874,626; Aug. 30.
Hob tester. C. G. Olson, 1,858,840; May 17.
Hobs, Grinding. C. G. Olson, 1,846,272; Feb. 23.
Hobs, Making. J. Edgar, 1,844,947; Feb. 16.
Hobs, Method and apparatus for relieving. E. C. Head, 1,877,174; Sept. 13.

Hobs. Method and apparatus for relieving. E. C. Head. 1,852,009; Oct. 11.
Hobble. Decoy. D. L. Johnson. 1,887,491; Nov. 15.
Hobbing machine. F. H. Adams. 1,878,656; Sept. 20.
Hobbyhorse. J. J. Brennan. 1,863,393; June 14.
Hobbyhorse, Mechanical. J. O. Hahs. 1,863,012; June 14.
Hobbyhorse, Mechanical. J. O. Hahs. 1,888,763; Nov. 22.
Hoe. L. J. Birn. 1,845,222; Feb. 16.
Hoe. A. Frank. 1,890,537; Dec. 13.
Hoe. L. T. Kaipust. 1,889,286; Nov. 29.
Hoe. J. H. Roberts. 1,879,909; Sept. 27.
Hoe. C. B. Strang. 1,879,674; Sept. 6.
Hoe blade. J. B. Harrison. 1,842,605; Jan. 26.
Hoe, Rotary. V. F. Bozemen. 1,844,500; Feb. 9.
Hoe, Rotary. V. F. Bozeman. 1,853,718; Apr. 12.
Hoe, Rotary. J. E. Kaupke. 1,844,255; Feb. 9.
Hoe vise. Portable garden. H. A. Daude. 1,878,439; Sept. 20.
Hoeing attachment for cultivators. E. Wigle. 1,858,652; May 17.
Hog controller. F. Stanley. 1,889,115; Nov. 29.
Hog ring. G. E. Herring. 1,844,769; Feb. 9.
Hog ring. H. Meyer. 1,871,548; Aug. 16.
Hog ringer. W. A. Ingalsbe. 1,879,270; Sept. 27.
Hog-tying device. E. C. Mack. 1,881,838; Oct. 11.
Hogshead, Collapsible. R. J. Kernodle. 1,892,153; Dec. 27.
Hogshead, Knockdown. W. B. Foreman. 1,883,670; Oct. 18.
Hogshead, Knock-down. W. B. Foreman. 1,887,406; Nov. 8.
Hoist. F. Dartsup. 1,887,548; Nov. 15.
Hoist. C. A. Dickens. 1,864,124; June 21.
Hoist. H. S. Hele-Shaw, T. E. Beacham, and E. C. Mills. 1,875,600; Sept. 6.
Hoist. J. F. Johnson. 1,876,954; Sept. 13.
Hoist and conveyer, Combined. E. Schaffer. 1,857,031; May 3.
Hoist and crowd combined control system for electric shovels. H. S. Jacobs. 1,889,035; Nov. 29.
Hoist and lowering attachment, Ash. M. M. Botnick. 1,868,878; July 26.
Hoist and support, Truck trailer. G. W. Kuhlman. 1,857,374; June 14.
Hoist and wire stretcher, Combination. R. Marschall and T. Greensand. 1,855,641; Apr. 26.
Hoist, Automatic reverse ratcheting. F. W. Coffing. 1,862,331; June 7.
Hoist, Automobile transmission. L. J. Armstrong. 1,857,729; May 10.
Hoist, Container. R. Bergmann. 1,865,739; July 5.
Hoist for dumping trucks, Hydraulic. A. E. Knecht. 1,891,312; Dec. 20.
Hoist for use with farm tractors, Geared. M. Erickson. 1,860,774; May 31.
Hoist, Grader blade. T. D. Workman. 1,850,782; Mar. 22.
Hoist, Gravity dump body. E. R. Barrett. 1,883,472; Oct. 18.
Hoist, Manual hydraulic. P. S. Wood and F. H. Dewey. 1,858,797; May 17.
Hoist mechanism. D. Kendall and W. D. Keller. 1,841,958; Jan. 19.
Hoist or transfer mechanism. E. Lullau. 1,879,815; Sept. 27.
Hoist, Skip. G. J. Oldroyd. 1,870,962; Aug. 9.
Hoist, Skip. P. E. Reed. 1,871,519; Aug. 16.
Hoist, Telescopic. J. P. Heil and G. L. Landry. 1,887,508; Nov. 15.
Hoist, Traversing. C. C. Brinley. 1,848,932; Mar. 8.
Hoist, Traversing. H. E. Hallenbeck. 1,890,679; Dec. 13.
Hoist, Truck. F. Richards. 1,867,760; July 19.
Hoisting and conveying apparatus. K. Berger. 1,850,440; Mar. 22.
Hoisting and loading device. N. W. Bell. 1,854,973; Apr. 19.
Hoisting apparatus. A. C. Gilbert and E. N. Anketell. 1,860,835; May 31.
Hoisting apparatus. F. E. Stahl. 1,891,883; Dec. 20.
Hoisting apparatus. C. G. Wright. 1,882,051; Oct. 11.
Hoisting apparatus for power operated shovels. W. Ruddock. 1,862,862; June 14.
Hoisting apparatus for roadway vehicles. W. S. Howard. 1,870,385; Aug. 9.
Hoisting apparatus, Portable. G. Anderson. 1,885,170; Nov. 1.
Hoisting device. H. S. Geer. 1,887,487; Nov. 15.
Hoisting device. O. C. Hamre. 1,887,553; Nov. 15.
Hoisting device. F. H. Schwerin. 1,884,296; Oct. 25.
Hoisting engine. I. W. Macy. 1,861,703; June 7.
Hoisting engine. H. L. Turney. 1,881,302; Oct. 4.
Hoisting engine, Automatically releasing. A. L. Kositzky. 1,862,312; June 7.
Hoisting mechanism. J. R. McGiffert. 1,846,429; Feb. 23.
Hoisting mechanism. J. R. McGiffert and O. L. Berby. 1,859,116; Mar. 22.
Hoisting mechanism. J. R. McGiffert and O. L. Berby. 1,891,769; Dec. 20.
Hoisting mechanism. R. C. Osgood. 1,884,821; Oct. 25.
Hoisting mechanism. F. F. Seaman and C. E. Schirmer. 1,874,189; Aug. 30.
Hoisting mechanism. T. Zetterlund. 1,849,213; Mar. 15.
Hoisting mechanism for truck bodies. C. H. Miller. 1,854,212; Apr. 19.
Holddown, Buttoned. G. C. Fedderman. 1,863,088; June 14.
Holddown device for pantographs or the like. J. R. McLaughlin. 1,844,536; Feb. 9.
Hold-down, Hydraulic. R. T. Hazelton. 1,881,185; Oct. 4.
Holdfast for ropes. A. M. Angus. 1,862,650; June 14.
Hold open and closing mechanism for double doors. C. L. Phillips and H. E. Sprague. 1,867,589; July 19.
Holdup protection device. T. F. Robinson. 1,891,554; Dec. 20.
Holder. R. S. Bennett. 1,858,130; May 10.
Holder. P. O. Hoag. 1,854,740; Apr. 19.
Holder. H. Kurth. 1,846,879; Feb. 23.
Holder. J. A. Maker and J. A. Medley. 1,857,465; May 10.
Holder. C. P. Walker. 1,866,585; June 21.
Holder. J. J. Willmott. Des. 87,496; Aug. 2.
Holder, Abrasive. W. G. Dunn. Des. 87,627; Aug. 23.
Holder, Addendum sheet. H. G. Buchan. 1,844,004; Feb. 9.
Holder, Adjustable cake. A. E. Guenther and H. S. Toole. 1,852,954; Aug. 9.
Holder, Adjustable lock tool. R. R. Weddell. 1,875,967; Sept. 6.
Holder, Adjustable sand blast nozzle. R. Ruemelin. 1,849,384; Mar. 15.
Holder, Adjustable tool. J. H. Smith. 1,861,246; May 31.
Holder, Adjustable work. R. R. Weddell. 1,843,794; Feb. 2.
Holder and blade protector, Tool. J. M. Luers. 1,863,907; June 21.
Holder and blade, Safety razor. L. G. Love. 1,853,867; Apr. 12.
Holder and bookmark, Sheet. G. M. Sacerdote. 1,865,590; July 5.
Holder and bottle opener, Combination tumbler. K. Rettich. Des. 87,978; Oct. 18.
Holder and buffer, Combined door. G. W. Wells. 1,865,661; July 5.
Holder and carrier, Bottle. G. T. Schroder. 1,865,645; July 5.
Holder and dispenser for aseptic materials in rolls, Sanitary. J. L. Kendall. 1,849,958; Jan. 12.
Holder and dispenser, Tooth paste. G. Guenther. 1,854,147; Apr. 12.
Holder and dispenser, Tube. W. G. Collins. 1,876,489; Sept. 6.
Holder and driver, Rivet. A. R. Havener. 1,850,670; Mar. 22.
Holder and dust pan, Combination broom. J. P. Mahoney. 1,864,918; June 28.
Holder and ejector for cigarettes and cigars. W. Brière. 1,880,754; Oct. 4.
Holder and file for sheet material. H. Bucklin. 1,848,894; Mar. 8.
Holder and flattening device, Collapsible tube. P. J. Sassano. 1,859,174; May 17.
Holder and grab rail, Combination soap. S. D. Baker. Des. 86,694; Apr. 12.
Holder and greeting card, Combine gift. C. Ristow and M. Teshelm. 1,861,136; May 31.
Holder and handle, Mop. S. Labant. 1,849,147; Mar. 15.
Holder and lifter, Valve. J. Eagen. 1,843,022; Jan. 26.
Holder and manufacture, Cigarette. P. H. Lehmann and P. P. Simpson. 1,858,366; May 17.
Holder and marker, Combined book. A. Ruelland. 1,888,773; Nov. 22.
Holder and punch, Ticket. O. C. Heinemann. 1,856,705; May 3.
Holder and release, Hog. E. L. Amble. 1,850,255; Mar. 22.
Holder and sharpener, Combined razor. W. F. M. Hawe. Des. 86,520; Mar. 15.
Holder and sharpener, Knife. L. P. Branch. 1,861,683; June 7.
Holder and signal light, License plate. J. Frizner. 1,887,087; Nov. 8.
Holder and snuffer for cigarettes, Combined. K. Rinne. 1,840,255; Jan. 5.
Holder and stacker, Mail. C. T. Roades. 1,841,982; Jan. 19.
Holder and support therefor. H. B. Clegg. 1,855,009; Apr. 19.
Holder and the like, Globe. W. H. Rowe. 1,888,836; Nov. 22.
Holder and weigher, Automatic bag. P. J. Campbell. 1,856,904; May 3.
Holder, Article. L. Del Papa. 1,877,299; Sept. 13.
Holder, Article. N. C. Gates. 1,856,847; May 3.
Holder, Article. C. L'Enfant. 1,877,911–12; Sept. 20.
Holder, Article. R. J. Stephenson. 1,870,659; Aug. 9.
Holder, Ash and fire proof cigar and cigarette. A. MacBeth. 1,857,283; May 10.
Holder attachable to service trays, Merchandise. E. G. De Fee and C. Bramming. 1,892,234; Dec. 27.
Holder, Automobile license. D. T. Adams. 1,887,727; Nov. 15.
Holder, Automobile license certificate. K. T. Norris. 1,850,471; Mar. 22.
Holder, Automobile umbrella. W. Beehler. 1,892,601–3; Dec. 27.
Holder, Bag. C. E. Constable. 1,883,585; Oct. 18.
Holder, Bag. P. W. Ernsberger. 1,872,918; Aug. 23.

Holder, Bag. A. Reynolds. 1,858,793; May 17.
Holder, Basin flower. L. S. Okal. 1,868,802; July 26.
Holder. Battery tag. F. G. Plowick. 1,892,248; Dec. 27.
Holder, Bell hammer. H. Dollhopf. 1,876,870; Sept. 13.
Holder, Belt dressing. H. R. and T. W. Stevens. 1,843,049; Jan. 26.
Holder, Bird seed biscuit. M. E. Burnett. 1,843,864; Feb. 2.
Holder, Bit or drill. A. L. Stowell. 1,880,521; Oct. 4.
Holder, Bit or drill. F. A. Volz. 1,850,297; Mar. 22.
Holder, Blade. J. M. Maaer. 1,871,069; Aug. 9.
Holder, Blade. L. T. Owens. 1,869,075; July 26.
Holder, Blading. L. Poirier and V. Varin. 1,881,293; Oct. 4.
Holder, Bone. G. C. Braumuller. 1,859,954; May 24.
Holder, Bonnet. H. Anderson. 1,882,710; Oct. 18.
Holder, Book. R. W. Callaway and H. Anderson. 1,888,525; Nov. 22.
Holder, Book. E. Racz. 1,841,153; Jan. 12.
Holder, Book. E. J. Sithens. 1,868,467; July 19.
Holder, Book match. W. Lonkowski. 1,853,279; Apr. 12.
Holder, Bottle. F. C. Ballart. 1,859,123; May 17.
Holder, Bottle. R. T. Redington-Drager. 1,889,877; Dec. 6.
Holder, Bottle. H. B. Silver. 1,869,717; Aug. 2.
Holder, Bottle and jug. J. B. Vanderbilt. 1,851,606; Mar. 29.
Holder, Bottle napkin. R. P. Land. 1,891,099; Dec. 13.
Holder, Bouquet. G. J. Riley. 1,863,878–9; June 21.
Holder, Bouquet. W. H. Rudolph. 1,876,322; Sept. 6.
Holder, Box. J. C. Pike. 1,850,002; Mar. 15.
Holder, Bracelet and lorgnette. R. Hanskat. 1,874,984; Aug. 30.
Holder, Broom. G. Gentslinger. 1,892,338; Dec. 27.
Holder, Brush. H. N. Diederichs. 1,857,803; May 10.
Holder, Brush. W. H. Jayne. 1,862,404; June 7.
Holder, Brush. E. J. Newcomer. 1,863,991; June 21.
Holder, Brush. F. Sonle. 1,865,283; June 28.
Holder, Buckle. H. A. Hamilton. 1,882,570; Oct. 11.
Holder, Can. J. Westburg. 1,885,788; Nov. 1.
Holder, Candle. G. W. Ebner. Des. 86,558; Mar. 1.
Holder, Candle. M. F. Powell. 1,879,477; Sept. 27.
Holder, Carbon. L. J. Miller. 1,852,666; Apr. 5.
Holder, Carbon paper. C. L. Kelly. 1,850,235–6; Mar. 22.
Holder, Card. G. H. Dawson. 1,843,111; Feb. 2.
Holder, Card. G. H. Dawson. 1,852,738; Apr. 5.
Holder, Card. C. Glenn. 1,867,384; July 12.
Holder, Card. L. E. Hutchings. 1,858,219; May 10.
Holder, Card. G. E. McIntyre. 1,867,276; July 12.
Holder, Card. E. Seidel. 1,861,717; Sept. 6.
Holder, Card. F. Weindel, jr. 1,841,690; Jan. 19.
Holder, Cartridge. F. Franz. 1,845,706; Feb. 16.
Holder, Cartridge. W. J. Benchley. 1,840,765–6; Mar. 12.
Holder, Certificate. A. O. Cobbs. 1,844,311; Feb. 9.
Holder, Changeable sign. L. C. Monroe. 1,879,403; Sept. 27.
Holder, Chart. O. Blahut. 1,850,654; Mar. 22.
Holder, Check. R. S. Young and P. Devlin. 1,883,271; Oct. 18.
Holder, Check-book stub. C. B. Snively and H. M. Wolf. 1,883,035; Oct. 18.
Holder, Christmas tree. P. Berman. 1,848,556; Mar. 8.
Holder, Christmas tree. T. J. Fegley and G. O. Leopold. Des. 87,388; July 19.
Holder, Christmas tree. F. I. Kaminski. 1,855,762; Apr. 26.
Holder, Christmas tree. L. L. Landis and E. G. Sauer. Des. 88,302; Nov. 15.
Holder, Christmas tree. W. C. Miller. 1,846,891; Feb. 23.
Holder, Christmas tree. H. C. Peterson. 1,873,471; Aug. 23.
Holder, Christmas tree. C. M. Whitfield and R. C. Gage. 1,873,693; Aug. 23.
Holder, Cigar. W. Reckers. 1,840,210; Jan. 5.
Holder, Cigar and cigarette. A. L. Gauthier, jr., and E. H. Mattocks. 1,866,641; July 12.
Holder, Cigar and cigarette. A. C. Mattison. Des. 87,412; Sept. 2.
Holder, Cigar or cigarette. A. C. Mattison. 1,868,986; July 26.
Holder, Cigarette. P. Condis. 1,853,040; Apr. 12.
Holder, Cigarette. G. N. Hein. 1,843,225; Feb. 2.
Holder, Cigarette. J. Johnston. Des. 86,086; Jan. 26.
Holder, Cigarette. W. Jones. 1,881,041; Oct. 11.
Holder, Cigarette. M. R. Kelchner. 1,869,851; Aug. 2.
Holder, Cigarette. J. J. Markart. 1,891,431; Dec. 20.
Holder, Cigarette. R. J. McAniff. 1,864,747; June 28.
Holder, Cigarette. W. Schiff. 1,875,218; July 5.
Holder, Cigarette. W. B. Wanson. 1,844,813; Feb. 9.
Holder, Cigarette. A. L. Weis. 1,841,389; Jan. 19.
Holder, Cigarette. N. White. 1,849,760; Nov. 22.
Holder, Clock and mirror. J. B. Weir. 1,884,938; Oct. 25.
Holder cleaner, Pipe and cigar and cigarette. A. J. Hanson. 1,869,059; July 26.
Holder, Cloth. F. W. Washburn. 1,849,258; Mar. 15.
Holder, Clothesline. A. Chiese. 1,848,994; Mar. 8.
Holder, Clothespin. A. Krebs. 1,872,753; Aug. 23.
Holder, Coin. J. J. Reinhold. 1,884,235; Oct. 25.
Holder, Collapsible tube. J. Nelson. 1,869,662; May 31.
Holder, Cologne. J. S. Mills. 1,889,075; Nov. 29.
Holder, Copy. C. Fensky and H. J. Readey. 1,884,639; Oct. 25.
Holder, Collar. L. E. Baer. 1,874,851; Aug. 30.
Holder, Collar. O. Carlson. 1,840,885; Jan. 12.
Holder, Collar. C. Silverman. Des. 87,363; July 12.
Holder, Collar. F. J. Wakefield. 1,876,184; Sept. 6.
Holder, Collar tip. E. Kelnath. 1,873,648; Aug. 23.
Holder, Combination. B. F. Saunders. 1,874,813; Aug. 30.
Holder, Combination blade. S. Port. 1,850,121; Mar. 22.
Holder, Combination curtain and shade. B. Formann. 1,873,028; Aug. 23.
Holder, Combination fairlead and headrod. S. J. Anderson. 1,840,614; Jan. 12.
Holder, Combined coin and article. J. E. Hughes. 1,868,325; July 19.
Holder, Combined hat and ticket. P. F. Denning. 1,842,826; Jan. 26.
Holder, Combined map, memorandum and match. W. A. McGonigle. 1,841,903; Jan. 19.
Holder, Combined window shade and curtain rod. F. Supa. 1,843,888; Feb. 2.
Holder, Condiment. J. J. Buckley. 1,879,731; Sept. 27.
Holder, Conduit. G. R. Esping. 1,886,660; Nov. 8.
Holder, Confection. R. L. Hunter. 1,867,945; July 19.
Holder, Cook book. H. M. Dickinson. 1,855,340; Apr. 12.
Holder, Copy. A. J. Cagliostro. 1,877,807; Sept. 20.
Holder, Copy. E. J. Dubois. 1,873,744; Aug. 23.
Holder, Copy. A. D. Kurowski. 1,878,529; Sept. 20.
Holder, Copy J. W. Robinson. 1,847,195; Mar. 1.
Holder, Cow-tail. C. R. Aarestad. 1,889,010; Nov. 29.
Holder, Cow tail. W. Bergsteen. 1,879,943; Sept. 27.
Holder, Cow-tail. G. Fotel. 1,867,552; July 19.
Holder, Cow tail. A. Grabowski. 1,866,029; July 5.
Holder, Cow-tail. W. Kurtz. 1,882,655; Oct. 11.
Holder, Cravat. A. L. Wurster. 1,865,995; July 5.
Holder, Crayon. N. Bafetti. 1,861,466; June 7.
Holder, Cream can. W. G. Swanson. 1,889,284; July 26.
Holder, Cup. H. H. Haywood. 1,866,805; July 12.
Holder, Curtain rod. H. and I. J. Rumpf. 1,869,281; July 26.
Holder, Dental floss. R. W. Cammack. 1,879,074; Sept. 27.
Holder, Dental floss. J. A. Landis. 1,890,788; Dec. 13.
Holder, Depthograph plate. C. W. Kanolt. 1,874,047; Aug. 30.
Holder device for truing commutators, Brush. H. D. Mundey. 1,844,174; Feb. 9.
Holder, Die. A. Raffe. C. 1,863,729; June 21.
Holder, Die maker's template. J. E. Oslund. 1,886,300; Nov. 1.
Holder, Dish. S. H. Davenport. 1,873,297; Aug. 23.
Holder, dispenser, and ash tray, Combination cigar. H. E. Peterson. Des. 86,407; Mar. 1.
Holder, dispenser, and ash tray, Combination cigarette. C. H. Stephens. Des. 86,488; Mar. 8.
Holder, Display. M. Charen. 1,879,658; Sept. 27.
Holder, Display card. C. H. Cook. 1,875,834; July 5.
Holder, Display card. H. W. Lamb. 1,852,315; Apr. 5.
Holder, Display card. G. S. Malcolm. 1,867,920; July 19.
Holder, Display card. G. S. Malcolm. 1,873,611; Aug. 23.
Holder, Display card. P. J. Timberlake. 1,862,776; June 14.
Holder, Door. W. E. Ingham. 1,845,417; Feb. 16.
Holder, Door. G. W. Kuhn. 1,879,724; Sept. 27.
Holder, Door. E. H. Johnson. Des. 86,677; Apr. 5.
Holder, Door. W. P. Shepherd. 1,839,506; Jan. 5.
Holder, Door. A. B. Travers. 1,875,965; Sept. 6.
Holder, Door. A. C. Werth. 1,854,386; Apr. 19.
Holder, Electric. L. Salves. 1,841,214; Jan. 12.
Holder, Electrode. A. J. and I. F. Fausek. 1,851,039; Mar. 29.
Holder, Electrode. F. W. McIntire. 1,883,807; Oct. 18.
Holder, Electrode. P. S. Ross. 1,842,627; Jan. 26.
Holder, Electrodes. S. M. Moody. 1,850,293; Mar. 22.
Holder, Electrode. W. F. Stoody. 1,876,786; Sept. 13.
Holder, Emblem. J. P. Read. 1,852,375; Apr. 5.
Holder, Ernser. L. Chester. 1,859,425; May 24.
Holder, Eraser. A. Pestel. 1,884,841; Oct. 25.
Holder, Expansible pipe. F. Stovall. 1,878,725; Sept. 20.
Holder, Extension cord electric iron. P. D. Temple. 1,872,528; Aug. 16.
Holder, File. W. S. Graham. 1,884,661; Oct. 25.
Holder, File. W. H. Howser. 1,839,913; Jan. 5.
Holder, File. W. C. Huebner. 1,860,389; May 31.
Holder, Film. H. Kreuder. 1,845,800; Feb. 16.
Holder, Film. E. W. Page. 1,876,431; Sept. 6.
Holder, Fish hook. C. J. Townsend. 1,882,959; Mar. 15.
Holder, Fishing rod. O. Gerline. 1,850,177; May 3.
Holder, Fishing rod. O. Gerline. 1,877,845; Sept. 20.
Holder, Fishing rod. A. Sabo. 1,881,163; Dec. 13.
Holder, Flexible certificate. F. H. Bronner. 1,842,744; Jan. 26.
Holder, Flexible phonograph record. E. E. Collison. 1,885,415; Nov. 1.
Holder, Flower. F. W. Carpenter. 1,857,140; May 10.
Holder, Flower. E. J. Cheesewright. 1,860,405; May 31.
Holder, Flower. J. P. Gilbanks. Des. 87,005; May 24.
Holder, Flower. W. Halm. 1,892,393; Dec. 27.
Holder, Flower. D. D. Richardson. 1,887,139; Nov. 8.
Holder, Flower. W. R. Stuck. Des. 88,002; Oct. 18.
Holder, Flower and plant. P. F. Morley. 1,846,433; Feb. 23.
Holder, Flower pot. W. H. Sievers. 1,868,853; July 26.
Holder, Folding check-book. C. B. Snively and H. M. Wolf. 1,883,036; Oct. 18.

Holder for a baby spoon or similar article. B. H. Prout. Des. 88,569 ; Dec. 6.
Holder for a beverage shaker. P. Rodyenko. Des. 86,807 ; Apr. 19.
Holder for arc furnaces, Electrode. A. E. Greene. 1,856,330 ; May 3.
Holder for automobile radiator fronts, Card. W. Weis. Des. 87,696 ; Aug. 30.
Holder for automobiles, Flag. A. Wickman. 1,857,774 ; May 10.
Holder for automobiles, License plate. G. M. Kessler. 1,881,279 ; Oct. 4.
Holder for automobiles, Mileage record. N. M. Stone. 1,860,632 ; May 31.
Holder for autos, Pipe and cigar. J. Endreson. 1,848,005 ; Mar. 1.
Holder for babies, Bottle. A. Arnone. 1,886,619 ; Nov. 8.
Holder for belt fastening means. G. E. Furple. 1,862,121 ; June 7.
Holder for binders, Label. G. H. Dawson. 1,843,542 ; Feb. 2.
Holder for blade processing. G. Dalkowitz. 1,880,848 ; Oct. 4.
Holder for bobbins or spools. W. B. Rulon, jr. 1,882,950 ; Oct. 18.
Holder for candy suckers. G. D. Snell. 1,847,415 ; Mar. 1.
Holder for cars, Placard. L. A. and W. N. Hoerr. 1,847,215 ; Mar. 1.
Holder for checks and similar articles. A. M. Leonard. 1,846,399 ; Feb. 23.
Holder for child's set comprising knife, fork, and spoon. G. Morrison. Des. 86,891 ; May 3.
Holder for cigars or cigarettes. H. H. Honigbaum. 1,876,299 ; Sept. 6.
Holder for coats and other garments. A. T. Hopkins. 1,881,274 ; May 31.
Holder for coil-winding dies, Adjustable. S. Wadsten. 1,871,349 ; Aug. 9.
Holder for collapsible tubes. E. E. Cullen. 1,889,885 ; Dec. 6.
Holder for collapsible tubes as an article of manufacture. L. J. Harrison. 1,854,483 ; Apr. 19.
Holder for collapsible tubes, Sanitary. E. J. Faber. 1,875,715 ; Sept. 6.
Holder for concrete wall construction, Metal form. H. L. Feldblet. 1,885,699 ; Nov. 1.
Holder for cows' tails. C. L. Wilson. 1,861,651 ; June 7.
Holder for crystal resonators. F. A. Polkinghorn. 1,859,565 ; May 17.
Holder for diestocks and the like, Work. B. T. Borden. 1,858,849 ; May 17.
Holder for dishwashing machines, Soap. W. L. Lindgren. 1,857,727 ; May 10.
Holder for dynamo electric machines, Brush. A. M. Mirchenhain. 1,863,018 ; June 14.
Holder for garden hose nozzles. R. W. Hempel. 1,855,630 ; Apr. 26.
Holder for garment presses, Cuff. P. N. Braun. 1,863,590 ; June 14.
Holder for garments, Tag. J. Covitch. 1,863,472 ; June 14.
Holder for glass cutter cartridges. G. W. Aldeen. 1,883,445 ; Oct. 18.
Holder for heels, Top lift. A. J. Lerner. 1,841,829 ; Jan. 19.
Holder for hogs and other animals. E. A. Dahl. 1,883,598 ; Oct. 18.
Holder for holding silverware while the same is being polished. K. Leuchner. 1,886,700 ; Nov. 8.
Holder for indexes, Signal. T. B. Clark. 1,860,804 ; May 31.
Holder for loose-leaf binder. R. J. Copeland. 1,873,921 ; Aug. 23.
Holder for metal wool or the like. C. Field and C. L. Chuphon. 1,867,294 ; Nov. 6.
Holder for molds, Plate. E. M. Chandler. 1,845,649 ; Feb. 16.
Holder for motor vehicles, License plate. W. H. Nickerson. 1,886,352 ; Nov. 1.
Holder for music stands, Adjustable light. F. Zabach. 1,847,051 ; Feb. 23.
Holder for nursing devices. R. Harms. 1,859,669 ; May 24.
Holder for nut making apparatus, Tool. S. W. Avis and M. H. Ames. 1,874,416 ; Aug. 30.
Holder for ornaments. H. W. Falstrom. 1,880,955 ; Oct. 4.
Holder for pants. G. Huber. 1,886,882 ; Nov. 8.
Holder for paste tubes, Dispensing. L. H. Newell. 1,884,136 ; Oct. 25.
Holder for pencils and the like. J. Brosius, jr. 1,840,563 ; Jan. 12.
Holder for phonograph records, Pin. A. M. Acheson. 1,846,378 ; Feb. 23.
Holder for photographic image carriers. S. Kaminski. 1,857,724 ; May 10.
Holder for photographic printing machines, Negative. W. C. Huebner. 1,857,381 ; May 10.
Holder for photographic printing machines, Negative. W. C. Huebner. 1,870,008 ; Aug. 2.
Holder for plant soil. W. S. Acuff, jr. 1,876,571 ; Sept. 13.
Holder for pot covers, dishes or other disk like objects. E. and M. Resnik. 1,842,118 ; Jan. 19.
Holder for pot or other flowers. H. M. Potter. Des. 85,397 ; Jan. 5.
Holder for printing members. C. Chisholm. 1,858,537 ; May 17.
Holder for pyrophoric lighters, Fire stone. R. Szekeres. 1,845,361 ; Feb. 16.
Holder for pyrotechnic cartridges. S. Wiley. 1,845,381 ; Feb. 16.
Holder for railroad road bed construction, Spring plate. G. W. Muller. 1,852,469 ; Apr. 5.
Holder for railroad road bed construction, Spring plate. G. W. Muller. 1,856,652 ; May 3.
Holder for razor blades, Stropping. L. Haddaway. 1,854,136 ; Apr. 12.
Holder for razor sharpening machines, Blade. T. G. McGirr. 1,888,683 ; Nov. 22.
Holder for recording instruments, Chart. E. H. Bristol. 1,840,830 ; Jan. 12.
Holder for roadway pavement expansion means. W. T. Lamb. 1,871,065 ; Aug. 9.
Holder for rolls of paper. J. F. Duby. 1,888,426 ; Nov. 22.
Holder for rolls of tobacco, such as cigarettes, cigars, and the like. G. R. Foote. 1,851,899 ; Mar. 29.
Holder for rotary card display devices, Card. J. D. MacLachlan. 1,863,226 ; June 14.
Holder for safety razors whereby the stropping is facilitated, Blade. J. W. Avon and J. D. Massey. 1,852,280 ; Apr. 5.
Holder for safety razor blades. W. G. Wallenbeck. 1,885,579 ; Nov. 22.
Holder for sign characters. F. P. Gstalder. 1,861,599 ; June 7.
Holder for socket wrench sets. H. G. Rice. 1,869,945 ; Aug. 2.
Holder for straightening machines, Work. H. J. Leighton. 1,842,237 ; Jan. 5.
Holder for tables, Purse. C. Nett and P. Pauly. 1,884,135 ; Oct. 25.
Holder for telephones, Message. R. H. Barclay. 1,889,742 ; Dec. 6.
Holder for textile fabrics, Tag. J. R. Higgins. 1,867,152 ; July 12.
Holder for the points of soft collars. L. E. Baer. 1,881,039 ; Oct. 4.
Holder for toilet articles. J. Manoha. 1,865,267 ; June 28.
Holder for tools or implements. D. Zerver. 1,847,203 ; Mar. 1.
Holder for trees, bushes, flowers, and the like. J. C. Smith. 1,856,000 ; Apr. 26.
Holder for vehicles, Umbrella. W. Beehler. 1,892,604 ; Dec. 27.
Holder for vessels, Cover. E. Smith. 1,847,228 ; Mar. 1.
Holder for weighing machines, Poultry. L. E. Tinnes. 1,869,683 ; July 12.
Holder for well pipes, Pipe. V. Askew. 1,854,573 ; Apr. 19.
Holder for writing instruments. J. W. Fitzgerald. 1,877,570 ; Sept. 13.
Holder for writing instruments, Pen. D. V. Bowen. 1,884,503 ; Jan. 26.
Holder, Fountain pen. M. W. Peters. Des. 86,469 ; Mar. 8.
Holder, Fuse. J. A. Wever. 1,884,445 ; Oct. 25.
Holder, Fuse plug. T. and R. Saunders. 1,851,775 ; Mar. 29.
Holder, Garbage can. W. W. Inman. 1,843,513 ; Feb. 2.
Holder, Gas. J. R. L. Santos. 1,859,718 ; May 24.
Holder, Gas. J. R. L. Santos. 1,865,791–2 ; July 5.
Holder, Gas. J. R. L. Santos. 1,870,315–16 ; Aug. 9.
Holder, Globe. A. B. Shaw and J. L. Le Gorre. 1,869,026 ; July 26.
Holder, Hat. G. H. Brown. 1,890,559 ; Dec. 13.
Holder, Hair wave. N. Fulton. 1,841,470 ; Jan. 19.
Holder having toothed releasing means, Tool. A. W. Swanson and C. W. Bennett. 1,841,769 ; Jan. 19.
Holder, Headrest. L. C. Benitz. 1,858,234 ; May 17.
Holder, Hook and eye. C. Kelley. 1,865,412 ; June 28.
Holder, Hospital chart and identification card. C. Talley. 1,888,811 ; Nov. 22.
Holder, Ice cream cone. J. C. Young. 1,854,091 ; Apr. 12.
Holder, Identification card. L. J. Kiger. 1,840,905 ; Jan. 12.
Holder, Identification or certificate. A. O. Cobbs 1,840,022 ; Jan. 5.
Holder, Iron. H. E. Riffey. 1,889,110 ; Nov. 29.
Holder, Iron. R. F. Schulzke. 1,867,768 ; July 19.
Holder, Jar. A. Farinello. 1,858,144 ; May 10.
Holder, Jewelers' eyeloupe. F. Mestre. 1,878,594 ; Sept. 20.
Holder, Journal box packing. J. J. Miller. 1,863,842 ; July 26.
Holder, Key. L. G. Bates. 1,859,276 ; May 24.
Holder, Key. L. B. Embree. 1,849,080 ; Mar. 15.
Holder, Key. C. L'Enfant. 1,877,909 ; Sept. 20.
Holder, Key. S. Lipsstadt. 1,866,216 ; July 5.
Holder, Key. I. G. Lipsstadt. 1,886,119 ; Nov. 1.
Holder, Key. E. Servilla. 1,859,176 ; May 17.
Holder, Label. R. W. Le Beaumont. 1,864,656 ; June 28.
Holder, Label. G. A. Northup. 1,854,908 ; Apr. 19.
Holder, Lady's cigarette. K. Abrams. 1,845,387 ; Feb. 16.
Holder, License and card. C. Foti. 1,859,134 ; May 17.
Holder, License plate. I. J. Davis. 1,864,641 ; June 28.
Holder, License plate. G. Lecaire. 1,864,966 ; June 28.
Holder, License plate. J. Frizner. 1,851,825 ; Mar. 29.

Holder, License plate. P. J. Linstrom. 1,879,906; Sept. 27.
Holder, License plate. O. C. Ritz Woller. 1,845,334; Feb. 16.
Holder, License plate. F. Stephenson. 1,877,075; Sept. 13.
Holder, Lingerie. O. Mahle. 1,884,031; Oct. 25.
Holder, Lingerie strap. A. Burkett. 1,847,862; Mar. 1.
Holder, Lip stick. B. R. Freedman. 1,868,206; July 19.
Holder, Lip stick. A. Gimonet. 1,839,548; Jan. 5.
Holder, Lip stick. A. Gimonet. 1,863,106; June 14.
Holder, Lipstick. L. L. Kole. 1,883,950; Oct. 25.
Holder, Loose leaf. C. V. Van Buren. 1,869,032; July 26.
Holder, Lug strap. H. E. Wilson. 1,878,221; Sept. 20.
Holder, Magazine. H. T. Adams. 1,873,524; Aug. 23.
Holder, Mailing case. M. E. Leeling. 1,842,874; Jan. 26.
Holder, Memorandum pad. F. A. Watkins. 1,866,279; July 5.
Holder, Menu. J. F. Haynes. 1,848,951; Mar. 8.
Holder, Message. L. F. Howard. 1,855,291; Apr. 26.
Holder, Milk bottle. P. Baker. 1,859,636; Jan. 5.
Holder, Mop. C. Brignolo. 1,855,218; Apr. 26.
Holder, Mop. R. Gillaspie; 1,845,408; Feb. 16.
Holder, Mop. G. P. Regan. 1,886,739; Nov. 8.
Holder, Mop. N. B. Stone. 1,874,381; Aug. 30.
Holder, Motor brush. T. J. Smulski. 1,860,370; May 31.
Holder, Multiple label. R. A. Furlong. 1,842,398; Jan. 26.
Holder, Music book and musical instrument. F. W. Marinier, jr. 1,853,913; Apr. 12.
Holder, Napkin. A. Singer. 1,892,193; Dec. 27.
Holder, Necktie. L. E. Baer. 1,874,852; Aug. 30.
Holder, Necktie. J. A. Palmer. 1,869,165; July 26.
Holder, Necktie. L. Pat. 1,868,950; July 26.
Holder, Necktie. J. W. Phillips. 1,844,927; Feb. 9.
Holder, Necktie. E. St. J. Smith. 1,868,674; July 26.
Holder, Necktie or other article. R. J. Hicks. 1,891,310; Dec. 20.
Holder, Net. J. L. Kleinman. 1,862,118; June 7.
Holder, Newspaper hanger. C. Appleby. 1,865,862; Holder, Newspaper. C. J. Kraft. 1,840,206; Jan. 5.
Holder, Nonremovable display. C. O. Bengtsson. 1,847,741; Jan. 26.
Holder, Nonslipping plate. R. Sturm. 1,883,081; Oct. 18.
Holder, Notebook. M. M. Wrichit. 1,845,952; Feb. 16.
Holder, Nozzle and hose. J. W. Grant. 1,862,600; June 7.
Holder, Nozzle tip. E. D. Remillard. 1,851,873; Mar. 29.
Holder, Nursing bottle. C. S. Ashby. 1,841,273; Jan. 12.
Holder, Nursing bottle. T. A. Hansen. 1,874,514; Aug. 30.
Holder, Nursing bottle. M. S. Sullivan. 1,867,992; July 19.
Holder or container, Condiment. T. J. Madigan. 1,891,824; Dec. 20.
Holder or frame, Poster display. T. H. Farmer. 1,840,890; Jan 12.
Holder or similar article, Playing card. J. Heusser and L. Tuigreen. Des. 86,168; Feb. 9.
Holder or similar article, Spool. O. Vogl. Des. 86,988; May 17.
Holder or wrapper, Brush. F. W. Schneider. 1,852,679; Apr. 5.
Holder, Package. J. R. Richer. 1,887,945; Nov. 15.
Holder, Pad. A. L. Brewer. 1,890,840; Dec. 13.
Holder, Pad. C. D. Karr. 1,841,410; Jan. 19.
Holder, Pail. R. S. Rowe. 1,854,069; Apr. 12.
Holder, Pallet. W. S. Mahr. 1,857,968; May 10.
Holder, Paper. H. R. McDonald. 1,846,692; Feb. 2.
Holder, Paper bag. B. L. Fratesi, jr. 1,870,722; Aug. 9.
Holder, Paper roll. E. W. Gilbert. 1,842,601; Jan. 26.
Holder, Paper sack. J. J. and J. C. Petrick. 1,852,895; Apr. 5.
Holder, Patient. L. B. Triplett. 1,860,874; May 31.
Holder, Pen. L. H. Ashmore. 1,847,163; Mar. 1.
Holder, Pen. G. Winchell. 1,843,647; Feb. 2.
Holder, Pencil. J. P. McEnery. 1,873,614; Aug. 23.
Holder, Pencil. C. Schmid. 1,848,224; Mar. 8.
Holder, Pencil. G. A. Shoog. 1,890,134; Dec. 6.
Holder, Photographic roll. J. S. Greene. 1,890,324; Dec. 6.
Holder, Piezo electric crystal. A. M. Trogner. 1,870,698; Aug. 9.
Holder, Pipe. T. W. Adair. 1,849,216; Mar. 15.
Holder, Pipe. M. W. Carroll. 1,852,695; Apr. 5.
Holder, Pipe. M. W. Carroll. 1,856,905; Apr. 3.
Holder, Pipe, cigar or cigarette. G. W. Davis. 1,886,377; Nov. 8.
Holder, Placard board. F. A. Isaacson. 1,870,731; Aug. 9.
Holder, Portable electrode. E. Chapman. 1,884,570; Oct. 25.
Holder, Price ticket. P. Hopp. 1,864,491; June 21.
Holder, Razor. S. T. Alabiso. 1,882,688; Oct. 18.
Holder, Razor blade. H. L. Dessell. 1,860,454; May 31.
Holder, Razor blade. J. D. Kinsley. 1,847,765; Mar. 1.
Holder, Record card. L. E. Hutchings. 1,845,484; Feb. 2.
Holder, Road map. T. J. Brackett. 1,842,743; Jan. 26.
Holder, Roll. W. H. Marsh. 1,889,024; Nov. 29.
Holder, Roll paper. J. W. McClintock. 1,840,120; Jan. 5.
Holder, Running board luggage. H. Lonschein. 1,887,653; Nov. 15.
Holder, Sack. E. E. Beadle. 1,868,269; July 19.
Holder, Sack. L. Malicay. 1,862,413; June 7.
Holder, Sack. L. L. Weakley. 1,858,649; May 17.
Holder, Safety door. F. F. Wandtke. 1,852,990; Apr. 5.
Holder, Safety license tag. A. C. Logan. 1,886,703; Nov. 8.
Holder, Safety pencil. C. Walker. 1,848,980; Mar. 8.
Holder, Safety solder-supporting. R. McClarkey and L. C. Huffman. 1,877,727; Sept. 13.
Holder, Sandpape:. R. Montbriand. 1,858,899; May 17.
Holder, Sandpaper. E. B. Walker. 1,844,996; Feb. 16.
Holder, Sandwich. M. Morales. 1,869,609; Aug. 2.
Holder, Sanitary. L. B. Dacus. 1,850,663; Mar. 22.
Holder, Sanitary carton. W. J. Raney. 1,869,944; Aug. 2.
Holder, Sanitary razor strop. W. O. Anderson. 1,850,007; Sept. 27.
Holder, Sanitary toothbrush. J. Amelotte. 1,866,001; July 5.
Holder, Sash. H. J. Aurlie. 1 845,014; Feb. 16.
Holder, Sash. S. Roller. 1,850,310; Apr. 26.
Holder, Sash. S. Resca. 1,859,866; Aug. 2.
Holder, Score card. M. M. Blackburn. 1,857,934; May 10.
Holder, Seed. E. H. Hickok. 1,886,138; Sept. 27.
Holder, Shade. A. C. Fildis. 1,846,634; Feb. 23.
Holder, Shade. J. A. Volk. 1,855,655; Nov. 1.
Holder, Shade. D. E. Worrell. 1,845,109; Feb. 16.
Holder, Sheath cutlery. S. Barendse and L. Garreau. 1,870,941; Aug. 9.
Holder, Shelf and label. F. M. Zimmerman. 1,872,053; Aug. 16.
Holder, Shoulder strap. T. Fester. 1,869,933; Aug. 2.
Holder, Shoulder strap. F. R. Tomlinson. 1,849,321; Mar. 15.
Holder, Sign. E. Bernstein. 1,873,178; Aug. 23.
Holder, Soap. A. C. Schnake. 1,889,501; Nov. 29.
Holder, Sign. R. W. Sinclair. 1,887,394; Nov. 15.
Holder, Sign. A. H. Tabor. 1,840,176; Jan. 5.
Holder, Sign. M. Zadek. 1,857,423; May 10.
Holder, Size marker. S. Sarendse. 1,850,350; Mar. 8.
Holder, Sleeve. A. Kagi. 1,848,177; Mar. 8.
Holder, Slip. W. O. Critchfield. 1,844,744; Feb. 9.
Holder, Soap. J. Balestrieri. 1,859,092; May 24.
Holder, Soap. O. F. Baltziey. Des. 86,990; May 24.
Holder, Soap. H. J. Greenwood. 1,853,808; Apr. 12.
Holder, Soap. H. W. Hinde. 1,891,006; Jan. 5.
Holder, Soft collar. G. J. Ber. 1,880,168; Sept. 27.
Holder, Spice can. C. A. Johnsen. 1,892,340; Dec. 27.
Holder, Spool. A. Morito. 1,884,902; Oct. 25.
Holder, Storage battery. J. M. Newton. 1,873,460; Aug. 23.
Holder, Supply. H. Armitage. 1,869,731; Aug. 2.
Holder, Supply. G. N. Taylor. 1,889,815; Dec. 6.
Holder, Syringe nozzle. J. C. Bradley. 1,850,442; Mar. 22.
Holder, Table electrode. B. Chapman. 1,884,570; Oct. 25.
Holder, Tag. D. Garfinkle. 1,856,945; May 3.
Holder, Tag. H. L. Glidden. 1,859,439; May 24.
Holder, Tap. M. H. Corley. 1,857,012; May 3.
Holder, Tap. H. Tompkins. 1,873,476; Aug. 23.
Holder, Tapping or tool. F. P. Miller and L. Skeel. 1,850,938; Mar. 22.
Holder, Textile package. L. J. O'Dowd. 1,884,817; Oct. 25.
Holder, Thread. W. A. Fusch. 1,855,285; Apr. 26.
Holder, Thread guide. C. Scheller. 1,871,240; Aug. 9.
Holder, Tie. O. W. Waller. 1,888,301; Nov. 22.
Holder, Time card. E. G. Watkins and H. E. Hobby 1,888,088; May 31.
Holder, Tool. G. A. De Vlieg. 1,883,611; Oct. 18.
Holder, Tool. J. Drazick. 1,860,988; May 31.
Holder, Tool. J. W. Glenzer. 1,863,168; June 14.
Holder, Tool. C. B. Gray. 1,883,713; Oct. 18.
Holder, Tool. F. T. Harrington. 1,862,623; June 14.
Holder, Tool. H. A. Myers. 1,872,790; Aug. 23.
Holder, Tool. J. N. Peterson. 1,864,466; June 21.
Holder, Tool. F. Raffles. 1,888,289; Nov. 22.
Holder, Tool. H. Ryder. 1,863,181; June 14.
Holder, Tool. C. S. Withers. 1,840,801; Jan. 12.
Holder, Toothbrush. D. Bellock. 1,870,276; Aug. 9.
Holder, Toothbrush. H. W. Munro. 1,847,253; Mar. 1.
Holder, Toothbrush. G. F. Voight. 1,864,874; June 28.
Holder, Toothpaste and shaving cream tube. I. G. Robinson. 1,887,720; Nov. 15.
Holder, Toothpick. H. P. C. Beck. 1,870,162; Aug. 2.
Holder, Toothpick. P. Constantine. Des. 86,762; Nov. 19.
Holder, Tooth pick. L. M. Johnson. 1,856,559; May 3.
Holder, Towel. J. S. Miller. 1,871,189; Aug. 9.
Holder, Tree. H. C. Krueger. 1,886,198; Nov. 1.
Holder, Trouser. C. G. Alexander. 1,856,064; May 3.
Holder, Tumbler. J. Pudliner. Des. 86,743; Apr. 12.
Holder, Twine. E. F. Pawsat. 1,888,865; Nov. 22.
Holder, Typewriter ribbon. J. H. Craig. 1,867,498; July 12.
Holder, Umbrella. W. B. Crumby. 1,850,497; Mar. 22.
Holder, Umbrella. H. H. Kuehner. 1,845,881; Feb. 16.
Holder, Universal writing implement. E. Levin. 1,854,412; Apr. 19.
Holder, Utensil. D. M. Brownson. 1,864,039; June 21.
Holder, Utensil. R. L. Martin. 1,861,508; June 7.
Holder, Vacuum article. A. Schaff. 1,845,196; Feb. 16.
Holder, Vacuum tube. W. W. Robinson. 1,852,834; Apr. 5.
Holder, Vessel. R. Jelinek. 1,867,571; July 19.
Holder, Visible record and leaf. H. A. Consor. 1,862,842; June 14.
Holder, Washing machine tub. J. L. Perkins and H. D Croft. 1,847,665; Mar. 1.

Holder, waste vessel and adapter. Combination instrument. J. R. Hart. 1,858,068; May 17.
Holder, Waterless gas. A. H. Dyckerhoff. 1,880,914; Oct. 4.
Holder, Waterless gas. Z. Ishikawa. 1,852,971; Apr. 5.
Holder, Waterless gas. H. C. A. Meyer. 1,864,924; June 28.
Holder, Welding torch. V. E. Sprouse. 1,845,207; Feb. 16.
Holder, Windshield wiper. A. Ellerby. 1,866,402; July 5.
Holder with antirattler means, Sash. R. T. Axe. 1,869,650; Aug. 2.
Holder, Work. H. E. Schneider. 1,840,470; Jan. 12.
Holder, Writing instrument. J. W. Fitz Gerald. 1,889,402; Nov. 29.
Holder, Yarn. D. Podlysky. 1,848,748; Mar. 8.
Holders, Inserting and securing objects in the open ends of. V. L. Oestnaes, R. W. Luce, and L. M. Merrill. 1,884,155; Oct. 25.
Holders, Making a bit. E. P. Stenger. 1,841,069; Jan. 12.
Holders, Manufacture of candle. A. W. Krieg. 1,879,816; Sept. 27.
Holders, Process and apparatus for manufacturing candle. J. E. Preston and S. Sokolow. 1,878,322; Sept. 20.
Holding device for bell, Device for. H. L. Ottenheimer. 1,858,787; May 17.
Holding device. H. A. Allendorf. 1,887,145; Nov. 8.
Holding device. B. L. Chafee. 1,847,471; Mar. 1.
Holding device. R. R. Clark and R. A. Fontaine. 1,865,558; July 5.
Holding device. L. E. Norton. 1,842,913; Jan. 26.
Holding device for piece goods in suspended lines. M. Angerpointner. 1,864,114; June 21.
Holding device for reflecting elements. G. E. Munch. 1,852,435; Oct. 11.
Holding means, Crushing mill concave. H. H. Rumpel. 1,886,908; Nov. 8.
Holding means for brushes. L. B. Terhune. 1,885,651; Nov. 1.
Holding means for glass globes. G. J. Willman. 1,859,720; May 29.
Holding members for reenforcement tensioning means. H. Sorenson. 1,867,185; July 12.
Hole cleaner. L. L. Richardson. 1,864,148; June 21.
Hole reaming and straightening device. J. J. Santiago. 1,844,371; Feb. 9.
Hole straightener. J. J. Santiago. 1,890,022; Dec. 6.
Hole straightener, Collapsible. J. J. Santiago. 1,864,274; June 21.
Holes, Apparatus for forming countersunk. L. E. Poole. 1,856,726; May 3.
Holes for concrete footings, Preparing. B. E. and J. A. Berryman. 1,886,584; Apr. 19.
Holes in gas lines and the like, Device for plugging. C. H. Stitt. 1,842,698; Jan. 26.
Holes in metal castings, Forming tapered. F. B. Corey. 1,872,899; Aug. 23.
Holes in statistical or like record cards, Apparatus for punching. F. G. S. English. 1,871,597; Aug. 16.
Holes in the ground, Method of and apparatus for making. L. S. Gaty. 1,871,601; Aug. 16.
Hollow articles, Method and apparatus for the manufacture of. W. F. Darsha. Reis,334; Jan. 19.
Hollow-ware articles, Molding. V. E. Schmiedeknecht. 1,882,652; Oct. 11.
Hollow spaces through a narrow opening, Appliance for examination of. G. Loeck. 1,848,788; Mar. 8.
Holster. E. E. Clark. 1,876,613; Sept. 13.
Holster. R. Sarson. 1,860,601; May 31.
Holster, Attachment for pistol. P. J. Noel. 1,886,718; Nov. 8.
Holster, Boy's pistol. A. C. Preisig. Des. 86,635–6; Mar. 29.
Holster, Pistol. J. R. Denkert. 1,851,352; Mar. 29.
Holster, Pistol. F. Peters. 1,842,981; Jan. 26.
Holster, Pistol. P. J. Noel. 1,887,780; Nov. 15.
Hone. M. N. Prange. 1,886,584; Nov. 8.
Hone, Pneumatic. A. J. O'Brien. 1,850,847; Mar. 22.
Hone, Safety razor blade. E. L. Ireland. 1,841,409; Jan. 19.
Honey extractor. E. W. Hope. 1,886,954; Nov. 8.
Honey frame cleaning machine. C. I. Everett. 1,881,354; Oct. 4.
Honey, Treating. N. J. Stratton. 1,854,430; Apr. 19.
Honey uncapping machine. O. Meyer. 1,864,074; Oct. 25.
Honing device. J. Gouldbourn and F. Ricks. 1,867,623; July 19.
Honing device for cylinders. J. Sunnen. 1,846,371; Feb. 23.
Honing machine. A. M. Johnson. 1,872,746; Aug. 23.
Honing machine. A. M. Johnson. 1,877,881; Sept. 20.
Honing machines, Blade feed for. T. C. Sheehan. 1,848,204; Mar. 8.
Hood and radiator shell or similar article, Combined vehicle. F. Ash. 1,852,011; Oct. 11.
Hood cushion. F. L. Haushalter. 1,842,607; Jan. 26.
Hood for baby carriages. J. A. Mahr. 1,854,377; Apr. 19.
Hood for cigar and cigarette lighters, Protecting. W. W. Sackett. 1,877,362; Sept. 13.
Hood handle and carburetor air intake. J. R. Holmes. 1,876,679; Sept. 13.
Hood lacing. A. B. Werdehoff. 1,872,539; Aug. 16.
Hood, Life-saving. A. Belloni. 1,878,434; Sept. 20.
Hood lock. J. C. Ellison. 1,870,360; Aug. 9.
Hood lock. A. R. Lucie. 1,890,818; Dec. 13.
Hood, radiator, and fender assemblage for automobiles. A. E. Nortlup. Des. 86,930; May 10.
Hood rest. L. Kulka. 1,872,497; Aug. 16.
Hood, Welder's. J. S. Norton. 1,839,803; Jan. 5.
Hood, Welder's. J. S. Norton. 1,854,272; Apr. 19.
Hood, Welder's. J. S. Norton. 1,877,024; Sept. 13.
Hook: *See*—
Adjustable hook.
Airplane hook.
Automatic check hook.
Back band hook.
Cargo hook.
Chain hook.
Choker hook.
Corn husking hook.
Curtain hook.
Detachable plait hook.
Display and dispensing hook.
Door hook.
Drapery and heading hook
Drapery hook.
Draw hook.
Fishing hook.
Grab hook.
Hairpin hook.
Lifting hook.
Logging hook.
Metal hoop.
Mud hook.
Multiple hook.
Picture hook.
Printer's hook.
Printer's register hook.
Safety hook.
Safety snap hook.
Scrub hook.
Sleeve lock sling hook.
Snap hook.
Suspender hook.
Tape hook.
Tire chain hook.
Tubing hook.
Hook and cutter, Combination. R. F. Lamb. 1,855,975; Apr. 26.
Hook and knot forming machine. C. Kirchner. 1,860,582; May 31.
Hook for a gut string polishing machine. G. L. Matthews. 1,863,864; June 21.
Hook for aircraft cargo handling apparatus. M. Castro. 1,873,822; Aug. 23.
Hook for doors. A. Brophy. 1,866,247; July 5.
Hook for parachute harness, Snap. M. H. St. Clair. 1,877,702; Sept. 13.
Hook for safety belts, Attachment. H. E. Campbell. 1,883,544; Oct. 18.
Hook for screen doors, Safety. B. Capra. 1,868,693; July 26.
Hook guard. J. C. Yingling. 1,849,816; Mar. 15.
Hook rule. C. M. Nicholson and E. Anderson. 1,882,865; Oct. 18.
Hook: *See*—
Order and message hoop.
Hoop tightening device. F. Schaefer. 1,841,156; Jan. 12.
Hopper. F. B. Allen. 1,867,794; July 19.
Hopper, Agitated weighing. W. L. Hart. 1,881,052; Oct. 4.
Hopper, Ash. H. E. Preston. 1,882,445; Oct. 11.
Hopper construction for laundries, etc. J. Storch. 1,886,916; Nov. 8.
Hopper construction for stokers. R. L. Beers. 1,839,826; Jan. 5.
Hopper feed. W. A. Rosenberger. 1,843,460; Feb. 2.
Hopper, Feed apparatus. L. A. Frayer. 1,873,377; Aug. 23.
Hopper, Flask. L. A. Camerota. 1,854,154; Apr. 12.
Hopper for incinerator flues, Feed. E. Breitwieser. 1,880,370; Oct. 4.
Hopper for railway cars, Cast metal. P. W. Kiefer. Reis,656; Nov. 18.
Hopper for railway cars, Cast metal. P. W. Kiefer. 1,841,480; Jan. 19.
Hopper, Knockdown grain drill. S. W. Cady and G. M. Kriegbaum. 1,864,294; June 21.
Hopper mechanism. Locomotive ash. S. J. Raetz. 1,886,806; Nov. 22.
Hopper mount for roll coating machines. H. E. Van Derhoef. 1,880,605; Oct. 4.
Hopper, Weighing. H. H. Barber. 1,882,737; Oct. 18.
Hopper, Weighing. C. E. Constable. 1,868,827; July 26.
Hops and/or extracting oils and resin therefrom, Process of and apparatus for drying. L. Weber. 1,873,167; Aug. 23.
Hops from the vine, Drying and removing. R. Langevin. 1,849,010; Mar. 8.
Horizon for Sextants, Artificial. W. Habel. 1,891,641; Dec. 20.
Hormone and obtaining same. S. Fraenkel. 1,890,373; Dec. 6.
Hormone of the anterior lobe of the pituitary gland, Recovery of a highly purified. M. Dohrn and W. Hohlweg. 1,868,095; July 19.
Hormones and manufacture of same, Sexual. E. P. Hüusler. 1,860,287; May 24.
Horn. J. M. Auñero. 1,874,078; Aug. 30.
Horn. J. M. Auñero. 1,883,458; Oct. 18.
Horn. V. W. Busch. 1,890,719; Dec. 13.
Horn. H. Hueber. 1,862,086; June 7.
Horn. C. M. Lee. 1,865,473; July 5.
Horn. M. Tibbetts. 1,853,709; Apr. 12.
Horn, Amplifying. J. J. Auerhaan. 1,885,403; Nov. 1.
Horn, Automobile. M. E. Cheney. 1,848,935; Mar. 8.
Horn construction. H. Hueber and E. C. Horton. 1,841,535; Jan. 19.
Horn construction. W. Paulus. 1,868,250; July 19.
Horn for auditorium sound reproduction. E. W. Kellogg. 1,849,840; Mar. 15.
Horn, Multitone. E. C. Horton and H. Hueber. 1,843,084; Jan. 26.
Horn projector. R. M. Critchfield. 1,847,754; Mar. 1.
Horn, Signal. J. C. McCune. 1,881,211; Oct. 4.
Horn, Suction. H. C. Heath. 1,865,006; June 28.

Horn, Vacuum operated. J. C. McCune and S. Johnson, jr. Re18,682; Dec. 6.
Horological savings device, Electric. J. E. Wheeler, 1,858,532; May 17.
Horoscope. R. Spencer. Des. 87,602; Aug. 16.
Horoscopes, Apparatus for casting. F. Ploner, 1,880,476; Oct. 4.
Horse, Collapsible. M. C. Logan and J. E. Philpott, 1,881,755; Oct. 11.
Horse-collar, Adjustable. E. Miller, 1,879,391; Sept. 27.
Horse collar machine. F. M. Heath, 1,840,197; Jan. 5.
Horse, rocking chair, and the like, Rocking. Z. Zivkovic, 1,891,131; Dec. 13.
Horseshoe. R. Ira. 1,889,856; Dec. 6.
Horseshoe. H. R. Savidge. 1,855,843; Apr. 26.
Horseshoe calk. A. R. Swanstrom. 1,862,499; June 7.
Horseshoe calk, Detachable. C. G. Akerberg. 1,875,405; Sept. 6.
Horseshoe, Pitching. A. R. Swanstrom. 1,850,816; Mar. 22.
Horseshoe with metal reenforcement, Elastic. P. Harsem. 1,861,695; June 7.
Horticultural scalding apparatus. A. Vedrinsky. 1,842,791; Jan. 26.
Hose. H. E. Morse. Des. 88,666; Dec. 13.
Hose and automatic valve, Combination filler. F. E. Cottrell. 1,864,578; June 28.
Hose and connection, Flexible. F. C. Richardson. 1,857,821; May 10.
Hose coupling assembly. C. Lamb. 1,847,218; Mar. 1.
Hose and making, Seamless. J. M. Allen. 1,857,775; May 10.
Hose and the like, Apparatus for finishing knitted. G. Hunt. 1,840,814; Jan. 12.
Hose clamp. H. E. Disler and E. E. Deacon. 1,876,639; Sept. 13.
Hose clamp. L. E. Donald. 1,847,475; Mar. 1.
Hose clamp. A. D. Stoddard. 1,853,584; Apr. 12.
Hose clamp. C. M. Terry. 1,844,023; Feb. 9.
Hose clip. F. Müchler. 1,849,948; Mar. 15.
Hose connection, Air. A. S. Marchus. 1,845,922; Feb. 16.
Hose connection for faucets. S. M. Kass. 1,868,798; July 26.
Hose connection, High pressure. R. C. Croslen. 1,843,124; Feb. 2.
Hose coupling. N. B. Braly. 1,861,296; May 31.
Hose coupling. J. F. Cantell. 1,841,009; Jan. 12.
Hose coupling. W. B. Dean. 1,844,734; Apr. 19.
Hose coupling. J. DeMooy. 1,873,304; Aug. 23.
Hose coupling. J. R. Farr. 1,852,962; Apr. 5.
Hose coupling. H. W. Goodall and J. W. Walsh. 1,874,284; Aug. 30.
Hose coupling. C. C. Hansen. 1,858,992; May 17.
Hose coupling. H. Lange. 1,843,394; Feb. 2.
Hose coupling. B. Lefkowitz. 1,850,435; June 7.
Hose coupling. E. Lefkowitz. 1,890,061; Dec. 6.
Hose coupling. J. Litschge. 1,845,882; Feb. 16.
Hose coupling. A. D. Penn. 1,839,358; Jan. 5.
Hose coupling. A. Schaller. 1,864,861; June 28.
Hose coupling. J. C. Schellin. 1,888,741; Nov. 22.
Hose coupling. E. J. Shaffer. 1,857,877; Nov. 15.
Hose coupling. L. R. Smith. 1,851,992; Apr. 5.
Hose coupling. A. L. Wallace. 1,861,408; May 31.
Hose coupling assembling machine. J. R. Heldloff. 1,886,807; Nov. 8.
Hose coupling, Fire. G. A. Hargreaves. 1,890,290; Dec. 6.
Hose coupling, Heavy duty. H. Lange. 1,860,038; May 24.
Hose coupling, Threadless. E. F. Ross. 1,853,578; Apr. 12.
Hose drier. L. L. and D. M. Polk. 1,841,450; Jan. 19.
Hose fitting. B. Dick. 1,851,078; Mar. 15.
Hose fitting for air brakes. B. B. Greer. 1,866,644; July 12.
Hose, Flexible metal. P. MacKenzie. 1,859,449; May 24.
Hose, Flexible ventilating. W. H. Evans. 1,863,624; June 21.
Hose, Manufacturing rubber. H. Pahl. 1,878,885; Sept. 20.
Hose, Method and apparatus for making. C. C. Cadden. 1,886,639; Nov. 8.
Hose, Method and apparatus for making. W. D. Eakin. 1,886,658; Nov. 8.
Hose nozzle handle. D. McPherson. 1,876,718; Sept. 13.
Hose reel. R. F. Brown. 1,870,322; Aug. 9.
Hose reel. H. F. Kieneman. 1,850,676–7; Mar. 22.
Hose reel. A. Ludwig. 1,881,764; Oct. 11.
Hose reel. C. R. Marshall and F. D. Marshall. 1,886,207; Nov. 1.
Hose reel. C. Nuhring. 1,890,323; Dec. 13.
Hose reel. J. J. Rayfield. 1,881,952; Oct. 11.
Hose reel and sprinkler, Combination. A. B. Harris. 1,881,539; Oct. 11.
Hose Rotary. R. W. Wagner and W. MacConnell. 1,852,632; Apr. 5.
Hose structure. D. M. Dunwoodie. 1,844,148; Feb. 9.
Hose timer. D. Elder. 1,857,627; May 10.
Hosiery. E. H. Beacham. 1,849,783; Mar. 15.
Hosiery. E. J. Berger. Des. 86,349; Mar. 1.
Hosiery. W. McC. Cameron and F. J. Williams. 1,884,560; Oct. 25.
Hosiery. A. R. Earnshaw. 1,842,592; Jan. 26.
Hosiery. L. L. Goodman. 1,864,017; June 21.
Hosiery. E. W. Sachsenmaier. 1,888,889; Nov. 22.
Hosiery. H. Schönfeld. 1,849,593; Mar. 15.
Hosiery. W. L. Thompson. 1,842,130; Jan. 19.
Hosiery. C. W. Tobin. 1,885,567; Nov. 1.
Hosiery. M. P. Vogler. Des. 87,372; July 12.
Hosiery and making same. A. E. Margerison and C. R. Hahn. 1,878,416; Sept. 20.
Hosiery and making the same. O. U. Zerk. 1,852,138; Apr. 5.
Hosiery and product thereof, Making. J. C. Decker and F. Aull. 1,869,364; July 26.
Hosiery and production, Full fashioned clocked. F. E. Struve. 1,859,318; May 24.
Hosiery and the like, Apparatus for conditioning. W. H. Gosch and H. W. Sherman. 1,848,474; Mar. 8.
Hosiery and the like, Apparatus for drying. J. W. Dennis. 1,848,050; Mar. 1.
Hosiery, Device for pairing. J. A. Dodd. 1,859,817; May 24.
Hosiery drier. E. Kerler. 1,874,757; Aug. 30.
Hosiery drying structure. P. L. La Montagne and T. W. Prosser. 1,848,486; Mar. 8.
Hosiery frame, Flat. A. Richter. 1,846,276; Feb. 23.
Hosiery frame, Flat. A. Richter. 1,847,498; Mar. 1.
Hosiery frame, Flat. G. Thierfelder. 1,890,200; Dec. 6.
Hosiery knitting machine, Flat. R. Nebich. 1,857,737; May 10.
Hosiery knitting machines, Device for regulating the drawoff motion on full fashioned. W. Nutt, L. H. Kivett and D. E. Scott. 1,842,720; Jan. 26.
Hosiery machines, Device for coarse and fine setting of the loop length in flat. P. Lieberknecht. 1,867,703; July 19.
Hosiery, Mechanism for knitting full-fashioned. E. Richter. 1,873,035; Aug. 23.
Hosiery or the like. J. A. Struthers. Des. 86,339; Feb. 23.
Hosiery or the like. J. A. Struthers. Des. 86,491–3; Mar. 8.
Hosiery or the like. J. A. Struthers. Des. 86,648; Mar. 29.
Hosiery package. W. H. Gosch. 1,872,936; Aug. 23.
Hosiery, Reenforced and runproof. A. Carson. 1,856,745; May 3.
Hosiery repair machine. V. Anderson. 1,843,911; Feb. 9.
Hosiery, Right and left full-fashioned foot. V. Krick. Re18,548; Aug. 2.
Hosiery, Right and left full-fashioned-foot. V. Krick. 1,859,335; May 24.
Hospital device or appliance. L. J. Clewley. 1,866,397; July 5.
Hospital table. F. B. Harman. 1,889,783; Dec. 6.
Hospital table. F. Kusterle. 1,883,974; Oct. 25.
Hospital table. L. Rose. 1,867,763; July 19.
Hot air furnace. A. C. Watson. 1,886,506; Nov. 8.
Hot air furnace. W. J. Miller. 1,891,936; Dec. 27.
Hot bed. A. Van Damme and H. Maenner. 1,841,509; Jan. 19.
Hot chip. H. R. Sage. 1,861,981; June 7.
Hot cap applier for plants. W. D. Wright. 1,887,387; Nov. 8.
Hothouse installation. O. Happel. 1,870,329; Aug. 9.
Hot metal mixer. J. S. Mohr, and W. G. Born. 1,850,330; Mar. 22.
Hot top for ingot molds. W. H. Haws. 1,892,464; Dec. 27.
Hot water boiler. T. W. Dahlquist. 1,842,388; Jan. 26.
Hot water boiler. E. J. Wild. 1,855,077; Apr. 19.
Hot water heater. J. F. Mayerhofer. 1,868,423; July 19.
Hot water heater, Duplex domestic. G. M. Conekin. 1,854,250; Apr. 19.
Hot water heater, Electric. L. B. Hyde. 1,876,053; Sept. 6.
House; *See*—
Bag house.
Chicken house.
Collapsible and transportable house.
Farrowing house.
Folding play house.
Poultry brooding house.
House and pen. Sanitary hog. J. C. Fitzpatrick. 1,875,433; Sept. 6.
House for pigs, Brooder. G. I. Hinsvark. 1,876,503; Sept. 6.
Household appliance. F. J. R. Karlström and J. G. Nord. 1,861,924; June 7.
House number. M. Yeck. 1,856,012; Apr. 26.
House number and mail chute, Combination. W. H. Sherick. 1,863,526; June 14.
House wiring structure. G. Carlson and H. G. Knoderer. 1,888,847; Nov. 22.
Housing and mounting for the electrode chambers of luminescent tubes and the like. G. Lamy. 1,890,617; Dec. 13.
Housing assembly, Lock. E. J. Van Sickel. 1,854,495; Apr. 19.
Housing, Axle. T. V. Buckwalter. 1,860,702; May 31.
Housing, Axle. R. H. Williams. 1,880,305; Oct. 4.
Housing, Ball bearing. A. O. Hurxthal. Re18,486; May 31.
Housing, Connecter. G. M. Wright and S. B. Smith. 1,882,876; June 14.
Housing, Control rod. R. K. Winning. 1,878,357; Sept. 20.
Sheet metal house.
Smoke house.
Storage house.
Switch house.
Tourist house.
Toy house.
Wooden plank house.

Housing, Electrode. W. S. Hough. 1,872,593; Aug. 16.
Housing for electrical devices. A. G. Steinmayer. 1,882,720; June 14.
Housing for hand brake winding mechanism. R. W. Burnett. 1,870,985; Aug. 9.
Housing for oil burners and the like. F. L. Hammer. Des. 86,883; May 3.
Housing for refrigerating plants, Float valve. R. L. Myers. 1,859,932; May 24.
Housing for rotary gears. F. C. Fantz. 1,874,003; Aug. 30.
Housing for universal joints. C. Gerold. 1,883,688; Oct. 18.
Housing for universal joints. C. Gerold. 1,887,755; Nov. 15.
Housing, Interrupter gear. J. F. Martin. 1,858,675; May 17.
Housing, Lamp. M. C. Hanson. Des. 87,390; July 19.
Housing, Pipe threading die. W. O. Thewes. Des. 87,245; June 21.
Housing, Pipe union. E. Dietze. 1,870,040; Aug. 2.
Housing, Rocker arm. A. M. Niven. 1,874,333; Aug. 30.
Housing, Rolling mill. J. R. Coe. 1,875,220; Aug. 30.
Housing, Scale. W. Timson. Des. 87,985; Oct. 18.
Housing, Split axle. O. J. Horger. 1,871,061; Aug. 9.
Housing structure, Collapsible and transportable. J. P. Quinn. 1,863,206; June 14.
Hover and brooder, Ultra-violet ray. K. I. Miller. 1,839,575; Jan. 5.
Hub and axle construction. F. G. Hughes. 1,842,971; Jan. 26.
Hub and lock, Propeller. R. A. Coffman. 1,843,206; Feb. 2.
Hub and the like, Metal. C. W. Mansur. 1,852,814–15; Apr. 5.
Hub assemblies from axles, Device for removing. F. Swihart. 1,859,344; May 24.
Hub cap. F. W. C. Neuner. 1,845,323; Feb. 16.
Hub cap. J. S. Reid. 1,857,659; May 10.
Hub cap for vehicle wheels. M. Kuniholm. 1,861,278; May 31.
Hub closure for mine car wheels. B. F. Faunce. 1,881,071; Oct. 4.
Hub construction for truck wheels. L. D. Kay. 1,874,192; Aug. 30.
Hub for crank hangers and wheels of bicycles. J. G. Kopsky. 1,856,503; May 3.
Hub for cultivator disks, Dirtproof. R. R. Rea. 1,876,749; Sept. 13.
Hub for protecting tires, Insulating. A. J. Musselman. 1,841,336; Jan. 12.
Hub for small propellers. F. W. Caldwell. 1,870,401; Aug. 9.
Hub, Propeller. S. T. Carter. 1,865,170; June 28.
Hub puller. J. G. Elder. 1,873,322; Aug. 23.
Hub puller. G. B. Rick. 1,860,420; June 28.
Hub shell construction. R. S. Begg. 1,843,967; Feb. 9.
Hub shells, Manufacturing vehicle wheel. W. N. Booth. 1,854,246; Apr. 19.
Hub wear plate, Wheel. J. Purcell. 1,869,390; Aug. 2.
Hubs and flange disks, Making integral. J. W. Hughes. 1,850,395; Mar. 22.
Hubs, Apparatus for forming wheel. J. E. Batie. 1,853,952; Apr. 12.
Hubs, Attachment for. A. Koyen. 1,871,619; Aug. 16.
Hubs, Making wheel. W. N. Booth. 1,876,893; Sept. 6.
Hubs, Making wheel. C. L. Eksergian and J. F. Tarbox. 1,840,941; Jan. 12.
Hubs, Method of and apparatus for removing. R. A. Kaplan. 1,889,750; Dec. 6.
Hull. L. Ghirardi. 1,864,997; June 28.
Hull extractor. T. Elliott. 1,850,934; Oct. 4.
Hull of ships. J. W. Goodyear. 1,877,235; Sept. 13.
Hull structure. W. L. Hale. 1,885,198; Nov. 1.
Hull unit for air and water craft. S. E. Hitt. 1,851,279; Mar. 29.
Hum balancer. N. C. Schellenger. 1,885,633; Nov. 1.
Hum reducer, Interelement capacities in vacuum tubes, Preventing. W. L. Krahl. 1,862,020; June 7.
Humidifier. J. Armstrong. 1,858,724; May 17.
Humidifier. S. Cramer. 1,849,710; Mar. 15.
Humidifier. R. J. Dever. 1,867,064; July 12.
Humidifier. M. L. Fox. 1,861,340; May 31.
Humidifier. H. A. Greenwald. 1,865,563; July 5.
Humidifier. G. B. Hulick. 1,853,420; Apr. 12.
Humidifier. F. J. Hoersting. 1,858,329; May 17.
Humidifier. W. C. Hopson. 1,867,835; July 19.
Humidifier. W. D. Jordan. 1,856,918; May 3.
Humidifier. C. H. Kelsea and C. I. Geddes. 1,876,959; Sept. 13.
Humidifier. C. T. Kennedy and C. W. Vandermark 1,848,899; Mar. 8.
Humidifier. C. J. Lehn. 1,839,234; Jan. 5.
Humidifier. L. F. Perkett. 1,871,277; Aug. 9.
Humidifier. M. Persons. 1,838,844; Nov. 22.
Humidifier. H. J. Somers. 1,845,728; Feb. 16.
Humidifier. E. Southworth. 1,869,719; Aug. 2.
Humidifier. M. G. Steele. 1,857,770; May 10.
Humidifier. E. F. Steffens. Des. 88,587–9; Dec. 6.
Humidifier. G. O. Toepfer. 1,839,618; Jan. 5.
Humidifier. R. G. Yost and C. G. Schelly. Des. 86,817; Apr. 19.
Humidifier, Air. G. D. Doherty. 1,839,206; Jan. 5.
Humidifier and heater. J. E. Myers. 1,880,973; Oct. 4.
Humidifier and the like. N. H. Partridge. 1,842,489; Jan. 26.
Humidifier assembly. C. F. Warrick. 1,865,599; July 5.
Humidifier, Automatic electrical. C. V. Cavan. 1,843,865; Feb. 2.
Humidifier, Centrifugal. W. L. Dudley. 1,875,711; Sept. 6.
Humidifier for bake ovens. F. A. Hoppe. 1,878,519; Sept. 20.
Humidifier for explosion engines, Superheating. G. A. Bartholomew. 1,850,998; Mar. 29.
Humidifier for internal combustion engines. J. E. Myers. 1,852,852; Apr. 5.
Humidifier for unit heaters. E. C. Hanson and J. Soderholm. 1,862,184; June 7.
Humidifier, Internal combustion engine. M. E. Zimmerer. 1,889,584; Nov. 29.
Humidifier, Portable. W. G. R. Braemer. 1,864,797; June 28.
Humidifier, Portable. P. A. Rose. Des. 86,332; Feb. 23.
Humidifiers for explosive engines. G. A. Machin. 1,886,565; Nov. 8.
Humidifiers, Process and apparatus for. G. D. Harris. 1,853,419; Apr. 12.
Humidifying. W. F. Dryer. 1,880,903; Oct. 4.
Humidifying apparatus. F. A. and W. Anetsberger. 1,844,235; Feb. 9.
Humidifying apparatus. G. C. Brown. 1,880,758; Oct. 4.
Humidifying apparatus. E. L. Fonseca, E. M. Hunt, and M. J. Barnum. 1,889,017; Nov. 29.
Humidifying apparatus. F. W. Harris. 1,873,884; Aug. 23.
Humidifying apparatus. J. A. Mayers. 1,867,921; July 19.
Humidifying apparatus for space heaters. F. M. Young. 1,865,605; July 5.
Humidifying device. G. D. Harris. 1,853,421; Apr. 12.
Humidifying device. L. E. Jordon. 1,875,464; Sept. 6.
Humidifying device for hot air furnaces. E. Buehrer. 1,876,817; Sept. 20.
Humidifying system. J. Armstrong. 1,858,725; May 17.
Humidity, Apparatus for controlling. G. Buttfield. 1,844,942; Feb. 16.
Humidity control for cooking heaters. M. W. Faherty. 1,859,732; May 24.
Humidity indicator. F. S. Marcellus. Des. 88,810; Dec. 27.
Humidity measuring. E. Schneider. 1,855,774; Apr. 26.
Humidor. F. M. Cooney and G. T. Darragh. 1,866,621; July 12.
Humidor. I. J. Lichter. 1,865,700; July 5.
Humidor. R. H. McKee. 1,871,418; Aug. 9.
Humidor. L. A. Phillips. 1,880,275; Oct. 4.
Humidor. H. L. Rogers. 1,847,363; Mar. 1.
Humidor and advertising device, Combination. L. Unterberger. 1,877,436; Sept. 13.
Hutch, Animal. L. Meriaux. 1,870,957; Aug. 9.
Hutch, Rabbit. A. D. Stoner. Des. 88,368; Nov. 22.
Hutch, Rabbit. A. D. Stoner. 1,879,589; Sept. 27.
Hydrant. W. H. Lolley, B. Johnsen, and F. L. Wheeler. Des. 86,576; Mar. 22.
Hydrant attachment, Fire. E. L. Nuebling. 1,885,372; Nov. 1.
Hydrant, Fire. A. C. Pilcher. 1,882,299; Oct. 11.
Hydrant, Sanitary frostproof. P. Volk and A. J. Wuebben. 1,846,623; Feb. 23.
Hydrant thawer, Electric. L. B. Biglow. 1,850,256; Mar. 22.
Hydrant, Well. T. Ritchie. 1,888,359; Nov. 22.
Hydrator. R. J. Green. 1,887,125; Nov. 8.
Hydraulic apparatus for motor vehicles. H. F. Vickers. 1,859,010; Dec. 8.
Hydraulic brake. W. J. Andres. 1,841,696; Jan. 19.
Hydraulic brake. G. R. Brent. 1,880,194; Oct. 4.
Hydraulic brake. H. A. Masman. 1,847,335; Dec. 27.
Hydraulic brake. P. R. Kauffman. 1,891,793; Dec. 20.
Hydraulic brake. De F. Kellogg. 1,877,134; Sept. 13.
Hydraulic brake. H. A. Masman. 1,847,355; Mar. 1.
Hydraulic brake. A. D. Pentz. 1,881,240; Oct. 4.
Hydraulic brake. J. H. Peterson. 1,888,093; Nov. 15.
Hydraulic brake. W. E. Roth. 1,854,067; Apr. 12.
Hydraulic brake. C. R. Sharp. 1,887,737; Nov. 15.
Hydraulic brake. C. Waninger. 1,860,756; May 31.
Hydraulic brake. E. E. Youngren. 1,869,725; Aug. 2.
Hydraulic check. C. N. Mitchell. Re18,389; Mar. 22.
Hydraulic control for power transmission mechanism. L. R. Williamson. 1,869,084; July 26.
Hydraulic controller, Automatic. C. V. Foulds. 1,861,847; June 7.
Hydraulic coupling. J. N. Kiep. 1,868,146; July 19.
Hydraulic coupling. J. N. Kiep. 1,881,082–3; Oct. 4.
Hydraulic elevator. L. C. Stukenborg. 1,853,096; Apr. 12.
Hydraulic escapement device. C. C. Whittaker. 1,871,287; Aug. 9.
Hydraulic feed mechanism. A. Oberhoffken. 1,888,091; Nov. 15.
Hydraulic feed for rotary drilling. J. C. Fortune. 1,879,929; Sept. 27.
Hydraulic jack. H. W. Bolens. 1,880,732; Oct. 4.
Hydraulic jack. E. M. Pfauser. 1,873,473; Aug. 23.
Hydraulic jack. R. P. Rosenberry. 1,876,023; Sept. 6.
Hydraulic jack. L. C. Stukenborg. 1,853,095; Apr. 12.
Hydraulic machine. R. V. Terry. 1,858,566; May 17.

Hydraulic method of carrying the down-thrust of a deep-well turbine pump. J. A. Wintroath. 1,844,621; Feb. 9.

Hydraulic mining shovel. C. J. Dumbolton. 1,843,809; Feb. 2.

Hydraulic motor. J. De Francisci. 1,841,882; Jan. 19.

Hydraulic motor. W. Ferris. 1,845,257; Feb. 16.

Hydraulic operator, Quick release. W. J. Woods. 1,863,386; June 14.

Hydraulic operator, Quick release. W. J. Woods. 1,864,141; July 5.

Hydraulic operator, Quick release. W. J. Woods. 1,867,393; July 12.

Hydraulic pad. K. Anderson. 1,854,498; Apr. 19.

Hydraulic press. J. De Francisci. 1,848,699; Mar. 8.

Hydraulic press. W. Ernst. 1,847,073; Mar. 1.

Hydraulic press. W. Ernst and H. F. MacMillan. 1,870,500; Aug. 9.

Hydraulic press. H. F. MacMillin. 1,854,060; Oct. 25.

Hydraulic press. F. H. Smith. 1,851,138; Mar. 29.

Hydraulic press. A. C. Wisner. 1,866,383; July 5.

Hydraulic system for handling ashes and the like. T. Murray. 1,854,907; Apr. 19.

Hydraulic system for storing and dispensing water-immiscible liquids heavier than water. W. J. Peter. 1,845,622; Feb. 16.

Hydraulic system, Self-regulating. B. Sassen. 1,884,277; Oct. 25.

Hydraulic transmission apparatus. A. G. and E. M. Rayburn. 1,840,865; Jan. 12.

Hydraulic wheel. W. A. Martin. 1,866,476; July 5.

Hydrazo compounds and method of preparation. I. Ostromislensky. 1,863,763; June 21.

Hydroaeroplane. W. G. G. Weldiguer. 1,884,435; Oct. 25.

Hydroaircraft, Duo. O. E. Mantor. 1,879,700; Sept. 27.

Hydrobrake. E. J. Norton. 1,862,419; June 7.

Hydrocarbon, Apparatus for producing lower boiling point. C. P. Dubbs. 1,890,316; Dec. 6.

Hydrocarbon burner. H. Bacon. 1,839,527; Jan. 5.

Hydrocarbon burner. G. W. Leiman. 1,866,311; July 5.

Hydrocarbon burner. F. V. Risinger. 1,887,140; Nov. 8.

Hydrocarbon burner. R. R. Waterman. 1,839,512; Jan. 5.

Hydrocarbon compounds, Converting. E. W. Beardsley. 1,841,589; Jan. 19.

Hydrocarbon compounds, Converting. E. W. Beardsley and M. W. Colony. 1,842,319; Jan. 19.

Hydrocarbon compounds from natural gas, Production of. G. G. Lewis. 1,851,205; Mar. 29.

Hydrocarbon dephlegmation products, Treatment of. K. W. Bartlett. 1,882,269; Oct. 11.

Hydrocarbon distillates and apparatus used in connection therewith, System of treating. C. W. Stratford. 1,868,775; July 26.

Hydrocarbon distillates, Refining. H. Pease. 1,858,110; May 10.

Hydrocarbon engine. E. H. Towle. 1,881,149; Oct. 4.

Hydrocarbon gases, Process and apparatus for cracking. G. G. Oberfell and F. E. Frey. 1,847,258; Mar. 1.

Hydrocarbon jell composition, G. Klinkenstein. 1,848,568; Mar. 8.

Hydrocarbon materials, Preparing and cracking. F. A. Howard. 1,851,429; Mar. 29.

Hydrocarbon motor. R. M. Dilworth. 1,840,570; Jan. 12.

Hydrocarbon motor. A. Nilsson. 1,855,500; Apr. 26.

Hydrocarbon products by the action of a metallic halide and a partially chlorinated mineral oil of the carbo-cyclic series, Producing. F. A. Howard. 1,891,619; Dec. 20.

Hydrocarbon products, Manufacturing. W. O. Snelling. 1,880,189; Sept. 27.

Hydrocarbon products, Preparing. N. E. Loomis. 1,877,921; Sept. 20.

Hydrocarbon, Refining. P. Zurcher. 1,884,495; Oct. 25.

Hydrocarbon residues containing inorganic substances and product obtained thereby, Treatment of. R. T. Goodwin. 1,865,001; June 28.

Hydrocarbon, Treating. C. P. Dubbs. 1,891,199; Dec. 13.

Hydrocarbon treatment process and apparatus. H. T. Darlington. 1,884,586; Oct. 25.

Hydrocarbon, Unsaturated aliphatic. C. Krauch and M. Müller-Cunradi. 1,881,692; Oct. 11.

Hydrocarbon vapors, Separating. F. A. Howard and N. E. Loomis. 1,842,097; Jan. 19.

Hydrocarbon vapors, Treating cracked. C. B. Watson. 1,853,755; Apr. 12.

Hydrocarbons and apparatus therefor, Hydrogenation of. F. T. Snyder. 1,872,839; Aug. 23.

Hydrocarbons and derivatives thereof by the destructive hydrogenation of carbonaceous materials, Liquid and other. M. Pier and W. Simon. 1,845,439; Feb. 16.

Hydrocarbons and derivatives thereof by the destructive hydrogenation of carbonaceous materials, Liquid and other. M. Pier and W. Simon. 1,845,555; Feb. 16.

Hydrocarbons and producing coke and product thereof, Distilling. J. D. Fields. 1,864,720; June 28.

Hydrocarbons and the like, Apparatus for treating. C. P. Dubbs. 1,857,532; May 10.

Hydrocarbons and their derivatives, Hydrolysing the halides of the. S. J. Lloyd and A. M. Kennedy. 1,849,844; Mar. 15.

Hydrocarbons, Apparatus and process for treating. H. T. Darlington. 1,852,150; Apr. 5.

Hydrocarbons, Apparatus for converting. L. G. Leffer. 1,853,688; Apr. 12.

Hydrocarbons, Apparatus for converting. R. T. Pollock. 1,887,039; Nov. 8.

Hydrocarbons, Apparatus for cracking. J. D. Seguy. 1,843,742; Feb. 2.

Hydrocarbons, Apparatus for cracking and distilling. J. H. Anderson. 1,877,634; Sept. 13.

Hydrocarbons, Apparatus for treating. A. F. Clarke. 1,878,467; Sept. 20.

Hydrocarbons, Apparatus for treating. B. W. Rumbarger. 1,860,598; May 31.

Hydrocarbons, Apparatus for vacuum dehydration of. H. Magnus. 1,849,496; Mar. 15.

Hydrocarbons by catalytic cracking of petroleum oils, tars, or other similar starting materials, Apparatus for the manufacture of light. A. Joseph. 1,867,842; July 19.

Hydrocarbons by contact with hot gases, Cracking. W. K. Lewis. 1,865,195; June 28.

Hydrocarbons, Chlorinating. J. Söll and C. Runkel. 1,889,157; Nov. 29.

Hydrocarbons, Coking liquid. A. S. Knowles. 1,879,983; Sept. 27.

Hydrocarbons containing suspended or colloidal complexes, Clarification of. S. Swartz. 1,878,650; Sept. 20.

Hydrocarbons, Continuous treatment of. G. Cuttaneo, L. Edeleanu, W. Hess, P. Jodeck, and I. Rosenberg. 1,840,765; Jan. 12.

Hydrocarbons, Converting. C. P. Dubbs and J. G. Alther. 1,847,388; Mar. 1.

Hydrocarbons, Converting. C. P. Dubbs. 1,890,974; Dec. 13.

Hydrocarbons, Converting heavy. P. S. Danner. 1,869,799; Aug. 2.

Hydrocarbons, Cracking. G. Egloff. 1,843,664; Feb. 2.

Hydrocarbons, Cracking. E. C. Herthel. 1,842,753–4; Jan. 26.

Hydrocarbons, Cracking. E. C. Herthel. 1,859,966–7; May 24.

Hydrocarbons, Cracking. E. C. Herthel. 1,868,901; July 26.

Hydrocarbons, Cracking. E. C. Herthel. 1,872,949; Aug. 23.

Hydrocarbons, Cracking. E. C. Herthel. 1,878,849; Sept. 20.

Hydrocarbons, Cracking. E. C. Herthel and H. L. Pelzer. 1,853,614; Apr. 12.

Hydrocarbons, Cracking. E. Herthel and H. L. Pelzer. 1,857,128; May 10.

Hydrocarbons, Cracking. E. W. Isom. 1,854,937; Apr. 19.

Hydrocarbons, Cracking. E. W. Isom. 1,856,640; May 3.

Hydrocarbons, Cracking. E. W. Isom. 1,872,955; Aug. 23.

Hydrocarbons, Cracking. H. L. Pelzer. 1,845,554; Feb. 16.

Hydrocarbons, Cracking. H. L. Pelzer. 1,865,206; June 28.

Hydrocarbons, Cracking. H. I. Ringgenberg. 1,873,037; Aug. 23.

Hydrocarbons, Cracking. T. DeC. Tifft. 1,873,070; Aug. 23.

Hydrocarbons, Cracking and coking. H. L. Pelzer. 1,870,024; Aug. 23.

Hydrocarbons, Cracking and coking. G. H. Taber, jr., and E. W. Isom. 1,873,068; Aug. 23.

Hydrocarbons, Cracking and gasifying. J. H. Anderson. 1,887,112; Nov. 8.

Hydrocarbons, Cracking gaseous. J. A. Guyer and F. E. Frey. 1,847,242; Mar. 1.

Hydrocarbons, Cracking petroleum. A. D. David. 1,854,115; Apr. 12.

Hydrocarbons, Decomposition of. F. Porter. 1,874,801; Aug. 30.

Hydrocarbons, Decomposition of liquid. H. S. Nutting and H. H. Rowley. 1,887,658; Nov. 15.

Hydrocarbons, Distillation of. F. A. Howard. 1,843,560; Feb. 2.

Hydrocarbons from carbonaceous materials, tars, mineral oils, and the like, Production. M. Pier. 1,890,437; Dec. 6.

Hydrocarbons from gaseous or lower boiling hydrocarbon materials, Production of normally liquid. P. K. Frolich. 1,869,681; Aug. 2.

Hydrocarbons from producing sands, Obtaining. F. A. Howard. 1,842,098; Jan. 19.

Hydrocarbons from waste rubber and waste compounds containing rubber, Producing unsaturated. A. W. Schisler. 1,846,363; Feb. 23.

Hydrocarbons from wells, Obtaining. W. K. Lewis. 1,877,916; Sept. 20.

Hydrocarbons from wells, Obtaining. P. L. Young. 1,858,847; May 17.

Hydrocarbons in the emulsified state, Polymerizing butadiene. H. Lecher and A. Koch. 1,851,104; Mar. 29.

Hydrocarbons into volatile liquids, Polymerizing gaseous. F. E. Frey. 1,847,240; Mar. 1.

Hydrocarbons, Making halogenated. M. E. Putnam. 1,858,621; May 17.

Hydrocarbons, Manufacture of halogenated aliphatic. H. H. Dow. 1,841,279; Jan. 12.

Hydrocarbons, Manufacture of liquid. H. I. Waterman. 1,859,062; May 17.

Hydrocarbons, Manufacture of liquid. K. Winkler. 1,863,212; June 14.

Hydrocarbons, Method and apparatus for cracking. N. E. Loomis. 1,857,759; May 10.

Hydrocarbons, Method and apparatus for treating. E. W. Beardsley and M. W. Colony. 1,842,318; Jan. 19.
Hydrocarbons, Method and apparatus for treating. A. G. Davis. 1,880,851; Oct. 4.
Hydrocarbons, Method and apparatus for treatment of. I. W. Henry. 1,881,406; Oct. 4.
Hydrocarbons of high molecular weight, Oxidation of aliphatic. M. Lutner and W. Flemming. 1,874,322; Aug. 30.
Hydrocarbons of higher boiling point into those of lower boiling point, Conversion of. H. Zorn. 1,876,270; Sept. 6.
Hydrocarbons of low boiling point from olefines, Production of liquid. A. Mittasch, W. Frankenburger, and F. Winkler. 1,884,093; Oct. 25.
Hydrocarbons of low boiling point, Production of. E. Galle, G. Hofmann, and H. Zorn. 1,854,146; Apr. 12.
Hydrocarbons of low boiling point, Production of valuable. R. Wietzel and C. Fraundler. 1,844,998; Feb. 16.
Hydrocarbons of the butadiene series, Polymerizing. L. Van Zütphen. 1,885,653; Nov. 1.
Hydrocarbons, Operation of liquid. M. Luther and H. Klein. 1,864,079; June 21.
Hydrocarbons, Oxidation of polynuclear aromatic. A. O. Jaeger. 1,894,391; Feb. 16.
Hydrocarbons, Partial oxidation of gaseous. W. K. Lewis. 1,870,816; Aug. 9.
Hydrocarbons, Preparation of brominated. I. F. Harlow and O. C. Ross. 1,891,415; Dec. 20.
Hydrocarbons, Process and apparatus for converting. G. Egloff and W. A. Howard. 1,857,445; May 10.
Hydrocarbons, Process and apparatus for converting. A. Oberle. 1,869,978; Aug. 2.
Hydrocarbons, Process and apparatus for converting petroleum. W. M. Cross. 1,880,836; Oct. 4.
Hydrocarbons, Process and apparatus for cracking. N. E. Loomis and M. R. Meachum. 1,842,104; Jan. 19.
Hydrocarbons, Process and apparatus for cracking. H. Sydnor. 1,860,968; May 31.
Hydrocarbons, Process and apparatus for treating. H. J. Hall. 1,852,743; Apr. 5.
Hydrocarbons, Process and apparatus for treating. W. R. Howard. 1,865,189; June 28.
Hydrocarbons, Process and apparatus for treating. Universal Oil Products Company, J. D. Seguy. 1,888,051; Nov. 15.
Hydrocarbons, Process and apparatus for treating heavier. U. S. Jenkins, N. H. Ranstead and W. H. Hildebrandt. 1,852,972; Apr. 5.
Hydrocarbons, Producing. J. Maruhn and L. Tübben. 1,850,022; Mar. 15.
Hydrocarbons, Producing aromatic. H. K. Ihrig. 1,871,894; Aug. 16.
Hydrocarbons, Producing lower boiling point. C. P. Dubbs. 1,853,965; Apr. 12.
Hydrocarbons, Production of cracked. T. T. Gray. 1,846,803; Feb. 23.
Hydrocarbons, Production of ethylene. A. T. Maximoff. 1,870,859; Aug. 9.
Hydrocarbons, Production of liquid. M. Pier. W. Pungs, and R. Wietzel. 1,851,726; Mar. 29.
Hydrocarbons, Production of unsaturated. W. Reppe and U. Hofmann. 1,841,057; Jan. 12.
Hydrocarbons, Production of valuable. F. Winkler and H. Haeuber. 1,868,127; July 19.
Hydrocarbons, Purification of crude aromatic. A. O. Jaeger. 1,846,727; Feb. 23.
Hydrocarbons, Purifying petroleum. A. Oberle. 1,843,516; Feb. 2.
Hydrocarbons, Pyrolytic conversion of normally gaseous aliphatic. L. S. Gregory. 1,847,241; Mar. 1.
Hydrocarbons, Pyrolytic conversion of normally gaseous aliphatic. G. G. Oberfell and J. A. Guyer. 1,847,257; Mar. 1.
Hydrocarbons, Pyrolytic conversion of normally gaseous aliphatic. G. G. Oberfell, J. A. Guyer, and F. E. Frey. 1,847,259; Mar. 1.
Hydrocarbons, Pyrolytic decomposition of. F. K. Ovitz. 1,866,066; July 12.
Hydrocarbons, Recovery of unsaturated aliphatic. O. Schmidt and O. Grosskinsky. 1,882,978; Oct. 18.
Hydrocarbons, Refining. A. Aspar. 1,841,271; Jan. 12.
Hydrocarbons, Refining. T. T. Gray. 1,853,972; Apr. 12.
Hydrocarbons, Refining. T. T. Gray. 1,865,467; July 5.
Hydrocarbons, Refining. W. V. Ischie. 1,859,968; May 24.
Hydrocarbons, Refining. M. R. Mandelbaum. 1,865,474; July 5.
Hydrocarbons, Refining liquid. E. B. Miller. 1,886,260; Nov. 1.
Hydrocarbons, Refining liquid. E. B. Miller and G. C. Connolly. 1,886,261; Nov. 1.
Hydrocarbons, Solidification of liquid. A. A. Prussin. 1,880,211; Oct. 4.
Hydrocarbons, Sulphonating higher paraffin. K. Keller. 1,876,957; Sept. 13.
Hydrocarbons, Treating. P. J. Carlisle and C. R. Harris. 1,862,003; June 7.
Hydrocarbons, Treating. L. B. Cherry. 1,856,828; May 3.
Hydrocarbons, Treating. R. Cross. 1,840,158; Jan. 5.
Hydrocarbons, Treating. W. M. Cross. 1,847,082; Mar. 1.
Hydrocarbons, Treating. W. M. Cross. 1,871,431; Aug. 9.
Hydrocarbons, Treating. W. M. Cross. 1,876,206; Sept. 6.
Hydrocarbons, Treating. H. T. Darlington. 1,853,552; Apr. 12.
Hydrocarbons, Treating. C. P. Dubbs. 1,857,533; May 10.
Hydrocarbons, Treating. C. J. Frankforter. Re18,318; Jan. 5.
Hydrocarbons, Treating. F. E. Frey and J. A. Guyer. 1,847,239; Mar. 1.
Hydrocarbons, Treating. F. E. Frey, J. A. Guyer, and G. G. Oberfell. 1,847,238; Mar. 1.
Hydrocarbons, Treating. W. R. Howard. Re18,357; Feb. 23.
Hydrocarbons, Treating. I. H. Jones. 1,872,463; Aug. 16.
Hydrocarbons, Treating. L. Kirschbraun. 1,843,683; Feb. 2.
Hydrocarbons, Treating. P. L. Magill. 1,890,881; Dec. 13.
Hydrocarbons, Treating. N. H. Moore. 1,887,941; Nov. 15.
Hydrocarbons, Treating. R. C. Osterstrom. 1,884,163; Oct. 25.
Hydrocarbons, Treating. R. P. Russell. 1,872,011; Aug. 16.
Hydrocarbons, Treating cracked. T. T. Gray. 1,878,580; Sept. 20.
Hydrocarbons, Treating liquid. A. S. Knowles and C. W. Andrews. 1,885,920; Nov. 1.
Hydrocarbons, Treatment of. T. T. Gray. 1,862,507; June 7.
Hydrocarbons with a chlorinated hydrocarbon in the presence of a metallic halide, Treating. M. L. Chappell. 1,878,262; Sept. 20.
Hydrochloride, Obtaining betaine. K. Bromig. 1,844,929; Feb. 16.
Hydrocycle. R. Gargiulo. 1,869,139; July 26.
Hydroelectric plant. G. H. Vacquier and V. L. Entraygue. 1,882,532; Oct. 11.
Hydrogen by the partial liquefaction of gaseous mixtures containing the same, Manufacture of. G. Claude. 1,870,096; Aug. 2.
Hydrogen fluoride from silicon fluoride, Separating. J. Sõll and F. Schnell. 1,851,652; Mar. 29.
Hydrogen for use in destructive hydrogenation, Heating. W. E. Tate and H. P. Stephenson. 1,848,505; Mar. 8.
Hydrogen from gas mixtures containing hydrocarbons, Preparation of. P. Schuftan. 1,870,144; Aug. 2.
Hydrogen halides, Purifying. E. O. Barstow and S. B. Heath. 1,853,330; Apr. 12.
Hydrogen halide gas, Preparation of strong. S. B. Heath. 1,892,652; Dec. 27.
Hydrogen iodide, Manufacture of. P. E. Weston. 1,890,874; Dec. 13.
Hydrogen, Manufacture of. J. Al. 1,863,681; June 21.
Hydrogen, Manufacture of. J. S. Beekley. 1,889,530; Nov. 29.
Hydrogen manufacture. A. T. Larson. 1,889,672; Nov. 29.
Hydrogen or hydrogen-nitrogen mixtures or hydrogen-carbon monoxide mixtures, Production of. L. Casale. 1,843,540; Feb. 2.
Hydrogen peroxide. L. Löwenstein. 1,851,961; Mar. 29.
Hydrogen peroxide, Making. G. Baum. 1,854,327; Apr. 19.
Hydrogen peroxide, Manufacture of. O. Nitzschke and L. Schlecht. 1,847,492; Mar. 1.
Hydrogen, Producing. J. S. Beekley. 1,866,246; July 5.
Hydrogen, Producing. A. T. Larson. 1,865,770; July 5.
Hydrogen, Producing practically pure. G. Cicali. 1,885,059; Oct. 25.
Hydrogen production. J. A. Perry. 1,848,654; Mar. 8.
Hydrogen, Production of. C. F. R. Harrison. 1,875,923; Sept. 6.
Hydrogen, Production of. O. Schmidt and G. Niemann. 1,882,977; Oct. 18.
Hydrogen, Recovery of pure. G. Ritter. 1,869,825; Aug. 2.
Hydrogen, Releasing nascent. O. M. Urbain. 1,889,714; Nov. 29.
Hydrogen sulphide, Catalytically oxidizing. R. Kuhn. 1,854,647; Apr. 19.
Hydrogen sulphide from gas mixtures, Recovering. C. J. Hansen. 1,889,894; Dec. 6.
Hydrogen sulphide from gas mixtures. Removing. C. J. Hansen. 1,843,224; Feb. 2.
Hydrogen sulphide from gases, Removing. T. Thorsell and A. Kristensson. 1,847,795; Mar. 1.
Hydrogenation and dehydrogenation, Simultaneous. W. Schoeller, H. Jordan, and W. Linde. 1,877,203; Sept. 13.
Hydrogenation of carbonaceous materials, Destructive. M. Pier. 1,890,439; Dec. 6.
Hydrohalides of the benzine series, Preparation of primary aromatic amine. G. H. Coleman and L. E. Mills. 1,878,675; Sept. 20.
Hydrolysis of methyl chloroform. E. C. Britton and W. R. Reed. 1,870,601; Aug. 9.
Hydrometallurgical treatment of ores. U. C. Tainton. 1,858,944; May 17.
Hydrometer. D. Hiergesell. 1,882,321; Oct. 11.
Hydrometer. M. Kahn. 1,852,118; Apr. 5.
Hydrometer float, Compensating. H. E. Christie and K. W. Cause. 1,890,901; Dec. 13.
Hydroplane. R. A. A. Couzinet. 1,842,858; Jan. 26.
Hydroplane. C. Shaw. 1,852,680; Apr. 5.
Hydroplane ship. W. A. Beebe. 1,857,347; May 10.

Hydropower generating machine. N. E. Dell. 1,842,661; Jan. 26.
Hydroquinone derivative. E. Klarmann and L. W. Gatyas, 1,883,952; Oct. 25.
Hydroquinone, Production of. H. Von Bramer and J. W. Zabriskie. 1,880,534; Oct. 4.
Hydroservo brake. R. J. Norton. 1,879,432; Sept. 27.
Hydrostatic lubricator, Mechanical. F. W. Edwards and A. C. Beckwith. 1,842,257; Jan. 19.
Hydrotherapeutic apparatus. L. Ginsburg. 1,888,120; Nov. 15.
Hydrovehicle. J. A. Gendreau and E. Messier. 1,879,180; Sept. 27.
Hydrozincite, Manufacturing titanic. R. J. McInerny, E. F. Williams and H. L. Glaze. 1,842,620; Jan. 26.
Hydroxides, Precipitation of heavy metal. W. Busch. 1,879,071; Sept. 27.
Hydroxy-acids from the oxidation products of hydrocarbons, Separating the. T. Hellthaler and E. Peter. 1,885,199; Nov. 1.
Hydroxyalkylamine anthraquinones and their o-sulphonic acids, F. Bauman, H. Friedrich, and L. Zeh. 1,843,313; Feb. 2.
Hydroxy aromatic compounds, Manufacture of. W. J. Hale and J. W. Britton. 1,882,825; Oct. 18.
Hydroxy compounds, Manufacture of aromatic. A. W. Titherley and D. P. Hudson. 1,878,061; Sept. 20.
Hydroxy-ethylamino salts of 3-acetylamino-4-hydroxy-benzenearsonic acid. K. Streitwolf, A. Fehrle, W. Herrmann and P. Fritzsche. 1,859,684; May 24.
Hydroxy-1',8'-naphtholeyne-naphthimidazoles. W. Neelmeier and W. Meiser. 1,867,091; July 12.
Hydroxy-thionaphtheres containing a pyrazole ring. R. Herz, M. Schubert, and W. Brunner. 1,876,930; Sept. 13.
Hygrometer. A. O. Austin. 1,890,565; Dec. 13.
Hygrometer. La V. C. Sturgis and C. E. Crain. 1,839,903; Jan. 5.
Hygrostat. M. O. Snediker. 1,866,778; July 12.
Hypochlorite solutions, Making. J. C. Baker. 1,850,975; Mar. 22.
Hypochlorites. C. Mindeleff. 1,857,318; May 10.
Hysteresis. Method of and apparatus for compensating of. A. Reynolds. 1,851,596; Mar. 29.
Ice apparatus and process, Carbon dioxide. J. W. Martin, jr. 1,887,692; Nov. 15.
Ice, Apparatus for continuous production of carbon dioxide. W. P. Conner. 1,869,346; July 26.
Ice bag. G. E. Roux. 1,870,143; Aug. 2.
Ice box. L. Baron. Des. 87,299; July 5.
Ice box, body rack. E. H. Nusbaum. 1,865,582; July 5.
Ice box, continuous cooling. W. S. Phillips. 1,854,425; Apr. 19.
Ice cream and similar frozen products, Continuous manufacture of. J. G. Glauser. 1,882,660; Oct. 18.
Ice cream cone. W. W. Turnbull. 1,875,960; Sept. 6.
Ice cream cone. W. W. Turnbull. 1,876,105; Sept. 6.
Ice cream cone forming machine. D. Antonelli. 1,846,018; Feb. 23.
Ice cream cone supporting device for use with refrigerating safes. F. D. Smith. 1,890,420; Dec. 6.
Ice cream cones, Baking. A. A. Heyman. 1,851,578; Mar. 29.
Ice cream cones, Forming. V. M. Orear. 1,859,046; May 17.
Ice cream, Device for measuring and dispensing. H. Lawson. 1,854,265; Apr. 19.
Ice cream dieing out machine. M. G. Harnden. 1,848,250; Mar. 8.
Ice cream disher. L. I. Sanders. 1,888,739; Nov. 22.
Ice cream freezing system. C. Taylor. Re18,660; Nov. 15.
Ice cream servings, Preparing. H. MacElhone. 1,888,178; Nov. 22.
Ice cream shapes, Stamping. M. G. Harnden. 1,891,230; Dec. 20.
Ice cream shipper, Rubber. S. O. Staake. 1,868,773; July 26.
Ice creeper. J. E. Ostrander. 1,848,968; Mar. 8.
Ice cube breaker. T. J. Fegley and G. O. Leopold. Des. 86,599; Mar. 29.
Ice cube forming and dispensing device. A. G. Sherman. 1,887,122; May 3.
Ice cube forming device. R. T. Brizzolara. 1,859,285; May 24.
Ice cube remover. E. D. Rosenberg. 1,852,064; Apr. 5.
Ice cutting machine. C. B. Shellman. 1,888,938; Nov. 22.
Ice from liquid carbon dioxide. Method and apparatus for manufacturing carbon dioxide. F. R. Zumbro. 1,864,295; June 21.
Ice from roofs, Removing. H. R. Sjolander. 1,857,883; May 10.
Ice handling machine. S. H. Durbin. 1,859,501; May 24.
Ice loading machine. G. L. Vail. 1,884,399; Oct. 25.
Ice machine, Carbon dioxide. N. M. Small. 1,863,287; June 14.
Ice making, Agitation means and method for. J. J. Catron. 1,888,526; Nov. 22.
Ice, Manufacture of carbon dioxide. P. Schlumbohm. 1,875,164; Aug. 30.
Ice on aeroplane propellers, Device for preventing the accumulation of. W. C. Geer. 1,889,782; Dec. 6.
Ice plant. G. W. Miller. 1,882,189; Oct. 11.
Ice refrigerating device. C. F. Belshaw. 1,874,161; Aug. 30.
Ice scoring machine. E. R. Borden. 1,844,028; Feb. 9.
Ice scoring machine. C. E. Everett. 1,866,883; July 12.
Ice scoring machine. A. V. Rowe. 1,885,143; Nov. 1.
Ice scoring machine. J. H. Schreiber. 1,889,222; Nov. 29.
Ice scoring machine. J. H. Schreiber. 1,890,698; Dec. 13.
Ice scoring machine. J. R. Snow. 1,863,886; June 21.
Ice scoring machine. M. J. Uline. 1,857,894; May 10.
Ice scoring machine, Portable. E. W. Fullam. 1,852,370; Apr. 5.
Ice server. R. Ray. 1,877,050; Sept. 13.
Ice shaving machine. R. Smith. 1,873,351; Aug. 23.
Ice up-ending machine. F. M. Aimes. 1,859,489; May 24.
Ice up-ending machine, Portable. F. M. Aimes. 1,859,487; May 24.
Ice-ice cooler. B. Landen. 1,856,919; May 3.
Iceless cooler. W. C. Willets. Des. 87,035; May 24.
Icing layer cakes, Apparatus for. H. E. Keck. 1,859,971; May 24.
Identification apparatus. H. G. Smith and T. Burrick. 1,861,367; May 31.
Identification device. H. Brown. 1,851,491; Mar. 29.
Identification device. E. Ring. 1,865,643; July 5.
Identification device. D. H. Roberts. 1,857,822; May 10.
Identification device. H. C. Ross. 1,852,061; Apr. 5.
Identification device. W. H. Wheeler. 1,846,171; Feb. 23.
Identification device, Mother and child. J. V. Arronski. 1,854,092; Apr. 12.
Identification for rubber goods. M. Hart. 1,842,606; Jan. 26.
Identification means. P. P. Linden. 1,888,090; Nov. 15.
Identification of persons using automatic and checking machines, Apparatus for. H. Reichert. 1,853,200; Apr. 26.
Identification pin holder for washing machines. S. M. Capstaff. 1,880,414; Oct. 4.
Identification tag. J. Haas. 1,844,359; Feb. 9.
Identifying apparatus. H. S. Satterlee. 1,885,863; Nov. 1.
Identifying mechanism. W. Schlumpf. 1,891,454; Dec. 20.
Igniter. H. A. Douglas. 1,859,201; May 17.
Igniter. A. G. Karkau. 1,869,814; Aug. 2
Igniter. S. C. Page. 1,852,844; May 3.
Igniter. M. A. Powers. 1,890,862; Dec. 13.
Igniter, Automatic. S. D. Jackson. 1,855,551; Apr. 26.
Igniter charge for blasting caps. L. H. Fisher. 1,890,112; Dec. 6.
Igniter. Flash. W. E. Wollheim. 1,852,069; Apr. 5.
Igniter for gas burners. W. F. Baresch. 1,889,589; Nov. 29.
Igniter, Gas. B. C. Johnson. 1,849,528; Mar. 15.
Igniter with condenser as storing device for the ignition current, Electric. H. Bilhorn. 1,841,863; Jan. 19.
Igniting device for cigars and cigarettes. F. E. Pikulski. 1,864,470; June 21.
Ignition and safety switch, Self-locking. G. M. Bronish. 1,890,367; Dec. 6.
Ignition apparatus. J. L. Arthur. 1,873,174–5; Aug. 23.
Ignition apparatus. J. L. Arthur. 1,882,720; Oct. 18.
Ignition apparatus. H. Breitbart, E. Kurz, and W. Walther. 1,883,873; Oct. 25.
Ignition apparatus. C. H. Davis, jr. 1,868,000; July 19.
Ignition apparatus. C. H. Davis, jr. 1,873,188; Aug. 23.
Ignition apparatus. J. T. Fitzsimmons. 1,868,006; July 19.
Ignition apparatus. J. T. Fitzsimmons. 1,882,793; Oct. 18.
Ignition apparatus. H. L. Hartzell. 1,863,305–6; June 14.
Ignition apparatus. H. E. Norviel. Re18,498; June 14.
Ignition apparatus, Magneto. F. Allendorff. 1,884,959; Oct. 25.
Ignition apparatus. Magneto electric. F. Allendorff. 1,884,419; Oct. 25.
Ignition apparatus, Magneto-electric. E. Durst. 1,884,958; Oct. 25.
Ignition assembly. H. Rabezzana. 1,847,899; Mar. 1.
Ignition coil. H. L. Hartzell. 1,873,122; Aug. 23.
Ignition coil and lock switch. H. E. Norviel. Re18,497; June 14.
Ignition control apparatus for internal combustion engines. E. Bilhorn. 1,847,417; Mar. 1.
Ignition control for explosive engines, Automatic. L. G. Knapp. 1,887,268; Nov. 8.
Ignition control for internal combustion engines, Automatic. A. Kazenmaier. 1,863,857; June 21.
Ignition cut-out, Oil and temperature controlled. W. E. Albertson. 1,854,871; Apr. 19.
Ignition device. C. H. Davis, jr. 1,863,299; June 14.
Ignition device. H. L. Hartzell. 1,873,123; Aug. 23.
Ignition device. H. L. Hartzell. 1,877,980; Sept. 20.
Ignition device. D. L. Hittle. 1,847,761; Mar. 1.
Ignition device. H. E. Norviel. 1,869,164; July 26.
Ignition device. H. E. Norviel. 1,884,145; Oct. 25.
Ignition device. R. A. Wilkins. 1,884,457; Oct. 25.
Ignition device and bomb or the like, Impact. G. Scaglia. 1,887,468; Nov. 8.
Ignition device, Electric. G. F. Rolland. 1,856,431; May 3.
Ignition device for fuel burners. C. B. Chandler. 1,887,230; Nov. 8.

Ignition device for mercury arcs. J. Von Issendorff and H. Jungmichl, 1,843,654; Feb. 2.
Ignition device for use with fire grates burning solid fuels. E. Wirth. 1,842,227; Jan. 19.
Ignition device, Oil burner. M. A. Powers. 1,888,695; Nov. 22.
Ignition for fluid fuel burners. Electric. M. A. Powers. 1,888,694; Nov. 22.
Ignition insulation composition. O. B. Huskey. 1,892,105; Dec. 27.
Ignition, Liquid fuel burner. M. A. Powers. 1,888,692; Nov. 22.
Ignition magneto. G. Fossati. 1,857,718; May 10.
Ignition means for internal combustion engines. P. M. Bruner. 1,883,273; July 19.
Ignition mechanism. J. N. Macrae. 1,845,305; Feb. 16.
Ignition mechanism for domestic oil burners, Spark. L. I. Aldrich. 1,889,968; Dec. 6.
Ignition mechanism for oil burners. J. N. Macrae and C. P. Packard. 1,887,730; Nov. 15.
Ignition meter. C. B. Mirick. 1,851,947; Mar. 29.
Ignition of mercury vapor rectifiers, Apparatus for the. J. Jonas. 1,873,963; Aug. 30.
Ignition system. P. B. Comer. 1,884,576; Oct. 25.
Ignition switch. J. Le R. Hodson. Re18,603; Sept. 27.
Ignition switch. J. A. Sullivan. 1,847,793; Mar. 1.
Ignition switch, Magnetic. W. E. Albertson. 1,854,166; Apr. 19.
Ignition system. J. L. Arthur. 1,842,815; Jan. 26.
Ignition system. J. T. Fitzsimmons and J. L. Arthur. 1,869,098; July 26.
Ignition system. H. Ford. 1,873,369; Aug. 23.
Ignition system. E. W. Kell. 1,856,561; May 3.
Ignition system for internal combustion engines. G. Steiner. 1,853,750; Apr. 12.
Ignition timer. W. A. Chryst. 1,840,699; Jan. 12.
Ignition timer. C. H. Davis, jr. 1,873,114; Aug. 23.
Ignition timer, Engine. M. Mallory. 1,859,308; May 24.
Illuminated ball. C. Arnold. 1,862,996; June 14.
Illuminated device. J. Block. 1,876,448; Sept. 6.
Illuminated favor. M. C. Hamblet. 1,842,401; Jan. 26.
Illuminated flagpole. R. M. Sutphen. 1,878,447; Sept. 20.
Illuminated fountain. C. P. Proffatt. 1,839,994; Jan. 5.
Illuminating apparatus. E. A. Morton. 1,876,313; Sept. 16.
Illuminating apparatus for display purposes. E. B. Monheim. 1,873,473; Aug. 9.
Illuminating apparatus, Indicating the derangement of electrical. W. Brander. 1,868,689; July 26.
Illuminating device. E. E. Howe, and P. G. Nutting. 1,884,957; Oct. 25.
Illuminating device. S. F. Arbuckle. 1,863,547; June 14.
Illuminating device. K. Edison. 1,858,806; May 17.
Illuminating device. P. M. Hotchkin. 1,881,594; Oct. 11.
Illuminating device. R. S. Kutz. 1,871,959; Aug. 16.
Illuminating device. R. F. Purdy. 1,881,767; Oct. 11.
Illuminating device. E. C. Smally. 1,870,147; Aug. 2.
Illuminating device, Decorative. J. Block. 1,869,321; July 26.
Illuminating device for microscopes. H. Heine. 1,840,448; Jan. 12.
Illuminating device for microscopes. E. Lihotzky. 1,853,689; Apr. 12.
Illuminating device for projecting sound films. L. D. J. A. Dupuyer. 1,839,740; Jan. 5.
Illuminating device, Roadway. W. Rhodes. 1,842,800; Jan. 26.
Illuminating means. S. J. Monk. 1,885,279; Nov. 1.
Illuminating means for telephone calling devices. J. G. Strock. 1,850,642; Mar. 22.
Illuminating system for photographic apparatus. J. G. Ratskoff. 1,881,946; Oct. 11.
Illumination, Book-stack. A. S. MacDonald. 1,851,916; Mar. 29.
Illumination for microscopic objects, Device for providing differently colored. P. Kraft. 1,887,099; Nov. 8.
Image, Changing the ratio of width to height of an. I. Morioka. 1,853,072; Apr. 12.
Image-forming, transmitting and reproducing apparatus. R. P. Allen. 1,848,814; Mar. 8.
Image optical system, Plural. L. T. Troland. 1,843,007; Jan. 26.
Image producing system. A. Weaver and D. E. Branson. 1,839,361; Jan. 5.
Images, System and apparatus for the electrical production of. A. McL. Nicholson. 1,863,278; June 14.
Imino-ethers, Manufacturing. G. F. Schmidt, and P. Zutavern. 1,889,323; Nov. 29.
Immersion heater, Fused. E. L. Wiegand. 1,848,449; Mar. 8.
Immiscible substances, Method and apparatus for separating. L. D. Jones. 1,864,511; June 21.
Impact bar for automobile bumpers. G. W. Veale. Des. 87,615; Sept. 20.
Impact indicating apparatus. F. L. Fox. 1,876,657; Sept. 13.
Impact mill. L. Kollbohn. 1,847,009; Feb. 23.
Impact recorder. J. B. Basterville. 1,846,985; Feb. 23.
Impact wrench. C. J. McCarthy. 1,850,239; Mar. 22.
Impaling pin. H. A. W. Wood. 1,883,259; Oct. 18.
Impedances, Simulating mutual. C. F. Wagner. 1,882,892; Oct. 18.
Impeller. H. E. Buckles. 1,878,816; Sept. 20.
Impeller. W. Meyer. 1,872,483; Aug. 16.
Impeller and making same. H. Junkers. 1,865,918; July 5.
Impeller for centrifugal pumps. H. Schlachter. 1,871,747; Aug. 16.
Impeller-positioning device. J. A. Wintroath. 1,882,214–15; June 14.
Impelling device for games. S. A. Graves and N. Muslar. 1,887,263; Nov. 8.
Implement. G. H. Jones. 1,869,376; Aug. 2.
Implement, Agricultural. W. A. Elliott. 1,849,422; Mar. 15.
Implement, Agricultural. W. H. Silver. 1,885,955; Nov. 1.
Implement, Farm. L. D. Slocum. 1,886,432; Nov. 8.
Implement for loosening bottle stoppers. J. O. Patterson. 1,866,155; July 5.
Implement for removing sucker buds from tobacco plants. J. E. Edgin. 1,855,164; Apr. 19.
Implement for use in applying a coating of solder to cylindrical objects. P. Hogan. 1,851,837; Mar. 29.
Implement hitch. H. E. Welbourne. 1,851,142; Mar. 29.
Implement, Manually operated ground working. D. L. Dukes. 1,885,089; Oct. 25.
Implement, Massaging and stimulating. H. Krauter. 1,886,029; Nov. 1.
Implement, Offset. W. H. Stuck. 1,873,359; Aug. 23.
Implement, Piston handling. W. J. Spiro. 1,851,116; Mar. 29.
Implement, Tillage. C. T. Ray. 1,885,763; Nov. 1.
Implement to a motor, Connecting an. A. Richards. 1,868,387; July 26.
Implement, Weeding. W. J. Robinson. 1,885,377; Nov. 1.
Implement, Weeding and transplanting. T. G. Smith. 1,860,963; May 31.
Implement, Writing. S. Segal. 1,850,086; Mar. 22.
Implements, Chain lifter for. C. R. Davis. 1,887,346; Nov. 8.
Impregnating apparatus. L. du B. Rees. 1,858,111; May 10.
Impregnating compound. W. N. Traylor. 1,840,989; Jan. 12.
Impregnating process. J. Zavertnik, jr. 1,884,486; Oct. 25.
Imprint machine. G. S. Witham, jr. 1,872,207; Aug. 16.
Improvements relating to summation means. S. James. 1,876,949; Sept. 13.
Impulse coupling. E. E. Hendrickson. 1,864,246; June 21.
Impulse sender for use in automatic telephone systems and the like. D. Macadie. 1,862,601; June 14.
Impulses, Method and apparatus for generating and detecting. R. A. Fessenden. 1,854,025; Apr. 12.
Impulses to control the production of impulses of different frequency, System for causing. L. M. Potts. 1,883,885; Oct. 25.
Incandescent bulb. F. C. McElroy. 1,843,577; Feb. 2.
Incense burner. A. Iorio. Des. 86,917; May 10.
Incense, medicaments, and the like, Device for volatilizing or burning. W. L. McRae and F. R. Cooke. 1,845,432; Feb. 16.
Incinerator. E. P. Cole. 1,878,110; Sept. 20.
Incinerator. W. V. Johnston. 1,871,614; Aug. 16.
Incinerator. E. Klingbeil. 1,886,142; Sept. 27.
Incinerator. W. L. McEver. 1,860,841; May 31.
Incinerator. S. H. Thompson. 1,851,336; Mar. 29.
Incinerator. R. T. Wyse. 1,866,959; July 12.
Incinerator, Garbage and refuse. F. R. Jones. Re18,622; Oct. 18.
Incinerator, Garbage and refuse. M. J. Tierney. 1,856,760; Nov. 1.
Incinerator, Industrial. R. W. Krenz. 1,859,300; May 24.
Incinerating, Method of. C. C. Parker. 1,877,580; Sept. 13.
Inclination indicating device for oil wells. T. L. Lynch and H. L. Rilling. 1,854,208; Apr. 19.
Inclinometer and compass, Combined. J. E. Marshall. 1,860,259; May 24.
Inclosed electric switch. F. H. MacNeil. 1,885,365; Nov. 1.
Inclosed fused switch. J. Sachs. 1,843,937; Feb. 9.
Inclosed switch. H. J. Hammerly. 1,863,523; June 14.
Inclosed switch. H. J. Hammerly. 1,868,449; July 19.
Inclosure. E. E. Lehwess. 1,849,099; Mar. 15.
Inclosure construction. C. J. Maxcy. 1,846,605–6; Feb. 23.
Inclosure elements on containers, Method of and apparatus for securing. D. D. Shewmon and W. Schroeder. 1,882,011; Oct. 18.
Inclosure for devices. F. W. Bennett. 1,847,208; Mar. 1.
Inclosure for radiator. I. T. Bennett. 1,855,565; Apr. 26.
Incubator. C. R. Bratton and C. S. Miner. 1,881,118; Oct. 4.
Incubator. W. E. Bundy. 1,850,918; Mar. 22.
Incubator. J. F. MacKay. 1,861,746; June 7.
Incubator. J. L. Martin. 1,878,503; Sept. 20.
Incubator. R. M. Petersime. 1,884,843; Oct. 25.
Incubator. O. V. Rookstool. 1,890,236; Dec. 6.
Incubator. L. V. C. Sturgis. 1,868,857; July 26.
Incubator and brooder. H. W. Zellner. 1,883,272; Oct. 18.
Incubator, Attachment for. W. O. Collins. 1,891,800; Dec. 20.
Incubator, Electric. A. V. Rackstraw. 1,877,585; Sept. 13.

Indanthrene and the products, Producing chlorinated derivatives of. J. H. Crowell. 1,847,329; Mar. 1.
Indanthrene, Making chlorinated derivatives of. J. H. Crowell. 1,847,330; Mar. 1.
Indanthrene, Production of halogenated derivatives of. J. H. Crowell. 1,847,331; Mar. 1.
Indanthrone and preparing the same, Mono-bromo-monochloro. O. Stallmann. 1,862,865; June 14.
Indanthrone complex and preparing the same, Halogenated. Henriet, R. J. Goodrich, and O. Stallmann. 1,862,844; June 14.
Indantbrones and preparing the same, Halogenated. J. Henriet, R. J. Goodrich, and O. Stallmann. 1,862,843; June 14.
Indelible marking, Art and apparatus for. R. S. Blair. 1,863,610; June 21.
Indentations, Method of and tool for removing. W. Ferguson. 1,871,312; Aug. 9.
Index. H. Cobb. 1,873,540; Aug. 16.
Index. L. E. Hutchings. 1,845,843; Feb. 16.
Index, Address plate. W. R. Allen. 1,856,014; Apr. 26.
Index adjusting means. E. B. Crocker. 1,862,008; June 7.
Index and signal. A. R. Jackson. 1,876,236; Sept. 6.
Index and the like, Visible. R. Fitz Power. 1,866,421; July 5.
Index and visible record system, Visible. F. D. Powell. 1,867,710; July 19.
Index apparatus and card, Rotary visible. C. L. Johnston and M. M. Cohn. 1,879,620; Sept. 27.
Index, Carbon card. J. O. McDonald. 1,892,160; Dec. 27.
Index, Card. L. W. Hunter. 1,876,207; Sept. 6.
Index, Card. R. A. Furlong and J. R. Clark. 1,891,375; Dec. 20.
Index, Card. A. F. Hunt. 1,873,841; Aug. 23.
Index, Card. K. A. A. Johansson. 1,878,624; Sept. 20.
Index, Card. H. S. McGee. 1,866,815; July 12.
Index, Card. R. C. Wolf. 1,846,062; Feb. 23.
Index card carrier. G. H. Dawson. 1,850,278; Mar. 22.
Index device. H. F. Barker. 1,868,188; July 19.
Index device. L. E. Hutchings. 1,863,057; June 28.
Index device. L. E. Hutchings. 1,868,207; July 19.
Index device. L. E. Hutchings. 1,876,233; Sept. 6.
Index device, Articulated. L. E. Hutchings. 1,864,692; June 28.
Index for loose leaf binders. C. A. Schimelfenig. 1,870,206; Aug. 2.
Index guides, Package of. R. M. Tussing. 1,876,181; Sept. 6.
Index or file. C. S. Campbell and W. H. Day. 1,868,477; July 19.
Index or file. W. H. Day. 1,866,089; July 5.
Index or filing system. Z. Auerbach. 1,868,156; July 19.
Index or record device, Card. L. E. Hutchings. 1,856,388; May 3.
Index, Portable visible. R. A. Furlong. 1,891,380; Dec. 20.
Index, Rotary. B. G. Rand. 1,849,049; Mar. 8.
Index, Selective card. S. A. Oakley. 1,874,619; Sept. 6.
Index stand. P. O. Unger. 1,883,255; Oct. 18.
Index structure, Temporary. S. B. Freiberg. 1,886,801; Nov. 8.
Index tab. G. J. Aigner. 1,848,098; Mar. 8
Index tab. E. J. Tompkins. 1,853,098; Apr. 12.
Index, Visible. R. A. Furlong. 1,891,377; Dec. 20.
Index, Visible. L. E. Hutchings. 1,866,352; July 5.
Index, Visible. H. M. Kilpatrick. 1,850,935; Mar. 22.
Index, Visible. P. D. Powell. 1,851,045; Mar. 29.
Index, Visible. R. Fitz Power. 1,867,471; July 12.
Indexing apparatus. G. L. Rock. 1,869,111; May 17.
Indexing attachment for automatic machines. M. E. Anderson. 1,874,022; Aug. 30.
Indexing attachment for automatic machines. W. J. Richards. 1,867,302; July 12.
Indexing device. F. H. Beulwitz. 1,865,552; July 5.
Indexing device. C. W. Floss. 1,854,251; Apr. 19.
Indexing means for grinding milling cutters. G. E. Mirfield. 1,879,399; Sept. 27.
Indexing means for selecting bars, Automatic. W. W. Lasher. 1,849,772; Feb. 2.
India-rubber spring. A. Spencer. 1,890,795; Dec. 13.
Indicating and controlling apparatus. B. Hocken. 1,886,482; Nov. 8.
Indicating and controlling system. L. H. Chamberlain. 1,877,810; Sept. 20.
Indicating and recording apparatus. J. Latzko and O. Pfeiffer. 1,863,221; June 21.
Indicating apparatus. E. H. Barthel. 1,891,134; Dec. 13.
Indicating apparatus. T. J. Smulski. 1,885,050; Oct. 25.
Indicating apparatus, Electrically operated. J. W. Anderson. 1,885,054; Oct. 25.
Indicating control means for instruments. H. H. Mapeldeu. 1,860,341; May 24.
Indicating device. C. D. Bolin. 1,892,379; Dec. 27.
Indicating device. J. W. Bryce. 1,882,703; Oct. 18.
Indicating device. A. M. Curtis. 1,871,361; Aug. 9.
Indicating device. M. Heidecorn and C. J. Miller. 1,880,089; Sept. 27.
Indicating device. F. M. Pratt. 1,859,750; May 24.
Indicating device. F. Sieber. 1,873,984; Aug. 30.
Indicating device. R. D. Smith. 1,872,838; Aug. 23.
Indicating device for automatic balances. G. Rausche. 1,857,870; May 10.
Indicating device for electrical apparatus. A. C. T. Isaac. 1,879,276; Sept. 27.
Indicating gauge. D. Smith. 1,867,387; July 12.
Indicating instrument and the like, Distant type. T. Carroll and G. L. Dawson. 1,846,792; Feb. 23.
Indicating machine. W. F. Brown. 1,850,863; Mar. 22.
Indicating means, Synchronism. E. F. Carter. 1,885,078: Oct. 25.
Indicating mechanism for motor cars and the like. C. H. Vicory. 1,878,035; Sept. 20.
Indicating mechanism, Selective. F. N. Linstow and W Anderson. 1,860,191; May 24.
Indicating system. R. E. Bear. 1,840,077; Jan. 5.
Indicating system. C. E. Stewart. 1,866,327; July 5.
Indicating system and apparatus. F. M. Slough. 1,841,866; June 7.
Indication controlling apparatus. H. L. Tanner. 1,874,652; Aug. 30.
Indicators, Producing. H. L. Tanner. 1,841,341; Jan. 12.
Indicator: *See*—
Battery water level indicator. Order indicator.
Beacon and air current indicator. Overflow indicator.
Blade slope indicator. Position indicator.
Depth indicator. Pressure gauge indicator.
Dial indicator. Pressure indicator.
Direction indicator. Price indicator.
Discharge indicator. Radio direction indicator.
Electric wave indicator. Recording gift indicator.
Elevator indicator. Route indicator.
Expansion indicator. Scroll and line indicator.
Fare indicator. Seat raiser and vacancy indicator.
Fire indicator. Signal distortion indicator.
Flow indicator. Slide rule indicator.
Fluid flow indicator. Smoke indicator.
Fuse indicator. Speed and distance indicator.
Frequency indicator. Speed indicator.
Game indicator. Station indicator.
Golf driving indicator. Stock indicator.
Ground speed and course indicator. Stop-go indicator.
Headlight indicator. Street indicator.
Heat indicator. Strike and ball indicator.
Internal combustion indicator. Target indicator.
Level and plumb indicator. Temperature indicator.
Level indicator. Tension indicator.
Line, column and word indicator. Test indicator.
Liquid indicator. Tire deflation indicator.
Liquid level indicator. Tire pressure indicator.
Lock and key indicator. Tuning indicator.
Loose play indicator. Turn indicator.
Motor heat indicator. Vehicle parking indicator.
Oiling indicator. Vibration indicator.
Indicator. E. B. Bottle. 1,882,313; Oct. 11.
Indicator. T. Brady. 1,886,079; Nov. 1.
Indicator. G. A. Combridge. 1,863,684; June 21.
Indicator. G. A. Combridge. 1,864,171; June 21.
Indicator. G. E. Conover. 1,864,416; June 21.
Indicator. J. M. and J. W. Cunningham. 1,853,510; Apr. 12.
Indicator. L. G. Hunter and H. B. Reisiger. 1,879,285; Sept. 27.
Indicator. P. Kollsman. 1,857,311; May 10.
Indicator. E. E. Marlin. 1,884,042; Oct. 25.
Indicator. E. F. Newcome. 1,857,255; May 10.
Indicator. W. J. Young. 1,843,259; Feb. 2.
Indicator and controller, Liquid level. L. H. Roller. 1,855,692; Apr. 26.
Indicator and limit switch actuator, Combined. H. E. Hallenbeck. 1,867,452; July 12.
Indicator and manufacturing parts thereof. C. M. Andres. 1,859,893; Dec. 13.
Indicator and register for automatic telephones, Number. W. Greenberg. 1,884,663; Oct. 25.
Indicator and reminder. H. A. Rosen. 1,861,137; May 31.
Indicator apparatus. C. W. Burger. 1,854,608; Apr. 19.
Indicator attachment for calipers or the like. J. V. McCabe. 1,879,941; Sept. 27.
Indicator board. J. R. Collins. 1,844,945; Feb. 16.
Indicator board for offices and the like. G. Mackintosh. 1,840,730; Jan. 12.
Indicator for aircraft. E. A. Sperry. 1,880,994; Oct. 4.
Indicator for aircraft, Bank, turn, and climb. C. E. Schueller. 1,856,436; May 3.
Indicator for automobile, Heat. W. G. Myers. Des. 87,076; May 31.
Indicator for automobiles, Heat. J. H. Athana. Des. 85,971; Jan. 12.
Indicator for automobiles, Liquid level. W. H. Muzzy. 1,876,720; Sept. 13.
Indicator for cash registers. W. E. Dunning. 1,874,938; Aug. 30.
Indicator for continuous felt weighing scales, Graphic. J. Robert. 1,884,250; Oct. 25.
Indicator for cooling systems of automobiles. H. E. Christie and K. W. Couse. 1,890,900; Dec. 13.
Indicator for electrical apparatus, Luminous. I. E. Coffey. 1,879,098; Sept. 27.
Indicator for grease dispensers. W. L. Thayer. 1,845,894; Feb. 16.

Indicator for internal combustion engines. F. W. Smith. 1,843,789 ; Feb. 2.
Indicator for internal combustion engines, Temperature. W. B. Jarvis. 1,845,049 ; Feb. 16.
Indicator for internal combustion engines, Water level. G. B. Hayes and D. L. Mallory. 1,848,121 ; Mar. 8.
Indicator for mechanical devices, Pressure. J. O. Pollack. 1,845,098 ; Feb. 16.
Indicator for offices and the like. G. Mackintosh. 1,840,729 ; Jan. 12.
Indicator for photographic devices. B. A. Kinsey. 1,864,442 ; June 21.
Indicator for piano accordions, Expression. A. Sebastianelli. 1,849,319 ; Mar. 15.
Indicator for signal lights in automobiles and similar vehicles. F. D. Van Gilder. 1,842,133 ; Jan. 19.
Indicator for triple valves, Operation timing. J. R. Ricketts. 1,851,389 ; Oct. 4.
Indicator for vehicles, Direction. E. E. Lootens. 1,884,010 ; Oct. 25.
Indicator jaw gauge. A. Schraven. 1,863,673 ; June 21.
Indicia stamping device. E. G. Schubach. 1,840,680 ; Jan. 12.
Indicia to cellophane and the like, Applying. W. F. Grupe. 1,892,392 ; Dec. 27.
Indium and zinc from ores containing the same, Obtaining. W. S. Murray. 1,847,622 ; Mar. 1.
Indium, Electrodepositing. D. Gray. 1,849,293 ; Mar. 15.
Indium, Recovery of. W. S. Murray. 1,839,800 ; Jan. 5.
Individual watch hanger. A. Johnson. Des. 88,793 ; Dec. 27.
Indole and derivatives thereof, Production of. C. Schumann, E. Muench, and B. Christ. 1,891,057 ; Dec. 13.
Indophenol azine compounds. P. Muth. 1,867,563 ; July 19.
Inductance, Adjustable. R. M. C. Greenidge. 1,848,169 ; Mar. 8.
Inductance, Adjustable. R. M. C. Greenidge. 1,868,318 ; July 19.
Inductance and coupling system. L. A. Gebhard and C. F. Rudolph. 1,880,199 ; Oct. 4.
Inductance changing system. L. A. Gebhard. 1,867,820 ; July 19.
Inductance device. R. C. Carlton, W. C. Tinus and H. Vadersen. 1,852,605 ; Apr. 5.
Inductance device. F. J. Given. 1,841,472 ; Jan. 19.
Inductance device and manufacturing the same. W. J. Shackleton. Re18,354 ; Feb. 16.
Inductance network. A. J. Christopher. 1,874,242 ; Aug. 30.
Inductance system. L. A. Gebhard. 1,845,406 ; Feb. 16.
Inductance system. L. A. Gebhard and C. F. Rudolph. 1,858,492 ; May 17.
Inductance system, Fluid cooled. L. A. Gebhard. 1,882,075 ; Oct. 11.
Inductance system, Frequency changing. L. A. Gebhard. 1,855,592 ; Apr. 26.
Inductance unit. W. L. Carlson. 1,841,317 ; Jan. 12.
Inductance unit and method of cooling. B. J. Chromy. 1,883,568 ; Oct. 18.
Induction electric furnace. E. F. Northrup. 1,879,431 ; Sept. 27.
Induction furnace. P. H. Brace. 1,862,293 ; June 7.
Induction furnace. P. H. Long. 1,861,870 ; June 7.
Induction furnace. E. F. Russ. 1,843,044 ; Jan. 26.
Induction furnace, Electric. E. F. Northrup. 1,839,801–2 ; Jan. 5.
Induction meter. H. Frohlich and T. Hausch. 1,874,954 ; Aug. 30.
Induction meter. J. Indergand. 1,843,677 ; Feb. 2.
Induction motor. C. L. Kennedy. 1,844,093 ; Feb. 9.
Induction motor. C. L. Kennedy. 1,859,369 ; May 24.
Induction motor. W. Schmid-Burgk and H. Nehlsen. 1,851,055 ; Mar. 29.
Induction motor, Adjustable speed. H. V. Green. 1,866,349 ; July 5.
Induction motor, Condenser. C. L. Kennedy. 1,859,368 ; May 24.
Induction motor, Electric. J. W. Swendsen. 1,855,073 ; Apr. 19.
Induction process of graphitizing carbon. I. H. Derby. 1,884,600 ; Oct. 25.
Induction reaction motor. F. C. Holtz. 1,892,553 ; Dec. 27.
Induction system for internal combustion engines. J. Pavlecka. 1,889,262 ; Nov. 29.
Induction systems, Device for relieving back-fire pressures in supercharged. D. Gregg. 1,844,155 ; Feb. 9.
Inductor, Train control. D. H. Schweyer. 1,863,640 ; June 21.
Inductor type furnace. E. F. Northrup. 1,852,214–15 ; Apr. 5.
Inductor type furnace. E. F. Northrup. 1,878,532 ; Sept. 20.
Inductive device. A. J. Christopher. 1,880,805 ; Oct. 4.
Industrial furnace. B. G. Harmon. 1,881,536 ; Oct. 11.
Infant's bath tub. C. W. Gaddess. 1,856,992 ; May 3.
Inflatable ball. J. A. Dubow. 1,869,135 ; July 26.
Inflatable ball. A. J. Turner. 1,853,008 ; Apr. 5.
Inflatable ball. A. J. Turner. 1,890,594 ; Dec. 13.
Inflating device, Automatic. R. J. Jauch. 1,866,653 ; July 12.
Inflating hand piece. H. E. Smith. 1,876,355 ; Sept. 6.
Inflation indicator for tires. A. S. Pierce. 1,870,742 ; Aug. 9.
Inflator, Pressure indicating. L. M. Mercier. 1,857,062 ; May 3.
Inflow-controlling and fluid-discharge means, Combination. T. P. Gardner. 1,877,292 ; Sept. 13.
Infolding machine. W. L. Dixon. 1,883,343–5 ; Oct. 18.
Information, System for collecting and disseminating. J. W. Long and E. R. Wheeler. 1,850,841 ; Apr. 26.
Infusions, Device for forming. L. M. Pouget. 1,843,241 ; Feb. 2.
Ingot. L. G. Firth. 1,849,367 ; Mar. 15.
Ingot. E. Gathmann. 1,892,569 ; Dec. 27.
Ingot and mold for making the same. E. J. Kauffman. 1,870,365 ; Aug. 9.
Ingot mold. E. Gathmann. 1,890,777 ; Dec. 13.
Ingot mold. E. J. Kauffman. 1,871,324 ; Aug. 9.
Ingot mold. A. B. Kinzel. 1,883,382 ; Oct. 18.
Ingot mold. W. H. Ramage. 1,841,914 ; Jan. 19.
Ingot mold. E. Schürer. 1,884,291 ; Oct. 25.
Ingot mold, Closed bottom. W. H. Ramage. 1,879,485 ; Sept. 27.
Ingot mold insert. W. M. Crowther. 1,859,355 ; May 24.
Ingot reheating furnace. F. C. Siemens. 1,843,099 ; Jan. 26.
Ingots, Casting. B. E. Eldred and H. C. Snook. 1,892,044 ; Dec. 27.
Ingots, Casting. L. N. McDonald. 1,888,604 ; Nov. 22.
Ingots, Casting of. C. A. Parsons and H. M. Duncan. 1,865,041 ; June 28.
Ingots, Casting steel. A. B. Kinzel. 1,888,132 ; Nov. 15.
Ingots, Handling. L. S. Rosener. 1,877,535 ; Sept. 13.
Ingots, Making. P. C. Ripley. 1,882,917 ; Oct. 18.
Ingots, Method of and apparatus for heating. W. M. Hepburn. 1,867,221 ; July 12.
Ingots, Producing metallic. E. Roth. 1,850,477 ; Mar. 22.
Ingots, Production of sound. A. G. Egler. 1,887,296 ; Nov. 8.
Inhalational therapy, Tent-head fixture for. Y. Henderson and H. W. Haggard. 1,857,453 ; May 10.
Inhibitor and the use thereof, J. M. Leaper. 1,881,721 ; Oct. 11.
Initials or designs to purses and the like, Application of. L. H. Carter. 1,854,689 ; Apr. 19.
Initiator. H. A. Lewis. 1,877,772 ; Sept. 20.
Initiator. H. A. Lewis. 1,878,498 ; Sept. 20.
Injecting and ejecting means. O. J. Sundstrand. 1,847,316 ; Mar. 1.
Injection engine. J. D. Hay. 1,871,452 ; Aug. 16.
Injector. C. B. Allen. 1,852,070 ; Apr. 5.
Injector. E. O. Benjamin. 1,846,938 ; Feb. 23.
Injector controlling means. I. P. Pedrick. 1,877,624 ; Sept. 13.
Injectors, Arrangement for starting and stopping exhaust steam. H. Deutsch. 1,858,325 ; May 17.
Ink. W. D. Huffman. 1,877,776 ; Sept. 20.
Ink and in the process of manufacturing same, Printer's. M. Ludwigsen. 1,860,043 ; May 24.
Ink composition, Intaglio. G. D. Knight. 1,858,449 ; May 17.
Ink distributing device for printing presses. M. A. Cunningham. 1,864,949 ; June 28.
Ink-eradicating unit. F. J. Stone. 1,848,849 ; Mar. 8.
Ink for intaglio printing and improvement in production of such inks. H. Kurz and K. Albert. 1,890,996 ; Dec. 13.
Ink for photographic film, Printing. A. A. Shannon. 1,880,502 ; Oct. 4.
Ink fountain adjusting device. P. F. Cox. 1,839,203 ; Jan. 5.
Ink, Training. J. M. Verderosa. 1,851,469 ; Mar. 29.
Ink, Manufacture of printer's. L. C. Neale. 1,865,035 ; June 28.
Ink, Meat stamping. L. S. Paddock. 1,868,071 ; July 19.
Ink mixer. F. C. Marquardt. 1,872,312 ; Aug. 16.
Ink pad. C. H. Bright, jr. 1,841,783 ; Jan. 19.
Ink pad. W. N. Hunter. 1,840,777 ; Jan. 12.
Ink pad for duplicating machines. E. J. Brasseur. 1,848,241 ; Mar. 8.
Ink product. F. B. Cooney. 1,843,661 ; Feb. 2.
Ink-repellent surfaces on mercury printing plates, Renewing. H. Kenck. 1,889,374–5 ; Nov. 29.
Ink rolling mill. W. H. Byrd. 1,883,831 ; June 21.
tree. 1,862,785 ; June 14.
Inkstand. E. S. Perry. 1,842,763 ; Jan. 26.
Inkstand. G. J. Senbusch. 1,843,305 ; Feb. 2.
Inkstand and bottle. T. D. Hopkins. 1,873,203 ; Aug. 23.
Ink supplying regulator. H. A. W. Wood. 1,883,257 ; Oct. 18.
Ink well. A. G. Bassi. 1,868,375 ; July 19.
Inkwell. C. E. Tannewitz. 1,888,383 ; Nov. 22.
Inkwell. B. A. Tharrington. 1,864,263 ; June 21.
Inkwell. D. Willey. 1,883,210 ; Oct. 18.
Inkwell and pen support, Combined. J. F. Gail. 1,862,139 ; June 7.
Inker for printing faces. H. L. Compton. 1,859,380 ; May 24.
Inking device. W. H. Young and E. O. Eckland. 1,860,124 ; May 24.
Inking device for printing machines. P. J. Clark. 1,883,572 ; Oct. 18.
Inking device for printing ribbons, Automatic. R. L. Muller. 1,841,139 ; Jan. 12.
Inking mechanism. M. A. Droitcour. 1,860,496 ; May 31.

Inking mechanism. H. Fankboner. 1,862,744; June 14.
Inking mechanism for printing machines. H. V. Ball and J. K. Tomlin. 1,840,009; Jan. 5.
Inking mechanism for printing machines. C. H. Crabtree. 1,862,785; June 14.
Inking mechanism for printing presses. H. A. W. Wood. 1,861,073; May 31.
Inking roller. M. W. Brueshaber. 1,882,480; Oct. 11.
Inking roller. H. C. Schroeder. 1,880,361; Oct. 4.
Inking mechanism. H. A. W. Wood. 1,873,235; Aug. 23.
Inking system for printing presses. W. H. Granger. 1,849,143; Mar. 15.
Inlaying machine, Rotary. W. J. Blenko. 1,857,619; May 10.
Inlet fitting. H. M. Creighton. 1,861,842; June 7.
Inner tubes and air bags, Making. F. T. Roberts. 1,880,904; Dec. 6.
Inscriptions and drawings intended to be placed upon wood, fabric, and other absorbent materials, Printing. G. Muzzioli. 1,879,417; Sept. 27.
Insect barrier for trees. A. T. Repp. 1,863,672; June 21.
Insect bites, Device for treating and preventing. J. F. Kaznicka. 1,882,013; Oct. 11.
Insect destroyer. A. D. Miller. 1,886,039; Nov. 1.
Insect destroyer. E. P. Moore. 1,839,247; Jan. 5.
Insect destroying device. C. L. Jackson. 1,890,116; Dec. 6.
Insect electrocutor. W. M. Frost. 1,858,923; May 17.
Insect electrocutor. W. M. Frost. 1,871,978; Aug. 16.
Insect electrocutor. W. M. Frost. 1,882,550; Oct. 11.
Insect electrocutor. R. L. Renwick. 1,879,495; Sept. 27.
Insect exterminator, Electrical. W. F. Folmer and H. L. Chapin. 1,848,614; Mar. 8.
Insect killing machine. C. B. Driver. 1,849,180; Mar. 15.
Insect pests, Exterminating. R. E. Fuller. 1,845,977; Feb. 16.
Insect trap. G. S. Crown. 1,870,712; Aug. 9.
Insect trap. W. M. Frost. Re18,313; Jan. 5.
Insect trap. C. C. Howard. 1,858,087; May 10.
Insect trap. C. H. Nixon. 1,888,563; Nov. 22.
Insect trap. H. S. Plummer. 1,855,985; Apr. 26.
Insect trap. D. J. Sullins. 1,857,890; May 10.
Insect trap. H. K. Taylor. 1,865,713; July 5.
Insect trap. J. M. Tippey. 1,856,200; May 3.
Insects, Apparatus for exterminating. F. E. Tracy. 1,863,584; June 21.
Insects, Apparatus for killing. N. Montellano. 1,885,854; Nov. 1.
Insecticide. D. H. Grant. 1,877,851; Sept. 20.
Insecticide. H. Knight. 1,875,466; Sept. 6.
Insecticide. K. Marx and H. Wesche. 1,842,093; Jan. 26.
Insecticide. K. Marx and H. Wesche. 1,843,332; Feb. 2.
Insecticide. F. B. McLane. 1,888,997; Nov. 29.
Insecticide and deodorizing tablet. F. J. Curran. Re18,504; June 28.
Insecticide and larvacide. F. B. McLane. 1,861,127; May 31.
Insecticide and making same. E. B. Alvord. 1,885,884; Nov. 1.
Insecticides and making same, Manufacture of. R. H. Carter. 1,842,443; Jan. 26.
Insecticides and making same, Manufacture of. R. H. Carter. 1,863,208; June 21.
Insecticides and making same, Manufacture of. R. H. Carter. 1,863,519; June 14.
Insecticide and making the same. E. T. Hessle. 1,887,156; Nov. 8.
Insecticide dusting rugs, upholstery, and clothing, Apparatus for. J. R. Mathes. 1,888,732; Nov. 22.
Insecticide spray. W. J. Beadlee and J. M. Ginsburg. 1,891,091; Dec. 13.
Insecticides floatable, Making. G. E. Sanders. 1,847,540; Mar. 1.
Insecticides, Making arsenical. J. F. Blyth and C. Ellis. 1,884,542; Oct. 25.
Insect for compounds, Molded. A. W. Miner. 1,869,162; July 26.
Insert for ornamental apparel belts, Metallic. M. Silverman and H. Pomerantz. Des. 87,730; Sept. 6.
Inserting machine. F. A. Lobley. 1,886,890; Nov. 8.
Insolating apparatus. C. E. Bills. 1,877,382; Sept. 13.
Insole. T. Hitzler. 1,869,257; July 26.
Insole. M. Lapidus. 1,840,514; Jan. 12.
Insole, Arch supporting. A. Boneke. 1,847,810; Mar. 1.
Insole, Arch supporting. M. Sadler. 1,853,938; Apr. 12.
Insole, Cushioned. J. Fenton. 1,841,942; Jan. 19.
Insole-making machine. E. A. Holmgren. 1,874,532; Aug. 30.
Insole-positioning means. A. R. Schoenky. 1,884,882; Oct. 25.
Insole, Shoe. H. C. Lanzer. 1,872,987; Aug. 23.
Insole support. W. Macdonald. 1,849,630; Mar. 15.
Inspection apparatus. C. J. Robinson. 1,850,415. Mar. 22.
Inspirator. W. B. Ensign and L. H. V. Reynolds. 1,873,473; Sept. 20.
Installation for heating the ground. F. Horning. 1,858,330; May 17.
Installation for registering data by perforation by manual and automatic means. C. Borel. 1,863,097; June 14.
Instrument and method for examining, testing, and exercising the eyes. A. S. Cameron. 1,887,708; Nov. 15.
Instrument balancing device. R. G. Arey. 1,861,253; May 31.
Instrument board. J. K. Northrop and O. B. Clark. 1,877,021; Sept. 13.
Instrument board. V. Novelli. 1,848,377; Mar. 8.
Instrument case. T. R. Harrison. 1,859,872; May 24.
Instrument drive. K. O. Helgeby. 1,872,288; Aug. 16.
Instrument for adjusting the teeth. R. Kawretzke. 1,881,196; Oct. 4.
Instrument for detecting vibrations. O. S. Petty. 1,864,214; June 21.
Instrument for determining elevation, Radio. W. S. Eaton. 1,854,122; Apr. 12.
Instrument for exercising the fingers. G. Woodhouse. 1,853,593; Apr. 12.
Instrument for finding the range difference of two aiming points. O. Eppenstein. 1,846,854; Feb. 23.
Instrument for graphic control. E. Szepesi. 1,889,006; Dec. 6.
Instrument for holding gauges for setting valves. H. Walker. 1,875,784; Sept. 6.
Instrument for observing stereoscopical images. W. Bauersfeld and H. Küppenbender. 1,843,439; Feb. 2.
Instrument for obtaining condyle-cast records. R. P. Clark. 1,864,804; June 28.
Instrument for outlining inscriptions on monuments or the like. W. H. Watts and E. J. Currie. 1,880,555; Oct. 4.
Instrument for removing corns and callosities without danger, J. Holz. 1,869,197; July 26.
Instrument for the comparison of the intensity of light rays. F. C. Whalen. 1,890,837; Dec. 13.
Instrument for the examination of the reaction of the eye pupils when different parts of the retina are illuminated. G. Braun. 1,887,115; Nov. 8.
Instrument for the implantation of radon seeds. J. Muir. 1,881,451; Oct. 18.
Instrument for viewing designs in multiple. W. G. Hunton. 1,866,306; July 5.
Instruments, Indicating and warning. H. Schlaich. 1,854,072; Apr. 12.
Instrument panel board. J. R. Padesky. 1,871,552; Aug. 16.
Instrument pointer structure. F. S. Stickney. 1,889,764; Dec. 6.
Instrument, Sketching. A. A. Hampton. 1,872,578; Aug. 16.
Instrument sterilizing box. J. B. Whittaker. 1,850,524; Mar. 22.
Instrument to aid in vocal tone culture. P. Quintina. 1,869,391; Aug. 2.
Insulated connecter for outlet boxes. H. G. Knoderer. 1,847,107; May 24.
Insulated wire and product obtained thereby, Making. T. V. Binmore and H. de B. Rice. 1,872,228; Aug. 16.
Insulating and wrapping machine. W. W. Bardsley. 1,855,900; Apr. 26.
Insulating article, Molded hollow. W. C. Tregoning. 1,871,635; Aug. 16.
Insulating blanket and controlling the distortion thereof. T. W. Simpson. 1,859,906; May 24.
Insulating block, Heat. W. L. Bodman. 1,839,914; Jan. 5.
Insulating block, Heat and sound. W. K. Nelson. 1,876,071; Sept. 6.
Insulating board. La E. Armstrong. 1,867,797; July 19.
Insulating board, Composite. G. R. Wyman. 1,855,161; Apr. 19.
Insulating bodies, Making waterproof. G. H. Ellis. 1,839,660; Jan. 5.
Insulating casing condenser assembly. E. J. Cowan. 1,889,544; Nov. 29.
Insulating coating for filaments and applying the same. J. Kaul. 1,874,542; Aug. 30.
Insulating composition. L. E. Power. 1,878,178; Sept. 20.
Insulating composition. S. T. Sherrick. 1,888,437; Nov. 22.
Insulating compound. A. R. Kemp. 1,874,307; Aug. 30.
Insulating device for high voltage lines. W. H. Knapp. 1,850,259; Oct. 4.
Insulating High tension. H. B. Rüder. 1,856,225; May 3.
Insulating joint. J. Rab. 1,884,223; Oct. 25.
Insulating joint. J. Rab. 1,888,241; Nov. 22.
Insulating material. J. G. Sawyer. 1,845,444; Feb. 16.
Insulating material. C. A. Styer. 1,872,358; Aug. 16.
Insulating material, Cellular. G. M. Thomson. 1,851,413; Mar. 29.
Insulating material, Colored composite. W. A. Boughton. 1,872,234; Aug. 16.
Insulating material, Composite. J. M. Coffey. 1,857,586; May 10.
Insulating material for building and similar purposes. C. A. Upson. 1,874,659; Aug. 30.
Insulating material, Heat. W. R. Gillies. 1,875,297; Aug. 30.
Insulating material, Heat and sound. E. R. Darling. 1,892,138; Dec. 27.
Insulating material, Making wood fiber. P. G. von Hilderbrandt. 1,872,533; Aug. 16.
Insulating material, Manufacture of. G. Cattaneo. 1,870,323; Aug. 9.
Insulating materials, Impregnating. L. Emanuell. 1,869,308; July 26.
Insulating mounting for anode grids. M. Schenkel. 1,880,499; Oct. 4.
Insulating package. H. C. Hinkley. 1,850,013; Mar. 15.

Insulating products and producing same. C. F. Logan and C. F. Mahnke. 1,863,329; June 14.
Insulating products, Making fibrous. F. Grunder. 1,876,221; Sept. 6.
Insulating products, Making high temperature. J. D. Morgan. 1,873,014; Aug. 23.
Insulating sleeve, Treating. H. Halperin and A. P. Thoms. 1,856,415; May 3.
Insulating structure and manufacturing same, Thermal. H. B. Lindsay. 1,842,875; Jan. 26.
Insulating tape. P. Simons. 1,867,183; July 12.
Insulation, Building. B. E. Balduf. 1,845,975; Feb. 16.
Insulation, cylinder chamber members, Making laminated. C. F. Peterson. 1,860,158; May 24.
Insulation for electrical conductors. H. Boving. 1,845,075; Feb. 16.
Insulation for flexible pipe structures. E. H. Gold and E. A. Russell. 1,853,207; Apr. 12.
Insulation for pole climbing spurs. G. O. Rush. 1,867,894; July 19.
Insulation from armature cores, Apparatus for removing. A. W. Phelps and J. Q. Holmes. 1,853,078; Apr. 12.
Insulation of metal bodies. H. Lathrop. 1,867,362; July 12.
Insulation, Producing felted mineral wool. G. D. Shaver. 1,865,049; June 28.
Insulation push-back machine. K. H. Andrén. 1,874,216; Aug. 30.
Insulation, Treating impregnated. F. L. Damarin and D. A. Harper. 1,839,885; Jan. 5.
Insulation stock for third rails. W. H. Ford. 1,888,552; Nov. 22.
Insulations, Impregnating electrical conductor. J. T. Goff. 1,848,344; Mar. 8.
Insulator. A. O. Austin. 1,876,578–9; Sept. 13.
Insulator. A. O. Austin. 1,876,583; Sept. 13.
Insulator. W. H. Cole. 1,852,486; Oct. 11.
Insulator. J. A. Dienner. 1,854,459; Apr. 19.
Insulator. M. F. H. Gouverneur. 1,848,622; Mar. 8.
Insulator. W. T. Hale. 1,873,605; Aug. 23.
Insulator. A. Montandon. 1,861,316; May 31.
Insulator. D. B. Palmer. 1,877,035; Sept. 13.
Insulator. C. L. Strong. 1,870,397; Aug. 2.
Insulator, Bee hive. E. J. Siemers. 1,889,184; Nov. 29.
Insulator bracket. W. M. Heim. 1,866,104; July 5.
Insulator cap. H. Rosen. 1,877,594; Sept. 13.
Insulator, Compensating strut type. A. O. Austin. 1,868,479; July 26.
Insulator, cotter pin, and mode of use. H. L. Galloway. 1,891,708; Dec. 20.
Insulator, Detachable. E.W. Brady. 1,867,206; July 12.
Insulator, Electric. W. B. Kyle. 1,877,003; Sept. 20.
Insulator for electric systems. H. Klemm. 1,863,631; June 21.
Insulator for heaters for electron discharge devices. H. E. Crowley. 1,876,901; Sept. 13.
Insulator for lamp leads, Detachable. E. W. Brady. 1,881,168; Oct. 4.
Insulator for transformers. F. J. Fischer. 1,847,603; Mar. 1.
Insulator, Heat. J. B. Barnitt and R. B. Derr. 1,870,437; Aug. 9.
Insulator, High tension. S. Barfoed. 1,858,611; May 17.
Insulator, high tension. R. M. Johnston and A. McLachlan. 1,871,671; Mar. 29.
Insulator, High tension. J. F. Scheid. 1,877,630; Sept. 13.
Insulator, Motor. J. W. Shields. 1,864,150; June 21.
Insulator, Noninterfering. K. A. Hawley. 1,889,244; Nov. 29.
Insulator, Rocking. P. B. Hoye. 1,863,405; June 14.
Insulator, Section. S. S. Matthes. 1,858,406; May 17.
Insulator, Section. R. H. McCafferty. 1,870,060; Aug. 2.
Insulator, Section. C. E. Watson. 1,868,619; July 26.
Insulator, Strain. B. M. Smalley. 1,864,951; June 28.
Insulator structure. C. Le Fortescue. 1,873,750; Aug. 23.
Insulator structure. H. C. Staton. 1,886,984; Nov. 8.
Insulator, Suspension. W. Weicker. 1,851,882; Mar. 29.
Insulator suspension yoke. K. A. Hawley. 1,871,519; Aug. 16.
Insulator, Transmission. W. S. Cone. 1,887,181; Nov. 8.
Insulator trimming machine, Multiple. A. G. Benard. 1,866,792; July 12.
Insulator, Vibration. J. W. Shields. 1,880,504; Oct. 4.
Insulator with caps. K. A. Hawley. 1,841,949; Jan. 19.
Insulators on power lines, Apparatus for protecting supporting. H. B. Vincent. 1,854,083; Apr. 12.
Insulin, Purifying. M. S. Kharasch. 1,866,569; July 12.
Intaglio printing. I. Gurwick. 1,867,405; July 12.
Intaglio printing. J. E. Woodbury. 1,878,565; Sept. 20.
Intaglio printing machine, Multicolor. A. A. Egli. 1,880,638; Oct. 18.
Intake for carburetors through hood louvers, Air. H. Walker. 1,855,038; Apr. 19.
Integrating mechanism. H. H. Gorrie. 1,892,183; Dec. 27.
Integrating mechanism. R. E. Woolley. 1,892,184; Dec. 27.
Integrating mechanism for metering instruments. T. R. Harrison. 1,856,039; Apr. 26.
Integrator. L. Ott and H. Adler. 1,886,576; Nov. 8.
Intelligence, Recording and reproduction of. O. R. Miller. 1,859,930; May 24.
Intensifier for photography. J. A. Kalix. 1,882,426; Oct. 11.
Intensity control. F. Schröter and W. Federmann. 1,865,046; July 5.
Interchangeable umbrella handle. M. H. Siegel. 1,887,950; Nov. 15.
Intercommunicating system. C. A. Anderson. 1,840,687; Jan. 12.
Intercommunicating system. C. E. Lomax and J. H. Voss. 1,852,619; Apr. 5.
Interest calculating device. A. M. Hunter. 1,890,182; Dec. 6.
Interference between power wires and communication wires, System for preventing. A. Herz. 1,881,574; Oct. 11.
Interference determining. J. Collard. 1,852,769; Apr. 5.
Interference eliminator for electrocardiographs. H. E. Nichols. 1,888,139; Nov. 15.
Interference, Reduction of. T. A. McCann. 1,888,280; Nov. 22.
Interior collar can. J. F. Peters. 1,842,459; Jan. 26.
Interior collar can. M. E. Widell. 1,839,435; Jan. 5.
Interior inspection device. G. L. Mitchell. 1,874,571; Aug. 30.
Interlock. J. P. Manypenny. 1,850,761; Mar. 22.
Interlock, Brake and door. J. C. McCune. 1,870,861; Aug. 9.
Interlock for electrical circuits. W. D. Risher. 1,891,949; Dec. 27.
Interlock mechanism, Electromechanical. J. Z. Winder. 1,857,227; May 10.
Interlocking apparatus for direction finders. F. H. Kroger. 1,871,800; Aug. 16.
Interlocking construction for metal partition. J. A. Bohnsack. 1,883,871; Oct. 25.
Interlocking frame for railway points and signals and the like. C. H. W. Edmonds. 1,880,035; Sept. 27.
Interlocking machine, Electric. N. L. Donovan and C. E. Lake. 1,880,034; Sept. 27.
Interlocking machine for railroads. W. K. Howe. 1,846,724; Feb. 23.
Interlocking mechanism. T. Brady. 1,845,904; Feb. 16.
Interlocking mechanism. E. L. Dunn. 1,847,039; Feb. 23.
Interlocking mechanism. B. M. Jordon. 1,847,112; Mar. 1.
Interlocking mechanism. J. Swinney. 1,877,747; Sept. 13.
Interlocking switch. F. A. Young. 1,851,230; Mar. 29.
Interlocking system for railroads. J. J. Larkin. 1,846,494; Feb. 23.
Interlocking system for railroads. E. C. Larry. 1,877,333; Sept. 13.
Interlocking system for railroads. J. E. Stephenson. 1,889,708; Nov. 29.
Intermediates and dyes therefrom. M. Mendoza. 1,841,622; Jan. 19.
Intermittent thermal switch. H. F. Löwenstein. 1,884,775; Oct. 25.
Internal brake. A. W. Frehse. 1,863,008; June 14.
Internal combustion engine. E. Adamson. 1,857,077; May 3.
Internal combustion engine. E. C. Ahrens. 1,856,048; Apr. 26.
Internal combustion engine. A. W. Arnold. 1,848,597; Mar 8.
Internal combustion engine. M. J-B. Barbarou. 1,866,873; July 12.
Internal combustion engine. J. A. H. Barkeij. 1,861,106; May 31.
Internal combustion engine. J. A. H. Barkeij. 1,874,419; Aug. 30.
Internal combustion engine. J. A. H. Barkeij. 1,885,576; Nov. 1.
Internal combustion engine. J. A. H. Barkeij. 1,892,129; Dec. 27.
Internal combustion engine. J. A. Bascle. 1,879,025; Sept. 27.
Internal combustion engine. K. Bassler. 1,845,901; Feb 16.
Internal combustion engine. F. Bracco. 1,849,398; Mar. 15.
Internal combustion engine. R. W. A. Brewer. 1,861,380; May 31.
Internal combustion engine. A. P. Brush. 1,867,649; July 19.
Internal combustion engine. A. Büchi. 1,859,693; May 24.
Internal combustion engine. J. H. Campbell. 1,873,994; Aug. 30.
Internal combustion engine. F. E. Clemons. 1,839,832; Jan. 5.
Internal combustion engine. H. H. Cutler. 1,845,245; Feb. 16.
Internal combustion engine. F. M. Dainton. 1,871,589; Aug. 16.
Internal combustion engine. F. M. Dainton. 1,889,641; Nov. 29.
Internal combustion engine. F. C. L. d'Aix. 1,856,242; May 3.
Internal combustion engine. D. A. and G. E. Davison. 1,859,199; May 17.

Internal combustion engine. M. J. A. de Malvin de Montazet and I. Johanson. 1,892,040; Dec. 27.
Internal combustion engine. L. M. Dodamead. 1,852,958; Apr. 5.
Internal combustion engine. R. N. Du Bois. 1,874,471; Aug. 30.
Internal combustion engine. F. Ebann. 1,851,303; Mar. 29.
Internal combustion engine. H. C. Edwards. 1,841,796; Jan. 19.
Internal combustion engine. H. C. Edwards. 1,848,247; Mar. 8.
Internal combustion engine. H. C. Edwards. 1,865,092; June 28.
Internal combustion engine. H. C. Edwards. 1,879,140; Sept. 27.
Internal combustion engine. H. C. Edwards. 1,891,322; Dec. 20.
Internal combustion engine. L. B. Ellis. 1,849,000; Mar. 8.
Internal combustion engine. O. H. Erickson. 1,890,148; Dec. 6.
Internal combustion engine. J. C. Evans. 1,873,324; Aug. 23.
Internal combustion engine. W. B. Fageol. 1,887,998; Nov. 15.
Internal combustion engine. C. Flaker. 1,860,667; May 31.
Internal combustion engine. J. C. Fredricksen 1,889,650; Nov. 29.
Internal combustion engine. L. O. French. 1,856,328; May 3.
Internal combustion engine. L. O. French. 1,866,300; July 5.
Internal combustion engine. P. Freund. 1,878,767; Sept. 20.
Internal combustion engine. T. Gabill. 1,856,994; May 3.
Internal combustion engine. H. A. Gebres. 1,866,703; July 12.
Internal combustion engine. J. C. Geiger. 1,883,686; Oct. 18.
Internal combustion engine. O. J. Gingerich. 1,866,928; July 12.
Internal combustion engine. J. Good. 1,875,589; Sept. 6.
Internal combustion engine. W. R. Griswold. 1,851,669; Mar. 29.
Internal combustion engine. W. R. Griswold. 1,864,904; June 28.
Internal combustion engine. W. R. Griswold. 1,874,039–40; Aug. 30.
Internal combustion engine. W. R. Griswold. 1,882,281; Oct. 11.
Internal combustion engine. H. C. Gronbeck. 1,864,241; June 21.
Internal combustion engine. E. J. Hall. 1,875,444; Sept. 6.
Internal combustion engine. E. J. Hall. 1,875,724 Sept. 6.
Internal combustion engine. J. F. Hermann. 1,847,560; Mar. 1.
Internal combustion engine. H. T. Herr. 1,841,119; Jan. 12.
Internal combustion engine. H. T. Herr. 1,854,190; Apr. 19.
Internal combustion engine. J. B. Hird, jr. 1,861,743; June 7.
Internal combustion engine. J. Hirtreiter. 1,859,299; May 24.
Internal combustion engine. H. L. Horning. 1,847,612; Mar. 1.
Internal combustion engine. H. Le V. Horning. 1,875,620; Sept. 6.
Internal combustion engine. D. D. and F. S. Hungerford and A. P. Newland. 1,853,563; Apr. 12
Internal combustion engine. M. B. Jackson. 1,860,673; May 31.
Internal combustion engine. L. P. Kalb. 1,839,560; Jan. 5.
Internal combustion engine. A. B. King. 1,874,194–5; Aug. 30.
Internal combustion engine. A. H. King and E. A. Ryder. 1,869,429–32; Aug. 2.
Internal combustion engine. O. C. Kreis. 1,874,311; Aug. 30.
Internal combustion engine. H. Lackler. 1,843,877; Feb. 2.
Internal combustion engine. G. M. Lagergren and W. G. Coxe. 1,852,932; Apr. 5.
Internal combustion engine. P. Landis. 1,858,365; May 17.
Internal combustion engine. R. Lee. 1,876,507; Sept. 6.
Internal combustion engine. W. Luxmore. 1,855,805; Apr. 26.
Internal combustion engine. P. E. Mack. 1,842,530; Jan. 26.
Internal combustion engine. W. S. Makaroff. 1,874,561; Aug. 30.
Internal combustion engine. A. N. Maller. 1,844,472; Feb. 9.
Internal combustion engine. J. G. C. Mantle. 1,881,789; Oct. 11.
Internal combustion engine. J. H. Marks. 1,872,478; Aug. 16.
Internal combustion engine. V. C. Mattson. 1,886,492; Nov. 8.
Internal combustion engine. E. R. Maurer and D. M. Ferguson. 1,874,327; Aug. 30.
Internal combustion engine. L. D. McCleary. 1,876,532; Sept. 6.
Internal combustion engine. H. E. McCray. 1,867,582; Sept. 19.
Internal combustion engine. J. J. McElhinney. 1,882,513; Oct. 11.
Internal combustion engine. J. A. McMillan. 1,856,348; May 3.
Internal combustion engine. A. J. Meyer and L. P. Kalb. 1,885,369; Nov. 1.
Internal combustion engine. C. R. Miner. 1,885,853; Nov. 1.
Internal combustion engine. C. H. Monroe. 1,849,149; Mar. 15.
Internal combustion engine. A. Moorhouse. 1,840,521; Jan. 12.
Internal combustion engine. A. Moorhouse. 1,841,416; Jan. 19.
Internal combustion engine. A. Moorhouse. 1,877,774; Sept. 20.
Internal combustion engine. A. Moorhouse. 1,878,165; Sept. 20.
Internal combustion engine. A. Moorhouse. 1,880,456; Oct. 4.
Internal combustion engine. W. R. Morris. 1,847,017; Feb. 23.
Internal combustion engine. O. Mortenson and O. De Guire. 1,841,046; Jan. 12.
Internal combustion engine. I. S. Mosher. 1,884,119; Oct. 25.
Internal combustion engine. E. C. Newcomb. 1,874,585; Aug. 30.
Internal combustion engine. A. M. Niven. 1,853,922; Apr. 12.
Internal combustion engine. A. M. Niven. 1,874,236–7; Aug. 30.
Internal combustion engine. W. Noble. 1,880,270; Oct. 4.
Internal combustion engine. A. Nutt and A. H. Leak. 1,860,814; May 31.
Internal combustion engine. F. J. Omo. 1,844,478; Feb. 9.
Internal combustion engine. F. J. Omo. 1,873,015; Aug. 23.
Internal combustion engine. V. H. Palm. 1,845,177; Feb. 16.
Internal combustion engine. F. B. Parks. 1,848,380; Mar. 8.
Internal combustion engine. R. W. Paton. 1,872,806; Aug. 23.
Internal combustion engine. R. Pawlikowski. 1,849,380; Mar. 15.
Internal combustion engine. J. C. Peterson. 1,850,474; Mar. 22.
Internal combustion engine. J. C. Peterson. 1,872,180; Aug. 16.
Internal combustion engine. G. Pielstick. 1,887,661; Nov. 15.
Internal combustion engine. A. Pierotti. 1,870,139; Aug. 2.
Internal combustion engine. G. Plato. 1,842,997; Jan. 26.
Internal combustion engine. M. D. Polston. 1,881,294; Oct. 4.
Internal combustion engine. J. Prentice. 1,869,077; July 26.
Internal combustion engine. H. Rabezzana. 1,863,875; June 21.
Internal combustion engine. B. Read. 1,877,051; Sept. 13.
Internal combustion engine. E. Rector. 1,848,089; Mar. 1.
Internal combustion engine. A. L. Rightenour. 1,863,877; June 21.
Internal combustion engine. W. H. Robertson. 1,879,910; Sept. 27.
Internal combustion engine. W. H. Robertson. 1,879,911; Sept. 27.
Internal combustion engine. W. H. Robertson. 1,880,025; Sept. 27.
Internal combustion engine. H. M. Rockwell. 1,887,787; Nov. 15.
Internal combustion engine. J. Rubinstein, V. Heidelberg, E. Uhlhorn, and W. Dahners. 1,886,978; Nov. 8.
Internal combustion engine. F. Sass. 1,862,321; June 7.
Internal combustion engine. F. Sass. 1,879,528; Sept. 27.
Internal combustion engine. C. H. Sauvan. 1,876,764; Sept. 13.
Internal combustion engine. H. J. Scharnagel. 1,867,680; July 19.
Internal combustion engine. A. A. Schell. 1,885,298; Nov. 1.
Internal combustion engine. E. Schimanek. 1,882,970; Oct. 18.
Internal combustion engine. C. E. Schlenker. 1,869,440; Aug. 2.
Internal combustion engine. C. E. Schlenker. 1,891,453; Dec. 20.
Internal combustion engine. A. Schwarz. 1,892,635; Dec. 27.

Internal combustion engine. J. E. Serste. 1,853,464: Apr. 12.
Internal combustion engine. H. R. Setz. 1,839,420; Jan. 5.
Internal combustion engine. J. M. Shoemaker. 1,879,551: Sept. 27.
Internal combustion engine. S. B. Smith. 1,881,330; Oct. 4.
Internal combustion engine. J. A. Speer. 1,844,109; Feb. 9.
Internal combustion engine. J. A. Speer. 1,852,133; Apr. 5.
Internal combustion engine. W. S. Stewart. 1,851,530; Mar. 29.
Internal combustion engine. B. C. Stickney. 1,851,547; Mar. 29.
Internal combustion engine. B. C. Stickney. 1,883,066; Oct. 18.
Internal combustion engine. H. Suder and M. Goth. 1,887,072; Nov. 8.
Internal combustion engine. C. E. Summers. Re18,414; Apr. 5.
Internal combustion engine. F. A. Thaheld. 1,859,541; May 24.
Internal combustion engine. S. W. Thompson. 1,854,238; Apr. 19.
Internal combustion engine. W. G. Thummel. 1,839,936; Jan. 5.
Internal combustion engine. M. Tibbetts. 1,871,480; Aug. 16.
Internal combustion engine. A. Vang. 1,869,633; Aug. 2.
Internal combustion engine. S. J. Velton. 1,859,687; May 24.
Internal combustion engine. J. G. Vincent. 1,869,122; July 26.
Internal combustion engine. J. G. Vincent. 1,878,210; Sept. 20.
Internal combustion engine. J. G. Vincent. 1,880,609; Oct. 4.
Internal combustion engine. J. G. Vincent. 1,884,410; Oct. 25.
Internal combustion engine. W. Waddell. 1,839,623; Jan. 5.
Internal combustion engine. B. Walker. 1,853,290; Apr. 12.
Internal combustion engine. B. Walker. 1,872,856; Aug. 23.
Internal combustion engine. O. H. Weber. 1,880,556; Oct. 4.
Internal combustion engine. R. D. Wehr. 1,886,770; Nov. 8.
Internal combustion engine. J. E. Whitfield. 1,845,734; Feb. 16.
Internal combustion engine. J. E. Whitfield. 1,865,493; July 5.
Internal combustion engine. A. A. Widmann. 1,844,450; Oct. 25.
Internal combustion engine. J. M. Williams, jr. 1,854,285; Apr. 19.
Internal combustion engine. A. E. Winckler. 1,875,838; Sept. 6.
Internal combustion engine. C. A. Wood. 1,858,126; May 10.
Internal combustion engine. C. R. Woodward, jr. 1,856,011; Apr. 26.
Internal combustion engine. L. M. Woolson. 1,842,468; Jan. 26.
Internal combustion engine. L. M. Woolson. 1,844,267; Feb. 9.
Internal combustion engine. L. M. Woolson. 1,848,922; Mar. 8.
Internal combustion engine. L. M. Woolson. 1,852,498; Apr. 5.
Internal combustion engine. L. M. Woolson. 1,853,712; Apr. 12.
Internal combustion engine. L. M. Woolson. 1,860,444; May 31.
Internal combustion engine. L. M. Woolson. 1,860,641; May 31.
Internal-combustion engine. L. M. Woolson. 1,863,232; June 14.
Internal combustion engine. L. M. Woolson. 1,866,280–1; July 5.
Internal combustion engine. L. M. Woolson. 1,874,681; Aug. 30.
Internal combustion engine. L. M. Woolson. 1,874,682–3; Aug. 30.
Internal combustion engine. L. M. Woolson. 1,878,224; Sept. 20.
Internal combustion engine. L. M. Woolson. 1,878,566; Sept. 20.
Internal combustion engine. L. M. Woolson. 1,880,643; Oct. 4.
Internal combustion engine. L. M. Woolson. 1,884,480; Oct. 25.
Internal combustion engine. L. M. Woolson. 1,886,443; Nov. 8.
Internal combustion engine. L. M. Woolson. 1,889,583; Nov. 29.
Internal combustion engine. L. M. Woolson. 1,891,321; Dec. 20.
Internal combustion engine. J. Zeeman. 1,868,301; July 19.
Internal combustion engine, Air cooled. W. F. Smith. 1,884,321; Oct. 25.
Internal combustion engine, Double-acting two-stroke. M. Trechsel. 1,862,040; June 14.
Internal combustion engine, Four-stroke. P. Findeisen. 1,866,022; July 5.
Internal combustion engine, Four-stroke. H. Heinzelmann. 1,850,813; Dec. 13.
Internal combustion engine (gasoline injection). H. T. Herr. 1,845,601; Feb. 16.
Internal combustion engine, Line air cooled. E. S. Marks. 1,869,206; July 26.
Internal combustion engine, Monocycle. J. C. Boessenecker. 1,849,220; Mar. 15.
Internal combustion engine, Multiple-cylinder two-stroke. F. Gosslau. 1,883,781; Oct. 18.
Internal combustion engine, Rotary. J. Cannizzaro. 1,874,239; Aug. 30.
Internal combustion engine, Rotary. W. W. Cleland. 1,859,618; May 24.
Internal combustion engine, Rotary. R. H. Erny. 1,850,833; Mar. 22.
Internal combustion engine, Rotary. G. E. Ezhelent. 1,860,707; May 31.
Internal combustion engine, Rotary. F. E. Macart. 1,856,839; May 3.
Internal combustion engine, Rotary. L. Sweningson. 1,839,275; Jan. 5.
Internal combustion engine, Rotary sleeve valve. J. A. Anglada. 1,839,458; Jan. 5.
Internal combustion engine, Scavenging two-stroke. K. Mohr and W. Heydemann. 1,839,576; Jan. 5.
Internal combustion engine, Sleeve valve. J. A. H. Barkeij. 1,874,223; Aug. 30.
Internal combustion engine, Supercharging. F. Abell. 1,892,124; Dec. 27.
Internal combustion engine, Two-cycle. C. G. Curtis, and E. R. Newton. 1,855,791; Apr. 26.
Internal combustion engine, Two cycle. P. C. Hammond and V. Weisel. 1,849,372; Mar. 15.
Internal combustion engine, Two-stroke. E. Herkt. 1,847,610; Mar. 1.
Internal combustion engine, Two stroke cycle. L. Oldfield. 1,857,656; May 10.
Internal combustion engine, Uniflow two-stroke cycle. S. M. Iddle and W. Trunell, jr. 1,875,528; Sept. 6.
Internal combustion engine, Uniform compression. T. R. Wilson. Re18,595; Sept. 13.
Internal combustion indicator. C. E. Cox. 1,890,601; Dec. 13.
Internal combustion motor. H. D. Church. 1,849,135; Mar. 15.
Internal combustion motor. D. Head. 1,891,326; Dec. 20.
Internal combustion motor. H. Karl. 1,865,013; June 28.
Internal combustion motor. B. Meissner. 1,891,770; Dec. 20.
Internal combustion motor. C. F. Nardin. 1,890,584; Dec. 13.
Internal combustion motor. S. M. and J. R. Packard, and W. L. Shuck. 1,858,278; May 17.
Internal combustion motor. R. Reid. 1,875,149; Aug. 30.
Internal combustion motor. P. E., C., O. C., and D. H. Reinhilber. 1,847,850; Mar. 1.
Internal combustion motor. L. G. White. 1,871,869; Aug. 16.
Internal-combustion motor, Rotary valve. G. B. Collier. 1,842,823; Jan. 26.
Internal combustion rotary engine. R. J. Meyer. 1,877,250; Sept. 13.
Interrupter, Rotary. C. Spaeth. 1,859,940; May 24.
Intucking mechanism. I. W. Litchfield. 1,851,676; Mar. 29.
Invalids, Apparatus for lifting. E. C. Bancroft. 1,876,832; Sept. 13.
Invertase preparation and making the same. L. Wallerstein. 1,855,591–2; Apr. 26.
Iodine and making the same, Colloidal. W. L. Chandler. 1,866,923; July 12.
Iodine composition. W. L. Chandler. 1,879,601; Sept. 27.
Iodine extraction. C. W. Jones. 1,853,621; Apr. 12
Iodine from brines, Auto-oxidative process of recovering. P. K. Randolph. 1,848,081; Mar. 1.
Iodine preparation. W. H. Engels. 1,889,195; Nov. 29.
Iodine, Purifying and drying crude. C. W. Girvin. 1,857,632; May 10.
Iodine, Recovering. C. W. Girvin. 1,843,127; Feb. 2.
Iodine, Recovery of. C. W. Girvin. 1,881,487; Oct. 11.
Iodine solution, Therapeutic. O. P. Amend. 1,841,694; Jan. 19.
Ion concentration effects, Apparatus for obtaining. H. C. Parker and W. N. Greer. 1,846,354; Feb. 23.
Ionic relay system. G. Valensi. 1,865,064; June 28.
Ionic separator. W. A. Homan. 1,872,591; Aug. 16.
Iridometer. R. W. Bennett. 1,891,041; Dec. 13.
Iron; See—
Brake beam safety iron.
Branding iron.
Building iron.
Chair iron.
Curling iron.
Electric iron.
Electric soldering iron.
Electric waffle iron.
Electrically heated iron.
Laundry iron.
Pressing iron.
Safety throw-off iron.
Smoothing iron.
Soldering iron.
Steam iron.
Three-way bending iron.
Iron and cast iron articles, Manufacturing cast. R. H. McCarroll and G. Vennerholm. 1,871,545; Aug. 16.

Iron and electric stove, Combined electric. M. H. P. Sologastoa. 1,862,912; June 4.
Iron and metal structures, Refractory covering. H. R. S. de La Roche. 1,839,644; Nov. 29.
Iron and other ores, Continuous process for the treatment of. M. Lambot. 1,885,923; Nov. 1.
Iron and producing the same from iron silicon alloys Gray cast. W. J. Merten. 1,849,502; Mar. 15.
Iron and steel, Manufacture of. H. J. Van Royen. 1,844,994; Feb. 16.
Iron and the like with the aid of a gas generated in the hardening furnace, Hardening of. H. Lindhorst. 1,848,958; Mar. 8.
Iron article and manufacturing thereof, Cast. R. H. McCarroll and G. Vennerholm. 1,871,544; Aug. 16.
Iron attachment, Electric. W. Mackenzie, jr. 1,862,411; June 7.
Iron attachment, Smoothing. H. G. Beaven. 1,847,808; Mar. 1.
Ironcarbonyl, Producing. L. Brandt. 1,868,044; July 19.
Iron casting, Malleable. R. T. Rycroft. 1,874,361; Aug. 30.
Iron-chromium alloys having a cold-rolled finish, Making ductile. H. S. George. 1,859,698; May 24.
Iron-cored inductance (choke coil, transformer) for direct current leads. R. Gurtler. 1,876,451; Sept. 6.
Iron, Electrodepositing. G. P. Fuller and C. A. V. Daviss. 1,862,745; June 14.
Iron, Extracting of. A. Langer. 1,868,666; July 26.
Iron for railway cars, Grab. W. P. Murphy. 1,850,353; Mar. 22.
Iron for railway cars, Grab. A. E. Small. 1,859,346; May 24.
Iron from the solutions freed from copper obtained by burning pyrites with chlorine, Precipitating. F. W. Stauf and H. Hagenest. 1,879,577; Sept. 27.
Iron halides from aluminium halides, Separating. C. G. Minet. 1,875,243; Sept. 20.
Iron having valuable magnetic properties, Production of. F. Duftschmid and L. Schlecht. 1,855,739; Apr. 26.
Iron, Making malleable. E. L. Ives. 1,858,548; May 17.
Iron, Making wrought. J. Aston and A. H. Beale. 1,890,637; Dec. 13.
Iron, Making wrought. F. H. Wile. 1,890,660; Dec. 13.
Iron, Malleableizing. R. H. McCarroll and G. Vennerholm. 1,871,543; Aug. 16.
Iron, Manufacturing of manganese pig. S. B. Sheldon. 1,846,152; Feb. 23.
Iron, Manufacturing strong black heart malleable cast. T. Mikuta. 1,862,310; June 7.
Iron-nickel-copper alloy, Non-magnetic. N. B. Pilling. 1,853,575; Apr. 12.
Iron ores, Improved characteristics, Preparing gray cast. E. L. Crosby and A. E. Rhoads. 1,886,873; Nov. 8.
Iron or steel alloys, Producing. H. G. Flodin and E. G. T. Lindberg. 1,875,247; May 10.
Iron or steel article and making the same, Coated. R. R. Tanner. 1,873,363; Aug. 23.
Iron or steel article and method and apparatus for producing same, Metal coated. J. L. Herman. 1,890,463; Dec. 13.
Iron or steel, Coating surfaces of. W. M. Phillips and G. M. Cole. 1,856,261; May 3.
Iron or steel directly from the ore and controlling the sulphur content thereof, Producing. E. W. Davis. 1,853,022; June 21.
Iron ore, Apparatus for treatment of. H. A. Brassert. 1,849,658; Mar. 15.
Iron ore without melting, Reducing. W. H. Smith. 1,846,530; Feb. 23.
Iron ores and the like, Treatment of. J. W. Hornsey. 1,841,602; Jan. 19.
Iron oxide ore to its metallic form, Reducing. W. W. Percy. 1,863,804; June 21.
Iron oxide pigments and producing the same as by-products of the reduction of aromatic nitre compounds. J. Laux. 1,849,428; Mar. 15.
Iron oxide pigments, Production of yellow. K. Ott and H. Schüssler. 1,840,326; Jan. 12.
Iron phosphate, Producing. W. H. Allen. 1,839,523; Jan. 5.
Iron, Producing molybdenum bearing. A. Kissock. 1,857,595; May 10.
Iron, Production of. K. M. Simpson. 1,885,381; Nov. 1.
Iron, Production of sponge. K. M. Simpson. 1,868,952; July 26.
Iron pyrites, Treatment of. S. I. Levy. 1,891,717; Dec. 20.
Iron silicon alloys, Treating. M. G. Corson. 1,852,836; Apr. 5.
Iron sleeper. F. Hartmann. 1,874,987; Aug. 30.
Iron such as iron for die-casting nuts, iron for screws, and the like, Manufacturing shear-resistance. F. Borggrafe. 1,860,568; May 31.
Ironer. L. Ringer. 1,865,048; June 28.
Ironer. N. H. Watts. Des. 87,321; July 5.
Ironer feed board. W. A. Frantz. 1,841,243; Jan. 12.
Ironer, Flat work. C. E. H. Hamilton, sr. 1,867,741; July 19.
Ironer, Flatwork. C. V. Milligan. 1,869,074; July 26.
Ironer, Flatwork. J. H. Skitt. 1,857,290; May 10.
Ironer, Hat. C. LaCavera. 1,881,699; Oct. 11.
Ironers, Sleeper finger for flatwork. C. E. Hamilton, sr. 1,860,538; May 31.
Ironing and pressing machine, Power operated. H. Pierce. 1,853,375; Apr. 12.
Ironing apparatus. C. S. Houston. 1,842,784; Jan. 26.
Ironing board. W. Gay. 1,849,184; Mar. 15.
Ironing board. L. Gothman and I. E. Smalley. 1,859,361; May 24.
Ironing board. J. E. Kalgren. 1,885,915; Nov. 1.
Ironing board. C. L. McLean. 1,849,750; Mar. 15.
Ironing board. F. J. Scott. 1,845,892; Feb. 16.
Ironing board. P. J. Selentin. 1,883,155; Nov. 29.
Ironing board. W. F. Soete. 1,842,493; Jan. 26.
Ironing board and closet construction. E. Soucie. 1,880,983; Nov. 8.
Ironing board, Cabinet. O. Juvet. 1,887,763; Nov. 15.
Ironing board clip. J. Worley, jr., and R. J. Burke. 1,868,691; July 12.
Ironing board, Folding. J. T. Berg. 1,890,448; Dec. 13.
Ironing board, Folding. F. D. King. 1,847,008; Feb. 23.
Ironing board, Folding. J. Worley, jr., and R. J. Burke. 1,868,185; July 19.
Ironing board, Metal fire resisting. L. Pruden. 1,891,179; Dec. 13.
Ironing board or table. J. L. Brown. 1,867,056; July 12.
Ironing-board structure. H. L. Fischacher. 1,892,615; Dec. 27.
Ironing boards, Attachment for. R. Stein. 1,881,144; Oct. 4.
Ironing boards, Fastening. C. A. Sivon. 1,892,118; Dec. 27.
Ironing machine. C. F. Anderson. 1,853,395; Apr. 12.
Ironing machine. W. J. Asher. 1,883,754; Oct. 18.
Ironing machine. L. A. Belmont. 1,885,044; Oct. 25.
Ironing machine. N. L. Etten. 1,882,214; Oct. 11.
Ironing machine. F. E. Gould. 1,849,756; Mar. 15.
Ironing machine. H. Hill. 1,869,745; Aug. 2.
Ironing machine. R. W. Janda. 1,867,839; July 19.
Ironing machine. C. Peter, H. Schubknecht, and Raymond D. Schnoor. 1,877,687; Sept. 13.
Ironing machine. J. W. Rackleyett. 1,885,806–7; July 26.
Ironing machine. C. Rusholl. 1,873,332; Aug. 23.
Ironing machine. C. C. Scheele. 1,887,734; Nov. 15.
Ironing machine. G. T. Scofield. 1,870,297; Aug. 9.
Ironing machine. C. Silverstine and S. Silverstein. 1,842,297; Jan. 19.
Ironing machine for coils. C. T. Raule. 1,890,162; Dec. 6.
Ironing press. F. E. Baker. 1,883,861; Oct. 25.
Ironing press. F. E. Baker. 1,883,863; Oct. 25.
Ironing press, Automatic. C. O. Reeps. 1,867,173; July 12.
Ironing table cover. G. W. Lewis. 1,885,737; Nov. 1.
Ironing table, Folding. J. P. Doran. 1,847,387; Mar. 1.
Irons, Heating and supporting means for electric. E. J. Salmon. 1,851,685; Mar. 29.
Irons, High strength gray cast. F. B. Coyle. 1,867,732; July 19.
Irons on kerosene stoves, Heating flat. O. L. Harrison. 1,867,073; July 12.
Irradiating device. N. K. Chaney. 1,842,313; Jan. 19.
Irradiation. C. E. Bills. 1,848,305; Mar. 8.
Irradiation process. I. A. Balinkin and C. F. Muth. 1,868,012; July 19.
Irrigating apparatus. D. Elder. 1,853,805; Apr 12.
Irrigating system. J. W. Ord. 1,890,387; Dec. 6.
Irrigation device. W. H. Coles and B. J. Nelson. 1,867,250; July 12.
Irrigator. A. H. Matlowsky. 1,884,786; Oct. 25.
Irrigator, Colon. A. E. Fisher. 1,847,954; Mar. 1.
Irrigator, Internal. D. B. Catlin. 1,853,202; Apr. 12.
Irrigator, Nasal. T. Inaki. 1,856,811; May 3.
Irrigator, Pulsating. H. Hertzberg. 1,846,596; Feb. 23.
Irrigator, Subsurface. J. H. Foster. 1,856,379; May 3.
Isatines, Manufacture of new. H. Colombara. 1,856,210; May 3.
Island structure. C. Bradshaw and N. Taylor. 1,856,312; May 3.
Isodibenzanthrones, Production of nitrogenous. M. A. Kuhn and K. Koeberle. 1,877,741; Sept. 13.
Ivory scrap, Utilizing. E. Bormans. 1,885,563; Nov. 1.
Jack:—
  Air jack. Pipe pushing jack.
  Air motor jack. Power jack.
  Auto wheel jack. Pulling jack.
  Automobile jack. Pump jack.
  Automobile or vehicle greasing jack. Pumping jack.
  Curb jack. Rack and gear jack.
  Drop pit jack. Ratchet jack.
  Floor jack. Screw jack.
  Framing jack. Shoe repairing jack.
  High lift jack. Suspension jack.
  Hydraulic jack. Switchboard jack.
  Ladder jack. Tire jack.
  Lifting jack. Treeing jack.
  Long stroke jack. Vehicle jack.
  Pick-up jack. Well pumping jack.
Jack. J. A. Adell. 1,889,941; Dec. 6.
Jack. N. A. Best. 1,890,144; Dec. 6.
Jack. W. C. Brinton. 1,848,157; Mar. 8.
Jack. J. M. Cantwell. 1,848,765; Mar. 8.
Jack. A. S. Isaksen. 1,852,305; Apr. 5.
Jack. A. H. Langenheim. 1,874,766; Aug. 30.
Jack. M. B. Lucker. 1,842,183; Jan. 19.

Jack. W. McKeage. 1,849,500 ; Mar. 15.
Jack. W. B. Runyan. 1,859,054 ; May 17.
Jack. W. B. Runyan. 1,874,357 ; Aug. 30.
Jack. E. J. Seeber. 1,874,128 ; Aug. 30.
Jack. I. A. Weaver. 1,852,544–5 ; Apr. 5.
Jack. G. E. Weaver and A. Vettel. 1,883,157 ; Oct. 18.
Jack and dolly. Combined lift. H. W. Chambers and A. Jakobi. 1,868,193 ; July 19.
Jack and head, Combined pump. A. M. Brown. 1,881,349 ; Oct. 4.
Jack and parking mechanism and automotive vehicles. F. L. Peebles and C. W. Baker. 1,888,049 ; Nov. 15.
Jack and progressive gauge, Combination. W. H. Watrous 1,883,154 ; Oct. 18.
Jack and punch, Strapping. E. J. Ketcham. 1,891,767 ; Dec. 20.
Jack for oil wells, Pumping. D. K. Cason, jr. 1,841,712 ; Jan. 19.
Jack for raising truck frames. F. Koehler. 1,881,199 ; Oct. 4.
Jack for semitrailers. D. H. Davis. 1,890,972 ; Dec. 13.
Jack mechanism. A. W. Varner and R. F. Ballard. 1,875,738 ; Sept. 20.
Jack mechanism for vehicles, Lifting. W. W. and R. W. Wolff. 1,868,785 ; July 26.
Jack, or prop, Valve. J. J. Barto, jr. 1,879,024 ; Sept. 27.
Jack or Samson post, Adjustable. T. A. L. Bowen. 1,853,256 ; Apr. 12.
Jack post clamp. H. H. Franks. 1,854,372 ; Apr. 19.
Jack stand. D. Bevilacqua. 1,839,734 ; Jan. 5.
Jack track. R. E. Evans. 1,887,924 ; Nov. 15.
Jacket, Leather. S. Raymond. Des. 86,976 ; May 17.
Jacket, Sanitary combing and make-up. N. K. Lemke and Z. C. Pass. 1,887,028 ; Nov. 8.
Jacket, Shipping. C. L. Bingman. 1,871,153 ; Aug. 9.
Jacket, Swimming. A. Tubiolo. 1,843,527 ; Feb. 2.
Jacking apparatus. J. Gutmann, jr. 1,850,203 ; Mar. 22.
Jacks attached to the axles of vehicles. G. Dessaint. 1,873,116 ; Aug. 23.
Jacks, Device for operating lifting. D. W. Sessions. 1,861,326 ; May 31.
Jacks, Mechanism for operating vehicle lifting. A. Schneider. 1,847,787 ; Mar. 1.
Jacquard apparatus for textile machines with movable implements for forming loops. G. Nobst. 1,851,863 ; Mar. 29.
Jacquard-design-mechanism for flat knitting machines. C. Hilscher. 1,858,777 ; May 17.
Jacquard head. C. A. Fisher and C. J. Ketner. 1,861,339 ; May 31.
Jamb for unplastered walls, Metal. I. A. Baum. 1,856,150 ; May 3.
Jams, jellies, and kindred products, Making. W. A. Rooker and W. Speas. 1,858,374 ; May 17.
Jar : *See*—
  Ant jar.
  Cooky display jar.
  Drill jar.
  Rotary jar.
  Vacuum jar.
Jar. F. S. Barbiers. Des. 86,656 ; Apr. 5.
Jar. L. Cordy. Des. 86,353 ; Mar. 1.
Jar. L. Cordy. Des. 86,667–8 ; Apr. 5.
Jar. L. Cordy. Des. 87,386 ; July 19.
Jar. L. Cordy. Des. 87,770 ; Sept. 13.
Jar. E. W. Fuerst. Des. 85,926 ; Jan. 5.
Jar. E. W. Fuerst. Des. 86,118 ; Feb. 2.
Jar. E. W. Fuerst. Des. 86,565 ; Mar. 22.
Jar. E. W. Fuerst. Des. 86,712 ; Apr. 12.
Jar. E. W. Fuerst. Des. 87,208 ; June 21.
Jar. E. W. Fuerst. Des. 87,512 ; Aug. 9.
Jar. J. J. McCullough. 1,849,879 ; Mar. 15.
Jar. F. Smith. Des. 86,584 ; Mar. 22.
Jar. H. S. Wade. Des. 87,047 ; May 31.
Jar and closure therefor. B. F. Savery. 1,861,552 ; June 7.
Jar and closure therefor. H. V. Williams. 1,842,226 ; Jan. 19.
Jar and other food container. Insect proof jam. H. E. P. Bracey. 1,886,373 ; Nov. 8.
Jar capping mechanism. W. J. Peelle. 1,854,424 ; Apr. 19.
Jar closure. L. R. Carvalho. 1,863,896 ; June 21.
Jar closure. L. T. Crabbe. 1,866,194 ; July 5.
Jar closure. A. C. Spahn. 1,877,258 ; Sept. 13.
Jar for grilling tools. L. L. Hazen. 1,888,126 ; Nov. 15.
Jar glass tightener, Fruit. A. Wittwer. 1,887,669 ; Nov. 15.
Jar lifter. R. E. Grace. 1,880,384 ; Oct. 4.
Jar or similar article. O. C. Noble. Des. 86,928 ; May 10.
Jar or similar article. O. C. Noble. Des. 87,167 ; June 14.
Jar or similar article. T. J. Piazzoli. Des. 86,408 ; Mar. 1.
Jar or similar article. T. J. Piazzoli. Des. 86,470 ; Mar. 8.
Jar or similar article. T. J. Piazzoli. Des. 86,540 ; Mar. 15.
Jar or similar container. H. Dryden. Des. 85,917 ; Jan. 5.
Jar or similar container. L. B. Webster. Des. 86,650–1 ; Mar. 29.
Jar or similar receptacle. B. F. Conner. Des. 87,712 ; Sept. 6.
Jar sealing apparatus. G. Staunton. 1,844,826 ; Feb. 9.
Jarring rollover, pattern drawing, molding machine. J. T. Ramsden. 1,869,865 ; Aug. 2.
Jaw combination wrench, Reversible. R. Hiltz. 1,874,751 ; Aug. 30.
Jaw crusher. E. B. Symons. 1,874,830 ; Aug. 30.
Jaw for lathe chucks, etc. L. E. Whiton. 1,844,616 ; Feb. 9.
Jaw trap. E. Rutherford. 1,858,751 ; May 17.
Jaws, Producing trap. F. E. Adams and C. E. Chesebro. 1,884,956 ; Oct. 25.
Jelly compound. H. T. Leo. 1,842,757 ; Jan. 26.
Jet inlet, Multiple. C. W. Sirch. 1,865,358 ; Apr. 26.
Jets or nozzles, Making. A. J. Weatherhead. 1,849,603 ; Mar. 15.
Jetty. L. B. Smith. 1,844,484 ; Feb. 9.
Jetty construction. C. R. Van Orman. 1,888,364 ; Nov. 22.
Jewel adaptable to all shapes of nick openings and to all edges of clothes, Jointed. L. J. Cartier. 1,847,595 ; Mar. 1.
Jewel counting. T. E. Foster. 1,879,896 ; Sept. 27.
Jewel mounting, Interchangeable. F. Kessler. 1,889,862 ; Dec. 6.
Jewel setting. M. J. Schless. 1,850,728 ; Mar. 22.
Jewelry and watch cleaning apparatus. R. C. Titus. 1,848,034 ; Mar. 1.
Jewelry, Article of. H. W. Peters. 1,881,291 ; Oct. 4.
Jewelry box. J. M. Shields. 1,863,937 ; June 21.
Jewelry construction. W. Silverman and M. Constantine. 1,862,710 ; June 14.
Jewelry, Making. H. W. Peters. 1,878,314 ; Sept. 20.
Jewelry setting. D. Selikoff. 1,844,606 ; Feb. 9.
Jig. G. W. Burr. 1,869,184 ; July 26.
Jig, Assembling. J. C. Dawson. 1,874,033 ; Aug. 30.
Jig, Dye. R. E. Rusden. 1,887,381 ; Nov. 8.
Jig for pipe welding, Removable chillering. A. F. Day. 1,850,470 ; May 3.
Jig for railway crossties, Boring. W. H. Kirkbride. 1,856,485 ; May 3.
Jigger, Dye. W. J. Norton. 1,887,462 ; Nov. 8.
Jigs used in coal or ore washing, Controlling the jigging action in. P. A. H. Demonceaux. 1,853,763 ; Apr. 12.
Jogger, Automatic. R. W. Borrowdale. 1,863,465 ; June 14.
Jogger for printing presses. E. Smith and W. B. Powell. 1,865,282 ; June 28.
Joinery marking gauge. F. R. Moore. 1,841,043 ; Jan. 12.
Joining device. C. C. Loomis. 1,856,396 ; May 3.
Joining telescoped tubular members. G. L. Chamberlain. 1,889,974 ; Dec. 6.
Joint : *See*—
  Articulated ankle joint.
  Balanced joint.
  Ball and socket joint.
  Bearing joint.
  Bell and spigot joint.
  Brazed or welded joint.
  Bus bar joint.
  Concrete pipe joint.
  Drill tool joint.
  Expansion joint.
  Flexible joint.
  Furniture joint.
  Gasket joint.
  Header joint.
  Hinge joint.
  Insulating joint.
  Mandrel joint.
  Masonry joint.
  Metal joint.
  Oscillating joint.
  Pipe and header joint.
  Pipe joint.
  Pivot joint.
  Rail joint.
  Roadway joint.
  Roof joint.
  Safety joint.
  Self adjusting joint.
  Skylight joint.
  Socket joint.
  Steel truss joint.
  Structural joint.
  Sucker rod joint.
  Swivel joint.
  T-iron joint.
  Tool joint.
  Universal joint.
  Valve stem joint.
  Waterproof joint.
  Wall board joint.
  Well casing joint.
Joint. W. A. Flumerfelt. 1,853,122 ; Apr. 12.
Joint. C. W. Gordon. 1,856,072 ; May 3.
Joint. D. E. Lindquist. 1,866,857 ; July 12.
Joint. D. E. Lindquist. 1,890,093 ; Dec. 13.
Joint. H. C. Lord. 1,862,027 ; June 7.
Joint. H. R. Lorentowicz and H. E. Thompson. 1,856,648 ; May 3.
Joint. R. F. Peo. 1,881,958 ; Oct. 11.
Joint. B. C. Place. 1,842,282 ; Jan. 19.
Joint. H. K. Rader. 1,881,943 ; Oct. 11.
Joint. A. B. Rypinski. 1,844,409 ; Feb. 9.
Joint. E. G. Schaeffer. 1,855,992 ; Apr. 26.
Joint. I. P. Whitehouse. 1,883,203 ; Oct. 18.
Joint and constructing the same, Expansion. L. L. Lord. 1,871,219 ; Aug. 9.
Joint and making same, Pipe. A. G. Perkins. 1,886,421 ; Nov. 8.
Joint and method of making, Fluid tight. W. G. Wilson. 1,873,855 ; Aug. 23.
Joint between metallic building units. J. A. Bohnsack. 1,842,308 ; Jan. 19.
Joint breaker and cathead, Combination. W. L. Foster. 1,867,621 ; July 19.
Joint breaker, Automatic. P. F. Murray. 1,830,330 ; Jan. 5.
Joint breaker, Automatic. P. F. Murray. 1,856,503 ; May 3.
Joint construction. W. A. Flumerfelt. 1,891,804 ; Dec. 20.
Joint filling material, Producing expansion. J. S. Hipple. 1,888,270 ; Nov. 22.
Joint for artificial hands, Lock. D. W. Dorrance. 1,846,954 ; Feb. 23.
Joint for artificial limbs, Ankle. C. E. Girton. 1,840,811 ; Jan. 12.

Joint for bedsteads and like purposes, Metal. V. E. Dickson, 1,875,805; Sept. 6.
Joint for cabinets or the like, Corner. W. R. Rix. 1,859,799; May 24.
Joint for cables and other devices. A. O. Austin. 1,876,595; Sept. 13.
Joint for concrete pavements, Transverse. R. B. Gage. 1,884,647; Oct. 25.
Joint for connecting sheet piling members. K. Nolte. 1,851,864; Mar. 29.
Joint for connecting tubular sections of poles and the like. C. de Witt. 1,870,771; Aug. 9.
Joint for conveyers. F. L. Furbush. 1,885,818; Nov. 1.
Joint for drill stems, Collapsible. G. V. Powers. 1,882,894; Oct. 18.
Joint for drill stems, Slip. R. A. Lincoln. 1,844,257; Feb. 9.
Joint for drill tubes, Safety releasing. M. L. Vallendor. 1,849,339; Mar. 15.
Joint for elliptical springs. R. W. Hastings and M. Harris. 1,876,924; Sept. 13.
Joint for endless bands such as felts. A. Bong. 1,852,732; Apr. 5.
Joint for flue sections and the like, Expansion. W. J. Massa. 1,871,627; Aug. 16.
Joint for furnaces, Expansion. S. H. Lanyon. 1,883,983; Oct. 25.
Joint for hose sections, Lockable. J. B. Wisner. 1,867,430; July 12.
Joint for insulators. A. O. Austin. 1,876,586; Sept. 13.
Joint for iron pilings. M. Sachs. 1,888,986; Nov. 22.
Joint for lead covered cables, Stop. E. F. Saylor. 1,845,629; Feb. 16.
Joint for metal beds. Corner. J. T. Brothers. 1,870,708; Aug. 9.
Joint for metal pipes, Lock. J. A. Krantz. Re18,444; Apr. 26.
Joint for pavements and the like, Expansion. C. Older. 1,856,722; May 3.
Joint for pavements, Expansion. W. R. Meadows. 1,892,659; Dec. 27.
Joint for pavements or the like. C. Older. 1,874,589; Aug. 30.
Joint for pile shells. E. D. Watt. 1,856,522; May 3.
Joint for pipes or vessels for containing fluid under pressure. H. A. Anderson. 1,859,065; May 17.
Joint for plumbing fixtures, Wall. H. M. Reed, jr. 1,882,233; Oct. 11.
Joint for pressing machines, Flexible. E. Davis. 1,842,073; Jan. 19.
Joint for pressure pipes. F. H. Sherrerd and A. M. Brunton. 1,847,676; Mar. 1.
Joint for roadways, Expansion. R. Adler. 1,863,180; June 14.
Joint for rotating shafts, Leakless. G. H. E. de Ram. 1,891,706; Dec. 20.
Joint for shock absorbers, Universal. W. A. Chryst. 1,853,093; Apr. 12.
Joint for split rims. T. J. Stockton. 1,881,249; Oct. 4.
Joint for stove pipes, Extension. R. H. Talley, and C. L. Prichett. 1,889,711; Nov. 29.
Joint for the eye-wires of ophthalmic mountings. J. J. Pomeranz and V. Tanasso. 1,891,176; Dec. 13.
Joint for tubular concrete members and the like. N. C. Johnson. 1,869,105; July 26.
Joint for waste pipes and the like. H. J. Luff. 1,878,945; Sept. 20.
Joint for water heaters, Fluid-tight. J. P. Morley and S. J. Lonergan. 1,839,248; Jan. 5.
Joint for well liners, Expansion. F. W. Baurmann. 1,846,539; Feb. 23.
Joint groove forming device, Expansion. R. C. Thomasson. 1,862,612; June 14.
Joint, Making a ring. W. N. Justice. 1,881,652; Oct. 11.
Joint material, Expansion. A. C. Fischer. 1,862,506; June 7.
Joint mechanism. H. C. Lord. 1,856,647; May 3.
Joint member and reenforcing rod support. J. N. Heltzel. 1,863,846; June 21.
Joint or connector for roofing sheets. J. M. Carter. 1,865,674; July 5.
Joint or connection for tubular bodies. A. C. Marshall. 1,856,000; May 31.
Joint or coupling, Expansion. G. W. Perks. 1,869,021; July 26.
Joint ring, Split. O. C. Gehrman. 1,889,828; Dec. 6.
Joint strip for thresholds and sills, Yielding. H. Kampes. 1,867,010; July 12.
Joint structure for pipes and the like. W. G. Wilson. 1,851,143; Mar. 29.
Joint structure, Insulated. L. E. Hendee. 1,864,351; June 21.
Joint with shroud, Universal. V. P. Williams. 1,891,858; Dec. 20.
Jointed bracket. J. A. Helnemann. 1,857,847; May 10.
Jointed members, Separably. H. L. Dardelet. 1,844,382; Feb. 9.
Joints and in apparatus therefor, Production of riveted. A. N. Jackson. 1,862,895; June 14.
Joints, Forming. C. K. Huhsing. 1,849,089; Mar. 15.
Joints, Forming universal. R. H. Rosenberg. 1,867,540; July 12.
Joints, Making sheet metalware. A. Shatkin. 1,872,189; Aug. 16.
Joints, Method of sealing. J. E. Boynton. 1,882,757; Oct. 18.
Joints of chain or like members. O. S. Penn. 1,865,334; June 28.
Joints, Securing mortise and tenon. D. P. Moore. 1,893,764; Mar. 22.
Joist. J. Kahn. 1,879,295; Sept. 27.
Joist. R. W. Stambaugh and W. E. Browne. 1,853,645; Apr. 12.
Joist and decking for floor construction, Combination steel. A. H. Tashjian. 1,863,257; June 14.
Joist and tile construction for floors and the like. H. F. Frease. 1,891,086; Dec. 13.
Joist, Bar. T. A. Lucy. 1,878,281; Sept. 20.
Joist construction. H. F. Young. 1,885,883; Nov. 1.
Joke buzzer. S. S. Adams. 1,845,735; Feb. 16.
Jolter. W. H. Wangelin. 1,890,171; Dec. 6.
Jordan engine. J. H. Haskell. 1,873,198; Aug. 23.
Jordan engine. E. A. Peterson. 1,890,622; Dec. 13.
Journal box. D. S. Barrows. 1,868,405; July 19.
Journal box. D. S. Barrows. 1,882,057–8; Oct. 11.
Journal box. R. J., Brittain, jr. 1,869,931; Aug. 2.
Journal box. R. J. Brittain, jr., and O. W. Young. 1,882,478; Oct. 11.
Journal box. G. F. Couch. 1,882,066; Oct. 11.
Journal box. A. H. Lake. 1,867,270; July 12.
Journal box. W. F. Richards. 1,841,016; Jan. 19.
Journal box and cap frame construction. R. J. Brittain, jr. 1,845,647; Feb. 16.
Journal box and truck construction. R. J. Brittain, jr. 1,855,903; Apr. 26.
Journal box construction. O. J. Horger. 1,886,018; Nov. 1.
Journal box for railway cars. R. R. Hawk. 1,873,885; Aug. 23.
Journal box, Locomotive. A. F. Phelps. 1,859,160–2; May 17.
Journal box, Locomotive. A. F. Phelps. 1,890,825; Dec. 13.
Journal box packing retainer. R. W. Johnson. 1,879,804; Sept. 27.
Journal box, Roller bearing. A. O. Buckius. 1,864,337; June 21.
Journal box, Roller bearing. A. O. Buckius. 1,873,541; Aug. 23.
Journal box, Roller bearing. T. Kurtz. 1,850,554; Mar. 22.
Journal box, Roller bearing. O. F. Packer. 1,846,977; Feb. 23.
Journal box sealing device. L. D. Grisbaum, W. L. Dwyer, and E. S. Pearce. 1,889,407; Nov. 29.
Journal box to a side frame, Interlocking a. H. W. Stertzbach. 1,875,770; Sept. 6.
Journal box wedges, Apparatus for surfacing railway. A. L. Prentice, S. G. Buckett, and C. C. Dibble. 1,850,955; July 5.
Journal for pulverizing mill rollers. C. E. Needham. 1,891,355; Dec. 20.
Journal lubricator. C. W. Akers and W. H. Foster. 1,877,633; Sept. 13.
Journal lubricator. J. J. Hennessy. 1,888,080; Nov. 15.
Journals of rotating cylinders and the like, Steam fitting for. B. A. Malkin. 1,859,975; May 24.
Jug. G. E. Ball. Des. 87,613–14; Aug. 23.
Jug. Auto. R. A. Stevenson. 1,882,898; May 3.
Jug or similar article. H. S. Wade. Des. 87,987; Oct. 18.
Juice, Apparatus for extracting and collecting fruit. N. M. Faulds. 1,888,528; Nov. 22.
Juice distributor. R. B. Taylor, B. B. Henderson, and O. R. Olsen. 1,859,724; May 24.
Juice expressor, Fruit and vegetable. D. A. Grandinetti. 1,843,982; Jan. 26.
Juice extracting implement, Fruit. M. A. Davis and J. Kunst. 1,861,426; May 31.
Juice extractor. G. Bungay. Des. 86,217; Feb. 16.
Juice extractor. G. W. Bungay. 1,886,250; Nov. 1.
Juice extractor. H. Fromm. 1,888,915; Nov. 22.
Juice extractor. J. R. Minsky and R. Burnham. 1,878,795; Sept. 20.
Juice extractor. L. Pogleln. Des. 86,265; Feb. 16.
Juice extractor, Electric. W. Juengst and O. M. Anderson. Des. 88,712; Dec. 20.
Juice extractor, Fruit. A. N. Burkholder and C. P. Mann. 1,856,221; Apr. 26.
Juice extractor, Fruit. B. R. Deleray. 1,855,341; Apr. 26.
Juice from citrous fruits, Extracting. U. V. d'Annunzio and G. Finzi. 1,850,001; Mar. 15.
Juice from fruits, Apparatus for extracting. U. V. d'Annunzio and G. Finzi. 1,871,590; Aug. 16.
Juice from legumes, Extracting. F. Condorelli and B. A. Coco. 1,849,569; Mar. 15.
Juice from sugar cane and kindred substances, Extraction of. F. Maxwell. 1,852,695; Apr. 5.
Juices, Treating sugar. J. P. Foster. 1,876,491; Sept. 6.
Junction box. J. A. Adell. 1,861,074; May 31.
Junction box. A. J. Laing. 1,865,926; July 5.
Junction box. F. H. Macneil. 1,850,759; Mar. 22.
Junction box. A. J. Strong. 1,862,811; June 14.
Junction box. B. C. Travis. 1,886,316; Nov. 1.
Junction box for underfloor systems. M. E. Phillips. 1,839,258; Jan. 5.
Junction box system for electric power cable installations. L. B. Woodworth. 1,871,938; Aug. 16.

Justifier for photographical or other typesetting machines. E. Uher, jr. 1,858,910; May 17.
Justifying device. V. E. Poupe-lmelier. 1,847,847; Mar. 1.
Jute fibers. Treating. J. R. Milson. 1,884,091; Oct. 25.
Ketones from secondary alcohols, Production. H. Sandkuhl. 1,892,011; Dec. 27.
Kerosene into lower boiling point hydrocarbon liquids, Converting. H. C. Wade. 1,842,221; Jan. 19.
Kerr cell. W. Gallahan. 1,872,925; Aug. 23.
Kerr cell. R. Swinne. 1,867,193; July 12.
Ketene, Preparation of. F. O. Rice. 1,879,497; Sept. 27.
Keto-benzoated, Heavy metal. H. A. Bruson. 1,880,759; Oct. 4.
Ketones and preparing the same, Chlorhydrins of alliphatic. B. E. Tressler. 1,873,072; Aug. 23.
Ketones, Hydro-aromatic. O. Diels and K. Alder. 1,891,043; Dec. 13.
Ketones of the anthraquinone series and making same. O. Bayer. 1,877,790; Sept. 20.
Ketones with more than nine ring members, Preparation of cyclic non-saturated. L. Ruzicka. 1,873,154; Aug. 23.
Key: See—
Finger key. Quick releasable key.
Firing key. Rail retaining key.
Locking key. Switch key.
Key and card carrier. L. Jones. 1,844,266; Jan. 12.
Key and type bar action. J. Alexander. 1,843,117; Feb. 2.
Key assembling machine. W. Pechy. 1,886,978; Nov. 8.
Keyboard and producing the same, Practice. F. Dunham. 1,890,724; Dec. 13.
Keyboard, Auxiliary. S. Tofé y Bonilla. 1,883,115; Oct. 18.
Keyboard construction. C. E. Grant. 1,840,712; Jan. 12.
Keyboard for calculating machines. A. J. Doughty. 1,891,896; Dec. 27.
Keyboard for calculating machines. A. A. Horton. 1,853,051; Apr. 12.
Keyboard for multiple impression typewriters. A. L. Parker. 1,843,920; Feb. 9.
Keyboard for typographical machines. L. W. Willis. 1,881,387; June 21.
Keyboard Instrument. E. Moor, C. Bechstein, jr., and H. J. Gravenstein. 1,877,526; Sept. 13.
Keyboard mechanism. H. A. Ebert. 1,851,966; Apr. 5.
Keyboard mechanism for printing telegraph apparatus. H. L. Krum. 1,884,753; Oct. 25.
Keyboard mechanism for telegraph apparatus. S. Morton. 1,849,807; Oct. 25.
Keyboard mechanism for typographical machines. S. E. Sperry. 1,874,134; Aug. 30.
Key lock. K. W. Kemp. 1,843,925; Feb. 9.
Key case. P. A. Gardner, jr. 1,857,146; May 10.
Key case. W. C. Hiering. 1,843,923; Feb. 9.
Key case. C. Lorber. 1,881,759; Oct. 11.
Key case. C. J. Ressmann. 1,858,963; May 17.
Key case. S. Schmalzgruber. 1,888,292; Nov. 22.
Key clip. R. A. Tucker. 1,854,081; Apr. 12.
Key construction. C. T. Smith. 1,868,128; Nov. 1.
Key container and article holder, Combined. P. Sockett. Des. 86,485–6; Mar. 8.
Key controlled sound powered operated machine. S. A. Swanson. 1,842,883; Jan. 26.
Key cutting apparatus. H. Hansen. 1,866,033–4; July 5.
Key cutting apparatus. H. Hansen. 1,880,461; Nov. 29.
Key cutting machine. H. W. Devlin. 1,885,002; Oct. 25.
Key cutting machine. J. Schechter. 1,860,160; May 24.
Key cutting machine. S. Segal. 1,839,418; Jan. 5.
Key-flask locker. M. Falk. 1,860,708; May 31.
Key duplicating machine. L. J. Caron. 1,848,046; Mar. 1.
Key fastener. M. L. Crum. 1,887,951; Nov. 15.
Key for brake beads, Wear reducing. J. A. Wagner. 1,873,217; Aug. 23.
Key holding case. G. H. Day. 1,874,919; Aug. 30.
Keyhole guard for locks, G. B. Ehrmann. 1,876,646; Sept. 13.
Key machine. H. Beisser. 1,850,311; Mar. 22.
Key mechanism for adding machines, Error. T. O. Mehn. 1,873,691; Sept. 13.
Key opening can. H. Hermani. 1,884,682; Oct. 25.
Key retainer. R. V. Creery. 1,866,086; July 5.
Key ring and safety key holder. L. Tessler. 1,848,032; Mar. 1.
Key tag and directory. L. A. Biggs and S. R. Goldstein. 1,841,780; Jan. 19.
Key-way. W. M. Brown. 1,852,502; Apr. 5.
Keying. J. L. Finch. 1,887,236; Nov. 8.
Keyless lock. D. W. McLaughlin. 1,839,406; Jan. 5.
Keyless switch. S. 1,857,038; May 10.
Keys to can ends, Welding. J. C. Holloway. 1,863,850; June 21.
Kier. E. D. Jefferson. 1,853,977; Apr 12.
Kiln. C. A. Coleman. 1,891,469; Dec. 20.
Kiln. H. Miscampbell. 1,869,705; Aug. 2.
Kiln. H. M. Robertson. 1,874,064; Aug. 30.
Kiln. H. M. Robertson. 1,883,400; Oct. 18.
Kiln and draft control for the same, Tunnel. A. S. Watts. 1,867,122; July 12.
Kiln, Ceramic. F. W. Brooke. 1,868,091; July 19.
Kiln, Downdraft. J. W. Ball. 1,853,496; Apr. 12.
Kiln, Dry. J. F. Cobb. 1,891,060; Dec. 13.
Kiln, Dry. T. T. Leonard. 1,855,401; Apr. 26.
Kiln for drying lumber and other substances. J. I. Steel. 1,890,756; Dec. 13.
Kiln for producing cellular blocks. W. Hathaway and K. Slidell. 1,858,499; May 17.
Kiln for the manufacture of bloated clay products. K. Slidell. 1,864,769; June 28.
Kiln for the manufacture of bloated clay products. E. M. Wyatt. 1,882,052; Oct. 11.
Kiln for the production of cellular building material. W. Hathaway and E. M. Wyatt. 1,860,739; May 31.
Kiln for the treatment of ceramic ware, Method of and tunnel. T. C. and W. O. Prouty. 1,862,548; June 14.
Kiln, Lumber drying. M. L. Mueller. 1,840,523; Jan. 12.
Kiln, Muffle. H. G. Begeman. 1,875,365; Sept. 6.
Kiln, Muffle. L. W. Madison. 1,886,491; Nov. 8.
Kiln, Progressive drying. J. F. Cobb. 1,845,398; Feb. 16.
Kiln, Tunnel. J. Daniels. 1,866,546; July 12.
Kiln, Tunnel. J. Fetzer. 1,885,811; Nov. 1.
Kiln, Tunnel. E. B. Forse and C. F. Geiger. 1,858,008; May 10.
Kiln, Tunnel. E. B. Forse and C. F. Geiger. 1,861,266; May 31.
Kiln, Tunnel. W. A. Hull. 1,867,318; July 12.
Kiln, Twin tunnel. W. L. Hanley, jr. 1,859,507; May 24.
Kimono. G. Fautrad. 1,885,422; Nov. 1.
Kit and the like, Hypodermic. N. Frutkow and J. C. Wahl. 1,876,493; Sept. 6.
Kit, Artist's. W. Grumbacher. 1,876,001; Sept. 6.
Kit, Artist's. B. B. Moore. 1,843,377; Jan. 12.
Kit, Drawing. J. R. Swift. 1,866,180; July 5.
Kit for automobiles, Emergency. A. Scholz and H. Frucht. 1,857,824; May 10.
Kit, Hypodermic. C. Sponsel. 1,859,316; May 24.
Kit, Hypodermic needle. A. A. Epstein. 1,872,917; Aug. 23.
Kit, Razor. G. Flintermann. 1,887,123–4; Nov. 8.
Kit, Sewing. B. V. Laing. 1,881,700; Oct. 11.
Kit, Sewing. H. D. Lapkin. 1,856,486; May 3.
Kit, Shaving brush. Electrically heatable. B. Hanyzer and R. Behm. 1,857,781; May 10.
Kitchen ventilator. C. V. Colvin and R. A. Foster. 1,874,906; Aug. 30.
Kite. F. B. Baker. 1,849,133; Mar. 15.
Kite. T. W. Besley. 1,880,694; Oct. 4.
Kite. T. W. De Mott. 1,868,525; July 26.
Kite. J. Helsenfelt and C. Meany. 1,840,951; Jan. 12.
Kite. L. E. Johnson. 1,864,197; June 21.
Kite, Airplane. W. E. Ikerman. 1,857,687; May 10.
Kite controller. W. J. Voss. 1,878,041; Sept. 20.
Kite reel. Knockdown. E. Sell. 1,840,214; Jan. 5.
Kneading and mixing machine, particularly for producing confectionery. F. Aeschbach. 1,859,690; May 24.
Kneading device. J. J. Reinhold. 1,879,493; Sept. 27.
Knee and elbow pad. F. Glahe. 1,862,303; June 7.
Kneeling bench, J. Razowski. 1,890,815; Dec. 13.
Kneeling bench. J. Silverman. 1,877,602; Sept. 13.
Knife. R. E. Brown. 1,888,488–9; Nov. 22.
Knife. P. T. and F. J. B. Champlin. 1,852,899; Apr. 5.
Knife. M. Garnett. Des. 86,766; Dec. 27.
Knife. G. A. Hasseler. 1,843,223; Feb. 2.
Knife. H. L. Ross. 1,887,188; Nov. 8.
Knife. J. R. Warren. 1,883,726; Oct. 18.
Knife and attachment, Paper-hanger's. G. A. Christopherson. 1,863,153; June 14.
Knife and flush light. R. D. Brown. 1,890,841; Dec. 13.
Knife and guard handle. S. Alexander. 1,850,090; Mar. 22.
Knife and knife holding means for veneer lathes. P. M. Elder and C. L. Orton. 1,857,446; May 10.
Knife and spoon pan rack. E. A. Zorsch. 1,886,075; Nov. 1.
Knife, Asparagus. E. L. A. Morrow. 1,884,116; Oct. 25.
Knife attachment for pitchforks, Band. W. W. Gordon. 1,861,526; June 7.
Knife attachment, Paperhanger's. A. Ege. 1,871,968; Aug. 16.
Knife, Banana. J. A. Weigel. Des. 87,284; June 28.
Knife, Cane. R. E. Hind. 1,856,332; Apr. 26.
Knife construction, Cam operated. R. B. Long. 1,841,967; Jan. 19.
Knife clamp, Veneer machine. L. F. Koss, jr. 1,890,582; Dec. 13.
Knife construction for bread slicing machines. J. V. Nelson. 1,841,144; Jan. 12.
Knife, Culinary. G. Webster. 1,877,211; Sept. 13.
Knife for barness mechanism, Lock. W. M. Wattle. 1,873,517; Aug. 23.
Knife for hullers. O. G. Simmons. 1,858,527; May 17.
Knife for looms, Lock. A. A. Gordon. 1,873,194; Aug. 23.
Knife, Fruit picking. C. T. and B. F. Parker. 1,891,888; Dec. 20.
Knife gauge. A. C. Bolton. 1,883,505; Oct. 18.
Knife hook adjusting sleeve. R. P. Barnes. 1,892,231; Dec. 27.

Knife, Jar-up rope. C. E. Gallman, J. Harshaw, and F. S. Haire. 1,855,853 ; Apr. 26.
Knife or similar article, Table. E. T. Beck. Des. 86,508 ; Mar. 15.
Knife, Perforator. D. L. Shull. 1,841,500 ; Jan. 19.
Knife, Pocket. O. Deppmeyer. 1,841,241 ; Jan. 12.
Knife, Pocket. A. F. Dodson 1,853,672 Apr 12.
Knife, Pocket. B. W. Readman. 1,888,887 ; Nov. 22.
Knife rack. R. H. Fried. 1,876,284 ; Sept. 6.
Knife, Rope. F. J. Spang. 1,867,033 ; July 12.
Knife, Safety pocket. T. Pernek, sr. 1,859,158 ; May 17.
Knife, Self-sharpening. E. L. Frank and J. D. Kibbey. 1,890,506 ; Dec. 13.
Knife sharpening devices. G. A. Zahler. 1,888,102 ; Nov. 15.
Knife, Shingle and linoleum. R. J. Tobin. 1,876,180 ; Sept. 6.
Knife, Stripping. W. H. Edmondson. 1,857,242 ; May 10.
Knife, Surgeon's. N. Seaholm. 1,869,586 ; Aug. 2.
Knife, Utility. I. S. Bodkin. 1,843,970 ; Feb. 9.
Knitted fabric. E. J. Berger. 1,841,701 ; Jan. 19.
Knitted fabric. P. W. Bristow and H. B. Houseman. 1,886,521 ; Nov. 8.
Knitted fabric. H. Hemmerich. Des. 87,061 ; May 31.
Knitted fabric. H. Hemmerich. Des. 87,782 ; Sept. 20.
Knitted fabric. P. Schmidt. Des. 88,261–2 ; Nov. 8.
Knitted fabric. M. Zwicky. Des. 88,451 ; Nov. 29.
Knitted fabric, Nonrun. D. Siegel. 1,850,185 ; Sept. 27.
Knitted fabric, Tubular T. H. Jones. 1,883,297 ; Oct. 18.
Knitting. J. A. Harron, J. J. Diamond, and G. Bley. 1,868,899 ; July 26.
Knitting. E. O. Nebel. 1,862,416–17 ; June 7.
Knitting apparatus. C. Bomboff. 1,877,492 ; Sept. 13.
Knitting machine. E. U. Ames. 1,867,644 ; July 19.
Knitting machine. P. A. Bentley, C. F. Manger, and C. H. Wainwright. 1,885,322 ; Nov. 1.
Knitting machine. W. Bond. 1,841,704 ; Jan. 19.
Knitting machine. B. T. Cole. 1,883,581 ; Oct. 18.
Knitting machine. J. G. M. Coudert and J. B. Terme. 1,875,855 ; Sept. 6.
Knitting machine. A. M. Cox. 1,891,023 ; Dec. 13.
Knitting machine. E. A. Feustel. 1,861,413 ; May 31.
Knitting machine. R. Hill. 1,869,147 ; July 26.
Knitting machine. L. Hinzlik. 1,847,716 ; Mar. 15.
Knitting machine. A. W. Kent. 1,881,360 ; Oct. 4.
Knitting machine. M. Kuehne. 1,888,321 ; Nov. 22.
Knitting machine. W. Lawkin. 1,887,431 ; Nov. 8.
Knitting machine. W. Larmour. 1,874,198 ; Aug. 30.
Knitting machine. R. H. Lawson and A. N. Cloutier. 1,883,695 ; Oct. 25.
Knitting machine. V. Lombardi. 1,866,945 ; July 12.
Knitting machine. S. C. Mack. 1,879,758 ; Sept. 27.
Knitting machine. H. A. Mellish. 1,847,710 ; Mar. 15.
Knitting machine. M. C. Miller. 1,876,722 ; Sept. 13.
Knitting machine. M. C. Miller. 1,877,573 ; Sept. 13.
Knitting machine. E. Rasmussen. 1,866,945 ; July 12
Knitting machine. W. L. Smith, jr. 1,853,783 ; Apr. 12.
Knitting machine. W. L. Smith, jr. 1,865,710 ; July 5.
Knitting machine. E. Soiers. 1,855,033 ; Apr. 19.
Knitting machine. A. E. Stewart. 1,859,256 ; May 17.
Knitting machine. J. Wachsman. 1,845,454 ; Feb. 16
Knitting machine and method. R. H. Lawson. 1,845,669 ; Feb. 16.
Knitting machine and method of knitting. R. H. Lawson and W. L. Smith, jr. 1,863,720 ; June 21.
Knitting machine and method, Slashing. T. S. Grieve. 1,855,019 ; Apr. 19.
Knitting machine and the production of fabrics thereon, Circular. T. H. Jones. 1,843,641 ; Feb. 2.
Knitting machine attachment. E. G. Fatta. 1,841,022 ; Jan. 12.
Knitting machine attachment, Straight. R. K. Liebernknecht. 1,884,004 ; Oct. 25.
Knitting machine, Automatic split foot stocking. J. L. Sutphen. 1,860,162 ; May 24.
Knitting machine, Circular. W. T. Barratt. 1,843,412 ; Feb. 2.
Knitting machine Circular. P. A. Bentley, F. Manger, and C. H. Wainwright. 1,870,550 ; Aug. 9.
Knitting machine, Circular. T. C. Bromley. 1,877,220 ; Sept. 13.
Knitting machine, Circular. P. C. Christensen. 1,846,793 ; Feb. 23.
Knitting machine, Circular. J. L. Getaz. 1,891,204 ; Dec. 13.
Knitting machine, Circular. J. L. Getaz. 1,891,215 ; Dec. 13.
Knitting machine, Circular. A. Harer. 1,871,609 ; Aug. 16.
Knitting machine, Circular. A. E. Page. 1,853,518–20 ; Apr. 12.
Knitting machine, Circular. A. E. and F. R. Page. 1,841,205 ; Jan. 12.
Knitting machine, Circular. J. Sirmay. 1,858,469 ; May 17.
Knitting machine, Circular. M. Steinmüller. 1,873,502 ; Aug. 23.
Knitting machine, Circular. G. F. Wagner. 1,884,420 ; Oct. 25.
Knitting machine cylinder. H. Swiglehurst. 1,850,817 ; Mar. 22.
Knitting machine, Full fashioned. K. Howie. 1,851,944 ; Mar. 29.
Knitting machine, Full fashioned. E. O. Nebel. 1,892,359 ; Dec. 27.
Knitting machine, Full fashioned. B. E. Pfueller. 1,857,102 ; May 3.
Knitting machine, Full fashioned. W. D. Richter. 1,856,707 ; July 5.
Knitting machine, Multidesign rib. W. Larkin. 1,841,249 ; Jan. 12.
Knitting machine operating mechanism. R. H. Lawson and A. Gagné. 1,882,431 ; Oct. 11.
Knitting machine, Pile fabric. D. P. Moore. 1,848,370 ; Mar. 8.
Knitting machine, Shifting point for full-fashion. F. Stevenson. 1,891,117 ; Dec. 13.
Knitting machine, Straight. Y. Ruinnet. 1,846,761 ; Feb. 23.
Knitting machine, Straight. K. O. Waechtler. 1,850,736 ; Mar. 22.
Knitting machinery. F. Veitel. 1,882,202 ; Oct. 11.
Knitting machines, Attachment for. R. E. Schletter. 1,841,918 ; Jan. 19.
Knitting machines, Cop holder for. J. O. McKean. 1,860,938 ; May 31.
Knitting machines, Fabric take-off mechanism for. M. Zwicky. 1,847,706 ; Mar. 1.
Knitting machines for producing goods patterned by re-enforcement, Device on flat. P. Lieberknecht. 1,867,704 ; July 19.
Knitting machines, Gap closing device for latch rings of. I. W. Grothey. 1,859,137 ; May 17.
Knitting machines, High splice attachment for circular. F. W. Robinson. 1,884,253 ; Oct. 25.
Knitting machines, Horizontal striping attachment for circular. J. Lawson and R. H. Lawson. 1,877,907 ; Sept. 20.
Knitting machines, Lace-clock mechanism for full-fashioned. M. Zwicky. 1,864,112 ; June 21.
Knitting machines, Latch ring for circular. A. Gagné. 1,852,607 ; Apr. 5.
Knitting machines, Movement control mechanism for straight. E. Richter. 1,873,034 ; Aug. 23.
Knitting machines, Mutable pattern drum for. A. E. Page. 1,846,690 ; Feb. 23.
Knitting machines, Needle bar for full fashioned. K. Howie. 1,848,293 ; Mar. 8.
Knitting machines, Narrow forming mechanism for circular. G. Nobst and E. Ulbricht. 1,852,256 ; Apr. 5.
Knitting machines, Plating device for. A. A. Moore. 1,853,892 ; Feb. 26.
Knitting machines, Plating mechanism for full fashioned. W. D. Richter. 1,840,821 ; Jan. 12.
Knitting machines, Row counter for flat. W. Heinitz. 1,860,578 ; May 31.
Knitting machines, Selective needle control mechanism for. W. Buts. 1,847,592 ; Mar. 1.
Knitting machines, Splicing attachment for circular. E. E. Paquette. 1,848,970 ; Mar. 8.
Knitting machines, Stop motion mechanism for. A. E. Byrd. 1,855,335 ; Apr. 26.
Knitting machines, Striping attachment for. W. J. Longtin. 1,874,769 ; Aug. 30.
Knitting machines, Striping attachment for circular. F. W. Robinson. 1,864,321 ; June 21.
Knitting machines, Tensioning means for plating. J. and R. H. Lawson. 1,882,429 ; Oct. 11.
Knitting machines, Thread-feeding attachment for circular. S. R. Hartranft. 1,848,477 ; Mar. 8.
Knitting machines, Thread feeding means for. R. H. Lawson. 1,842,974 ; Jan. 26.
Knitting machines, Thread-trapper and reverse-plating mechanism for. R. H. Holmes and R. H. Robinson. 1,866,108 ; July 5.
Knitting machines, Transfer device for. F. Dost. 1,849,077 ; Mar. 15.
Knitting machines, Welt turning mechanism for. W. Bock. 1,841,705 ; Jan. 19.
Knitting machines, Yarn-carrier-controlling means for. D. J. Werfelman. 1,877,262 ; Sept. 13.
Knitting machines, Yarn carrier stop control mechanism for flat. H. F. Page. 1,851,209 ; Mar. 29.
Knitting machines, Yarn feeding means for straight. R. E. Schletter. 1,859,411 ; May 24.
Knitting mechanism. H. E. Houseman. 1,866,567 ; July 12.
Knitting mechanism. E. E. and R. J. Paquette. 1,848,969 ; Mar. 8.
Knitting stitch measuring mechanism and process. R. H. Lawson. 1,882,430 ; Oct. 11.
Knives employed in pile cutting machines, Electrical control of movable. R. Street, jr. 1,850,692 ; Mar. 22.
Knives, Manufacture of. M. Maag and R. Salomon. 1,870,817 ; Aug. 9.
Knob and container, Combined shift lever. J. M. Lillgren. 1,862,964 ; June 14.
Knob, Door operating. J. A Kimball. 1,840,236 ; Jan. 5.
Knob for drawers or the like. L. McArthur. 1,855,482 ; Apr. 26.
Knob, Gear shift lever picture. L. F. Heerwagen. 1,848,526 ; Mar. 8.
Knobs to shafts, Connecting. M. Rathbun. 1,859,794 ; May 24.
Knockdown box. L. Chain. 1,883,553 ; Oct. 18.
Knockdown box. M. M. Clayton. 1,860,833 ; May 31.
Knock-down table. J. P. Meehan. 1,890,583 ; Dec. 13.

Knockdown tank. K. J. Hendricks. 1,877,507; Sept. 13.
Knock-off mechanism for slubbers and roving frames. J. C. Nunnally. 1,878,533; Sept. 20.
Knot tying. E. J. Abbott. 1,868,682; July 26.
Label. L. Freeman. 1,867,622; July 19.
Label. E. I. Petersen. 1,850,988; Mar. 22.
Label. E. I. Petersen. 1,885,031–3; Oct. 25.
Label and corner flap, Inside. F. R. Neely. 1,859,523; May 24.
Label and pocket member, Bottle. S. M. Andrews. 1,850,369; Mar. 22.
Label blank. E. W. Sears. Des. 87,549; Aug. 9.
Label, Crayon. R. N. Ingersoll. Des. 86,961; May 17.
Label dating device. C. H. Oslund. 1,855,487; Apr. 26.
Label for floor coverings. E. I. Petersen. 1,885,034; Oct. 25.
Label press. J. Babelka. 1,892,647; Dec. 27.
Label printing, cutting, folding, and packing machine, Automatic. A. Rosenthal. 1,870,424; Aug. 9.
Labeling machine. C. R. Pinholt. 1,875,301; Aug. 30.
Labeling machine. H. Oslund. 1,849,548; Mar. 15.
Labeling machine, Box end. H. J. Harding. 1,855,628; Apr. 26.
Labeling machine for toilet rolls and the like. F. C. Schueler. 1,847,904; Mar. 1.
Labeling machine, Toilet roll. J. A. Blann. 1,839,827; Jan. 5.
Labeling machines, Feed mechanism for. E. Ermold. 1,871,675–6; Aug. 16.
Labeling mechanism. J. Ferrara. 1,850,956; Mar. 22.
Labeling mechanism. J. E. Stoll. 1,847,678; Mar. 1.
Labels, Apparatus and method of making colored. E. Renick. 1,848,434; Mar. 8.
Labels, Fabricating metallic. F. Weindel, jr. 1,892,478; Dec. 27.
Labels from a pile, Device for detaching. E. H. Jähne. 1,886,102; Nov. 1.
Labels or the like upon two or more sides of boxes, particularly match boxes, Applying. G. M. Klute. 1,873,967; Aug. 30.
Labels to cylindrical cans or the like, Mechanism for applying. A. H. Sayer. 1,890,060; July 26.
Laboratory distillation apparatus. S. I. Charlesworth and A. W. Harris. 1,892,609; Dec. 27.
Laboratory stirrer. A. V. Moisinger. 1,841,756; Jan. 19.
Labyrinth gland for machine shafts. W. van Rijswijk. 1,873,988; Aug. 30.
Lace. W. R. Adairo. Des. 87,559; Aug. 16.
Lace. H. Belin. 1,888,650; Nov. 22.
Lace. G. D. Boysen. Des. 85,973; Jan. 12.
Lace. G. D. Boysen. Des. 86,824; Apr. 26.
Lace. B. Brosius. Des. 86,825; Apr. 26.
Lace. G. Cordier. Des. 86,764; Apr. 19.
Lace. G. Cordier. Des. 86,828; Apr. 26.
Lace. G. Cordier. Des. 86,967; May 24.
Lace. G. Cordier. Des. 87,146; June 14.
Lace. A. Delahaye. Des. 86,701; Apr. 12.
Lace. L. Desreumaux. Des. 86,966; Mar. 1.
Lace. J. Dognin. Des. 88,138; Oct. 25.
Lace. J. Dognin. Des. 88,341–2; Nov. 22.
Lace. J. Dognin. Des. 88,343; Dec. 6.
Lace. J. Dognin. Des. 88,761; Dec. 27.
Lace. B. Edson. Des. 85,979; Jan. 12.
Lace. B. Edson. Des. 87,565; Aug. 16.
Lace. B. Edson. Des. 87,909; Oct. 11.
Lace. P. Groebli. Des. 86,365; Mar. 1.
Lace. P. Groebli. Des. 86,368; Mar. 1.
Lace. H. W. Hucknall. Des. 85,936–8; Jan. 5.
Lace. H. W. Hucknall. Des. 86,374–5; Mar. 1.
Lace. H. W. Hucknall. Des. 86,523; Mar. 15.
Lace. H. W. Hucknall. Des. 86,839–40; Apr. 26.
Lace. H. W. Hucknall. Des. 87,094; May 31.
Lace. H. W. Hucknall. Des. 87,521; Aug. 9.
Lace. C. B. J. Molitor. Des. 87,672; Aug. 30.
Lace. C. B. J. Molitor. Des. 87,728; Sept. 6.
Lace. J. Moosher. Des. 86,534; Mar. 16.
Lace. J. Moosher. Des. 87,312; May 5.
Lace. S. H. Page. Des. 86,137; Feb. 2.
Lace. S. H. Page. Des. 86,739; Apr. 12.
Lace. S. H. Page. Des. 86,892; May 3.
Lace. S. H. Page. Des. 87,232–5; June 21.
Lace. S. H. Page. Des. 87,315–16; July 5.
Lace. S. H. Page. Des. 87,470; July 26.
Lace. S. H. Page. Des. 87,679; Aug. 30.
Lace. E. Poret. Des. 86,973–5; May 17.
Lace. A. Upton. Des. 86,943; May 10.
Lace edging, Embroidered. H. Schwarber. Des. 86,181; Feb. 9.
Lace edging, Embroidered. H. Schwarber. Des. 86,276–8; Feb. 16.
Lace in the course of weaving, Device for tensioning crimped. G. Perret. 1,860,592; May 31.
Lace, Irish. E. Ruesch. Des. 86,747; Apr. 12.
Lace or article of analogous nature. J. Hazeldine. Des. 87,921; Oct. 11.
Lace tipping machine. C. A. Matson. 1,888,429; Nov. 22.
Lace yoke for a neck piece for a woman's garment or similar article. N. Klein. Des. 87,583; Aug. 16.
Laces, strings, and the like, Tagging. R. L. Chasselon. 1,856,874; May 3.
Lacing tab. R. F. Bartel. 1,889,850; Dec. 6.
Lacquer and lacquer enamel containing certain petroleum products. B. N. Lougovoy. 1,855,681; Apr. 26.
Lacquer. Cellulose nitrate. O. Jordan. 1,865,191; June 28.
Lacquer comprising tribromo anisole, Crystallizing. R. L. Churchill. 1,850,419; Oct. 4.
Lacquer for application by brushing. G. Steimmig. 1,883,060; Oct. 18.
Lacquer for coatings on metal surfaces. H. Schladebach and H. Hahle. 1,844,983; Feb. 16.
Lacquer, Nitrocellulose. G. H. Mutersbaugh, M. Zucker, H. D. Heiser, and W. A. Shope. 1,856,653; May 3.
Lacquer, Nitrocellulose. A. Rogers. 1,884,255; Oct. 25.
Lacquer or the like, Applying. R. Z. Hopkins and W. D. Ogden. 1,861,475; June 7.
Lacquer, Quick drying. L. N. Bent. 1,839,529; Jan. 5.
Lacquers, Cellulose ester. G. Steimmig. 1,864,099; June 21.
Lactose, Preparation of dry monhygroscopic crude. R. M. Washburn. 1,870,270; Aug. 9.
Ladder. J. G. Wilder. 1,845,537; Feb. 16.
Ladder. H. Wittek. 1,854,240; Apr. 19.
Ladder, Adjustable. W. J. Carter, jr. 1,887,495; Nov. 15.
Ladder construction. S. A. McGaw. 1,876,335; Sept. 6.
Ladder device for ascending gas containers. F. Einbeck. 1,850,684; July 5.
Ladder, Fire escape. E. Bocchino. 1,848,557; Mar. 8.
Ladder, Folding fire escape. J. Reese. 1,859,984; May 24.
Ladder for freight cars. G. S. Chiles. 1,872,080; Aug. 23.
Ladder for railway cars. A. Campbell. 1,844,202; Feb. 9.
Ladder for sleeping cars, Berth. W. S. Gordon. 1,887,301; Nov. 8.
Ladder, Freight car. E. Newcastle. 1,852,430; Apr. 5.
Ladder jack. N. W. Olsen. 1,859,210; May 17.
Ladder, Metallic trussed aerial. R. F. Cowell. 1,887,546; Nov. 15.
Ladder, Nonskid fruit tree. F. J. Hohing and J. Livingston. 1,866,974; July 12.
Ladder support, Extension. J. C. Adams. 1,860,005; May 24.
Ladders, Scaffold attachment and safety device for. M. Osterdahl. 1,881,902; Oct. 11.
Ladle and carrier, Slag. A. F. Giese, jr. 1,890,150; Dec. 6.
Ladle, Foundry. O. L. Coffey. 1,873,549; Aug. 23.
Ladle, Hot metal. F. B. McCune. 1,871,333; Aug. 9.
Lagging for boiler furnaces. J. E Muhlfeld. 1,840,050; Jan. 5.
Laminate insulation. D. M. Simmons. 1,884,311; Oct. 25.
Laminated article. E. C. Schacht. 1,888,410; Nov. 22.
Laminated glass. J. C. Brier, G. B. Watkins, and W. F. Brown. 1,872,663; Aug. 23.
Laminated glass. W. F. Brown. 1,873,280; Aug. 23.
Laminated glass. J. F. Walsh. 1,875,964; Sept. 6.
Laminated glass. G. B. Watkins. 1,873,691; Aug. 23.
Laminated product bearing lens-like elements over extended areas. G. Griffith. 1,842,324; Jan. 19.
Laminated products and manufacture, Decorated. J. D. Cochrane, jr. 1,863,899; June 21.
Laminated products, Method of and machine for manufacturing. A. J. Chatillion. 1,865,455; July 5.
Laminated spring. H. Siepradt. 1,849,133; Apr. 5.
Laminated structures, Making. H. E. Cook and D. J. Richards. 1,858,883; May 17.
Lamp. R. J. Barone. Des. 87,503; Aug. 9.
Lamp. H. Becker. 1,853,491; Apr. 12.
Lamp. E. A. Bernard. Des. 87,043; May 31.
Lamp. G. A. Bogue. 1,884,697; Oct. 25.
Lamp. C. I. Brown. 1,886,634; Nov. 8.
Lamp. L. C. Doane. 1,840,769; Jan. 12.
Lamp. L. C. Doane. 1,852,749; Apr. 5.
Lamp. L. C. Doane. 1,873,309; Aug. 23.
Lamp. L. J. Gagnon. Des. 87,110; June 7.
Lamp. J. Gmeindl. Des. 87,307; June 28.
Lamp. H. J. Graham. 1,856,073; May 3.
Lamp. H. J. Graham. 1,862,572; June 14.
Lamp. H. J. Graham. 1,882,185; Oct. 11.
Lamp. H. M. Greist and H. F. Thurber. 1,886,804; Nov. 8.
Lamp. W. Hoffmann. Des. 87,213; June 21.
Lamp. W. Hoffmann. Des. 87,923; Oct. 11.
Lamp. A. L. Martinek. 1,860,195; May 24.
Lamp. J. W. Mead and L. Hoerner. 1,842,042; Jan. 19.
Lamp. C. J. Oberto. Des. 86,581; Mar. 22.
Lamp. J. F. Reader. 1,869,823; Aug. 2.
Lamp. C. Rebl. 1,861,360; May 31.
Lamp. O. C. Ritz Woller. 1,846,657; Feb. 23.
Lamp. A. Sabath. Des. 87,279; June 28.
Lamp. A. Sabath. 1,863,607; June 21.
Lamp. A. L. Sandel. Des. 87,855; Sept. 27.
Lamp. W. H. Schlesinger. Des. 86,865; Apr. 26.
Lamp. W. R. Young. Des. 88,137; Oct. 25.
Lamp. O. Zecher and C. H. G. Mellema. Des. 86,431; Mar. 1.
Lamp, Acetylene. W. F. Hunt and H. C. Stelling. 1,855,395; Apr. 26.
Lamp, Airplane inner-controlled spot. R. H. Hummert. 1,875,607; Sept. 6.
Lamp and guard handle. D. Woodhead. 1,853,107; Apr. 12.
Lamp and holder thereof, Electric incandescent. E. R. Grote. 1,885,431; Nov. 1.
Lamp and horn, Combined. A. J. Chanter. Des. 87,739; Sept. 13.

Lamp and method of manufacture, Incandescent electric. H. D. Madden. 1,842,184; Jan. 19.
Lamp and mooring bit, Combination marine. L. E. Perkins. 1,852,260; Apr. 5.
Lamp and picture frame, Combined table. M. E. Cramer. Des. 86,765; Apr. 19.
Lamp and stand, Combination. R. E. Mathiasen. 1,889,682; Nov. 29.
Lamp and switch therefor, Night. A. W. Franklin. 1,856,755; May 3.
Lamp and the illuminating body used therein, Electric. K. Agte. 1,854,970; Apr. 19.
Lamp and tray, Combined card table. V. S. Pearlman. Des. 88,568; Dec. 6.
Lamp apparatus, Vapor. B. J. Hall. 1,873,392; Aug. 23.
Lamp, Arc. O. Conaddy. 1,881,262; Oct. 4.
Lamp, Arc. W. R. Gruber. Des. 86,369; Mar. 1.
Lamp, Arc. E. S. Humphreys. 1,877,242; Sept. 13.
Lamp, Arc. G. C. Rauch and J. W. Plunkett. 1,881,243; Oct. 4.
Lamp, Arc. J. H. Wagenhorst. 1,840,860; Jan. 12.
Lamp, Arc. J. H. Wagenhorst. 1,884,417; Oct. 25.
Lamp arrangement for motor vehicles, Steering or turning. H. A. Wiseman. 1,891,791; Dec. 20.
Lamp attachment. H. McCarten. 1,846,345; Feb. 23.
Lamp, Auto signal. S. F. Nanna. Des. 86,135; Feb. 2.
Lamp, Automobile. B. M. Calvert. Des. 88,724; Dec. 20.
Lamp, Automobile hood bracket. S. Piombo. 1,858,232; May 10.
Lamp, Automobile signal. J. Evich. Des. 87,105–6; June 14.
Lamp, Automobile signal. J. Evich. Des. 87,207; June 21.
Lamp, Automobile signal. J. C. Stimson. Des. 87,692; Aug. 30.
Lamp base. D. S. Gustin. 1,865,468; July 5.
Lamp, Battery hand. H. W. Jones. 1,879,622; Sept. 27.
Lamp, Battery hand. H. W. Jones and H. G. Graubner. 1,879,621; Sept. 27.
Lamp, Battery hand. R. A. Stevenson. 1,872,840; Aug. 23.
Lamp black, Method and apparatus for producing. J. C. Morrell and V. A. Mckier. 1,890,188; Dec. 6.
Lamp black, Process and apparatus for manufacturing. E. E. Lyder. 1,844,327; Feb. 9.
Lamp body. A. F. Pieper. Des. 88,439; Nov. 29.
Lamp body or similar device, Hanging. G. E. McFadden. Des. 87,754; Sept. 13.
Lamp, Bridge. G. W. Cassidy. 1,882,409; Oct. 11.
Lamp chain, Inside coiled. A. M. Hageman and A. F. Lindstrom. 1,864,271; June 21.
Lamp cable securing device, Street. O. Anklam. 1,873,923; Aug. 23.
Lamp, Candle. J. E. Greenan. 1,842,904; Jan. 26.
Lamp, Candle. J. D. Hall. 1,842,167; Jan. 19.
Lamp, Carbide. F. Smelik and L. J. Krudwig. 1,852,862; Apr. 5.
Lamp changing mechanism for beacons. C. H. Bissell. 1,876,840; Sept. 13.
Lamp chimney or the like. E. C. Hubbard. Des. 86,028; Jan. 19.
Lamp clamp. J. J. Kennedy. 1,881,663; Oct. 11.
Lamp, Clock. C. H. H. Rodanet. Des. 87,312; July 19.
Lamp construction. H. B. Donley. 1,874,088; Aug. 30.
Lamp construction. H. C. Foster. 1,894,725; June 28.
Lamp construction, Arc. V. A. Hanson. 1,882,577; Oct. 11.
Lamp construction, Laminated. J. F. Schmidt. 1,868,259; July 19.
Lamp control device. C. L. Patterson. 1,861,752; June 7.
Lamp control for vehicles. J. S. Tritton. 1,887,074; Nov. 8.
Lamp control for vehicles. J. S. Tritton. 1,887,828; Nov. 15.
Lamp, Convertible bed and table. L. Crane. 1,891,971; Dec. 27.
Lamp, Conveyance. E. J. Gregory. 1,843,154; Feb. 2.
Lamp, Dentist's and doctor's. H. B. Walthers. 1,850,219; Mar. 22.
Lamp device, Time controlled incandescent. C. W. Burger. 1,853,303; Apr. 12.
Lamp, Diffusing. A. Stauber, jr. 1,891,846; Dec. 20.
Lamp, Electric. H. A. Douglas. 1,853,514; Apr. 12.
Lamp, Electric. H. A. Douglas. 1,873,312; Aug. 23.
Lamp, Electric. H. A. Douglas. 1,876,873; Sept. 13.
Lamp, Electric. K. R. Haley. Des. 88,782; Dec. 27.
Lamp, Electric. R. E. D. Maradel. 1,878,873; Sept. 20.
Lamp, Electric. H. G. Martin. 1,883,603; Oct. 18.
Lamp, Electric. F. Meyer, H. J. Spanner, and E. Germer. 1,877,932; Sept. 20.
Lamp, Electric discharge. M. Pirani. 1,879,470; Sept. 27.
Lamp, Electric incandescent. J. Van Eck and F. Fekkes. 1,853,423; June 13.
Lamp, Electric pocket or hand. P. Ratbmann. 1,871,389; Aug. 9.
Lamp, Electric signal. C. Adler, jr. 1,889,725; Nov. 29.
Lamp electrode, Arc. W. G. Moore. 1,872,322; Aug. 16.
Lamp, Flash. J. Ostermeier. Re18,678; Dec. 6.
Lamp, Exciter. I. H. Barkey. 1,865,152; June 14.
Lamp filament, Coiled. S. Wadsten and C. W. Hunt. 1,871,018; Aug. 9.
Lamp fixture. C. A. B. Halvorson. 1,844,651; Feb. 9.
Lamp, Floor. W. J. Grady. Des. 85,927–8; Jan 5.
Lamp for advertising purposes. G. L. Rowe. 1,885,860; Nov. 1.
Lamp for automobile rear seats, Folding. R. H. Dietrich. 1,845,401; Feb. 16.
Lamp for motor cars. J. J. Göransson and T. Koch. 1,882,493; Oct. 11.
Lamp for motor vehicles, Swivel. F. D. Kendrick. 1,867,411; July 12.
Lamp for photo electric apparatus, Exciter. R. P. May. 1,851,830; Mar. 29.
Lamp for television, Neon. F. W. Zons. 1,858,698; May 17.
Lamp for vehicles, Indicating. H. F. Kurtz. 1,885,842; Nov. 1.
Lamp, Gaseous conduction. G. S. James. 1,881,619; Oct. 11.
Lamp, Glow. R. M. Heintz. 1,842,525; Jan. 26.
Lamp, Glow discharge. T. E. Foulke. 1,879,158; Sept. 27.
Lamp, Glow discharge. F. Gray. 1,865,516; July 5.
Lamp, Glowing crucifix. G. Lehmann. Des. 86,245; Feb. 16.
Lamp, Glowing emblem. G. Lehmann. Des. 86,246; Feb. 16.
Lamp hanger structure. A. J. Thompson. 1,858,908; May 17.
Lamp, Hanging. N. C. H. Muench. Des. 87,935; Oct. 11.
Lamp, Incandescent. P. O. Curtun. 1,869,998; Aug. 2.
Lamp, Incandescent. T. Kowvallis. 1,860,035; May 24.
Lamp, Incandescent. C. H. Louttit. 1,858,712; May 17.
Lamp, Incandescent. R. Morton and H. M. Stoller. 1,864,547; June 28.
Lamp, Incandescent. G. Piersimoni. 1,848,904; Mar. 8.
Lamp, Incandescent. G. Piersimoni. 1,863,152; June 14.
Lamp, Incandescent. C. Rave. 1,875,147; Aug. 30.
Lamp, Incandescent. W. H. Weeks. 1,843,856; Feb. 2.
Lamp, Incandescent electric. D. S. Gustin. 1,856,247; May 3.
Lamp, Incandescent electric. J. Force. 1,889,598; Nov. 29.
Lamp, Inspection. A. L. Stevens. 1,877,077; Sept. 13.
Lamp lens. M. A. Smith. 1,887,107; Nov. 8.
Lamp, Mercury vapor. M. Hulett. 1,886,400; Nov. 8.
Lamp, Metal arc. H. Stammreich. 1,885,537; Nov. 1.
Lamp, Metal vapor. S. Van Bogdandy and L. Wamoscher. 1,875,963; Sept. 6.
Lamp, Multiple electric display. A. M. Young and W. Pollack. 1,844,624; Feb. 9.
Lamp, Multiple spot. C. F. Jenkins. 1,879,688; Sept. 27.
Lamp, Novelty. S. S. Green. 1,856,089; May 3.
Lamp or like article, Floor. A. Del Purgatorio. Des. 87,483; Aug. 2.
Lamp or similar article, Cblme. O. H. Liebich. Des. 86,247; Feb. 16.
Lamp or similar article, Table. A. Krueger. Des. 86,574; Mar. 22.
Lamp, Portable. G. J. La Viene. 1,879,343; Sept. 27.
Lamp, Portable. G. J. La Vigue and W. C. Greist. 1,865,928; July 5.
Lamp, Portable. B. McCandless. 1,870,687; Aug. 9.
Lamp, Portable battery. A. Mitchell. 1,889,788; Dec. 6.
Lamp, Portable electric. A. C. Recker. Des. 87,543; Aug. 9.
Lamp post, Metal. J. F. Ne Page. 1,878,799; Sept. 20.
Lamp post, Metal. J. F. Ne Page. 1,882,228; Oct. 11.
Lamp, Projector. R. A. Glapp. 1,877,657; Sept. 13.
Lamp, Projector. F. Transom. 1,857,120; May 3.
Lamp ray regulator. C. W. Anderson. 1,852,278; Apr. 5.
Lamp, Recording glow. T. H. Nakken. 1,888,328; Nov. 22.
Lamp, Reflecting electric. H. A. Douglas. 1,864,642; June 28.
Lamp, Reflecting electric. H. A. Douglas. 1,876,877; Sept. 13.
Lamp, Reflector. M. E. Gottlieb. 1,854,932; Apr. 19.
Lamp shade frame. A. Burdick. 1,877,552; Sept. 13.
Lampshade, Ornamented silk. A. Kiss. 1,879,314; Sept. 27.
Lamp, Signal. M. T. Geyser. 1,886,004; Nov. 1.
Lamp, Signal. H. R. Kirkland. 1,858,994; May 17.
Lamp, Signal. L. C. Kuehner. 1,846,208; Feb. 23.
Lamp, Signal. E. J. Loss. 1,884,014; Oct. 25.
Lamp socket motor. V. G. Apple. 1,871,542; Oct. 4.
Lamp stand. C. W. Dake. 1,870,609; Aug. 9.
Lamp stand. C. A. Egli. 1,865,179; June 28.
Lamp starting device. H. M. Erdmann. 1,859,854; May 17.
Lamp starting device. C. Spaeth. 1,854,912; Apr. 19.
Lamp starting device. C. Spaeth. 1,881,975–6; Oct. 11.
Lamp, Storage battery inspection. I. B. Coffey. 1,879,097; Sept. 27.
Lamp, Street. J. E. Manfré. 1,847,775; Mar. 1.
Lamp structure. E. C. Albright. 1,864,706; June 28.
Lamp structure for camears, Flash. H. T. Hipwell. 1,853,271–2; Apr. 12.
Lamp, Switchboard. A. Corbett. 1,858,819; May 17.
Lamp. Switchboard indicating. W. H. Schramm. 1,871,748; Aug. 16.
Lamp, Table. L. C. Doane. Des. 87,049; May 31.
Lamp, Table. R. J. Lieng. Des. 86,169; Feb. 9.
Lamp, Table. O. A. Reinhold. Des. 87,025; May 24.
Lamp, Tail. J. P. Nikonow. 1,847,124; Mar. 1.
Lamp, Television. H. K. Sandell. 1,847,308; Mar. 1.

Lamp, Test. S. I. Charlesworth, A. W. Harris, and C. P. Linder. 1,892,329; Dec. 27.
Lamp, Therapeutic. W. Bunzl. Des. 86,662–3; Apr. 5.
Lamp, Therapeutic. F. E. Johnson. 1,842,100; Jan. 19.
Lamp, Therapeutic. G. D. Rice. 1,859,601; May 24.
Lamp, Therapeutic arc. I. Jeppson. 1,871,699; Aug. 16.
Lamp, Therapeutical. A. E. Wiebe. 1,850,252; Mar. 22.
Lamp torchere with luminous reflector. P. Parlato. Des. 87,128; June 7.
Lamp, Universal. J. A. Dickey. 1,889,978; Dec. 6.
Lamp, Vehicle. S. Makaroff. 1,852,188; Oct. 11.
Lamp, Vehicle auxiliary. H. von Stumm. 1,876,804; Sept. 13.
Lamp with markings. L. L. Raymond. 1,855,772; Apr. 26.
Lamp with sliding joint. A. L. Arenberg. 1,841,352; Jan. 12.
Lamps and the like, Elastic suspension for electric. J. Voss. 1,846,166; Feb. 23.
Lamps, Arrangement for electric incandescent. R. P. A. Andersson. 1,875,692; Sept. 6.
Lamps, Assembling the stems and associated parts of incandescent electric. H. M. Pingen. 1,866,904; July 12.
Lamps, Feeding mechanism for arc. E. C. Ballman. 1,849,285; Jan. 19.
Lamps for automobiles, etc., Fender. J. P. Bell. 1,877,792; Sept. 20.
Lamps, Lens holder for projection. G. Arano. 1,876,884; Sept. 6.
Lamps, Supplemental resistance for serially mounted. A. Lamp. 1,848,455; June 14.
Land and forming borders, Apparatus for leveling. S. F. Webb. 1,843,938; Feb. 9.
Land clearing and pulverizing machine. H. Rainwater. 1,862,035; June 7.
Land leveler. W. E. Fisher. 1,864,042; June 21.
Land leveler. F. P. and R. L. Noffsinger. 1,845,324; Feb. 16.
Land leveling device. C. H. Kroyer and R. A. Farish. 1,888,925; Nov. 22.
Land leveling machine. H. C. Mignery. 1,884,078; Oct. 25.
Landing and launching device for air vehicles. O. P. Gayman. 1,892,460; Dec. 27.
Landing and taking-off mechanism. N. F. Thommes. 1,854,494; Apr. 19.
Landing carriage for high speed airplanes. G. L. R. J. Mourier. 1,861,194; Mar. 1.
Landing device for aircraft. H. Hein. 1,856,332; May 3.
Landing field light. F. R. House. 1,864,436; June 21.
Landing indicator for airports. A. M. Wilhelm. Des. 87,178; June 14.
Lands and maintaining lands in a condition suitable for cultivation or habitation, Reclaiming. W. Richmond. 1,878,299; Sept. 20.
Lantern. R. A. Currie. 1,849,136; Mar. 15.
Lantern. R. A. Currie and F. M. Thiel. 1,858,885; May 17.
Lantern. G. W. Haire. 1,886,542; Nov. 8.
Lantern. G. F. Hitchcock. Re18,704; Dec. 27.
Lantern, Electric. F. W. Noble. 1,892,075; Dec. 27.
Lantern, Electric. L. M. Willey. 1,857,993; May 10.
Lantern, Electric hand. C. H. Larson. 1,872,305; Aug. 16.
Lantern, Flash light. R. G. Williams. Des. 88,205; Nov. 1.
Lantern, Hand. J. S. Zook. Des. 87,322; July 5.
Lantern, Signal. F. A. Schuetz. 1,848,805; Mar. 8.
Lantern, Signal. J. C. Stimson. 1,874,138; Aug. 30.
Lantern, Signal. J. C. Stimson. 1,878,909; Sept. 20.
Lap. R. B. Fehr. 1,888,195–6; Nov. 15.
Lap board. C. Z. Stanley. 1,851,600; Mar. 29.
Lap roll, Pleating. A. T. Escolas. 1,849,618; Mar. 15.
Lapping device. C. F. Birgbauer. 1,865,229; June 28.
Lapping machine. A. W. Copland. 1,848,108; Mar. 8.
Lapping machine. F. O. Hoagland and A. L. Wilder. 1,855,831; Apr. 26.
Lapping machine. H. S. Indge. 1,870,328; Aug. 9.
Lapping machine. S. Player and H. S. Indge. 1,843,800; Feb. 2.
Lapping machine. O. R. Reller and C. W. Hallene. 1,886,836; Nov. 8.
Lapping machine. A. E. Robinson. 1,878,603; Sept. 20.
Lapping machine. W. D. Rundlett. 1,862,984; June 14.
Lapping machine. F. C. Sturgis. 1,886,919; Nov. 8.
Lapping mechanism. E. Blount. 1,859,729; Oct. 4.
Larynx, Artificial. G. W. Burchett. 1,867,350; July 12.
Larynx, Artificial. C. E. Lane. 1,840,112; Jan. 5.
Last. A. Hamdin. 1,876,265; Jan. 19.
Last. R. D. Poole. Re18,338; Jan. 19.
Last. I. Simon. 1,868,225; July 19.
Last. L. F. Small. 1,841,304; Jan. 12.
Last, Adjustable. C. Miller and M. Feinstein. 1,839,692; Jan. 5.
Last and stand, Iron. T. Rendle. 1,877,253; Sept. 13.
Last, Darning. A. K. Frasier. 1,890,032; Dec. 6.
Last, Hinged. H. E. Clarke. 1,864,977; June 28.
Last, Separable. G. P. S. Cross. 1,856,127; May 3.
Last, Shoe shining. H. E. Schulze. 1,859,536; May 24.
Last supporting device. W. S. Ashton. 1,855,787; Apr. 26.
Lasting and sewing machine. J. M. Whelton. 1,844,730; Feb. 9.
Lasting machine. C. M. Bagshaw. 1,840,381; Jan. 12.
Lasting machine. C. M. Bagshaw. 1,884,508; Oct 25.
Lasting machine. B. Jorgensen. 1,843,252; Feb. 2.
Lasting machine. R. H. Lawson. 1,884,204; Apr. 19.
Lasting machine. T. H. Seely. 1,880,212; Oct. 4.
Lasting machine. T. H. Seely. 1,839,269; Jan. 5.
Lasting machine. C. B. Spalsbury and P. Mattler. 1,839,445; Jan. 5.
Lasting machine. C. B. Spalsbury and P. Mattler. 1,839,446; Jan. 5.
Lasting machine. R. B. Woodcock and H. Lane. 1,886,279; Nov. 1.
Last-pulling machine. G. A. Miner. 1,882,083; Oct. 11.
Latch. T. P. Archer and A. J. Flynn. 1,861,291; May 31.
Latch. C. C. Batina. 1,864,177; June 21.
Latch. W. E. Cheney. 1,879,792; Sept. 27.
Latch. E. J. Cook. 1,866,011; July 5.
Latch. N. Dickey. 1,846,318; Feb. 23.
Latch. G. B. Dorey. 1,853,851; Apr. 12.
Latch. H. Dubinsky, I. Goldenberg, and M. Schachter. Des. 87,873; Oct. 4.
Latch. A. Ekman. 1,873,560; Aug. 23.
Latch. A. F. Lickteig. 1,868,984; July 26.
Latch. R. G. Moore. 1,888,047; Nov. 15.
Latch. R. G. Moore. 1,888,238; Nov. 22.
Latch. R. G. Moore. 1,888,828; Nov. 22.
Latch. G. E. Roedding. Des. 80,297; Feb. 16.
Latch. G. E. Roedding. 1,839,265; Jan 5.
Latch. G. E. Roedding. 1,863,536; June 14.
Latch and actuating mechanism for operating closures, Combined. S. Schauer. 1,871,744; Aug. 16.
Latch and handle, Electric switch box. H. J. Hammerly. 1,885,713; Nov. 1.
Latch and kick-out assembly, Combined door. D. Miller. 1,865,551; July 5.
Latch and opener, Automobile door. R. W. Rider. 1,846,755; Feb. 23.
Latch and support, Combined coffin. G. A. Blue. 1,854,576; Apr. 19.
Latch assembly for refrigerator doors. A. N. Hornung. 1,880,251; Oct. 4.
Latch, Automatic. J. D. Stassart. 1,861,887; June 7.
Latch, Automobile door. R. G. Moore. 1,843,568; Feb. 2.
Latch, Bag frame. H. Tueckmantel. 1,841,508; Jan. 19.
Latch bolt. J. L. Scrivener. 1,840,416; Jan. 12.
Latch bolt operating means. F. K. Solliday. 1,862,716; June 14.
Latch, Burial vault. E. W. Phillippe. 1,884,201; Oct. 25.
Latch, Closure. N. A. Mears. 1,886,827–9; Nov. 8.
Latch device. H. Elliott. 1,854,123; Apr 12.
Latch device for hand bags. E. Poeter. 1,859,789; May 24.
Latch, Door. W. C. Devereaux. 1,843,015; Jan. 26.
Latch, Door. R. S. Reynolds. 1,876,265; Sept. 13.
Latch, Door. J. B. Flynn. 1,857,684; May 10.
Latch, Door. D. Gould. 1,865,391; June 28.
Latch, Door. J. C. Griffin. 1,868,471; July 19.
Latch, Door. F. D. Grund. 1,852,040; Apr. 5.
Latch, Door. F. D. Grund. 1,864,533; June 28.
Latch, Door. A. R. Lindsay. 1,842,182; Jan. 19.
Latch, Door. S. Madsen. 1,882,248; Oct. 11.
Latch, Door. M. W. Meosta. 1,857,513; May 10.
Latch, Door. H. E. Muchnic. 1,886,418; Nov. 8.
Latch, Door. H. W. Rightmyer. 1,871,265; Aug. 9.
Latch, Door. W. R. Schlage. 1,845,197; Feb. 16.
Latch, Door. W. R. Schlage. 1,846,364; Feb. 23.
Latch, Door. W. R. Schlage. 1,876,079–81; Sept. 6.
Latch, Door. P. W. Sullivan. 1,855,697; Apr. 26.
Latch, Door. W. H. Taylor. 1,860,910; May 31.
Latch, Door. H. M. Whitcomb. 1,881,322; May 31.
Latch, Door. E. L. Wilson. 1,858,608; May 17.
Latch, Door. D. W. Wood. 1,880,636; Oct. 4.
Latch, Door. D. W. Wood. 1,880,637; Oct. 4.
Latch, Drawer. A. E. Fohn. 1,845,704; Feb. 16.
Latch, Elevator. N. K. Smith. 1,871,825; Aug. 16.
Latch for a molder's flask. J. Svoboda, jr. 1,846,769; Feb. 23.
Latch for auto hoods, Inner. E. R. Marbach. 1,863,863; June 21.
Latch for baling press doors. M. F. Berg. 1,856,531; May 3.
Latch for cotton feeder chutes. J. J. Wallace. 1,881,003; Oct. 4.
Latch for doors or other closures. W. D. Ferris. Des. 87,831; Sept. 27.
Latch for dumb waiter doors. D. D. Levy. 1,859,780; May 24.
Latch for duplex waffle irons. B. A. Benson. 1,873,104; Aug. 23.
Latch for motor vehicles, Door. D. Wilson. 1,873,803; Aug. 23.
Latch for railroad switches. B. R. Barber. 1,877,788; Sept. 20.
Latch for revolubile table tops. W. E. Larson. 1,844,664; Feb. 9.
Latch for windows, Safety. A. E. Huss. 1,857,958; May 10.
Latch, Furniture. L. Defoy. 1,885,186; Nov. 1.
Latch, Gate and door. J. E. Edgin. 1,892,613; Dec. 27.
Latch, Hood. L. Blackmore. 1,874,230; Aug. 30.
Latch, Hood. E. L. Crum. 1,856,540; May 3.
Latch, Hood. T. I. Duffy. 1,888,819; Nov. 22.
Latch, Hood. H. B. Haskins and H. E. Van Voorhees. 1,874,289; Aug. 30.

Latch, Hood. D. P. Hynes. 1,863,340; June 14.
Latch, Hood. N. A. Mears. 1,842,557; Jan. 26.
Latch, Hood. N. A. Mears. 1,852,995; Apr. 5.
Latch, Hood. N. A. Mears and D. P. Hynes. 1,845,170; Feb. 16.
Latch, Hood. N. A. Mears and D. P. Hynes. 1,852,056; Apr. 5.
Latch, Hood. N. A. Mears and D. P. Hynes. 1,865,778; July 5.
Latch hook welt bar and latch opening means therefor. H. F. Paget. 1,850,472; Mar. 22.
Latch, Jar, squeeze stripper. E. F. Oyster. 1,884,172; Oct. 25.
Latch lubricator. J. R. Dooty. 1,892,043; Dec. 27.
Latch lock. W. D. Ferris. 1,873,565; Aug. 23.
Latch lock. G. H. Reimer. 1,866,578; July 12.
Latch, Locker. S. N. Hope. 1,864,306; June 21.
Latch locking device. W. J. Kerwin. 1,864,358; June 21.
Latch, Locking refrigerator. A. Ekman. 1,880,929; Oct. 4.
Latch mechanism. J. E. Carr. 1,892,446; Dec. 27.
Latch mechanism. J. B. Howe. 1,859,444; May 24.
Latch mechanism. J. P. McKinney, jr. 1,865,128; June 28.
Latch mechanism, Door. W. C. Devereaux. 1,883,610; Oct. 18.
Latch mechanism, Door. G. R. Feuerlein. 1,881,427; Oct. 11.
Latch mechanism, Door. C. B. Lowe. 1,853,311; Apr. 12.
Latch mechanism for cabinet doors. J. G. Jackson. 1,853,428; Apr. 12.
Latch mechanism, Gear shift. R. L. Mapson. 1,881,790; Oct. 11.
Latch-mine skip, Safety. R. J. Williams. 1,842,854; Jan. 26.
Latch, Motor vehicle. M. Tibbetts. 1,880,583; Oct. 4.
Latch operating device for power shovels. R. G. Frye. 1,891,529; Dec. 20.
Latch or lock bolt. C. L. and H. E. Frost. 1,872,440; Aug. 16.
Latch or lock, Door. H. D. Schroeder and F. H. Koch. 1,858,525; May 17.
Latch or similar article. A. S. Katz. Des. 86,377; Mar. 1.
Latch or similar article. W. Tamaroff. Des. 86,866; Apr. 26.
Latch, Pawl safety. G. E. Knepper. 1,847,516; Mar. 1.
Latch pivots, Making. H. W. Kranz. 1,881,689; Oct. 11.
Latch pivots. Mechanism for forming. H. W. Kranz. 1,866,391; July 5.
Latch, Port hole closure. D. G. Earl. 1,857,184; May 10.
Latch, Refrigerator. A. Ekman. 1,880,928; Oct. 4.
Latch, Refrigerator door. W. M. Hersch and C. J. Anderson. 1,840,163; Jan. 5.
Latch, Right and left hand. F. K. Solliday and C. De Ridder. 1,862,715; June 14.
Latch, Sash. B. F. Kelly. 1,862,056; June 7.
Latch, Spring bolt. H. Ter Meer. 1,871,633; Aug. 16.
Latch, Spring bolt. H. Ter Meer. 1,883,099; Oct. 18.
Latch, Stove. H. C. Howard. 1,858,088; May 10.
Latch, Subtraction key. O. Sundstrand. 1,859,897; May 24.
Latch, Switch. W. F. Oberhuber. 1,842,562; Jan. 26.
Latch unit. W. E. Wread. Re18,399; Mar. 29.
Latch, Vehicle door. B. E. Taylor. 1,840,062; Jan. 5.
Latch, Vehicle door control mechanism for door. W. C. Devereaux. 1,880,876; Oct. 4.
Latching and locking device for doors, Combined. J. F. Boone. 1,855,089; Apr. 19.
Latching device. G. H. Edwards. 1,891,224; Dec. 20.
Lateral motion device. R. W. Clifford. 1,874,449; Aug. 30.
Latex, Preservation of. J. McGavack. 1,872,161; Aug. 16.
Latex, Producing concentrated and purified rubber. G. J. Strezynski and N. A. Fraser. 1,885,154; Nov. 1.
Latex, Treating. H. C. Howard. 1,850,673; Mar. 22.
Latex, Treatment of. A. A. Nikitin. 1,890,977; Oct. 4.
Lath bundling apparatus. D. C. Jeffrey and H. J. Marsham. 1,875,610; Sept. 6.
Lath construction, Metallic. G. G. Greulich. 1,885,343; Nov. 1.
Lath expander, Metal. H. K. Baker. 1,856,686; May 3.
Lath for brick veneers, Metal. F. Fyron. 1,861,359; May 31.
Lath, Making ribbed. G. A. Buttress. 1,844,144; Feb. 9.
Lath, Metal. A. G. Siebenlist. 1,840,537; Jan. 12.
Lath panels, Mechanism for forming. G. A. Buttress. 1,867,727; July 19.
Lath, Paper. W. D. Jarvis. 1,872,957; Aug. 23.
Lath, Paper. H. E. Marks. 1,870,461; Aug. 9.
Lath, Reenforced metal. W. J. Purser. 1,859,409; May 24.
Lath, Reenforced metal. W. J. Purser. 1,877,964; Sept. 20.
Lath, Ribbed. J. W. Pearce. 1,891,240; Dec. 20.
Lath structure. J. Kahn and H. E. White. 1,846,874; Feb. 23.
Lath structure. J. Kahn and H. E. White. 1,850,506; Mar. 22.
Lathing, Expanding metal. H. K. Baker. 1,890,141; Dec. 6.
Lathing, Sheet. E. G. Shedrick. 1,848,503; Mar. 8.
Laths, Forming facing sheets for fabricated. G. A. Buttress. 1,859,354; May 24.
Laths, Forming metal. M. Kaminetzky. 1,862,221; June 7.
Lathe. C. B. Cottrell. 1,888,792; Nov. 22.
Lathe. A. N. Emmons. 1,880,939; Oct. 4.
Lathe. R. C. Moore. 1,860,684; May 31.
Lathe. G. D. Sundstrand. 1,883,082; Oct. 18.
Lathe. K. Tessky. 1,858,754; May 17.
Lathe attachment. W. M. Elkins. 1,863,007; June 14.
Lathe, Automatic. W. A. Bohne. 1,852,015; Apr. 5.
Lathe, Automatic. W. F. Greene. 1,878,495; Sept. 20.
Lathe, Automatic. L. C. Shippy and A. W. Phelps. 1,851,157; Apr. 23.
Lathe, Automatic. E. R. Smith and A. Schinkez. 1,841,988; Jan. 19.
Lathe, Automatic metal turning. W. W. Potter. 1,881,923; Oct. 11.
Lathe, Button blank. H. H. Knott. 1,843,326; Feb. 2.
Lathe, Cam shaft. W. F. Greene. 1,879,201; Sept. 27.
Lathe center. R. H. Forney. 1,878,690; Sept. 20.
Lathe chuck. E. J. Preston, W. C. Fletcher, and A. W. Reynolds, jr. 1,851,493; Mar. 29.
Lathe, Copying. G. F. Ryan. 1,858,462; May 17.
Lathe, Crank shaft. W. F. Greene. 1,878,131; Sept. 20.
Lathe, Crankshaft. W. F. Greene. 1,880,434; Oct. 4.
Lathe, Crank turning. M. L. Crandall. 1,847,753; Mar. 1.
Lathe, Double center drive crank-shaft. W. F. Groene. 1,843,359; Feb. 2.
Lathe, Electric dental. J. L. Grimme. 1,856,869; May 3.
Lathe, File cutting. T. A. Schad. 1,859,006; May 17.
Lathe having double end drive. S. J. E. Lovely. 1,881,762; Oct. 11.
Lathe, Machine. A. Trosch. 1,873,678; Aug. 23.
Lathe, Multiple-spindle automatic. W. Berg. 1,880,681; Oct. 4.
Lathe, Pattern. J. M. Christman. 1,847,171; Mar. 1.
Lathe, Pattern turning. C. MacLeod. 1,876,992; Sept. 13.
Lathe turning and boring attachment. P. Vetter. 1,849,512; Mar. 15.
Lathe, Veneer. R. C. Moore. 1,877,013; Sept. 13.
Lathe with central drive. J. E. Lovely. 1,877,922; Sept. 20.
Lathe, Wood turning. R. E. Shawver. 1,859,474; May 24.
Lather forming means. R. H. Wager. 1,889,164; Nov. 29.
Lather generating device. J. Lach. 1,888,768; Nov. 22.
Lathering device. E. L. Connelly. 1,885,416; Nov. 1.
Lathes and other machine tools with drive by hydraulic stepless gearings, Arrangement on. M. Ritter. 1,859,715; May 24.
Lathes and the like, Hydraulic feed for. W. Ferris. 1,874,266; Aug. 30.
Lathes, Controlling means for automatic. F. Mulka. 1,853,074; Apr. 12.
Lathes, Cutting indexation attachment for. C. C. Wieser. 1,855,700; Apr. 26.
Lathes, grinders and the like, Live center for. A. Storm and T. Thorsen. 1,883,075; Oct. 18.
Lathes, Screw-cutting appliance for. K. Tessky. 1,844,191; Feb. 9.
Lattice construction for outdoor advertising structures. G. D. Overholtz. 1,853,144; Apr. 12.
Launching apparatus. J. D. Reardan. 1,851,129; Mar. 29.
Launching device. W. Barnett. 1,840,804; Jan. 12.
Launching device for life preservers. E. R. F. Johnson. 1,881,634; Oct. 11.
Launching means. A. C. Peterson. 1,869,212; July 26.
Launching machine. C. Hunt. 1,887,056; Nov. 8.
Laundering machine. F. M. King. 1,864,738; June 28.
Laundry apparatus. O. Butcher. 1,872,401; Aug. 16.
Laundry apparatus. J. Consorti. 1,890,455; Dec. 13.
Laundry appliance. J. G. Fehn. 1,862,618; June 14.
Laundry appliance with rotatable tubs. J. G. Fehn. 1,864,993; June 28.
Laundry articles, Apparatus for classifying. C. E. Constable. 1,846,313; Feb. 23.
Laundry assorting apparatus. J. H. Lynch. 1,859,307; May 24.
Laundry bag, Safety. J. C. Fischer. 1,845,869; Feb. 16.
Laundry breaking table. F. A. C. Krueger. 1,887,648; Nov. 15.
Laundry, Device for sorting. W. E. Davis. 1,844,544; Feb. 9.
Laundry flat piece spreader. L. R. Sager. 1,891,782; Dec. 20.
Laundry hanger drier. W. Coutts. 1,869,238; July 26.
Laundry identification. R. O. Kennedy. 1,849,039; Mar. 8.
Laundry identification apparatus. M. F. Huebsch. 1,882,015; Oct. 11.
Laundry iron. A. H. Prenzel. 1,859,167; May 17.
Laundry iron, Electric roll. S. Baracate. 1,850,910; Mar. 22.

Laundry ironing and like machines. F. Dewhurst. 1,851,815; Mar. 29.
Laundry list printer and counter. H. Hirsch. 1,875,870; Sept. 6.
Laundry machine. O. H. Hullings. 1,882,284; Oct. 11.
Laundry machine. G. R. Keltie. 1,854,745; Apr. 19.
Laundry machine. J. B. Kirby. 1,842,030; Jan. 19.
Laundry machine. J. B. Kirby. 1,886,888; Nov. 8.
Laundry machine. J. N. Vermilya. 1,842,777; Jan. 26.
Laundry machine. I. H. Wilsey. 1,846,664; Feb. 23.
Laundry machine, Power operated. J. T. Hume. 1,850,396; Mar. 22.
Laundry, Method and apparatus for ironing or pressing. M. F. Huebsch. 1,840,956; Jan. 12.
Laundry press. W. Jack. 1,892,510; Dec. 27.
Lavatory, Pedestal. H. V. Kohler and F. G. Brotz. Des. 88,713; Dec. 20.
Laundry press. F. W. Lindemann. 1,839,687; Jan. 5.
Laundry scouring composition and method. R. A. Phair. 1,849,525; Mar. 15.
Laundry system. E. J. Carroll. 1,871,663; Aug. 16.
Laundry washer, Continuous. E. Knutsen. 1,845,422; Feb. 16.
Laundry washer, One belt. I. S. Shockley. 1,855,995; Apr. 26.
Lavatory. G. W. Mjaaland and L. M. Graves. 1,855,864; Apr. 26.
Lavatory. E. L. Norberg. 1,868,760; July 26.
Lavatory. R. R. Porter. 1,841,053; Jan. 12.
Lavatory and bubbling fountain unit. L. C. Smith. 1,854,337; Apr. 19.
Lavatory fixture. M. Callejo. 1,855,008; Apr. 19.
Lavatory, Shelf Back. G. Brain. Des. 88,748; Dec. 27.
Lavatory spout. W. F. Ferguson. Des. 87,629; Sept. 27.
Lawn and garden implement. O. R. Bristow and S. D. Bundy. 1,870,891; Aug. 9.
Lawn chair. C. Ernst. 1,869,646; Nov. 29.
Lawn chair. A. O. Wilkening. Des. 85,003; Jan. 12.
Lawn edge trimmer. L. A. Olsen and S. J. Roach. 1,883,817; Oct. 18.
Lawn edge trimmer. E. H. Wolf. 1,861,104; May 31.
Lawn edge trimming machine. J. C. Rowe. 1,866,225; July 5.
Lawn edger. C. Stultz. 1,844,190; Feb. 9.
Lawn mower bandle, Adjustable. F. J. Kelly. 1,850,326; Mar. 22.
Lawn mower reel. C. R. Van Arsdall. 1,860,002; May 24.
Lawn rake. J. Anderson. 1,869,647; Aug. 2.
Lawn rake. G. Rapsch. 1,858,461; May 17.
Lawn sprinkler. A. Coviello. 1,867,878; July 19.
Lawn sprinkler. M. W. McArdle. Des. 87,670; Aug. 30.
Lawn sprinkler. J. F. Moran. 1,873,622; Aug. 23.
Lawn sprinkler. R. H. and R. E. Sherbondy. Des. 87,648; Aug. 23.
Lawn trimmer. L. Smith. 1,891,066; Dec. 13.
Lawn trimming device. L. Gast. 1,890,811; Dec. 13.
Laxative, Mechanical. W. T. Jones. 1,847,247; Mar. 1.
Lead acetate, Flaked. R. E. Lawrence. 1,842,908; Jan. 26.
Lead alloy. G. M. Bouton. 1,880,746; Oct. 4.
Lead alloy. H. Harris. 1,860,095; May 24.
Lead alloys, Inhibiting the oxidation and hydration of. E. W. Kolding. 1,854,640; Oct. 25.
Lead and composition containing the same, Stabilization of tetra alkyl. W. S. Calcott and A. E. Parmelee. 1,854,342; Feb. 9.
Lead and zinc alloys, Manufacture of. J. O. Betterton. 1,860,524; May 31.
Lead, Apparatus for dezincing. J. Betterton. 1,884,533; Oct. 25.
Lead—basic lead carbonate—from lead oxide, Production of colloidal white. H. Stelzer. 1,886,915; Nov. 8.
Lead bullion and similar operations, Apparatus for use in the refining of. G. K. Williams. 1,856,678; May 3.
Lead, Debismuthizing. J. O. Betterton. 1,853,540; Apr. 12.
Lead from ferrous articles, Removing. C. L. Mantell. 1,886,411; Nov. 8.
Lead from solutions, Separation of. S. I. Levy. 1,850,757; Mar. 22.
Lead pan. F. A. Fahrenwald. 1,872,712; Aug. 23.
Lead press. E. Bertolio. 1,885,045; Oct. 25.
Lead pressing. C. E. Bennett. 1,879,867; Sept. 27.
Lead, Producing white. G. E. Johnson, R. G. Bowman, and W. J. Knox, jr. 1,845,713; Feb. 16.
Lead, Reclaiming. R. C. Brett and J. E. Doyle. 1,886,938; Nov. 8.
Lead refining. M. G. Corson. 1,876,617; Sept. 13.
Lead, Refining. W. F. Gross and C. N. Sappington. 1,891,978; Dec. 27.
Lead refining apparatus. A. E. Hall. 1,840,946; Jan. 12.
Lead sheathing of conductor cables, Perforating the. A. Z. Sanning and E. J. Hobert. 1,851,787; Oct. 11.
Lead sludge, Treatment of. P. W. Merchant. 1,875,088; Aug. 30.
Lead tin alloys, Recovering. E. F. Kern. 1,842,028; Jan. 19.
Leaf flipper. J. L. McMillan. 1,884,059; Oct. 25.
Leaf hinge clip. J. S. Popper. 1,886,303; Nov. 1.
Leaf spring. E. Bagnall. 1,863,094; June 14.
Leaf spring, Multiple. J. W. Watson. 1,874,724; Aug. 30.
Leaf stemmer. J. Gough. 1,842,868; Jan. 26.

Leaf stemming machine. R. E. Rundell and G. E. Hagquist. 1,864,765; June 28.
Leaf turner and bookmark, Combined. G. S. Gifford. 1,844,507; Feb. 9.
Leaf turner, Music. G. Carregari. 1,858,187; May 10.
Leaf turner, Music. E. M. Fritz. 1,846,097; Feb. 23.
Leak compound, Repair. N. Sommers and A. P. Karr 1,891,506; Dec. 20.
Leak device, Slow. L. A. Grimes. 1,883,720; Oct. 18.
Leak for liquids, Providing a. I. Lubbock and J. R. Joyce. 1,891,313; Dec. 20.
Leak preventing device. J. W. Tatter. 1,884,374; Oct. 25.
Leak stop. C. Boyce. 1,865,670; July 5.
Leaks in reservoirs, Locating. L. B. Silchter. 1,886,914; Nov. 8.
Leaks, Method and apparatus for sealing. E. F. Heard. 1,876,415; Sept. 6.
Leaning wheel. E. C. Giedhill. 1,839,755; Jan. 5.
Lease forming apparatus for warp handling machine. D. A. Day. 1,878,268; Sept. 20.
Leather and composition for treating same, Waterproofed C. E. Bradley and C. D. Mason. 1,860,651; May 31.
Leather and making the same. A. C. Orthmann. 1,865,783; July 5.
Leather and manufacturing the same, Artificial. G. A. Richter. 1,891,027; Dec. 13.
Leather, Apparatus for pressing. C. G. Shaw. 1,858,192; May 10.
Leather article and making the same. A. K. George. 1,871,785; Aug. 16.
Leatherboard, Treating. W. P. Rankin. 1,844,366; Feb. 9.
Leather, Cold dressing and drying of. E. Luckhaus. 1,881,763; Oct. 11.
Leather, Decorating. A. Schubert. 1,843,738; Feb. 2.
Leather dressing. J. W. M. Skinner. 1,847,629; Mar 1.
Leather, Dyeing of chamois. H. Brunner. 1,841,007; Jan. 12.
Leather fabrication, Artificial. G. A. Richter and W. B. Van Arsdel. 1,843,372; Feb. 2.
Leather fabrication, Artificial. W. B. Van Arsdel. 1,843,349; Feb. 2.
Leather finish, Enamel imitation. D. M. Phillippi. 1,878,316; Sept. 20.
Leather finishing machine. P. G. Aulson. 1,847,745; Mar. 1.
Leather for weaving, Preparing. P. Mattler. 1,859,570; May 24.
Leather grading machine. D. Parks. 1,875,884; Sept. 6.
Leather, Imitation. F. C. Close. 1,846,630; Feb. 23.
Leather imitation, particularly an imitation of the so-called antique leather, Producing. H. Bell. 1,853,859; May 17.
Leather, Impregnating. H. Burger. 1,885,179; Nov. 1.
Leather, Making. W. Myra. 1,859,417; May 24.
Leather, Making artificial. R. K. Abbott. 1,844,835; Feb. 9.
Leather, Making imitation reptile. H. V. Langmaid. 1,853,364; Apr. 12.
Leather manufacture, Artificial. R. B. Hill. 1,870,567; Aug. 9.
Leather, Manufacture of. C. G. Shaw. 1,858,193; May 10.
Leather measuring gauge. T. C. Wetmore. 1,874,677; Aug. 30.
Leather, Method of and apparatus for stretching. G. M. Argabrite. 1,877,787; Sept. 20.
Leather, more particularly for the manufacture of boots and shoes, Binding together two or more layers of. M. Grune. 1,891,412; Dec. 20.
Leather shaving machine. F. Wayland. 1,863,777; June 21.
Leather shaving machine. F. Wayland. 1,887,570; Nov. 15.
Leather shaving machine. F. Wayland. 1,889,028; Nov. 29.
Leather sheetings and product of same, Treatment of artificial. R. B. Hill and J. A. Fogarty. 1,862,749; June 14.
Leather stretching machine. G. A. Schettler. 1,851,020; Mar. 29.
Leather substitute base sheet material therefor and making the same. J. J. Clifford. 1,863,456; June 14.
Leather, Treating. O. A. Blatz. 1,877,119; Sept. 13.
Leather working machine. G. A. Schettler. 1,860,625; May 31.
Leather working machinery. F. S. Jones. 1,860,713; May 31.
Leathers, Marking. A. Schubert. 1,843,739; Feb. 2.
Leavening. E. O. Wig. 1,856,938; May 3.
Lebeck, Oscar, New York, N. Y. Children's chair or similar article. Des. 87,965; Oct. 18.
Lecithin, Treatment of vegetable. A. Schwieger. 1,892,331; Dec. 27.
Lecture and classroom chair, Adjustable. A. R. Van Nuys. 1,876,802; Sept. 13.
Ledger, Air-way cleaner supporting. D. B. Replogle. 1,884,868; Oct. 25.
Ledger account and statement file, Continuous. R. C. Roath. 1,884,249; Oct. 25.
Ledger clamp. T. B. Kingston. 1,890,386; Dec. 6.
Leer. W. A. Morton and E. W. Paxton. 1,880,268; Oct. 4.
Leer. V. Mulholland. 1,859,931; May 24.
Leer, Annealing. J. Sylvester. 1,856,668; May 3.

Leer distributor. J. Mayo. 1,839,327; Jan. 5.
Leer feeder. A. N. Cramer. 1,852,556; Apr. 5.
Leer feeder, Automatic rotary. I. H. Freese. 1,883,362; Oct. 18.
Leer, Glass annealing. E. B. LeMare. 1,877,674; Sept. 13.
Leer, Glass annealing. H. D. Paxton. 1,853,878; Apr. 12.
Leer, Glassware annealing. A. N. Cramer. 1,854,452; Apr. 19.
Leer loader. C. H. Hardman. 1,870,506; Aug. 9.
Leer loader. C. H. Hardman. 1,883,369; Oct. 18.
Leer loader. W. L. McNamara. 1,842,912; Jan. 26.
Leer roller, Insulated. E. W. Paxton and A. W. Schmid. 1,855,879; Apr. 12.
Leer stacker. C. I. Hall. 1,853,417; Apr. 12.
Leer stacker. E. H. Lorenz. 1,857,967; May 10.
Leer stacker. C. Nagle and R. W. Niver. 1,869,767; Aug. 2.
Leers, Method and apparatus for controlling muffle. A. W. Russell. 1,841,060; Jan. 12.
Leg, Bathtub adjustable. L. A. Rockelein. 1,852,901; Apr. 5.
Leg brace. F. A. Dresser. 1,847,823; Mar. 1.
Leg brace. F. A. Dresser. 1,851,241; Mar. 29.
Leg construction. W. N. Vance. 1,58,381; May 17.
Leg construction for derricks, Double. L. A. Rawson. 1,871,131; Aug. 9.
Leg construction for derricks with equalizing means, Double. L. A. Rawson. 1,871,130; Aug. 9.
Leg, Detachable. J. J. Goetz. 1,851,491; Oct. 11.
Leg, Folding furniture. W. M. Boenning. 1,876,446; Sept. 6.
Leg for card tables and the like, Folding. F. Kusterle. 1,851,010; Sept. 6.
Leg for furniture, Extensible. F. Kusterle. 1,860,103; May 24.
Leg for tables and the like, Folding. F. B. Harman. 1,855,857; Apr. 26.
Leg rest. J. O. Querna. 1,845,338; Feb. 16.
Leg rest. J. C. Turrall. 1,848,823; Jan. 12.
Leg structure for tables, Collapsible. D. A. Calrney. 1,854,248; Apr. 19.
Legged structure. C. J. Symmonds. 1,883,083; Oct. 18.
Legging. A. Janalik. 1,869,103; July 26.
Legging. K. E. Jensen. 1,846,642; Feb. 23.
Legs, Attachment for artificial. J. A. Swain. 1,858,974; May 17.
Legume food products, Manufacture of precooked. A. L. Chuinard. 1,851,271; Mar. 29.
Lenco thioindigo acyl derivatives, Manufacture of. R. Stocker and J. Müller. 1,880,986; Oct. 4.
Lens. W. F. Hancock. 1,876,497; Sept. 6.
Lens. H. W. Hill. 1,865,691; July 5.
Lens. J. R. Silverman. 1,879,769; Sept. 27.
Lens. N. M. Stanley. 1,845,940; Feb. 16.
Lens adjusting, shifting, and indicating mechanism. A. Kindelmann and E. Boecking. 1,883,943; Oct. 25.
Lens and applying the same, Photographic. A. Bjorn. 1,840,931; Jan. 12.
Lens apparatus, Pendulum controlled. S. A. Eskilson. 1,883,655; Oct. 18.
Lens, Automobile headlight. G. H. Nystrom. 1,842,878; Jan. 26.
Lens bracket. W. S. Hancock. 1,845,597; Feb. 16.
Lens blocking device. J. J. McCabe. Re18,569; Aug. 16.
Lens disk, Spiral mounted. C. F. Jenkins. Re18,452; May 3.
Lens for eyeglasses and making same. B. F. Albitz. 1,891,036; Dec. 13.
Lens for light signals. J. S. Hobson. 1,840,098; Jan. 5.
Lens for line casting machines. G. A. Bradford. 1,853,988; Dec. 13.
Lens for motor vehicle headlamps. F. C. McElroy. 1,856,842; May 3.
Lens, Headlamp. E. N. Falge. 1,862,078; June 7.
Lens, Headlight. V. L. Dickson. 1,874,086; Aug. 30.
Lens-holder for spectacle and eyeglass frames. C. G. Swart. 1,884,371; Oct. 25.
Lens, Locating prescriptive characteristics of a. C. C. Allen. 1,873,249; Aug. 23.
Lens, Making multifocal. L. W. Bugbee, jr. 1,843,758; Feb. 2.
Lens-mount. W. R. Uhlemann. 1,877,089; Sept. 13.
Lens, Multifocal. L. W. Bugbee, jr. 1,869,461; Aug. 2.
Lens, Nonglare headlight. W. O'Neil. 1,861,590; June 7.
Lens, Ophthalmic. A. E. Glancy. 1,879,800; Sept. 27.
Lens, Ophthalmic. E. D. Tillyer. 1,880,029; Sept. 27.
Lens, Optical. C. T. Pankhurst. 1,886,724; Nov. 8.
Lens, Sighting device. A. Kindelmann. 1,884,731; Oct. 25.
Lens shifting device. A. Kindelmann and E. Boecking. 1,884,733; Oct. 25.
Lens strap. F. A. Stevens. Des. 87,366; July 12.
Lens strap. F. A. Stevens. Des. 87,368–9; July 12.
Lens structure. A. S. Howell. 1,848,253; Mar. 8.
Lens system, Condensing. W. B. Rayton. 1,853,778; Apr. 12.
Lens system, Objective. W. F. Bielicke. 1,888,156; Nov. 15.
Lens testing device. C. C. Allen. 1,873,526; Aug. 23.
Lens tube adjusting appliance. R. V. Terry. 1,863,884; June 14.
Lens, Visual. A. E. Jones. 1,878,708; Sept. 20.
Lens with high aperture, Spherically, chromatically, and astigmatically corrected wide-angle. A. W. Tronnier. 1,882,530; Oct. 11.
Lenses, Apparatus for fusing multifocal. W. Bausch and J. R. Powell. 1,889,769; Dec. 6.
Lenses in cinematograph apparatus or of other objects, Manufacture of means for producing a straight line motion of. W. E. John. 1,858,670; May 17.
Lenses, Manufacture of fused bifocal. E. Culver and A. H. Emerson. 1,886,649; Nov. 8.
Lenses, Manufacturing bifocal. F. B. Watson and E. Culver. 1,868,863; July 26.
Lenses, Mechanically grinding concave. F. W. Gebrke. 1,879,179; Sept. 27.
Lenses, Method and apparatus for focusing. J. Mihalyi. 1,866,718; July 12.
Lenses to cameras, Attaching. A. N. Merle. 1,887,103; Nov. 8.
Lensic screen. V. C. Ernst. 1,888,872; Nov. 15.
Lethal apparatus. M. McCurrie. 1,849,194; Mar. 15.
Letter, Sales or advertising. E. J. Hoffmann. 1,870,909; Aug. 9.
Letters and the like, Apparatus for printing circular. C. B. Yoder, J. J. Gahn, and C. B. Wilkes, jr. 1,870,394; Aug. 9.
Letters of initial rings or the like, Attaching means for interchangeable. C. Birnbaum. 1,877,150; Sept. 13.
Letters, Preparing circular. O. B. Bergersen. 1,845,120; Feb. 16.
Letters rendered inaccessible without envelopes, Folding, closing, and opening. M. Voglmayer, 1,855,656; Apr. 26.
Leuco-indigo preparations, Production and manufacture of stable. A. Davidson, A. J. Hailwood, F. Henesey, and A. Shepherdson. 1,861,382; May 31.
Leucindophenols of the carbazole type. F. Muth. 1,885,037; Oct. 25.
Leuco-1,4-dihydroxy-anthraquinones, Preparing. J. Ogilvie and D. G. Rogers. 1,872,492; Aug. 16.
Level. N. R. Budge. 1,855,664; Apr. 26.
Level. W. Chalupny. 1,848,003; Mar. 1.
Level. G. J. Gordon. 1,877,455; Sept. 13.
Level. C. A. Lepper. 1,868,361; July 19.
Level. E. A. Morrison. 1,844,590; Feb. 9.
Level and indicator, Combined spirit. R. S. Robertson. 1,855,651; Apr. 26.
Level and plumb, Combined. A. F. Corrington. 1,833,586; Oct. 18.
Level and plumb indicator. H. P. Swain. 1,879,587; Sept. 27.
Level and transit, Combined. G. Kegelman. 1,864,832; June 28.
Level, Brick mason's. J. K. Hill. 1,855,394; Apr. 26.
Level gauge indicating at a distance the level of a liquid contained in a tank. G. J. McCarthy. 1,891,810; Dec. 20.
Level in a battery, Device for automatically maintaining electrolyte. H. B. Herdeg. 1,882,361; Oct. 11.
Level indicator. M. W. McLaren. 1,847,444; Mar. 1.
Level, Liquid. G. B. Gallasch. 1,885,428; Nov. 1.
Level regulator, Liquid. P. E. Chapman. 1,839,865; Jan. 5.
Level transit, Combination. C. O. Rothweiler. 1,882,523; Oct. 11.
Level, Universal. J. M. G. Fullman. 1,853,558; Apr. 12.
Level, Universal plumb. S. Kupferman. 1,845,801; Feb. 16.
Level variation indicating apparatus. W. Meredith. 1,892,110; Dec. 27.
Leveler. C. W. Tharp. 1,868,122–3; July 19.
Leveler and planter, Adjustable land. H. Reifschneider. 1,851,064; Mar. 29.
Leveler and pulverizer. R. E. Swanfelt. 1,854,431; Apr. 19.
Leveler and ridger, Combined. C. Skogsberg. 1,845,851; Feb. 16.
Leveling and plumbing device, Bricklayer's. G. Cornuelle. 1,875,448; Sept. 20.
Leveling device. L. T. Camacho. 1,862,841; June 14.
Leveling device. E. B. Morgan. 1,875,642; Sept. 6.
Leveling mechanism. G. A. N. Becker. 1,840,828; Jan. 12.
Leveling device for hoppers, etc. B. Noble. 1,864,851; June 28.
Leveling device for mill rolls. A. Perrett. 1,840,171; Jan. 5.
Leveling device for pool and billiard tables. F. W. Young. 1,860,215; May 24.
Leveling instrument. H. W. Hilton. 1,844,762; Feb. 9.
Leveling mechanism. G. M. Barnes. 1,851,148; Mar. 29.
Leveling mechanism for fire ladders. C. Boheln, jr. 1,886,783; Nov. 8.
Lever. W. J. Andrea. 1,872,870; Aug. 23.
Lever. H. J. Neufang. 1,861,507; June 7.
Lever arms, Adjusting means for. L. C. Huck. 1,869,562; Aug. 2.
Lever, Change speed. A. Moorhouse. 1,852,979; Apr. 5.
Lever, Control. E. S. MacPherson. 1,876,709; Sept. 13.
Lever for suction rolls, Suction box. H. R. Farnsworth. 1,858,545; May 17.
Lever, Gear shifting. H. L. Hoover. 1,861,394; May 31.
Lever locking mechanism. C. L. Johnson. 1,866,309; July 5.
Lever opener container parts, Apparatus for making. J. M. Hothersall. 1,870,728; Aug. 9.

Lever. Ratchet. N. F. McNaught and E. H. Peterson. 1,868,839–40; July 26.
Lever stall. W. O. Wille. 1,853,327; Apr. 12.
Lever stall. W. O. Wille. 1,867,722; July 19.
Lever, Vehicle control. H. D. Browning. 1,869,301; July 26.
Levorotatory 1-(para-aminophenyl)-2-methylamino-propanol-1, Production of normal. M. Oberlin. 1,865,880; July 5.
Liberator, Oil. W. O. Wetmore. 1,887,343; Nov. 8.
Library construction. A. S. Macdonald. 1,854,158; Apr. 12.
License plate. R. L. Lewis. 1,885,844; Nov. 1.
License plate. W. W. Sylvester. 1,881,381; Oct. 4.
License tag and holder, Illuminated. F. J. McCormack. 1,884,049; Oct. 25.
License tag, Motor vehicle. W. H. Fluker. 1,850,005; Mar. 15.
License tag securing device. W. P. Fitzgerald. 1,847,605; Mar. 1.
Lid. G. Francyk. 1,882,278; Oct. 11.
Lid and applicator attachment therefor, Jar. G. Fischer. 1,840,662; Jan. 12.
Lid, Container. M. Harrison. Des. 87,963; Oct. 18.
Lid, Cuspidor. C. Canyock. 1,850,865; Mar. 22.
Lid for cooking utensils. G. C. Wisenor and L. H. Wisenor. 1,867,994; July 19.
Lid for milk tins, Pouring and closing. F. Klapperstück. 1,859,741; May 24.
Lid for refrigerated cabinets. J. R. Replogle. 1,878,181; Sept. 20.
Lid or cover, Insulated. H. H. Ward, jr. 1,871,138; Aug. 9.
Life and property protector. W. G. Bunten. 1,888,905; Nov. 22.
Lifeboat. P. G. Leidner. 1,842,275; Jan. 19.
Life boat. N. Strocchi and F. Minardi. 1,869,523; Aug. 2.
Lifeboat launching mechanism. R. M. Dillon. 1,846,953; Feb. 23.
Lifeboat system. J. B. Strauss. 1,842,572; Jan. 26.
Life guard or obstruction removed for motor road and other vehicles. V. J. Clifford. 1,866,752; July 12.
Life preserver. G. Mattson. 1,854,378; Apr. 19.
Life preserver. J. Peternella. 1,849,637; Mar. 15.
Life preserving mechanism for airships. H. P. Trusty. 1,859,542; May 24.
Life restoring apparatus. W. Kaiser. 1,882,017; Oct. 11.
Life saving device. L. A. Wolfe. 1,858,256; May 17.
Lift. M. Troy. 1,843,852; Feb. 2.
Lift, Adjustable shaft. E. F. Hathorn. 1,880,134; Sept. 27.
Lift apparatus, Pneumatic. H. T. Mustonen. 1,877,683; Sept. 13.
Lift, Automobile. F. Ackerman. 1,878,361; Sept. 20.
Lift, Automobile. J. F. Williams. 1,890,963; Dec. 13.
Lift, Auxiliary. F. H. Thorpe. 1,858,866; May 17.
Lift for automotive vehicles. F. W. Perry. 1,884,192; Oct. 25.
Lift pin assembly for a window regulator. H. C. Field. 1,871,844; Aug. 16.
Lifter: *See*—
Barrel lifter.
Can lifter.
Corn lifter.
Egg tray lifter.
Fence post lifter.
Jar lifter.
Pan lifter.
Sheet lifter.
Shutter lifter.
Skylight lifter.
Spring lifter.
Stalk lifter.
Valve lifter.
Valve spring lifter.
Lifter and conveyer, Barrel. P. I. King. 1,879,313; Sept. 27.
Lifter device and emergency wheel. I. P. Nelson 1,846,448; Feb. 23.
Lifter, Invalid. B. C. Leavitt. 1,878,785; Sept. 20.
Lifting and conveying device. A. E. Wolkow. 1,886,614; Nov. 8.
Lifting and lowering mechanism for tractors and the like. M. Ehricke. 1,853,804; Apr. 12.
Lifting apparatus. M. H. Lemaire and L. P. Guilbert 1,876,712; Aug. 23.
Lifting apparatus, Vacuum operated water. J. A. Serrell and J. L. Fitts. 1,868,673; July 26.
Lifting device. H. Breitweiser. 1,867,079; May 31.
Lifting device. G. H. Clark. 1,873,288; Aug. 23.
Lifting device. O. Mather. 1,840,591; Jan. 12.
Lifting device for power washers. A. G. McDonell 1,850,960; Mar. 22.
Lifting hook. D. Davies. 1,865,357; June 28.
Lifting hook. F. N. Grant. 1,862,081; June 7.
Lifting hook. E. Kuberka. 1,890,734; Dec. 13.
Lifting jack. J. A. Cheape. 1,860,014; May 24.
Lifting jack. A. E. Elston. 1,870,244; Aug. 9.
Lifting jack. C. A. Foyer. 1,888,761; Nov. 22.
Lifting jack. R. L. Formby. 1,849,712; Mar. 15.
Lifting jack. J. W. Hobbs. 1,883,598; Oct. 11.
Lifting jack. I. V. K. Hott. 1,846,333; Feb. 23.
Lifting jack. J. H. Kohler. 1,868,478; July 19.
Lifting jack. M. B. Lucker. 1,864,207; June 21.
Lifting jack. M. B. Lucker. 1,864,602–3; June 28.
Lifting jack. M. B. Lucker. 1,873,714; Aug. 23.
Lifting jack. M. B. Lucker. 1,874,772; Aug. 30.
Lifting jack. L. D. Nilson. 1,880,150; Sept. 27.
Lifting jack. D. W. Sessions. 1,859,993–4; May 24.
Lifting jack. S. A. Snell. 1,888,776; Nov. 22.
Lifting jack. G. W. Wiard. 1,878,219; Sept. 20.
Lifting jack, Hydraulic. R. Kümmel. 1,859,830; May 24.
Lifting means for slips, Hydraulic synchronized. J. S Taylor. 1,860,062; May 24.
Lifting mechanism. D. P. Anderson. 1,888,612; Nov. 22.
Lifting mechanism. I. V. K. Hott. 1,840,627; Jan. 12.
Lifting mechanism. I. von K. Hott. 1,872,592; Aug. 16.
Lifting mechanism for implements, Power actuated. W. L. Paul. 1,845,178; Feb. 16.
Ligature package. E. Themak. 1,887,529; Nov. 15.
Light: *See*—
Airplane landing light.
Automobile light.
Back-up light.
Beam light.
Cold white light.
Combined spot and flood light.
Copyholder light.
Dirigible light.
Dirigible road light.
Electric light.
Electric flash light.
Flash light.
Flood light.
Gas discharge light.
Gas extension light.
Landing field light.
Marine light.
Mirror light.
Multiple parallel flash light.
Navigation light.
Safety pilot light.
Ship's light.
Signal light.
Tail light.
Theater chair light.
Traffic light.
Light. W. A. Roth. 1,845,628; Feb. 16.
Light. J. H. Sheely. 1,890,167; Dec. 6.
Light and color differences, Method and system for determining and measuring. H. H. Gefcken and H. R. Richter. 1,840,500; Jan. 12.
Light and signal, Combined. S. F. Arbuckle. 1,889,623; Nov. 29.
Light and similar rays, Apparatus for treating. A. O. Tate. 1,860,824; May 31.
Light and similar rays, Apparatus for treating. A. O. Tate. 1,860,967; May 31.
Light and similar rays, Apparatus for treating. A. O. Tate. 1,866,915; July 12.
Light and ventilating screen, Adjustable. L. S. Simon. 1,841,065; Jan. 12.
Light, Apparatus for controlling and directing. D. B. Gardner. 1,892,142; Dec. 27.
Light apparatus, Gas signal. J. O. Cadieux. 1,886,326; Nov. 1.
Light arrangement, Sewing machine. R. L. Plumley. 1,879,708; Sept. 27.
Light attachment for irons. L. Utrevis. 1,891,123; Dec. 13.
Light bracket. A. F. Pieper. 1,864,756; June 28.
Light bulb device, Electric. R. J. Finesey. 1,847,953; Mar. 1.
Light cell control. H. W. Mattingly. 1,865,937; July 5.
Light control arrangement. A. Meissner. 1,880,102; Sept. 27.
Light control for photographic printing machines. A. L. Adatte. 1,889,306; Nov. 29.
Light control means. G. Jobst. 1,843,981; Feb. 9.
Light control mechanism for projectors. R. Horowitz. 1,869,965; Aug. 2.
Light control, Signal. J. and A. Hollins. 1,889,551; Nov. 29.
Light control switch. D. V. Rhoades. 1,888,145; Nov. 15.
Light controlling apparatus. L. J. Hartley. 1,852,806; Apr. 5.
Light controlling apparatus. C. W. Larner and S. J. Sanford. 1,887,650; Nov. 15.
Light-density composition of Paris-green and calcium arsenate and making the same. B. P. Webster. 1,833,188; Oct. 18.
Light device, Traffic. W. G. Keith and J. A. Manarik. Des. 87,219; June 21.
Light diffusing device. A. J. Wiegand. 1,850,365; Mar. 22.
Light effects, Producing normal. A. B. Hurley. 1,877,512; Sept. 13.
Light electric regulating device. H. Hausrath and H. Snacke. 1,848,886; Mar. 8.
Light fixture. R. L. Lamberth. Des. 86,461–2; Mar. 8.
Light fixture and mirror, Combination. C. D. McCann. Des. 87,309; July 5.
Light fixture for dial telephones. M. Blum. 1,868,344; July 19.
Light for airplane fields, Sunken. T. J. Rogers. 1,853,321; Apr. 12.
Light for airports and the like, Boundary. B. R. Shaw and F. Buchanan. 1,876,082; Sept. 6.
Light for motor vehicles and trailers, Recess. W. S. Gurton, J. Flint and H. Nyberg. 1,887,756; Nov. 15.
Light impulses into current impulses, Transforming. T. H. Nakken. 1,889,758; Dec. 6.
Light, Instantaneous control of. A. Karolus. 1,885,604; Nov. 1.
Light intensity control mechanism, Projection. I. Marks. 1,880,149; Nov. 29.
Light in variant colors, System for projecting. C. W. Hough. 1,871,794; Aug. 16.
Light in variant colors, System for projecting. C. W. Hough. 1,891,216; Dec. 13.
Light material from blast furnace slag, Apparatus for obtaining a highly porous, cellular. C. H. Schol. 1,888,394; Nov. 22.

Light meter and view scope for cameras. G. Ramsey. 1,870,464; Aug. 9.
Light or similar article, Piano. J. Pospisil. Des. 87,355; July 12.
Light post. J. F. Farnam. Des. 88,513; Dec. 6.
Light projecting apparatus. A. Y. Dodge. 1,877,284; Sept. 13.
Light projecting machine. A. J. Oberg and R. R. Stoefen. 1,876,511; Sept. 6.
Light projection. L. J. Steele and H. Martin. 1,884,696; June 28.
Light projection apparatus. A. Y. Dodge. 1,880,892–3; Oct. 4.
Light projector. P. S. Bailey. 1,860,165; May 24.
Light projector. B. Heymann. 1,847,487; Mar. 1.
Light protector, Nonglare. M. S. Halpern. 1,881,525; Oct. 11.
Light-ray projector. A. Dina. 1,884,603; Oct. 25.
Light reflecting device. E. P. Bone. 1,872,643; Aug. 16.
Light reflecting type. W. Grass. 1,884,662; Oct. 25.
Light reflecting unit. P. P. Horni. 1,881,588; Oct. 11.
Light reflecting unit. P. P. Horni and R. M. Sutphen. 1,858,298; May 17.
Light reflector. K. A. Edstrom. 1,867,502; July 12.
Light-sensitive apparatus. T. A. E. Belt. 1,860,169; May 24.
Light sensitive device. F. H. Brittain. 1,868,877; July 26.
Light-sensitive device. H. A. Iams. 1,871,994; Aug. 16.
Light sensitive device. T. W. Sukumlyn. 1,880,289; Oct. 4.
Light-sensitive device. E. D. Wilson. 1,884,464; Oct. 25.
Light-sensitive layer. E. W. Sprüngerts and R. Franke. 1,870,930; Aug. 9.
Light-sensitive layers and preparing them. M. P. Schmidt and R. Zahn. 1,845,989; Feb. 16.
Light-sensitive material for the bleaching out process. B. Wendt and H. Bincer. 1,880,573; Oct. 4.
Light signal. A. W. Fisher and W. B. Wells. 1,878,273; Sept. 20.
Light signal. T. J. O'Meara. 1,885,622; Nov. 1.
Light signal. W. B. Wells. 1,864,124; June 21.
Light signal. W. B. Wells. 1,887,983; Nov. 15.
Light signal system for railroads. F. B. Wiegand. 1,865,525; May 3.
Light source for photographic copying purposes. C. Roehrich. 1,867,100; July 12.
Light standard, Therapeutic. W. O. Prouty. Des. 88,256; Nov. 8.
Light, stop light, and backing light for motor vehicles, Combined tail. F. L. Bamford. 1,883,466; Oct. 18.
Light testing device. F. H. Owens. 1,854,715; Apr. 19.
Light variations, Photographic recording of. A. Whitaker and C. O. Browne. 1,856,524; May 3.
Lighter. A. V. Aronson. 1,876,905; May 24.
Lighter. J. E. Barnes. 1,883,752; Oct. 18.
Lighter. H. J. Beecroft. 1,882,110; Oct. 11.
Lighter. W. J. Butler and J. J. Flynn. 1,874,892; Aug. 30.
Lighter. J. Holtzman. 1,864,732; June 28.
Lighter. D. S. Rhodes. 1,872,966; Aug. 30.
Lighter. J. F. Rogers. 1,844,481; Feb. 9.
Lighter. J. Rosenthal. 1,850,142; Mar. 22.
Lighter. J. L. Smith. 1,885,869; Nov. 1.
Lighter and ash receiver, Automatic cigarette. J. J. Itzzak. 1,888,171; Nov. 15.
Lighter and ash tray, Combined table. H. J. Goldblatt. Des. 86,162; Feb. 9.
Lighter and case combined, Cigarette. S. Dominus. 1,885,950; Dec. 27.
Lighter and dispenser, Cigarette. N. Arvidsson. 1,877,472; Sept. 13.
Lighter and dispenser, Cigarette. L. Pengilly. 1,854,380; Apr. 19.
Lighter and paper weight, Combined cigar. L. R. Loveland. Des. 88,791; Apr. 19.
Lighter, Automatic burner. H. A. Mantz. 1,858,516; May 17.
Lighter, Automatic compact. H. Steinfield. 1,847,791; Mar. 1.
Lighter, Automatic gas. G. Herbster. 1,870,007; Aug. 2.
Lighter, Cigar. L. V. Aronson. 1,874,219; Aug. 30.
Lighter, Cigar. L. V. Aronson. 1,889,849; Dec. 6.
Lighter, Cigar. H. J. Bouchard. 1,880,744; Oct. 4.
Lighter, Cigar. H. Brachtl. Des. 86,103; Feb. 2.
Lighter, Cigar. C. J. Lagerholm. 1,857,200; May 10.
Lighter, Cigar. C. M. Petersen. 1,851,402; Mar. 29.
Lighter, Cigar. J. F. Rogers. 1,872,346; Aug. 16.
Lighter, Cigar. J. F. Rogers and E. F. Clark. 1,872,345; Aug. 16.
Lighter, Cigar. F. A. Zibelman. Des. 87,422; July 19.
Lighter, Cigar and cigarette. P. C. Cartier. Des. 87,429; July 26.
Lighter, Cigar and cigarette. G. J. Martel. 1,865,199; June 28.
Lighter, Cigarette. C. M. Becker. 1,844,537; Feb. 9.
Lighter, Cigarette. W. H. Geron. 1,874,495; Aug. 30.
Lighter, Cigarette. H. Kotthoff. 1,883,962; Oct. 25.
Lighter, Compact. H. Steinfeld. 1,847,790; Mar. 1.
Lighter construction. R. S. Blair. 1,891,020; Dec. 13.
Lighter construction, Portable. L. V. Aronson. 1,846,667; Feb. 23.
Lighter, Electric. M. Bressler. Des. 86,350; Mar. 1.
Lighter, Electric cigar. J. R. Ayotte. 1,846,781; Feb. 23.
Lighter for burners, Automatic. E. N. Jacobi. 1,858,505; May 17.
Lighter for cigarettes, cigars, and tobacco pipes, Electric. W. Fenton. 1,849,795; Mar. 15.
Lighter for cigars and cigarettes. F. C. Copeland. 1,844,206; Feb. 9.
Lighter for cigars, cigarettes, and the like, Electric. C. Doer, sr. 1,854,885; Apr. 19.
Lighter for gas stoves, Automatic. J. L. Bright. 1,841,399; Jan. 19.
Lighter for gas stoves, Automatic. W. F. Rogers. 1,879,992; Sept. 27.
Lighter for solid fuel, Friction-wheel. A. R. Hochstrasser. 1,858,100; Nov. 1.
Lighter for tobacco pipes. M. Martini. 1,855,524; Apr. 26.
Lighter of instantaneous type. H. C. Hanson. 1,852,845; Apr. 5.
Lighter, Oil burner. J. S. Eagan. 1,858,395; May 17.
Lighter or similar article, Cigar. F. C. Tams. Des. 86,181; Feb. 9.
Lighter, Pocket. L. V. Aronson. 1,889,342; Nov. 29.
Lighter, Pocket cigar. E. Winden. 1,862,779; June 14.
Lighter, Portable. R. R. Hutcheson. Des. 86,457; Mar. 8.
Lighter, Portable cigar. W. E. Duthie. 1,852,771; Apr. 5.
Lighter, Pyrophoric. H. Kellermann. 1,889,898; Dec. 6.
Lighter, Pyrophoric. A. Weissenburger. 1,865,659; July 5.
Lighter, Pyrophoric pocket. E. F. Clark and J. F. Rogers. 1,872,244; Aug. 16.
Lighter, Safety gas. W. W. Wingo, S. R. Smedley, and P. C. Babb. 1,887,794; Nov. 15.
Lighter, Table. H. J. Goldblatt. Des. 87,631–2; Aug. 23.
Lighter, Table. A. J. Lederer. Des. 86,463; Mar. 8.
Lighters, Constant level safety device for liquid fuel. J. and A. C. Shelby. 1,887,960; Nov. 15.
Lighting and power system, Train. J. L. Woodbridge. 1,878,563; Sept. 20.
Lighting apparatus. F. C. Winkler. 1,878,084; Sept. 20.
Lighting apparatus, Combined sign and flood. R. M. Slough. 1,843,844; Feb. 2.
Lighting appliances, Electric. M. Boltuch. 1,845,035; Feb. 16.
Lighting attachment for refrigerator display cases. C. V. Hill. 1,847,502; Mar. 1.
Lighting control mechanism, Theater. J. C. Masek. 1,872,154; Aug. 16.
Lighting device. F. W. Alexander. 1,851,558; Mar. 29.
Lighting device. A. J. and I. F. Fausek. 1,853,205; Apr. 12.
Lighting device, Decorative. M. Goldman. Des. 87,569; Aug. 16.
Lighting device for orchard heaters. J. A. Waller. 1,859,609; May 24.
Lighting device for sewing machines. E. E. See. 1,858,564; May 17.
Lighting equipment, Car. G. E. Hulse. 1,854,935; Apr. 19.
Lighting fixture. G. Ainsworth. Des. 86,989; May 24.
Lighting fixture. G. Ainsworth. Des. 87,861–3; Oct. 4.
Lighting fixture. G. F. Bryan. 1,875,550; Sept. 6.
Lighting fixture. T. R. Bettencourt. Des. 88,498–500; Dec. 6.
Lighting fixture. G. H. Cole. 1,873,291; Aug. 23.
Lighting fixture. W. Cook. Des. 88,756; Dec. 27.
Lighting fixture. H. D'Oller, jr. 1,852,432; Apr. 5.
Lighting fixture. F. R. Farmer. 1,870,618; Aug. 9.
Lighting fixture. J. G. Godoy. 1,890,378; Dec. 6.
Lighting fixture. E. F. Guth. 1,865,469; July 5.
Lighting fixture. E. F. Guth. 1,870,191; Aug. 2.
Lighting fixture. A. A. Henkel. 1,839,555; Jan. 5.
Lighting fixture. H. R. Holdeman. 1,872,453; Aug. 16.
Lighting fixture. J. Howell. Des. 87,964; Sept. 18.
Lighting fixture. S. H. Maw. 1,847,884; Mar. 1.
Lighting fixture. A. J. D. Ohm. 1,864,145; June 21.
Lighting fixture. A. J. D. Ohm. 1,870,642; Aug. 9.
Lighting fixture. R. V. Owen. Des. 88,819; Dec. 27.
Lighting fixture. J. H. Patterson. 1,889,288; Nov. 29.
Lighting fixture. R. L. Smythe and L. F. Giese. 1,848,276; Mar. 8.
Lighting fixture. A. G. Steinmayer. 1,873,500; Aug. 23.
Lighting fixture. J. H. Sutter. Des. 86,419; Mar. 1.
Lighting fixture. F. E. Taliaferro. 1,851,335; Mar. 29.
Lighting fixture. N. T. Thomas. 1,860,791; May 31.
Lighting fixture. S. J. Tucker. Des. 87,857; Sept. 27.
Lighting fixture. N. L. Ureles. 1,849,966; Mar. 15.
Lighting fixture. H. K. Wack. Des. 88,591; Dec. 6.
Lighting fixture. E. A. Wangersheim. Des. 86,756; Apr. 12.
Lighting fixture. E. A. Wangersheim. Des. 87,138–9; June 7.
Lighting fixture. C. G. Wing. Des. 87,140; June 7.
Lighting fixture and mail box, Combined. H. J. Schader. Des. 86,809; Apr. 19.
Lighting fixture, Ceiling J. H. Sutter. Des. 86,420; Mar. 1.
Lighting fixture, Ceiling. B. L. Watkin. Des. 86,945; May 10.
Lighting fixture, Ceiling diffusing. K. R. Crumpton. 1,844,639; Feb. 9.
Lighting fixture control. G. W. Cassidy. 1,882,408; Oct. 11.

Lighting fixture, Dental. J. Hansen. 1,854,302–3; Apr. 19.
Lighting fixture, Direct and indirect. G. W. Cassidy. 1,852,407; Oct. 11.
Lighting fixture, Electric. R. O. Pfeiffer. 1,846,813; Feb. 23.
Lighting fixture, Electric. R. O. Pfeiffer. 1,856,590; May 3.
Lighting fixture or article of similar nature. I. Rosenblatt. Des. 86,333; Feb. 23.
Lighting fixture, Portable. J. H. Sutter. Des. 86,494; Mar. 8.
Lighting fixture, Street. G. H. Cole. 1,859,694; May 24.
Lighting fixtures, Indirect. E. F. Guth. 1,845,085; Feb. 16.
Lighting means for landing fields at airports. M. G. Morris. 1,860,685; May 31.
Lighting, signaling, and indicating accessory for motor vehicles, Combined. E. T. Condon. Des. 85,914; Jan. 5.
Lighting standard. J. W. Gosling. Des. 88,534; Dec. 6.
Lighting structure. J. A. Coy. 1,859,465; Jan. 5.
Lighting switch. H. E. Norviel and W. E. Wikle. 1,884,146; Oct. 25.
Lighting system, Emergency. F. G. Beetem. 1,852,472–3; Oct. 11.
Lighting system for automobile lifts. W. E. Thibodeaux. 1,859,349; May 24.
Lighting system for automobiles, Automatic time. W. T. and E. C. Ross. 1,852,266; Apr. 5.
Lighting system for motor vehicles. M. Isermann and E. Ohlsson. 1,871,695; Aug. 16.
Lighting system, Vehicle. L. W. Chubb. 1,844,840; Feb. 9.
Lighting unit. H. J. Graham. 1,867,821; July 19.
Lighting unit. A. L. McCabe. 1,888,733–4; Nov. 22.
Lighting unit. O. Werner. 1,871,205; Aug. 9.
Lighting unit for reflected illumination. E. F. Guth. 1,888,103; Nov. 15.
Lighting unit, Inclosed. L. C. Doane. 1,873,308; Aug. 23.
Lighting unit, Outdoor. L. C. Doane. 1,852,741; Apr. 5.
Lightning arrester. L. S. Brach. 1,876,513–4; Sept. 6.
Lightning arrester. D. L. Craddock. 1,892,567; Dec. 27.
Lightning arrester. J. R. McFarlin. 1,873,449; Aug. 23.
Lightning arrester. E. O. Schweitzer. 1,872,510; Aug. 16.
Lightning arrester. A. G. Steinmayer. 1,873,499; Aug. 23.
Lightning arrester and making the same. J. R. McFarlin. 1,873,450; Aug. 23.
Lightning arrester, Porous. R. Tanberg. 1,873,362; Aug. 23.
Lightning or surge absorber. E. D. T. Norris. 1,887,461; Nov. 8.
Lightning protection system and method. H. L. Bumbaugh. 1,869,661; Aug. 2.
Lignin and producing the same, Consolidated. F. Bergius, F. Koch, and E. Faerber. 1,890,491; Dec. 13.
Lignin derivative and making same. G. C. Howard. 1,862,292; Mar. 8.
Lignite and producing the same, Hydrated and charred lump. E. P. Schoch. 1,871,862; Aug. 16.
Lignone derivatives, Manufacture of new product comprising. C. F. Cross and A. Engelstad. 1,840,157; Jan. 5.
Limb cast frame, Artificial. T. M. Lawrence. 1,843,983; Feb. 9.
Limb for toy figures. J. L. Kallus. 1,892,278; Dec. 27.
Limb rest stand. L. W. Davis. 1,891,755; Dec. 20.
Limbs, Making artificial. C. H. Davies. 1,884,589; Oct. 25.
Lime hydrator. H. Miscampbell. 1,877,010; Sept. 13.
Lime mixture. J. E. Underwood and C. A. Cabell. 1,878,206; Sept. 20.
Lime, Preparation of high plastic. M. Y. Seaton. 1,873,512; Aug. 16.
Lime, Producing hydrated. C. W. Keller. 1,871,530; Aug. 16.
Lime product, Producing. W. C. L. Hemeon. 1,856,763; May 3.
Lime, Production of nitrate of. H. Charrier. 1,865,303; June 28.
Lime slaker. W. J. Kuntz. 1,849,462; Mar. 15.
Lime slaking apparatus. C. G. Paden. 1,855,688; Apr. 26.
Lime boring machine. H. C. Shoemaker. 1,885,773; Nov. 1.
Line casting machine. J. W. Bittner. 1,866,445; July 5.
Line casting machine. J. G. McNamara. 1,839,241; Jan. 5.
Line casting machine. L. W. Willis. 1,874,721; Aug. 30.
Line, column, and word indicator. W. Hines. 1,864,730; June 28.
Line grip. H. Mathis. 1,853,313; Apr. 12.
Line impression equalizer. E. L. Sanders. 1,882,955; Oct. 18.
Line lift. H. E. Clark. 1,864,802; June 28.
Line protecting and message transmitting system. E. Pfiffner. 1,865,952; July 5.
Line reading device. E. M. Wangen. 1,888,750; Nov. 22.
Line spooling device. W. C. Erwin. 1,849,483; Mar. 15.
Line tightener. B. C. Harvey and J. A. Shern. 1,855,049; Apr. 19.
Linen band, Adjustable. M. Riesner. 1,886,227; Nov. 1.
Liner and making it, Nonadhesive. W. D. Wolfe. 1,846,239; Feb. 23.
Liner, Basket. J. S. Rice. 1,885,480; Nov. 1.
Liner, Basket. J. W. Trew. 1,885,492; Nov. 1.
Liner for baskets. C. J. Dudley. 1,888,495; Nov. 22.
Liner for cracking apparatus. J. C. Black. 1,851,999; Apr. 5.
Liner for locomotive driving boxes, End play. H. O. Havemeyer, jr. and J. E. Muhlfeld. 1,871,518; Aug. 16.
Liner for plug seats of tubes, Protecting. T. B. Fisher. 1,847,391; Mar. 8.
Liner for tire casings, Inner. S. R. Fetner. 1,872,265; Aug. 16.
Liner for tire casings, Inner. S. R. Fetner. 1,882,129; Oct. 11.
Liner setter head. J. W. Ritter. 1,850,157; Mar. 22.
Liners from pressure vessels, Removing. H. W. Fisher. 1,863,662; Oct. 18.
Liners into containers, Inserting. W. A. Morris and C. L. Spangler. 1,879,410; Sept. 27.
Liners, Making bushing. G. Rauberstrauch. 1,887,168; Nov. 8.
Lines, Apparatus for painting. A. Weber. 1,882,585; Oct. 11.
Lines in duplex systems, Correcting artificial. H. F. Herbig. 1,843,226; Feb. 2.
Lining and hinge reenforcement for cigar boxes. F. R. Neely. 1,851,442; Mar. 29.
Lining and manufacture, Shoe. J. H. Lawson. 1,852,422; Apr. 5.
Lining, Brake. C. F. Ogren. 1,892,625; Dec. 27.
Lining, Brake. R. S. Sanford. 1,853,006; Apr. 5.
Lining, Brake band. D. A. Dom. 1,857,108; May 3.
Lining construction for mines, galleries, shaft tunnels, and the like. H. and H. Schaefer. 1,844,184; Feb. 9.
Lining ditches and the like. W. Leriche and I. V. Beasley. 1,860,265; July 26.
Lining for a rotary furnace, Producing a. B. Bruhn. 1,869,237; July 26.
Lining for cuffs and other apparel, Prestarched. M. I. Fletcher. 1,886,798; Nov. 8.
Lining for furnaces. R. F. South. 1,857,103; May 3.
Lining for melting pots, Refractory. G. R. Brophy and G. Cochrane. 1,873,284; Aug. 23.
Lining machine, Compound. W. F. Butler. 1,865,830; July 5.
Lining for underground works. H. Schaeffer. 1,886,745; Nov. 8.
Lining for vessels or containers, Interlocking. L. C. Huff. 1,888,039; Nov. 15.
Lining for vessels, Protective. L. C. Huff. 1,892,433; Dec. 27.
Lining for withstanding internal pressure, Tunnel. R. V. Proctor. 1,853,232; Apr. 12.
Lining, Gas range side. H. Lange. 1,851,192; Mar. 29.
Lining of pipes by centrifugal action, Apparatus for the manufacture of. E. S. Hume. 1,865,692; July 5.
Lining oil wells and means therefor. R. P. Simmons. 1,880,218; Oct. 4.
Lining or coating of pipes and other tubular bodies. B. Talbot. 1,890,007; Dec. 6.
Lining, Protective hat. G. R. Hoppe. 1,852,930; Apr. 5.
Lining, Shoe. E. H. Shaw. 1,873,222; Aug. 23.
Lining, Sock. M. Lapidus. 1,864,204; June 21.
Lining, Tunnel or conduit. J. F. O'Rourke. 1,889,563; Nov. 29.
Linings in receptacle closure caps, Method and apparatus for assembling. A. A. Johnson. 1,852,078; Apr. 5.
Lingerie clasp. C. A. George. 1,852,714; Apr. 5.
Lingerie clasp. R. H. Martens. 1,869,601; Aug. 2.
Lingerie clasp. A. R. Purves. 1,863,040; June 28.
Link. H. O. Hem. 1,847,874; Mar. 1.
Link. B. H. Urschel. 1,872,099; Aug. 16.
Link and forming same, Weldless. B. N. Youngken. 1,876,905; Sept. 6.
Link and manufacture thereof, Non-skid. G. R. Cunnington. 1,859,657; May 24.
Link attachment, Cuff. J. F. Keeney. 1,849,762; Mar. 15.
Link by link pulling mechanism. W. J. McDuff. 1,845,518; Feb. 16.
Link, Connecting. P. McLoughlin. 1,842,108; Jan. 19.
Link, Connecting. W. J. Roy. 1,847,901; Mar. 1.
Link connection. H. L. Gebert and A. W. Place. 1,848,471; Mar. 8.
Link device. H. Seidman and H. Cohan. 1,840,681; Jan. 12.
Link for connecting cross chains to side chains, Slip. W. C. G. Fichter. 1,878,388; Sept. 20.
Link for cross chains, Repair. J. R. Reyburn. 1,876,345; Sept. 6.
Link for endless tractor chains, Padded. E. J. Scheckel. 1,886,839; Nov. 8.
Link for serial lamp supports. H. Laur. 1,857,109; May 3.
Link for shock absorbers. B. D. Kunkle and E. F. Rossman. 1,863,343; June 14.
Link for shock absorbers, Connecting. R. H. Ahlers. 1,873,172; Aug. 23.
Link for tire chains, Cross. B. H. Pratt. 1,872,003; Aug. 16.

Link for tire chains, Non-skid cross. G. R. Cunnington. 1,859,656 ; May 24.
Link, Fusible. C. P. Howard. 1,863,245 ; June 14.
Link, Fusible. G. I. Rockwood. 1,879,509 ; Sept. 27.
Link, Fusible. W. L. Roessner. 1,875,661 ; Sept. 6.
Link mechanism. W. Dowling. 1,883,770 ; Oct. 18.
Link pins, improving the quality of. F. A. Fahrenwald. 1,859,502 ; May 24.
Link, Tread. A. F. Armington. 1,862,617 ; June 14.
Link unit for a chain, bracelet, pendant, or the like. D. S. Beans. Des. 86,425 ; Mar. 8.
Linkage connection. W. C. Robbins. 1,884,251 ; Oct. 25.
Linkage device. L. L. Beurrier. 1,849,564 ; Mar. 15.
Linkage for control devices, Mechanical. M. E. Henning. 1,807,827 ; July 19.
Linkage for crawler tractors, Tie-member. N. M. Erdahl. 1,890,975 ; Dec. 13.
Linking machine. C. P. Kuebner. 1,885,116 ; Nov. 1.
Linoleum. C. F. Humphreys and H. W. Prentis, Jr. 1,873,587 ; Aug. 23.
Linoleum accessory vending unit. V. C. Racine. 1,875,144 ; Aug. 30.
Linoleum and making the same. J. C. McCarthy. 1,872,998 ; Aug. 23.
Linoleum and similar hard surfaced floor covering. A. M. George. 1,857,811 ; May 10.
Linoleum, Embossing. H. S. Humphreys. 1,850,627 ; Mar. 22.
Linoleum, Making. M. S. McConoughey. 1,873,844 ; Aug. 23.
Linoleum, Making. W. E. Whitney and H. G. Hassenplug. 1,868,038 ; July 19.
Linoleum, Manufacture of. A. A. Godfrey. 1,860,242 ; May 24.
Linoleum, Manufacture of a composition of. L. Bolgar. 1,852,857 ; Jan. 26.
Linoleum, Manufacture of embossed straight line. W. F. Kaufman. 1,850,631 ; Mar. 22.
Linoleum or like material, Manufacture of. A. A. Godfrey. 1,848,776 ; Mar. 8.
Linoleum or like materials, Manufacture of. A. A. Godfrey. 1,848,776 ; Mar. 8.
Linoleum or like, Manufacture of inlaid. J. Wiley. 1,873,090 ; Aug. 23.
Linoleum to normally damp concrete surfaces, Permanently securing. A. S. Peiper. 1,887,847 ; Nov. 15.
Linting machine. W. S. Shaw. 1,882,450 ; Oct. 11.
Lip guard. I. Kaufmann. 1,882,019 ; Oct. 11.
Lip stick, Screw pencil, and the like. J. Schall. 1,890,068 ; Dec. 6.
Lip stick. W. M. Sternberg. 1,869,782 ; Aug. 2.
Lipstick case. A. D. Forster. 1,879,846 ; Sept. 27.
Lip tile and support therefor. J. W. Wildermuth. 1,845,642 ; Feb. 16.
Lip tuning machine. H. E. Dow. 1,857,366 ; May 10.
Liquid and applying the same, Tinting. W. Whitehead. 1,852,137 ; Apr. 5.
Liquid and gas separator, Centrifugal. A. L. Wilson and S. H. Hulse. 1,878,052 ; Sept. 20.
Liquid and gas separator for electric switches. H. P. Packham. 1,844,499 ; Feb. 9.
Liquid and product thereof, Applying tinting. H. Platt, W. Whitehead, and F. J. Williams. 1,840,291 ; Jan. 5.
Liquid, Antifreezing. O. P. Greenstreet. 1,869,684 ; Aug. 2.
Liquid, Apparatus for delivering measured quantities of. R. Porte. 1,868,848 ; July 26.
Liquid, Apparatus for pumping. H. W. Fletcher. 1,846,001 ; Feb. 16.
Liquid applying machine. S. M. Frey. 1,870,952 ; Aug. 9.
Liquid atomizing device. J. M. Hewlett. 1,869,809 ; Aug. 2.
Liquid atomizing device. W. A. O'Connor. 1,859,273 ; May 17.
Liquid bath apparatus. C. B. Cook. 1,877,816 ; Sept. 20.
Liquid bath apparatus. C. B. Cook. 1,877,818 ; Sept. 20.
Liquid boiler. W. L. R. Emmet. 1,873,637 ; Aug. 23.
Liquid by volume from bottles or similar vessels, Apparatus for delivering measured quantities of. L. T. Payne and H. G. Conrade. 1,862,801 ; June 14.
Liquid clarifier. A. B. Orr. 1,865,480 ; July 5.
Liquid compositon for preserving materials, particularly timber, A. Hitt. 1,880,220 ; June 6.
Liquid conductor heater. M. W. Hanks. 1,881,531 ; Oct.11
Liquid container trap. B. B. Hauser. 1,852,520 ; Apr. 5.
Liquid containing tar acid, Treatment of. H. J. Rose. 1,840,977 ; Jan. 12.
Liquid cooler. R. Copp. 1,856,467 ; May 3.
Liquid cooler. T. S. Merrylees. 1,854,853 ; Apr. 19.
Liquid cooler. F. R. Zumbro. 1,864,397 ; June 21.
Liquid cooling apparatus. C. E. Bonine. 1,859,229 ; May 17.
Liquid cooling apparatus for internal combustion engines. G. H. Lecarpentier. 1,861,804 ; June 7.
Liquid delivery apparatus. J. J. Hawxhurst. Re18,425 ; Apr. 12.
Liquid delivery apparatus. R. L. Morton. 1,841,839 ; Jan. 19.
Liquid delivery apparatus. G. W. Stedwell. 1,880,517 ; Oct. 4.
Liquid depth indicating device. W. E. Bandemer. 1,876,590 ; Sept. 13.
Liquid depth indicating device. H. W. King. 1,871,182 ; Aug. 9.
Liquid depth indicating device. H. W. King. 1,876,244–5 ; Sept. 6.
Liquid, Device for sampling. I. J. Ball and S. H. Ingram. 1,870,435 ; Aug. 9.
Liquid dispenser. S. E. Nord and R. M. Miilu. Des. 88,818 ; Dec. 27.
Liquid dispenser. N. M. Stanley. 1,891,361 ; Dec. 20.
Liquid dispenser, Nondrip. C. L. Bond. 1,871,655 ; Aug. 16.
Liquid, Dispensing. L. H. Hancock. 1,842,938 ; Jan. 26.
Liquid dispensing. G. W. Stedwell. Re18,396 ; Mar. 22.
Liquid dispensing. G. W. Stedwell. 1,876,784 ; Sept. 13.
Liquid dispensing apparatus. W. A. Barnes. 1,886,623 ; Nov. 8.
Liquid dispensing apparatus. E. H. Bradley. 1,858,035 ; May 10.
Liquid dispensing apparatus. J. B. Davis. 1,872,418 ; Aug. 16.
Liquid dispensing apparatus. W. H. De Lancey. 1,870,899–900 ; Aug. 9.
Liquid dispensing apparatus. W. H. De Lancey. 1,880,869 ; Oct. 4.
Liquid dispensing apparatus. H. E. Dobson. 1,870,103 ; Aug. 2.
Liquid dispensing apparatus. J. E. Head and C. F. Lukins. 1,853,737 ; Oct. 18.
Liquid dispensing apparatus. W. A. Hersey. 1,858,206 ; May 10.
Liquid dispensing apparatus. R. J. Jauch, I. R. Farnham, and R. H. Arnold. 1,888,533 ; Nov. 22.
Liquid dispensing apparatus. E. W. Kent. 1,879,308–9 ; Sept. 27.
Liquid dispensing apparatus. J. A. Logan. 1,870,018 ; Aug. 9.
Liquid dispensing apparatus. J. A. Logan and W. H. De Lancey. 1,881,754 ; Oct. 11.
Liquid dispensing apparatus. W. H. Parker. 1,846,899 ; Feb. 23.
Liquid dispensing apparatus. G. W. Stedwell. Re18,632 ; Oct. 18.
Liquid dispensing apparatus. J. W. Winter. 1,888,192 ; Nov. 15.
Liquid dispensing cup. A. Montaibano. 1,841,664 ; Jan. 12.
Liquid dispensing device. M. D. Chestnut. 1,840,933 ; Jan. 12.
Liquid dispensing device. J. W. Moore. 1,845,319 ; Feb. 16.
Liquid dispensing device. L. Thompson. 1,892,196 ; Dec. 27.
Liquid dispensing device. A. U. Walter. 1,876,157 ; Sept. 6.
Liquid dispensing device, Coin controlled. P. Krause. 1,869,616 ; Dec. 13.
Liquid dispensing gun. F. I. Jaden. 1,868,235 ; July 19.
Liquid dispensing system. M. Fernandez y Fernandez. 1,888,262 ; Nov. 22.
Liquid dispensing system. W. H. De Lancey. 1,864,233 ; June 21.
Liquid dispensing system. G. H. Henrietta. 1,861,893 ; May 31.
Liquid dispensing system. H. G. Weymouth. 1,887,609 ; Nov. 15.
Liquid displacing apparatus W. T. McCabe. 1,839,405 ; Jan. 5.
Liquid distributing apparatus. E. V. Harlow. 1,876,669 ; Sept. 13.
Liquid distributor. J. M. Gueux. 1,850,322 ; Mar. 22.
Liquid distributor, Automatic. H. I. Cotton. 1,847,928 ; Mar. 1.
Liquid ejecting device. C. S. Kile. 1,852,658 ; Apr. 5.
Liquid elevating apparatus. A. C. Wood. 1,868,651 ; July 26.
Liquid excluder for the bearings of centrifugal separators. C. Schmitz. 1,888,475 ; Nov. 22.
Liquid extractor, Automatic. L. W. Browne. 1,882,761 ; Oct. 18.
Liquid feeding device. R. W. Davy. 1,874,249 ; Aug. 30.
Liquid feeding device. T. Van Tuyl. 1,883,847–8 ; Oct. 18.
Liquid-feeding means. A. J. Ostrander. 1,879,635 ; Sept. 27
Liquid-filling machine. E. J. Judge. 1,852,308 ; Apr. 5.
Liquid filling machine. A. S. Kirshner. 1,857,915 ; May 10.
Liquid films, Device for producing and treating thin. V. C. Benjamin. 1,881,041 ; Oct. 4.
Liquid filtering apparatus. N. E. Nilsson. 1,863,992 ; June 21.
Liquid-flow controlling device. E. F. Geiger. 1,865,851 ; July 5.
Liquid for use with refrigeration systems. H. J. Scullen. 1,841,258 ; Jan. 19.
Liquid from solid or semisolid matter by pressure, Apparatus for extracting. R. T. Binnie. 1,870,033 ; Aug. 2.
Liquid from well tubing, Draining. P. H. Granger. 1,840,944 ; Jan. 12.
Liquid from wells, Raising. H. W. Fletcher. 1,846,002 ; Feb. 16.
Liquid fuel burner. A. H. Ballard. 1,865,390 ; June 28.
Liquid fuel burner. L. C. Beadle. 1,885,674 ; Nov. 1.
Liquid fuel burner. E. E. Beyer. 1,880,695 ; Oct. 4.
Liquid fuel burner. T. Davis. 1,885,688 ; Nov. 1.
Liquid fuel burner. E. L. Woolley. 1,843,411 ; Feb. 2.

Liquid fuel engine. A. Bagnulo, 1,883,463; Oct. 18.
Liquid fuse switch, Visible. L. J. Sjoberg. 1,882,433; Oct. 11.
Liquid gauge. C. F. Wray. 1,892,418; Dec. 27.
Liquid heater. F. H. McCormick. 1,892,557; Dec. 27.
Liquid heater, Electric. H. Berthold. 1,854,880; Apr. 19.
Liquid heating and circulating device. A. F. Willat and J. B. Dawson. 1,845,692; Feb. 16.
Liquid heating and vaporizing. A. P. Beutel. 1,856,021; Apr. 26.
Liquid heating and vaporizing. J. S. Harrison. 1,856,074; May 3.
Liquid heating device. E. W. Heller. 1,871,688; Aug. 16.
Liquid in a tank, Indicating the height of a. W. P. Dillingham. 1,868,843; July 26.
Liquid indicating device. J. Maccallum, jr., and E. R. Lowell. 1,868,535; July 26.
Liquid indicator. L. Perkins. 1,878,801; Sept. 20.
Liquid level control. J. O. Davis. 1,876,044; Sept. 6.
Liquid level control. L. DeFlorez. 1,868,524; July 26.
Liquid level control. E. G. Durando. 1,851,422; Mar. 29.
Liquid level gauge. C. F. H. Bohnhardt. 1,867,204; July 12.
Liquid level gauge. J. J. Forney. 1,867,216; July 12.
Liquid level gauge. C. Knobloch. 1,857,644; May 10.
Liquid level gauge. H. Rowe. Des.18,514; July 5.
Liquid level gauge. M. E. Zeller. 1,856,899; May 3.
Liquid level in containers, Controlling the. A. D. Johnston. 1,851,031; Mar. 8.
Liquid level in vapor condensation pumps, Controlling the. L. Fleischmann and C. Krämer. 1,840,496; Jan. 12.
Liquid level indicating instrument, Electrical. E. A. Watson. 1,856,364; May 3.
Liquid level indicating means. W. H. Parker. 1,861,715; June 7.
Liquid level indicator. C. A. de Giers. 1,839,300; Jan. 5.
Liquid level indicator. C. A. de Giers. 1,881,264; Oct. 4.
Liquid level indicator. J. A. Dienner. 1,854,155; Apr. 12.
Liquid level indicator. T. M. Eynon. 1,864,991; June 28.
Liquid level indicator. A. King. 1,880,171; Sept. 27.
Liquid level indicator. H. Lundquist. 1,854,266; Apr. 19.
Liquid level indicator. J. F. Nicnow. 1,859,933; May 24.
Liquid level indicator. F. M. Slough. 1,860,209; May 24.
Liquid level indicator, Automobile. W. H. Muzzy. 1,864,411; July 21.
Liquid level regulator. W. S. Ralston. 1,875,145; Aug. 30.
Liquid-level-regulator, Automatic. R. Bodemuller. 1,864,402; June 21.
Liquid levels, System for indicating. C. E. Van Auken. 1,870,936; Aug. 9.
Liquid material, Process and apparatus for dehydrating. J. C. MacLachlan. 1,869,703; Aug. 2.
Liquid materials, Drying. G. D. Harris. 1,866,768–9; July 12.
Liquid measuring and delivering apparatus, Automatic. A. E. Panier. 1,881,289; Oct. 4.
Liquid measuring and dispensing apparatus. F. D. Pfening and H. Pfening, jr. 1,876,512; Sept. 6.
Liquid measuring device. H. T. Lewis. 1,885,926; Nov. 1.
Liquid mechanism for feeding measured quantities of. F. E. McCord. 1,851,927; Mar. 29.
Liquid meter. R. S. Bassett. 1,855,277; Apr. 26.
Liquid meter. R. S. Bassett. 1,868,369; Nov. 22.
Liquid meter. J. L. Berthet and G. Michel. 1,868,133; July 19.
Liquid meter. J. E. Bialock. 1,873,106; Aug. 23.
Liquid meter. H. Chrisman. 1,880,195; Oct. 4.
Liquid meter. E. R. Ryder. 1,875,160; Aug. 30.
Liquid meter, Piston type. R. C. Bradley. 1,841,567–8; Jan. 19.
Liquid meter system. W. H. Curtis. 1,886,328; Nov. 1.
Liquid metering and registering mechanism. P. Krause. 1,886,555; Nov. 8.
Liquid mixer. S. Aisop. 1,860,976; May 31.
Liquid mixing apparatus. H. L. Walter. 1,833,139; Oct. 24.
Liquid motor. R. B. Cahill. 1,861,951; June 7.
Liquid phase sulphation of normal butene. B. T. Brooks. 1,879,599; Sept. 27.
Liquid pressure measuring apparatus. C. V. Hardy and P. J. Johnston. 1,871,410; Aug. 9.
Liquid purifier. D. H. Gardner. 1,877,744; Sept. 13.
Liquid products from tars, mineral oils and the like carbonaceous materials, Production of valuable. C. Kearny and M. Pier. 1,890,435; Dec. 6.
Liquid purification. R. H. Kean. 1,840,105; Jan. 5.
Liquid purification. R. H. Kean. 1,860,676; May 31.
Liquid purification. G. Moore. 1,877,939; Sept. 20.
Liquid purification for Kerr cells. R. Möller. 1,866,940; July 12.
Liquid relief apparatus. G. Campbell. 1,882,062; Oct. 11.
Liquid sampling device. W. H. De Lancey. 1,850,868; Oct. 4.
Liquid sampling instrument. M. Tingleff. 1,881,415; Oct. 4.
Liquid separation. W. H. Mason. 1,875,075; Aug. 30.
Liquid separator. J. E. Bryan. 1,871,254; Aug. 9.
Liquid spreading apparatus. J. W. Bunch. 1,860,136; May 24.
Liquid spreading apparatus. J. C. Woodcock. 1,884,475; Oct. 25.
Liquid stream and application of the same, Process and device for producing the rupture or the distortion of a. H. P. Pilon. 1,843,495; Feb. 2.
Liquid supply for compressed air systems. F. S. Minier. 1,884,092; Oct. 25.
Liquid supply mechanism. C. H. Ayars. 1,888,212; Nov. 22.
Liquid supply system. C. F. Beckwith and C. C. Main. 1,874,858; Aug. 30.
Liquid supplying means for aircraft engines. S. A. Hasbrouck. 1,871,055; Aug. 9.
Liquid, Textile treatment. H. Bertsch. 1,881,348; Oct. 4.
Liquid, Textile treatment. H. Bertsch. 1,968,376; July 19.
Liquid, Tinting. H. Platt, W. Whitehead, and F. J. Williams. 1,840,290; Jan. 5.
Liquid to filter cakes, Application of. F. B. Coley. 1,874,442; Aug. 9.
Liquid treating apparatus. H. G. Mojonnier. 1,873,588; Aug. 23.
Liquid treating apparatus. C. Morrow. 1,869,706; Aug. 2.
Liquid treating apparatus. C. J. Rodman and R. P. Dunmire. 1,890,265; Dec. 6.
Liquid treatment. W. H. Green. 1,866,031; July 5.
Liquid treatment. W. H. Green and S. L. Adelson. 1,869,144; July 26.
Liquid treatment. A. B. Hodges. 1,861,796; June 7.
Liquid treatment. R. H. Kean. 1,869,153; July 26.
Liquid treatment comb. P. H. Lamothe. 1,852,617; Apr. 5.
Liquid with a gas, Apparatus for treating. F. W. Maclennan. 1,859,781; May 24.
Liquids and absorbing the same by gases, Atomizing. P. D. Van Vliet. 1,892,293; Dec. 27.
Liquids and gases, Apparatus for contacting. H. Kubni. 1,869,757; Aug. 2.
Liquids and gases, Device for solidifying. E. J. Lockwood. 1,863,377; June 14.
Liquids and impregnating gases therewith, Atomizing. P. D. Van Vliet. 1,892,294; Dec. 27.
Liquids and particularly of waste water from factories, Purification of aqueous. A. Mackert. 1,866,417; July 5.
Liquids and semiliquid materials, Method and apparatus for drying. J. C. MacLachlan. 1,845,163; Feb. 16.
Liquids, Apparatus for agitating. J. F. Schiller. 1,861,982; June 7.
Liquids, Apparatus for clarifying. A. H. Zeitz. 1,890,712; Dec. 13.
Liquids, Apparatus for cooling. O. F. Boyer. 1,859,953; May 24.
Liquids, Apparatus for cooling and carbonating portable. H. S. Cornish. 1,886,468; Nov. 8.
Liquids, Apparatus for evaporating. R. N. Ehrhart. 1,845,045; Feb. 16.
Liquids, Apparatus for evaporating. R. N. Ehrhart. 1,869,190; July 26.
Liquids, Apparatus for evaporating and distilling. D. G. Jack. 1,864,021; June 21.
Liquids, Apparatus for evaporating industrial. B. S. Hughes. 1,840,234; Jan. 5.
Liquids, Apparatus for feeding. H. D. Hunt. 1,859,774; May 24.
Liquids, Apparatus for fractional distillation of composite. H. T. Tindall. 1,876,179; Sept. 6.
Liquids, Apparatus for heat treating. E. C. D'Yarmett. 1,844,643; Feb. 9.
Liquids, Apparatus for heat treating. E. C. D'Yarmett. 1,870,445; Aug. 9.
Liquids, Apparatus for heating. R. C. Sutton. 1,885,305; Nov. 1.
Liquids, Apparatus for pumping. T. T. Word. 1,843,258; Feb. 2.
Liquids, Apparatus for pumping low temperature. R. H. Goddard. 1,860,891; May 31.
Liquids, Apparatus for the supply of. M. C. Carbonaro. 1,854,105; Apr. 12.
Liquids, Apparatus for treating. G. D. Dodd. 1,866,091; July 5.
Liquids, Apparatus with a rotatable tilting drum for drawing off. K. Strichow. 1,846,281; Feb. 23.
Liquids, Bottling of. E. B. Thubron. 1,860,270; May 24.
Liquids by dialysis, Drying. R. H. Van Schaack, jr. 1,855,393; Nov. 1.
Liquids, Chlorating. H. Philipp. 1,884,200; Oct. 25.
Liquids, Continuous operation apparatus for purifying. A. F. Robinson. 1,855,610; Apr. 26.
Liquids, Continuous process for separating organic. E. Ricard and H. M. Guinot. 1,862,706; June 14.
Liquids, Device for aerating. E. C. Hoppe. 1,888,503; Nov. 22.
Liquids, Device for controlling pressure of volatile. H. R. Siems. 1,872,831; Aug. 23.
Liquids, Device for feeding. C. W. Morse and K. McKenzie. 1,863,250; June 14.
Liquids, Device for measuring. W. Berger. 1,872,650; Aug. 23.
Liquids, Device for measuring. E. Hurlbrink. 1,889,096; Nov. 29.
Liquids, Device for measuring. H. B. Siems. 1,882,196; Oct. 11.
Liquids, Draw-off control device for. J. H. Griffin. 1,844,955; Feb. 16.

Liquids, Drying organic. R. H. Van Schaack, jr. 1,854,385; Apr. 19.
Liquids, Evaporating. F. X. Govers. 1,854,349; June 21.
Liquids for remote delivery, Controlling and measuring. T. B. Jenkins. 1,869,010; July 26.
Liquids from gases, Apparatus for separating. J. Y. Snyder. 1,857,034; May 3.
Liquids from saturated fluids, Apparatus for separating. P. Pascale. 1,869,771; Aug. 2.
Liquids from solutions, Process and apparatus for separating. G. H. Andersson. 1,846,076; Feb. 23.
Liquids from wells, Apparatus for lifting. O. V. Martin. 1,845,975; Feb. 16.
Liquids from wells, Method of and apparatus for automatically raising. E. E. Greve. 1,857,634; May 10.
Liquids having different boiling points, Apparatus for the separation of. B. Torrey, jr. and G. R. Sanford. 1,874,387; Aug. 30.
Liquids, Increasing the wetting and penetrating capacity of treatment. H. Bertsch. 1,856,020; Apr. 26.
Liquids into an engine cylinder, Introducing highly volatile. C. J. Wells and H. W. Femling. 1,854,774; Apr. 19.
Liquids, Measuring the viscosities of. H. T. Kennedy. 1,870,412; Aug. 9.
Liquids, Method and apparatus for freezing. L. G. Copeman. 1,878,759; Sept. 20.
Liquids, Method of and apparatus for mixing. S. Tranin. 1,840,987; Jan. 12.
Liquids, Method of and apparatus for the regulation of viscosity of. J. P. Leask and S. T. Warner. 1,881,200; Oct. 4.
Liquids, Method and apparatus for transporting viscous. W. M. Cross. 1,883,594; Oct. 18.
Liquids, Nebulizing. A. Sliter. 1,853,242; Apr. 12.
Liquids of different specific gravities, Apparatus for separating. S. A. B. Dahlgren. 1,870,608; Aug. 9.
Liquids or mixtures thereof with solids into high pressure apparatus, Introducing. H. A. Humphrey. 1,888,953; Nov. 22.
Liquids, Packaging. W. A. Heyman. 1,842,969; Jan. 26.
Liquids, Packaging of. E. F. Dival. 1,843,545; Feb. 2.
Liquids, Process and apparatus for heating. H. Feldmeier and R. J. Hoffmann. 1,861,786; June 21.
Liquids, Process and apparatus for storing and utilizing highly volatile. G. G. Oberfell. 1,878,174; Sept. 20.
Liquids, Pump and apparatus for carbonating. E. H. Fabrney. 1,874,091; Aug. 30.
Liquids, Process of and apparatus for distilling. O. H. Wurster. 1,881,200; Nov. 1.
Liquids, Production of carbonated. H. Heuser. 1,842,872; Jan 26.
Liquids, Purifying. H. N. Lyons. 1,854,801; Apr. 19.
Liquids, Purifying polluted. J. T. Travers, C. H. Lewis, and O. M. Urbain. 1,850,644; Mar. 22.
Liquids, Purifying industrial device for. J. Macallum, jr. 1,865,263; June 28.
Liquids, Selective separation of. A. Johnson. 1,872,958; Aug. 23.
Liquids, Sterilization of. W. Matzka. 1,850,594; Mar. 22.
Liquids, Treating. W. Evans. 1,872,262–3; Aug. 16.
Liquids, Treating. J. J. Naugle. 1,860,944; May 31.
Liquids, Vaporizing. R. H. Dow. 1,864,987; June 28.
Liquids with active carbons, Treating. C. Lourens. 1,856,571; May 3.
Liquids with gas, Emulsifying process and apparatus for the treatment of. E. W. Harvey. 1,885,012; Oct. 25.
Liquor containing proteins, starches and fats, Treating chocolate. F. P. Dewey. 1,892,449; Dec. 27.
Liquor control, Automatic weak. R. E. Schurtz. 1,890,531; Dec. 13.
Liquor, Purification of waste aqueous. O. Mohr. 1,855,982; Apr. 26.
Liquor to fresh acid cooking liquor, Regenerating spent alkaline. A. Richter. 1,859,888; May 24.
Liquor, Treatment of a sodium carbonate-sodium sulphid residual. L. Bradley and E. P. McKeefe. 1,892,100; Dec. 27.
Liquors from the soda pulp manufacture, Dry distilling waste. E. L. Rinman. 1,852,264; Apr. 5.
Liquors, Heating cellulose digesting. A. Brobeck. 1,847,589; Mar. 1.
Listening apparatus. K. Susman. 1,846,231; Feb. 23.
Lister. C. H. White. 1,851,993; Apr. 5.
Lister and dam forming device, Combined. C. T. Peacock. 1,892,002; Dec. 27.
Lister cultivator. W. H. Silver. 1,854,231; Apr. 19.
Lister drive. L. H. Kaupke. 1,878,407; Sept. 20.
Lister, Two-row. J. C. Brand and L. W. Chase. 1,855,439; Apr. 26.
Listers, Attachment for. J. J. Stevens. 1,869,923; Aug. 2.
Listing machines. Item counting mechanism for. O. D. Johantgen. 1,876,057; Sept. 6.
Listing machines. Paper feeding mechanism for. O. D. Johantgen. 1,876,056; Sept. 6.
Listing or tabulating or like statistical machine, Record card controlled. L. E. Broughan. 1,875,845; Sept. 6.
Literary and fictional matter, Apparatus for reproducing. G. Tipcska and L. Mach. 1,888,054; Nov. 15.
Lithic composition. W. E. Willett. 1,862,448; June 7.
Lithium alloys and producing the same. H. Osborg. 1,869,493; Aug. 2.
Lithium salts of 7-iodo-8-hydroxy quinoline-5-sulphonic acids. K. Schranz and C. Lutter. 1,874,638; Aug. 30.
Lithopone, Manufacture of. E. J. Flynn. 1,882,072; Oct. 11.
Lithopone, Manufacture of sunfast and inert. K. S. Mowlds and W. Seguine, jr. 1,885,940; Nov. 1.
Lithopone with high zinc sulphide content, Making. E. A. Taylor. 1,856,671; May 3.
Litter clearer for a furrowing device. R. M. Elmore. 1,846,223; Feb. 23.
Litter remover. F., H. W., and A. F. Johnson. 1,857,550; May 10.
Live-wire detector. G. F. Walter. 1,867,901; July 19.
Living objects, Method and device for microscopically viewing. F. Ellinger and A. Hirt. 1,891,348; Dec. 20.
Load balancing equipment. W. Schaelchlin. 1,873,046; Aug. 23.
Load brake, Mechanical. O. L. Coffey. 1,868,792; July 26.
Load carrying structure, Truck supported. M. G. Hilpert. 1,884,688; Oct. 25.
Load compensator for automatic elevators for making more perfect landings. R. P. McNaught. 1,862,603; June 14.
Load control. J. I. Hull. 1,865,414; June 28.
Load coupling articulation. O. K. Kjolseth. 1,842,973; Jan. 26.
Load devices, Apparatus for and method of operating, Rectifying. W. K. Kearsley. 1,890,330; Dec. 6.
Load factor indicator for aircraft, Hydrostatic. W. Klemperer. 1,865,698; July 5.
Load lifting arrangement for railway cars. A. E. Small. 1,862,715; June 14.
Load lifting beam for railway cars. A. E. Small. 1,868,179; July 19.
Load lifting device for railway cars. A. E. Small. 1,862,711; June 14.
Loader. E. C. Gledhill. 1,843,508; Feb. 2.
Loader. G. R. Lang. 1,848,532; Mar. 8.
Loader. J. C. McDermott. 1,862,230; June 7.
Loader. F. F. Waechter. 1,865,654; July 5.
Loader, Automatic bucket. R. W. Dull. 1,843,124; Feb. 2.
Loader for bottle cleaning machinery. F. P. Perkins. 1,861,961; Oct. 11.
Loader for ship hoist buckets. W. E. Hale. 1,868,319; July 19.
Loader, Leer. A. Covey. 1,839,375; Jan. 5.
Loader, Manure. J. Fredrich. 1,871,599; Aug. 16.
Loader, Manure. A. A. Peterson. 1,860,593; May 31.
Loader, Mechanical tray. F. F. C. Wilcke. 1,860,400; May 31.
Loader, Portable box car. H. A. Phillips. 1,855,257; Apr. 26.
Loader, Power driven. F. W. James. 1,882,629; Oct. 11.
Loader shaker. G. Manierre. 1,842,911; Jan. 26.
Loading and transporting device. R. C. Heaton. 1,874,007; Aug. 30.
Loading apparatus. L. W. Holme. 1,849,671; Mar. 15.
Loading apparatus for proofers. F. Marasso. 1,890,740; Dec. 13.
Loading attachment for conveyer mechanism. F. L. McCarty. 1,870,291; Aug. 9.
Loading attachment for reciprocating conveyers. R. A. Walter. 1,854,283; Apr. 19.
Loading attachment for trucks. G. Lambert. 1,892,243; Dec. 27.
Loading device. G. M. Brugler. 1,867,999; July 19.
Loading device. S. W. Farnham. 1,877,286; Sept. 13.
Loading device, Log barge. J. T. Wiband. 1,863,953; June 21.
Loading hood for snow removing mechanism. W. E. Risner and C. L. Ostrander. 1,879,315; Sept. 27.
Loading machine. H. H. Barber. 1,866,789; July 12.
Loading machine. D. C. Corner. 1,881,263; Oct. 4.
Loading machine. R. and Frank. 1,854,650; Apr. 19.
Loading machine. W. E. Ghent. 1,842,399; Jan. 26.
Loading machine. A. Hauge. 1,841,729; Jan. 19.
Loading machine. A. Hauge. 1,884,671; Oct. 25.
Loading machine. N. D. Levin. 1,841,541; Jan. 19.
Loading machine. E. C. Miller. 1,873,008; Aug. 23.
Loading machine. A. Ross. 1,853,421; Apr. 26.
Loading machine. R. E. Schroder. 1,888,868; Nov. 22.
Loading machine. L. F. Snyder. 1,850,814; Mar. 22.
Loading machine. F. W. Vodoz. 1,875,783; Sept. 6.
Loading machine. F. W. Vodoz. 1,878,037; Sept. 20.
Loading machine, Detachable. J. H. Hanlon. 1,860,415; May 31.
Loading means for bottle cleaning machines. G. J. Meyer. 1,873,845; Aug. 23.
Loading mechanism for conveyers. C. S. Jennings and L. C. Allen. 1,861,961; June 7.
Loading or boxing apparatus. W. H. Brooks. 1,873,868; Aug. 23.
Loaf assembler, Twin. W. G. Kirchhoff. 1,871,216; Aug. 9.
Loaf-slicing and wrapping attachment for bread slicing machines. F. C. Gladeck and J. W. Warren. 1,888,797; Nov. 22.
Locating an operator working any line, Method of. W. B. Blanton. 1,850,724; Oct. 4.
Locating device. D. W. Hart. 1,881,274; Oct. 4.
Locating device. P. L. Shee. 1,847,140; Mar. 1.
Locating moving bodies, System for. M. Dieckmann. 1,885,023; Oct. 25.

Locating objects, Apparatus for. C. W. Robbins. 1,882,919; Oct. 18.
Locating the point of entry of water into oil wells. G. H. Ennis. 1,866,847; July 5.
Location of members secured within bodies, Facilitating the. J. T. Griffin. 1,841,476; Jan. 19.
Lock; Seo—
Adjustable lock.
Auto combination lock.
Automobile hood lock.
Automobile lock.
Bag lock.
Bearing lock.
Bicycle lock.
Binder lock.
Bolt and nut lock.
Bolt lock.
Bottle lock.
Brush lock.
Cabinet lock.
Cage lock.
Catch lock.
Chamber water lock.
Click lock.
Closure lock.
Clutch lock.
Coach lock.
Coincidental lock.
Coin controlled lock.
Combination lock.
Connecter lock.
Cylinder lock.
Desk lock.
Doorknob lock.
Door lock.
Drawer lock.
Electric lock.
Exit lock.
Faucet bar lock.
Film gate lock.
Fish lock.
Garage door lock.
Gas protected lock.
Gas tank lock.
Gravity lock.
Hasp lock.
Hinge lock.
Hood lock.
Key disk lock.
Keyless lock.
Latch lock.
Master key lock.
Master keyed lock.
Mixing bowl lock.
Nut lock.
Permutation lock.
Pin lock.
Pin tumbler lock.
Press-button-lock.
Recording lock.
Remote control lock.
Rim lock.
Rim lug nut lock.
Safe lock.
Safety combination lock.
Safety lock.
Sash lock.
Scale lock.
Screw thread lock.
Seal lock.
Sheet metal lock.
Signaling box lock.
Sliding door lock.
Sling lock.
Spare wheel lock.
Spindle lock.
Suitcase lock.
Switch block.
Switch lock.
Table leg lock.
Tank cap lock.
Tire and rim lock.
Tire and wheel lock.
Tire lock.
Trunk lock.
Valve lock.
Vault lock.
Vehicle hood lock.
Wardrobe lock.
Wheel carrier lock.
Wheel lock.
Wheel or rim lock.
Window lock.
Window sash lock.
Lock. F. H. Andrews. 1,867,244; July 12.
Lock. E. J. Baumé. 1,850,675; Oct. 4.
Lock. C. Behrends. 1,875,978; Sept. 6.
Lock. F. E. Best. 1,866,342; July 5.
Lock. R. Bienaimé. 1,847,686; Mar. 1.
Lock. H. L. Bruning. 1,855,981; Nov. 1.
Lock. S. F. Briggs. 1,853,036; Apr. 12.
Lock. S. F. Briggs. 1,853,403; Apr. 12.
Lock. C. Chesick. 1,871,303; Aug. 9.
Lock. A. Claud-Mantle. 1,885,590; Nov. 1.
Lock. C. A. Crenshaw. 1,850,834; Oct. 4.
Lock. D. P. Davis. 1,863,296; June 14.
Lock. J. J. Drexler and J. H. Shaw. 1,842,079; Jan. 19
Lock. A. Eisele. 1,888,873; Nov. 22.
Lock. M. Falk. 1,891,214; Dec. 13.
Lock. J. W. Fitz Gerald. 1,866,886; July 12.
Lock. G. D. Full. 1,882,794; Oct. 18.
Lock. R. W. Godden. 1,888,918; Nov. 22.
Lock. Goroshko and G. Laput. 1,864,429; June 21.
Lock. J. Gutmann, jr. 1,861,086; May 31.
Lock. R. E. Guyton. 1,851,306; Mar. 29.
Lock. K. Heyer. 1,850,922; Mar. 22.
Lock. F. K. Heyer. 1,850,586; Mar. 22.
Lock. F. K. Heyer. 1,858,593; May 17.
Lock. L. Holzer. 1,888,883; Nov. 22.
Lock. E. N. Jacobi. 1,869,426; Aug. 2.
Lock. E. N. Jacobi. 1,877,404; Sept. 13.
Lock. E. N. Jacobi. 1,882,610; Oct. 11.
Lock. J. P. Johansson. 1,840,037; Jan. 5.
Lock. A. S. Katz. 1,884,722; Oct. 25.
Lock. Komp. 1,892,512; Dec. 27.
Lock. C. and J. Kemp. 1,869,596; Aug. 2.
Lock. F. Leeb. 1,879,350; Sept. 27.
Lock. A. T. Long. 1,841,234; Jan. 12.
Lock. G. A. Long. 1,863,525; June 14.
Lock. F. W. McFarland. 1,889,210; Nov. 29.
Lock. J. J. Murphy. 1,842,559; Jan. 26.
Lock. T. F. Noonan. 1,890,744; Dec. 13.
Lock. E. W. North. 1,861,579; June 7.
Lock. R. T. Ross. 1,850,516; Mar. 22.
Lock. M. Schaefer. 1,861,211; May 31.
Lock. J. Schlechter and C. R. Poole. 1,860,161; May 24
Lock. J. A. Shafer. 1,860,369; May 31.
Lock. J. A. Shafer. 1,861,210; May 31.
Lock. J. H. Shaw. 1,888,095; Nov. 15.
Lock. J. H. Shaw. 1,889,434; Nov. 29.
Lock. E. O. Stallings and R. H. Gorton. 1,870,427; Aug. 9.
Lock. E. B. Stone. 1,883,072; Oct. 18.
Lock. G. R. Terrill. 1,866,955; July 12.
Lock. J. Unger. 1,841,388; Jan. 19.
Lock. A. Voigt. 1,883,171–2; Oct. 18.
Lock. W. R. Way. 1,876,115; Sept. 6.
Lock. J. Weber. 1,857,225; May 10.
Lock. S. Wise. Des. 86,552; Mar. 15.
Lock and anchor for wolf snares. J. J. Bjornseth. 1,841,872; Jan. 19.
Lock and anti-rattler, Window. P. Schneider. 1,886,746; Nov. 8.
Lock and burglar alarm, Combination window sash. W. D. England and C. B. Chaffee. 1,892,336; Dec. 27.
Lock and covered bail, Trunk. B. H. Erwin. 1,867,140; July 12.
Lock and easy starting device for vehicles, Wheel. C. A. K. Cornwall. 1,886,169; Nov. 1.
Lock and key indicator. L. Oberfield. 1,843,335; Feb. 2.
Lock and latch. H. E. Woernle. 1,854,917; Apr. 19.
Lock and number indicating device, Camera. C. A. Kunkler. 1,888,134; Nov. 15.
Lock and opener, Combined door. P. Peloquin. 1,859,460; May 24.
Lock and post, Automobile door. F. F. Phillips. 1,869,274; July 26.
Lock and release, Door hanger. F. G. Schwartz and R. A. Nourse. 1,851,296; Mar. 29.
Lock and seal, Freight car. F. W. McFarland. 1,869,387; Aug. 2.
Lock and weather strip, Sash. W. H. McHugh. 1,839,770; Jan. 5.
Lock arrangement for safe doors, etc. A. Tönnessen. 1,854,080; Apr. 12.
Lock bodies, Method and apparatus for mounting. A. Levine. 1,846,007; Feb. 16.
Lock bolt fastener and door opener. H. C. Hood. 1,847,564; Mar. 1.
Lock cap. F. Greene. 1,865,369; June 28.
Lock construction. P. S. Grierson and G. Bright. 1,851,511; Oct. 11.
Lock construction, Keyhole. H. F. Keil. 1,867,361; July 12.
Lock controlling device, Coupler. W. Kelso. 1,862,790; June 14.
Lock device. W. Ganz. 1,881,467; Oct. 11.
Lock for automobile and other doors. E. L. Hildebrand. 1,848,528; Mar. 8.
Lock for automobiles, Spare tire. H. E. Soref. 1,845,354; Feb. 16.
Lock for boxes. A. E. Banasik. 1,878,362; Sept. 20.
Lock for car dumpers, Platen. R. W. Kaltenbach. 1,846,520; Feb. 23.
Lock for car dumpers, Platen. R. W. Kaltenbach. 1,865,763; July 5.
Lock for car switches, Handle. C. J. Anderson. 1,875,546; Sept. 6.
Lock for castellated nuts. G. T. Cooke. 1,858,039; May 10.
Lock for containers. W. J. Mylar. 1,857,654; May 10.
Lock for door rollers. J. E. Scott. 1,878,333; Sept. 20.
Lock for doors, drawers, or the like. T. Smith. 1,850,854; Mar. 22.
Lock for driving gears, Reverse. I. G. Meyer. 1,864,142; June 21.
Lock for elevator doors, Automatic. C. E. Ives. 1,882,621; Oct. 11.
Lock for exit bolts. I. N. Van Sickles. 1,867,606; July 19.
Lock for flexible tubing, Terminal. H. A. Earnest. 1,841,318; Jan. 12.
Lock for foldable beds, Safety. G. F. Cane. 1,839,831; Jan. 5.
Lock for garments and the like, Sliding. M. Winterhalter. 1,846,897; Mar. 15.
Lock for handbags. B. Wachs and D. H. Colin. 1,884,416; Oct. 25.
Lock for looms, Beam. H. N. Smith. 1,868,152; July 19.
Lock for meter box covers. L. J. Taylor. 1,891,961; Dec. 27.
Lock for motor vehicles, Transmission. E. V. Noser. 1,881,889; Oct. 11.
Lock for pails, Cover. V. P. Wendle. 1,862,730; June 14.
Lock for pocket books, Fastening snap. R. Pearson. 1,854,717; Apr. 19.
Lock for portable elevators, Floor. H. S. Germond, jr. 1,854,156; Apr. 12.
Lock for presses, Safety. J. W. Brundage. 1,867,304; July 12.
Lock for railway switches, Slow release. L. Wyant. 1,867,044; July 12.
Lock for sliding closures. H. T. Walton. 1,845,458; Feb. 16.
Lock for small arms. E. Sternberg. 1,846,229; Feb. 23.
Lock for spare wheels and tires. F. W. Henke, jr. 1,845,916; Feb. 16.
Lock for spare wheels and tires. H. S. Jandus and F. A. Smith. 1,881,620; Oct. 11.
Lock for spare wheels or tires, Fenderwell. F. A. Smith. 1,892,192; Dec. 27.
Lock for spring switches. J. A. Peabody. 1,847,894; Mar. 1.
Lock for tilting drum concrete mixers. C. F. Ball. 1,853,110; Apr. 12.
Lock for vehicles, Automatic safety wheel. C. Gattie. 1,844,818; Feb. 9.
Lock for vehicles, Automatic safety wheel. C. Gattie. 1,880,129; Sept. 27.
Lock frame. M. Leventhal. Des. 87,666; Aug. 30.
Lock guard. G. L. Ross. 1,853,456; Apr. 12.

Lock inserter, Valve spring. C. J. Muzzy and T. E. Gannon, 1,851,681; Mar. 29.
Lock joint for sectional concrete pipes. F. Yeager. 1,871,398; Aug. 9.
Lock keeper, Adjustable. J. W. Anstine. 1,873,528; Aug. 23.
Lock mechanism. J. E. Carr and J. Knell. 1,892,447; Dec. 27.
Lock mechanism. W. F. Diesel. 1,867,001; July 12.
Lock mechanism. H. F. Kell. 1,888,954–5; Nov. 22.
Lock mechanism. E. E. Neal. 1,851,207; Mar. 29.
Lock mechanism. E. E. Neal. 1,855,686–7; Apr. 26.
Lock mechanism. J. H. Shaw. 1,854,563; Apr. 19.
Lock mechanism. W. A. Thor. 1,853,243; Apr. 12.
Lock mechanism, Anti-panic. W. E. Stonebridge. 1,863,129; June 14.
Lock mechanism, Door. R. N. Smith. 1,883,027; Oct. 18.
Lock mechanism for safes. C. F. Wolters. 1,876,193; Sept. 6.
Lock mechanism, Keyless. W. J. Buettner. 1,843,013; Jan. 26.
Lock mechanism, Time. C. A. Miller. 1,858,964; May 17.
Lock mechanism, Trailer or truck. L. J. Kline. 1,881,676; Oct. 11.
Lock-nut. A. S. McDonnell. 1,885,459; Nov. 1.
Locknut, Bonding. R. W. Chanaberry. 1,876,487; Sept. 6.
Lock operating mechanism, Door. A. Wasberg. 1,859,610; May 24.
Lock plate. H. Lipschitz. Des. 88,802; Dec. 27.
Lock protecting device. R. W. Kirkpatrick. 1,863,487; June 14.
Lock protection. G. Boissonnault. 1,869,404; Aug. 2.
Lock protector for motor vehicles. W. Werckmeister. 1,843,586; Feb. 2.
Lock set, Door. J. C. Wratschko. 1,839,519; Jan. 5.
Lock shim. H. W. Innes. 1,852,623; Oct. 4.
Lock slider. S. H. Norton. 1,853,634; Apr. 12.
Lock slider for slide fasteners. E. M. Whitney. 1,858,351; May 17.
Lock structure. G. L. Ross. 1,853,457; Apr. 12.
Lock structure for vehicle doors, Remote control. F. M. Edgar. 1,857,683; May 10.
Lock switch. V. R. Haspard. 1,875,225; Aug. 30.
Lock switch. E. Sinner. 1,875,168; Aug. 30.
Lock switch, Combination. W. K. Mason. 1,867,415; July 12.
Lock switch, Combination. C. Rosine. 1,873,484; Aug. 23.
Lock transfer switch, Triple. R. M. Martens. 1,846,344; Feb. 23.
Lockup, Power plate. J. A. Isbell. 1,856,162; May 3.
Lock washer. R. T. Hoskins. 1,866,304; July 5.
Lock washer. C. H. Loutrel. 1,853,440; Apr. 12.
Lock washer. C. G. Olson. 1,841,669; Jan. 19.
Lock washer. C. G. Olson. 1,842,373; Feb. 23
Lock washer. C. G. Olson. 1,850,242; Mar 22
Lock washer. C. G. Olson. 1,874,596–7; Aug. 30
Lock washer. C. G. Olson. 1,874,429; Sept. 27.
Lock washer. C. G. Olson. 1,882,089; Oct. 11.
Lock washer. C. L. Peirce, jr. 1,885,761; Nov. 1.
Lock washer assembly. E. C. Crowther. 1,874,462; Aug. 30.
Locker construction. J. E. Bales. 1,843,264; Feb. 2
Locker, Household. W. J. Wheeler. 1,847,993; Mar. 1.
Locker, Self service. C. H. Potter. 1,842,286; Jan. 19.
Locker system. R. LaPorte. 1,875,383; Sept. 6.
Locking and clamping mechanism for motion picture projector machine parts. A. Dinu. 1,869,888; Aug. 2.
Locking and fastening device for vaults, Automatic. J. D. Rensbier. 1,862,704; June 7.
Locking and holding means, Spare wheel. C. W. Van Ranst. 1,853,476; Apr. 12.
Locking and safety device, Transfer crane. H. F. Martin. 1,861,097; Oct. 4.
Locking and tripping device for a power lift implement. J. A. Vaughn. 1,888,482; Nov. 22.
Locking and tripping device for power lift implements. J. A. Vaughn. 1,888,521; Nov. 22.
Locking apparatus for sedan bodies of automobiles. B. Walker. 1,853,326; Apr. 12.
Locking apparatus, Railway switch. J. W. Livingston. 1,839,794; Jan. 5.
Locking attachment for electric light bulbs. A. C. T. Myers. 1,881,091; Oct. 4.
Locking attachment for dust bags. E. F. Martinet. 1,855,028; Apr. 19.
Locking attachment, Gas valve. J. W. Platt. 1,877,529; Sept. 13.
Locking device. E. Brandt. 1,868,345; July 19.
Locking device. R. Fourchy. 1,865,366; June 28.
Locking device. R. J. Gollong and R. H. Carter. 1,861,658; Aug. 2.
Locking device. E. N. Jacobi. 1,853,162; Apr. 12.
Locking device. E. N. Jacobi. 1,853,564; Apr. 12.
Locking device. F. K. Keppler. 1,856,391; May 3.
Locking device. A. F. Kipper and R. H. Thayer. 1,871,064; Aug. 9.
Locking device. J. E. Malivert. 1,847,014; Feb. 23.
Locking device. A. Mayer. 1,851,678; Mar. 29.
Locking device. C. G. Olson. 1,846,271; Feb. 23.
Locking device. J. S. Paulton. 1,878,886; Sept. 20.
Locking device. L. B. Roberts. 1,843,757; Feb. 2.
Locking device. L. D. Schmidt. 1,878,544; Sept. 20.
Locking device. L. Solti. 1,869,027; July 26.
Locking device. C. Spangenberg, sr. 1,851,876; Mar. 29.
Locking device. C. van der Leun. 1,866,684; July 12.
Locking device, Door. J. B. Flynn. 1,877,836; Sept. 20.
Locking device, Door knob. E. Ellingson. 1,845,963; Feb. 16.
Locking device, Drawer. J. Ritter, jr. 1,870,467; Aug. 9.
Locking device for automobile wire wheels. J. E. Kean. 1,851,911; Mar. 29.
Locking device for automobiles, Reverse movement. J. H. Johnston. 1,849,301; Mar. 15.
Locking device for car seats. A. B. Bell. 1,879,038; Sept. 27.
Locking device for clothes driers. R. G. Bicknell. 1,883,497; Oct. 18.
Locking device for couplings. H. A. Earnest. 1,841,319; Jan. 12.
Locking device for pneumatic tools. J. Michel. 1,862,859; June 14.
Locking device for road forms or rails, Stake. H. E. Hufford. 1,889,929; Nov. 29.
Locking device for rotatable members. F. W. Edwards. 1,890,030; Dec. 6.
Locking device for screws and the like. W. J. Gibbons. 1,871,684; Aug. 16.
Locking device for slide fasteners. S. H. Norton. 1,862,196; June 7.
Locking device for the covers of impregnating tanks, etc. H. E. Gosch. 1,872,443; Aug. 16.
Locking device for vulcanizing molds. C. E. Maynard 1,841,491; Jan. 19.
Locking device for window screens. J. T. Dawicki, jr. 1,858,987; May 17.
Locking device in children's wheeled toys. J. Richter. 1,858,940; May 17.
Locking device, Milk bottle. F. L. Grant. 1,856,097; May 3.
Locking device, more particularly for textile machines. W. Schweiter. 1,844,300; Feb. 9.
Locking device, Plate. H. A. W. Wood. 1,843,473; Feb. 2.
Locking device, Safety. O. A. Carlson. 1,888,306; Nov. 22.
Locking device, Secret. C. J. Hagstrom and G. E. Hagstrom. 1,887,016; Nov. 8.
Locking device, Swing door keyless. R. W. Bronson. 1,858,401; July 26.
Locking device, Temporary. E. Anderson. 1,864,883; June 28.
Locking device, Wire. C. P. Walker. 1,842,435; Jan. 26.
Locking end stop for fasteners. R. C. Legat. 1,889,337; Nov. 29.
Locking handle. C. A. Tournier and J. Goodman. 1,845,732; Feb. 16.
Locking key. R. Powis. 1,881,935; Oct. 11.
Locking means. W. H. Harbert. 1,873,643–4; Aug. 23.
Locking means. F. E. Nodine. 1,890,336; Dec. 6.
Locking means, Automatic pressure. E. Davis. 1,874,697; Aug. 30.
Locking means, Centrifugal. F. F. Kaiser. 1,853,359; Apr. 12.
Locking means, Coin controlled. G. E. Nicholson. 1,860,295; May 24.
Locking means, Coin delivery apparatus. E. J. Brandt. 1,859,946; Jan. 5.
Locking means for cotton gin presses. W. D. Wilson. 1,852,495; Apr. 5.
Locking means for nuts. F. D. Condit. 1,850,659; Mar. 22.
Locking means for rotatable elements. F. B. Thomas. 1,891,695; Dec. 20.
Locking means for separable electric fittings. A. H. Nero. 1,874,334; Aug. 30.
Locking means for vending machines, Coin. G. Morrison. 1,874,847; June 28.
Locking means for work holders or jigs. E. L. Greer and K. F. Marx. 1,874,504; Aug. 30.
Locking means, Hatch cover. V. H. Harbert. 1,873,645; Aug. 23.
Locking means, Tire. E. Stern. 1,843,348; Feb. 2.
Locking mechanism. W. F. Diesel. 1,885,238; Nov. 1.
Locking mechanism. A. Dina. 1,856,069; May 3.
Locking mechanism. E. Ellingson. 1,876,885; Sept. 13.
Locking mechanism. J. Samuels. 1,884,878; Oct. 25.
Locking mechanism. J. Verderber. 1,858,065–6; May 10.
Locking mechanism, Drawer. J. Sturm. 1,841,220; Jan. 12.
Locking mechanism for banks and the like, Door. S. I. and W. D. Merrill. 1,865,779; July 5.
Locking mechanism for cabinets. W. R. Rix. 1,843,784; Feb. 2.
Locking mechanism for doors. K. A. Benzee. 1,871,442; Aug. 16.
Locking mechanism for doors. W. T. Pierce. 1,840,819; Jan. 12.
Locking mechanism for loose leaf post binders. C. A. Finley. 1,843,871; Feb. 2.
Locking mechanism for power apportioning devices. A. D. Robbins. 1,886,837; Nov. 8.
Locking mechanism for radiators. A. E. Davis. 1,880,341; Oct. 4.
Locking mechanism for railway cars, Door. A. Campbell. 1,861,152; May 31.
Locking member for sprinkler heads. C. P. Howard. 1,863,246; June 14.

Locking mechanism for swifts. J. J. Sippel. 1,871,564; Aug. 16.
Locking mechanism for switch stands. A. A. Adams and R. G. Morse. 1,852,390; Apr. 5.
Locking mechanism for trunks. Drawer. E. Suellow and J. Meidl. 1,870,149–50; Aug. 2.
Locking mechanism, Friction. C. E. Collins. 1,855,939; Apr. 26.
Locking mechanism, Jail door. H. D. Garber. 1,840,623; Jan. 12.
Locking pin damping device. R. J. Miller. 1,875,096; Aug. 30.
Locking plate for fish rods. D. Petrin. 1,860,948; May 31.
Locking sheet metal structure. E. J. Hayman. 1,886,881; Nov. 8.
Locking slider for fasteners. G. E. Prentice. 1,890,749; Dec. 13.
Locking strip. H. Levison. 1,848,365; Mar. 8.
Locking the hood of the motor and the spare wheel, Attachment for automobiles for. I. de la Borbolla. 1,892,483; Dec. 27.
Lock. R. J. Johnson. 1,886,402; Nov. 8.
Locks, Crank attachment for door. R. Vernooy. 1,847,797; Mar. 1.
Locomotive. R. G. Anderson. 1,842,955; Jan. 26.
Locomotive. C. H. Apps. 1,871,295; Aug. 9.
Locomotive. J. G. Blunt. 1,871,023; Aug. 9.
Locomotive. A. W. Brice. 1,850,257; Apr. 12.
Locomotive. L. Lyons. 1,849,583; Mar. 15.
Locomotive. G. F. Niegemann. 1,870,019; Aug. 2.
Locomotive. H. Schneider. 1,850,390; Mar. 29.
Locomotive. G. Smith. 1,851,068; Mar. 29.
Locomotive. A. J. Townsend. 1,851,468; Mar. 29.
Locomotive. A. J. Townsend. 1,859,392; Nov. 29.
Locomotive. E. A. Turner. 1,892,372; Dec. 27.
Locomotive. H. S. Vincent. 1,878,208; Sept. 20.
Locomotive and method of operation, Limited cut-off. W. E. Woodward. 1,882,310; Oct. 11.
Locomotive and superheater therefor. E. L. Schellens. 1,876,766; Sept. 13.
Locomotive arch. J. C. Chapple. 1,857,272; May 10.
Locomotive, Articulated. C. F. Frede and K. S. Howard. 1,888,822; Nov. 22.
Locomotive auxiliary port controlling means. H. S. Vincent. 1,878,209; Sept. 20.
Locomotive bed. W. C. Krautheim and K. S. Howard. 1,845,157; Feb. 9.
Locomotive boiler, Single drum. G. H. Emerson. 1,869,309; July 26.
Locomotive, Booster equipped. K. Klug. 1,869,155; July 26.
Locomotive brake. J. C. McCune. 1,842,477; Jan. 26.
Locomotive cab underframe. E. A. Turner. 1,870,199; Aug. 2.
Locomotive, Cable reel. S. W. Farnham. 1,867,141; July 12.
Locomotive, Condensing. E. Burmeister. 1,871,493; Aug. 16.
Locomotive control system. J. H. Harvey. 1,848,881; Mar. 8.
Locomotive control system. F. H. Shepard. 1,870,469; Aug. 9.
Locomotive control system. C. C. Whittaker. 1,862,129; June 7.
Locomotive crosshead. J. W. Highleyman. 1,841,478; Jan. 19.
Locomotive crosshead and guide construction. D. S. Ellis. 1,891,973; Dec. 27.
Locomotive cylinder saddle structure. K. S. Howard and E. G. Hallquist. 1,864,736; June 28.
Locomotive draft appliance. H. and H. K. Rooney. 1,844,439; Feb. 9.
Locomotive draft appliance, Self cleaning. A. Giesl-Gieslingen. 1,869,891; Aug. 2.
Locomotive drawbar. M. Rivkin. 1,862,429; June 7.
Locomotive driving box. F. H. Einwaechter, jr. 1,841,996; Jan. 19.
Locomotive exhaust mechanism. W. E. Woodard and L. G. Tandy. 1,848,149; Mar. 8.
Locomotive exhaust piping and feed water heater. W. F. Kiesel, jr. 1,889,924; Dec. 6.
Locomotive for toy railways. J. E. Cuff. Des. 88,371; Nov. 22.
Locomotive frame. H. Glaenzer. 1,869,248; July 26.
Locomotive frame. M. Rivkin. 1,857,064; May 3.
Locomotive, Geared. H. W. Snyder. 1,839,273; Jan. 5.
Locomotive, Integral mining. C. Bethel. 1,872,875; Aug. 23.
Locomotive, Internal combustion. J. Geiger. 1,887,633–4; Nov. 15.
Locomotive. Internal combustion engine. J. J. Hagemeister and E. Jorgen-Jensen. 1,847,510; Mar. 1.
Locomotive lubricator. A. R. Bailey. 1,886,622; Nov. 8.
Locomotive, Oil-electric. A. Wallace. 1,888,190; Nov. 15.
Locomotive refilling method. F. W. Miller. 1,870,582; Aug. 9.
Locomotive, Reversible auxiliary. C. H. Froelich. 1,873,838; Sept. 20.
Locomotive sanding mechanism. V. L. Frantz. 1,877,837; Sept. 20.
Locomotive sanding trap. V. L. Frantz and G. H. Knauff. 1,864,057; June 21.
Locomotive sand-pipe pilot machine. T. O. Curtis. 1,852,505; Apr. 5.
Locomotive speed control system, Electric. F. Prantl. 1,873,979; Aug. 30.
Locomotive, Storage battery. R. Mancha. 1,843,690; Feb. 2.
Locomotive, Storage battery. R. Mancha and C. E. Stoltz. 1,843,691; Feb. 2.
Locomotive, Storage battery. R. Mancha and C. E. Stoltz. 1,875,627; Sept. 6.
Locomotive, Storage battery. A. A. Ponsonby. 1,847,443; Mar. 1.
Locomotive, Storage battery. A. A. Ponsonby. 1,851,727; Mar. 29.
Locomotive structure. K. S. Howard. 1,875,343; Sept. 6.
Locomotive structure. K. S. Howard. 1,888,824; Nov. 22.
Locomotive structure. K. S. Howard and E. C. Jackson. 1,875,342; Sept. 6.
Locomotive structure. C. W. Kell. 1,864,202; June 21.
Locomotive structure. C. W. Kell and W. O. Ashe. 1,888,825; Nov. 22.
Locomotive tank. C. W. Wheeler and P. Willis. 1,849,211; Mar. 15.
Locomotive tender. H. P. Anderson. 1,870,189; Aug. 2.
Locomotive tender. H. A. Hoke. 1,876,297; Sept. 6.
Locomotive tender. E. A. Turner. 1,886,763; Nov. 8.
Locomotive, Turbine. G. Belluzzo. 1,887,178; Nov. 8.
Locomotive with interstage superheating, High pressure. A. Lafrnanuz and K. Kling. 1,879,235; Sept. 27.
Locomotives, Diaphragm for. N. P. Clatterbuck. 1,879,094; Sept. 27.
Locomotives, Lateral motion device for. A. W. Bruce. 1,875,172; Aug. 30.
Locomotives, Smoke disposal and draft inducing apparatus for. H. G. Day and W. E. Skinner. Re18,316; Jan. 5.
Locomotor. C. E. Crapo. 1,860,385; May 31.
Locomotor. L. B. Parrish and F. G. Kelbsch. 1,868,948; July 26.
Lodge, Collapsible and portable. W. B. Pooch. 1,862,425; June 7.
Log-boom securing device. E. E. Penner. 1,843,625; Feb. 2.
Log loading apparatus. W. E. Rosebush. 1,890,413; Dec. 6.
Log retaining and unloading device. T. L. R. Cooper. 1,888,973; Nov. 29.
Log turner. J. A. Weber. 1,842,465; Jan. 26.
Log turner and loader. H. C. Fisher. 1,874,093; Aug. 30.
Logging engine. H. L. Turney. 1,887,444; Nov. 8.
Logging hook. E. E. McCorsin. 1,842,040; Jan. 19.
Lollypop cluster or similar article. F. Kobak. Des. 88,232; Nov. 8.
Long stroke jack. J. S. Hunter. 1,848,530; Mar. 8.
Loom. J. M. Badia. 1,868,128; July 19.
Loom. L. W. Connell. 1,888,908; Nov. 22.
Loom. L. A. Decoing. 1,843,506; Feb. 2.
Loom. T. J. Garsio. 1,840,892; Jan. 12.
Loom. W. Harris. 1,845,150; Feb. 16.
Loom. F. W. Merrick. 1,875,089; Aug. 30.
Loom. K. Mutter. 1,889,076; Nov. 29.
Loom. H. M. Paternayan. 1,860,474; May 31.
Loom. A. W. Rockwood. 1,840,975; Jan. 12.
Loom. P. Schmidt. 1,889,500; Nov. 29.
Loom. E. J. Wilson. 1,880,183; Sept. 27.
Loom, and method of weaving. G. W. Bogdanffy. 1,859,952; May 24.
Loom apparatus. W. E. Buchanan. 1,871,255; Aug. 9.
Loom attachment. C. Hargreaves. 1,883,370; Oct. 18.
Loom, Automatic shuttle replenishing. E. W. Stone. 1,840,855; Jan. 12.
Loom, Box. I. Mercier Solé. 1,873,159; Aug. 23.
Loom check. W. F. Clayton. 1,842,744; Jan. 26.
Loom, Circular. E. Nanfeldt. 1,872,168; Aug. 16.
Loom dobby. V. Lindsjo. 1,853,985; Apr. 12.
Loom filling fork delaying mechanism. A. E. Benson. 1,844,054; Feb. 9.
Loom for the manufacture of pile fabrics. P. Venail. 1,864,106; June 21.
Loom for the manufacture of textiles of all kinds in the form of a tube, Rotary. F. Alonso. 1,860,975; May 31.
Loom for weaving. R. Cotton. 1,892,299; Dec. 27.
Loom for weaving Axminster carpets and similar tufted fabrics. C. C. Brinton. 1,851,805; Mar. 29.
Loom for weaving tufted fabrics. C. Alvord. 1,851,477; Mar. 29.
Loom for weaving tufted fabrics. J. Morton and F. H. Oldroyd. 1,856,783; May 3.
Loom having stationary supplies. W. A. Dickie and F. C. Hale. 1,862,178; June 7.
Loom, Loose reed. W. E. Lundgren. 1,863,862; June 21.
Loom picker. H. M. Bacon. 1,851,932; Mar. 29.
Loom picker. H. I. Leiby. 1,852,812; Apr. 5.
Loom picker and making same. C. W. Mansur. 1,852,813; Apr. 5.
Loom picker stick. J. S. Arienta. 1,891,464; Dec. 20.
Loom, Pile fabric. V. Gero. 1,861,004; May 31.
Loom, Pile fabric. H. Mason. 1,845,614; Feb. 16.
Loom, Pile fabric. E. W. Stone. 1,840,856; Jan. 12.
Loom reed. I. Andrews. 1,886,778; Nov. 8.
Loom, Reed. G. E. Nordstrom. 1,868,717; July 26.
Loom, Reed. G. E. Nordstrom. 1,891,944; Dec. 27.
Loom, Shuttle changer. A. J. Chevrette. 1,872,890; Aug. 23.

Loom, Shuttle changer. A. J. Chevrette. 1,873,112; Aug. 23.
Loom, Shuttle changing. R. G. Turner and V. H. Jennings. 1,873,073; Aug. 23.
Loom, Shuttle replenishing. E. W. Stone and F. V. Grunor. 1,862,987; June 14.
Loom, Shuttleless. H. Dreyfuss and F. C. Hale. 1,883,354; Oct. 18.
Loom, Spring stand for dobby. A. E. Brickman. 1,847,748; Mar. 1.
Loom stop mechanism. H. Demers. 1,865,620; July 5.
Loom stopping mechanism. V. Lindsjo. 1,892,062; Dec. 27.
Loom take-ups, Let-back for. C. D. Brown. 1,849,221; Mar. 8.
Loom, Tuft pile fabric. E. W. Stone. 1,865,221; June 28.
Looms and the like, Control mechanism for. J. L. Reynolds, S. and J. M. McKelvey. 1,884,239; Oct. 25.
Looms, Attachment for narrow ware. F. W. Oehrle. 1,848,813; Jan. 12.
Looms, Automatic take-up motion for. J. M. Graef. 1,859,034; May 17.
Looms, Auxiliary shuttle box for shuttle changing. R. G. Turner. 1,856,177; May 3.
Looms, Back box plate for. W. I. Stimpson. 1,848,674; Mar. 8.
Looms, Box motion for. J. H. Atwood and C. S. Proctor. 1,842,305; Jan. 19.
Looms, Box moving mechanism for. C. J. Lindegren. 1,847,615; Mar. 1.
Looms, Change mechanism for. C. A. Ramsey. 1,869,822; Aug. 2.
Looms, Cloth take-up mechanism for. V. Lindsjo. 1,865,118; June 28.
Looms, Combined stop motion and float preventer for. L. E. Blackman. 1,857,837; May 10.
Looms, Controlling and indicating mechanism for. F. G. Cobb. 1,872,893; Aug. 23.
Looms, Crank shaft for. J. C. P. Harris. 1,853,610; Apr. 12.
Looms, Dobby finger for. E. R. Holmes. 1,863,847; June 21.
Looms, Dobby for. A. D. Waters. 1,841,923; Jan. 19.
Looms, Electric feeler mechanism for. R. C. Newton and S. H. Dodge. 1,861,762; June 14.
Looms, Electric filling feeler for. A. Ott. 1,891,572; Dec. 20.
Looms, Electrical detector mechanism for drop box. D. H. Bushey. 1,873,109; Aug. 23.
Looms employed in weaving preparatory chenille material for the manufacture of Axminster carpets and the like, Device for. G. Liebender. 1,839,565; Jan. 5.
Looms, Feeler mechanism for. H. W. Thatcher. 1,865,699; Jun. 28.
Looms, Filling end controller for replenishing. H. H. Burdett. 1,883,532; Oct. 18.
Looms, Filling-feeler mechanism for. A. Hudson. 1,874,538; Aug. 30.
Looms, Filling retaining device for. A. Gosselin. 1,881,502; Oct. 11.
Looms, Float preventer for. L. E. Blackman. 1,857,836; May 10.
Looms for weaving, Warp stop motion for. A. M. M. Collon. 1,873,739; Aug. 23.
Looms, Harness cord for. S. O. Dodge. 1,871,308; Aug. 9.
Looms, Head motion for. J. H. Atwood and C. S. Proctor. 1,877,759; Sept. 20.
Looms, Head motion for. W. M. Wattie. 1,873,516; Aug. 23.
Looms, Knock-off mechanism for. W. E. Lundgren. 1,872,994; Aug. 23.
Looms, Let-off motion for. J. P. Casey. 1,855,599; Apr. 26.
Looms, Let-off mechanism for. V. Lindsjo. 1,865,119; June 28.
Looms, Loose reed stopping mechanism for. V. Lindsjo. 1,874,955; Aug. 30.
Looms, Lug member for. G. Slaughter. 1,879,558; Sept. 27.
Looms, Lug strap for. H. F. Livermore. 1,886,563; Nov. 8.
Looms, Needle motion for Axminster. W. W. Robertson. 1,873,038; Aug. 23.
Looms, Picker stick connection for. S. B. Walker. 1,884,425; Oct. 25.
Looms, Pirn for. E. Egli. 1,851,243; Mar. 29.
Looms, Pneumatic needle motion for Axminster. H. J. Wilson. 1,847,594; Mar. 1.
Looms, Positive let-back mechanism for. H. H. Burdett. 1,854,017; Apr. 12.
Looms, Protector mechanism for. B. W. Brown. 1,868,813; July 26.
Looms, Rocker-shaft bearing for. C. C. Shaw. 1,873,791; Aug. 23.
Looms, Selvage trimmer for. C. R. Kronoff. 1,872,979; Aug. 23.
Looms, Shedding mechanism for. F. W. Merrick. 1,850,328; Mar. 22.
Looms, Shedding mechanism for. F. W. Merrick. 1,851,719; Mar. 29.
Looms, Shedding mechanism for. S. A. Pierce. 1,857,474; May 10.
Looms, Shedding mechanism for. H. Stäbuli. 1,886,133; Nov. 1.
Looms, Shedding mechanism for jacquard. G. Haebler. 1,881,076; Oct. 4.
Looms, Stopping mechanism for. V. Lindsjo and L. M. Rogers. 1,856,306; Mar. 22.
Looms, Take-up device for. E. Mendoza and R. Sala. 1,843,829; Feb. 2.
Looms, Take-up for. W. E. Lundgren. 1,872,993; Aug. 23.
Looms, Temple thread cutter for filling replenishing. V. Lindsjo. 1,850,305; Mar. 22.
Looms, Thread cutting temple for. T. C. Wilson. 1,845,382; Feb. 16.
Looms, Thread parter for weft replenishing. O. V. Payne. 1,881,920; Oct. 11.
Looms, Tube frame control for Axminster. W. W. Robertson. 1,847,627; Mar. 1.
Looms, Tube frame for Axminster. W. H. Wakefield. 1,847,581; Mar. 1.
Looms, Warp let-off for narrow ware. E. R. Holmes. 1,852,052; Apr. 5.
Looms, Warp stop motion for. G. Adams. 1,840,802; Jan. 12.
Looms, Warp stop motion for. E. Egli. 1,892,333; Dec. 27.
Looms, Warp stop-motion for. T. C. Wagner. 1,873,043; Sept. 20.
Looms, Weft detecting mechanism for double shuttle. C. E. Brown. 1,873,182; Aug. 23.
Looms, Weft detecting mechanism for drop box. C. E. Brown. 1,873,108; Aug. 23.
Looms, Weft detecting mechanism for pick and pick. C. E. Brown. 1,873,183; Aug. 23.
Looms, Weft end controller for weft replenishing. O. V. Payne. 1,842,751; Jan. 26.
Looms, Weft feeler for automatic. E. Egli. 1,892,334; Dec. 27.
Looms, Weft needle or carrier for shuttleless. G. Tomkinson and E. J. Perry. 1,856,119; May 3.
Looms, Weft replenishing mechanism for. B. W. Brouwer. 1,853,073; Apr. 5.
Looms, Whip roll release for. C. D. Brown. 1,850,125; Mar. 22.
Looms, Whip roll release for. C. H. Draper and R. A. Kerstley. 1,850,300; Mar. 22.
Loop adjusting device. W. J. Spiro. 1,854,566; Apr. 19.
Loop cutter. C. G. Richardson. 1,850,488; Oct. 4.
Loop cutting device for pile forming machines. W. Myers. 1,844,435; Feb. 9.
Loop for connecting rods, Safety. B. Haskell. 1,841,600; Jan. 19.
Loop for fixtures, Split supporting. J. B. Glowacki. 1,873,385; Aug. 23.
Loop for supporting or fastening garments, Buttoning G. H. Francisco. 1,850,346; Mar. 22.
Loop inserting machine, Improved. J. W. Bamkin. 1,855,541; Apr. 26.
Loop regulating mechanism. K. R. Lieberknecht. 1,878,869; Sept. 20.
Loop selvage device. H. F. Shuford. 1,864,675; June 28.
Loop, Shielded. L. O. Marsteller. 1,877,346; Sept. 13.
Looper. R. W. Conant. 1,880,820; Oct. 4.
Looper-adjusting means for buttonhole sewing machines. F. A. Reece. 1,864,218; June 21.
Looping and tufting machine. C. A. Braudes. 1,855,175; Apr. 26.
Looping machine. E. E. Randall. 1,853,377; Apr. 12.
Looping machines, Thread severing mechanism for. P. D. Rodey. 1,847,537; Mar. 1.
Loose leaf device. C. A. Finley. 1,878,481; Sept. 20.
Loose play indicator. W. R. Edson. 1,888,454; Nov. 22.
Loss varying with energy level, Producing. L. C. Roberts. 1,875,156; Aug. 30.
Loud speaker. F. G. Andres. 1,861,105; May 31.
Loud speaker. T. Chinn. 1,869,663; Aug. 2.
Loud speaker. B. Jaquette and A. R. Mnehl. 1,864,809; June 28.
Loud speaker. B. A. Engholm. 1,891,404; Dec. 20.
Loud speaker. C. L. Farrand. 1,855,168; Apr. 19.
Loud speaker. P. B. Flanders and H. C. Harrison. 1,841,101; Jan. 12.
Loud speaker. J. S. High. 1,877,868; Sept. 20.
Loud speaker. H. C. Hoyt. 1,886,163; July 5.
Loud-speaker. F. A. Kolster and S. A. Sollie. 1,864,308; June 21.
Loud speaker. J. F. Minton. 1,855,582; Apr. 26.
Loud speaker. J. P. Minton. 1,861,222; May 31.
Loud speaker. W. R. Moore, jr. 1,876,466; Sept. 6.
Loud-speaker. W. Muench. 1,888,769; Nov. 22.
Loud speaker. G. W. Pierce. 1,882,401; Oct. 11.
Loud speaker. E. S. Pridham. 1,886,735; Nov. 8.
Loud speaker. H. J. Round. 1,867,177; July 12.
Loud speaker. S. Stokes. 1,845,768; Feb. 16.
Loudspeaker. A. A. Thomas. 1,885,308; Nov. 1.
Loud speaker. R. E. Thompson. 1,842,770; Jan. 26.
Loud speaker. L. D. Trefry. 1,877,085; Sept. 13.
Loud speaker. R. Vermeulen. 1,859,753; May 24.
Loud speaker. J. Weinberger and I. Wolff. 1,847,456; Mar. 1.
Loud speaker adapted for automobile use. J. D. Seabert. 1,844,802; Feb. 9.
Loud speaker apparatus and methods. R. A. Fessenden. 1,863,840; June 21.

Loudspeaker, Auditorium. I. Wolff, R. P. May, and A. Ringel. 1,866,831; July 12.
Loud-speaker apparatus. W. C. Bidwell and A. L. Cutler. 1,891,968; Dec. 27.
Loud-speaker construction. P. G. Andres and F. W. Temple. 1,871,107; Aug. 9.
Loud speaker construction. C. A. Mayer. 1,856,774; May 2.
Loud-speaker construction. J. B. Swallow. 1,873,360; Aug. 23.
Loud speaker diaphragm. A. I. Abrahams. 1,845,210; Feb. 16.
Loudspeaker, Electrostatic. A. A. Thomas. 1,850,855; Mar. 22.
Loud speaker element. E. S. Pridham. 1,848,433; Mar. 8.
Loud-speaker modulating mechanism. R. R. DuPuy. 1,875,429; Sept. 6.
Loud speaker, Portable. M. W. Scheldorf. 1,884,280; Oct. 25.
Loud speaker, Radiophone. A. A. W. Taylor. 1,884,375; Oct. 25.
Loud speaker unit. A. I. Abrahams. 1,888,442; Nov. 22.
Loud speaker with actuating systems of different types. G. Gruschke. 1,889,748; Dec. 6.
Loud-speakers, Making. B. A. Engholm. 1,872,261; Aug. 16.
Loudspeakers, Mechanical construction of. R. H. Langley. 1,886,031; Nov. 1.
Loud speaking reproducer. R. F. George. 1,877,294; Sept. 13.
Loupe attaching means. B. E. Swan. 1,853,785; Apr. 12.
Louver or damper device. J. M. Le Grand. 1,872,599; Aug. 16.
Low pressure signal. W. H. Brown. 1,872,068; Aug. 16.
Low rail joint recorder. W. M. Perry. 1,884,193; Oct. 25.
Low tide alarm. F. M. Roby. 1,872,563; Aug. 16.
Lowering and handling apparatus for burial vaults. C. L. Berg. 1,855,469; Apr. 26.
Lowering apparatus. G. H. W. Doose. 1,888,912; Nov. 22.
Lowering apparatus, Flexible. F. Pardee. 1,886,901; Nov. 8.
Lubricant. H. T. Bennett. 1,889,168; Nov. 29.
Lubricant. J. A. Burton. 1,857,235; May 10.
Lubricant. G. F. Gallagher. 1,857,501; May 10.
Lubricant. R. R. Rosenbaum. 1,860,622; May 31.
Lubricant. C. P. Teeple. 1,854,237; Apr. 19.
Lubricant. W. H. Woodford. 1,865,157; June 28.
Lubricant and making of the same. A. W. Burwell. 1,863,004; June 14.
Lubricant conducting means. C. B. Jahnke. 1,876,948; Sept. 13.
Lubricant containing cellulose acetate. C. J. Staud and J. T. Fuess. 1,866,732; July 12.
Lubricant dispensing apparatus. T. H. Herlihy. 1,866,106; July 5.
Lubricant dispensing device. E. W. Davis. 1,880,857; Oct. 4.
Lubricant distributor, Selective. R. D. Wearne. 1,867,483; July 12.
Lubricant, Feeding. F. C. Blanchard. 1,889,235; Nov. 29.
Lubricant flow check. J. E. Kummer. 1,878,408; Sept. 20.
Lubricant for bearings operating in heated atmosphere. J. F. Silhavy. 1,880,987; Oct. 4.
Lubricant, High temperature. H. H. Dow. 1,867,968; July 19.
Lubricant reservoir and dash pump. O. U. Zerk. 1,883,274; Oct. 18.
Lubricant tester. J. Heisenfeldt and H. Walsh. 1,860,105; July 5.
Lubricants, Drawing. E. W. Adams. 1,871,939; Aug. 16.
Lubricants, Emulsified fluid. A. L. Brown. 1,872,617; Aug. 16.
Lubricants, Plumbing. H. B. Sheppard. 1,862,164; June 7.
Lubricants, Preparing. E. H. Leslie. 1,860,838; May 31.
Lubricated structure. G. Stenzlemeir. 1,890,550; Dec. 13.
Lubricating apparatus. C. G. Butler. 1,851,926; Mar. 29.
Lubricating apparatus. G. Butler. 1,854,688; Apr. 19.
Lubricating apparatus. E. W. Davis. 1,880,853; Oct. 4.
Lubricating apparatus. E. W. Davis. 1,880,855; Oct. 4.
Lubricating apparatus. E. W. Davis. 1,882,651; Oct. 11.
Lubricating apparatus. C. A. Fiss. 1,881,429; Oct. 11.
Lubricating apparatus. W. Harrigan. 1,879,221; Sept. 27.
Lubricating apparatus. C. Harris and C. G. Butler. 1,870,195; Aug. 2.
Lubricating apparatus. S. D. Locke and C. R. Dosch. Re18,450; May 3.
Lubricating apparatus. S. D. Locke and C. R. Dosch. 1,847,434; Mar. 1.
Lubricating apparatus. N. W. Morse. 1,881,848; Oct. 11.
Lubricating apparatus. H. J. Murphy. 1,847,357; Mar. 1.
Lubricating apparatus. H. J. Murphy. 1,881,857; Oct. 11.
Lubricating apparatus. J. E. Otis, Jr. 1,852,058; Apr. 5.
Lubricating apparatus. C. W. Parker. 1,881,094; Oct. 4.
Lubricating apparatus. F. Wilkes. 1,857,992; May 10.
Lubricating apparatus. O. U. Zerk. 1,883,280; Oct. 18.
Lubricating apparatus. O. U. Zerk. 1,883,282–3; Oct. 18.
Lubricating apparatus, High pressure. A. D. Robbins. 1,881,096; Oct. 4.
Lubricating apparatus, Track. W. M. Gray. 1,847,871; Mar. 1.
Lubricating appliance. O. U. Zerk. 1,870,433; Aug. 9.
Lubricating composition containing sulphonates. A. E. Becker. 1,888,974; Nov. 29.
Lubricating composition for machining operations. P. E. Harth. 1,881,542; Oct. 11.
Lubricating compound. M. H. Arveson. 1,871,941; Aug. 16.
Lubricating compound from perforated sheet metal, Removing. W. J. Purser. 1,864,257; June 21.
Lubricating device. S. E. Bates. 1,839,190; Jan. 5.
Lubricating device. A. E. Craig and J. Brown. 1,840,934; Jan. 12.
Lubricating device. H. F. Cunning. 1,861,114; May 31.
Lubricating device. L. E. Gilliam. 1,877,848; Sept. 20.
Lubricating device. S. M. Jonsson. 1,874,541; Aug. 30.
Lubricating device. L. R. Kerns. 1,891,544; Dec. 20.
Lubricating device. W. T. Pritchard. 1,852,756; Apr. 5.
Lubricating device. W. F. Richards. 1,840,848; Jan. 12.
Lubricating device. W. H. Sommer. 1,861,146; May 31.
Lubricating device. G. Steiner. 1,880,334; Oct. 4.
Lubricating device. C. Van Tuyl. 1,856,300; May 3.
Lubricating device and the like. A. Bizzarri. 1,857,803; May 10.
Lubricating device, Central. O. Schneider. 1,875,181; Aug. 30.
Lubricating device, especially for motor driven vehicles, Central. H. Kreisler. 1,868,800; July 26.
Lubricating device for bearings on a shaft. C. A. Rupp. 1,868,118; July 19.
Lubricating device for clutch throw-out bearings, Positive. B. Leffler. 1,888,231; Nov. 22.
Lubricating device for friction bearings. H. Wilson and J. H. Thayer. 1,879,723; Sept. 27.
Lubricating device for internal combustion engines, Sight feed. B. N. Pierce. Des. 86,471; Mar. 8.
Lubricating device for internal combustion engines with inverted cylinders. J. Wilson. 1,889,290; Nov. 29.
Lubricating device for internal combustion engines. C. R. Waseige. 1,892,089; Dec. 27.
Lubricating device for motors. E. F. Guth. 1,845,084; Feb. 16.
Lubricating device for needles. W. H. Nown. 1,843,649; Feb. 2.
Lubricating device for pneumatic tools. F. B. Hamerly. 1,864,536; June 28.
Lubricating device for rails. T. Maney. 1,852,977; Apr. 5.
Lubricating device for valve stem bearings. C. J. McLeod. 1,842,555; Jan. 26.
Lubricating device, Rail. H. G. Becker. 1,864,000; June 21.
Lubricating device, Sewing machine thread. W. Myers. 1,856,882; May 3.
Lubricating high temperature equipment for cooking food. E. J. Bohnen. 1,877,491; Sept. 13.
Lubricating installation and apparatus. E. H. Kocher. 1,862,482; June 7.
Lubricating machinery, Means for. M. A. Kretchmar. 1,866,977; July 12.
Lubricating means. D. G. Adams. 1,871,399; Aug. 9.
Lubricating means. P. H. Bennett, A. W. Lyle, and M. Scanlen. 1,841,429; Jan. 19.
Lubricating means. E. J. Fish. 1,851,304; Mar. 29.
Lubricating means. O. U. Zerk. 1,882,053; Oct. 11.
Lubricating means and method. O. U. Zerk. 1,883,281; Oct. 18.
Lubricating means, Clutch. F. Johnson and E. G. Schubert. 1,856,189; May 3.
Lubricating means for a centrifugal liquid separator mechanism. J. McC. Edwards. 1,866,092; July 5.
Lubricating means for motor vehicle spring shackles. A. C. Menges. 1,845,405; Feb. 16.
Lubricating means for roller pulverizers and the like. A. H. Pritchard. 1,869,023; July 26.
Lubricating means, Transmission. T. L. Cowles. 1,850,340; Mar. 22.
Lubricating mechanism. T. Brady. 1,863,183; June 14.
Lubricating mechanism. C. C. Howenstine. 1,868,167; July 19.
Lubricating mechanism. M. B. Walker. 1,886,505; Nov. 8.
Lubricating mechanism for slicing machines. F. L. Van Weenen. 1,878,207; Sept. 20.
Lubricating, sealing, and thrust balancing means for compressors and the like. W. H. Carrier. 1,843,122; Feb. 2.
Lubricating shoe. A. Johnson. 1,852,579; Apr. 5.
Lubricating system. E. Adel. 1,856,063; May 3.
Lubricating system. J. Albertine. 1,847,884; Mar. 1.
Lubricating system. J. O. Almen. 1,844,454; Feb. 9.
Lubricating system. G. M. Barnes. 1,848,302; Mar. 8.
Lubricating system. H. Bowden. 1,850,523; Mar. 22.
Lubricating system. J. J. Boland. 1,885,222; Nov. 1.
Lubricating system. M. Boucher. 1,859,549; May 24.
Lubricating system. H. Chisholm. 1,879,086; Sept. 27.
Lubricating system. C. H. Cole. 1,860,731; May 31.
Lubricating system. D. Cole. 1,847,817; Mar. 1.
Lubricating system. H. D. Croft. 1,875,564; Sept. 6.
Lubricating system. R. M. Cutts. 1,877,124; Sept. 13.
Lubricating system. D. W. Davis and J. P. Laux. 1,891,972; Dec. 27.
Lubricating system. E. W. Davis. Re18,459; May 10.
Lubricating system. E. W. Davis. 1,880,852; Oct. 4.

Lubricating system. E. W. Davis. 1,880,856; Oct. 4.
Lubrication system. A. H. R. Fedden and L. F. G. Butler. 1,890,665; Mar. 22.
Lubricating system. H. A. Finke. 1,871,973; Aug. 16.
Lubricating system. G. E. A. Hallett. 1,872,279; Aug. 16.
Lubricating system. G. W. Hanson. 1,881,532; Oct. 11.
Lubricating system. E. S. MacPherson. 1,876,707; Sept. 13.
Lubricating system. C. W. Manzel. 1,891,647; Dec. 20.
Lubricating system. H. B. Moses. 1,886,067; Nov. 1.
Lubricating system. W. S. Pritchard. 1,876,343; Sept. 6.
Lubricating system. J. Reid. 1,871,201; Aug. 9.
Lubricating system. G. R. Siegrist. 1,877,076; Sept. 13.
Lubricating system. C. E. Summers. 1,862,724; June 14.
Lubricating system. A. Taub. 1,871,760; Aug. 16.
Lubricating system. A. F. Underwood. 1,872,365; Aug. 16.
Lubricating system. R. H. White. 1,858,533; May 17.
Lubricating system. V. P. Williams. 1,847,322; Mar. 1.
Lubricating system. L. R. Williamson. 1,885,500; Nov. 1.
Lubricating system. O. U. Zerk. 1,883,273; Oct. 18.
Lubricating system and apparatus. E. W. Davis. 1,880,854; Oct. 4.
Lubricating system and oil feed control therefor. P. G. Lenard. 1,856,029; Apr. 26.
Lubricating system and product. W. V. Kidder. 1,877,688; Sept. 13.
Lubricating system and products. W. V. Kidder. 1,879,874; Sept. 27.
Lubricating system, Centralized. C. F. Raisch. 1,881,945; Oct. 25.
Lubricating system, Chassis. B. M. Smarr. 1,848,082; Mar. 1.
Lubricating system for airplane engines, Dual. R. L. Meredith. 1,858,638; May 17.
Lubricating system for driers. S. A. Staege and E. E. Berry. 1,839,508; Jan. 5.
Lubricating system for procarbon engines and the like. C. A. Winslow. 1,892,443; Dec. 27.
Lubricating system for internal combustion engines. V. W. Simpson and E. N. Fiene. 1,883,110; Oct. 18.
Lubricating system for piston machines. F. Ackerman. 1,869,362; Aug. 2.
Lubricating system for piston machines. E. H. Steedman. 1,847,418; Mar. 1.
Lubricating system for piston machines. E. H. Steedman. 1,847,419; Mar. 1.
Lubricating system for roller mill rollers, Central. J. Crites. 1,877,823; Sept. 20.
Lubricating system for spinning machines. A. Grieb and N. Knaus. 1,888,799; Nov. 22.
Lubricating system for the power plant of an automobile. H. D. Church. 1,873,879; Sept. 20.
Lubricating system for washing machines. L. B. Green. 1,844,504; Feb. 9.
Lubricating system, etc., Force feed. I. Cowles. 1,867,613; July 19.
Lubricating system, Force feed. I. Cowles. 1,868,629; July 26.
Lubricating system, Force-feed. I. Cowles. 1,875,706; Sept. 6.
Lubricating system. Hydraulic. A. B. De Cosse. 1,878,116; Sept. 20.
Lubrication. T. E. Coleman. 1,862,255; June 7.
Lubrication. H. Ford. 1,875,718; Sept. 6.
Lubrication. H. H. Gilbert. 1,859,438; May 24.
Lubrication and protection for clay gun screw drives. A. F. Giese, jr. 1,852,565; Apr. 5.
Lubrication connecticator for motor vehicles, Automatic. F. X. Reisinger, jr. 1,891,335; Dec. 20.
Lubrication, Automatic. W. P. Hammond. 1,863,200; June 14.
Lubrication, Central. J. Bijur. 1,888,422; Nov. 22.
Lubrication, Chassis. J. Bijur. 1,888,970; Nov. 29.
Lubrication cooler for gas engines. O. D. Norman. 1,891,006; Dec. 13.
Lubrication control, Cylinder wall. C. E. Summers. 1,846,282; Feb. 23.
Lubricating device for the molds of monotype casting machines, Adjustable. F. Sandrinelli. 1,881,298; Oct. 4.
Lubrication, Engine. C. L. McCuen. 1,846,267; Feb. 23.
Lubrication for vehicles, Systems of. L. Salves. 1,874,809; Aug. 30.
Lubrication method and means. O. U. Zerk. 1,883,277; Oct. 18.
Lubrication of internal combustion engines, Upper cylinder. G. I. Innes. 1,844,764; Feb. 9.
Lubrication of plotte and hinge sections of pruning shears. G. F. Hickok. 1,857,048; May 3.
Lubrication of spindle beams of spinning and twisting machines. J. J. Keyser. 1,860,714; May 31.
Lubrication of textile fibers. G. Lecomte. 1,856,713; May 3.
Lubrication, Rocker arm. J. M. Crawford. 1,855,166; Apr. 19.
Lubrication system. A. A. Andrake. 1,892,031; Dec. 27.
Lubrication system for inverted motors. A. Nutt. 1,860,813; May 31.
Lubrication system for sleeve valve engines. W. S. Fisher. 1,888,971; Nov. 29.
Lubrication system, Sleeve valve engine. W. T. Hunt. 1,872,295; Aug. 16.
Lubrication system of Windmill. F. J. Haller and C. B. Molter. 1,839,549; Jan. 5.
Lubricator: *See*—
Flange and rail lubricator.
Flange lubricator.
Force feed lubricator.
Guide rail lubricator.
Hydrostatic lubricator.
Journal lubricator.
Latch lubricator.
Rail and flange lubricator.
Track lubricator.
Wheel flange lubricator.
Lubricator. F. S. Barks. 1,888,064; Nov. 15.
Lubricator. J. R. Battle. 1,891,632; Dec. 20.
Lubricator. C. G. Butler. 1,850,965; Mar. 22.
Lubricator. K. S. Clapp. 1,885,081; Oct. 25.
Lubricator. D. W. Davisson and F. G. Welke. 1,873,189; Aug. 23.
Lubricator. F. W. Edwards and F. B. Farnsworth. 1,881,353; Oct. 4.
Lubricator. F. W. Edwards and F. B. Farnsworth. 1,886,659; Nov. 8.
Lubricator. R. J. Gits. 1,855,516; Apr. 26.
Lubricator. R. J. Gits. 1,874,961; Aug. 30.
Lubricator. F. H. Gleason. 1,886,006; Nov. 1.
Lubricator. G. W. Hall. 1,891,195; June 21.
Lubricator. G. D. Hayden. 1,872,584; Aug. 16.
Lubricator. L. K. Hoss. 1,889,068; Nov. 29.
Lubricator. Y. Jinon. 1,878,687; Sept. 20.
Lubricator, Air line. A. G. Slatcher. 1,863,551; June 14.
Lubricator, Car journal. F. Radcliffe. 1,863,281; June 14.
Lubricator connecting means. G. F. Meier. 1,844,099; Feb. 9.
Lubricator coupling. R. J. Gray. 1,842,449; Jan. 26.
Lubricator for differential pinions. G. Skinner. 1,874,696; Aug. 30.
Lubricator for motor vehicles and the like. E. O. Gillam. 1,887,199; Nov. 8.
Lug and pouring spout, Lifting. E. E. Slick. 1,882,198; Oct. 11.
Lug strap. J. H. Chadbourne. 1,858,038; May 10.
Lug, Tiering. E. A. Powell. 1,875,141; Aug. 30.
Luggage carrier. B. M. Hamlin. 1,869,418; Aug. 2.
Luggage carrier. F. W. Marco. 1,872,993; Aug. 23.
Luggage carrier. E. H. Roberts. 1,889,204; May 24.
Luggage carrier. A. Tenhulzen, jr. 1,843,962; Feb. 9.
Luggage carrier. A. W. Van Devanter. 1,884,402; Oct. 25.
Luggage carrier, Concealable running board. M. Reingold. 1,850,032; Mar. 15.
Luggage, Hand. B. W. Hamlin. Re18,415; Apr. 5.
Luggage, Hand. E. J. Shoemaker. 1,878,989; Sept. 20.
Luggage, Hand. G. H. Wheary. 1,869,447; Aug. 2.
Luggage, Hand. H. Wheary. 1,883,440; Nov. 8.
Luggage rack. E. P. Gundry. 1,853,608; Apr. 12.
Lumber and similar material, Apparatus and method of processing and drying. H. W. Cowan. 1,887,581; Nov. 15.
Lumber elevator. G. L. Kjellander. 1,890,387; Dec. 6.
Lumber grade marking machine. J. G. McDonough. 1,863,229; June 14.
Lumber, Gypsum. C. F. Davis. 1,854,396; Apr. 19.
Lumber, Handling. R. Z. Drake. 1,863,087; June 14.
Lumber, Jointed. J. K. Gruner. 1,859,667; May 24.
Lumber mill, Portable. A. W. Pratt. 1,842,114; Jan. 19.
Lumber, Process and apparatus for drying. F. W. Rubin. 1,863,843; June 21.
Lumber, Process of and apparatus for the manufacture of synthetic. O. R. Sweeney. 1,846,406; Feb. 23.
Lumber, Process of and apparatus for trimming and marking. J. G. McDonough. 1,853,773; Apr. 12.
Lumber stamping device. G. Lunden. 1,886,564; Nov. 8.
Lumber trimming machine. H. H. Payzant. 1,881,954; Oct. 11.
Luminair. W. A. Dorey. 1,870,241; Aug. 9.
Luminair. S. English. 1,843,665; Feb. 2.
Luminair. A. Froget. 1,870,247; Aug. 9.
Luminair for corridors, etc. J. L. Stair. 1,863,703; June 21.
Luminescent tube lighting. L. L. Beck. 1,880,230; Oct. 4.
Luminosity, Apparatus for the comparison and measurement of. G. Bernheim. 1,849,607; Mar. 15.
Luminous compound and producing luminous objects therewith. H. Handt. 1,881,382; July 5.
Luminous device for dial telephones. C. E. Ford. 1,866,157; July 5.
Luminous tube. J. E. Gross. 1,879,740; Sept. 27.
Luminous tube. J. A. Otero. 1,849,469; Mar. 15.
Luminous tube. W. O. Prouty. 1,863,996; June 21.
Luminous tube, Electric incandescent. H. Hartman. 1,839,479; Jan. 5.
Luminous tube, Refractory. L. Hall. 1,858,497; May 17.
Lunch box. J. H. Devine. 1,858,294; May 17.
Lunch box. L. Gerhardt. 1,850,202; Mar. 22.
Lunch stand. L. H. Pierce. Des. 85,956; Jan. 5.
Lunch stand, Novelty. E. F. Brantferger. 1,861,405; May 31.
Lure attaching means. H. H. Hildebrandt. 1,867,555; July 19.
Lure for use in dog racing or coursing. A. Magee. 1,850,804; Mar. 22.
Luring machine. G. A. Dilas. 1,885,335; Nov. 1.
Lyo-phile products of fatty substances of any origin, Preparing. H. Sandqvist and T. O. H. Lindstrom. 1,884,274; Oct. 25.

Macaroni die. D. Maldari. 1,857,313; May 10.
Macaroni, Manufacturing. G. Tanzi. 1,859,416; May 24.
Machine. J. L. Hail. 1,879,211; Sept. 27.
Machine adjusting the timing of a fuse for a projectile. F. Johenning. 1,863,659; June 21.
Machine and blowing glass bottles and the like. C. R. Nixon. 1,850,470; Mar. 22.
Machine and method for assembling articles. J. S. Hardiman. 1,881,533; Oct. 11.
Machine and method for automatically fixing the hooks on the bands for zip fasteners. O. Amiet. 1,888,254; Nov. 22.
Machine and method for forming cores. F. C. Goodlin. 1,866,601; July 5.
Machine and method for making book matches. C. Gustavson, E. van Hoofstadt and L. Greenbaum. 1,870,955; Aug. 9.
Machine and method for making popcorn confections. H. W. Eakins. 1,879,928; Sept. 27.
Machine and method for manufacturing articles from viscous substances. D. H. Shapiro. 1,880,110; Sept. 27.
Machine and method for pressing cup-shaped members. H. O. Dailey. 1,844,500; Feb. 9.
Machine and method for treating cigars. P. Krucken. 1,847,769; Mar. 1.
Machine and method for use in shoemaking. R. C. Simmons. 1,871,922; Aug. 16.
Machine and process for coating fabric or cloth with porous paper pulp. L. E. Milkey. 1,854,414; Apr. 19.
Machine and process for generating gears. E. J. Lees. 1,863,571; June 21.
Machine and process for making corrugated boards. G. W. Swift, jr. 1,848,583; Mar. 8.
Machine and process for making laminated products. G. H. Bills. 1,879,737; Sept. 27.
Machine and process for making paper boxes or the like. P. Bergstein. 1,868,871; July 26.
Machine element. A. Estoll. 1,841,314; Mar. 1.
Machine element. R. W. Strout. 1,868,181; July 19.
Machine element, Dynamo electric. V. G. Apple. 1,843,589; Feb. 2.
Machine employed in manufacturing belts. W. H. Gerstenslager. 1,862,490; June 7.
Machine for affixing identification seals or tags. D. D. Levy. 1,845,184; Mar. 1.
Machine for analyzing and printing upon record cards. J. T. Schaaff. 1,882,984; Oct. 18.
Machine for and method of bunding packages. S. Pearce. 1,877,042; Sept. 13.
Machine for and method of building pneumatic tire flaps. D. D. Emiliani. 1,857,010; May 10.
Machine for and method of dyeing cloth and otherwise treating textiles. W. P. Cohoe. 1,867,210; July 12.
Machine for and method of embedding reinforcing wire in wax beehive foundations. C. F. Muth. 1,849,331; Mar. 15.
Machine for and method of operating on hides, skins, leather, and other similar pieces of work. G. A. Schettler. 1,865,542; July 5.
Machine for and method of operating upon shoes. H. F. Goyette. 1,851,006; Mar. 29.
Machine for and method of winding folded webs. N. Marcalum. 1,884,783; Oct. 25.
Machine for applying a layer of plastic material to articles, such as biscuits. H. H. Tunstall. 1,858,175; May 10.
Machine for applying a strip of tape to a piece of sheet material. H. L. Chapin. 1,884,568; Oct. 25.
Machine for applying collars to bottles. L. Myers. 1,875,110; Aug. 30.
Machine for applying decorative material. R. Larsen. 1,847,118; Mar. 1.
Machine for applying edging strips to cartons and the like. J. Schmiedel. 1,861,143; May 31.
Machine for applying labels to cylindrical cans or the like. A. H. Kyler. 1,853,063; Apr. 12.
Machine for applying metal caps to bottles. G. E. Simmons. 1,867,113; July 12.
Machine for applying sealing strips to cigarette containers. E. H. Jähne. 1,869,374; Aug. 2.
Machine for applying solder to keys for opening containers. A. L. Kronquest. 1,861,536; June 7.
Machine for applying strips to books. H. Sieb. 1,870,348; Aug. 9.
Machine for applying tape to sheet material. W. T. B. Roberts and H. H. Jackson. 1,882,039; Oct. 11.
Machine for applying tape to sheet units. L. K. Butler. 1,871,658; Aug. 16.
Machine for applying threaded bottle caps. A. I. Risser. 1,860,954; May 31.
Machine for applying tickets to merchandise. G. W. Henry, jr. 1,879,233; Sept. 27.
Machine for arc welding, Automatic. R. Sarazin. 1,866,675; July 12.
Machine for assembling and coating a multiplicity of articles. F. G. Purinton. 1,868,804; July 26.
Machine for assembling and heating dynamo electric machine elements. V. G. Apple. 1,843,592; Feb. 2.
Machine for assembling ladder parts. W. C. Uline. 1,842,850; Jan. 26.
Machine for assembling nuts and bolts. G. S. Smith. 1,840,797; Jan. 12.
Machine for assembling piston rings on pistons. J. Jessen, 1,852,613; Apr. 5.
Machine for attaching keys to can tops. H. Hermani. 1,884,683; Oct. 25.
Machine for attaching labels to bottles, glasses and the like. C. A. Christensen. 1,868,938; July 26.
Machine for automatically opening square-bottom paper bags. X. Dambacher. 1,886,376; Nov. 8.
Machine for automatically producing and assembling signatures. E. D. Rader. 1,882,895; Oct. 18.
Machine for automatically shaping stones and the like. W. Kosfeld. 1,849,626; Mar. 15.
Machine for automatically tamping underneath railway-sleepers during the finishing of the permanent way. R. Brosig. 1,861,655; June 7.
Machine for banding sheets. J. Magill. 1,842,185; Jan. 19.
Machine for bending metal tubes in the cold state. C. Mingori. 1,863,693; June 21.
Machine for blocking or shaping boots and shoes. K. S. Gimson. 1,850,389; Mar. 22.
Machine for breaking in shoes. P. J. Costigan. 1,848,697; Mar. 8.
Machine for building tire flaps. H. M. Brown. 1,857,998; May 10.
Machine for casting storage battery plates. J. N. Davis. 1,881,881; Jan. 19.
Machine for cementing belting. W. S. Griffith. 1,863,595; June 21.
Machine for cementing leather soles to shoes. H. Walther. 1,882,533; Oct. 11.
Machine for cementing leather taps on shoes. S. Muscarella. 1,856,965; May 3.
Machine for centering sugar bags on carrying belts. W. H. Hoodless. 1,843,281; Feb. 2.
Machine for chamfering heels of shoes. N. H. Knowlton. 1,854,263; Apr. 19.
Machine for cleaning carcasses of hogs. N. E. Wennberg. 1,885,161; Nov. 1.
Machine for closing containers. E. Craig. 1,889,193; Nov. 29.
Machine for closing filled bags. P. Gangler. 1,843,449; Feb. 2.
Machine for closing little bags. A. Rambold. 1,869,116; July 26.
Machine for coating a multiplicity of articles. F. G. Purinton. 1,868,850; July 26.
Machine for coating paper, fabric, or the like. T. H. L. Dixon. 1,892,484; Dec. 27.
Machine for coating cans. R. Becht. 1,854,245; Apr. 19.
Machine for coating strips of lumber. I. F. Dittmar. 1,868,050; July 19.
Machine for constructing concrete pipe. A. W. Schultz. 1,862,709; June 14.
Machine for constructing concrete pipe. A. W. Schultz. 1,891,731; Dec. 20.
Machine for continuous printing from tracings and the like. L. Petit. 1,876,741; Sept. 13.
Machine for copying documents and the like. A. H. Gledhill. 1,845,872; Feb. 16.
Machine for cracking and sorting nuts. B. Branda. 1,869,658; Aug. 2.
Machine for crushing coal, stone, and similar materials. H. Martinez and R. H. Kirk. 1,877,188; Sept. 13.
Machine for cutting bars, pipes, etc. M. H. Sussman. 1,859,319; May 24.
Machine for cutting double thread single point screws. J. A. Arenz. 1,866,286; July 5.
Machine for cutting double thread, single point screws. J. A. Arenz. 1,885,792; Nov. 1.
Machine for cutting flexible material. G. Coleman. 1,875,852; Sept. 6.
Machine for cutting friction elements. H. N. Smith. 1,883,025; Oct. 18.
Machine for cutting grain kernels from an ear of corn and cutting blades therefor. R. Covet. 1,889,057; Nov. 29.
Machine for cutting ice cream or other blocks. J. C. Swinney. 1,852,620; Apr. 5.
Machine for cutting magnetic circuit laminæ. O. A. Pearson. 1,841,909; Jan. 19.
Machine for cutting off pieces of material from a strip and carrying them forward. J. Schaub. 1,890,131; Dec. 6.
Machine for cutting off pipe and the like. C. L. Taylor. 1,883,039; Oct. 18.
Machine for cutting pile of weft-pile fabric. H. L. Byrd. 1,875,703; Sept. 6.
Machine for cutting rings. H. Gora. 1,864,903; June 28.
Machine for cutting spirally grooved cams. E. J. Gruenewald. 1,871,174; Aug. 9.
Machine for cutting the pile of weft-pile fabrics. E. Carmichael. 1,863,060; June 14.
Machine for cutting threads and cutting teeth in bodies. E. J. Lees. 1,863,570; June 21.
Machine for cutting type spacers. W. W. Morey. 1,844,820; Feb. 9.
Machine for dealing and shuffling playing cards. F. D. McCaddin. 1,850,114; Mar. 22.
Machine for delivering change for coins inserted therein. A. J. Hunt. 1,886,684; Nov. 8.
Machine for developing sensitized paper. K. Murck. 1,856,926; May 3.

Machine for digging up ground. M. Jaeger. 1,856,216; May 3.
Machine for disintegrating, mixing, and emulsifying materials. J. V. Weckbaugh. 1,839,513; Jan. 5.
Machine for disintegrating, mixing, and emulsifying materials. J. V. Weckbaugh and S. K. Nester. 1,863,515; June 14.
Machine for displaying books for sale. W. H. Young. 1,853,719; Apr. 12.
Machine for disposing of artichoke plants. A. Belli. 1,871,026; Aug. 9.
Machine for dividing and working dough. E. Bernlöhr. 1,864,401; June 21.
Machine for dividing and working dough. B. Regel. 1,839,633; Dec. 27.
Machine for dressing revolving grinding wheels. H. F. Atkins. 1,877,637; Sept. 13.
Machine for drying yarn or other textile materials in banks and loops. A. N. Marr. 1,872,777; Aug. 23.
Machine for dyeing textile materials in bundles. J. Annicq. 1,890,556; Dec. 13.
Machine for edging fabric sections. K. Maier. 1,884,033; Oct. 25.
Machine for engraving charts in wax. D. F. Shanks. 1,884,302; Oct. 25.
Machine for expanding ribbed metal lath. F. C. Arey. 1,852,636; Apr. 5.
Machine for extracting the juice of citrus fruits. C. E. Rogers. 1,871,860; Aug. 16.
Machine for extracting threads from woven fabrics. E. Franz. 1,886,582; Nov. 8.
Machine for extruding plastics. F. A. Parkhurst. 1,844,972; Feb. 16.
Machine for fabricating tubular metal structures. J. L. Adams, jr. 1,866,610; July 12.
Machine for fastening reeds without rivets on the sound plates of reed instruments. M. Weidlich. 1,860,758; May 31.
Machine for fastening with wire staples. F. Merz and A. E. Selinas. 1,880,327; Oct. 4.
Machine for feeding and collecting sheets of paper or the like. J. H. Elwell. 1,865,750; July 5.
Machine for feeding inserts. T. E. Lane. 1,855,638; Apr. 26.
Machine for feeding sheet material. W. H. Johnson. 1,887,649; Nov. 15.
Machine for feeding tapered rollers. T. C. Pew. 1,876,315; Sept. 6.
Machine for filling bottles and other vessels. H. V. Nielsen. 1,878,445; Sept. 20.
Machine for filling containers. R. N. Cundall. 1,872,686; Aug. 23.
Machine for finishing and tapping nut blanks. J. Mercadante and A. M. Thomson. 1,891,721; Dec. 20.
Machine for finishing articles of pottery-ware. J. E. Wright and G. A. Benline. 1,867,790; July 19.
Machine for finishing edges of strips of material. K. A. Weber. 1,850,432; Mar. 22.
Machine for finishing gears. E. W. Bullock, R. S. Condon, and E. Finsen. 1,881,999; Oct. 11.
Machine for flanging shoe uppers. H. Boothroyd. 1,880,737; Oct. 4.
Machine for flexing sheet abrasives. C. H. Derby. 1,854,021; Apr. 12.
Machine for forming and applying plastic gaskets to jar caps. M. G. Parks. 1,884,823; Oct. 25.
Machine for forming brake drums. R. W. Glasner and F. J. Rode. 1,849,080; Mar. 15.
Machine for forming cartons. W. A. Morris. 1,880,460; Oct. 4.
Machine for forming channels in pads. G. W. Mudd. 1,854,481; Apr. 19.
Machine for forming closure units for containers. H. A. Fink. 1,885,703; Nov. 1.
Machine for forming commutator rings. L. T. Frederick. 1,858,225; May 10.
Machine for forming composite can bodies. V. Hendrickson. 1,863,770; June 21.
Machine for forming glass articles. A. Kadow. 1,854,408; Apr. 19.
Machine for forming glass articles. A. Kadow and L. D. Soubier. 1,843,165; Feb. 2.
Machine for forming glass articles. J. E. McLaughlin. 1,852,196; Apr. 5.
Machine for forming hanks from threads of food paste. P. W. Funck. 1,844,152; Feb. 9.
Machine for forming holes in articles. H. E. Farmer. 1,876,650; Sept. 13.
Machine for forming hollow glass articles. A. Kadow and E. Allen. 1,879,689; Sept. 27.
Machine for forming hollow glassware. L. D. Soubier. 1,856,518; May 3.
Machine for forming hollow glassware. L. D. Soubier. 1,869,920; Aug. 2.
Machine for forming hollow glassware. L. D. Soubier. 1,875,827; Sept. 6.
Machine for forming ironing boards and the like, Automatic. J. R. Cameron. 1,839,196; Jan. 5.
Machine for forming metal bands. M. E. Widell. 1,886,941; Oct. 25.
Machine for forming perforated blanks. A. Novick. 1,865,947; July 5.
Machine for forming screw threads. A. Rodriguez. 1,843,580; Feb. 2.
Machine for forming seaming strips. G. E. Snow. 1,863,771; June 21.
Machine for forming the ends of paper tubes. T. Farro. 1,873,366; Aug. 23.
Machine for generating curved gear teeth. G. L. Bayley. 1,850,662; Apr. 26.
Machine for grading globular articles. O. S. Sells. 1,873,220; Aug. 23.
Machine for grinding cutters. E. Oyen. 1,849,849; Mar. 15.
Machine for grinding forage. M. H. Gately. 1,882,491; Oct. 11.
Machine for grinding the teeth of gear wheels and for other like purposes. J. W. Snarry. 1,841,852; Jan. 19.
Machine for grooving heels. L. J. Bazzoni. 1,871,873; Aug. 16.
Machine for handling butter prints. H. A. Morris. 1,861,160; May 31.
Machine for handling canned goods. C. B. Stretch. 1,883,078; Oct. 18.
Machine for handling fabric articles. L. F. Turnbull. 1,846,222; Feb. 23.
Machine for handling of superphosphate or the like. K. Warming. 1,847,543; Mar. 1.
Machine for harvesting headed vegetables. W. H. Anderson. 1,853,109; Apr. 12.
Machine for heat treating glass tubes and the like. C. E. BreMiller. 1,883,523; Oct. 18.
Machine for hermetically sealing packages. W. H. Carson. 1,862,881; June 14.
Machine for homogenizing liquids. H. Corblin. 1,848,606; Mar. 8.
Machine for hooking rugs and the like. E. E. Rice. 1,862,768; June 14.
Machine for illuminating, sorting and stamping eggs. W. Klügers. 1,873,111; Sept. 6.
Machine for inclosing metallic coiled springs. B. R. Schneider and K. Kaiser. 1,861,429; May 31.
Machine for indicating weight and functions of weight. R. Craig. 1,848,769; Mar. 8.
Machine for inserting circulars into containers. F. O. Lindgren. 1,849,238; Mar. 15.
Machine for inserting couplings in flexible hose. J. M. Callaway. 1,848,867; Mar. 8.
Machine for inserting edible filler into a roll or the like. L. D. Brown. 1,871,837; Aug. 16.
Machine for inserting elastic in knit fabric. K. Howie. 1,877,851; Aug. 13.
Machine for inserting eyelets in window shades and the like. C. N. Colpitts. 1,859,959; May 24.
Machine for inserting fastenings. F. C. Eastman. 1,869,194; Nov. 29.
Machine for inserting slips into packages. H. A. Morris. 1,881,845; Oct. 11.
Machine for internally threading sleeves. A. L. Wallace. 1,846,925; Feb. 23.
Machine for kneading, crushing and similar operations. B. Zettergren. 1,875,794; Sept. 6.
Machine for kneading dough, whipping and similar purposes. A. Aastrup. 1,867,243; July 12.
Machine for knitting elastic fabric. O. H. Walton. 1,880,304; Oct. 4.
Machine for knitting split fabric. J. and R. H. Lawson. 1,862,021; June 7.
Machine for labeling bottles and the like. C. H. Wild. 1,863,176; June 14.
Machine for lacing shoe uppers. H. E. Enslin. 1,881,177; Oct. 4.
Machine for lasting stitchdown shoes. B. T. Leveque. 1,864,510; June 21.
Machine for laying pipes in trenches. J. F. Robb. 1,877,975; Sept. 13.
Machine for lock-seaming sheets and strips. W. T. Deacon and H. F. Perkins. 1,878,622; Sept. 20.
Machine for making and filling packets. A. Day and W. H. Naylor. 1,868,048; July 19.
Machine for making and vending or dispensing toilet seat covers and the like. L. C. Doane. 1,844,884; Feb. 9.
Machine for making and vending or dispensing toilet seat covers and the like. W. Stahly. 1,840,266; Jan. 5.
Machine for making annular articles. G. F. Wikle. 1,876,375; Sept. 6.
Machine for making articles from molten material. F. H. Lobb. 1,878,942; Sept. 20.
Machine for making artificial stones. J. Solary. 1,865,287; June 28.
Machine for making battery separators. W. A. Timberman. 1,842,405; Jan. 26.
Machine for making belts. C. C. Gates. 1,885,708; Nov. 1.
Machine for making blanks for cardboard boxes. E. M. Holmer. 1,847,515; Mar. 1.
Machine for making bricks and the like. S. H. Markle. 1,839,324; Jan. 5.
Machine for making brushes. W. D. Lipps. 1,888,351; Nov. 22.
Machine for making brushes. W. D. Lipps. 1,888,352; Nov. 22.
Machine for making cap screw blanks. J. E. Pracny. 1,885,288; Nov. 1.
Machine for making cellophane bags. T. M. Royal. 1,851,648; Mar. 29.

Machine for making chains. P. Koenig. 1,878,860; Sept. 20.
Machine for making cigarettes. O. Lied. 1,867,852; July 19.
Machine for making coat hangers. W. J. Rehrig. 1,876,752; Sept. 13.
Machine for making concrete pipeş. A. Sapin. 1,880,360; Oct. 4.
Machine for making confections. H. W. Eakins. Des. 87,251; June 28.
Machine for making crates. G. D. Parker. 1,890,586; Dec. 13.
Machine for making convoluted structures of flexible material. V. T. Hoedtich. 1,888,197; Nov. 15.
Machine for making double-faced corrugated paper board. L. H. Schroeder and J. Wagner. 1,858,375; May 17.
Machine for making envelopes. E. Conti. 1,857,113; May 3.
Machine for making fiber reed. G. E. Nordstrom and J. Bullett. 1,862,387; June 7.
Machine for making glass articles. P. J. Messer. 1,854,753; Apr. 19.
Machine for making highly elastic resilient tubes. A. Dreyer. 1,882,182; Oct. 11.
Machine for making indented taper pins. W. Nöllenburg. 1,858,414; May 17.
Machine for making infusions of coffee and other material. H. A. Medin. 1,850,082; Mar. 22.
Machine for making liners for baskets and the like. I. Stern. 1,867,286; July 12.
Machine for making lollipops. V. O. Hermann. 1,879,234; Sept. 27.
Machine for making match packages. R. S. Pullen. 1,887,944; Nov. 15.
Machine for making metal wool. L. Peterson. 1,859,048; May 17.
Machine for making molded pulp articles. R. F. Martlin. 1,864,919; June 28.
Machine for making packages. A. G. Rose. 1,851,870; Mar. 29.
Machine for making paper, artificial leather, and the like, Continuous. G. Cucano. 1,839,741; Jan. 5.
Machine for making paper boxes. H. Carle. 1,861,952; June 7.
Machine for making paper boxes. H. J. Goss. 1,867,259; July 12.
Machine for making paper boxes or the like. S. Bergstein. 1,880,922; June 28.
Machine for making paper cups. V. E. Heywood and R. D. Hoaglund. 1,876,931; Sept. 13.
Machine for making parquetry blocks. G. G. Rhinevault. 1,859,633; May 24.
Machine for making pie shaped receptacles. G. T. Parr. 1,874,608; Aug. 30.
Machine for making pile fabrics. J. Hermann. 1,863,049; June 14.
Machine for making plating barrels. J. King. 1,885,522; Nov. 1.
Machine for making popcorn confections. H. W. Eakins. 1,879,927; Sept. 27.
Machine for making printing plates. H. Hamada. 1,886,182; Nov. 1.
Machine for making pulp articles. F. W. Staples. 1,883,052; Oct. 18.
Machine for making ribbed innersoles. J. V. Poole. 1,842,838; Jan. 26.
Machine for making sanitary napkins. E. J. O'Neill. 1,845,436; Feb. 16.
Machine for making sheet metal articles. A. S. Johnson and H. W. Neuhaus. 1,879,235; Sept. 27.
Machine for making slabs. C. G. Mortimer. 1,891,626; Dec. 20.
Machine for making spiral conveyers. J. L. Lane and A. H. Moore. 1,850,886; Mar. 22.
Machine for making spiral fin tubing. G. H. Pickhard. 1,854,203; Oct. 4.
Machine for making spiral springs. J. F. Gall. 1,851,540; Mar. 29.
Machine for making stick candy. L. J. Propper. 1,864,668; June 28.
Machine for making thick butt roofing, Method of and. C. R. MacDonald. 1,890,017; Dec. 6.
Machine for making transparent papers. E. M. Kratz. 1,862,541; June 14.
Machine for making tubes, Automatic. P. Witte. 1,886,459; Nov. 8.
Machine for making waves. C. W. Keller and A. F. Siferte. 1,871,215; Aug. 9.
Machine for making wax bottles. H. B. Landau. 1,875,031; Aug. 30.
Machine for making wirebound box blanks. D. G. Meikle and C. M. Paugh. 1,845,091; Feb. 16.
Machine for making wirebound box blanks. W. F. Van De Venter. 1,845,105; Feb. 16.
Machine for making wire clips. H. E. Frenette. 1,850,666; Mar. 22.
Machine for making wire splice clips. C. J. Keller. 1,853,062; Apr. 12.
Machine for manufacturing bolt blanks. W. Z. Lozier. 1,864,450; June 21.
Machine for manufacturing brake drums. H. Ford. 1,873,588; Aug. 23.
Machine for manufacturing hollow concrete bricks. V. C. Duff. 1,863,839; June 21.
Machine for manufacturing hollow glass bodies. P. Schoonenberg. 1,865,967; July 5.
Machine for manufacturing lead head nails. G. N. Williams. 1,874,678; Aug. 30.
Machine for manufacturing spherical bodies. J. F. Early. 1,880,916; Oct. 4.
Machine for manufacturing tubes. C. Taylor. 1,871,865; Aug. 16.
Machine for manufacturing thin rubber articles. F. L. Killian. 1,874,014; Aug. 30.
Machine for manufacturing twist drills. M. Okochi and M. Okoshi. 1,891,831; Dec. 20.
Machine for marking fur-bearing skins. A., R. and H. Sandler. 1,841,256; Jan. 12.
Machine for marking soap and the like. W. O. Armstrong and J. A. Mowers. 1,876,826; Sept. 13.
Machine for measuring taps. H. M. Allison and E. A. Walker. 1,854,242; Apr. 19.
Machine for measuring three fluted taps. H. M. Allison and E. A. Walker. 1,854,243; Apr. 19.
Machine for measuring two fluted taps. H. M. Allison and E. A. Walker. 1,854,244; Apr. 19.
Machine for mill cutting single point, double thread screws. J. A. Arenz. 1,867,995; July 19.
Machine for molding and pressing oil seed cakes or the like. A. Aarskog, K. Svendsen, and P. Ebel. 1,871,575; Aug. 16.
Machine for molding blocks. S. Berry. 1,882,205; Oct. 11.
Machine for molding butter and the like. W. Henry. 1,882,143; Oct. 11.
Machine for molding molten glass and the like. F. H. Lobb. 1,851,171; Apr. 5.
Machine for molding plastic materials. A. Hanns. 1,848,712; Mar. 8.
Machine for molding plastic substances. A. W. Sizer. 1,868,370; July 19.
Machine for opening cartons or trays. S. Bergstein. 1,868,873; July 26.
Machine for opening or breaking up cop-bottoms cotton or other waste or like fibrous materials. H. Wilkinson. 1,887,745; Nov. 15.
Machine for operating on lasts. E. A. Holmgren. 1,891,263; Dec. 20.
Machine for operating on soles. F. D. Kinney. 1,891,264; Dec. 20.
Machine for operating on shoes. A. F. Pym and W. E. Scarlett. 1,864,669; June 28.
Machine for operating on soles or other parts of shoes. F. E. Bertrand. 1,840,559; Jan. 12.
Machine for operating on stitchdown shoes. A. Bates. 1,861,653; June 7.
Machine for operating upon end portions of shoes. W. C. Baxter. 1,861,832; June 7.
Machine for operating upon heel blanks. R. F. Knight. 1,862,898; June 14.
Machine for operating upon heels. L. J. Bazzoni. 1,872,388; Aug. 16.
Machine for operating upon sheet material. A. A. Lawson. 1,889,992; Dec. 6.
Machine for operating upon hides, skins, and leather. E. J. S. Halvorsen. 1,881,627; Oct. 11.
Machine for operating upon lasts. L. E. Topham. 1,860,696; May 31.
Machine for operating upon sheet material. E. W. Stacey. 1,847,273; Mar. 1.
Machine for operating upon sheet material. E. E. Winkley. 1,884,947; Oct. 25.
Machine for operating upon shoes. L. J. Bazzoni. 1,864,791; June 28.
Machine for operating upon shoes. C. E. Hood. 1,865,009; June 28.
Machine for operating upon shoes. R. H. Lawson. 1,839,852; Jan. 5.
Machine for operating upon the toe portions of boots and shoes. R. E. Duplessis. 1,847,334; Mar. 1.
Machine for packaging pie plates and similar articles. B. R. Williamson. 1,871,765; Aug. 16.
Machine for packing articles into boxes. A. G. Rose. 1,886,122; Nov. 1.
Machine for packing matches. M. Paridon. 1,889,841; Dec. 6.
Machine for painting tires and the like. A. R. Krause and A. C. Hirsch. 1,876,967; Sept. 13.
Machine for perforating statistical cards. A. Thomas and G. Craig. 1,870,184; Aug. 2.
Machine for perforating transfer slips. H. R. Specht, now by marriage Hattie R. Ogg. 1,888,746; Nov. 22.
Machine for pickling sheets and the like. C. L. Taylor. 1,883,092; Oct. 18.
Machine for placing bands on various articles. L. E. Dix. 1,857,117; May 3.
Machine for placing ripping wires in can tops. J. D. Evans and A. K. Elton. 1,865,309; June 28.
Machine for plasticating materials. W. A. Gordon. 1,849,291–2; Mar. 15.
Machine for plating and embossing leather. G. A. Schettler. 1,856,139; May 3.
Machine for plating articles in mass. G. L. Kelley and C. L. Eksergian. 1,841,038; Jan. 12.
Machine for plucking birds. G. C. Bingham. 1,875,980; Sept. 6.
Machine for polishing or grinding cam tracks and like sinuous surfaces. J. G. Douglas. 1,867,213; July 12.

Machine for polishing the eyes of needles. W. Tivendale and J. Baxter. 1,884,390; Oct. 25.
Machine for popping corn. E. R. Knott. 1,868,578; July 26.
Machine for preparing mailable matter. J. B. and E. J. Finch, and W. S. Cox. 1,889,958; Dec. 6.
Machine for preparing metal for electric welding. J. R. Brueckner and W. H. Gibb. 1,862,107; June 7.
Machine for pressing fabrics. R. N. West. 1,868,184; July 19.
Machine for pressing garments. P. Danin. 1,874,463; Aug. 30.
Machine for printing addresses or other matter on forms or the like. J. Kreil. 1,876,969; Sept. 13.
Machine for printing labels. A. Antoine. 1,887,910; Nov. 15.
Machine for printing luminous dials. R. G. Fordyce and H. H. Talbot. 1,878,482; Sept. 20.
Machine for printing tickets, Portable. H. R. Setright. 1,868,027; July 19.
Machine for producing a connected series of heddles. H. D. Colman. 1,884,375; Oct. 25.
Machine for producing bolts, screws, and the like. L. S. Burbank. 1,892,445; Dec. 27.
Machine for producing cinematographic picture effects. L. Emerson. 1,853,264; Apr. 12.
Machine for producing coil wire structures. G. C. Burd and O. Bratz. 1,859,501; Dec. 27.
Machine for producing jambs for sash frames. C. A. Johnson. 1,843,604; Feb. 2.
Machine for producing self-igniting cigarettes. W. L. Drew. 1,868,350; July 19.
Machine for producing slits in type bars. H. Luce. 1,872,092; Aug. 23.
Machine for producing two-part boxes. J. Schmiedel. 1,888,808; Nov. 22.
Machine for providing laminated fibrous structures with offset edges. H. A. Cumfer. 1,862,256; June 7.
Machine for punching films. S. C. Volney. 1,891,251; Dec. 20.
Machine for pushing foundry molds out of their boxes. T. W. Bullock. 1,877,494; Sept. 13.
Machine for reaping papyrus. E. Druppel. 1,839,380; Jan. 5.
Machine for rebabbitting bearings. L. Stapf. 1,847,789; Mar. 1.
Machine for reclaiming worn brake drums. H. K. Shockey. 1,886,503; Nov. 8.
Machine for refacing rocker arms. R. M. Olmsted. 1,854,558; Apr. 19.
Machine for refining paper and pulp. L. H. Wessel and O. E. Person. 1,854,956; Apr. 19.
Machine for refining paper and pulp. L. H. Wessel and H. N. Booker. 1,874,676; Aug. 30.
Machine for reforming splice bars. E. Woodings. 1,884,476; Oct. 25.
Machine for relatively moving shoes and their lasts. A. F. Pym. 1,856,291; May 3.
Machine for re-looping the runs in stockings and other knitted fabrics. C. E. Mandelick. 1,867,579; July 19.
Machine for removing armature insulation. H. H. Eaton. 1,903,313; May 24.
Machine for removing heads and feet of fowl. L. E. Long. 1,890,394; Dec. 6.
Machine for removing skins from pork strips. W. H. Pruefer. 1,847,536; Mar. 1.
Machine for removing tin foil from bottles. E. Ermold. 1,871,678; Aug. 16.
Machine for repairing knitted fabrics. J. S. Pecker. 1,843,623-4; Feb. 2.
Machine for repairing knitted fabrics. J. S. Pecker. 1,845,514; Feb. 16.
Machine for repairing knitted fabrics. J. S. Pecker. 1,846,901; Feb. 23.
Machine for riveting spokes of vehicle wire wheels. W. N. Booth. 1,856,237; May 3.
Machine for road-making, Process and. A. E. Schutte. 1,856,748; May 3.
Machine for rolling and finishing leather. E. G. Wilson. 1,858,424; May 17.
Machine for rolling or piercing billets. W. R. Clark. 1,882,655; Oct. 18.
Machine for running in and burning crank shaft bearings. J. G. Collins. 1,856,465; May 3.
Machine for sawing piston rings. J. H. Hoern. 1,870,996; Aug. 9.
Machine for scutching, decorticating, and softening fibrous materials such as flax, hemp, jute, and ramie. M. Soenens. 1,861,986; June 7.
Machine for sealing letters. R. G. Whitlock. 1,850,575; Mar. 22.
Machine for securing wire fabric to gate frames. G. N. Williams. 1,847,155; Mar. 1.
Machine for seeding golf links, lawns, and the like. T. G. Plant. 1,853,079; Apr. 12.
Machine for separating ends of cable wires. C. J. Keller. 1,844,766; Feb. 9.
Machine for setting up cartons. M. Burger. Re18,547; July 26.
Machine for sewing belts, suspenders, garters, and the like. J. R. Whitehouse. 1,880,164; Sept. 27.
Machine for sewing velvet on to fabrics of any kind. F. Delplanque. 1,877,824; Sept. 20.
Machine for shaping and cutting butter or like materials. J. P. Aldrich and H. A. Morris. 1,848,405; Mar. 8.
Machine for shaping figures from fat- or butter-dough or other plastic material. A. C. A. Kalmeijer. 1,878,585; Sept. 20.
Machine for shaping metal tubes. E. J. Rivers. 1,888,807; Nov. 22.
Machine for shaping shoe parts. R. E. Duplessis. 1,891,259; Dec. 20.
Machine for shaping shoe uppers. A. Bates. 1,864,630; June 28.
Machine for shaping shoe uppers. J. Gouldbourn. 1,884,660; Oct. 25.
Machine for shaping shoe uppers. J. C. Jorgensen. 1,852,015; Apr. 5.
Machine for shaping the backs of unbound books. C. Schramm. 1,864,557; June 28.
Machine for shaping uppers over lasts. B. Jorgensen. 1,860,742; May 31.
Machine for shaping uppers over lasts. C. F. Pym. 1,856,292; May 3.
Machine for shaping uppers over lasts. W. T. B. Roberts. 1,889,265; Nov. 29.
Machine for shaping uppers over lasts. C. A. Robinson. 1,859,471; May 24.
Machine for sharpening cutters. E. W. Bullock and R. Webster. 1,862,407; June 14.
Machine for sharpening disks and the like. C. D. Wright. 1,886,859; Nov. 8.
Machine for sharpening mowing machine cutters. J. Nobs. 1,886,717; Nov. 8.
Machine for sharpening of saws. L. Laurent. 1,874,315; Aug. 30.
Machine for sharpening pencils. F. Ludwig. 1,887,843; Nov. 15.
Machine for sharpening saw teeth. L. M. Loftin. 1,847,775; Feb. 9.
Machine for shearing metal and other sheets. J. Achard. 1,842,229; Jan. 19.
Machine for shredding date fruit. J. H. Northrop. 1,859,458; May 24.
Machine for simultaneously flanging and double seaming the ends of metal containers. C. J. Rhodes. 1,853,881; Apr. 12.
Machine for slicing an entire loaf of bread at a single operation. O. F. Rohwedder. 1,867,377; July 12.
Machine for smoothing and re-smoothing ingot molds and other hollow articles. H. Henry. 1,847,005; Feb. 23.
Machine for smoothing the edges of phonograph records. N. E. March. 1,885,848; Nov. 1.
Machine for soaping heavy woolen fabrics. G. Woelfel. 1,861,127; July 12.
Machine for soldering nozzles to can bodies. J. Coyle and W. Plumb. 1,885,992; Nov. 1.
Machine for soldering side seams of can bodies. J. J. Engelman. 1,864,419; June 21.
Machine for soldering wafer thermostats. J. W. Myers. 1,860,048; May 24.
Machine for sorting and counting paper money. A. A. Lard. 1,839,973; Jan. 5.
Machine for sorting, counting, and packing coins. S. Thiger. 1,852,106; Apr. 5.
Machine for spark plug manufacture. H. Rabezzana. 1,848,905; Mar. 8.
Machine for spinning artificial silk. G. Bauriedel and A. Hartmann. 1,880,068; Sept. 27.
Machine for spinning rayon. C. Haase. 1,877,397; Sept. 13.
Machine for splicing cables. P. Enfinger and W. Quante. 1,885,902; Nov. 1.
Machine for stacking lozenges. A. W. Kath and B. W. Scott. 1,852,657; Apr. 5.
Machine for staining paper strips. W. E. Sackner. 1,886,428; Nov. 8.
Machine for stitching wire fabrics. J. P. Wels. 1,883,177; Oct. 18.
Machine for straightening machine parts. L. Sircoulomb. 1,869,225; July 26.
Machine for straightening metal bars. H. M. Givens. 1,890,287; Dec. 6.
Machine for straightening round stock. A. P. Diescher. 1,861,174; June 7.
Machine for supplying gum strips to beads. J. A. Shively. 1,890,952; Dec. 13.
Machine for supplying paper cups to baking pans and the like. C. G. Steffen. 1,846,227; Feb. 23.
Machine for surfacing the rubbing blocks of the circuit breaker levers of ignition timers. L. C. Shippy and R. W. Baker. 1,884,309; Oct. 25.
Machine for testing belts. W. H. Gerstenslager. 1,875,439; Sept. 6.
Machine for testing filled and sealed cans and containers. E. K. Malmquist. 1,869,067; July 26.
Machine for testing hobs, worms and the like. C. G. Olson. 1,840,270; Feb. 23.
Machine for testing internal thread in valve stems. L. C. Broecker. 1,880,405; Oct. 4.
Machine for testing plastics. C. H. Desautels. 1,846,048; Feb. 23.
Machine for testing the strength of materials. A. H. Emery, jr. 1,848,468; Mar. 8.
Machine for the drawing of glass into tubes or rods. R. Salomon. 1,868,397; July 19.

Machine for the manufacture of batts. E. T. Wuest. 1,876,194; Sept. 6.
Machine for the manufacture of curled bendings at the longitudinal edges of metallic strips. B. Negrini. 1,841,758; Jan. 19.
Machine for the manufacture of glass articles. S. Hunt. 1,853,276; Apr. 12.
Machine for the manufacture of hollow blown glass articles. R. Hall. 1,862,264; June 7.
Machine for the manufacturing of knotted carpets and the like. F. Huebner. 1,890,783; Dec. 13.
Machine for the manufacture of loosely folded envelopes. A. Wiesner and M. Dunnebier. 1,842,926; Jan. 26.
Machine for the manufacture of match boxes. L. Henninger. 1,877,239; Sept. 13.
Machine for the manufacture of paper articles. A. Hudson. 1,852,576; Apr. 5.
Machine for the manufacture of reenforced concrete pillars, high pressure tubes and the like. J. Skorkovsky. 1,859,395; July 19.
Machine for the manufacture of templates. K. Wollny. 1,879,835; Sept. 27.
Machine for the manufacture of wire netting with hexagonal meshes of variable width. R. Casablancos. 1,868,968; July 26.
Machine for the production of expanded metal. H. A. Kessler. 1,864,598; June 28.
Machine for the production of knitted fabrics. R. K. Mills. 1,844,781; Feb. 9.
Machine for the production of split rings. B. Forster. 1,856,953; May 3.
Machine for the retail marketing of block cheese and the like. D. J. Bradshaw. 1,864,404; June 21.
Machine for the scutching, opening, and like treatment of cotton and like fibrous materials. F. Quina and L. Wild. 1,886,044; Nov. 1.
Machine for the spherical grinding of billiard balls and other balls. H. Schmidt. 1,870,571; Aug. 9.
Machine for the wet treatment of fabrics. E. Rudl. 1,847,499; Mar. 1.
Machine for threading bolts and the like objects. H. C. Ellison. 1,864,235; June 21.
Machine for transplanting edible grain plants. L. Marangoni. 1,865,123; June 28.
Machine for twisting. F. J. Murphy. 1,882,439; Oct. 11.
Machine for treating hides, skins, and leathers. M. M. Merritt. 1,878,420; Sept. 20.
Machine for treating paper board and process. A. Abrams. 1,885,167; Nov. 1.
Machine for treating peanuts. H. P. Vannah and S. W. Houser. 1,847,318; Mar. 1.
Machine for treating pyraline envelope blanks. C. J. Gutberlet. 1,877,519; Sept. 13.
Machine for trimming bearings or the like. P. J. Fobert and A. J. Ducharme. 1,876,900; Sept. 13.
Machine for unbinding cement. A. K. Frederick. 1,869,679; Aug. 2.
Machine for use in covering heels. L. J. Bazzoni. 1,871,874; Aug. 23.
Machine for use in determining the longitude and latitude and direction of flight of an observer. G. M. Hayes. 1,877,459; Sept. 13.
Machine for use in forming heel seats on boot and shoe soles. C. M. Bagshaw and W. Wardle. 1,856,057; Apr. 26.
Machine for use in making boxes. K. W. Reed. 1,889,181; Nov. 29.
Machine for use in making rubber shoes. F. D. Kinney. 1,881,670; Oct. 11.
Machine for use in the manufacture of covered heels. W. H. Nutt. 1,872,324; Aug. 16.
Machine for use in the manufacture of shoes. F. C. Eastman. 1,882,416; Oct. 11.
Machine for use in the manufacture of shoes. A. Eppler. 1,843,974; Feb. 9.
Machine for use in the manufacture of shoes. A. Eppler. 1,890,644; Dec. 13.
Machine for use in the manufacture of shoes. R. H. Lawson. 1,854,590; Apr. 19.
Machine for vertically coating continuous strips of roofing material. Method of and. F. C. Overbury. 1,890,018; Dec. 6.
Machine for washing ball bearings. G. O. Hodge. 1,878,277; Sept. 20.
Machine for washing bottles. F. D. Gatchell. 1,877,843; Sept. 20.
Machine for washing, dyeing, or the like treatment. M. Dassonville. 1,843,598; Feb. 2.
Machine for washing vegetables. E. E. Edenharder. 1,837,111; Dec. 22.
Machine for wearing in journal bearings. J. J. Herlihy. 1,839,221; Jan. 5.
Machine for weighing and grading eggs. W. Frost. 1,891,807; Dec. 20.
Machine for welding. J. W. Meadowcroft. 1,861,971; June 7.
Machine for welding tubular objects. C. G. L. Sjölander. 1,857,338; May 10.
Machine for winding cloth, etc., on cloth boards. F. M. Bacon. 1,857,037; May 3.
Machine for winding coils. O. A. Pearson. 1,884,184; Oct. 25.
Machine for working glass. E. Boirant. 1,873,788; Aug. 23.
Machine for working liquid, pulverulent, and granular masses. H. Horn. 1,853,040; Mar. 22.
Machine for working the heel-seats of shoes, boots, and the like. M. Grune. 1,840,444; Jan. 12.
Machine for wrapping a band of material around an object. O. Thiry. 1,851,877; Mar. 29.
Machine for wrapping and tying cylindrical bodies. A. Schlaepfer. 1,861,006; May 31.
Machine for wrapping pipes. D. Finley. 1,876,051; Sept. 13.
Machine gun toy pistol. R. A. Frisbie. 1,881,456; Oct. 11.
Machine heating by induction, Automatic. P. Viry. 1,891,699; Dec. 20.
Machine or device for applying labels to cylindrical articles. A. Farr. 1,851,125; Oct. 4.
Machine or pump, Rotary. D. E. Appel. 1,853,394; Apr. 12.
Machine pad, Clothes pressing. C. R. Heighes. 1,839,553; Jan. 5.
Machine parts or elements, Apparatus for finishing. F. J. Sikrovsky. 1,856,403; May 3.
Machine regulating means. B. Schuchmann. 1,839,416; Jan. 5.
Machine stoppers, Automatic device for operating. F. Philip. 1,850,084; Mar. 22.
Machine to serve ice cream. W. F. Curtis. 1,866,842; July 12.
Machine tool dead center. C. F. Marquis. 1,891,102; Dec. 13.
Machine unit. Motor operated. H. R. Van Deventer. 1,867,710; July 19.
Machinery for making biscuits and like baked products. H. Byrnes. 1,868,058; July 19.
Machinery for making fishbooks, Automatic. M. Topp. 1,892,120; Dec. 27.
Machinery for making receptacles. W. F. Newhouse. 1,848,431; Mar. 8.
Machinery for making welded pipe. L. Cammen. 1,878,376; Sept. 20.
Machinery for sealing electrical coils. E. Snyder. 1,877,484; Sept. 13.
Machinery for winding a strand such as the thread of elastic india rubber cloth in the manufacture of the core of a golf ball. C. Macbeth. 1,846,342; Feb. 23.
Machinery, Load equalizing. H. Sinclair. 1,855,032; Apr. 19.
Machinery, System for lubricating. J. C. Handy. 1,870,809; Aug. 9.
Machines, Apparatus for the automatic operation of. N. E. Rambush. 1,878,888; Sept. 20.
Machines for coiling metal, Attachment for. M. Nigro. 1,893,064; June 13.
Machines for making backings for artificial teeth. D. E. Evans. 1,840,839; Jan. 12.
Machines for treating shoe stiffeners. L. P. Mellerio. 1,884,800; Oct. 25.
Machining apparatus. O. R. Briney. 1,890,146; Dec. 6.
Machining device. O. R. Briney. 1,842,579; Jan. 26.
Machining device, Chuckless and centerless. O. R. Briney. 1,858,235; May 17.
Machining method. O. R. Briney. 1,845,122; Feb. 16.
Machinist's instrument. J. A. Huber. 1,849,575; Mar. 15.
Magazine, Film. K. P. Gamble. 1,878,693; Sept. 20.
Magazine, Film. F. H. Owens. 1,863,466; June 14.
Magazine for automatic shot guns. J. L. Frank. 1,874,952; Aug. 30.
Magazine for blank forming machinery. A. Novick. 1,852,722; Apr. 5.
Magazine for machines for packaging cigarettes and other staff-shaped articles. G. Örström. 1,851,922; Mar. 29.
Magazine for moving picture reels and the like. C. W. Hatke. 1,846,591; Feb. 23.
Magazine, Mail. J. Q. Finfrock. 1,866,847; July 12.
Magazine, Motion picture camera and film. F. H. Owens. 1,881,903; Oct. 11.
Magazine of typographical line composing machines. W. E. Aynge. 1,860,882; May 31.
Magazine rack. O. Anderson. Des. 88,494; Dec. 6.
Magazine rack. F. A. Wyatt. 1,847,042; Feb. 23.
Magazine reel. J. E. Rust. 1,867,764; July 19.
Magazine, Stock. A. and E. Kluge. 1,877,892; Sept. 20.
Magazine, Storage. G. B. Porter. 1,882,880; Oct. 18.
Magazine type of drilling tool. E. H. Heddy. 1,879,226; Sept. 27.
Magazine, Typographical. J. W. and A. Shields. 1,856,515; May 3.
Magazines, Color slide control for multicolor. A. A. Gordon. 1,832,077; Nov. 17.
Magazining device. C. E. Nelson. 1,881,868; Oct. 11.
Magnesia cement composition. L. C. Stewart. 1,853,521–2; Apr. 12.
Magnesia cement composition. L. C. Stewart. 1,863,528; June 14.
Magnesia containing iron, Production of fritted. F. Crotogino. 1,880,315; Oct. 4.
Magnesia from dolomite, Extracting. A. Brosche. 1,863,966; June 21.
Magnesia process and magnesium values recovery. H. W. Greider. 1,864,063; June 21.
Magnesium alloy. J. P. Wetherill, 3d. 1,880,614; Oct. 4.

Magnesium ammonium phosphate, Producing. O. Kaselitz. 1,881,195; Oct. 4.
Magnesium and calcium chlorides, Separating. W. R. Collings. 1,843,760; Feb. 2.
Magnesium and product obtained thereby, Treating. J. A. Green and W. H. Gross. 1,888,457; Nov. 22.
Magnesium base alloy. R. T. Wood and H. H. Block. 1,850,612; Mar. 22.
Magnesium base alloy. R. T. Wood. 1,850,613; Mar. 22.
Magnesium chloride and making same, Flake. A. K. Smith. 1,871,428; Aug. 9.
Magnesium chloride, Dehydrating. E. O. Barstow and S. B. Heath. 1,874,735; Aug. 30.
Magnesium chloride, Dehydration of. A. K. Smith and W. K. Veazey. 1,874,373; Aug. 30.
Magnesium chloride from a basic chloride thereof, Preparing. A. K. Smith. 1,880,505; Oct. 4.
Magnesium chloride from magnesium oxychloride cement mixtures, Preparing anhydrous. E. O. Barstow. 1,865,228; June 28.
Magnesium chloride, Making anhydrous. K. Staib. 1,876,084–5; Sept. 6.
Magnesium chloride, Preparing partially dehydrated. S. B. Heath. 1,861,796; June 7.
Magnesium chloride, Preparing partially dehydrated. S. B. Heath. 1,871,435; Aug. 9.
Magnesium, Fabricating. J. E. Hoy. 1,878,240; Sept. 20.
Magnesium hydrate tablets and making the same. W. C. McGowan. 1,889,366; Nov. 29.
Magnesium, Making metallic. S. B. Heath. 1,863,221; June 14.
Magnesium, Making metallic. R. M. Hunter and S. B. Heath. 1,861,799; June 7.
Magnesium, Manufacture of. A. G. Jessup. 1,866,975; July 12.
Magnesium metal by electrolysis, Producing. G. Pistor, R. Suchy, K. Staib, and W. Moschel. 1,875,760; Sept. 6.
Magnesium oxide mixtures and making the same. H. S. Lukens. 1,861,294; Oct. 4.
Magnesium, Production of metallic. F. Hansgirg. 1,884,993; Oct. 25.
Magnesium sulphate, Making. A. W. Winston and I. A. Kenga. 1,865,224; June 28.
Magnesium titanate, Making. S. J. Lubowsky. 1,843,427; Feb. 2.
Magnet. P. L. Jensen. 1,852,415; Apr. 5.
Magnet core. P. N. Roseby. 1,850,181; Mar. 22.
Magnet core. P. N. Roseby. 1,878,713; Sept. 20.
Magnet, Iron clad relay. V. M.-L. de Paniagua. 1,863,436; June 14.
Magnet, Permanent. G. D. L. Horsburgh and H. S. LeVan. 1,875,004; Aug. 30.
Magnet reperforator, Single. E. E. Kleinschmidt. 1,884,743; Oct. 25.
Magnet winding. T. Buchhold. 1,852,232; Apr. 5.
Magnet structure, Meter. G. Reime and G. Hofmann. 1,843,518; Feb. 2.
Magnet supporting device. J. C. McCune. 1,879,702; Sept. 27.
Magnet system for converting electric oscillations into acoustic ones or conversely. R. Vermeulen. 1,876,113; Sept. 6.
Magnet unit. H. Sachs. 1,870,735; Aug. 9.
Magnetic clips and making the same. W. E. Ruder. 1,862,365; June 7.
Magnetic and radioelectric goniometry. L. Levy. 1,844,850; Feb. 9.
Magnetic axle puller. J. D. Hopkins. 1,857,049; May 3.
Magnetic bodies, Insulating. H. Lathrop. 1,857,201; May 10.
Magnetic bodies, Insulating. C. D. Owens. 1,853,924; Apr. 12.
Magnetic bodies, Producing. G. W. Elmen. 1,840,352; Jan. 12.
Magnetic brake. C. J. Ellis. 1,866,552; July 12.
Magnetic brake. H. Remde. 1,884,883; Oct. 25.
Magnetic compositions containing principally iron and cobalt, Workable. J. H. White and C. V. Wahl. 1,862,559; June 14.
Magnetic control system. W. B. Cooley. 1,861,687; June 7.
Magnetic device. G. H. Bougon. 1,859,764; May 24.
Magnetic device. E. S. Fridham. 1,876,164; Sept. 6.
Magnetic grinding machine. F. L. Putnam and F. D. Morse. 1,844,073; Feb. 9.
Magnetic induction machine. E. White. 1,890,104; Dec. 6.
Magnetic material. P. P. Cioffi. 1,866,924–5; July 12.
Magnetic material. G. W. Elmen. 1,864,054; June 21.
Magnetic material. W. E. Ruder. 1,862,357; June 7.
Magnetic material and magnet core, J. W. Andrews and H. Hall. 1,845,312; Feb. 16.
Magnetic material and producing same. J. B. Seastone. 1,869,025; July 26.
Magnetic material, making the same, and articles made therefrom. C. C. Nelzbho's. 1,866,123; July 5.
Magnetic material, Manufacture of. G. Lawton and W. H. Dearden. 1,891,235; Dec. 20.
Magnetic material, Producing low core loss. R. E. Reno, Jr. 1,869,078; July 26.
Magnetic materials, Producing. C. P. Beath and H. M. E. Heinicke. 1,859,067; May 17.
Magnetic materials, Producing. H. M. E. Heinicke. 1,859,087; May 17.
Magnetic motor. W. E. Masterson. 1,872,313; Aug. 16.
Magnetic motor. H. L. Worthington. 1,859,643; May 24.
Magnetic properties of materials, Apparatus for determining. B. J. Babbitt. 1,855,949; Apr. 26.
Magnetic separator. W. C. Buttron. 1,889,349; Nov. 29.
Magnetic separator. F. Harris. 1,885,717; Nov. 1.
Magnetic servo brake. V. Rendix. 1,853,295; Apr. 12.
Magnetic servo brake, Manual. V. G. Apple. 1,867,645; July 19.
Magnetic slip-clutch and winding mechanism. F. Honig. 1,862,267; June 7.
Magnetic structure. H. Lathrop. 1,881,711; Oct. 11.
Magnetic treatment of iron ores. W. Luyken. 1,865,869; July 5.
Magnetically operated apparatus. J. N. Morris and M. D. Scott. 1,891,568; Dec. 20.
Magneto. G. J. Lang and J. F. Martin. 1,890,518; Dec. 13.
Magneto. T. G. Louis. 1,858,404; May 17.
Magneto. J. F. Martin. 1,887,320; Nov. 8.
Magneto. W. E. Schwarzman. 1,890,305; Dec. 6.
Magneto. W. E. Schwarzman. 1,890,306; Dec. 6.
Magneto and like starting coupling. F. C. Russell and J. H. Bradbury. 1,843,787; Feb. 2.
Magneto-electric generator. H. G. Cox. 1,848,321; Mar. 8.
Magneto electric generator. L. S. Dunham and A. F. Robertson. 1,887,624; Nov. 15.
Magneto, Flywheel. L. Beeh and W. E. Schwarzmann. 1,890,898; Dec. 13.
Magneto, Ignition. G. Fossati. 1,844,218; Feb. 9.
Magneto, Ignition. G. Fossati. 1,887,644; Nov. 8.
Magneto, Ignition. B. A. Quintavalle. 1,844,296; Feb. 9.
Magneto interrupter. W. E. Schwarzman. 1,887,522; Nov. 15.
Magnetometer. F. Rieber. 1,863,415; June 14.
Magneto-optical device. L. A. Dorff and G. Sandalls, jr. 1,866,831; July 12.
Magneto rotor. C. F. Reis. 1,853,779; Apr. 12.
Magneto, Vertical. C. F. Reis. 1,860,749; May 31.
Magnetos, Collector ring for. I. Q. Gurnee. 1,860,026; May 24.
Magnetron apparatus, High frequency. E. D. McArthur. 1,860,152; May 24.
Magnification with a four electrode valve and circuits therefor, Producing. E. W. B. Gill. 1,861,231; May 31.
Magnifier attachment, Folding. G. T. Schroder. 1,887,747; Nov. 8.
Mail and other matter from aeroplanes while in motion, Delivery of. H. F. Stilwell. 1,841,766; Jan. 19.
Mail and the like, Method and apparatus for sorting and distributing. R. Hill. 1,851,958; Mar. 29.
Mail box. A. Coleman. 1,848,995; Mar. 8.
Mail box. C. Foti. 1,842,597; Jan. 26.
Mail box. J. R. Graham. 1,877,473; Sept. 13.
Mail box. C. Mooney. Des. 86,799; Apr. 19.
Mail box. F. J. Otis. Des. 86,048; Jan. 19.
Mail box. I. R. Wenner. 1,891,487; Dec. 20.
Mail box stand, Rural. S. C. Shultz. 1,848,387; Mar. 8.
Mail carrier rack. B. Shaw. 1,852,195; Apr. 5.
Mail distributing apparatus. J. J. M. L. Marchand and J. C. Andriessen. 1,856,165; May 3.
Mail distributing machine. H. H. and J. Miller. 1,868,243; July 19.
Mail exchange, Aerial. L. C. Ashley. 1,873,917; Aug. 23.
Mail exchange, Air. R. Haybeck. 1,860,359; May 31.
Mail exchange device, Air. L. L. Lundgren. 1,856,490; May 3.
Mail, Handling metered permit. R. G. Whitlock. 1,879,965; Sept. 27.
Mail handling or transfer apparatus. G. W. and G. M. Lange. 1,844,363; Feb. 9.
Mail-sealing, -marking, -metering, and addressing machine. Combined. J. F. Pacher and L. J. Zahn. 1,884,175; Oct. 25.
Mail stamping machine and the like. W. Friedrichs. 1,871,506; Aug. 16.
Mailing machines, Attachment for. O. F. Carpenter. Re18,505; June 28.
Maize header. G. E. Ewbank. 1,866,020; July 5.
Make-up applicator. A. M. Framke. 1,888,314; Nov. 22.
Malachite green, Production of. L. P. Kyrides. 1,878,530; Sept. 20.
Malonic ester, Substituted. H. A. Shonle. 1,842,293; Jan. 19.
Manacle. N. S. Hillyard. 1,881,577; Oct. 11.
Mandrel. H. E. Dietrich. 1,876,279; Sept. 6.
Mandrel bar guide. H. Heetkamp. 1,874,992; Aug. 30.
Mandrel, Endless. H. T. Battin. 1,871,293; Aug. 9.
Mandrel, Expanding. G. Anderson. 1,882,709; Oct. 18.
Mandrel, Expanding. W. and W. E. Richter. 1,846,438; Feb. 23.
Mandrel, Flexible. A. E. Stjarnstrom. 1,856,597; May 3.
Mandrel for carpet rolling machines. N. W. Hoffman. 1,891,984; Dec. 27.
Mandrel for shaping curved tubes. Method of and die. P. H. Ford and N. Young. 1,881,121; Oct. 4.
Mandrel guide, Push bench. M. Peters. 1,889,320; Nov. 29.
Mandrel joint. P. C. Dutton and E. Hazell. 1,849,916; Mar. 15.
Mandrel joint. P. C. Dutton and E. Hazell. 1,880,376; Oct. 4.

Mandrel, Pipe welding. J. H. Baker. 1,857,802; May 10.
Mandrel, Tube or cone holding. L. B. Stogner. 1,887,790; Nov. 15.
Manganese and making same, Organic compounds of. S. L. Ruskin. 1,885,949; Nov. 1.
Manganese bearing materials, Electrolytic treatment of. A. Laury. 1,878,244; Sept. 20.
Manganese dioxide, Production of. O. W. Storey. 1,974,827; Aug. 30.
Manganese compounds, Recovery of. K. A. Kobe. 1,889,021; Nov. 29.
Manger, Feed. R. R. Shirley. 1,881,065; Oct. 4.
Mangle structure. J. B. Olson. 1,874,398; Aug. 30.
Mangle or wringer construction. J. L. Perkins and H. D. Croft. 1,875,487; Sept. 6.
Manicure device. F. Ingenthal. 1,846,613; Feb. 23.
Manicure device. W. Schwänhausser. 1,856,854; May 3.
Manicure set for ladies' hand bags. S. R. Mirmann. 1,860,261; May 24.
Manicuring device. A. G. Dalmas. 1,868,160; July 19.
Manicuring device, Power. G. Lidseen. 1,881,737; Oct. 11.
Manicuring implement. D. D. Lovette. 1,855,063; Apr. 19.
Manicuring implement, Compact. J. Kern. 1,841,291; Jan. 12.
Manicuring machine. A. E. R. Blomquist. Des. 86,511; Mar. 15.
Manicuring machine. J. D. Stuart. Des. 86,287; Feb. 16.
Manicuring mechanism. M. Andis. 1,848,864; Mar. 8.
Manicuring set. L. Snyder. 1,844,698; Feb. 9.
Manifold. M. L. Carpentier and J. B. Macauley, jr. 1,872,673; Aug. 23.
Manifold. P. S. Martin. 1,856,963; May 3.
Manifold. F. A. Van Bezel. 1,853,100; Apr. 12.
Manifold and detachable swivel connection therefor. E. C. Brown and G. A. Schmidt, jr. 1,840,483; Jan. 12.
Manifold construction. H. G. Sanger. 1,863,934; June 21.
Manifold construction. H. T. Thomas and A. L. Kimball. 1,886,219; Nov. 1.
Manifold control and fluid regulator, Combination. K. R. D. Wolfe. 1,844,814; Feb. 9.
Manifold cover and paper box, combined. A. G. Sherman. Des. 86,484; Mar. 8.
Manifold, Exhaust. G. M. Bellanca. 1,845,474; Feb. 16.
Manifold for downdraft carburetors. H. H. Timian. 1,860,373; May 31.
Manifold for multiple cylinder internal combustion engines, Intake. J. J. Molony. 1,871,813; Aug. 16.
Manifold for radial-cylinder internal combustion engines, Exhaust. A. H. R. Fedden. 1,855,851; Apr. 26.
Manifold form aligning device. H. W. Lewis. 1,876,981; Sept. 13.
Manifold, Gas lift. S. H. Grinnell. 1,852,716; Apr. 5.
Manifold heater. E. R. Armstrong. 1,883,452; Oct. 18.
Manifold, Intake. C. O. Degener. 1,875,079; Sept. 6.
Manifold, Pump. J. R. Maban. 1,858,246; May 17.
Manifold record machine. L. F. Hagemann. 1,872,140; Aug. 16.
Manifolding attachment. W. O. Michelsen. 1,891,567; Dec. 20.
Manifolding attachment. L. C. Myers and G. F. Handley. 1,891,569; Dec. 20.
Manifolding construction. M. J. Goldberg. 1,868,355; July 19.
Manifolding device. E. K. Bottle. 1,870,277; Aug. 9.
Manifolding device. E. K. Bottle. 1,887,619; Nov. 15.
Manifolding device. C. O. Degener. 1,853,302; Apr. 12.
Manifolding device. G. O. Degener. 1,853,303; Apr. 12.
Manifolding device. G. O. Degener. 1,853,669; Apr. 12.
Manifolding device. G. O. Degener. 1,853,781-2; Apr. 12.
Manifolding device. G. O. Degener. 1,890,563; Dec. 13.
Manifolding device. W. A. Pringle. 1,888,407; Nov. 22.
Manifolding device. L. C. Myers and G. F. Handley. 1,891,568; Dec. 20.
Manifolding machine. C. W. Brenn. 1,888,487; Nov. 22.
Manifolding machine. G. O. Degener. 1,853,670; Apr. 12.
Manifolding machine. F. Schultz. 1,865,394; June 28.
Manifolding machine. M. C. Stern and W. C. Pfeiffer. 1,858,315; May 17.
Manifolding machine, Autographic. L. R. Hanna. 1,891,570; Dec. 27.
Manifolding material. J. Q. Sherman. 1,864,097; June 21.
Manifolds, Device for thawing W. J. Connell. 1,840,488; Jan. 12.
Manipulator. E. E. Brosius. 1,881,169; Oct. 4.
Manipulator for rolling mills. R. D. Nye. 1,851,921; Mar. 29.
Manipulator for rolling mills. R. D. Nye. 1,857,063; May 3.
Manometer. T. R. Harrison. 1,891,154; Dec. 13.
Manometer. T. R. Harrison. 1,891,156; Dec. 13.
Manometer. M. Sorrison. 1,883,813; Oct. 18.
Manometer. L. B. Winton. 1,860,759; May 31.
Manometer, Recording. K. C. D. Hickman. 1,866,973; July 12.
Mantel. G. A. Simons and G. Freeberg. Des. 86,583; Mar. 22.
Mantle head. C. W. Davis. 1,883,602; Oct. 18.
Mantle, Heating and cooling. F. Kempter. 1,854,200; Apr. 19.
Manure collecting device for barns. C. M. Baker. 1,885,069; Oct. 25.
Manure loading machine. E. Satkowski and F. Napierala. 1,854,349; Apr. 19.
Manure spreader. C. F. Crumb and J. A. Latowski. 1,879,114; Sept. 27.
Manure spreader. L. B. Neighbour. 1,843,431; Feb. 2.
Manure spreader. T. H. Oppenheim. 1,854,599; Apr. 19.
Manway construction for pressure vessels, Forged. S. Straty. 1,872,357; Aug. 16.
Map. J. B. Anderson. 1,884,500; Oct. 25.
Map. R. L. Morse. 1,875,389; Sept. 6.
Map construction for power systems. A. C. Reid. 1,854,805; Apr. 19.
Map displaying mechanism. M. D. McCauley. 1,847,722; Mar. 1.
Map rod. C. E. Pedersen. 1,878,177; Sept. 20.
Maps by means of aerial photographs, Production of. A. C. W. Aldis. 1,878,363; Sept. 6.
Maps from air photographs, Apparatus for plotting. A. Barr. 1,889,042; Nov. 29.
Maps, Producing relief. J. J. Braund. 1,866,448; July 5.
Marble and granite shaping machine. P. Hauk. 1,891,279; Dec. 20.
Margarine and the like, Apparatus for handling. M. C. Reynolds. 1,842,732; Jan. 26.
Marine apparatus, Radiating. C. W. Sirch. 1,860,435; May 31.
Marine boiler, Single pass. T. B. Stillman. 1,851,464; Mar. 29.
Marine craft. E. E. Baldwin. 1,877,380; Sept. 13.
Marine elevator. F. S. Lovejoy. 1,852,510; Oct. 11.
Marine engine. C. E. Lawrence. 1,893,309; Oct. 25.
Marine light. P. R. Andrews. 1,877,785; Sept. 20.
Marine motor. F. O. Fernstrum. 1,883,661; Oct. 18.
Marine motor. H. L. and L. J. Johnson. 1,889,964; Dec. 6.
Marine propulsion system. F. Hodgkinson. 1,845,087; Feb. 16.
Marine sea chest. H. F. Schmidt. 1,884,282; Oct. 25.
Marine toilet. P. Allan. 1,888,842; Nov. 22.
Marine vessel. J. G. Faust. 1,861,338; May 31.
Mark indicator for tests, Selective. J. A. Wiley. 1,883,199; Oct. 18.
Marker. J. A. Caruffel. 1,878,673; Sept. 20.
Marker and means of holding in book, Lesson. G. B. Von Alvensleben. 1,858,605; May 17.
Marker and placing the same in a pavement, Road. J. R. O'Brien. 1,886,720; Nov. 8.
Marker and tube deflator, Puncture. H. C. Westphal. 1,857,703; May 10.
Marker, Animal. H. G. Ketchum. 1,860,421; May 31.
Marker, Athletic field line. H. J. Ryan. 1,882,340; Oct. 11.
Marker, Aviation. A. M. Wilhelm. 1,847,739; Mar. 1.
Marker, Ball. J. D. Lyon. 1,871,812; Aug. 16.
Marker, Book. J. Posner. 1,872,807; Aug. 23.
Marker detacher, Laundry. A. F. Hanney. 1,855,711; Apr. 26.
Marker, Disappearing grave. P. Pereau. 1,885,136; Nov. 1.
Marker for automobiles, Funeral. P. H. Sherwood. 1,861,366; May 31.
Marker for aviation fields or the like. W. F. Terry. Des. 87,605; Aug. 16.
Marker for corn planters. J. V. Holstein. 1,888,502; Nov. 22.
Marker for full fashioned hosiery, Centering. J. Largman. 1,878,865; Sept. 20.
Marker for highway poles. M. M. Brown. 1,847,923; Mar. 1.
Marker for phonograph records, Starting. H. M. Baruch. 1,867,997; July 19.
Marker, Fountain. W. C. Marsh. 1,857,467; May 10.
Marker, Fruit. F. Ahlburg. 1,889,967; Dec. 6.
Marker, Garden. C. R. Stewart. 1,863,608; June 21.
Marker, Grave. J. F. Dorfeld. Des. 86,304; Feb. 23.
Marker, Grave. F. A. Holmes. 1,843,602; Feb. 2.
Marker, Grave. J. Hutter. Des. 85,939; Jan. 5.
Marker, Grave. J. Hutter. Des. 86,458-9; Mar. 8.
Marker, Grave. J. M. McComas. 1,853,772; Apr. 12.
Marker, Grave. D. C. Peglar. 1,862,968; June 14.
Marker, Grave. L. H. Tapscott. Des. 86,495; Mar. 8.
Marker, Grave. R. H. Whitman. 1,860,915; May 31.
Marker, Highway. J. M. Miller. 1,860,719; May 31.
Marker, Label. A. F. Hoffman. 1,889,246; Nov. 29.
Marker, Line. H. J. Le Roy. 1,845,523; Feb. 23.
Marker, Lumber. D. R. Tanner. 1,875,278; Aug. 30.
Marker, Memorial grave. F. F. Fischer. Des. 87,107; June 7.
Marker, Movable magnetic. C. C. Alles. 1,879,002; Sept. 27.
Marker, Ornamental. N. V. Sestito. 1,880,364; Oct. 4.
Marker, Plant. F. S. Pollock. 1,875,137; Aug. 30.
Marker, Poultry. O. A. Jacobson. 1,855,052; Apr. 19.
Marker, Road. J. R. O'Brien. 1,845,522; Nov. 23.
Marker, Road. J. R. O'Brien. 1,886,721; Nov. 8.
Marker, Skirt. B. F. MacKenzie. 1,853,280; Apr. 12.
Marker, Street. J. S. George. 1,870,994; Aug. 9.
Marker, Tattoo. A. P. Hall. 1,853,416; Apr. 12.
Marker, Traffic. R. Foster. 1,878,691; Sept. 20.
Marker, Traffic. R. H. Oebrink. Des. 87,019; May 24.
Marker, Traffic and industrial. R. Foster. 1,861,425; May 31.
Marking apparatus. A. W. Dennis. 1,890,371; Dec. 6.
Marking apparatus. J. E. Stoll. 1,864,954; June 28.
Marking device. G. D. Crotty. 1,864,411; June 21.
Marking device. F. S. Speicher. 1,857,166; May 10.

Marking device. F. S. Speicher. 1,868,997; July 26.
Marking device for regular graded shoe upper blanks. H. E. Edwards. 1,881,399; Oct. 4.
Marking gauge. S. E. Sino. 1,862,201; June 7.
Marking machine. G. L. Keene. 1,858,273; May 17.
Marking machine. F. Kohnle. 1,879,875; Sept. 27.
Marking machine. F. Kohnle. 1,889,250; Nov. 29.
Marking machine. G. A. Schettler. 1,842,401; Jan. 26.
Marking machine. G. Stiegler. 1,891,656; Dec. 20.
Marking machine. C. O. Wenning. 1,860,271; May 24.
Marking machine for sleeve bearings. J. J. Ward. 1,892,315; Dec. 27.
Marking mechanism. J. E. Stoll. 1,850,422; Mar. 22.
Marking, printing, and embossing device. M. A. G. Luedtke. 1,854,705; Apr. 19.
Marking roll. H. G. Weber. 1,883,185; Oct. 18.
Marking roll composition. H. G. Weber. 1,883,183; Oct. 18.
Marking roll with hard rubber surface. H. G. Weber. 1,883,184; Oct. 18.
Marking roll with metal plates and cushion. H. G. Weber. 1,883,187; Oct. 18.
Marksmanship, Teaching. C. Schwartz. 1,875,941; Sept. 6.
Mascara case. N. Kasdan. 1,848,178; Mar. 8.
Mascot for use on a motor vehicle. H. D. Mackie. Des. 86,324; Feb. 23.
Mash for welding and like operations. K. Kannenberg. 1,842,675; Jan. 26.
Mash tubs for massecuite and the like, Process and apparatus for increasing the efficiency of. A. Rolz. 1,851,113; Mar. 29.
Masher or similar article, Potato. M. O. Haney. Des. 87,518; Dec. 11.
Masher, Vegetable. G. A. Hayward. 1,856,954; May 3.
Mask. F. R. M. Bulmer. 1,878,464; Sept. 20.
Mask, Air. W. E. Waters. 1,845,460; Feb. 16.
Mask and the like, Batter's. C. and F. Tatore. 1,868,926; July 26.
Mask, Beauty. K. Welsh. 1,872,642; Aug. 16.
Mask, Boxing. W. D. Hamby. 1,887,636; Nov. 15.
Mask, Ear. H. B. Ely. 1,873,884; Aug. 23.
Mask, Facial. M. E. Lewis. 1,862,881; June 14.
Mask, Lacrosse. R. Van Orman. 1,843,585; Feb. 2.
Mask member for photographic printing devices. F. Bernes. Des. 85,979; Jan. 26.
Mask, Respiratory. J. E. Leduc. 1,850,016; Mar. 15.
Mask, Welder's. F. M. Bowers. 1,874,872; Aug. 30.
Masking devices, Making. H. N. Nickerson. 1,843,432; Feb. 2.
Masking for cinematograph and like screens. G. S. and R. G. Hall. 1,882,828; Oct. 18.
Masks of rubber or other plastic or artificial substances, Production of. H. Stelzner. 1,884,342; Oct. 25.
Masonry structure and making the same, Subterraneous. S. W. Brooks. 1,854,347; Oct. 19.
Masonry structures, Repairing. L. S. Wertz. 1,883,196; Oct. 18.
Masonry wall and wall unit. E. W. Ranck. 1,889,690; Nov. 29.
Masonry joint. P. C. Olsen. 1,891,724; Dec. 20.
Mass and making the same, Artificial. H. Hönel. 1,870,455; Aug. 9.
Mass and making the same, Artificial. H. Hönel. 1,870,455; Aug. 9.
Mass for cathodes of electric alkaline accumulators, Preparing an active. G. Kraenzlein, R. K. Muller, and L. W. Berlin. 1,885,451; Nov. 1.
Mass movement detector. T. M. Roberts. 1,870,347; Aug. 9.
Massage and exercise machine. F. A. Anderson. 1,861,774; June 7.
Massage and exercise machine. F. A. Anderson. 1,866,833; July 12.
Massage and curing apparatus, Portable. R. B. Gentle. 1,868,893; July 26.
Massage apparatus. S. Stephani. 1,885,562; Nov. 1.
Massage, Apparatus for hydraulic. M. Pavlov. 1,855,114; Apr. 19.
Massage apparatus, Self. A. Roos. 1,864,258; June 21.
Massage apparatus, Vibratory. J. S. Lang. 1,858,209; May 17.
Massage appliance. W. V. Orr. 1,884,161; Oct. 25.
Massage device. J. A. Mashek. 1,888,510; Nov. 22.
Massage device. R. J. Metzler. 1,892,068; Dec. 27.
Massage device. J. D. Schwecrs. 1,840,796; Jan. 12.
Massage device, Combined heat and vibration. J. P. Freemon. 1,844,247; Feb. 9.
Massage device, Heated. Falck. 1,840,981; Jan. 12.
Massage machine. F. Pierson. 1,856,501; May 3.
Massage machine, Finger. C. L. Banks. 1,885,575; Nov. 1.
Massage roller. S. Falck. 1,882,490; Oct. 11.
Massager, Electromagnetic. J. Sharp. 1,860,906; May 31.
Massaging apparatus. P. J. Fitzgerald. 1,858,922; May 17.
Massaging device. M. C. Blondin. 1,889,345; Nov. 29.
Massaging device. P. L. Hemp. 1,886,544; Nov. 8.
Massaging device. L. Lewis. 1,849,039; Mar. 15.
Masses, Production of artificial. G. Walter. 1,863,426; June 14.
Mast arm support. R. H. Manson. 1,843,454; Feb. 2.
Mast band. W. E. Hale. 1,844,650; Feb. 9.
Mast distributing apparatus. J. E. Bushnell. 1,891,899; Dec. 27.
Mast, Mooring. C. E. Rosendahl. 1,865,790; July 5.
Master control cabinet for jail door operating systems. J. K. Mardick and L. J. White. 1,857,924; May 10.
Master-key lock. W. E. Billingson. 1,845,587; Feb. 16.
Master-keyed lock. K. A. Brauning. 1,888,946; Nov. 22
Mastic composition. H. C. Nielsen. 1,841,667; Jan. 19
Masticator. T. H. Williams. 1,869,833; Aug. 2.
Mat; See—
Bath mat.
Electrically heated mat.
Meal serving mat.
Press mat.
Reverbatment mat.
Running board mat.
Traction mat.
Mat. J. F. Duffy. 1,883,737; Oct. 18.
Mat. L. T. Hand. 1,887,200; Nov. 8.
Mat. H. Midgley. 1,841,827; Jan. 19.
Mat weaving machine. E. J. Tucker. 1,853,289; Apr. 12.
Match. N. H. Waldinger. 1,865,716; July 5.
Match and cigarette package, Combined. E. L. Rich, jr. 1,861,361; May 31.
Match book. A. L. Jorgensen. 1,873,420; Aug. 23.
Match books, Apparatus for making. R. W. Smith. 1,878,647; Sept. 20.
Match books, Mechanism for making. R. W. Smith. 1,888,244; Nov. 22.
Match box. J. Josinsky. 1,864,440; June 21.
Match box. J. D. Lerch. 1,854,949; Apr. 19.
Match box shells, Manufacturing. K. A. Johannson. 1,885,695; July 5.
Match making machine. P. T. Denmead. 1,880,342; Oct. 4.
Match making machine. A. Shmyroff, J. Dill, and E. Vanderstadt. 1,881,141; Sept. 27.
Match making machines, Carrier bar for. P. W. Dietmann. 1,846,994; Feb. 23.
Match package. B. H. Freedman. 1,851,042; Mar. 29.
Match package. B. H. Freedman. 1,858,704; May 17.
Match package. B. H. Freedman. 1,887,503; Nov. 15
Match packages. A. W. Booley. 1,888,723; Nov. 1.
Match package. J. W. Johansson. 1,865,694; July 5.
Match package. L. B. Kuhn. 1,855,246; Apr. 26.
Match package. C. J. Lasley. 1,862,781; June 7.
Match package and stapling insert. R. S. Pullen and W. J. Crowell, jr. 1,884,215; Oct. 25.
Match packaging machines. R. S. Pullen and W. J. Crowell, jr. 1,861,760; June 28.
Match packet, Book. L. Greenbaum. 1,839,846; Jan. 5.
Match packet, Pull. D. Payne. 1,861,356; May 31.
Match packet. R. S. Pullen. 1,839,180; Nov. 29.
Match stacking mechanism. J. Dill and A. Shmyroff. 1,880,077; Sept. 27.
Match strips having staggered matches, Apparatus for aligning. E. H. Jähne. 1,869,373; Aug. 2.
Matches and container therefor, Combined set of book. M. H. Swartz. Des. 84,394; Oct. 4.
Matches from continuous strips, Manufacture of book. S. and H. Rakowitsky. 1,854,063; Apr. 12.
Matches, Manufacture of. J. G. Newman. 1,850,468; Mar. 22.
Matches, Manufacture of strip. J. W. Johansson. 1,857,723; May 10.
Material abrasion tester. F. D. Abbott. 1,850,056; Mar. 15.
Material advancing apparatus. L. L. Weaver. 1,883,181; Oct. 18.
Material against contact poisons, Method and apparatus for protecting a catalytically acting or purifying. G. K. E. H. Stampe. 1,840,811; Jan. 12.
Material, All metal gimped. R. B. Kingman. 1,887,157; July 12.
Material and making same, Artificial. L. Lilienfeld. 1,881,740; Oct. 11.
Material and making same, Decorated. A. F. Caprio. 1,845,158; Mar. 1.
Material and making same, Identifiable. W. Whitehead and H. W. Kuhl. 1,885,878; Nov. 1.
Material and making same, Structural. H. C. Peffer, R. L. Harrison, and D. E. Ross. 1,852,672; Apr. 5.
Material and making same, Water and moisture proof coating. C. F. Mauer. 1,888,560; Nov. 22.
Material and making the same, Channeled strip. E. E. Davidson. 1,842,586; Jan. 26.
Material and making the same, Composite. E. C. Loetscher. 1,875,054; Aug. 30.
Material and making the same, Insulating. G. K. Lewis. 1,885,364; Nov. 1.
Material and making the same, Wall forming. J. Mazer. 1,859,404; Jan. 5.
Material and preparing same, Coating. R. T. Hucks. 1,875,005; Aug. 30.
Material and preparing same, Surfacing. Z. C. Loebel. 1,860,040; May 24.
Material and preparing the same, Absorbent. J. G. Ruckelshaus and N. W. Kempf. 1,852,029; Apr. 5.
Material and process for neutralizing acids in oils. H. H. Moreton. 1,861,711; June 7.
Material and producing same, Catalytic. A. T. Larson. 1,853,771; Apr. 12.
Material and product obtained thereby, Manufacturing sheet. R. P. Rose and H. E. Cude. 1,889,996; Jan. 5.
Material and product obtained thereby, Vulcanizable. W. A. Gibbons. Re18,691; Dec. 13.

Material and resulting product, Treating vegetable fibrous. G. Heberlein and A. Bodmer. 1,867,006; July 12.
Material, Apparatus for and parafining. W. A. M. Hoffmeister. 1,846,201; Feb. 23.
Material, Apparatus for baling. A. S. Mackenzie. 1,881,774; Oct. 11.
Material, Apparatus for carbonizing solid carbonizable. H. Widemann. 1,850,648; Mar. 22.
Material, Apparatus for controlling the working of. H. W. Jespersen. 1,840,101; Jan. 5.
Material, Apparatus for conveying and spraying. G. L. Fisk. 1,839,359; May 24.
Material, Apparatus for cooling loose. C. Mittag. 1,844,782; Feb. 9.
Material, Apparatus for developing light sensitive. V. C. Brown. 1,841,466; Jan. 19.
Material, Apparatus for developing light-sensitive. C. R. Uhlich and H. O. H. von Stern. 1,861,329; May 31.
Material, Apparatus for dispersing liquid. W. H. Lohmann. 1,846,884; Feb. 23.
Material, Apparatus for distributing. T. Zaccheo. 1,878,748; Sept. 20.
Material, Apparatus for drying filamentary. G. L. Brownell. 1,885,799; Nov. 1.
Material, Apparatus for feeding powdered. R. D. Hulsander. 1,884,452; Oct. 4.
Material, Apparatus for folding sheet. O. C. Schulz. 1,870,754; Aug. 9.
Material, Apparatus for forming and bending flexible. W. O. Dailey. 1,882,243; Oct. 11.
Material, Apparatus for gauging. C. Paulson. 1,854,760; Apr. 19.
Material, Apparatus for handling. F. D. Martin. 1,850,591; Mar. 22.
Material, Apparatus for handling. R. T. Romine. 1,876,159; Sept. 13.
Material, Apparatus for handling. W. Schroeder. 1,882,985; Oct. 18.
Material, Apparatus for handling. W. D. Stockly. 1,841,683; Jan. 19.
Material, Apparatus for handling. D. V. Waters. 1,859,142; May 5.
Material, Apparatus for handling strip. J. O. Small. 1,862,040; June 7.
Material, Apparatus for inspecting. R. C. Hartsough. 1,854,838; Apr. 19.
Material, Apparatus for making sheet. T. Robinson. 1,872,040; Aug. 23.
Material, Apparatus for manufacture of sheet. H. Brown. 1,873,279; Aug. 23.
Material, Apparatus for preparing and distributing. H. F. Carter. 1,880,794; Oct. 4.
Material, Apparatus for serving stranded. S. E. Borgeson. 1,890,329; Dec. 13.
Material, Apparatus for the regeneration of adsorption. V. Pantenburg. 1,863,803; June 21.
Material, Apparatus for treating light sensitive. A. Langsner. 1,852,314; Apr. 5.
Material, Apparatus for working. J. R. Shea. 1,883,006; Oct. 18.
Material attenuation. M. E. Evans. 1,843,666; Feb. 2.
Material by mixtures which thicken under cooking, Treating. C. H. Crowell. 1,839,202; Jan. 5.
Material, Channeled strip. E. E. Davidson. 1,842,587; Jan. 26.
Material coating apparatus. J. F. Esch. 1,872,628; Aug. 16.
Material collecting and conveying system. R. H. Moore. 1,852,535; Apr. 5.
Material, Composite structural. D. E. Ross, F. P. Wymer, and R. L. Harrison. 1,852,676; Apr. 5.
Material, Constructional. A. C. Fischer. 1,861,408; May 31.
Material, Constructional. A. C. Fischer. 1,863,104; June 14.
Material containing cellulose derivatives, Dyeing of. H. Dreyfus. 1,854,461; Apr. 19.
Material, Conveying of. H. Heymann and E. Lehr. 1,858,328; May 17.
Material, Curling web. L. A. Becker and J. M. Munson. 1,852,394; Apr. 5.
Material, Decorative. W. Bowker and J. F. Walsh. 1,864,794; June 28.
Material, Decorating flexible. C. A. Hanington. Re18,351; Feb. 16.
Material, Device for catching and stacking sheet. R. N. Richards. 1,873,403; Aug. 23.
Material, Device for cutting continuous sheets of a very thin. L. Rado. 1,849,591; Mar. 15.
Material, Device for dispensing measured quantities of powdered. C. Nicolino. 1,844,260; Feb. 9.
Material discharging device. J. H. Deacon and C. H. Hartman. 1,864,529; June 28.
Material, Distributing solid carbonizable. H. Nielsen and B. Laing. 1,886,350; Nov. 1.
Material, Distributing moisture absorbing. W. O. Roy. 1,883,409; Oct. 18.
Material, Embossing plastic. R. G. Anderson. 1,859,907; May 24.
Material, fabrics, or felt, Bleaching, dyeing, and printing vegetable and animal fiber. K. Lindner. 1,881,745; Oct. 11.
Material, Feed mechanism for sheet. G. L. Fulk. 1,858,443; May 17.
Material, Feeder for pulverized. R. S. Moore. 1,844,172; Feb. 9.
Material feeding apparatus. A. S. Liss. 1,841,488; Jan. 19.
Material feeding device, Sheet. H. J. Hanauer. 1,866,851; July 12.
Material, Filtration. R. Calvert. 1,851,808; Mar. 29.
Material for conversion of cellulose derivatives and producing same. G. A. Richter, M. O. Schur, and R. H. Rasch. 1,851,350; Mar. 29.
Material for making roads, Apparatus for mixing. W. G. Frazee. 1,867,739; July 19.
Material for pavements, Preparing. A. D. Brito. 1,854,100; Apr. 12.
Material for scouring utensils. E. S. Bradford, jr. 1,853,543; Apr. 12.
Material for selectively controlling metal pickling in acid baths. J. H. Gravell. 1,852,648; Apr. 5.
Material for sintering, Balling fine grained. W. Bradley. 1,865,554; July 5.
Material for the mineral aggregates of pavements and in the method of using the same, Binding. D. McK. Hepburn, S. S. Sadtler, and E. F. Cayo. 1,846,107; Feb. 23.
Material, Forming sheet. F. A. Parkhurst. 1,881,917; Oct. 11.
Material from articles, Apparatus for removing. L. Normann. 1,881,887; Oct. 11.
Material from gases, Apparatus for separating suspended. F. Seipp. 1,846,985; Feb. 23.
Material from gases, Separation of suspended. E. Anderson. 1,853,393; Apr. 12.
Material from mills, Apparatus for removing plastic. W. E. MacMonagle. 1,876,309; Sept. 6.
Material functioning as an expansion joint, Constructional. A. C. Fischer. 1,840,085; Jan. 5.
Material functioning as an expansion joint, Constructional. A. C. Fischer. 1,840,086; Jan. 5.
Material, Greens. S. H. Hartman and H. L. Powers. 1,870,807; Sept. 6.
Material, Gun wad. R. H. Johnson. 1,857,281; May 10.
Material handling and measuring apparatus. W. M. Venable. 1,891,232; Dec. 13.
Material handling apparatus. H. L. Blood and H. O. Olson. 1,855,877; Apr. 26.
Material handling apparatus. E. F. Campbell. 1,883,543; Oct. 18.
Material handling apparatus. R. Jongedyk. 1,871,272; Aug. 9.
Material handling apparatus. E. E. Klupmeyer and A. A. Maxwell. 1,871,707; Aug. 16.
Material handling apparatus. W. Schroeder. 1,852,758; Apr. 5.
Material handling apparatus. W. M. Venable. 1,882,307; Oct. 11.
Material handling device. M. Wilson. 1,885,312; Nov. 1.
Material handling machine. G. R. Whitnall. 1,856,677; May 3.
Material handling means. W. C. Anthony and L. Wachter. 1,889,521; Nov. 29.
Material handling means. L. Clapper. 1,845,906; Feb. 16.
Material handling mechanism. A. Hauge. 1,884,672; Oct. 25.
Material, Handling phase changeable. H. B. Rudd. 1,853,313; Apr. 26.
Material, High temperature transfer. M. J. Morgan. 1,873,013; Aug. 23.
Material impregnated with cellulose regenerated from viscose or other cellulosic solutions, Apparatus for the production and manufacture of. A. H. Kilner. 1,892,579; Dec. 27.
Material in a receptacle, Apparatus for indicating the amount of. F. T. Leilich. 1,851,195; Mar. 29.
Material in an electrical furnace, Process of melting or heating. K. G. Wennerstrom. 1,875,787; Sept. 6.
Material in bars, Casting. S. F. V. Kjellgren. 1,852,463; Apr. 5.
Material in measured quantities, Apparatus for handling. G. H. Gibson and H. C. Mitchell. 1,843,552; Feb. 2.
Material in shaping pottery ware, Removing excess of. W. J. Miller. 1,850,939; Mar. 22.
Material into high pressure vessels, Feeding finely divided solid. F. B. Grant and H. Harper. 1,875,921; Sept. 6.
Material, Jointing sheet. E. E. Arnold. 1,849,471; Mar. 15.
Material, Laminated. G. H. Mains. 1,844,512; Feb. 9.
Material, Laminated plastic. F. T. Labey. 1,861,663; June 7.
Material loading machine. C. R. Stahl. 1,862,610; June 14.
Material, Making structural. W. R. Kappes. 1,865,192; June 28.
Material, Manufacture of building. L. E. Welch. 1,864,287; June 21.
Material, Manufacture of elastic-plastic. J. Baer. 1,869,734; Aug. 2.
Material, Manufacturing constructional. A. C. Fischer. 1,844,467; Feb. 9.
Material, Manufacturing surfacing. G. O. Olsen. 1,843,369; Feb. 2.
Material, Method and apparatus for laying strip. S. S. Robinson. 1,846,145; Feb. 23.

Material, Method and apparatus for piling. R. B. Brown. 1,882,720; Oct. 18.
Material, Method and apparatus for shaping. J. C. Timm. 1,841,994; Jan. 19.
Material, Method and apparatus for treating. G. D. Harris. 1,853,424; Apr. 12.
Material, Method of and apparatus for pulverizing and treating. W. J. Wohlenberg. 1,883,218; Oct. 18.
Material, Method of and apparatus for subdividing. G. E. Seil. 1,859,992; May 24.
Material, Mixing and applying insulating. R. H. Mobley, A. M. Fort, and V. J. Haddaway. 1,849,945; Mar. 15.
Material mixing, feeding and measuring apparatus. E. E. Harper. 1,873,450; Sept. 6.
Material, more particularly cut tobacco, for continuously fed machines, Measuring quantities of loose. H. Schunemann. 1,851,215; Mar. 29.
Material moving device. M. Wooldridge. 1,861,731; June 7.
Material of different densities, Apparatus for the pneumatic separation of. P. Soulary. 1,866,951; July 12.
Material of high absorptivity, Manufacture of felted fibrous sheet. G. A. Richter and H. A. Chase. 1,888,771; Nov. 22.
Material or cloth, Manufacturing a trimming. A. Benowitz. 1,872,389; Aug. 16.
Material, Ornamentally embossed strip. F. Weindel, jr. 1,850,856; Mar. 22.
Material, Ornamenting strip. G. Prifold. 1,854,524; Apr. 19.
Material, Paper-like. V. O. Robinson. 1,850,895; Mar. 22.
Material, Preparation of powdered plastic. M. J. Theumann. 1,845,821; Feb. 16.
Material, Preparing all metal gimped. R. B. Kingman. 1,872,997; Aug. 23.
Material, Process and apparatus for drying. L. B. West and M. P. Wall. 1,871,934; Aug. 16.
Material, Process and apparatus for treating argillaceous. W. B. Pine. 1,860,475; May 31.
Material, Process and machine for producing wadding. A. B. Corin. 1,874,451; Aug. 30.
Material, Producing cellular. K. Sildell. 1,864,770; June 28.
Material, Producing cellular building. K. Sildell and S. Q. Lee. 1,845,350; Feb. 16.
Material, Producing columns of bloated. K. Sildell and S. Q. Lee. 1,877,147; Sept. 13.
Material rack. C. C. Gates. 1,889,546; Nov. 29.
Material, Recovery of relief. W. H. Kenety. 1,885,918; Nov. 1.
Material, Resistance. T. C. Browne and C. J. Kayko. 1,854,923; Apr. 19.
Material, Scoring. J. H. McTaggart and J. B. Pospeshil. 1,845,987; Feb. 9.
Material slitting device. R. E. McFarland. 1,881,020; Oct. 4.
Material, Smelting of metalliferous. E. Engblom. 1,862,741–2; June 14.
Material sorting machine. W. H. Spire. 1,883,047; Oct. 18.
Material spreader. E. J. Hawks. 1,862,347; June 7.
Material spreader. F. C. Stolle. 1,872,841; Aug. 23.
Material, Structural. L. Nelson. 1,871,730; Aug. 16.
Material suitable for artificial materials, particularly artificial silk, Preparation of cellular raw. A. Bosse. 1,882,175; Oct. 11.
Material, Surface covering. P. R. Young. 1,873,098; Aug. 23.
Material to book covers and the like, Affixing stamping. R. Lange. 1,867,224; July 12.
Material to fish-tail bits, Apparatus for applying hard facing. O. Gottfried. 1,859,925; May 24.
Material to machines, Device for measuring and submitting. A. M. Campbell. 1,863,005; June 14.
Material to molds in brick presses, Mechanism for feeding dissimilar. R. B. Stuckey. 1,872,521; Aug. 16.
Material to rotary operating devices, Apparatus for applying. C. Baiffet. 1,859,275; May 24.
Material transferring apparatus, G. Stover, J. M. Ames, and E. T. Carroll. 1,848,979; Mar. 8.
Material transferring mechanism. G. Powell. 1,884,211; Oct. 25.
Material, Transparent sheet. E. M. Kratz. 1,866,410; July 5.
Material treating apparatus. A. L. Adrianson. 1,877,378; Sept. 13.
Material treating furnace. S. Kneass, jr. 1,844,094; Feb. 9.
Material treating furnace. T. Lewin. 1,839,399; Jan. 5.
Material washing machine. G. E. Krider. 1,883,800; Oct. 18.
Material, Water and fire resistant coated. C. Ellis. 1,852,998; Apr. 5.
Material weighing and control apparatus. R. J. Sholtz. 1,883,017; Oct. 18.
Material with sulphur, Treating fibrous. F. V. D. Cruser. 1,886,170; Nov. 1.
Material with the aid of mineral wool, Producing boardlike. I. Kitsee. 1,890,184; Dec. 6.
Material working apparatus. H. W. Larson and R. H. Patchen. 1,861,574; June 7.
Materials, Activating or revivifying finely divided. G. G. Brockway. 1,852,603; Apr. 5.
Materials and coatings of all kinds, Preparing artificial. H. Fersiel. 1,848,263; Mar. 8.
Materials and mixtures, Device for grinding pulpy semifluid. K. Albert. 1,840,827; Jan. 12.
Materials and preparing them, Hardened artificial. A. Voss. 1,860,441; May 31.
Materials and products resultant therefrom, Method of and apparatus for treating liquid impregnated. J. A. Edgecombe and H. L. Bishop. 1,860,664; May 31.
Materials and products resulting therefrom, Flame-proofing combustible. E. O. Crocker. 1,891,258; Dec. 20.
Materials and the like upon traveling platforms, Method and an automatic device for loading colloidal. D. S. Baker. 1,842,232; Jan. 19.
Materials, Apparatus for concentrating. L. T. Sicka and V. E. Flanagan. 1,853,240; Apr. 12.
Material, Apparatus for degreasing. J. Savage. 1,875,937; Sept. 6.
Materials, Apparatus for drying fibrous. E. R. Darling. 1,846,474; Feb. 23.
Materials, Apparatus for handling. D. S. Baker. 1,841,237; Jan. 12.
Materials, Apparatus for handling. D. S. Baker. 1,842,231; Jan. 19.
Materials, Apparatus for handling. D. S. Baker and K. M. Simpson. 1,851,534; Mar. 29.
Materials, Apparatus for handling bulk. L. E. Smott. 1,858,645; May 17.
Materials, Apparatus for handling loose. A. B. Esseltine. 1,868,973; July 26.
Materials, Apparatus for handling pulverulent. F. L. Dornbrook. 1,844,642; Feb. 9.
Materials, Apparatus for molding. W. O. Witherspoon and J. Harrower. 1,884,948; Oct. 25.
Materials, Apparatus for ornamenting the surface of strips. G. Prifold. 1,854,666; Apr. 19.
Materials, Apparatus for puffing starch-containing. O. C. Kirn. 1,878,782; Sept. 20.
Materials, Apparatus for pulverizing. W. J. A. London. 1,875,817; Sept. 6.
Materials, Apparatus for screening. M. P. Reynolds. 1,864,940; June 28.
Materials, Apparatus for screening. D. A. Weber. 1,883,186; Oct. 18.
Materials, Apparatus for shaping. E. E. Slick. 1,888,397; Nov. 22.
Materials, Apparatus for sintering roasting. G. Stein. 1,877,608; Sept. 13.
Materials, Apparatus for the delivery of. C. S. Molitor. 1,885,533; Nov. 1.
Materials, Apparatus for the measurement of granular. J. E. Lea. 1,840,455; Jan. 12.
Materials, Apparatus for the wet screening or separation of intermixed. J. A. Flint and F. T. Hazeltine. 1,868,174; Nov. 1.
Materials, Apparatus for transporting cementitious. O. T. and O. J. Graham. 1,841,436; Jan. 19.
Materials, Apparatus for treating. H. M. Larsen. 1,841,485; Jan. 19.
Materials, Apparatus for treating solid and liquid. W. Gaus. 1,865,183; June 28.
Materials, Apparatus for vending packaged. E. M. Jones. 1,845,919; Feb. 16.
Materials, Attenuation of. M. E. Evans. Re18,478; Mar. 24.
Materials chemically, Device for treating. J. E. Trainer and W. A. Jones. 1,851,024; Mar. 29.
Materials, Cleaning and vulcanizing. F. S. Malm. 1,881,785; Oct. 11.
Materials coated with lacquers, and a process of producing coatings. G. Kranzlein and R. K. Muller. 1,873,945; Aug. 23.
Materials, Consolidating granular. R. C. Benner, P. H. Walker, and W. S. Soley. 1,884,529; Oct. 25.
Materials, Contacting solid and gaseous. E. O. Barstow and S. B. Heath. 1,852,227; Apr. 5.
Materials containing arsenious acid, Treating. O. Stalhane, D. R. E. Werner, and S. Gierts-Hedstrom. 1,875,897; Sept. 6.
Materials containing natural silk, Treatment of. G. H. Ellis. 1,882,070; Oct. 11.
Materials containing nickel and/or cobalt, together with copper, iron, lead, and precious metals, Treatment of. W. Schopper. 1,861,807; June 21.
Materials, Continuous process of purifying. W. E. Trent. 1,867,783; July 19.
Materials, Conveying fine-grained. M. Vogel-Jorgensen. 1,889,163; Nov. 29.
Materials, Decomposing organic. R. J. Dearborn and G. W. Gray. 1,861,956; June 7.
Materials, Decorticating fibrous. G. E. Cookson. 1,855,941; Apr. 26.
Materials, Destructive hydrogenation of carbonaceous. M. Pier, K. Winkler, and K. Wissel. 1,859,314; May 24.
Materials, Device for controlling. W. Ross. 1,840,917; Jan. 12.
Materials, Disintegrating solid. H. A. Pertwee. 1,851,683; Mar. 29.
Materials, Drying. R. H. Hobrock. 1,871,269; Aug. 9.
Materials, Electroplating nonconductive. P. R. Zinser. 1,856,283; July 5.
Materials, Evaporative carbonization of organic. F. T. Snyder. 1,858,972; May 17.

Materials, Feeding device for strip. W. W. Carson, jr. 1,851,420 ; Mar. 29.
Materials, Ferromagnetic. B. Scharnow. 1,873,155 ; Aug. 23.
Materials for making roads, Apparatus for mixing. W. G. Frazee. 1,867,817 ; July 19.
Materials for treatment of neurosyphilis and manufacture. P. J. Hanzlik. 1,890,508 ; Dec. 13.
Materials from slurries or sludges, Separation of solid and liquid. A. E. Leek. 1,861,537 ; June 7.
Materials, Gluing. T. W. Dike. 1,851,949 ; Mar. 29.
Materials, Humidifying. G. D. Harris. 1,853,422 ; Apr. 12.
Materials, Impregnation or incrustation of hydrolyzed fibrous. A. Regal. 1,843,783 ; Feb. 2.
Materials, Intermixture of dairy materials, Surface dressing of. A. Sindermann. 1,849,962 ; Mar. 15.
Materials, Insulating and sound proofing. N. M. Elias. 1,842,083 ; Jan. 19.
Materials in the making of briquets, Blending. C. S. Wolf. 1,851,689 ; Mar. 29.
Materials into molds, Method of and apparatus for pressing. W. S. Murray. 1,886,831 ; Nov. 8.
Materials made of or containing cellulose derivatives. H. Dreyfus. 1,843,417 ; Feb. 2.
Materials made of or containing cellulose derivatives, Dyeing, printing, or stenciling of. H. Dreyfus, G. H. Ellis, T. Ockmen, and C. C. Dunn. 1,883,352 ; Oct. 18.
Materials made of or containing cellulose derivatives, Treatment of. H. Dreyfus. 1,854,460 ; Apr. 19.
Materials made of or containing cellulose derivatives, Treatment of. H. Dreyfus. 1,854,462 ; Apr. 19.
Materials made of or containing cellulose derivatives, Treatment of. H. Dreyfus. 1,883,350 ; Oct. 18.
Materials made of or containing cellulose derivatives, Treatment of. G. H. Ellis. 1,874,176–7 ; Aug. 30.
Materials, Making friction equalizing. R. F. Nowalk. 1,845,056 ; Feb. 16.
Materials, Making high grade dielectric. A. Meissner. 1,886,284 ; Nov. 1.
Materials, Making layers of distended fibrous. F. L. Bryant. 1,841,785 ; Jan. 19.
Materials, Making light porous. E. Rodgers, jr., and G. B. Dunoon, jr. 1,862,861 ; Jan. 26.
Materials, Making surfacing. J. W. Clark. 1,875,802 ; Sept. 6.
Materials, Manufacture of artificial. L. Lilienfeld. 1,858,097 ; May 10.
Materials, Manufacture of glued. A. Winogradow. 1,841,054 ; Jan. 19.
Materials, Metallic treatment of vitreous. A. Greiner. 1,884,665 ; Oct. 25.
Materials, Method and apparatus for pulverizing. W. De Carnery. 1,889,436 ; Nov. 29.
Material, Method and apparatus for sampling. T. Thorsten. 1,890,199 ; Dec. 6.
Materials, Method and apparatus for treating. R. C. Kivley. 1,871,456 ; Aug. 16.
Materials, Method of and apparatus for distributing. F. P. Nickerson. 1,852,004 ; Oct. 18.
Materials, Method of and apparatus for measuring. L. H. Brown. 1,859,020 ; May 17.
Material, Method of and apparatus for separating. C. A. Hallam. 1,873 393–4 ; Aug. 23.
Materials, Method of and apparatus for separating. C. A. Hallam and B. Palmer. 1,873,395 ; Aug. 23.
Materials, Method of and system for tempering. E. E. Winkley. 1,891,274 ; Dec. 20.
Materials, Mixing finely divided solid. E. Anderson. 1,839,456 ; Jan. 5.
Materials of different specific gravities, Method and apparatus for separating. T. M. Chance. 1,854,107 ; Apr. 12.
Materials of different specific gravities, Separating. T. M. Chance. 1,851,944 ; Sept. 13.
Materials of different specific gravities, Separation of solid. G. Raw. 1,843,405 ; Feb. 2.
Materials, Pneumatic drying of. E. Barthelmess. 1,866,744 ; July 12.
Materials, Preserving caustic. W. R. Jeavons and M. J. Rentschler. 1,851,944 ; Mar. 29.
Materials, Process of and apparatus for separating. L. A. Hatch. 1,877,861 ; Sept. 20.
Materials, Producing light weight building. R. K. Mc-Berty. 1,842,186 ; Jan. 19.
Materials, Production of colored effects in cementitious and building. G. N. White. 1,856,366 ; May 3.
Materials, Purification and bleaching of cellulosic. C. A. Blodgett. 1,855,332 ; Apr. 26.
Materials, Purification of sublimable organic. A. O. Jaeger. 1,852,792 ; Apr. 5.
Materials, Quality of gravity separating. F. D. Chapman. 1,885,987 ; Nov. 1.
Materials, Reducing zinciferous. E. H. Bunce. 1,863,711 ; June 21.
Materials, Retaining means for building. H. C. Mortenson. 1,850,961 ; Mar. 22.
Materials, Sealing. G. L. Rock. 1,882,925 ; Oct. 18.
Materials, Separation of. J. M. Cleaver. 1,869,797 ; Aug. 2.
Materials, Separation of dry. K. C. Applevard, C. W. H. Holmes, and I. L. Bramwell. 1,866,186 ; July 5.
Materials, Separation of dry. K. C. Appleyard, C. W. H. Holmes, and I. L. Bramwell. 1,876,825 ; Sept. 13.
Materials, Separation of dry. I. L. Bramwell. 1,888,372 ; Nov. 22.
Materials, Separating. F. Tschudy. 1,840,267 ; Jan. 5.
Materials, Silicifying fibrous. O. Stiner. 1,862,167 ; June 7.
Materials such as metal powder, Apparatus and process for treating. J. H. Lucas. 1,852,583 ; Apr. 5.
Materials to protect them from mildew and other fungoid growths, Proofing or like treatment of. R. G. Fargher, L. D. Galloway, and M. E. Probert. 1,873,365 ; Aug. 23.
Materials together, Gluing. T. W. Dike. 1,851,950 ; Mar. 29.
Materials together or the like, Joining. S. Bergstein. 1,847,998 ; Mar. 1.
Materials, Treating. H. M. Larsen. 1,841,484 ; Jan. 19.
Materials, Treating fermented. T. D. Kelly. 1,866,409 ; July 5.
Materials, Treating fibrous. T. W. Bacchus. 1,856,453 ; May 3.
Materials, Treating gelatinous and colloidal. A. M. Buswell. 1,847,080 ; Mar. 1.
Materials, Treating magnetic. V. E. Legg. 1,848,364 ; Mar. 8.
Materials, Treating magnetic. K. L. Scott. 1,839,344 ; Jan. 5.
Materials, Treating of hydrocarbon. P. K. Frolich. 1,858,822 ; May 17.
Materials, Treating silica-bearing. T. O. McAdoo. 1,858,100 ; May 10.
Materials, Treatment of grain. H. Edholm. 1,885,998 ; Nov. 1.
Materials, Treatment of titanium and iron containing. B. D. Saklatwalla. 1,845,342 ; Feb. 16.
Materials with acid, Treating titaniferous. P. Farup. 1,861,510 ; Apr. 5.
Materials with air, Treating. D. P. Gosline. 1,854,789 ; Apr. 19.
Materials with gases, Treating solid. F. M. Wiberg. 1,849,561 ; Mar. 15.
Matrices, Method of and apparatus for producing. R. C. Baker. 1,870,481 ; Aug. 9.
Matrix, Apparatus for drying a stereotyping. C. R. Green. 1,845,914 ; Feb. 16.
Matrix assembler. H. H. Turner. 1,842,356 ; Jan. 19.
Matrix assembler. Le R. W. Willis. 1,865,348 ; June 28.
Matrix assembly for typesetting machines. H. E. Williams. 1,886,772 ; Nov. 8.
Matrix delivery mechanism for slug casting machines. S. J. Sennet. 1,853,288 ; Apr. 12.
Matrix molding press. C. Winkler. 1,866,830 ; July 12.
Matrix retainer. C. S. Ivory. 1,868,981 ; July 26.
Matrix roaster. O. C. Roesen. 1,843,489 ; Feb. 2.
Matrix scorcher. H. B. Trent. 1,882,759 ; Feb. 16.
Matrix securing means. E. A. Glynn. 1,841,408 ; Jan. 19.
Matrix, Type casting. L. H. Gilbert. 1,883,689 ; Oct. 18.
Matte, Treatment of. O. C. Ralston and C. R. Kuzell. 1,856,903 ; Nov. 1.
Matter and making the same, Composition of. E. W. Lovering. 1,880,036 ; Sept. 27.
Matter, Composition of. C. R. Eckert. 1,849,867 ; Mar. 15.
Matter containing an amide or derivative thereof, Cellulosic composition of. S. J. Carroll and H. B. Smith. 1,844,714 ; Feb. 9.
Matter containing butyl propionate, Cellulosic composition of. S. J. Carroll. 1,841,311 ; Jan. 12.
Matter containing cyclohexanol, Cellulosic composition of. S. J. Carroll, 1,841,312 ; Jan. 12.
Matter containing nitro-para-xylene, Cellulosic composition of. S. J. Carroll, 1,841,313 ; Jan. 12.
Matter from oil wells, pipe lines, and flow lines, Preventing accumulation of solid. M. De Groote. 1,844,885 ; Feb. 9.
Matter from wells, Method of and apparatus for the recovery of. K. Kelley and S. J. Perkins. 1,886,886 ; Nov. 8.
Matter in oil wells, pipe lines and flow lines, Preventing accumulation of solid. M. De Groote. 1,892,205 ; Dec. 27.
Matter, Treating fluidal. H. C. Lykken. 1,887,317 ; Nov. 8.
Matting device for motion picture projectors. J. E. Woodland. 1,863,078 ; June 14.
Mattress. R. B. Davis. 1,880,860 ; Oct. 4.
Mattress. M. Marsack. 1,859,340–1 ; May 24.
Mattress. J. Neuman. 1,860,293 ; May 24.
Mattress. L. E. Pittoni. 1,882,876 ; Oct. 18.
Mattress. W. E. Wunderlich. 1,882,538 ; Oct. 11.
Mattress and its manufacture. O. M. Burton and F. R. Zimmerman. 1,892,203 ; Dec. 27.
Mattress filler making process and machine. J. F. Gail. 1,879,174 ; Sept. 27.
Mattress filler or cushion unit. J. M. Oldham. 1,888,357 ; Nov. 22.
Mattress making machinery. M. I. Shifman. 1,891,018 ; Dec. 13.
Mattress making process and machine. J. F. Gail. 1,879,171 ; Sept. 27.
Mattress, Sectional. J. A. Winn. 1,885,974 ; Nov. 1.
Mattress, Spring filled. L. E. Pittoni. 1,865,043 ; June 28.
Mattress stand. J. C. Sangers. 1,859,636 ; May 24.
Mattresses, Mechanism for sewing. J. F. Gail. 1,857,871 ; May 10.

Mausoleum, E. H. Walker and G. L. W. Mong. 1,858,722; May 17.
Mausoleum, Individual. L. C. Stephens. 1,880,335; Oct. 4.
Maximum inclination gauge. W. Gilbert. 1,851,169; Mar. 29.
Mayonnaise dispenser. C. R. Cheney. 1,862,883; June 14.
Mayonnaise, Stabilizing the consistency of. D. M. Gray. 1,883,367; Oct. 18.
Meal serving mat. M. A. L. Uhalt. 1,881,416; Oct. 4.
Measurement control, Method of and apparatus for. L. Behr. 1,870,982; Aug. 9.
Measurement of attenuation and noise. R. B. Schanck. 1,859,515; Aug. 2.
Measurement of cross talk. J. Herman. 1,888,266; Nov. 22.
Measurement of feet, lasts, and the like, Apparatus for the. H. Bradley. 1,858,914; May 17.
Measurement of mechanical impedance. P. B. Flanders. 1,850,425; Oct. 4.
Measurement of pressure differentials. C. A. Underwood. 1,869,400; Aug. 2.
Measurement of speed variations. M. S. Mead, jr. 1,854,949; Apr. 19.
Measurement of viscosity. C. D. Miller. 1,889,996; Dec. 6.
Measuring and dispensing can. H. E. Whitney. 1,853,481; Apr. 12.
Measuring and dispensing device. J. G. Moxey. 1,873,624; Aug. 23.
Measuring and feeding device for liquids. M. C. Carbonaro. 1,869,953; Aug. 2.
Measuring and feeding liquids, Apparatus for. M. Carbonaro. 1,883,762; Oct. 18.
Measuring and mixing apparatus. H. L. Young. 1,855,784; Apr. 26.
Measuring and recording instrument. R. D. Hickok and W. H. Rennick. 1,861,037; June 7.
Measuring and recording liquids in a predetermined quantity. K. Strichow. 1,846,280; Feb. 23.
Measuring and recording machine, Liquid. R. E. Enochs and H. W. Lawrence. 1,890,078; Dec. 6.
Measuring and severing moving articles, Apparatus for. K. W. Hallden. 1,844,573; Feb. 9.
Measuring apparatus. J. E. Barrow. 1,862,458; June 7.
Measuring apparatus. T. G. Castner. 1,864,527; June 28.
Measuring apparatus. H. C. Hayes. 1,847,243; Mar. 1.
Measuring apparatus. A. D. Mosby. 1,888,239; Nov. 22.
Measuring apparatus. L. C. Tryon. 1,841,995; Jan. 19.
Measuring apparatus. F. Wagner and H. C. Mitchell. 1,864,118; June 28.
Measuring apparatus. F. Wende. 1,889,719; Nov. 29.
Measuring apparatus. A. E. Young. 1,840,826; Jan. 12.
Measuring apparatus. A. E. Young. 1,856,528; May 3.
Measuring apparatus. A. E. Young. 1,865,996; July 5.
Measuring apparatus. A. E. Young. 1,887,254; Nov. 8.
Measuring apparatus. A. E. Young. 1,891,035; Dec. 13.
Measuring apparatus. J. Ziedins. 1,863,133; June 14.
Measuring apparatus, Liquid. G. Dubreuil. 1,846,852; Feb. 23.
Measuring apparatus, Resistance. C. A. Anderson. 1,859,860; May 24.
Measuring apparatus, Translucency. F. A. Pearson. 1,849,851; Mar. 15.
Measuring apparatus, Transparency. A. S. Fitzgerald. 1,848,874; Mar. 8.
Measuring cubical capacity of shoes, Device for. E. J. Bliss. 1,873,532; Aug. 23.
Measuring device. A. I. Dunn. 1,876,280; Sept. 6.
Measuring device. A. M. English. 1,849,542; Mar. 15.
Measuring device. J. F. Koeppen, jr. 1,875,019; Aug. 30.
Measuring device. E. B. Marlin. 1,867,367; July 12.
Measuring device. N. K. Parkhurst. 1,845,477; Feb. 16.
Measuring device. G. F. Raymond. 1,839,439; Jan. 5.
Measuring device. W. J. A. Sturtz, jr. 1,850,901; Mar. 22.
Measuring device. P. Williamson, jr. 1,870,393; Aug. 9.
Measuring device. J. Wise. 1,850,947; Mar. 22.
Measuring device, Batch. J. C. Miller. 1,845,093; Feb. 16.
Measuring device, Combination. A. C. Wood. 1,849,128; Mar. 15.
Measuring device, Foot. J. Fitzpatrick. 1,872,921; Aug. 23.
Measuring device, Foot. W. M. Scholl. 1,850,852; Mar. 22.
Measuring device for gaseous mixture analysis, Automatic. D. R. L. Follet. 1,850,871; Mar. 22.
Measuring device for machine tools. F. Turrettini. 1,854,634; Apr. 19.
Measuring device for milk powders. W. O. Frohring. 1,867,403; July 12.
Measuring device for paste tubes. H. A. Schell. 1,848,846; Mar. 8.
Measuring device for workholders. G. B. Lambert. 1,865,927; July 5.
Measuring device, Garment. V. Lentini. 1,847,219; Mar. 1.
Measuring device, Grain. A. J. Hartley. 1,875,725; Sept. 6.
Measuring device, Height. S. N. Hurt. 1,857,280; May 10.
Measuring device, Liquid. W. F. Horsting. 1,853,813; Apr. 12.
Measuring device, Thermionic. M. S. Mead, jr. 1,869,200; July 26.
Measuring device, Well-depth. R. H. McConahay. 1,890,159; Dec. 6.
Measuring-dispensing apparatus for fluids. J. C. Smith. 1,890,700; Dec. 13.
Measuring froth, Method and apparatus for. L. J. Christmann. 1,866,296; July 5.
Measuring instrument. H. Chireix. 1,874,899; Aug. 30.
Measuring instrument. L. Cook. 1,855,704; Apr. 26.
Measuring instrument. H. T. Faus. 1,847,936; Mar. 1.
Measuring instrument. R. T. Hurley. 1,848,952; Mar. 8.
Measuring instrument. A. E. Lee. 1,875,617; Sept. 6.
Measuring instrument. J. Mischker. 1,853,134; Apr. 12.
Measuring instrument. G. A. Montelius. 1,856,779; May 3.
Measuring instrument, Distance or map. C. Lendvay. 1,848,894; Mar. 8.
Measuring instrument, Electrical. I. W. Brogger. 1,846,182; Feb. 23.
Measuring instrument, Electrical. H. C. Parker. 1,840,635; Jan. 12.
Measuring instrument, Electrical. F. W. Roller. 1,880,055-6; May 24.
Measuring instrument, Hot wire. S. Loewe. 1,852,850; Apr. 5.
Measuring instrument or gauge. H. G. Riebeling. 1,864,472; June 21.
Measuring instrument, Road bearing pressure. F. J. Troll. 1,849,680; Feb. 9.
Measuring instrument, Shoulder. J. Brienza. 1,863,236; June 14.
Measuring instrument, Thermionic. B. W. St. Clair. 1,857,216; May 10.
Measuring instruments and controlling apparatus thereby, Apparatus for determining indications of. C. Paulson. 1,859,047; May 17.
Measuring machine. G. E. McLaughlin. 1,858,304; May 17.
Measuring machine. M. K. Parkhurst. 1,857,088; May 3.
Measuring mechanism, Automatic. J. M. Montgomery. 1,890,160; Dec. 6.
Measuring mechanism, Thread. H. G. Johnson. 1,868,663; July 26.
Measuring meter. R. V. Schroll. 1,877,061; Sept. 13.
Measuring moments of torsion, Device for. W. Späth. 1,839,354; Jan. 5.
Measuring production, Apparatus for. E. A. Hodge. 1,851,530; Oct. 11.
Measuring reverberation time, Apparatus for. F. L. Hopper. 1,868,105; July 19.
Measuring tank for concrete pavers, Water. G. E. Blood. 1,879,041; Sept. 27.
Measuring tank for concrete pavers, Water. F. W. De Viney. 1,879,910; Sept. 27.
Measuring the contents of gas containers, Apparatus for. C. Mott and G. G. Spencer. 1,871,075; Aug. 9.
Measuring the flight of a ball, Apparatus for. A. G. Tyler and E. F. Strickland. 1,857,207; May 17.
Measuring the intensity of ultraviolet rays. W. Frankenburger, R. Robl, and W. Zimmermann. 1,845,835; Feb. 16.
Measuring the output of refrigerating machines, Apparatus for. F. Schipper. 1,857,262; May 10.
Measuring the percentage of modulation, Apparatus for. J. D. Wallace. 1,884,934; Oct. 25.
Measuring unit for lubricating systems. G. L. Moore. 1,861,541-2; Oct. 11.
Meat, Apparatus for smoking. A. N. Benn. 1,891,906-7; Dec. 27.
Meat block cleaner. W. F. Scheppy. 1,856,887; May 3.
Meat cheese loaf, Preparing a. C. H. Parsons. 1,847,223; Mar. 1.
Meat chopper. A. Jahn. 1,879,279; Sept. 27.
Meat chopper. A. Jahn. 1,891,712; Dec. 20.
Meat clamp. E. G. Streckfuss. 1,884,351; Oct. 25.
Meat cutter. J. A. Klod. 1,869,220; July 26.
Meat for market, Preparing. R. W. Johns. 1,849,457; Mar. 15.
Meat forming carrier. A. N. Benn. 1,880,680; Oct. 4.
Meat for smoking, Apparatus for preparing. A. N. Benn. 1,891,467; Dec. 20.
Meat frencher. J. E. Bruce. 1,889,192; Nov. 29.
Meat hanging method. J. Burns. 1,863,743; June 21.
Meat hasher. T. P. Middleton. 1,889,688; Nov. 29.
Meat holding device. M. Lowenthal. 1,871,713; Aug. 16.
Meat holding method. C. C. Smith. 1,866,508; July 5.
Meat, Marking. H. H. McKee. 1,849,407; Mar. 15.
Meat, Method and apparatus for shaping. A. N. Benn. 1,880,679; Oct. 4.
Meat mold. J. Kipper. 1,856,564; May 3.
Meat mold. M. Vanderkloot. 1,863,609; June 21.
Meat press. W. Bellinghausen and M. Vanderkloot. 1,888,446; Nov. 22.
Meat press. N. J. Dziedzic. 1,866,510; July 5.
Meat product and producing the same. M. Cudahy. 1,880,837; Oct. 4.
Meat rack. W. A. Geiger. 1,863,714; June 21.
Meat sawing apparatus. E. W. Bleam. 1,872,656; Aug. 23.
Meat slicing machine. C. Held. 1,874,747; Aug. 30.
Meat stuffing machine. W. Bauer. 1,860,220; May 24.

Meat tenderer. A. E. Rosander and O. D. Schvartz. 1,887,892 ; Nov. 15.
Meats, Apparatus for curing. J. E. Rosberg. 1,858,600 ; May 17.
Meats, Apparatus for treating. J. E. Rosberg. 1,888,542 ; Nov. 22.
Mechanical arrangement for performing works. F. Hübl. 1,880,138 ; Sept. 27.
Mechanical contrivance for popular amusement. C. W. Thoerig and E. Jetlek. 1,885,643 ; Nov. 1.
Mechanical coupling. L. De Montgrand. 1,865,559 ; July 5.
Mechanical device for laying cloth or paper roof coverings. C. D. Hindall. 1,853,001 ; Apr. 5.
Mechanical figure. J. G. Connor. 1,885,837 ; July 5.
Mechanical integrating instrument. E. Guman. 1,887,593 ; Nov. 15.
Mechanical movement. J. Abegglen. 1,852,992 ; Apr. 5.
Mechanical movement. A. Andrews. 1,843,380 ; Feb. 2.
Mechanical movement. E. E. Cannon. 1,857,352 ; May 10.
Mechanical movement. G. C. Chase. 1,858,763 ; May 17.
Mechanical movement. A. Dina. 1,884,607 ; Oct. 25.
Mechanical movement. A. Dina. 1,884,610 ; Oct. 25.
Mechanical movement. C. E. Eubank. 1,840,359 ; Jan. 12.
Mechanical movement. T. C. Korsmo. 1,845,844 ; Feb. 16.
Mechanical movement. R. H. Lawson. 1,854,658 ; Apr. 19.
Mechanical movement. H. W. Morgan. 1,842,796 ; Jan. 26.
Mechanical movement. O. C. Mudd. 1,867,981 ; July 19.
Mechanical movement. G. V. Peck. 1,865,704 ; July 5.
Mechanical movement. C. A. Rasco. 1,870,749 ; Aug. 9.
Mechanical movement. R. J. Reaney. 1,857,871 ; May 10.
Mechanical movement. C. E. Schlenker and C. F. Heinkel. 1,867,385 ; July 12.
Mechanical movement. T. J. Smulski. 1,862,284 ; June 7.
Mechanical movement. A. J. Wanner. 1,873,230 ; Aug. 23.
Mechanically operated brake. E. R. Herren. 1,856,635 ; May 3.
Mechanism for patterning control of knitting machines. J. and R. H. Lawson. 1,853,301 ; May 17.
Mechanism for raising columns, beams, etc. C. D. Marshall. 1,886,892 ; Nov. 8.
Mechanism for setting buttons or the like. F. S. Calloway. 1,874,482 ; Aug. 30.
Mechanism for supplying lengths of wire. A. E. Blashill. 1,843,104 ; Feb. 2.
Mechanism for testing ignition of automobiles. B. J. Haskins. Re18,596 ; Sept. 13.
Mechanism for traversing a recording medium. H. L. Warwick. 1,887,766 ; Nov. 15.
Mechanism normally operated from a keyboard. A. Thomas. 1,876,097 ; Sept. 6.
Medal. E. Knepper. Des. 87,841 ; Sept. 27.
Medallion. B. Cohen. Des. 87,661 ; Aug. 30.
Medallion for containers, stoppers, or the like. F. E. A. W. Bergaud. Des. 88,069 ; Oct. 25.
Medallion frame for radiator guards. W. B. Rood. 1,841,675 ; Jan. 19.
Medallion or similar article. S. S. Bradley. Des. 87,425 ; July 26.
Medical diagnostic device. L. J. B. Gluzek. 1,842,323 ; Jan. 19.
Medical couche. G. L. Sorensen. 1,889,425 ; Nov. 29.
Medical dressing. W. M. Scholl. 1,845,630 ; Feb. 16.
Medical tablet. W. J. Kirk. 1,881,197 ; Oct. 4.
Medicament carrier. J. Jacobs. 1,850,486 ; Jan. 5.
Medicinal apparatus. Y. Kawai. 1,866,772 ; July 12.
Medicinal container or similar article. H. B. Lermer. Des. 87,844 ; Sept. 27.
Medicinal spray. J. B. Schmitt. 1,887,949 ; Nov. 15.
Medicine and producing same, Vermifuge. W. A. Konantz. 1,839,970 ; Jan. 5.
Medicine glass. E. Schneider. 1,839,268 ; Jan. 5.
Mediums, Apparatus for separating flowing. F Bartling. 1,865,425 ; July 5.
Mediums for inhibiting the perishing of artificial and natural varieties of rubber. W. Kropp and Rosenthal. 1,842,989 ; Jan. 26.
Melting and refining apparatus, Mobile. F. M. Hargrave. 1,855,961 ; Apr. 26.
Melting furnace. H. A. Brassert. 1,880,012 ; Sept. 27.
Membrane to bag ends, Method of and apparatus for adding supplemental. A. E. Currier. 1,880,839 ; Oct. 4.
Memorandum device, Desk. G. P. Randolph. 1,875,146 ; Aug. 30.
Memorandum pad. B. Settel. 1,881,140 ; Oct. 4.
Memorandum pad attachment for telephones. J. D. Boehler. 1,848,240 ; Mar. 8.
Memorial tablet. F. W. Sprerr. 1,844,048 ; Feb. 9.
Menthenes, Production of. W. Schoeller, H. Jordan, and K. Schollkopf. 1,879,767 ; Sept. 27.
Menthol pencil and inhaler, Combined. F. Lobl. Des. 88,659 ; Dec. 13.
Mercaptans, Making. J. M. F. Leaper. 1,842,414 ; Jan. 26.
Mercapto-aryl-thiazoles, Manufacture of. W. Scott. 1,858,344 ; May 17.
Mercaptobenzothiazole, Manufacturing. A. M. Clifford. 1,891,198 ; Dec. 13.
Mercapto benzothiazole, Manufacture of. W. E. Messer. 1,865,477 ; July 5.
Mercerizing. H. W. Butterworth, jr. 1,861,490 ; June 7.
Mercerizing. C. W. Zahn. 1,851,795 ; Mar. 29.
Mercerizing machine. A. A. Bossbard. 1,875,984 ; Sept. 6.
Merchandise display device. S. Eisenberg and A. J. Catanzaro. 1,854,295 ; Apr. 19.
Merchandise vending apparatus. P. P. Scheurer. 1,890,753 ; Dec. 13.
Merchandise vending machine. A. A. Knee. 1,845,879 ; Feb. 16.
Merchandising and display table. L. S. Anderson. 1,888,649 ; Nov. 22.
Merchandising machine. V. E. Wheatcroft. 1,855,618 ; Apr. 26.
Mercuri derivatives of resorcin iodinated sulphone phthaleins, Hydroxy. F. Dunning. 1,863,268 ; June 14.
Mercury are device with grid control. V. K. Zworykin and D. Uirey. 1,856,087 ; May 3.
Mercury are rectifier. C. Krämer. 1,869,156 ; July 26.
Mercury-are rectifier. F. B. von Kleist. 1,867,291 ; July 12.
Mercury are rectifier support. W. Höpp. 1,857,193 ; May 10.
Mercury arrester, High voltage. R. Mitsuda. 1,887,874 ; Nov. 15.
Mercury boiler. B. P. Coulson, jr. 1,861,264–5 ; May 31.
Mercury boiler. G. D. Ebbets. 1,883,635 ; Oct. 18.
Mercury boiler. T. Griswold, jr. 1,890,429 ; Dec. 6.
Mercury bulb switches, Manufacture of electric. I. E. McCabe and K. Hunciker. 1,872,070 ; Aug. 16.
Mercury derivative of halogenated fluoresceins. E. C. White. 1,860,003 ; May 24.
Mercury derivatives of di-halogenated resorcin sacchareins. E. C. White. 1,861,373 ; May 31.
Mercury derivatives of halogenated sulphone phthaleins. F. Dunning and A. E. Stickels. 1,863,241 ; June 14.
Mercury into discharge tubes and apparatus therefor, Introducing. M. Bareiss and E. Wiegand. 1,855,901 ; Apr. 26.
Mercury printing apparatus and process. A. W. Stephenson. 1,854,719 ; Apr. 19.
Mercury switch. P. S. Bear. 1,872,223 ; Aug. 16.
Mercury switch. T. A. Both. 1,878,667 ; Sept. 20.
Mercury switch. G. F. Callahan. Re18,525 ; July 12.
Mercury switch. P. K. Cramblet. 1,850,448 ; Mar. 22.
Mercury switch. P. K. Cramblet. 1,880,829–30 ; Oct. 4.
Mercury switch. P. K. Cramblet. 1,880,832 ; Oct. 4.
Mercury switch. C. Hatay. 1,861,631 ; June 7.
Mercury switch. C. J. Warnke. 1,883,146 ; Oct. 18.
Mercury switch, Enclosed. K. Hunciker. 1,882,614 ; Oct. 11.
Mercury switch with plunging core. C. Hatay. 1,861,630 ; June 7.
Mercury vapor rectifier. E. Kern. 1,859,875 ; May 24.
Mercury vaporizing apparatus. J. J. Grebe. 1,887,807 ; Nov. 15.
Merry-go-round. H. D. Clayton. 1,878,758 ; Sept. 20.
Merry-go-round. C. E. and E. F. Hoppes. 1,864,733 ; June 28.
Merry-go-round. R. T. Jones. 1,854,588 ; Apr. 19.
Merry-go-round. R. T. Jones. 1,881,646 ; Oct. 11.
Merry-go-round. J. A. Scharf. 1,866,490 ; July 5.
Merry-go-round, Kiddie propelled. A. C. Holt. 1,887,410 ; Nov. 8.
Mesh fabric, Metallic. S. G. Mandallan. Des. 86,792 ; Apr. 19.
Mesh for reenforcing concrete asphalt and like material, Steel or metal. A. P. Gupwell. 1,879,207 ; Sept. 27.
Mesh machine. F. H. Lynds. 1,888,277 ; Nov. 22.
Message distributing system for simplex printer concentration units. W. B. Blanton. 1,880,723 ; Oct. 4.
Meta styrene, Chlorination of. H. B. Dykstra. 1,890,772 ; Dec. 13.
Metahelium factor, Basal. E. I. McKesson. 1,863,929 ; June 21.
Metal abrasive material, Making. D. Martin. 1,886,285 ; Nov. 1.
Metal alloy, Light. R. J. Norton. 1,880,467 ; Oct. 4.
Metal alloy, Light. P. Pritchard. 1,854,953 ; Apr. 19.
Metal alloys and producing the same. D. Gray, R. O. Bailey, and W. S. Murray. 1,847,941 ; Mar. 1.
Metal alloys, Forming. J. O. Betterton. 1,882,749 ; Oct. 18.
Metal and article made therefrom, Noncorrosive. F. Nicodemo. 1,859,749 ; May 24.
Metal and forming the same, Porous. C. F. Sherwood. 1,872,223 ; Aug. 23.
Metal, Apparatus for the manufacture of expanded. H. K. Baker. 1,890,276 ; Dec. 6.
Metal, Apparatus for and method of handling liquid. F. X. Temmen. 1,866,682 ; July 12.
Metal, Apparatus for bending sheet. A. N. Merryman. 1,870,260 ; Aug. 9.
Metal, Apparatus for dividing. L. C. Shippy. 1,861,758 ; June 7.
Metal apparatus for receiling strip. C. E. Bedell and W. and A. J. Castle. 1,869,004 ; July 26.
Metal, Apparatus for rolling strip. B. R. Shover. 1,841,645 ; Jan. 19.
Metal article and making the same, Protected. A. W. Coffman. 1,862,332 ; June 7.
Metal article and method of and composition for producing said article, Coated. R. R. Tanner and V. M. Darsey. 1,883,193 ; Nov. 15.
Metal article, Protected. J. E. Burns. 1,863,186 ; June 14.

Metal article, Wrought. W. H. Bassett. 1,881,257; Oct. 4.
Metal articles, Assembling. C. G. Schott. 1,840,534; Jan. 12.
Metal articles, Cleaning. H. S. George. 1,859,736; May 24.
Metal articles, Making. W. Schubardt and L. Schlecht. 1,832,987; Oct. 18.
Metal articles, Making thin walled. B. Stockfleth. 1,892,173; Dec. 27.
Metal articles, Manufacture of pointed tubular. S. J. Everett. 1,891,304; Dec. 20.
Metal articles, Manufacture of shaped. W. Mackie. 1,868,213; July 19.
Metal articles, Reinforcing thin-walled. A. Hainlen. 1,886,396; Nov. 8.
Metal articles, Treatment of. F. Bamblett. 1,878,096; Sept. 20.
Metal bands, especially lines, for typographic purposes, Device for the working of. J. Wagner and W. Krostowitz. 1,891,670; June 7.
Metal bars, Manufacture of hollow. M. Brown. 1,857,620; May 10.
Metal bars, Manufacture of hollow. L. Nordenfelt. 1,847,019; Feb. 23.
Metal beading and trimming machine, Sheet. G. M. Horvath. 1,880,958; Mar. 22.
Metal beading machine, Sheet. H. S. Powell. 1,890,588; Dec. 13.
Metal blanking press. L. F. Sickler and P. J. Linstrom. 1,854,630; Apr. 19.
Metal billets, bars, and the like, Manufacture of. F. W. and H. Lanchord. 1,891,813; Dec. 20.
Metal binding means for vines. O. Weber. 1,851,224; Mar. 29.
Metal bulk and forming same. J. P. Tarbox. 1,851,023; Mar. 29.
Metal blooms, Cooling centrifugally cast hollow. W. Koehn. 1,889,671; Nov. 29.
Metal bodies, Degasifying. J. H. Ramage. 1,842,200; Jan. 19.
Metal bodies, Manufacture of refractory. C. J. Smithells. 1,857,219; May 10.
Metal bodies, Removing defects from. C. E. Spigelmire and R. M. Walters. 1,861,760; June 7.
Metal bodies, Structurally modifying the surface of. O. E. Andrus. 1,866,538; July 12.
Metal box. F. Moran. 1,884,107; Oct. 25.
Metal building construction. R. P. Hutchinson. 1,863,692; June 21.
Metal building framing element construction. E. Heller. 1,852,910; Oct. 25.
Metal building screen. C. E. Britten. 1,870,486; Sept. 6.
Metal building structure. M. G. Clark. 1,852,002; Apr. 5.
Metal articles, Making. W. F. Stoody and T. Relling. 1,876,175; Sept. 6.
Metal carbonyls, Production of. L. Schlecht and E. Keunecke. 1,832,941; Apr. 19.
Metal carbonyls, Production of. L. Schlecht, E. Keunecke, and W. Schubardt. 1,858,220; May 10.
Metal, Casting freely oxidizable. J. Gann and M. E. Brooks. 1,886,252; Nov. 1.
Metal casting machine. J. Carle. 1,879,076; Sept. 27.
Metal, Centrifugally, Casting. F. G. Carrington. 1,858,478; May 17.
Metal channel section, Special. A. E. Wilkoff and O. J. Nyberg. 1,857,704; May 10.
Metal chlorides, Production of anhydrous K. Stalb. 1,878,013; Sept. 20.
Metal, Cleaning. H. C. Mougey. 1,872,091; Aug. 16.
Metal cleaning compound. G. Jones. 1,848,016; Mar. 1.
Metal clip for plaster board or lath. R. J. Taylor. 1,862,391; June 7.
Metal coated parts, Apparatus for treating. D. W. Martin and J. J. Whalin. 1,850,762; Mar. 22.
Metal coating. H. W. Theiss. 1,869,784; Aug. 2.
Metal coating apparatus. W. E. Moore. 1,881,089; Oct. 4.
Metal coating furnace. T. B. Boyd. 1,866,795; July 12.
Metal, Cold rolling. W. C. Corvell. 1,877,645; Sept. 13.
Metal complex compounds, Stable solutions of. H. Schmidt. 1,873 668; Aug. 23.
Metal complex compound. H. Schmidt. 1,889,383; Nov. 29.
Metal composition and making the same, Hard. S. L. Hoyt. 1,843,768; Feb. 2.
Metal compounds, Manufacture of alkyl. D. K. Proffitt and G. Sharron. 1,863,451; June 14.
Metal compounds of azo-dyestuffs and making same. F. Straub and W. Anderau. 1,843,634; Feb. 2.
Metal compounds of azo-dyestuffs and making same. F. Straub and W. Anderau. 1,857,572; May 10.
Metal compounds of azo-dyestuffs and making same. F. Straub, H. Schneider, and H. Barnhard. 1,887,002; Nov. 15.
Metal compounds of o-hydroxy-azo dyestuffs, Production of complex. H. Krzikalla, K. Holzach, and W. Mueller. 1,867,083; July 12.
Metal, Corrugating sheet. R. R. Robertson. 1,885,294; Nov. 1.
Metal cutting machine. F. R. Eldredge, G. W. Newman, and J. B. Phillips. 1,862,668; June 14.
Metal cutting machine. C. L. Gray. 1,849,829; Mar. 15.
Metal cutting machine. W. H. Welch. 1,840,684; Jan. 12.
Metal cutting machine. W. H. Welch. 1,848,288; Mar. 8.
Metal cutting machine, Sheet. F. J. Moore. 1,852,534; Apr. 5.
Metal cutting shear. K. W. Nebel and B. Schubert. 1,842,943; Jan. 26.
Metal decking. A. W. Rammage. 1,847,980; Mar. 1.
Metal depositing. J. E. Grenagle. 1,854,790; Apr. 19.
Metal drawing press, Hydraulic. W. Ernst. 1,861,337; May 31.
Metal, Embossing sheet. W. J. Pannier, jr. 1,856,928; May 3.
Metal extruding apparatus. D. L. Summey. 1,859,753; May 24.
Metal extrusion. C. D. Skinner. 1,847,365; Mar. 1.
Metal extrusion press. O. Schlenstedt. 1,859,473; May 24.
Metal extrusion press. O. Schlenstedt. 1,859,990; May 24.
Metal feeding roller. O. Mitchell. 1,840,049; Jan. 5.
Metal film, Anodic removal of surface. T. E. Dunn. 1,867,527; July 12.
Metal fins to tubes or cylinders, Apparatus for securing. A. J. Berg. 1,863,553; June 14.
Metal fins to tubes or cylinders, Securing. A. J. Berg. 1,863,552; June 14.
Metal flashing. P. M. Burgess. 1,889,771; Dec. 6.
Metal flashing. A. Cheney. 1,871,585; Aug. 16.
Metal flashing. E. H. Friedrich. 1,843,948; Feb. 9.
Metal floating on fused electrolyte and means therefor, Segregating light. T. Griswold, jr. 1,845,266; Feb. 16.
Metal for use in unidirectional current carrying devices, Preparing. L. O. Grondahl. 1,863,843; June 21.
Metal from coated metal foils, Recovery of. R. B. Derr. 1,869,844; Aug. 2.
Metal from coated metal foils, Recovery of. R. B. Derr. 1,869,886; Aug. 2.
Metal from ores, minerals, and other materials, Extracting. A. R. Gibson. 1,891,532; Dec. 20.
Metal, Fusible. S. L. Palmer. 1,882,872; Oct. 18.
Metal, Hardening and tempering. J. Landon. 1,881,320; Oct. 4.
Metal heading machine. J. E. Pracny. 1,889,004; Nov. 29.
Metal heating furnace. M. S. Amburgy. 1,868,866; July 26.
Metal hoop. A. M. Walstrom. 1,842,778; Jan. 26.
Metal in the production of commercial bars, Apparatus for utilizing waste and scrap. J. W. Ames. 1,847,857; Mar. 1.
Metal joint, Sheet. G. D. Overholtz. 1,856,167; May 3.
Metal lath slitting press. W. C. Coryell. 1,877,819; Sept. 20.
Metal lever, Stamped sheet. M. F. Strebe, C. K. Lenning, and F. W. Zink. 1,857,573; May 10.
Metal, Making laminated. S. L. Ingersoll. 1,868,749; July 26.
Metal, Manufacture of expanded. H. K. Baker. 1,890,173; Dec. 6.
Metal, Manufacturing sheet. L. C. Steele. Re18,551; Aug. 2.
Metal, Method and apparatus for forming corrugated. R. C. Pfeil and R. R. Bloss. 1,856,151; May 3.
Metal, Method and apparatus for shipping. R. T. Rorne. 1,876,758; Sept. 13.
Metal, Method and apparatus for working. G. B. Coe. 1,890,803; Dec. 13.
Metal, Method and machine for working. J. W. Hughes. 1,855,449; Apr. 26.
Metal, Method of and apparatus for working. G. E. Neuberth. Re18,329; Jan. 12.
Metal milling machine. R. J. McLeod. 1,890,399; Dec. 6.
Metal mixtures into their different components, Separating. J. Kohlmeyer. 1,846,738; Feb. 23.
Metal naphthenate, Heavy. R. M. Gerlach. 1,875,999; Sept. 6.
Metal nitrates, Producing hydrated. A. L. Mohler. 1,844,862; Feb. 9.
Metal normalizing furnace, Sheet. E. E. McVey and W. F. Bartholomew. 1,858,678; May 17.
Metal objects, Constructing heavy. E. J. and C. Bartels. 1,848,559; Mar. 8.
Metal objects, Forming decorated. A. O. Johnson. 1,866,110; July 5.
Metal or pewter alloy, Britannia. J. H. Konigsberg. 1,869,378; Aug. 2.
Metal oxides, Making finely divided. A. Mittasch, R. Lucas, and R. Griessbach. 1,850,286; Mar. 22.
Metal panel. M. S. Hart, G. H. Anderson, and G. A. MacDonald. 1,848,715; Mar. 8.
Metal patterns, Apparatus and process for making. A. K. Laukel. 1,845,052; Feb. 16.
Metal planking for railway crossings. E. M. Bradley. 1,843,062; Jan. 26.
Metal plate construction and forming the same. R. F. Smith. 1,865,284; June 28.
Metal plate structure C. H. Hoffstetter. 1,848,719; Mar. 8.
Metal plates, Connecting. B. T. Andren. 1,872,616; Aug. 16.
Metal plates, Embossing. R. Stresau. 1,872,193; Aug. 16.
Metal plates for dentures. Process and apparatus for forming. G. Van Allen. 1,840,991; Jan. 12.
Metal plating, Apparatus for. K. C. Monroe. 1,870,958; Aug. 9.

Metal pole for electric power systems. P. Sporn. 1,891,750; Dec. 20.
Metal powder. W. Schubardt. 1,857,879; May 10.
Metal powders by electrolysis, Preparation of rare refractory. F. H. Driggs. 1,874,090; Aug. 30.
Metal, Production of expanded. H. M. Gersman. 1,850,543; Mar. 22.
Metal, Production of expanded. H. A. Kessler. 1,845,980; Feb. 16.
Metal, Production of expanded. H. A. Kessler. 1,864,597; June 28.
Metal products and making same, Colloidal. F. Wilcoxon. 1,866,069; July 5.
Metal punch machine, Sheet. G. T. Balfe. 1,843,438; Feb. 2.
Metal, Purifying light. J. A. Gann. 1,871,316; Aug. 9.
Metal, Reclaiming scrap. H. W. Thomas, jr. 1,882,528; Oct. 11.
Metal reenforcement for structural reenforced concrete members. B. Duchscher. 1,871,594; Aug. 16.
Metal refining. G. O. Betterton. 1,853,535–7; Apr. 12.
Metal refining. G. S. Evans. 1,841,020; Jan. 12.
Metal refinisher. C. D. Ellithorpe. 1,871,674; Aug. 16.
Metal repair device for pipe lines, Wrought. J. E. Walborn. 1,877,094; Sept. 13.
Metal rods, Treatment of. M. Morgan. 1,844,135; Feb. 9.
Metal roll. W. H. Seaman. 1,857,825; May 10.
Metal, Rolling. V. E. Edwards. 1,861,525; June 7.
Metal rolling, Method of and apparatus for. S. E. Diescher and C. W. W. Koelkebeck. 1,878,117; Sept. 20.
Metal rolling mill. J. L. Lane and A. H. Moore. 1,850,865; Mar. 22.
Metal rolling mill. E. Röber. 1,841,155; Jan. 12.
Metal rolling process, Sheet. J. B. Tytus. 1,842,220; Jan. 19.
Metal rolling, Sheet. R. R. Smith, W. F. Songer, and L. A. Salender. 1,879,829; Sept. 27.
Metal, Rolling strip. B. R. Shover. 1,887,248; Nov. 8.
Metal salts of halogen substituted quinoline carboxylic acids and the products, Making. M. Dohrn and A. Thiele. 1,846,321; Feb. 23.
Metal sections, Making curved. F. E. Kling. 1,840,512; Jan. 12.
Metal sections, Method of and apparatus for assembling. G. Rapsey. 1,872,810; Aug. 23.
Metal shaping machine. A. E. Robinson and W. L. Schellenbach. 1,847,446; Mar. 1.
Metal sheets. H. Lewis. 1,885,438; Nov. 1.
Metal sheet feeding mechanism. C. Wagner and A. Hormel. 1,848,856; Mar. 8.
Metal sheets and strips, Rolling. R. H. Norton. 1,839,332; Jan. 5.
Metal sheets, Apparatus for expanding slitted. G. W. Lentz. 1,839,774; Jan. 5.
Metal sheets, Apparatus for treating. E. and E. F Griffiths. 1,855,107; Apr. 19.
Metal sheets, Apparatus for treating. H. E. McCrery. 1,867,856; July 19.
Metal sheets for annealing, Preparing. L. D. Drefahl. 1,856,751; May 3.
Metal sheet, Rolling. F. E. Flynn. 1,860,613; May 31.
Metal sheet stacking machine. J. W. Steele and A. Deitch. 1,892,590; Dec. 27.
Metal, Shipping. R. T. Romine. 1,849,692; Mar. 15.
Metal stamping, Sheet. C. Kirchner. 1,841,820; Jan. 19.
Metal stampings, Making. W. J. Meinel. 1,860,683; May 31.
Metal stock for use in pipe making, Method of and apparatus for preparing. J. R. George. 1,852,237; Apr. 5.
Metal stock, Method and apparatus for leveling and shearing. L. Iversen. 1,890,221; Dec. 6.
Metal strip, Apparatus for handling and shearing. C. G. Gibbons. 1,851,131; May 5.
Metal strip, Rolling. A. P. Steckel. 1,857,670; May 10.
Metal strips and sheets, Method of and apparatus for the rolling of. R. H. Norton and W. C. Fork. 1,839,333; Jan. 5.
Metal strips, Apparatus for forming. F. W. Foley and A. T. Sweet. 1,879,336; Sept. 27.
Metal structural member, Fabricated. J. H. Dean. 1,852,042; Apr. 5.
Metal structural unit. P. F. McCool. 1,869,110; July 26.
Metal structures, Sheet. F. Lane. 1,870,914; Aug. 9.
Metal structures, Making. H. E. White and W. F. Schulz. 1,880,003; Sept. 27.
Metal surfaces, Decorating. R. M. Allard. 1,874,689; Aug. 30.
Metal surfaces, Method and material for coating. J. S. Thompson and R. R. Tanner. 1,869,121; July 26.
Metal surfaces, Ornamenting. U. D'Atri. 1,845,016; Feb. 16.
Metal surfaces with acid solutions, Treating. J. C. Vignos. 1,843,653; Feb. 2.
Metal tempering process. J. W. Brannon. 1,843,200; Feb. 2.
Metal, Testing sheet. E. Siebel. 1,892,013; Dec. 27.
Metal to shearing devices, Apparatus for feeding. F. C. Bigger jr. 1,850,340; Mar 24.
Metal, Treating. W. O. Amsler. 1,890,485; Dec. 13.
Metal treating furnace. C. T. Willard and R. Kaler. 1,860,005; May 24.
Metal treating process. G. Purnell. 1,886,835; Nov. 8.
Metal trim. R. Waltc. 1,886,320; Nov. 1.
Metal tube. G. E. Neuberth. 1,842,280; Jan. 19.
Metal under pressure, Apparatus for casting molten. R. H. V. Christensen. 1,846,087; Feb. 23.
Metal unit building system. J. C. Broderick. 1,849,273; Mar. 15.
Metal ware, Apparatus for cleaning and polishing. H. E. Beckett. 1,840,429; Jan. 12.
Metalware, Finishing. A. L. Fabens. 1,851,982; Mar. 29.
Metal ware, Manufacture of sheet. E. Turnquist. 1,873,164; Aug. 23.
Metal wheel. J. W. Vanderveer. 1,857,747; May 10.
Metal wheel. G. Walther. 1,839,453; Jan. 5.
Metal wheel. G. Walther. 1,864,701; June 28.
Metal wheel. G. Walther. 1,878,213; Sept. 20.
Metal wheel. G. Walther. 1,884,936; Oct. 25.
Metal work, Annealing. L. L. Lewis. 1,870,126; Aug. 2.
Metal work, Composite. L. Spencer. 1,866,583; July 12.
Metal working. F. F. Wilson. 1,852,765; Apr. 5.
Metal working machine. B. A. Birkett. 1,840,657; Jan. 12.
Metal working machine. J. M. Christman. 1,876,204; Sept. 6.
Metal working machine. M. S. Curtis. 1,880,843; Oct. 4.
Metal working machine. R. W. Glasner and F. J. Rode. 1,849,711; Mar. 15.
Metal working machine. H. Krebs. 1,876,248; Sept. 6.
Metal working machine, Sheet. E. M. Clark. 1,858,578; May 17.
Metal working machinery and method. W. B. Peirce. 1,848,835; Mar. 8.
Metal working machines, Feeding mechanism for. W. L. Cleone. 1,856,027; Apr. 26.
Metal working press. R. W. Glasner and F. J. Rode. 1,866,559; July 12.
Metal working press. R. W. Glasner and F. J. Rode. 1,866,595; July 12.
Metal working press. F. J. Rode. 1,879,510; Sept. 27.
Metal working press. F. J. Rode and R. W. Glasner. 1,846,439; Feb. 23.
Metal working process. C. R. Short. 1,840,641; Jan. 12.
Metallic articles, Production of shaped. L. Schlecht, W. Schubardt, and F. Duftschmid. 1,882,372; Oct. 18.
Metallic box. J. Knaggs. 1,876,303; Sept. 6.
Metallic bunch and making it. J. W. Gottscalk and S. W. Greer. 1,886,671; Nov. 8.
Metallic composition and making the same, Colloidal fungicidal. H. W. Banks, 3rd. 1,853,397; Apr. 12.
Metallic gripper, Grommet-fastened. C. Chesler. 1,890,368; Dec. 6.
Metallic means for gripping fabrics. L. W. Joyce. 1,846,005; Feb. 16.
Metallic meshing netting and like fabric, Method of and apparatus for use in the manufacture of. C. Cosgrove and A. E. Chadwick. 1,878,702; Sept. 20.
Metallic parts, Cleaning of. S. R. Mason. 1,839,488; Jan. 5.
Metallic plate, Corrugated. V. E. Sisson. 1,850,962; Mar. 22.
Metallic plates, Fabrication of embossed. A. D. Wood. 1,856,898; May 3.
Metallic retaining members, Apparatus for forming. J. B. Menzl. 1,877,004; Sept. 13.
Metallic section and making the same, Seamless hollow. C. W. Hall. 1,839,919; Jan. 5.
Metallic spray, Method and apparatus for creating. T. E Bridger. 1,887,577; Nov. 15.
Metallic stock, Method of and apparatus for shaping. E. Giacchino. 1,849,185; Mar. 15.
Metallic strand, Composite. V. E. Legg. 1,841,486; Jan. 19.
Metallic strap, Flexible. W. Forstner. Des. 87,462; Aug. 2.
Metallic structure. F. Fillod. 1,863,746; June 21.
Metallic structures, Method and apparatus for forming hollow. J. L. Adams, jr. 1,866,609; July 12.
Metallic-sulphide particles, especially low-grade copper mattes, direct to black copper, Blowing cupriferous. H. Maschmeyer. 1,853,627; Apr. 12.
Metallic surfaces, Preserving. J. C. Vignos. 1,855,035; Apr. 19.
Metallic tube. Semicollapsible. W. G. Edwards. 1,844,215; Feb. 9.
Metallic wastes from gas washers for metallurgical furnaces, Recovery of. A. L. Genter. 1,847,179; Mar. 1.
Metallizing, Process of. M. Ow-Eschingen. 1,890,645; Dec. 13.
Metallurgical apparatus. H. Neuhauss. 1,876,732; Sept. 13.
Metallurgical device. W. J. Chapin. 1,854,179; Apr. 19.
Metallurgical furnace. E. H. Bunce, C. J. Lentz, and G. T. Mahler. 1,863,185; June 14.
Metallurgical furnace. H. J. Hartley, F. B. Schilling, and G. E. Connolly. 1,842,782; Jan. 26.
Metallurgical furnace. L. S. Longnecker. 1,874,321; Aug. 30.
Metallurgical process. J. Alingham. 1,870,703; Aug. 9.
Metallurgical process. E. F. Meyer. 1,870,863; Aug. 9.
Metallurgical process for the making of ferrous metals. J. G. Dudley and J. G. Pearce. 1,888,312; Nov. 22.
Metallurgy. C. D. Russell. 1,850,416; Mar. 22.

Metallurgy of complex ores. O. C. Ralston. 1,851,594; Mar. 29.
Metallurgy of ores or materials containing tin. E. A. Ashcroft. 1,843,060; Jan. 26.
Metals and alloys, Melting and deoxidizing. W. Reitmeister. 1,856,293; May 3.
Metals and alloys with compositions containing "lithium-alkali" alloys and products resulting from such treatments, Treating molten ferrous. H. Osborg. 1,869,497; Aug. 2.
Metals and alloys with compositions containing lithium and products resulting from such treatment, Treating molten. H. Osborg. 1,869,495; Aug. 2.
Metals and alloys with compositions containing lithium products resulting from such treatment, Treating molten. H. Osborg. 1,869,980; Aug. 2.
Metals and apparatus therefor, Effecting the pressing of. G. Benedetto. 1,878,810; Sept. 20.
Metals and making alloys, Reducing and converting. P. A. E. Armstrong. 1,855,176; Apr. 26.
Metals and metal alloys, Device for the refining, mixing, and purifying of molten. F. W. Corsali. 1,863,686; June 21.
Metals, Apparatus for comminuting. H. M. Williams and W. W. Bibbins. 1,866,679; May 3.
Metals, Apparatus for electrolytically refining precious V. Engelhardt, G. Eger, and H. Hein. 1,857,590; May 10.
Metals, Apparatus for melting. L. R. Zifferer, H. N. Albright, and H. E. Champion. 1,884,933; Oct. 25.
Metals, Apparatus for the electrolytic deposition of. M. Devecis. 1,873,826; Aug. 23.
Metals at elevated temperatures, Determining the safe working stress of. W. Barr and W. E. Bardgett. 1,888,735; Nov. 22.
Metals, Breaking down of. V. L. Dickson. 1,874,253; Aug. 30.
Metals by electrolysis, Producing rare. F. H. Driggs and W. C. Lilliendahl. 1,861,625; June 7.
Metals by electrolytic decomposition of their fused double halogen compounds, Preparation of rare. F. H. Driggs. 1,842,254; Jan. 19.
Metals, Carbonizing. H. M. Elsey. 1,851,573; Mar. 29.
Metals, Case hardening. R. J. Cowan. 1,888,491; Nov. 22.
Metals, Casting easily oxidizable. R. T. Wood. 1,868,453-6; July 19.
Metals, Casting easily oxidizable. R. T. Wood and F. C. Frary. 1,868,457; July 19.
Metals, Casting molten. B. E. Eldred. 1,868,099; July 19.
Metals, Casting readily oxidizable. J. A. Gann. 1,871,315; Aug. 9.
Metals, Casting readily oxidizable. W. Wm. Smith. Re18,652; Nov. 15.
Metals, Cleaning. G. Jones. 1,846,733; Feb. 23.
Metals, Cleaning and pickling. W. L. Semon. 1,852,194; Apr. 5.
Metals, Concentration of. S. Tucker. 1,843,526; Feb. 2.
Metals, Decorating and etching. J. C. McFarland. 1,857,929; May 10.
Metals directly into a solid fabricated state, Conversion of molten. H. Harris. 1,850,668; Mar. 22.
Metals for electroplating, Preparing. A. F. Francis. 1,878,837; Sept. 20.
Metals from metallic initial materials, Separating and recovering nonferrous. W. Witter. 1,864,161; June 21.
Metals from ores, Obtaining. C. Goetz. 1,852,965; Apr. 5.
Metals from their ores, Recovery of. L. G. Jenness. 1,863,599; June 21.
Metals from zinc plant residue, Recovery of. U. C. Tainton. 1,864,777; June 28.
Metals in cupola furnaces, Melting. M. L. Hamlin. 1,862,571; Oct. 11.
Metals in sand molds, Casting light. E. Player. 1,876,073; Sept. 6.
Metals, Liquation of. J. O. Betterton. 1,853,541; Apr. 12.
Metals of the alkalis or alkaline earths, Electrolytic production of. W. Siecke. 1,882,525; Oct. 11.
Metals of the third periodic group, Recovering certain. F. G. McCutcheon. 1,855,455; Apr. 26.
Metals of the third periodic group, Recovering certain. F. G. McCutcheon. 1,886,825; Nov. 8.
Metals on an inconvertible base, Precipitating. A. E. Van Arkel, J. H. De Boer, and W. Koopman. 1,891,124; Dec. 13.
Metals or alloys of base metals, Decorating base. J. C. McFarland. 1,862,231; June 7.
Metals out of their ores, Reduction of. E. A. A. Grönwall and N. J. H. Nathorst. 1,850,009; Mar. 15.
Metals, Pickling ferrous. W. McElhaney. 1,892,312; Dec. 27.
Metals, Process and products in the art of forming, machining, and the recovery of the products thereof. G. J. L. Brown and W. W. Varney. 1,864,889; June 28.
Metals, Production of pure. L. Schlecht and F. Duftschmid. 1,864,673; June 28.
Metals, Purification of. F. Wever. Re18,378; Mar. 8.
Metals, Refining and purification of. G. F. Doran. 1,857,947; May 10.
Metals, Separating. R. Teats. 1,869,213; July 26.
Metals, Treating. F. J. Metzger. 1,851,861; Mar. 29.
Metals, Treating. H. Osborg. 1,869,496; Aug. 2.
Metals, Treating. H. Osborg. 1,869,979; Aug. 2.
Metals, Treating non-ferrous. B. F. Hardesty. 1,841,599; Jan. 19.
Metatarsal pad, Adjustable and removable. R. H. Johnson. 1,866,598; July 12.
Meter: *See*—
Batch meter.
Boat meter.
Chlorine meter.
Compound meter.
Curb meter.
Current electricity meter.
Current meter.
Demand meter.
Displacement meter.
Distance meter.
Earth electrode meter.
Egg meter.
Electric meter.
Electricity meter.
Frequency meter.
Flow meter.
Flow quantity meter.
Fluid meter.
Fluid pressure meter.
Gas meter.
Gasoline meter.
Graphic meter.
Ground resistance meter.
Ignition meter.
Induction meter.
Liquid meter.
Measuring meter.
Milliampere and voltage meter.
Multiple rate meter.
Photographic exposure meter.
Piston meter.
Pistol type meter.
Postage meter.
Ratio meter.
Recording volt-ampere meter.
Steering meter.
Tension meter.
Torsion meter.
Venturi meter.
Water meter.
Watthour meter.
Wet gas meter.
Meter. H. Chrisman and N. J. Selbert. 1,850,828; Mar. 22.
Meter. J. F. Jaworowski. 1,862,632; Oct. 11.
Meter. J. W. Ledoux. 1,880,266; Oct. 4.
Meter. J. W. Ledoux. 1,889,894; Dec. 6.
Meter. J. W. Ledoux. 1,892,468; Dec. 27.
Meter and connection box. A. B. Rypinski. 1,841,850; Jan. 19.
Meter calibrating apparatus. A. Peter. 1,890,884; Dec. 13.
Meter chamber. H. G. Weymouth and H. Chrisman. 1,880,223; Oct. 4.
Meter compensating device. J. M. Dayton. 1,887,400; Nov. 8.
Meter connection box. A. B. Rypinski. 1,887,956; Nov. 15.
Meter connecting device. G. W. McKee. 1,840,046; Jan. 5.
Meter connection. G. W. McKee. 1,851,860; Mar. 29.
Meter construction, Flow. B. Jones. 1,858,399; May 17.
Meter construction, Gas. M. Ferrante. 1,876,889; Sept. 13.
Meter control. J. L. Brownell. 1,850,741; Mar. 22.
Meter control. J. L. Brownell. 1,873,539; Aug. 23.
Meter control apparatus. J. L. Brownell. 1,850,740; Mar. 22.
Meter for gas flow. G. Kuwada. 1,881,280; Oct. 4.
Meter for measuring quantities of liquid. A. Monard. 1,854,054; Apr. 12.
Meter for photographic purposes, Exposure. G. Heymer. 1,846,486; Feb. 23.
Meter for polyphase currents, Phase. A. D. Ilovici. 1,850,324; Mar. 22.
Meter for ships and other movable bodies, Stability. J. L. Wilson. 1,860,344; May 24.
Meter for the measurement of liquid, Flow. J. Fraser. 1,885,517; Nov. 1.
Meter for washing and like machines. C. F. Spery. 1,849,116; Mar. 15.
Meter for water softeners and the like, Flow. C. S. Slichter. 1,840,608; Jan. 12.
Meter hanger. F. H. Mueller. 1,891,193; Dec. 13.
Meter hanger and template, Combined. O. J. Hawkins. 1,890,540; Dec. 13.
Meter indicating dial face, Gas. G. W. McDougall. Des. 86,382; Mar. 1.
Meter operating mechanism. W. Eisenschmid and L. Newcomb. 1,853,555; Apr. 12.
Meter panel. H. P. Sparkes. 1,855,614; Apr. 26.
Meter press. R. G. Whitlock. 1,870,541; Aug. 9.
Meter protecting device. T. J. Martin. 1,875,073; Aug. 30.
Meter protective device. J. L. Watson. 1,845,372; Feb. 16.
Meter protector. S. S. Johnson. 1,889,805; Dec. 6.
Meter register. H. D. Winton. 1,861,517; June 7.
Meter service appliance, Electric. J. Sachs. Re18,419; Apr. 12.
Meter service appliance, Electric. J. Sachs. 1,840,979; Jan. 12.
Meter structure. B. G. La Bar. 1,855,746; Apr. 26.
Meter testing apparatus. R. L. Dezendorf. 1,844,843; Feb. 9.
Meter testing device. S. Aronoff. 1,864,627; June 28.
Metering. T. R. Harrison. 1,891,135; Dec. 13.
Metering apparatus for washing machines. F. Voglsamer. 1,868,549; July 26.
Metering device. R. Conrader. 1,855,044; Apr. 19.
Metering device. R. E. Flanders. 1,841,526; Jan. 19.
Metering device. S. N. Tideman. 1,875,282; Aug. 30.
Metering panel. H. J. L. Frank. 1,872,723; Aug. 23.
Metering system. T. R. Harrison. 1,855,757; Apr. 26.
Metering system. B. E. Leneban. 1,871,710; Aug. 16.
Metering system. J. H. Levis, jr. 1,873,772; Aug. 23.
Meters, Attachment for fluid. G. M. Agee. 1,869,037; July 26.

Methane, Apparatus for producing. A. M. Buswell and C. S. Boruff. 1,880,772; Oct. 4.
Methanol and other carbon compounds and catalytic agents for use therein, Production of. A. T. Larson. 1,844,129; Feb. 9.
Methanol and other oxygenated organic compounds and preparation of catalysts therefor, Production of. R. G. Franklin. 1,878,390; Sept. 20.
Methanol, Process and catalyst for the synthesis of. H. H. Storch. 1,875,273; Aug. 30.
Methanol process, Synthetic. W. J. Edmonds. 1,875,714; Sept. 6.
Methylamine, Production of. J. Martin and L. C. Swallen. 1,875,746–7; Sept. 6.
Methylamine, Recovery of. L. C. Swallen. 1,875,775–6; Sept. 6.
Methyl amine, Recovery of. L. C. Swallen and B. C. Boeckeler. 1,875,774; Sept. 6.
Methylamines substituted in the methyl group by a cyclic radicle, Producing. W. Herzberg and H. Lange. 1,878,402; Aug. 23.
Methyl chloride, Device for detecting. A. B. Lamb. 1,864,544; June 28.
Methylguanidophenol sulphate (metal), Manufacture of. A. W. M. Dickins. 1,844,844; Feb. 9.
Mica, Composite molding. R. Mahaney and W. Brazelton. 1,878,952; Sept. 20.
Mica plates, Making composite. L. T. Frederick. 1,873,753; Aug. 23.
Mica product and making same, Molded. L. L. Howard. 1,872,143; Aug. 16.
Mica sheets, Apparatus for the manufacture of. J. Borer. 1,842,008; Jan. 19.
Mica splitting and machine therefor. J. M. Coffey, H. H. France, and J. J. Piekney. 1,870,835; Aug. 9.
Mica splitting machine. J. P. French. 1,879,164; Sept. 27.
Micromanipulator. G. W. Fitz. 1,859,823; May 24.
Micrometer. C. C. Rouse, jr. 1,859,596; Jan. 5.
Micrometer. E. V. Wage. 1,891,783; Dec. 20.
Micrometer. J. G. Schotthoefer. 1,887,437; Nov. 8.
Micrometer adjusting device for clocks and similar mechanism. A. H. Neuenthler. 1,860,155; May 24.
Micrometer caliper. M. K. Parkhurst. 1,840,276; Jan. 5.
Micrometer, Combined high-gauge. A. Kutyniak. 1,883,975; Oct. 25.
Micrometer for continuously gauging the thickness of moving magnetic material, Electrical. W. A. Chilson. 1,880,802; Oct. 4.
Micrometer gauge. F. W. Sigsbey and H. D. Goshorn. 1,878,990; Sept. 20.
Micrometer mount. A. Wollensak. 1,848,402; Mar. 8.
Micrometer mount. A. Wollensak. 1,880,635; Oct. 4.
Micrometer, Running sheet. C. E. Smart. 1,879,559; Sept. 27.
Micrometric divider. R. E. Alvey. 1,856,824; May 3.
Micro-organisms, Supporting the growth of. R. Lehmann and R. Michel. 1,879,351; Sept. 27.
Microphone. H. J. Ellis. 1,878,271; Sept. 20.
Microphone. W. R. Lane. 1,854,474; Apr. 19.
Microphone amplifier, Condenser. D. F. Whiting. 1,872,858; Aug. 23.
Microphone and loud-speaker system for churches, public halls and the like, Telephone. 1,890,742; Dec. 13.
Microphone diaphragms, Stabilizing non-crystalline piezo-electric. A. Meissner. 1,886,235; Nov. 1.
Microphone, Electric. P. D. Tyers. 1,849,891; Mar. 15.
Microphone, Electrical. S. Ruben. 1,877,483; Sept. 13.
Microscope. J. Kaulke. 1,845,796; Feb. 16.
Microscope. W. L. Patterson. 1,862,031; June 7.
Microscope for examining pictures with rasant lateral lighting. F. Perez. 1,873,149; Aug. 23.
Microscope illuminating means. M. Poser. 1,860,430; May 31.
Microscope refractometer. H. W. Lindley. 1,868,908; July 26.
Microscope stages and the like, Adjusting mechanism for. H. W. Ott. 1,891,052; Dec. 13.
Microscope stand. M. Berger. 1,892,131; Dec. 27.
Microscope with inclined oculars. M. Engelmann. 1,858,245; Apr. 12.
Microscopes, Location finder for. C. F. Sulzner. 1,876,176; Sept. 6.
Microscopic objective. J. C. Sabel. 1,889,794; Dec. 6.
Microtome. R. H. Pietzsch. 1,865,539; July 5.
Milk and other beverages, Cooling. W. M. Robertson. 1,875,264; Aug. 30.
Milk and other products, Canning. R. M. Garrett. 1,858,547; May 17.
Milk and preparing same, Powdered acid. L. D. Johnson and N. F. True. 1,863,635; June 21.
Milk and preparing same, Powdered protein. L. D. Johnson and N. F. True. 1,882,637; Oct. 11.
Milk, Apparatus for cooling. A. R. Pursley. 1,877,965; Sept. 20.
Milk, Apparatus for taking samples of. W. E. Mitton. 1,873,010; Aug. 23.
Milk bottle carrier. C. Sorrentino. 1,861,368; May 31.
Milk cap dispenser. J. R. Parker. 1,889,875; Dec. 6.
Milk chest. S. Daniels. 1,846,192; Feb. 23.
Milk cooler. J. W. Goble. 1,850,500; Mar. 22.
Milk cooler. G. C. and W. Sahnow. 1,852,219; Apr. 5.
Milk cooling apparatus. R. R. Clayton. 1,892,097; Dec. 27.
Milk delivery system. Continuous. C. H. Hapgood. 1,844,956; Feb. 16.
Milk, Determining the physical curd character of. R. L. Hill. 1,840,392; Jan. 12.
Milk dispenser. W. Bellmer. 1,861,619; June 7.
Milk draining tube. J. C. Bowen. 1,889,977; Nov. 29.
Milk evaporating means. W. F. Richards. 1,870,423; Aug. 9.
Milk handling device. W. H. Paulson. 1,845,336; Feb. 16.
Milk, Heating. C. E. North. 1,872,795; Aug. 23.
Milk, Increasing the digestibility and pharmacological action of animal. R. Welsang. 1,866,184; July 5.
Milk machine, Dry. G. Overton. 1,853,451; Apr. 12.
Milk powder, Treating. H. Schibsted. 1,863,355; June 14.
Milk process, Malted. A. A. Scott. 1,851,988; Apr. 5.
Milk product. C. C. Davis. 1,845,961; Feb. 16.
Milk product. H. E. Otting. 1,882,028; Oct. 11.
Milk products and manufacture, Lactobacillus acidophilus. S. M. Farr. 1,851,165; Mar. 29.
Milk, Removing objectionable odors and flavors from. G. H. Earman. 1,846,478; Feb. 23.
Milk server and preserver, Evaporated. C. G. Schilling. 1,888,411; Nov. 22.
Milk stirrer. A. Otto. 1,872,326; Aug. 16.
Milk tank. W. E. Grest. 1,868,826; July 26.
Milk, Treating. A. H. Johnson and S. M. Weisberg. 1,841,184; Jan. 12.
Milk treating apparatus. C. Mortensen. 1,854,619; Apr. 19.
Milk without sedimentation, Making chocolate. L. D. Zern and R. C. Munkwitz. 1,849,040; Mar. 8.
Milking apparatus. L. Dinesen. 1,859,266; May 17.
Milking apparatus. L. Dinesen. 1,859,500; May 24.
Milking apparatus. J. N. Holm. 1,875,604; Sept. 6.
Milking, Apparatus for. C. McCormack. 1,859,213; May 17.
Milking machine. C. H. Hapgood. 1,846,805; Feb. 28.
Milking machine. C. H. Hapgood. 1,854,304–6; Apr. 19.
Milking machine. F. Henrard. 1,871,520; Aug. 16.
Milking machine. E. T. Jansson. 1,849,672; Mar. 15.
Milking machine, H. McCreadie. 1,859,214; May 17.
Milking machine. G. N. Smith. 1,891,582; Dec. 20.
Mill: *See*—

Attrition mill.	Hammer mill.
Ball mill.	Impact mill.
Cane mill.	Ink rolling mill.
Coffee mill.	Lumber mill.
Colloid mill.	Metal rolling mill.
Crushing mill.	Rod mill.
Cutting, mixing, and attrition mill.	Roller mill.
Disintegrating mill.	Rolling mill.
Dispersion mill.	Roughage mill.
Feed grinding mill.	Rubber mixing mill.
Grain and roughage mill.	Rubbing mill.
Grinding, crushing and mixing mill.	Saw mill.
Grinding mill.	Sugar cane mill.
	Tube expanding mill.
	Tumbling mill.

Mill. F. E. Marcy. 1,858,594; May 17.
Mill. F. J. Marshall. 1,846,061; Feb. 23.
Mill. H. B. Masters. 1,864,920; June 28.
Mill and the like, Pulverizing. E. W. Green and G. R. Unthank. 1,849,871; Mar. 15.
Mill catcher, Hot. D. Buccicone. 1,847,811; Mar. 1.
Mill construction. E. J. McIlvried. 1,884,055; Oct. 25.
Mill for grinding paints, enamels, inks, and other viscous substances. S. Smith. 1,867,184; July 12.
Mill for preparing asphalt paving mixtures, Pug. W. F. Wilmoth. 1,880,626; Oct. 4.
Mill for pulp and paper manufacture, Drum type. U. Kirchner and G. Strecker. 1,854,652; Apr. 19.
Mill for rolling metal. L. Jones. 1,843,679; Feb. 2.
Mill guide, Rolling. I. S. Nelson. 1,881,909; Oct. 11.
Mill housing. C. E. Wentzel. 1,844,877; Feb. 9.
Mill layout, Rolling. J. R. George. 1,844,118; Feb. 9.
Mill manipulator, Blooming. R. D. Nye. 1,851,920; Mar. 29.
Mill production method and layout. W. Worthington. 1,851,340; Mar. 29.
Mill provided with a conical runner. F. C. Kranz. 1,842,988; Jan. 26.
Mill roll, Cane. N. Kay. 1,856,484; May 3.
Mill roll, Rolling. W. Köhler. 1,851,848; Mar. 29.
Mill rolls, Method and apparatus for cooling. S. W. Alderfer. 1,892,028; Dec. 27.
Mill screen, Adjustable. L. D. Peters. 1,847,193; Mar. 1.
Millstones for rectifying gear teeth, Apparatus for shaping. G. E. Voignier. 1,880,612; Oct. 4.
Milling and boring attachment for milling machines, Right angle. J. F. Johnson. 1,878,707; Sept. 20.
Milling cutter. J. Edgar. 1,855,511; Apr. 26.
Milling cutter. C. G. Olson. 1,883,158; Oct. 25.
Milling cutters, Making. C. J. Irwin. 1,874,536; Aug. 30.
Milling machine. T. Earle. 1,881,220; Oct. 4.
Milling machine. S. Einstein and L. F. Nenninger. 1,877,828; Sept. 20.
Milling machine. H. Ernst and M. Martellotti. 1,872,431; Aug. 16.
Milling machine. H. Ernst and L. F. Nenninger. 1,872,627; Aug. 16.
Milling machine. W. Ferris. 1,866,348; July 5.

Milling machine. H. O. Fletcher. 1,842,397; Jan. 26.
Milling machine. N. M. Marsilius. 1,865,198; June 28.
Milling machine. N. M. Marsilius and O. A. Olsen. 1,860,840; May 31.
Milling machine. N. M. Marsilius and O. A. Olsen. 1,868,016; July 19.
Milling machine. L. F. Nenninger. 1,840,051; Jan. 5.
Milling machine. F. A. Parsons. 1,891,356; Dec. 20.
Milling machine. H. Perazzoli. 1,887,424; Nov. 8.
Milling machine and counter-arm brakes. Combined single-standard. L. Kellenberger. 1,870,054; Aug. 2.
Milling machine, Continuous. G. D. Sundstrand. 1,842,540; Feb. 2.
Milling machine, Expanding internal. E. G. Boyer. 1,852,601; Apr. 5.
Milling machine for metal, Electrolytically controlled. L. Salves. 1,874,810; Aug. 30.
Milling machine, Rotary. J. B. Armitage. 1,874,218; Aug. 30.
Milling machine, Vertical continuous. F. M. Davis. 1,877,560; Sept. 13.
Milling machinery. W. D. Arches. 1,840,300; Jan. 12.
Milling machinery. W. D. Arches. 1,874,846; Aug. 30.
Milling machinery. L. F. Nenninger. 1,857,162; May 10.
Milling machines and the like, Taper boring attachment for. J. Maute. 1,886,287; Nov. 1.
Milling machines, Feed mechanism for. W. Ferris. 1,887,267; Aug. 30.
Milling machines, Spindle rotating means for. F. O. Hoagland. 1,840,361; Jan. 12.
Milling products, Treating edible. G. van der Lee. 1,855,158; Apr. 19.
Mills, Adjusting device for roller. J. W. Kent. 1,872,967; Aug. 23.
Mills, Holding device for rolling. R. H. Norton and W. C. Fork. 1,839,334; Jan. 5.
Millsampere and voltage meter. J. Webber. 1,866,243; July 5.
Mine. J. K. M. Harrison. 1,844,575; Feb. 9.
Mine and like signaling apparatus. R. M. D. Button. 1,874,303; Aug. 30.
Mine timbering apparatus. M. Zidro. 1,856,682; May 3.
Mine timbering machine. R. R. Atkinson. 1,886,620; Nov. 8.
Mine track cleaner. V. L. Martin. 1,861,639; June 7.
Mining. M. J. Elsing. 1,842,664; Jan. 26.
Mining. D. McCrindle and J. B. Meddle. 1,892,159; Dec. 27.
Mining apparatus. M. P. Holmes. 1,844,692–3; Oct. 25.
Mining apparatus. L. P. Osgood. 1,849,310; Mar. 15.
Mining, Apparatus for. R. J. Meyer. 1,879,907; Sept. 27.
Mining, Apparatus for. E. J. Newbaker. 1,841,907; Jan. 19.
Mining drill. E. J. Dooley. 1,864,987; June 28.
Mining machine. G. Bodin. 1,875,914; Sept. 6.
Mining machine. F. Cartlidge. 1,849,276; Mar. 15.
Mining machine. B. J. Holmes. 1,851,097; Mar. 29.
Mining machine. C. E. Davis. 1,854,114; Apr. 12.
Mining machine. A. B. Esseltine. 1,867,528; July 12.
Mining machine. M. P. Holmes. 1,849,297–8; Mar. 15.
Mining machine. M. P. Holmes. 1,863,848; June 21.
Mining machine. M. P. Holmes. 1,864,731; June 28.
Mining machine. M. P. Holmes. 1,875,932–40; Sept. 6.
Mining machine. M. P. Holmes. 1,876,517; Sept. 6.
Mining machine. M. P. Holmes. 1,884,695–6; Oct. 25.
Mining machine. A. Y. Hoy. 1,857,775; May 10.
Mining machine. C. R. Hughes. 1,880,090–1; Sept. 27.
Mining machine. A. Humbel. 1,888,085; Nov. 15.
Mining machine. F. A. Lindgren. 1,850,681; Mar. 22.
Mining machine. F. A. Lindgren. 1,864,841; June 28.
Mining machine. F. A. Lindgren. 1,871,186; Aug. 9.
Mining machine. F. A. Lindgren. 1,891,191; Dec. 13.
Mining machine. L. A. Maxson. 1,863,865; June 21.
Mining machine. W. T. McCullough. 1,891,719; Dec. 20.
Mining machine. C. F. Osgood. 1,875,351; Sept. 6.
Mining machine. J. S. Price. 1,881,936; Oct. 11.
Mining machine. W. T. Robinson. 1,885,295; Nov. 1.
Mining machine. P. Roozee. 1,858,865; May 17.
Mining machine. R. M. Weld, J. H. Ohler, and C. F. Berkley. 1,884,986; Oct. 25.
Mining machine. C. F. Wilhelmi. 1,864,785; June 28.
Mining machine, Electric. F. B. Miller. 1,858,933; May 17.
Mining machine, Elevating attachment for. F. Konchar. 1,844,819; Feb. 9.
Mining, Method and apparatus for underground hydraulic. S. Howell. 1,856,836; May 3.
Mining, Process and apparatus for. E. E. Claytor. 1,851,565; Mar. 29.
Mining, Surface. R. H. Sherwood and W. H. Stewart. 1,872,016; Aug. 16.
Mineral chlorination, Method of and apparatus for. G. D. Mugeleton, P. S. Brallier, H. C. Van Galder, and R. F. Weidner. 1,875,105; Aug. 30.
Mineral concentration. R. B. Martin. 1,874,564; Aug. 30.
Mineral deposits in subsurface earth strata, Process of and apparatus for locating. T. S. West. 1,845,379; Feb. 16.
Mineral substances, Altering the physical properties of finely divided. R. Illner and C. Fürst. 1,840,363; Jan. 12.
Minerals by flotation, Separation of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,863,760; June 21.
Minerals, Concentration of. A. W. Hahn. 1,842,400; Jan. 26.
Minerals containing compounds of iron, potassium, and aluminum, Treating. J. L. McWhorter, Jr. 1,843,779; Feb. 2.
Minerals containing the sulphides of zinc, iron, lead and copper, for the recovery of the metal and the sulphur dioxide gas therefrom, Roasting. B. A. Stimmel, K. D. McBean, and G. Cruickschank. 1,884,348; Oct. 25.
Minerals including coal, Concentration of. J. F. C. Friend. 1,875,296; Aug. 30.
Minnow, Artificial. J. T. Welch. Re18,390; Mar. 22.
Mirror. F. X. Campbell. 1,855,095; Apr. 19.
Mirror. W. H. Colbert. 1,885,232; Nov. 1.
Mirror. D. A. Eddy. Des. 88,345; Nov. 22.
Mirror. O. W. Fisher. 1,849,001; Mar. 8.
Mirror, Adjustable ceiling. S. H. Flanigan. 1,860,928; May 31.
Mirror, All-metal rear view. J. R. Oishei. 1,862,094; June 7.
Mirror and accessories therefor. O. C. Ritz Woller. 1,872,943; Aug. 23.
Mirror and floss cap, Combination tooth inspecting. H. R. Priest. 1,853,453; Apr. 12.
Mirror and frame, Combined. C. C. Ritter. Des. 87,358; July 12.
Mirror and illuminating device, Combination. A. S. Angell. 1,889,085; Nov. 29.
Mirror and instrument, Combined. W. La Hodny. 1,884,756–7; Oct. 25.
Mirror and instrument, Combined. W. La Hodny. 1,884,759; Oct. 25.
Mirror and instrument, Combined. W. La Hodny and P. Bertell. 1,884,758; Oct. 25.
Mirror and making same. J. R. Oishei. 1,862,095; June 7.
Mirror and paper weight, Combination. F. L. Woodcock. Des. 86,873; Apr. 26.
Mirror and receptacle, Combination. P. Delich. Des. 86,703; Apr. 12.
Mirror apparatus, Vehicle backing. H. A. Shapiro and P. Brandorf. 1,877,907; Sept. 20.
Mirror assembly, Rear view. F. W. Zink. 1,883,287; Oct. 18.
Mirror attachment, Anti-glare. W. B. Drury. 1,885,594; Nov. 1.
Mirror, Automobile. C. C. Jones. 1,871,615; Aug. 16.
Mirror, Automobile rear view. H. S. Taylor. 1,847,635; Mar. 1.
Mirror, Barber's. A. Godin. Des. 87,630; Aug. 23.
Mirror bracket. W. La Hodny. 1,884,690; Feb. 16.
Mirror bracket. F. G. Withrow. 1,861,148; May 31.
Mirror bracket, Rear view. F. G. Withrow. 1,891,966; Dec. 27.
Mirror bracket structure. W. J. Bell. 1,875,554; Sept. 6.
Mirror construction. D. L. Shatto and F. F. Lindstaedt. 1,890,166; Dec. 6.
Mirror, Counter. G. H. Dufour. Des. 88,344; Nov. 22.
Mirror, Day and night rear vision. H. W. Smith. 1,876,319; Sept. 6.
Mirror dresser. J. A. Hoegger. 1,868,104; July 19.
Mirror, Eyeglass. J. Rowan. 1,879,516; Sept. 27.
Mirror, Eyeglasses. J. Rowan. 1,843,094; Jan. 26.
Mirror for automobiles, Rear view. J. Wilczynski. 1,887,144; Nov. 8.
Mirror for motor vehicles, Parking. E. Paxton. 1,844,437–8; Feb. 9.
Mirror, Hand. F. X. Campbell. 1,841,520; Jan. 19.
Mirror Light, Disappearing. A. Marchand. 1,859,592; May 24.
Mirror, Mouth. J. B. Malatesta. 1,887,888; Nov. 15.
Mirror, Nonglaring reversible. H. L. Bettman. 1,887,706; Nov. 15.
Mirror or similar toilet article, Hand. A. S. Donaldson. Des. 87,564; Aug. 16.
Mirror, parking and signal device, Combined driving. E. T. Condon. 1,874,027; Aug. 30.
Mirror, Physician's head. J. S. Glowacki. 1,857,095; May 3.
Mirror, Rear view. G. F. and W. H. Colbert. 1,849,708; Mar. 15.
Mirror, Rear view. C. H. Oishei. 1,840,248; Jan. 5.
Mirror, Rear view. J. R. Oishei. 1,845,808; Feb. 16.
Mirror, Rear view. J. R. Oishei and W. Paulus. 1,844,675; Feb. 9.
Mirror, Rear vision. W. Bausch. 1,869,456; Aug. 2.
Mirror, Rear vision. R. A. Darling. 1,872,905; Aug. 23.
Mirror set for automobiles, Combination rear-view. J. Potakis. 1,858,734; May 17.
Mirror set for automobiles, Combination rear view. J. Potakis. 1,884,015; June 21.
Mirror structure, Vehicle reflecting. J. W. Wullenweber. 1,877,109; Sept. 13.
Mirror support. L. L. Turner. 1,883,834; Oct. 18.
Mirror supporting and adjusting device. G. C. Peterson. 1,892,219; Dec. 27.
Mirror, Truck. J. R. Oishei. 1,848,064; Mar. 1.
Mirrors and the like, Decorating. C. G. Cooper. 1,858,358; May 17.
Mirrors or the like, System of reflecting. O. A. Ross. 1,870,468; Aug. 9.
Mist extractor. A. F. Clarke. 1,846,248; Feb. 23.
Mite trap. C. H. Morley. 1,850,763; Mar. 22.
Mites on fowls, Device for destroying. C. E. Mueller. 1,861,353; May 31.

Miter box. T. Burdick. 1,843,267; Feb. 2.
Miter for sheet metal corner beads. T. P. Parker. 1,847,670; Jan. 19.
Miter machine. F. Scott. 1,850,695; Mar. 22.
Mitt, Sponge. W. J. Gould. 1,884,659; Oct. 25.
Mitten, Hunter's. R. E. Chesebro. 1,849,418; Mar. 15.
Mix for dry cells, Depolarizing. J. M. Henderson. 1,874,748; Aug. 30.
Mix for refinectories and preparing the same, Dense. R. F. Heuer. 1,851,181; Mar. 29.
Mixer: *See*—
Asphalt mixer. Liquid mixer.
Concrete mixer. Mortar and plaster mixer.
Drink mixer. Pasteurizer mixer.
Dye mixer. Portable mixer.
Gas mixer. Soap and water mixer.
Heater mixer. Steam and water mixer.
Hot metal mixer. Truck mixer.
Mixer. C. E. Bailey. 1,855,275; Apr. 26.
Mixer. J. Eaton, L. W. Dickey, and E. Field. 1,846,027; Feb. 23.
Mixer. F. Lee. 1,889,538; Nov. 29.
Mixer. I. W. Litchfield. 1,873,438; Aug. 23.
Mixer. F. H. Totman. 1,845,367; Feb. 16.
Mixer. A. W. Walker. 1,884,423; Oct. 25.
Mixer and dispenser. C. Barbieri. 1,880,664; Oct. 4.
Mixer and dispenser, Beverage. T. S. Patterson and P. G. Fritz. 1,861,227; May 31.
Mixer and juice extractor, Combined drink. C. Ringwald. 1,847,226; Mar. 1.
Mixer and sifter. A. D. MacLellan. 1,862,412; June 7.
Mixer controlling device. R. Peoples. 1,850,849; Mar. 22.
Mixer for showers, Hot and cold water. W. P. Erbes. 1,877,567; Sept. 13.
Mixer for welding torches. G. L. Hammon. 1,882,420; Oct. 11.
Mixing and agitating machine. C. Ringwald. 1,847,227; Mar. 1.
Mixing and drying machine. A. B. Webb. 1,857,798; May 10.
Mixing and vaporizing device, Combined. A. Defrance and P. Versilde. 1,858,853; May 17.
Mixing apparatus. T. W. Barber. 1,846,577; Feb. 23.
Mixing apparatus. W. H. Green. 1,866,030; July 5.
Mixing apparatus. G. H. Haines. 1,849,187; Mar. 15.
Mixing apparatus. W. A. Pervier. 1,857,863; May 10.
Mixing apparatus. A. G. Reed. 1,848,223; Mar. 8.
Mixing apparatus. C. R. and A. B. Smith. 1,879,828; Sept. 27.
Mixing apparatus, Centrifugal multistage. K. Winkler. 1,865,991; July 5.
Mixing bowl lock. J. D. Tucker. 1,876,264; Sept. 6.
Mixing device. E. D. Shaller and H. P. Troendly. 1,890,307; Dec. 6.
Mixing, emulsifying, and blending materials. J. V. Westbrook. 1,854,087; Apr. 12.
Mixing machine. J. F. Field. 1,852,712; Apr. 5.
Mixing machine. T. E. Forster. 1,855,548; Apr. 26.
Mixing machine. H. L. Johnston. 1,849,094; Mar. 15.
Mixing machine. H. L. Johnston. 1,878,149; Sept. 20.
Mixing machine. J. W. Puterbaugh. 1,851,325; Mar. 29.
Mixing machine, Continuous. V. E. Schmiedeknecht. 1,862,436; June 7.
Mixing machine for the production of alimentary pastes. R. Kolliker. 1,850,923; Mar. 22.
Mixing machine, Portable. M. W. Urch. 1,891,122; Dec. 13.
Mixing machine, Shingle. A. E. F. Moone. 1,886,969–70; Nov. 8.
Mixing or agitating device C. L. Willard. 1,866,688; July 12.
Mixture conditioning device. F. D. Chapman. 1,844,346; Feb. 9.
Mixture of 2-halogen-3-chloro- and 2-halogen-5-chloro-4-amino-4-methyl benzenes, Quantitative separation of. A. Kissling, E. Hotz, and W. Fitzky. 1,840,321; Jan. 12.
Mixtures of primary aromatic amines, Separation of. E. Tschunkur and A. Klamroth. 1,861,890; June 7.
Mixtures of substances only partially miscible, Separating. W. K. Lewis. 1,870,854; Aug. 9.
Mixtures of substances, Separation of. L. D. Jones. 1,873,598; Aug. 23.
Moccasin. D. W. Wiggin. 1,871,763; Aug. 16.
Moccasin construction. R. L. Goggin. 1,841,327; Jan. 12.
Moccasin construction. D. W. Wiggin. 1,871,764; Aug. 16.
Model for illustrating office buildings and the like. W. Favreau. 1,873,748; Aug. 23.
Model, Shoe. C. W. Conaway. 1,870,945; Aug. 9.
Models, Constructing stereo chemical. F. D. Dodge. 1,851,150; Mar. 29.
Models of fruit or other objects made of wax or similar fusible material, Reenforcing. R. C. Steadman. 1,849,601; Mar. 15.
Modulating arrangement for transmitter tubes. R. Urtel. 1,868,033–4; July 19.
Modulating system. F. Gray. Re18,400; Mar. 29.
Modulation system. C. A. Culver. 1,882,122; Oct. 11.
Mohair, wool, and the like, Method of and apparatus for treating. W. Cheshire. 1,865,234; June 28.
Moistener. J. C. Peterson. 1,852,331; Apr. 5.
Moistener. G. Petranovich. 1,891,110; Dec. 13.
Moistening device. F. W. Storck. 1,889,911; Dec. 6.
Moisture absorbing composition and making the same. G. Wiffy. 1,877,374; Sept. 13.
Moisture collector and filter for pipes for cigar and cigarette holders. J. A. Anzell. 1,856,015; Apr. 26.
Moisture content and quality of materials, Means for determining. J. D'A. Clark. 1,878,109; Sept. 20.
Moisture detector. W. D. Cleary. 1,882,316; Oct. 11.
Moisture from flexible strip material, Device for removing. G. L. Brownell. 1,875,701; Sept. 6.
Moisture from solid materials, Method of and apparatus for removing. M. Jung. 1,848,785; Mar. 8.
Moisture in hand, Device to retain. O. B. Rector. 1,862,550; June 14.
Moisture indicating instrument for wood. C. G. Suits and M. E. Dunlap. 1,875,359; Sept. 6.
Moisture measuring device. C. B. Limbrick. 1,890,545; Dec. 13.
Moisture, Method and composition for controlling. M. T. Harvey. 1,874,989; Aug. 30.
Molasses distributor. C. S. Beiler. 1,869,296; July 26.
Molasses for yeast growth, Treatment of. W. G. Bennett and A. M. Peake. 1,860,832; May 31.
Mold: *See*—
Block mold. Open joint mold.
Brick mold. Pastry mold.
Bridge mold. Permanent mold.
Casting mold. Pipe mold.
Cigar mold. Running mold.
Concrete building mold. Stamp mold.
Electric mold. Tire mold.
Freezing mold. Tire vulcanizing mold.
Heel mold. Tooth mold.
Ingot mold. Toy mold.
Meat mold. Tube and tire mold.
Monument mold. Vulcanizing mold.
Multiple permanent mold. Wall mold.
Mold. J. W. Collins. 1,874,497; Nov. 15.
Mold. C. H. Davies. 1,884,590; Oct. 25.
Mold. J. Graves. 1,863,304; June 14.
Mold. W. A. Hyland. 1,877,323; Sept 13.
Mold. F. Kurath. 1,881,232; Oct. 4.
Mold. J. E. McLaughlin. 1,856,577; May 3.
Mold. J. E. Perrault. 1,860,429; May 31.
Mold. R. W. Snyder. 1,888,702; Nov. 22.
Mold and clamp for stringed musical instruments, Combined. I. J. Johnson. 1,879,288; Sept. 27.
Mold and container, Tamale. U. Urbany. 1,876,182; Sept. 6.
Mold and making the same, Semi-permanent. A. B. Norton. 1,871,422; Aug. 9.
Mold and method of removing the same from the cast material. L. Connett. 1,879,891; Sept. 27.
Mold and mold carrier, Glassware forming machine. F. Flexon. 1,845,654; Feb. 16.
Mold and process for the production of printing plates from rubber. R. D. Bain and J. Nelson. 1,858,978; May 17.
Mold and unloading device for same. L. R. Eastman. 1,852,705; Apr. 5.
Mold attaching device for glass working machines. D. E. Gray and D. W. Strait. 1,869,249; July 26.
Mold board. A. C. Nelson. 1,851,862; Mar. 29.
Mold charge delivery apparatus. W. T. Barker, jr. 1,851,235; Mar. 29.
Mold charges, Apparatus for and method of producing. W. J. Miller. Re18,581; Aug. 23.
Mold cleaning solution. R. C. Bateman. 1,875,552; Sept. 6.
Mold dumping apparatus. W. L. Woody and R. J. Thompson. 1,873,096; Aug. 23.
Mold engraving machine. A. L. Breitenstein. 1,842,145; Jan. 19.
Mold facing. F. M. Poe. 1,882,882; Oct. 18.
Mold feeding device for brick presses. R. B. Stuckey. 1,872,520; Aug. 16.
Mold filling limiting device. O. C. Roesen. 1,856,430; May 3.
Mold filling machine. J. R. Gammeter. 1,891,088; Dec. 13.
Mold for building blocks. A. Bruckner. 1,853,720; Apr. 12.
Mold for casting metals and metal alloys. A. M. Erichsen. 1,888,913; Nov. 22.
Mold for casting printers' furniture. J. E. Phillips and A. G. Thackeray. 1,891,139; Dec 13.
Mold for casting stereotype printing plates. W. F. Huck. 1,863,480; June 14.
Mold for fence post construction, Gang. G. E. Nagel. 1,875,256; Aug. 30.
Mold for fiber pulp. F. S. Farley. 1,883,888; Oct. 25.
Mold for fiber sheets. F. S. Farley and H. F. Walter. 1,855,826; Apr. 26.
Mold for forming hard rubber articles. I. Q. Gurnee and W. Hopper. 1,849,571; Mar. 15.
Mold for glassware forming machines. V. E. Hofmann. 1,879,872; Sept. 27.
Mold for high temperature castings. Le R. P. Bensing. 1,886,249; Nov. 1.
Mold for ingots. B. Matuschka. 1,881,088; Oct. 4.
Mold for inner tubes and the like, Vulcanizing. P. De Mattia. 1,855,753; Apr. 26.
Mold for insulating an armature. V. G. Apple. 1,888,211; Nov. 22.
Mold for line casting machines. S. E. Sperry. 1,852,985; Apr. 5.

Mold for making cork slabs. J. D. Elder. 1,839,209; Jan. 5.
Mold for making vitreous china articles. L. A. Perry. 1,852,332; Apr. 5.
Mold for manufacturing boots, shoes, and similar articles of rubber or other plastic material. H. A. and G. Steppe. 1,881,248; Oct. 4.
Mold for manufacturing footwear. A. A. Glidden and T. M. Knowland. 1,860,412; May 31.
Mold for manufacturing hollow bodies of cement by the centrifugal method. G. Walter. 1,889,428; Nov. 29.
Mold for manufacturing zinc constituents for galvanic elements, batteries, or the like, Casting. A. Gassan and P. Ruck. 1,856,382; May 3.
Mold for nonferrous castings. V. P. Schmidt and H. A. Brenaman. 1,863,935; June 21.
Mold for rail welding under traffic. C. D. Young. 1,848,861; Mar. 8.
Mold for retreading vehicle tires. W. M. Jones, jr. 1,852,886; Apr. 5.
Mold for the manufacture of articles in silica glass and the like. P. La Burthe. 1,868,421; July 19.
Mold for tires and annular articles. H. Willshaw and T. Norcross. 1,868,959; July 26.
Mold for typographical machines. S. E. Sperry. 1,885,777; Nov. 1.
Mold for use in the manufacture of chocolate bars and the like. Tray. H. W. Smith. 1,843,306; Feb. 2.
Mold for welding rails. E. F. Begtrup. 1,892,376; Dec. 27.
Mold handling device. H. D. Stevens and N. H. Myers. 1,859,849; May 24.
Mold insert. W. Underwood. 1,843,853; Feb. 2.
Mold manipulating apparatus. H. G. Kuhne. 1,885,360; Nov. 1.
Mold alley, Making. W. P. and J. H. Spade. 1,853,385; Apr. 12.
Mold opening apparatus. G. Goebel. 1,891,976; Dec. 27.
Mold opening device. F. Leopold, jr. 1,853,120; Apr. 12.
Mold or core wash. W. G. Roehm. 1,875,501; Sept. 6.
Mold or matrix for plating. A. K. Laukel. 1,875,346; Sept. 6.
Mold part. G. H. Weidemann. 1,888,441; Nov. 22.
Mold parts, Cleaning. J. M. Porter and G. W. Handy. 1,885,287; Nov. 1.
Mold separating device. C. E. Frantz. 1,880,380; Oct. 4.
Mold separator. A. B. Mullin. 1,880,462; Oct. 4.
Mold with controlled release for the production of ice blocks, automatically supplied. P. A. Marchant. 1,870,370; Aug. 9.
Mold with ejector. M. H. Martindell. 1,875,071; Aug. 30.
Molded article, Integral. M. P. Chaplin. 1,848,056; Mar. 1.
Molded bodies and the product, Producing. H. L. Crowley. 1,872,902; Aug. 23
Molded pieces, Baking. E. J. Hall. 1,878,132; Sept. 20.
Molded product similar to stoneware and making the same. H. C. Fisher. 1,870,245; Aug. 9.
Molded products, Apparatus for making. D. D. Forbes. 1,868,199; July 19.
Molder. T. C. Mann. 1,853,442; Apr. 12.
Molder for painting the lips. J. Sueta and A. M. Guastavino. 1,890,628; Dec. 13.
Molder's flask. M. J. Kunert. 1,855,521; Apr. 26.
Molding. R. C. Schemmel. 1,869,081; July 26.
Molding. H. W. H. Warren, C. G. Garton, and A. E. Smith. 1,885,066; Oct. 25.
Molding apparatus. W. H. Bunting, G. F. Yeager, and O. J. Heath. 1,846,389; Feb. 23.
Molding apparatus. J. A. De Turk and E. D. Hanson. 1,871,406; Aug. 9.
Molding apparatus. M. K. Douglas. 1,859,658; May 24.
Molding apparatus. M. Duval. 1,875,712; Sept. 6.
Molding apparatus. J. Emerson. 1,848,467; Mar. 8.
Molding apparatus. F. J. Leuthner. 1,881,055; Oct. 4.
Molding apparatus. F. Robinson. 1,873,014; Aug. 23.
Molding apparatus. I. Stees. 1,882,371; Oct. 11.
Molding apparatus. S. B. Stine. 1,854,528; Apr. 19.
Molding apparatus. J. A. Weiland. 1,869,282; July 26.
Molding apparatus and molding for interlorly threaded articles. B. F. Conner and W. F. Schmalz. 1,887,993; Nov. 15.
Molding attaching structure, Drip. W. J. Meinel. 1,845,054; Feb. 16.
Molding, cutting, filling, impregnating, and binding. I. S. Mellanoff. 1,857,690; May 10.
Molding composition. M. K. Armstrong. Re18,363; Feb. 23.
Molding composition and process. E. R. Dillehay. 1,891,918; Dec. 27.
Molding compositions and making the same, Thermo-plastic. W. C. Pierson. 1,846,356; Feb. 23.
Molding device. F. F. Bradley. 1,862,525; June 14.
Molding device. T. J. and H. Evans. 1,846,028; Feb. 23.
Molding, Device for attaching. J. Ledwinka. 1,872,149; Aug. 16.
Molding device for concrete piles. R. Tada. 1,860,558; May 31.
Molding die. R. Gillis and J. C. Morison. 1,855,855; Apr. 26.
Molding, Electric circuit. A. M. Greis. 1,869,145; July 26.
Molding, Electric plug. J. H. Turner. 1,846,462; Feb. 23.
Molding, Electric wall. A. M. Greis. 1,879,198; Sept. 27.
Molding flask. D. B. Dimick. 1,846,996; Feb. 22.
Molding, Flexible electrical. H. and F. Wolfson and H. Gerstein. 1,861,675; June 7.
Molding for doors and the like, Movable. C. G. Johnson. 1,858,568; July 5.
Molding for metal frames. I. A. Baum. 1,878,807; Sept. 20.
Molding for running boards and the like. A. R. Ketcham. 1,865,766; July 5.
Molding, Garnish. H. G. Kellogg. 1,860,250; May 24.
Molding machine. J. D. Abram. 1,882,632; Oct. 18.
Molding machine. D. J. Campbell. 1,883,542; Oct. 18.
Molding machine. J. A. de Turk. 1,874,698; Aug. 30.
Molding machine. C. E. Francis. 1,865,244; June 28.
Molding machine. G. H. Haserodt. 1,863,114; June 14.
Molding machine. H. Hepperle. 1,858,956; May 17.
Molding machine. C. Jackson. 1,873,412; Aug. 23.
Molding machine. E. Leyondre. 1,850,018; Mar. 15.
Molding machine. W. H. Nicholls. 1,855,409; Apr. 26.
Molding machine. B. F. Oyster. 1,851,321; Mar. 29.
Molding machine. C. F. Scherer. 1,874,635; Aug. 30.
Molding machine. H. Tscherning. 1,890,263; Dec. 6.
Molding machine, Automatic continuous. A. Faure. 1,840,438; Jan. 12.
Molding machine for the production of a continuous ingot. M. Pouteur. 1,870,406; Aug. 9.
Molding mechanism. W. H. Baynard. 1,850,999; Mar. 29.
Molding mechanism for plastic material, Automatic. W. A. Anderson. 1,888,255; Nov. 22.
Molding method and machine, Automatic. V. G. Apple. 1,890,802; Dec. 13.
Molding press for hollow articles. L. W. Hottel. 1,863,117; June 14.
Molding process. C. E. Gilham. 1,865,097; June 28.
Molding process. C. L. Keller. 1,891,476; Dec. 20.
Molding, Running board. H. T. Woolson. 1,862,131; June 7.
Molding strip. E. J. Welch. 1,884,440; Oct. 25.
Molding strip, Upholstery. A. L. Howard. 1,879,257; Sept. 27.
Molding tubes for concrete piles molded in the ground, Sinking. E. Frankignoul. 1,872,635; Aug. 16.
Molding, Upholstery. C. P. Schiegel. 1,862,517; June 7.
Molds and articles made therefrom, Method and apparatus for forming. B. Bart. 1,872,221; Aug. 16.
Molds and the like, Apparatus for drying. S. H. Engle. 1,844,060; Feb. 9.
Molds, Cleaning. G. G. Andrews. 1,891,197; Dec. 13.
Molds, Device for handling. P. W. Lehman. 1,876,252; Sept. 6.
Molds for molding thermo-plastic materials, Heating. B. E. Broadwell. 1,873,535; Aug. 23.
Molds, Insert for sand. C. B. Falkenstein. 1,844,351; Feb. 9.
Molds, Making. G. Rosengvist. 1,850,141; Mar. 22.
Molds, Making tires. Jones. 1,866,794. July 12.
Molds, Manufacture of centrifugal pipe. F. C. Langenberg. 1,856,874; May 3.
Molds of edible substances and the resulting products, Manufacturing pre-portioned. C. M. Policastro and G. W. Morrison. 1,890,044; Dec. 6.
Molds of glassware forming machines, Apparatus for aligning. E. H. Lorenz. 1,888,199; Nov. 15.
Molten matter such as slag into frothy porous matter, Apparatus for transforming. T. Giller. 1,843,716; Feb. 2.
Money bag. A. Halpin. 1,889,860; Dec. 6.
Money handling machine. E. J. Brandt. 1,850,198; Mar. 22.
Money handling machine. E. J. Brandt. 1,850,258; Mar. 22.
Money handling machine. E. J. Brandt. 1,850,313; Mar. 22.
Money sorting machine. E. J. Brandt. 1,850,148; Mar. 22.
Monitor method of recording sound on film. T. H. Nakken. 1,850,467; Mar. 22.
Monitoring system. F. W. Schramm. 1,885,299; Nov. 1.
Monoaminoanthanthrones and derivatives thereof, Production of. M. A. Kunz, K. Koeberle, and W. Zerweck. 1,876,972; Sept. 13.
Monoaminodibenzopyrenequinone, Derivatives of. M. A., Kunz, K. Koeberle, and E. Berthold. 1,863,662; June 21.
Monoaminonaphthalene, Manufacture of. N. C. Lindberg and G. A. McDonald. 1,841,040; Jan. 12.
Monoarolydiamines of the benzene series. E. Rimele, E. Gilsenberg, and W. Kelmeier. 1,878,515; Sept. 20.
Monoazodyestuffs. W. Hentrich and R. Knoche. 1,878,700; Sept. 20.
Monoazodyestuffs. New. W. Hentrich, K. Burr, and H. Schweitzer. 1,857,244; May 10.
Monobenzoyldiamino-anthraquinones, Manufacture of. P. E. Thomasinan phosphate. 1,868,124; July 19.
Monobenzoyldiamino-anthraquinones, Preparing. H. Buchloh, W. Mieg, and W. Stoetzer. 1,867,057–8; July 12.
Monocar. J. Langstreth. 1,858,743; May 17.
Mono-chloramine, Making. J. C. Baker and F. C. Schmelkes. 1,850,058; Mar. 15.
Monochromator. F. Twyman. 1,840,476; Jan. 12.
Monoethers of resorcinol. E. Klarmann and L. W. Gatyas. 1,888,827; Nov. 22.
Monogram adapter. C. Smith. 1,888,838; Nov. 22.

Monogram escutcheon plate. M. Chernow. 1,840,567; Jan. 12.
Monograms or decorative designs on box covers, Arrangement for fixing. G. J. V. Guérin. 1,846,591; Feb. 23.
Monohalogen derivatives of naphthostyril and substitution products thereof, Manufacturing. W. Zerweck. 1,877,114; Sept. 13.
Monolithic construction. J. M. Crom. 1,876,205; Sept. 6.
Monolithic reenforcement. G. G. Greulich. 1,874,506; Aug. 30.
Mononitrodiphenyls, Producing. E. H. Huntress, C. R. McCullough, and C. F. Booth. 1,891,543; Dec. 20.
Monoplane. A. Rohrbach. 1,865,964; July 5.
Monosulphonic ammonium and its ester, Manufacture of. W. T. MacLeester. 1,882,437; Oct. 11.
Mono-methyl-para-aminophenol sulphate, Manufacture of. W. T. MacLeester. 1,844,926; Feb. 9.
Mono-potassium phosphate, Manufacture of. R. D. Pike. 1,878,426; Sept. 20.
Monument mold. R. R. Koch. 1,871,413; Aug. 9.
Mooring. P. J. Griffin. 1,848,828; Mar. 8.
Mooring apparatus. R. C. Lamond. 1,862,409; June 7.
Mooring apparatus for airships. E. W. Bowers. 1,861,780; June 7.
Mooring device. P. C. Sturges. 1,852,629; Apr. 5.
Mooring equipment. F. Short. 1,861,933; June 7.
Mop. C. M. Anderson. 1,850,046; Mar. 15.
Mop. V. B. Byars. 1,855,181; Apr. 26.
Mop. H. Goldfinger. 1,870,845; Aug. 9.
Mop. W. H. Heise. 1,885,439; Nov. 3.
Mop. A. C. Kootz. 1,866,114; July 5.
Mop. A. C. Kootz. 1,866,505; July 5.
Mop. A. C. Kootz. 1,877,925; Sept. 27.
Mop. G. O. Larberg. 1,879,809; Sept. 27.
Mop. C. S. Nelson. 1,872,791; Aug. 23.
Mop. H. J. and J. Ordidel. 1,849,150; Mar. 15.
Mop. E. Schlafli. 1,846,441; Feb. 23.
Mop. A. D. Waters. 1,843,008; Jan. 26.
Mop and brush, Combined. J. H. Dwork. 1,840,189; Jan. 5.
Mop and brush holding means. J. C. Huguley. 1,852,349; Apr. 5.
Mop cleaner. B. L. Grimes. 1,849,083; Mar. 15.
Mop, Cleaning and polishing. J. Jacobsen. 1,886,688; Nov. 5.
Mop cleaning device. W. A. Painter. 1,852,216; Apr. 5.
Mop cleaning device. H. F. Reynolds. 1,892,494; Dec. 27.
Mop cloth. W. Evans. 1,849,286; Mar. 15.
Mop construction. B. Morgan. 1,875,100; Aug. 30.
Mop, Fountain. E. E. Allen. 1,888,091; Nov. 15.
Mop head. C. Barbenscheid. 1,888,986; Nov. 29.
Mop head and wringer, Combined. O. Carlson. 1,858,879; May 17.
Mop lifting device. S. Chismadia. 1,860,655; May 31.
Mop, Oil. D. McDonald. 1,855,250; Apr. 26.
Mop, Squeegee. H. Hertzberg. 1,861,795; June 7.
Mop swab. C. E. Krebs. 1,855,400; Apr. 26.
Mop with wringer. H. Hertzberg. 1,848,481; Mar. 8.
Mop, Wringer. E. W. Byars. 1,855,180; Apr. 26.
Mop, Wringer. E. W. Byars. 1,880,777; Oct. 4.
Mop wringer. C. Evans. 1,849,748; Jan. 5.
Mop wringer. M. Heber. 1,886,184; Nov. 1.
Mop wringer. E. E. Neldner. 1,871,903; Aug. 16.
Mop wringer. A. Ross. 1,877,054; Sept. 13.
Mop wringer. R. H. Robb. 1,882,918; Oct. 18.
Mop wringing apparatus. S. Carvour. 1,883,551; Oct. 18.
Mop wringing unit. F. M. Fritsch. 1,862,891; June 14.
Mopper, Vacuum floor. W. S. Finnell. 1,849,063; Mar. 15.
Mordant. New. M. L. Crossley and M. L. Dolt. 1,881,777; Oct. 18.
Morpholine derivatives of thiuram tetrasulphide and making the same. W. J. S. Naunton and J. B. Payman. 1,867,982; July 19.
Mortar and pestle. E. L. Chott. 1,878,263; Sept. 20.
Mortar and plaster mixer. C. I. Longenecker. 1,848,959; Mar. 8.
Mortar board. R. A. Routt. 1,879,515; Sept. 27.
Mortar hawk. J. Byhre. 1,865,885; July 5.
Mortise and tenon machine, Portable. A. E. Mitchell. 1,863,605; June 21.
Mortising device, Portable. J. H. Abramson. 1,861,289; May 31.
Mortising machine. A. G. Buchan and I. J. Lyons. 1,861,786; June 7.
Mortising machine. S. Hunter. 1,857,783; May 10.
Mortising machine. F. W. Monroe. 1,885,732; Nov. 1.
Mortising machine. H. T. Parker. 1,846,749; Feb. 23.
Mortising machine and support therefor. E. Luginbuhl. 1,865,576; June 28.
Mosquito net for bedsteads. G. Clarke. 1,841,171; Jan. 12.
Mosquito trap. J. C. Kemper. 1,876,127; Sept. 6.
Moss gatherer. G. A. Pettit. 1,860,594; May 31.
Moth eradicator. R. C. Travis. 1,863,511; June 14.
Moth proofing. W. J. McGill. 1,854,948; Apr. 19.
Mothproofing composition. R. M. Ritter. 1,885,292; Nov. 1.
Moth worms, Destroying, etc. W. Y. Castonguay. 1,872,676; Aug. 23.
Moths or other insects from closets, Method of and device for excluding. E. R. Carpenter. 1,860,231; May 24.
Motion and the like, Converting. R. W. Rider. 1,875,180; Aug. 30.
Motion, Apparatus for transmitting rotary. R. D. Given. 1,864,345; June 21.
Motion, Device for producing intermittent rotary. A. Kolbassieff. 1,847,768; Mar. 1.
Motion device, Mechanical. G. R. Wood. 1,853,188; Apr. 12.
Motion device, Variable. F. M. Arnold. 1,876,129; Sept. 6.
Motion into reversible linear motion, Converting continuous rotary. R. W. Edwards and J. D. and S. D. Young. 1,844,568; Feb. 9.
Motion into rotary motion, Mechanism for converting reciprocating. E. R. Booth. 1,850,070; Mar. 22.
Motion of constant speed, Method and apparatus for producing and maintaining rotary. J. W. Brady, jr. 1,887,284; Nov. 8.
Motion picture screen. R. O. Walker. 1,878,075; Sept. 20.
Motion picture screen, Portable. G. P. Lewis and R. E. Sabin. 1,864,077; June 21.
Motion stimulating device. F. A. Gritt. 1,843,279; Feb. 2.
Motion study. L. L. Beck. 1,877,713; Sept. 13.
Motion to the driving wheels of motor cars, System for transmitting. G. C. S. von Hilvety. 1,858,647; May 17.
Motion, Transforming a uniform rotary. E. Roth. 1,847,040; Feb. 23.
Motion transmission, Variable. H. De Waide. 1,844,116; Feb. 9.
Motion transmitter, Variable speed rotary. C. S. Carlberg. 1,854,018; Apr. 12.
Motion transmitting device. J. H. Williams. 1,875,537; Sept. 6.
Motion transmitting mechanism. E. T. Johnson. 1,892,108; Dec. 27.
Motion transmitting mechanism. A. Piquerez. 1,844,595; Feb. 9.
Motions, particularly in the machining of solid materials, Controlling. M. Schenker. 1,849,642; Mar. 15.
Motive device and lock therefor. F. R. Forman. 1,852,453; Apr. 5.
Motive device, Thermally actuated. C. and E. Scott-Snell. 1,848,226; Mar. 8.
Motive devices for operating doors and the like, Mechanism for reversing. R. D. Conklin. 1,877,161; Sept. 13.
Motor; *See*—
Alternating current motor.
Aviation motor.
Clutch motor.
Condenser motor.
Constant speed motor.
Convertible motor.
Current commutator motor.
Current motor.
Door motor.
Draft motor.
Electric impact motor.
Electric motor.
Electric reciprocating motor.
Electrically energized motor.
Electromagnetic motor.
Explosion motor.
Fan cooled motor.
Fan motor.
Fluid motor.
Geared motor.
Heat motor.
High speed motor.
Hydraulic motor.
Induction motor.
Internal combustion motor.
Lamp socket motor.
Liquid motor.
Magnetic motor.
Marine motor.
Multiple motor.
Ocean swell motor.
Outboard motor.
Pole motor.
Pressure fluid motor.
Rotary motor.
Rotor motor.
Self-starting motor.
Servo motor.
Shaded pole motor.
Speed induction motor.
Speed motor.
Spring motor.
Starting motor.
Synchronous motor.
Thermoelectric motor.
Thermostatic motor.
Tidal motor.
Tide motor.
Toy electric motor.
Two cycle motor.
Universal motor.
Vapor motor.
Water motor.
Wave motor.
Wind motor.
Windshield cleaner motor.
Windshield wiper motor.
Worm water motor.
Vapor motor.
Motor. E. M. Butler. 1,860,492; May 31.
Motor. W. H. Farr. 1,839,540; Jan. 5.
Motor. H. H. Ingersoll. 1,863,795; June 21.
Motor. E. L. Kastler. 1,876,956; Sept. 13.
Motor. M. Knobel. 1,851,586; Mar. 29.
Motor. B. Loeffler. 1,851,051; Mar. 29.
Motor. W. C. Speck and E. Barker. 1,877,701; Sept. 13.
Motor. H. R. Vogel. 1,863,769; June 21.
Motor. E. V. Zagst. 1,880,650; Oct. 4.
Motor actuated switch. M. H. Greenewalt. 1,854,547; Apr. 19.
Motor agricultural machine. C. S. Brown. 1,868,045; July 19.
Motor and compressor, Direct connected. H. E. Blood and R. G. Nelson. 1,870,228; Aug. 9.
Motor and control therefor, Spring. F. H. Owens. 1,843,928; Feb. 9.
Motor and controlling means therefor, Electrically operated. W. W. Williams. 1,882,466; Oct. 11.
Motor and controlling the speed thereof, Alternating current. F. C. Holtz. 1,892,552; Dec. 27.
Motor and dynamo machine, Electric. A. E. Stenzel. 1,868,774; July 26.
Motor and generator, Electrical. C. A. Thordarson. 1,861,036; May 31.

Motor and motor horn. J. M. Añuero. 1,845,575; Feb. 16.
Motor and operating same, Electric. E. S. Pillsbury. 1,847,441; Mar. 1.
Motor and pump assembly for ice cream freezers. E. Thompson. 1,883,109; Oct. 18.
Motor and pump, Combination. A. A. Canton. 1,849,222; Mar. 15.
Motor and pump, Refrigeration. A. B. Bailey. 1,885,793; Nov. 1.
Motor and reciprocating pump, Submersible. E. Mendenhall and J. B. Van Horn. 1,842,457; Jan. 26.
Motor assembly including speed control. P. J. Fitzgerald. 1,879,675; Sept. 27.
Motor assembly, Outboard. L. J. and H. L. Johnson. 1,890,879; Dec. 13.
Motor base. C. Harris. 1,278,983; Sept. 20.
Motor brake. A. Dewandre. 1,846,317; Feb. 23.
Motor compressor. V. G. Apple. 1,881,344; Oct. 4.
Motor connection. C. S. Baker. 1,875,798; Sept. 6.
Motor construction. C. E. Johnson. 1,868,553; July 26.
Motor control. Z. C. Bradford. 1,871,875; Aug. 16.
Motor control. O. F. Shepard. 1,890,754; Dec. 13.
Motor control apparatus. C. W. Hazell. 1,843,762; Feb. 2.
Motor control apparatus. B. E. O'Hagan. 1,884,157; Oct. 25.
Motor control apparatus. B. E. O'Hagan. 1,850,893; Mar. 22.
Motor control device for telegraph and like signaling apparatus. R. D. Salmon and S. E. Kirk. 1,882,954; Oct. 18.
Motor control mechanism. D. J. Stewart. 1,860,631; May 31.
Motor control, Stoker. W. W. Hudson. 1,857,307; May 10.
Motor control, Synchronous. D. E. Inman. 1,870,456; Aug. 9.
Motor control system. F. C. Biggert, jr. 1,847,232; Mar. 1.
Motor control system. C. E. Carpenter. 1,871,112; Aug. 9.
Motor control system. C. W. Cutler and S. B. Sykes. 1,844,640; Feb. 9.
Motor control system. W. F. Eames. 1,848,873; Mar. 8.
Motor control system. W. F. Eames. 1,882,788; Oct. 18.
Motor-control system. W. F. Eames. 1,883,886; Oct. 25.
Motor control system. F. R. Elder, A. E. Bailey, jr., and H. La Roque. 1,847,934; Mar. 1.
Motor control system. G. Fox. 1,891,226; Dec. 20.
Motor control system. W. C. Furnas and G. E. Cooper. 1,868,044; May 31.
Motor control system. S. Gysin. 1,858,622; May 17.
Motor control system. L. C. Hardesty. 1,863,403; June 14.
Motor control system. H. P. Hidde. 1,841,003; Jan. 19.
Motor control system. E. H. Horstkotte. 1,846,870; Feb. 23.
Motor control system. C. B. Huston. 1,839,922; Jan. 5.
Motor control system. H. D. James and H. W. Williams. 1,871,698; Aug. 16.
Motor control system. W. H. Landenberger. 1,869,900; Aug. 2.
Motor control system. F. Mobler. 1,852,819; Apr. 5.
Motor control system. E. R. Morton. 1,867,373; July 12
Motor control system. W. H. Smith. 1,841,555; Jan. 19.
Motor control system. H. M. Stoller. 1,849,646; Mar. 15.
Motor control system. W. Sykes. 1,872,360; Aug. 16.
Motor control system. H. E. White. 1,855,736; Apr. 26.
Motor-control system. K. M. White and G. K. Hearn. 1,884,446; Oct. 25.
Motor control system. H. A. Winne. 1,862,354; June 7.
Motor control system. H. A. Winne. 1,886,773; Nov. 8.
Motor control system. C. O. Wood. 1,861,149; May 31.
Motor control system. D. C. Wright. 1,840,281; Jan. 5.
Motor control system, Auxiliary. F. W. Gay. 1,872,926; Aug. 23.
Motor control system for and method of. G. J. Lexa. 1,845,300; Feb. 16.
Motor control system, Limit for opposed. G. H. Fisher. 1,879,154; Sept. 27.
Motor control, System of. C. W. Cutler. 1,849,825; Mar. 15.
Motor control, System of. B. Matthie. 1,847,883; Mar. 1.
Motor control, System of. W. C. Raube. 1,850,772; Mar. 22.
Motor control, System of. E. B. Smith. 1,861,245; May 31.
Motor control, System of electric. C. J. H. Trutch. 1,864,327; June 21.
Motor control system, Opposed. P. F. Shivers. 1,877,605; Sept. 13.
Motor controller. P. Crout. 1,844,243; Feb. 9.
Motor controller. C. G. Evans. 1,855,014; Apr. 19.
Motor controller. C. Stansbury. 1,839,934; Jan. 5.
Motor controller. E. W. Seeger. 1,874,640; Aug. 30.
Motor controller. E. W. Seeger. 1,878,334; Sept. 20.
Motor controller. W. C. Stevens. 1,855,208; Apr. 26.
Motor controlling apparatus. C. W. Wyman. 1,844,834; Feb. 9.
Motor controlling system, Electric. C. W. Wyman. 1,844,833; Feb. 9.
Motor counter reactant device. F. J. Lapointe. 1,888,460; Nov. 22.
Motorcycle. A. Lesage. 1,878,976; Sept. 20.
Motorcycle, Armed. A. E. Monzer. 1,876,995; Sept. 13.
Motor cycles, Rear suspension of. R. Gillet. 1,865,896; July 5.
Motor drive for spinning or twisting machines. R. Hargreaves. 1,869,686; Aug. 2.
Motor drive, Single. F. W. Hild. 1,873,404; Aug. 23.
Motor drive unit. A. L. Cushman. 1,887,547; Nov. 15.
Motor driving mechanism, Wave. R. C. Grigsby. 1,864,499; June 21.
Motor-efficiency indicating device. J. B. Hamblen and W. B. Kay. 1,890,985; Dec. 13.
Motor for aircraft, Safety. E. Carlson. 1,886,327; Nov. 1.
Motor for electrically operated safety razors, Oscillatory. A. A. Grothe. 1,840,191; Feb. 23.
Motor for gramophones and other purposes, Spring. S. Rees. 1,861,066; May 31.
Motor for windshield cleaners. J. Holtzman. 1,845,048; Feb. 16.
Motor generator. W. E. Masterson and H. Price. 1,889,208; Nov. 29.
Motor-generator regulator system. W. T. Rea. 1,861,550; June 7.
Motor generator set. G. W. Pierce. 1,843,299; Feb. 2.
Motor having low plugging torque, Reversible squirrel-cage. F. J. Johns. 1,870,777; Aug. 9.
Motor heat indicator. H. D. Boyce. 1,844,055; Feb. 9.
Motor installation. J. W. Harvey. 1,874,988; Aug. 30.
Motor machine, Water. H. Placide. 1,867,094; July 12.
Motor, Obtaining work from a vapor. J. G. Prosser. 1,872,606; Aug. 16.
Motor of an automobile, Device for automatically stopping the. L. N. Tilkes and E. H. Rock. 1,854,808; Apr. 19.
Motor of the internal combustion type, Industrial. J. R. Thonger. 1,886,455; Nov. 8.
Motor operated mechanism. J. Freud and C. H. Koehler. 1,870,246; Aug. 9.
Motor or the like, Squirrel-cage pump. F. J. Johns. 1,870,776; Aug. 9.
Motors, Parallel operation of direct current. B. D. Mickey. 1,877,681; Sept. 13.
Motor piston control apparatus. R. C. Smith. 1,869,587; Aug. 2.
Motor protector and speed accelerator. H. C. Pittman. 1,875,652; Sept. 6.
Motor rheostat for acceleration. D. Santini. 1,882,958; Oct. 18.
Motor speeds, Device for maintaing relative. C. B. Cottrell, Jd. 1,853,663; Apr. 12.
Motor, Starting and induction. R. H. Jordan. 1,871,455; Aug. 16.
Motor structure. R. Ehrenfeld. 1,851,572; Mar. 29.
Motor structure. H. M. Stoller. 1,849,645; Mar. 15.
Motor support for ventilating fans. C. E. Johnson. 1,863,043; June 14.
Motor supporting arrangement. J. Mitzl. 1,845,551; Feb. 16.
Motor suspension. J. Morch. 1,876,312; Sept. 6.
Motor suspension. T. W. Price. 1,842,198; Jan. 19.
Motor system, Induction synchronous. R. B. Williamson. 1,860,489; May 31.
Motor system, Regulated. H. M. Stoller and E. R. Morton. 1,874,380; Aug. 30.
Motor switch, Starting. L. B. Ehrlich. 1,839,916; Jan. 5.
Motor unit for bicycles, trieycles, and the like. S. V. Constantinovitch. Prince Wiasenisky. 1,870,761; Aug. 9.
Motor vehicle brake. F. C. Lamb. 1,887,936; Nov. 15.
Motor vehicle device. C. D. Stewart. 1,845,528; Feb. 16.
Motor vehicle signal. W. C. Huffman. Des. 87,749; Sept. 13.
Motor without oil-supply means, Submersible. E. Mendenhall and J. B. Van Horn. 1,879,628; Sept. 27.
Motors, Feeding device for percussive. W. A. Smith, sr., and G. H. Fuehrer. 1,844,874; Feb. 9.
Motors from a single phase source, Operating polyphase. M. C. Spencer. 1,857,411; May 10.
Motors, Method of and apparatus for starting alternating current. L. C. Hardesty. 1,840,093; Jan. 5.
Motors, Operating alternating current commutator. W. Sell. 1,850,776; Mar. 22.
Motors, Starting condenser type. T. G. Myers. 1,886,895; Nov. 8.
Motors, Starting synchronous. D. W. McLenegan. 1,851,716; Mar. 29.
Motors, System for parallel operation of. J. L. Finch. 1,839,385; Jan. 5.
Motors, System for reciprocating electric. P. Frenell. 1,873,193; Aug. 23.
Motors, System for starting electric. R. Richter. 1,875,263; Aug. 30.
Motors, Testing. P. N. Elderkin. 1,892,487; Dec. 27.
Motors, Variable torque control for cable-reel. A. Shaffer. 1,843,745; Feb. 2.
Mount. W. Taylor. 1,839,814; Jan. 5.
Mount assembly for high wattage lamps. A. C. Massie. 1,869,572; Aug. 2.
Mount, Doorknob. F. A. Kimball. 1,840,204; Jan. 5.
Mount, Floor receptacle. H. Hubbell, jr. 1,857,377; May 10.
Mount for films. E. P. Cressler. 1,878,113; Sept. 20.
Mount for machine guns. R. C. Coupland. 1,883,389; Oct. 18.

Mount for projecting lenses, Adjustable. W. F. Fouquet. 1,863,673; Oct. 18.
Mount for X-ray films and the like. H. J. Bosworth. 1,853,197; Apr. 12.
Mounting. T. Lord and I. P. Whitehouse. 1,862,484; June 7.
Mounting. E. B. Paget. 1,845,327; Feb. 16.
Mounting, Adjustable. F. M. Cocksedge. 1,852,804; Apr. 5.
Mounting and closing mechanism, Door. A. C. and J. Sladky. 1,849,599; Mar. 15.
Mounting and connection, Magneto. C. F. Reis. 1,860,983; Oct. 4.
Mounting and drive, Dual wheel. L. C. Josephs, jr., and B. L. Gurney. 1,862,753; June 14.
Mounting and drive, Individual wheel. A. F. Masury. 1,858,782; May 17.
Mounting and drive therefor, Feed chain sprocket. A. B. Johnson. 1,870,630; Aug. 9.
Mounting and lubricators, Shaft. T. C. Delaval-Crow. 1,859,644; Dec. 13.
Mounting and package for rolls. K. M. Henderson. 1,850,718; Mar. 22.
Mounting and steering apparatus, Dirigible wheel. A. J. Marcum. 1,851,388; Mar. 29.
Mounting, Antifriction bearing. E. R. Llewellyn. 1,881,750; Oct. 11.
Mounting arrangement for electrical apparatus. D. A. Christian. 1,880,072; Sept. 27.
Mounting arrangement for electrical apparatus. F. Kessler and C. Woodhouse. 1,863,376; June 14.
Mounting, Artificial tooth. R. C. Cooley. 1,860,806; May 31.
Mounting, Artificial tooth. R. L. Schmitt. Re18,446; Apr. 26.
Mounting, Automobile engine. H. C. Lord. 1,862,483; June 7.
Mounting, Awning lateral arm. R. W. Pace and T. A. Bailey. 1,845,931; Feb. 16.
Mounting, Axle bearing. T. V. Buckwalter. 1,885,985; Nov. 1.
Mounting, Bearing. J. H. Baninger. 1,851,561; Mar. 29.
Mounting, Boat motor. De W. Ramsey. 1,850,770; Mar. 22.
Mounting bracket. W. C. Keys. 1,871,376; Aug. 9.
Mounting bracket, Resilient. H. D. Geyer and L. F. Christmann. 1,844,755; Feb. 9.
Mounting, Brake. R. B. Osbourne. 1,851,644; Mar. 29.
Mounting, Cabinet. J. J. Skelly. 1,850,292; Mar. 22.
Mounting, Camera. C. E. Beetle. 1,870,766; Aug. 9.
Mounting, Caster. R. W. Jands. 1,869,966; Aug. 2.
Mounting clamp, Wing. V. G. Souder and H. B. Trix. 1,869,859; June 21.
Mounting, Closure. J. A. Kimball. 1,881,362; Oct. 4.
Mounting compresser. W. E. Bibl and A. Ramclaw. 1,883,390; Oct. 18.
Mounting, Compton. C. E. Summers. 1,881,067; Oct. 4.
Mounting, Cultivator rib. T. Brown and W. H. Silver. 1,846,674; Feb. 23.
Mounting cutters on box blanks. N. Marcalus. 1,843,429; Feb. 2.
Mounting, Declinometer bottle. R. O. Anderson. 1,884,061; Oct. 25.
Mounting, Demountable interchangeable wheel. C. S. Ash. 1,842,140; Jan. 19.
Mounting, Depending bearing element. M. H. Martin. 1,863,121; June 14.
Mounting, Desk set. K. S. Parker, I. D. Tefft, and N. W. Paquette. 1,853,276; Apr. 12.
Mounting, Detachable panel. H. R. Clark. 1,857,778; May 10.
Mounting device. O. Swanson. 1,884,370; Oct. 25.
Mounting device, Corner pocket. A. W. Engel. 1,852,744; Apr. 5.
Mounting device, Leaf. J. M. Meyers. 1,868,332; July 19.
Mounting, Display. S. M. Kenerson. 1,850,175; Mar. 22.
Mounting, Display. K. L. Ozmun. 1,884,173; Oct. 25.
Mounting, Door handle. M. H. Toncray. 1,883,119; Oct. 18.
Mounting, Drill cutter. G. E. Behnke and R. Giesey. 1,870,034; Sept. 27.
Mounting, Drill cutter. E. A. Reed. 1,852,478; Apr. 5.
Mounting, Dual wheel. J. H. Hunt. 1,850,397; Mar. 22.
Mounting, Electromechanical vibrator. W. E. Bower. 1,875,524; Sept. 6.
Mounting, Endless track. R. G. Le Tourneau. 1,839,766; Jan. 5.
Mounting, Engine. E. S. MacPherson. 1,881,777; Oct. 11.
Mounting, Fish reel. W. Deering. 1,879,795; Sept. 27.
Mounting for acoustical diaphragms. L. Lumiere. 1,845,506; Feb. 16.
Mounting for aircraft motors. H. C. Otwell. 1,844,523; Feb. 9.
Mounting for amplifier devices. L. W. Chubb. 1,844,637; Feb. 9.
Mounting for anti-friction bearings. D. J. Mayer. 1,870,860; Aug. 9.
Mounting for a panel. L. G. Hunter. 1,891,932; Dec. 27.
Mounting for arc lamps. E. A. Willsford. 1,847,509; Mar. 1.
Mounting for artificial teeth. W. F. Rodin. 1,875,499; Sept. 6.
Mounting for automatic shapers, Clamp. O. Onsrud. 1,868,869; July 19.
Mounting for automobile bearers. Q. G. Noblitt and E. C. Booth. 1,870,378; Aug. 9.
Mounting for automobile radios, Loud speaker. R. H. Langley. 1,874,313; Aug. 30.
Mounting for automobiles, Battery. H. C. Snow. 1,862,714; June 14.
Mounting for ball bearings. E. C. Ballman. 1,850,068; Mar. 22.
Mounting for blast-furnace stacks, Distributor. K. F. Juenglng. 1,841,738; Jan. 19.
Mounting for books and the like. R. Wagner, jr. 1,847,496; Jan. 26.
Mounting for camera frame yoke. M. King. 1,883,796; Oct. 18.
Mounting for camera tilting heads, Handle. G. A. Mitchell. 1,889,260; Nov. 29.
Mounting for carriers for coils of flexible strip material in tinplate and other material. A. B. F. G. Richardson. 1,868,915; July 26.
Mounting for compasses. A. L. Rawlings. 1,880,982; Oct. 4.
Mounting for cooling towers, Louver. J. B. Harry. 1,855,962; Apr. 26.
Mounting for cover plates for switches and receptacles. H. Hubbell. 1,840,582; Jan. 12.
Mounting for cultivator shovels and the like. H. R. Traphagen. 1,865,651; July 5.
Mounting for dirigible lights. C. Sklarek. 1,869,984; Aug. 2.
Mounting for dolls, Eye. M. De Cesare. 1,840,837; Jan. 12.
Mounting for electrical devices. E. Soreny. 1,880,511; Oct. 4.
Mounting for electrical devices, Resilient. E. G. Fracker. 1,874,271; Aug. 30.
Mounting for firearms, Tripod. E. A. Dugied. 1,849,742; Mar. 15.
Mounting for flexible conductors. J. H. Powers. 1,848,837; Mar. 8.
Mounting for flexible cords. G. A. Kiffe. 1,844,511; Feb. 9.
Mounting for fruit brushes, Brush. L. E. Jones. 1,851,436; Mar. 29.
Mounting for gas burners, Multiple unit. D. G. Kelley. 1,879,301; Sept. 27.
Mounting for grinding devices, Abrasive. P. D. Bates and M. C. Hutto. 1,874,855; Aug. 30.
Mounting for ground working implements, Cutting blade. L. L. J. L., and S. I. Chong. 1,885,231; Nov. 1.
Mounting for incandescent lamps, Filament. D. S. Gustin. 1,869,559; Aug. 2.
Mounting for individual wheels, Spring. A. F. Masury. 1,849,765; Mar. 15.
Mounting for internal combustion engines, Crankcase. C. L. Walker. 1,875,682; Sept. 6.
Mounting for lathes, Slide. W. H. Foster. 1,878,628; Sept. 20.
Mounting for mitrailleuses. A. L. Ricordel. 1,855,069; Apr. 19.
Mounting for molding machines, and the like, Pressure bar. C. L. Mattison. 1,844,069; Feb. 9.
Mounting for motion-picture machines, Photo cell. A. Dina. 1,847,644; Mar. 1.
Mounting for motion picture projection machines, Pad roller. A. Dina. 1,857,116; May 3.
Mounting for ornaments. F. P. Daughday. 1,876,624; Sept. 13.
Mounting for panels. L. G. Hunter. 1,892,104; Dec. 27.
Mounting for penholder, Swivel. D. V. Bowen. Des. 85,906; Jan. 5.
Mounting for sheet tube connections or rod meters. E. S. Cole. 1,883,583; Oct. 18.
Mounting for power plants. C. J. Bock. 1,845,393; Feb. 16.
Mounting for printing telegraphs, Type wheel. A. Vischer, jr. 1,862,359; June 14.
Mounting for radiator shutters. A. F. Ihde. 1,877,324; Sept. 13.
Mounting for railway cars, Hand brake. R. W. Burnett. 1,879,971; Sept. 27.
Mounting for rectifier plates. L. F. Bird. 1,860,069; May 24.
Mounting for reproducer arm, Nonvibratory. R. C. Burt. 1,875,848; Sept. 6.
Mounting for rock drills. R. H. Wilhelm. 1,868,650; July 26.
Mounting for sliding doors. A. F. Hess and F. G. Kiehl. 1,847,961; Mar. 1.
Mounting for steering wheels of vehicles. A. Arato. 1,892,479; Dec. 27.
Mounting for stub axles, Spring. A. F. Masury. 1,858,783; May 17.
Mounting for tractors, Front axle. L. S. Quinan. 1,851,866; Mar. 29.
Mounting for truck tanks. R. J. Neely. 1,848,191; Mar. 8.
Mounting for wall tents. C. E. Friesner. 1,845,143; Feb. 16.
Mounting for water meters. W. A. White and B. A. Flood. 1,866,437; July 5.
Mounting for weft parters. O. V. Payne. 1,881,924; Oct. 11.

Mounting for windshield cleaners, Wiper arm. H. Hueber and E. C. Horton. 1,877,321; Sept. 13.
Mounting for X-Ray tubes. C. Fayer. 1,874,478; Aug. 30.
Mounting frame for electrical apparatus. F. H. Graham. 1,881,503; Oct. 11.
Mounting frame for electrical apparatus. E. D. Mead. 1,882,854; Oct. 18.
Mounting, Fluid driven steering wheel. W. Scott. 1,841,418; Jan. 19.
Mounting, Gen. E. J. Santosuosso. 1,854,958; Apr. 19.
Mounting, Glare shield. W. T. Riddle. 1,864,943; June 28.
Mounting, Ground wire clamp. K. A. Hawley. 1,864,651; June 28.
Mounting, Handle. F. T. Irgens. 1,859,038; May 17.
Mounting, Individual wheel. A. F. Masury. 1,858,784; May 17.
Mounting, Insulator. H. Miller. 1,853,218; Apr. 12.
Mounting, Interchangeable wheel. G. Walcher, G. A. and H. Baker. 1,849,650; Mar. 15.
Mounting, Ironing board. W. R. Dunkin. 1,888,114; Nov. 15.
Mounting, Lamp., O. M. King. 1,841,538; Jan. 19.
Mounting, Lamp. L. M. Wiley. 1,848,235; Mar. 8.
Mounting, Lever. H. C. Lord. 1,874,357; Aug. 30.
Mounting, License tag. L. L. Viverett. 1,839,816; Jan. 5.
Mounting, Machine. E. S. Lea. 1,871,708; Aug. 16.
Mounting, Machine base. J. Reid. 1,840,741; Jan. 12.
Mounting, Machine gun. R. Chadwick. 1,839,945; Jan. 5.
Mounting means for a sign or the like. W. F. Vernon. 1,885,020; Oct. 25.
Mounting, Meter. E. H. Ford. 1,847,606; Mar. 1.
Mounting, Motor. F. K. Harness. 1,867,358; July 12.
Mounting, Motor. J. K. Harness and W. E. Hann. 1,872,550; Aug. 16.
Mounting, Motor. R. K. Lee. 1,845,803; Feb. 16.
Mounting, Motor. R. K. Lee. 1,867,365; July 12.
Mounting, Motor. R. K. Lee. 1,870,765-8; Aug. 23.
Mounting, Motor. T. C. Olesen. 1,853,991; Apr. 12.
Mounting, Motor. A. W. Seyfried. 1,873,343; Aug. 23.
Mounting, Motor. E. W. Wiley and G. I. Gillies. 1,870,812; Sept. 13.
Mounting, Motor vehicle body. J. L. Brownell. 1,867,806; July 19.
Mounting, Muffler. H. F. Hadley. 1,890,151; Dec. 6.
Mounting of electric pick-ups for gramophones. R. D. Cargill. 1,868,304; July 19.
Mounting of internal combustion power units in vehicles. O. Simmen. 1,887,862; Nov. 15.
Mounting, Oil and gas burner. R. H. Forney. 1,844,315; Feb. 9.
Mounting, Oil filter. E. W. Allen. 1,854,971; Apr. 19.
Mounting, Ophthalmic. N. M. Baker. Des. 87,189; June 7.
Mounting, Ophthalmic. F. E. Bowers. Des. 87,617; Aug. 23.
Mounting, Ophthalmic. L. L. Gagnon. 1,842,377; Jan. 26.
Mounting, Ophthalmic. B. J. Jacobson. 1,885,014; Oct. 25.
Mounting, Ophthalmic. J. N. Nelson. 1,867,865; July 19.
Mounting, Ophthalmic. G. E. Nerney. Des. 86,328; Feb. 16.
Mounting, Ophthalmic. G. E. Nerney. Des. 87,441; July 26.
Mounting, Ophthalmic. W. S. Searles. 1,891,653; Dec. 20.
Mounting, Optical. E. Pappert. 1,887,846; Nov. 15.
Mounting, Rad. F. J. Stuart. 1,858,943; May 17.
Mounting, Pen socket. G. J. Sengbusch. 1,847,674; Mar. 1.
Mounting, Pin tumble cylinder. W. R. Schlage. 1,875,396; Sept. 6.
Mounting plate for instrument panels, Combination. J. E. Eshbaugh. 1,840,494; Jan. 12.
Mounting, Pressure gauge mechanism. T. G. Moulding. 1,847,439; Mar. 1.
Mounting, Propeller. R. T. Svendsen and D. G. Chandler. Re18,602; Sept. 20.
Mounting, Propeller. R. T. Svendsen and D. G. Chandler. Re18,605; Sept. 20.
Mounting, Propeller hub and blade. T. F. Hamilton. 1,870,361; Aug. 9.
Mounting, Radiator guard. L. W. Dresser. 1,883,629; Oct. 18.
Mounting, Radio transmitter. H. P. Miller, jr., and E. G. Ports. 1,873,009; Aug. 23.
Mounting, Recess bed. R. J. Ellsworth. 1,863,194; June 14.
Mounting, Reserve wheel clement. E. V. Barker. 1,889,220; Nov. 31.
Mounting, Resistor. C. J. Hathorn. 1,874,744; Aug. 30.
Mounting, Rock drill. G. M. Nell. 1,859,748; May 24.
Mounting, Scraper blade. G. E. Dean. 1,876,865; Sept. 13.
Mounting, Shaft. L. A. Cummings. 1,871,116; Aug. 9.
Mounting, Sheet glass. P. J. Feykert. 1,877,835; Sept. 20.
Mounting, Shift lever. P. L. Tenney and L. F. Le Gros. 1,880,849; Nov. 8.
Mounting, Spinning ring. J. A. Clapp. 1,853,800; Apr. 12.
Mounting, Steering gear pin. F. F. Chandler. 1,848,825; Mar. 8.
Mounting, Steering wheel. M. G. Ivandick. 1,879,936; Sept. 27.
Mounting, strip for metal tiles. W. M. Goldsmith. 1,846,196; Feb. 23.
Mounting strip, Outlet box. D. E. Richardson. 1,853,228; Apr. 12.
Mounting, Switch block. W. H. Frank. 1,846,714; Feb. 23.
Mounting, Swivel. H. Neuwirth. 1,854,951; Apr. 19.
Mounting, Tool. E. G. Gartin. 1,862,925; June 14.
Mounting, Truck tank. L. F. Phillips. 1,856,399; May 3.
Mounting, Vacuum bulb. A. I. Crawford and M. S. Glass. 1,864,528; June 28.
Mounting, Vacuum tube. J. W. Horton. 1,866,533; July 12.
Mounting, Vehicle drive wheel axle unit. A. R. LeMoon. 1,881,408; Oct. 4.
Mounting, Vibration absorbing. H. J. Flaherty. 1,857,185; May 10.
Mounting, Vibration dampening. H. C. Lord. Re18,457; May 10.
Mounting, Wheel. A. F. Masury. 1,847,125; Mar. 1.
Mounting, Window. E. F. Tannewitz. 1,861,034; May 31.
Mounting, Window sash. J. R. Stewart. 1,873,066; Aug. 23.
Mountings. Manufacture of card. L. A. Maclean. 1,853,066; Apr. 12.
Mourning ring. M. Nathan and A. Gross. Des. 87,538; Aug. 9.
Mouse and rat trap. M. E. Wood. 1,880,640; Oct. 4.
Mouse trap. L. R. Pearson. 1,868,847; July 26.
Mouth clamp. J. B. Rombough. 1,875,158; Aug. 30.
Mouth closing device. E. G. Heitritter. 1,870,566; Aug. 9.
Mouthpiece for cigarettes. L. H. Colpe. 1,865,679; July 5.
Mouthpiece for cigarettes. J. F. Hughes. 1,841,952; Jan. 19.
Mouthpiece for cigarettes. J. F. Hughes. 1,859,395; May 24.
Mouthpiece for musical wind instruments, Cup. A. A. Lunow. 1,842,001; Jan. 26.
Mouthpiece for tobacco pipes and cigar and cigarette holders. V. Dunhill. 1,861,910; June 7.
Mouthpiece for tobacco pipes, cigar or cigarette holders or other articles to be held by the teeth. F. Naimaster. 1,865,780; July 5.
Mouthpiece for wind instruments. L. Rives. 1,844,368; Feb. 9.
Mouthpiece for wind musical instruments. E. M. Hiner. 1,852,749; Apr. 5.
Mouthpiece, Germicidal transmitter. H. H. Samuels. 1,867,282; July 12.
Mouthpiece sleeve. M. J. Smith. 1,845,204; Feb. 16.
Mouth washes and dentifrices, Preparation of new. F. Braunlich. 1,869,406; Aug. 2.
Movement, Apparatus for measuring irregularity of. C. W. Hewlett. 1,843,841; Mar. 1.
Movement checking machine. W. B. Eddison. 1,848,520; Mar. 8.
Moving curtain machine for educational and advertising purposes. H. C. Denslow. 1,887,803; Nov. 15.
Mower. W. J. Coultas. 1,877,272; Sept. 13.
Mower. E. F. Huddle. 1,877,273; Sept. 6.
Mower. E. F. Huddle. 1,887,352; Nov. 8.
Mower. T. W. Paul. 1,877,578; Sept. 13.
Mower. C. Pearson. 1,858,805; Apr. 19.
Mower. J. H. Todd. 1,889,391; Nov. 29.
Mower. S. P. Townsend. 1,866,238; July 5.
Mower and sprinkler, Combined lawn. F. W. Wade. 1,891,854; Dec. 20.
Mower attachment for tractors. J. E. Horste. 1,860,247; May 24.
Mower attachment, Lawn. A. Alesen. 1,870,979; Aug. 9.
Mower device. Lawn. B. F. Gravely. 1,889,830; Dec. 6.
Mower, Electrically operated lawn. G. Raun. 1,870,382; Aug. 9.
Mower for highway sides. G. W. Huntington. 1,882,016; Oct. 11.
Mower guard and knife. T. J. Bergman. 1,865,738; July 5.
Mower, Hedge and lawn. N. T. Lancaster. 1,892,620; Dec. 27.
Mower, Lawn. E. Berkwall. 1,856,233; May 3.
Mower, Lawn. J. A. E. Carlson. 1,872,119; Aug. 16.
Mower, Lawn. O. A. Dodd. 1,868,347; July 19.
Mower, Lawn. H. T. Ingerson. 1,879,271; Sept. 27.
Mower, Lawn. C. C. Klass. 1,876,963; Sept. 13.
Mower, Lawn. N. H. Motsinger. 1,889,931; Dec. 6.
Mower, Lawn. P. O'Maley. 1,854,559; Apr. 19.
Mower, Lawn. A. E. Riemenschneider. 1,876,169; Sept. 6.
Mower, Lawn. H. R. Rogers. 1,889,573; Nov. 29.
Mower, Lawn. S. and A. Rotondo. 1,869,154; Sept. 27.
Mower, Lawn. T. C. Schenk. 1,868,918; July 26.
Mower, Lawn. J. B. Stokes. 1,858,690; May 17.
Mower, Lawn. S. P. Townsend. 1,853,244; Apr. 12.
Mower, Lawn. A. G. Wagner. 1,866,380; July 5.
Mower, Lawn. C. C. Worthington. 1,865,993; July 5.
Mower, Power driven. J. A. E. Carlson. 1,858,618; May 17.
Mower, Power driven rotary. W. J. Rossiter and J. N. Wilking. 1,876,504; Sept. 6.
Mower, Power lawn. S. D. Locke and H. J. Stegeman. 1,886,408; Nov. 8.

Mower sharpening device, Lawn. M. Michalski. 1,843,830; Feb. 2.
Mower unit, Lawn. C. C. Worthington. 1,876,818; Sept. 13.
Mowers, Attachment for lawn. R. C. Best. 1,873,266; Aug. 23.
Mowers, Attachment for lawn. E. A. Gast. 1,890,810; Dec. 13.
Mowers, Divider bar attachment for. L. Larson. 1,876,462; Sept. 6.
Mowers, Edge trimming attachment for lawn. W. Bennet, A. Parrar, and P. MacKinnon. 1,858,031; May 10.
Mowers, Grass catcher for lawn. K. F. Jacobsen. 1,881,618; Oct. 11.
Mowers, Sodding attachment for lawn. J. R. Gordon. 1,876,409; Sept. 6.
Mowing machine. C. W. Archer. 1,849,264; Mar. 15.
Mowing machine. C. A. Chadbourne. 1,880,121; Sept. 27.
Mowing machine. B. F. Gravely. 1,876,662; Sept. 13.
Mowing machine. C. F. Maskus. 1,888,323; Nov. 22.
Mowing machine. C. C. Pearson. 1,859,167; May 17.
Mowing machine. S. E. Rawls. 1,861,816; June 7.
Mowing machine. P. E. Walker. 1,851,337; Mar. 29.
Mowing machines, Guard finger and ledger plate for. J. B. Jenson. 1,869,898; Aug. 2.
Mowing mechanism. W. R. Walters. 1,869,123; July 26.
Mu-anthradianthrones, Manufacture of. M. A. Kunz and K. Koeberle. 1,872,756; Aug. 23.
M-2-xyliine, Manufacture of. L. J. Allchine. 1,867,962; July 19.
Mud, Desanding rotary. J. R. Allison. 1,842,372; Jan. 26.
Mud gun. A. F. Giese, jr. 1,852,559–60; Apr. 5.
Mud gun carriage. A. F. Giese, jr. 1,852,561; Apr. 5.
Mud hauler or Carry. 1,863,187; June 14.
Mud ring. H. B. Bowen. 1,851,544; Mar. 29.
Muffler. C. Balough. 1,845,015; Feb. 16.
Muffler. J. W. Beamer. 1,866,004; July 5.
Muffler. C. Breer. 1,840,082; Jan. 5.
Muffler. J. J. Compo. 1,876,861; Sept. 13.
Muffler. E. P. Gray. 1,860,148; May 24.
Muffler. E. P. Gray. 1,860,892; May 31.
Muffler. L. L. Haas. 1,841,051; Oct. 4.
Muffler. A. H. Hopt. 1,844,857; Feb. 9.
Muffler. F. E. Kersey. 1,859,400; May 24.
Muffler. H. T. Kosterman. 1,864,915; June 28.
Muffler. H. B. Lemmerman. 1,867,273; July 12.
Muffler. V. Oldberg. 1,878,424; Sept. 20.
Muffler. E. A. Sazul. 1,892,009; Dec. 27.
Muffler. J. W. Van Dyke. 1,842,921; Jan. 26.
Muffler and air cleaner. H. L. Kamrath. 1,872,752; Aug. 23.
Muffler and air heater, Combination. J. T. Van Iderstine. 1,862,043; June 7.
Muffler and sander, Combined. C. Hoffman. 1,850,795; Mar. 22.
Muffler, Exhaust. F. H. Schnell. 1,844,104–6; Feb. 9.
Muffler for Diesel engines with single inlet and outlet port. C. H. Wiegman. 1,884,452; Oct. 25.
Muffler for internal combustion engines. F. E. Aseltine. 1,864,775; June 7.
Muffler for internal combustion engines. S. G. Baits. 1,839,192; Jan. 5.
Muffler, Sound damped. F. F. Hamilton. 1,869,419; Aug. 2.
Muffler supporting device. E. P. Gray. 1,882,555; Oct. 11.
Mufflers, Making. V. Oldberg and A. C. Born. 1,877,195; Sept. 13.
Mug or similar article. R. W. Thomas. Des. 87,606; Aug. 16.
Mulch. F. H. Kerr. 1,883,381; Oct. 18.
Mulch Plant. C. A. Adams. 1,841,591; Jan. 19.
Mulching. E. H. Angier. 1,882,713; Oct. 18.
Mulching. S. S. Eveland. 1,871,050; Aug. 9.
Mulling apparatus. H. F. Rose. 1,892,080; Dec. 27.
Mulling apparatus. N. W. Stratford. 1,867,898; July 19.
Mulling machine. H. S. Simpson. 1,857,337; May 10.
Multibreak electric switch. C. D. Ainsworth. 1,885,101; Nov. 1.
Multicolor printing press. O. H. Banker. 1,879,597; Sept. 27.
Multihelix. E. S. Nelson. 1,844,786; Feb. 9.
Multiplane adjusting and adjustment securing means. J. Daniel. 1,865,087; June 28.
Multiple baking pan. L. H. Debs. 1,880,865; Oct. 4.
Multiple fastener. P. A. Wickes. 1,853,291; Apr. 12.
Multiple generator. M. Vos and H. K. A. Sterky. 1,844,507; Mar. 8.
Multiple motor. W. H. Martin. 1,854,707; Apr. 19.
Multiple parallel flash-light. H. K. Thiel. 1,875,956; Sept. 6.
Multiple permanent mold. M. S. Clawson. 1,886,084; Nov. 1.
Multiple ply textile fabric. S. B. Hainsworth. 1,886,244; Nov. 1.
Multiple rate meter. I. C. Bushong. 1,889,632; Nov. 29.
Multiple steam drum boiler. J. G. Coutant. 1,887,182; Nov. 8.
Multiple unit tube. S. Loewe. 1,840,043; Jan. 5.
Multiplication mechanism for calculators, Automatic. H. Enders. 1,892,614; Dec. 27.
Multiplier, Reversing. V. H. Jennings. 1,852,083; Apr. 5.
Multipower system. Supercharging. A. C. Peterson. 1,841,149; Jan. 12.
Multistage auxiliary switch, Unit type. F. H. Cole and M. Skau. 1,877,537; Sept. 13.
Multiswitch coupling. P. V. Welch. 1,865,600; July 5.
Multi-top table. M. D. Gibson. 1,881,476; Oct. 11.
Multiunit tube. L. E. Mouromtseff. 1,853,632; Apr. 12.
Munting machine. W. H. King and A. Huffman. 1,860,809; May 31.
Mushroom. L. F. Lambert. Pl. Pt. 27; Sept. 20.
Mushroom spawn and making same. J. W. Sinden. 1,869,517; Aug. 2.
Music, Apparatus for turning of leaves of. L. B. Klaussen. 1,849,459; Mar. 15.
Music builder. H. Rosecrants. 1,882,941; Oct. 18.
Music, Device for turning. E. Mahr. 1,883,390; Nov. 22.
Music leaf turner. O. F. Richeda. 1,854,065; Apr. 12.
Music leaf turner. C. B. Snively and J. H. Wolf. 1,883,034; Oct. 18.
Music leaf turner. L. M. Tartaglia. 1,844,990; Feb. 16.
Music, Method and apparatus for the production of. C. T. Jacobs. 1,886,687; Nov. 8.
Music, Producing organ. H. F. Waters. 1,850,188; Mar. 22.
Music stand, Collapsible. D. M. Wright. 1,879,865; Sept. 27.
Music table. I. S. Granstrom. 1,853,728; Apr. 12.
Music writing machine. G. E. Underwood. 1,847,282; Mar. 1.
Musical box. A. Reuge. 1,876,753; Sept. 13.
Musical directing apparatus. O. A. Ross. 1,870,823; Aug. 9.
Musical instrument. E. H. Bergh. 1,841,397; Jan. 19.
Musical instrument. R. C. Hitchcock. 1,877,317; Sept. 13.
Musical instrument. M. Jackson. 1,865,522; July 5.
Musical instrument. H. T. Kingsley. 1,880,961; Oct. 4.
Musical instrument. L. Levgovd. 1,843,034; Jan. 26.
Musical instrument. J. A. Nichols. 1,852,853; Apr. 5.
Musical instrument. V. C. Overton. 1,890,861; Dec. 13.
Musical instrument. A. Pfeil. 1,861,717; June 7.
Musical instrument. D. M. Solenberger. 1,853,999; Apr. 12.
Musical instrument. A. Styslowsky. 1,891,848; Dec. 20.
Musical instrument and manufacturing the same. A. P. Young. 1,881,229; Oct. 4.
Musical instrument case. E. J. Gulick. 1,855,232; Apr. 26.
Musical instrument control. E. Verlinden. 1,874,663; Aug. 30.
Musical instrument, Electrical. P. Lertes and B. Helberger. 1,847,119; Mar. 1.
Musical instrument, Electrical. M. L. E. Martenot. 1,853,620; Apr. 12.
Musical instrument, Fretted stringed. A. Larson. 1,889,408; Nov. 29.
Musical instrument, Mechanical. H. Lichtman. 1,884,003; Oct. 25.
Musical instrument, Percussion. W. D. Gladstone. 1,863,553; Feb. 2.
Musical instrument, Photoelectric. F. C. P. Henroteau. 1,850,267; Mar. 22.
Musical instrument, Quarter-tone keyboard. F. A. G. Forster. 1,851,168; Mar. 29.
Musical instrument, Stringed. P. E. Blondin. 1,883,503; Oct. 18.
Musical instrument, Stringed. C. Bonewitz. 1,876,558; Sept. 13.
Musical instrument, Stringed. R. D. Currier. 1,881,311; Oct. 4.
Musical instrument, Stringed. R. Dopyera. 1,872,633; Aug. 16.
Musical instrument, Stringed. H. G. Finney and J. H. Large. 1,847,303; Mar. 1.
Musical instrument, Stringed. G. Guibeaud. 1,864,690; June 28.
Musical instrument, Stringed. O. Watson. 1,848,920; Mar. 8.
Musical instrument, Vibrato stringed. J. N. Novotny. 1,888,140; Nov. 15.
Musical instrument, Wind. A. Loomis. 1,855,248; Apr. 26.
Musical instrument, Wind. E. B. Todt. 1,867,481; July 12.
Musical instruments. B. K. Settergren. 1,883,001; Oct. 18.
Musical instruments, Change control mechanism for automatic. L. T. Kincannon. 1,847,400; Mar. 1.
Musical instruments, Pitch adjusting device for wind. A. Ciccone. 1,844,242; Feb. 9.
Musical instruments, Tail piece for stringed. W. W. Wehmann. 1,884,434; Oct. 25.
Musical instruments, Tracker mechanism for. J. T. Austin. 1,870,015; Sept. 27.
Musical modulator. G. M. Hurst. 1,840,903; Jan. 12.
Musical sounds, Producing. R. K. Potter. 1,848,222; Mar. 8.
Musical string instrument. J. B. Barredo. 1,885,672; Nov. 1.
Muskrat trap. P. B. Clausen. 1,850,534; Mar. 22.
Mute. W. H. Chapin. 1,843,444; Feb. 2.
Mute. L. Sansone. 1,855,423; Apr. 26.
Mute for stringed musical instruments. M. Sarrablo y Clavero. 1,870,324; Aug. 9.
Muzzle, Calf. F. M. Ingram. 1,882,619; Oct. 11.

N-monoalkyl and N-dialkyl aromatic amines of the benzene series, Separating. E. C. Britton and R. D. Holmes. 1,890,246; Dec. 6.
Nail. J. L. Shanklin. 1,891,246; Dec. 20.
Nail aligning device. A. Tanalius. 1,887,109; Nov. 8.
Nail and tack puller. T. Klüglein. 1,891,164; Dec. 13.
Nail capping machine. E. V. Swangren. 1,839,450; Jan. 5.
Nail detergent, Finger. T. F. Bradley. 1,878,102; Sept. 20.
Nail distributing apparatus. E. R. Pope. 1,841,451; Jan. 19.
Nail distributor. J. M. Benjamin. 1,867,560; July 19.
Nail distributor. T. Lund. 1,845,303; Feb. 16.
Nail distributor. J. F. Standish. 1,847,275; Mar. 1.
Nail feeding mechanism. W. C. Dickson. 1,845,651; Feb. 16.
Nail for mountain shoes, Shoe. R. Fuchs. 1,859,135; May 17.
Nail, Glazier's. F. H. Washko. 1,887,253; Nov. 8.
Nail glossifier, Finger. T. F. Bradley. 1,878,103; Sept. 20.
Nail machine. H. B. Trott. 1,888,610; Nov. 22.
Nail bin. W. H. Elston. 1,890,845; Dec. 13.
Nail puller. L. D. Titus. 1,840,858; Jan. 12.
Nail spike. R. D. Wagner. 1,855,329; Apr. 26.
Nail supplying apparatus. R. H. Lawson. 1,839,853; Jan. 5.
Nail, Weatherproof. G. E. Dickson. 1,867,354; July 12.
Nailing machine. F. L. Mackenzie. 1,855,405; Apr. 26.
Nailing machine, Portable. W. A. Day. 1,877,162; Sept. 13.
Nailing, stapling and riveting machine, Combination. J. Cunningham. 1,876,622; Sept. 13.
Nails and tacks, Heading. H. W. Wilson. 1,880,628; Oct. 4.
Nails, Making weatherproof. G. E. Dickson. 1,867,353; July 12.
Nails, Manufacture of lead headed. F. Coates. 1,866,878; July 12.
Name plate. I. W. Livingston. 1,877,919; Sept. 20.
Name plate. L. Melind. 1,863,633; June 21.
Name plate attachment. C. F. Mitchel. 1,861,130; May 31.
Name plate, Identification. A. C. Spears. 1,856,519; May 3.
Name plates and the like, Device for securing. L. J. Fox. 1,859,713; Mar. 22.
Naphthalene, Catalytic oxidation of. A. O. Jaeger. 1,844,387–8; Feb. 9.
Naphthalene derivatives, Production of. F Kačer and A. Krause. 1,841,445; Jan. 19.
Naphthalene, Hydrogenation of. R. Hupe. 1,876,007–8; Sept. 6.
Naphthenic compounds, Making. S. P. Coleman. 1,886,647; Nov. 8.
Naphthostyril compounds, Manufacturing monohalogenated. H. Scheyer. 1,877,057; Sept. 13.
Napkin. J. T. Vogel. Des. 87,092; May 31.
Napkin and dispenser therefor, Folded paper. J. S. Daniels. 1,874,850; Aug. 30.
Napkin and making it. P. A. Fischer. 1,882,133; Oct. 11.
Napkin holder. S. J. Campbell. 1,878,437; Sept. 20.
Napkin or similar article, Paper. R. W. Beach. Des. 87,190–1; June 21.
Napkin, Paper. T. H. Delicianes. Des. 87,740; Sept. 13.
Napkin, Paper. P. A. Fischer. 1,844,468; Feb. 9.
Napkin, Paper. G. H. Gardner. 1,880,345; Oct. 4.
Napkin, Paper. F. M. Rowelewski. 1,865,922; July 5.
Napkin ring or similar article. B. H. Prout. Des. 86,266; Feb. 16.
Napkin, towel, and the like, Paper. La Veck. 1,878,866; Sept. 20.
Napkins, Method of and apparatus for folding. C. C. Willis. 1,874,728; Aug. 30.
Napping or felt conditioning apparatus. M. F. Flynn. 1,874,270; Aug. 30.
Nasal and pulmonary afflictions, Device for treating. A. N. Darby. 1,870,538; Aug. 9.
Nautical instrument. W. Lilly. 1,857,597; May 10.
Navigating instrument. E. J. Willis. 1,845,860; Feb 16.
Navigation light. V. E. Carbonara. 1,876,852; Sept. 13.
Navigation system and method. F. A. Kolster. 1,872,975; Aug. 23.
Navigator, Automatic. H. T. Avery. 1,854,391; Apr 19.
N-dihydro anthraquinoneazines, Production of. J. Ogilvie 1,847,332; Mar. 1.
Nebulizer. G. Miller. 7,865,942; July 5.
Neckband. A. J. Shaukis. 1,893,308; Dec. 13.
Neckband pump. H. C. Faulkner. 1,851,501; Mar. 29.
Neckband former. R. C. Pauly. 1,844,975; Feb. 16.
Neckbace pendant or other jewelry for personal use. E. E. Schleher. Des. 87,133; June 7.
Neckpiece for a woman's garment or similar article. N Klein. Des. 87,581–2; Aug. 16.
Necktie. L. Bianchi. 1,857,271; May 10.
Necktie. M. Caridis. 1,872,118; Aug. 16.
Necktie. F. R Collett. 1,847,294; Mar. 1.
Necktie. C. H. Davis. 1,890,727; Dec. 13.
Necktie. E. Gerstfeld. 1,858,009; May 10.
Necktie. M. Halpern. Re18,481; May 24.
Necktie. D. Mayers. 1,849,633; Mar. 15.
Necktie. J. Y. Morris. 1,857,472; May 10.
Necktie. L. S. Otten. 1,890,001; Dec. 6.
Necktie. C. H. Rodeback. 1,878,604; Sept. 20.
Necktie. O. C. Samphere. 1,873,333; Aug. 23.
Necktie. I. Simson. 1,885,956; Nov. 1.
Necktie. W. H. Ve Relle. 1,891,630; Dec. 20.
Necktie and attaching same to a collar. H. A. Clark. 1,870,092; Sept. 27.
Necktie and preparing the same, Double faced. O. Weinstein. 1,880,001; Sept. 27.
Necktie and tying same. C. M. Bedford. 1,858,429; May 17.
Necktie crease remover. G. B. Ness. 1,871,222; Aug. 9.
Necktie device. J. W. Johnson. 1,890,684; Dec. 13.
Necktie, Four-in-hand. I. Simson. 1,842,920; Jan. 26.
Necktie of the four-in-hand type. G. H. Brinkley. 1,872,381; Mar. 29.
Necktie, Longitudinally folding washable. M. C. McCurrach. 1,891,477; Dec. 20.
Necktie pin. H. Weisner. 1,857,226; May 10.
Neckties, Process of and mechanism for making. E. E. Ames and J. F. Munger. 1,839,855; Jan. 5.
Neckwear. L. A. Stern and S. Carlin. 1,879,857; Sept. 27.
Needle. A. Gagné. 1,856,052; Apr. 26.
Needle. R. J. Lowrie. 1,844,364; Feb. 9.
Needle. J. Messing. 1,848,900; Mar. 8.
Needle. S. A. Trejo. 1,878,915; Sept. 20.
Needle. L. A. Whitehead. 1,851,758; Mar. 29.
Needle assemblage, Knitting machine. A. Gagné. 1,877,503; Sept. 13.
Needle bar for straight knitting machines. K. R. Liebernecht. 1,874,108; Aug. 30.
Needle bars, Making. K. Howie. 1,848,294; Mar. 8.
Needle changing device. W. R. Oyston. 1,843,401; Feb. 2.
Needle finishing machine. A. Hoffmann and O. Kanis. 1,853,426; Apr. 12.
Needle for sound reproducing instruments. A. L. Walten. 1,879,722; Sept. 27.
Needle holding handle. M. Vitoux. 1,871,099; Aug. 9.
Needle, Indicator. H. L. Joyce. 1,840,039; Jan. 5.
Needle, Knitting. B. L. Malkind. 1,864,362; June 21.
Needle, Knitting. C. Miller. 1,876,259; Sept. 6.
Needle, Knitting. R. K. Mills. 1,884,090; Oct. 25.
Needle, Knitting. F. J. Potter. 1,860,788; May 31.
Needle, Knitting. F. J. Potter. 1,861,358; May 31.
Needle, Knitting. M. L. Pruden. 1,866,222; July 5.
Needle, Knitting machine. R. K. Mills. 1,886,291; Nov. 1.
Needle, Latch knitting machine. G. L. Hancock. 1,842,948; Jan. 26.
Needle, Loop forming. G. A. Carlson. 1,863,466; June 14.
Needle, Loop-forming. G. A. Carlson. 1,880,787; Oct. 4.
Needle operating mechanism. A. M. Muller. 1,867,087; July 12.
Needle selecting mechanism for knitting machines and the like. E. Milner. 1,890,241; Oct. 4.
Needle, Spring knitting. B. Hertan. 1,885,097; Oct. 25.
Needle straightening clamp. A. E. Parker. 1,880,979; Oct. 4.
Needle threader. A. C. Longfellow. 1,865,931; July 5.
Needle, Tufting. W. L. Roberts. 1,878,889; Sept. 20.
Needle valve stem and operating mechanism for. K. Hanrahan and G. Lacasse. 1,865,316; June 28.
Needle work. A. H. Shillman. 1,887,364; Nov. 8.
Needles, Device for sharpening gramophone. A. F. J. Wright. 1,851,229; Mar. 29.
Needles, Making knitting machine latch. F. W. Corey. 1,874,457; Aug. 30.
Needling apparatus. A. Curioni. 1,853,961; Apr. 12.
Negative resistance. M. M. Dolmage. 1,863,566; June 21.
Negatives for printing, Process and apparatus for preparing. J. W. Myers. 1,841,048; Jan. 12.
Negatives, Producing mechanical. H. H. Streuber. 1,870,923; Sept. 20.
Negatives, Trick method of producing composite. M. Handschiegl. 1,840,670; Jan. 12.
Negatives without photography, Production of. E. P. Mullan. 1,851,369; Mar. 29.
Nest, Automatic recording trap. W. A. Harron. 1,847,960; Mar. 1.
Nest, Automatic trap. P. Owen. 1,859,154; May 17.
Nest, Egg transferring and sorting trap. C. C. Forney. 1,861,122; Oct. 4.
Nest for a hen and her eggs, Identification. C. A. Rainwater. 1,842,839; Jan. 26.
Nest for canary bird cages, Outside. J. Palubiak. 1,874,708; Aug. 30.
Nest, Hen's. W. T. Esch. 1,892,235; Dec. 27.
Nest, Hen's. D. Rees. 1,872,695; Aug. 16.
Nest, Hen's. B. H. Woods. 1,847,740; Mar. 1.
Nest, Poultry. S. Yuhas. 1,860,304; May 24.
Nest, Trap. C. Lemmon. 1,857,967; May 17.
Nested chair. L. Dellert. 1,891,145; Dec. 13.
Nesting bin. T. Shaw. 1,862,609; June 14.
Net, Fish landing. A. C. Siamen. 1,857,826; May 10.
Net, Folding landing. C. F. Lorzelere. 1,886,559; Nov. 8.
Net, Live bait trap. C. F. Myers and W. H. Reisner. 1,888,138; Nov. 15.
Net, Trawl. A. L. Sykes. 1,852,491; Apr. 5.
Network reactor. F. W. Gay. 1,846,030; Feb. 23.
Neutral brake. H. H. Waters. Re18,561; Aug. 9.
Neutralizer bar. W. H. Chapman. 1,841,823; Jan. 12.

New catalysts. A. Bierichs. 1,870,357; Aug. 9.
New composition of matter and making same. T. B. Wagner. 1,845,370; Feb. 16.
Newspaper vending machine. J. A. Hebb. 1,876,292; Sept. 6.
News plate casting machine, Late. H. A. W. Wood. 1,857,228; May 10.
News printing device, Late. O. C. Roesen. 1,882,933; Oct. 18.
N-hydroxyethylated derivatives of 1-amino or 2-amino-5-hydroxynaphthalene-7-sulphonic acid. G. Matzdorf. 1,873,443; Aug. 23.
Niches employed in crematoriums. E. E. Erickson. 1,887,084; Nov. 8
Nickel and nickel alloys with compositions containing "lithium-alkali" alloys and products resulting from such treatments. Treating molten. H. Osborg. 1,869,409; Aug. 2.
Nickel bearing materials, Refining. R. L. Peek and C. A. Knittel. 1,887,037; Nov. 8.
Nickel catalysts, Manufacturing. J. Al. 1,862,949; June 14.
Nickel, Improvement of. A. Burkhardt. 1,847,044; Feb. 23.
Nickel or other metals, Carbonizing. H. M. Elsey. 1,880,937; Oct. 4.
Nickel, Recovery of. R. C. Stanley. 1,854,234; Apr. 19.
Nicotine contained in raw tobaccos, in intermediary products, and in tobacco products ready for use, Method and apparatus for reducing the percentage of. A. Wenusch. 1,843,638; Feb. 2.
Nicotine contained in raw tobaccos, intermediary products, and tobacco products ready for use, Reducing the percentage of. A. Wenusch. 1,880,336; Oct. 4.
Nicotine from tobacco, Extracting the. A. Faitelowitz. 1,870,214; Sept. 6.
Nipper, Rail. T. A. Dimetroff. 1,849,178; Mar. 15.
Nipple. F. Brown. 1,858,356; May 17.
Nipple, Pipe. M. J. Hinson. 1,839,672; Jan. 5.
Nipple for nursing bottles. M. C. Lasky. 1,848,533; Mar. 8.
Nipple, Inflating. W. P. Downs. 1,846,189; Feb. 23.
Nipple, Lubricating. O. U. Zerk. 1,883,275; Oct. 18.
Nipple swaging machine. E. W. Stoler. 1,876,174; Sept. 6.
Nipple threading apparatus. W. B. Ewing. 1,864,897; June 28.
Nipple threading machine, Automatic. W. A. Jenkins. 1,880,391; Oct. 4.
Nipples, Apparatus for molding. F. Brown. 1,877,761; Sept. 20.
Nitrate, Trisodium phosphate-sodium. F. C. Bowman. 1,895,453; Dec. 13.
Nitrates and other products, Manufacturing. D. L. Jacobson. 1,864,826; June 28.
Nitrates, Manufacturing alkali metal. H. Lawarree. 1,891,426; Dec. 20.
Nitrates, Stabilization of organic. J. H. Werntz. 1,846,926; Feb. 23.
Nitration of shredded and baled cellulose. A. Hough, J. R. Dufford, and W. C. Leonhard. 1,861,922; June 7.
Nitric oxide from gases, Removal of. F. A. Bent. 1,883,547; Nov. 22.
Nitriles, Preparing. H. Hagenest and F. W. Stauf. 1,879,209; Sept. 27.
Nitriles, Production of saturated fatty acid. W. Reppe and U. Hofmann. 1,891,055; Dec. 13.
Nitro compounds, Reducing. S. P. Miller. 1,845,759; Feb. 16.
Nitro compounds, Reduction of organic. C. A. Lyford. 1,878,950; Sept. 20.
Nitro derivative of butylcymene and preparing the same. H. Barbier. 1,892,128; Dec. 27.
Nitroaminotrapinone, Production of. H. T. Stowell. 1,856,231; May 3.
Nitro-β-hydroxypyridine and nitro-β-hydroxyalkylpyridine and preparing them. O. Wulff. 1,889,303; Nov. 29.
Nitrocellulose and making same, Alcohol-solubilized. C. Ellis. 1,883,644; Oct. 18.
Nitrocellulose and making the same, Low viscosity. C. C. Wilson. 1,883,215; Oct. 18.
Nitrocellulose, Digesting. A. C. Preston and G. C. Gress. 1,867,757; July 19.
Nitrocellulose, Dissolving and dispersing. W. B. Pratt and R. T. Halsted. 1,870,864; Aug. 9.
Nitrocellulose, Making. N. Picton. 1,872,181; Aug. 16.
Nitrocellulose manufacture and cellulose therefor. M. O. Schur and B. G. Hoos. 1,880,054; Sept. 27.
Nitrocellulose plasticizer and pigment grinding composition. C. W. Simms, W. J. Bannister, and L. C. Swallen. 1,864,151-2; June 21.
Nitrocelluloses, Preparation of. M. O. Schur and B. G. Hoos. 1,880,055; Sept. 27.
Nitrogen and hydrogen mixtures, Producing. R. L. Dodge. 1,845,784-7; Feb. 16.
Nitrogen, carbonic oxide and hydrogen, Preparing. M. E. H. Minotte. 1,873,253; Aug. 30.
Nitrogen compounds, Catalytic reduction of organic. A. O. Jaeger. 1,845,280; Feb. 16.
Nitrogen compounds soluble in aliphatic and aromatic hydrocarbons and to the process of producing the same, Heterocyclic. T. A. Cassidy, F. J. Busser, and H. T. Hornrige. 1,880,850; May 31.
Nitrogen-containing derivatives of dibenzpyrenquinones and preparing them. G. Kränzlein, H. Vollmann, and M. Corell. 1,876,966; Sept. 13.
Nitrogen-hydrogen mixtures for ammonia synthesis, Purification of. R. S. Richardson. 1,889,934; Dec. 6.
Nitrogen-hydrogen gas mixtures free from oxygen, Production of. L. C. Jones. 1,856,955; May 3.
Nitrogen oxides, Recovery of. O. Kaselitz and W. Katz. 1,865,917; July 5.
Nitrogenous products from products of animal origin, Manufacture and extraction of. M. Kahn. 1,858,362; May 17.
Nitrogenous products, Production of. E. Germann. 1,842,018; Jan. 19.
Nitro-halogenquinazolines and producing same. W. Hentrich and M. Hardtmann. 1,880,447; Oct. 4.
Nitrophosphates. E. Lischer. 1,871,895; Aug. 16.
Nitroso diazo solutions, Producing. R. Jung. 1,880,959; Oct. 4.
N-methyl-P-amino phenol sulphate, Preparation of. F. Sommer and M. Nassau. 1,886,449; Nov. 8.
Noise eliminator. W. K. Flavin. 1,888,332; Nov. 1.
Noise eliminator. E. B. Stimpson. 1,870,428; Aug. 9.
Noise maker. R. Felgner. 1,840,773; Jan. 12.
Noise, System for eliminating tube. C. W. Hansell. 1,850,104; Mar. 22.
Noises in motor vehicles, Apparatus for locating. J. G. Collins. 1,878,380; Sept. 20.
Noodle press, O. Reiser. 1,871,558; Aug. 16.
Noodles, Manufacturing egg. A. K. Epstein and B. R. Harris. 1,883,653; Oct. 18.
Nonmetallic wheel. C. W. Johnsur. 1,871,417; Aug. 9.
Nonreturn device. C. D. Jermyn. 1,850,704; May 24.
Nonreusable coupling. J. J. Lauster. 1,854,048; Apr. 12.
Non-skid apparatus. W. Douthitt. 1,878,386; Sept. 20.
Non-skid apparatus for automobiles. V. Jendrejcak and T. Kolacki. 1,868,390; July 19.
Nonskid device, Automatic. D. J. Hughes. 1,846,335; Feb. 23.
Nonskid device, Automobile. J. Schneider, jr. 1,884,283; Oct. 25.
Nonskid unit. J. J. and C. Kraly. 1,862,408; June 7.
Normalizing furnace. G. C. Kimball. 1,869,597; Aug. 2.
Nose bridge for spectacles. G. E. Nerney. Des. 87,125; June 7.
Notching device. E. Falcke. 1,875,229; Aug. 30.
Note finder, Instant. J. Rantz. 1,844,976; Feb. 16.
Noting apparatus. F. Perrym. 1,848,351; Mar. 8.
Novelty, Advertising. C. Bustamante. 1,855,076; Oct. 25.
Novelty, Advertising. H. Lowanstein. 1,841,041; Jan. 12.
Novelty, Advertising. R. W. Manning. 1,885,122; Nov. 1.
Novelty, Advertising. A. Rosenthal. 1,873,795; Aug. 9.
Novelty, Illuminated. E. W. Herring. 1,862,678; June 14.
Novelty jumping accessory for sleds or the like. G. C. Folberth. 1,863,441; June 14.
Novelty, Musical. J. Wright. 1,856,164; May 3.
Novelty, Musical. F. J. Langer. 1,885,843; Nov. 1.
No-volt tripping mechanism for electrical switches. F. J. Favitt. 1,874,707; Aug. 30.
Nozzle, Cement gun. J. T. Vawter. 1,885,645; Nov. 1.
Nozzle. C. G. Dietsch. 1,880,880; Oct. 4.
Nozzle. J. W. Grant. 1,862,926; June 14.
Nozzle. J. W. Grant. 1,862,957; June 14.
Nozzle. J. M. Hothersall. 1,873,840; Aug. 23.
Nozzle, C. Iverson. 1,866,203; July 5.
Nozzle. O. Janssen. 1,845,918; Feb. 16.
Nozzle. J. Rigby. 1,864,473; June 21.
Nozzle, W. Schuchardt and J. L. Herold. 1,850,570; Mar. 22.
Nozzle. M. C. Shaw. 1,848,436; Mar. 8.
Nozzle. J. N. White. 1,871,103; Aug. 9.
Nozzle, Adjustable. H. C. Wright. 1,883,264; Oct. 18.
Nozzle, Air. J. M. McClatchie. 1,873,092; Aug. 23.
Nozzle, Atomizing. J. Arneng. 1,879,012; Sept. 27.
Nozzle block, Turbine. W. Beekeman. 1,883,886; Oct. 25.
Nozzle, Blowtorch. D. E. Bicknell. 1,852,193; Apr. 12.
Nozzle, Bottle. P. Berman. 1,844,342; Feb. 9.
Nozzle, Burner. J. Ravenna. 1,849,993; Mar. 15.
Nozzle, Casing. L. V. Aronson. 1,853,028; Apr. 12.
Nozzle closure for metal containers. W. F. Punte. 1,890,235; Dec. 6.
Nozzle control, Curtainless sand blast. W. A. Fulkerson and C. I. Bain. 1,857,188; May 10.
Nozzle device. W. Wenderhold. 1,840,863; Jan. 12.
Nozzle directing device. R. J. McIntosh. 1,873,615; Aug. 23.
Nozzle, Dispensing. F. S. Hogg. 1,850,877; Mar. 22.
Nozzle, Dual tube. M. Lopatin. 1,852,427; Apr. 5.
Nozzle, Filling. N. B. Kiester. 1,848,179; Mar. 8.
Nozzle, Fluid dispensing. W. I. Carpenter. 1,865,355; June 28.
Nozzle for a septic discharge of liquids. P. Berman. 1,885,218; Nov. 1.
Nozzle for burning powdered coal, Carbureting. W. L. and H. L. McLaughlin. 1,856,154; May 3.
Nozzle for dispensing apparatus, Nose. B. J. Pepper. 1,850,063; Mar. 15.
Nozzle for fuel valves in internal combustion engines, Cooled. H. Lummen. 1,879,985; Sept. 27.
Nozzle for internal combustion engine, Injection. O. Bauer. 1,862,459; June 7.

Nozzle for internal combustion engines, Fuel injector. J. J. Hauser, 1,857,192; May 10.
Nozzle for lubricating guns and pumps. H. Kreidel. 1,855,803; Apr. 26.
Nozzle for rock dusters. A. J. Gurney. 1,852,649; Apr. 5.
Nut for valve stems. D. G. Stafford. 1,887,963; Nov. 15.
Nozzle, Fuel atomizing. F. L. Josyln. 1,843,821; Feb. 2.
Nozzle, Fuel burner. P. J. Werner. 1,850,274; Mar. 22.
Nozzle, Gas burner. G. Keith. 1,840,453; Jan. 12.
Nozzle heating, cooling, and ventilating system. G. C. Lewis. 1,867,938; July 19.
Nozzle, Hose. A. T. Carnes. 1,847,470; Mar. 1.
Nozzle, Hose. S. Nedbor. 1,855,888; Apr. 26.
Nozzle, Hydraulic spray. D. Elder. 1,873,842; Aug. 23.
Nozzle or end for push type grease guns. H. H. Bray. 1,870,890; Aug. 9.
Nozzle, Hydraulic needle. E. C. Hutchison. 1,849,350; Mar. 15.
Nozzle, Hypodermic syringe. M. Payne. Des. 85,955; Jan. 5.
Nozzle, Injection. A. T. Crumbaker. 1,885,004; Oct. 25.
Nozzle, Irrigation. M. Estock. 1,883,656; Oct. 18.
Nozzle, Liquid dispensing. J. C. Woodford. 1,883,843; Oct. 18.
Nozzle, Mixing. P. L. Geer. 1,864,647; June 28.
Nozzle mounting. C. W. Obert. 1,889,874; Dec. 6.
Nozzle, Multiple blast. L. D. Peik. 1,889,132; Nov. 29.
Nozzle, Pouring. H. E. Barrell. 1,889,529; Nov. 29.
Nozzle, Pour-out. H. E. Whitney. 1,844,233; Feb. 9.
Nozzle, Pre-regulating fire-inflating. A. A. Ewald. 1,882,215; Oct. 11.
Nozzle, Refrigerated oil burner. H. S. Woodruff. 1,849,834; Mar. 15.
Nozzle, Sand blast. V. W. Falardeau. 1,889,979; Dec. 6.
Nozzle, Sanitary. J. E. Rousek. 1,855,490; Apr. 26.
Nozzle, Segmental sprinkler. A. R. Le Moon. 1,851,409; Oct. 4.
Nozzle, Self cleaning atomizing. F. J. Curran. 1,882,241; Oct. 11.
Nozzle, Spray. E. E. Deister. 1,848,700; Mar. 8.
Nozzle, Spray. J. E. Holveck. 1,889,201; Nov. 29.
Nozzle, Spray. J. H. Hunt. 1,847,384; Mar. 1.
Nozzle, Spray. G. Iacobitti. 1,852,013; Apr. 5.
Nozzle, Spray. I. Kobayashi. 1,854,201; Apr. 19.
Nozzle, Spray. C. E. Lovey. 1,885,685; June 21.
Nozzle, Sprinkler. A. R. Le Moon. 1,862,381; June 7.
Nozzle, Suction cleaner. L. Eli. 1,849,515; Mar. 15.
Nozzle, Suction cleaner. A. O. Engberg and L. Eli. 1,852,838–9; Apr. 5.
Nozzle, Suction cleaner. A. O. Engberg and E. Bilde. 1,864,854; June 28.
Nozzle tip, Adjustable. C. E. Jackson. 1,865,012; June 28.
Nozzle tip and spreader for locomotives. J. I. Parel. 1,858,690; May 22.
Nozzle, Water curtain. J. J. Gilsenan. Des. 86,307; Feb. 23.
Nozzle wiggler, Sand blast. F. J. Hull. 1,883,917; Oct. 25.
Nozzles, Attachment for L. R. Smith. 1,842,462; Jan. 26.
Nozzles, Forming. C. E. Fairweather. 1,853,556; Apr. 12.
Nozzles, Mailing. F. H. Taylor. 1,884,914; Oct. 25.
N-substituted 1,3-diamino-2-propanols and preparing them. O. Eisleb. 1,845,403; Feb. 16.
N-thio derivatives of amines, Manufacture of. T. Birchall and S. Coffey. 1,842,711. Jan. 26.
Number displaying device for telephone instruments. G. D. Cox. 1,849,500; Mar. 15.
Number plate frame, Adjustable. J. T. Corley. 1,857,141; May 10.
Numbering attachment for card punches. W. W. Lasker. 1,855,133; Apr. 19.
Nut. G. C. Easter. 1,852,203; Apr. 5.
Nut. W. C. Peters and D. C. Peters. 1,870,380; Aug. 9.
Nut. W. E. Wells. 1,865,846; June 28.
Nut and bolt. Lock. L. B. Johnson. 1,879,290; Sept. 27.
Nut and method of fabrication and assembly. E. W. Mitchel. 1,852,978; Apr. 5.
Nut and nut and screw fastened installation. A. W. Kimball. 1,878,586; Sept. 20.
Nut and washer assembly, Coupled. A. Stoll. 1,883,068; Oct. 18.
Nut, Clinch-on. R. Mitchell. 1,881,836; Oct. 11.
Nut cracker. J. S. Buckwalter. 1,883,529; Oct. 18.
Nut cracking machine. A. C. Nowlin. 1,878,423; Sept. 20.
Nut-cracking machine. E. Pickett. 1,848,495; Mar. 8.
Nut finishing machine, Automatic. J. W. Hughes. 1,847,342; Mar. 1.
Nut, Grounding. J. Mangin. 1,843,826; Feb. 2.
Nut lock. R. Bevan. 1,858,709; May 17.
Nut-lock. W. T. Burkhalter. 1,877,384; Sept. 13.
Nut lock. J. F. Collins. 1,845,958; Feb. 16.
Nut, Lock. Pyckelbeyn. 1,885,694; Nov. 1.
Nut lock. G. Elwert. 1,880,124; Sept. 27.
Nut, Lock. H. J. Frehn. 1,868,007; July 19.
Nut lock. R. H. Johnson. 1,858,709; May 17.
Nut, Lock. G. B. Pickop. 1,891,358; Dec. 20.
Nut lock. J. H. Roberts. 1,860,297; May 24.
Nut lock. G. G. Stanford. 1,887,568; Nov. 15.
Nut, Lock. V. R. Stenger. 1,878,199; Sept. 20.
Nut, Lock. L. Strober. 1,866,067; July 5.
Nut lock. J. C. Thompson. 1,892,119; Dec. 27.
Nut lock. K. Vosslo. 1,868,861; July 26.
Nut lock. S. Wise. 1,877,545; Sept. 13.
Nut, Lock. K. G. Young and H. Veit. 1,861,202; May 31.
Nut lock washer. J. J. Connell. 1,878,827; Sept. 20.
Nut locking device. T. V. Buckwalter. 1,888,657; Nov. 22.
Nut making apparatus, Dial arrangement for. S. W. Avis. 1,885,215; Nov. 1.
Nut opening and picking machine. A. C. Nowlin. 1,878,422; Sept. 20.
Nut, Self locking. W. A. Bergstrom. 1,861,833; June 7.
Nut shell inlay and process of inlaying. C. E. Kaercher. 1,878,402; Sept. 20.
Nut shelling machine. H. C. MacDougall. 1,860,746; May 31.
Nut tapping attachment for multiple spindle automatic screw machine. M. J. Matthews. 1,842,760; Jan. 26.
Nut tapping machine. K. Kumpmann, sr. 1,857,649; Nov. 15.
Nut tapping machine. H. E. Pruitt. 1,847,979; Mar. 1.
Nut threading machine. L. A. Safford. 1,858,281; May 17.
Nut washer, and the like, Self locking. J. E. Colas. 1,852,919; Apr. 5.
Nuts and screws, Self locking. J. F. Martin. 1,875,930; Sept. 6.
Nuts and washers, Method and apparatus for coupling. A. Stoll. 1,861,889; June 7.
Nuts in glass containers, Packing and preserving. D. M. Gray. 1,883,366; Oct. 18.
Nuts, Making cap. E. A. Nelson. 1,867,229; July 12.
Nuts, Making self locking. C. A. Swanstrom. 1,874,829; Aug. 23.
Nuts, Method and apparatus for extracting oil from. T. M. Rector. 1,884,860; Oct. 25.
Nuts, Preparing and distributing. W. W. Kelly. 1,872,456; Aug. 16.
Nuts to metal plates, Attaching. H. S. Hasselquist. 1,883,906; Oct. 25.
Nuts, Treating edible. C. K. and J. E. Bizzell. 1,887,256; Nov. 8.
Nuts, Treating edible. C. K. and J. E. Bizzell. Re18,703; Dec. 27.
Nuts, Treating edible. H. C. Good. 1,855,230; Apr. 26.
Nuts, Treatment of. W. F. Seyer. 1,848,906; Mar. 8.
Nutsch filtration. A. R. Grob. 1,865,061; June 28.
O-amino-p-cresol-carboxylic acid and making same. L. Laska and O. Haller. 1,847,518; Mar. 1.
Oar. J. F. Robbin. 1,875,498; Sept. 6.
Oar for rowboats, Adjustable. S. K. Salcman. 1,849,851; Mar. 15.
Oarlock. E. Sisson. 1,864,098; June 21.
Objective. C. C. Minor. 1,877,355; Sept. 13.
Objects consisting of agglomerated substances by centrifugal force, Apparatus for the manufacture of. G. Bertandeau. 1,857,233; May 10.
Objects, Positioning remote. B. A. Wittkuhns. 1,858,425; May 17.
Objects to be delivered or handed out, Apparatus for accommodating. J. S. Lottrup. 1,870,340; Aug. 9.
Observation and speaking device. J. Metz. 1,852,253; Apr. 5.
Obstacle removing device for cow catchers. T. J. Seaboch. 1,854,676; Apr. 19.
Obstructions from drain pipes and for like purposes, Device for removing. T. G. Haines. 1,842,186; Jan. 19.
Ocean swell motor. R. A. Brown. 1,852,145; Apr. 5.
Odometer. R. O. Helvey. 1,848,012; Mar. 1.
Odometer drive. R. H. James. 1,872,039; Aug. 16.
Odometer reset mechanism. I. Wedin. 1,864,330; June 21.
Odor and/or flavor of legumes, Improving and removing the. L. W. Haas and H. O. Renner. 1,870,450; Aug. 9.
Odorant for refrigeration. A. D. Macallum. 1,886,034; Nov. 1.
Offbearer, Mechanical. W. N. Browne. 1,867,873; July 19.
Offset proof press. H. F. Schmidt and L. Jung. 1,866,910; July 12.
Ohmic resistances, Method of and apparatus for manufacturing high. I. Silberstein. 1,857,769; May 10.
Ohmmeter, Earth. S. W. Burden. 1,887,915; Nov. 15.
Oil absorption of titanium dioxide pigment, Reducing the. G. Kuhn. 1,885,921; Nov. 1.
Oil agitator. W. E. A. Pipher and A. E. Pipher. 1,867,092; July 12.
Oil and fats from filter-press cake and reactivation of the spent cake, Recovering retained. W. Kelley. 1,891,715; Dec. 20.
Oil and gas separator. E. E. Greve. 1,863,111; June 14.
Oil and making the same, Nonslubcing. W. L. McCabe and B. Mead. 1,857,761; May 10.
Oil and natural gas conversion process. I. N. Beall. 1,851,593; Mar. 29.
Oil and/or reagent feeder. W. T. Knight. 1,857,385; May 10.
Oil and other products from olives, Obtaining. C. V. Zoul. 1,876,820; Sept. 13.
Oil and producing same, Emulsifiable. A. B. Hoel. 1,875,001; Aug. 30.
Oil and producing the same, Lubricating. T. W. Doell. 1,867,695; July 19.
Oil and producing the same, Lubricating. E. R. Lederer. Re18,676; Nov. 29.
Oil and reagents, Treating. G. H. Burruss. 1,863,967; June 21.

Oil and the like, Apparatus for purifying used lubricating. C. S. Garland, T. E. Beacham, and J. A. Pickard. 1,866,970; July 12.
Oil, Apparatus for distilling. S. Seelig. 1,858,467; May 17.
Oil, Apparatus for heating and cracking. J. C. Black and E. W. Gard. 1,843,739; Feb. 16.
Oil, Apparatus for recovering waste. W. Umont. 1,850,483; Mar. 22.
Oil, Apparatus for the production of lubricating. H. T. Darlington. 1,888,346; Nov. 22.
Oil base for internal combustion engines. H. J. Edwards. 1,868,055; July 19.
Oil bath construction for rotaries. L. J. Black. 1,851,799; Mar. 29.
Oil bearing commodities, Preserving. M. R. Coe. 1,880,813; Oct. 4.
Oil bearing materials, Apparatus for the low temperature carbonization of. F. Lampe. 1,842,906; Jan. 26.
Oil burner. H. W. Alden and M. A. Powers. 1,882,694; Oct. 18.
Oil burner. T. Anderson. 1,856,901; May 3.
Oil burner. A. Behrsin. 1,861,997; June 7.
Oil burner. A. Behrsin. 1,887,007; Nov. 8.
Oil burner. E. M. Carr. 1,858,536; May 17.
Oil burner. C. H. Chalmers. Des. 88,074; Oct. 25.
Oil burner. A. J. Dinkel. 1,874,933; Aug. 30.
Oil burner. H. L. Enfantz. 1,867,609; July 19.
Oil burner. F. C. Frantz. 1,874,002; Aug. 30.
Oil burner. M. A. Fesler. 1,846,386; Feb. 23.
Oil burner. J. B. Fowler. 1,878,836; Sept. 20.
Oil burner. J. E. Fowler. 1,886,667; Nov. 8.
Oil burner. E. E. Goehler and P. Amort. 1,846,716; Feb. 23.
Oil burner. S. M. Hansen. 1,861,216; May 31.
Oil burner. S. J. Heiman. 1,857,846; May 10.
Oil burner. D. H. Hill and G. Robinson. 1,855,758; Apr. 26.
Oil burner. E. S. Hoyt. 1,862,401; June 7.
Oil burner. F. W. Hvoslef. 1,855,187; Apr. 26.
Oil burner. S. A. Kraft and M. J. Mais. 1,881,687; Oct. 11.
Oil burner. J. N. Macrae and R. S. Thoresen. 1,845,028; Feb. 16.
Oil burner. W. L. Majors. 1,862,691; June 14.
Oil burner. W. C. McKesson. 1,874,781; Aug. 30.
Oil burner. F. Mellstrom. 1,885,952; Nov. 1.
Oil burner. L. Olson. 1,870,066; Aug. 2.
Oil burner. S. Perry. 1,891,835; Dec. 20.
Oil burner. J. L. Ricketts and C. F. Dengler. 1,861,284; May 31.
Oil burner. J. M. Salisbury. 1,851,871; Mar. 29.
Oil burner. C. G. Sandell. Des. 89,023; Nov. 8.
Oil burner. W. B. Sturgis. 1,840,137; Jan. 5.
Oil burner. L. Tabor and J. Tait. 1,852,380; Apr. 5.
Oil burner. H. E. Van Auken. 1,861,317; May 31.
Oil burner. C. L. Warner. 1,879,596; Sept. 27.
Oil burner. R. S. Whaley. 1,857,613; May 10.
Oil burner. L. Wilcox. 1,855,932; Apr. 26.
Oil burner. C. B. Wilson. 1,876,377; Sept. 6.
Oil burner. B. B. Zahner. 1,867,934; July 19.
Oil burner, Atomizing. W. A. Babb. 1,874,848; Aug. 30.
Oil burner, Atomizing. H. V. Leaf. 1,874,017; Aug. 30.
Oil burner, Crude. H. Gavino. 1,843,715; Feb. 2.
Oil burner, Crude. A. E. Haden. 1,869,252; July 26.
Oil burner, Fuel. C. E. Johnson and E. C. Leach. Re18,464; May 17.
Oil burner, Industrial. J. Halterman. 1,881,526; Oct. 11.
Oil burner, Reverse blast. W. E. Johnston. 1,853,277; Apr. 12.
Oil burner, Rotary. L. S. Chadwick, M. Resek, and J. A. Dahlstrom. 1,861,944; May 31.
Oil burner, Rotary. L. L. Scott. 1,888,476; Nov. 22.
Oil burner, Whirl fire. O. Falkenwalde and R. H. Lyon. 1,891,877; Dec. 20.
Oil burning apparatus. O. Appel. 1,879,011; Sept. 27.
Oil burning apparatus. L. S. Chadwick, M. Resek and J. A. Dahlstrom. 1,871,952; Aug. 16.
Oil burning apparatus, H. Monley, A. J. Frame, and J. J. Gilmore. 1,869,239; July 26.
Oil burning apparatus. A. J. Frame. 1,853,345; Apr. 12.
Oil burning apparatus. M. J. Hammers. 1,873,581; Aug. 23.
Oil burning apparatus. G. Hofmann. 1,847,831; Mar. 1.
Oil burning apparatus. J. N. Macrae and R. S. Thoresen. 1,862,690; June 14.
Oil burning apparatus. A. E. Marsball. 1,858,302; May 17.
Oil burning apparatus for steam boilers. H. C. Scott. 1,857,697; May 10.
Oil burning equipment. G. D. Sundstrand. 1,883,832; Oct. 18.
Oil burning furnace. F. A. Heath. 1,886,673; Nov. 8.
Oil burning machine utilizing air blast. A. L. Klees. 1,860,311; May 24.
Oil burning mechanism. C. Burnett. 1,871,108; Aug. 9.
Oil burning mechanism, Electrically operated and controlled. W. W. Williams. 1,888,060; Nov. 15.
Oil burning system. J. R. Brien. 1,843,757; Feb. 2.
Oil can. F. Fountaine. 1,873,835; Aug. 23.
Oil can. W. B. Lynch. 1,842,682; Jan. 26.
Oil can. V. Paone. 1,885,472; Nov. 1.
Oil can. A. E. Westwood. 1,849,161; Mar. 15.
Oil can. C. N. Wilcox. 1,865,990; July 5.
Oil can, Force feed. W. Hagstrom. 1,862,083; June 7.
Oil changing system. M. Hedgion. 1,886,098; Nov. 1.
Oil check ring for journal boxes. W. Feylinghaus. 1,865,951; July 5.
Oil cleaner. C. Hochstatter. 1,854,139; Apr. 12.
Oil composition and inhibiting oxidation thereof, Pigmented. J. C. Embardt. 1,857,274; May 10.
Oil composition and making the same, Sulphur containing. W. H. Kobbe. 1,844,400; Feb. 9.
Oil compositions, Fatty. F. L. Murrill. 1,852,787; Apr. 5.
Oil compositions, Mineral. F. I. Murrill. 1,852,788; Apr. 5.
Oil containing bottom settlings from oil wells, Device and method for treating. M. L. Bond, jr. 1,855,042; Apr. 19.
Oil conversion, Apparatus for hydrocarbon. J. B. Heid. 1,850,930; Mar. 22.
Oil conversion, Hydrocarbon. C. P. Dubbs. 1,888,028; Nov. 15.
Oil conversion, Hydrocarbon. J. D. Seguy. 1,857,406; May 10.
Oil conversion, Hydrocarbon. J. D. Seguy. 1,884,886; Oct. 25.
Oil conversion. W. G. Leamon. 1,861,399; May 31.
Oil conversion, Process and apparatus for hydrocarbon. J. C. Morrell and O. H. Fairchild. 1,843,171; Feb. 2.
Oil conversion, Refining of gasoline-like products of hydrocarbon. J. C. Morrell. 1,853,921; Apr. 12.
Oil converter. A. E. Harnsberger. 1,885,716; Nov. 1.
Oil, Converting. C. P. Dubbs. 1,843,709; Feb. 2.
Oil, Converting. F. A. Howard and N. E. Loomis. 1,869,337; July 26.
Oil, Converting. C. I. Smith and C. B. Watson. 1,887,047; Nov. 8.
Oil, Converting petroleum. J. D. Seguy. 1,854,073; Apr. 12.
Oil, Cooling. A. M. Niven. 1,855,308; Apr. 26.
Oil, Cooling. A. M. Niven. 1,874,857; Aug. 30.
Oil cooling device. H. L. Elfes. 1,876,648; Sept. 13.
Oil cooling means. K. E. Lyman. 1,881,769–70; Oct. 11.
Oil cooling system. B. Loedher. 1,860,150; May 24.
Oil cooling system. C. L. McCuen. 1,846,268; Feb. 23.
Oil, Cracking. C. P. Dubbs. 1,855,167; Apr. 19.
Oil, Cracking. G. Egloff. 1,843,151; Feb. 2.
Oil, Cracking. G. Egloff. 1,852,960; Apr. 5.
Oil, Cracking. G. Egloff. 1,854,464; Apr. 19.
Oil, Cracking. G. Egloff. 1,874,857; Aug. 30.
Oil, Cracking. L. Kirschbraun. 1,870,178; Aug. 2.
Oil, Cracking. J. D. Seguy. 1,850,291; Mar. 22.
Oil, Cracking. B. L. Souther and J. W. Greene. 1,869,028; July 26.
Oil cracking apparatus. H. P. Bassett. 1,843,861; Feb. 2.
Oil cracking apparatus. H. Thomas. 1,863,173; June 14.
Oil, Cracking hydrocarbon. C. P. Dubbs. 1,892,452; Dec. 27.
Oil cracking systems, Preventing corrosion in. J. C. Morrell and L. C. Huff. 1,844,475; Feb. 9.
Oil, Cutting. B. Gallsworthy. 1,874,956; Aug. 30.
Oil dehydration. L. B. Grisbaum. 1,848,125; Mar. 8.
Oil, Device and method for testing lubricating. R. John. 1,854,143; Apr. 12.
Oil, Dewaxing hydrocarbon. R. E. Manley. 1,867,580; July 19.
Oil distillation. S. P. Miller. 1,862,493; June 7.
Oil distillation, Method of and apparatus for. F. Denig. 1,856,471; May 3.
Oil, Distilling. E. W. Luster. 1,843,570; Feb. 2.
Oil, Distilling. A. L. Pew, jr. 1,879,948; Sept. 27.
Oil, Distilling. E. G. Ragatz. 1,862,063; June 7.
Oil distilling apparatus, Crude. J. J. Walter. 1,854,086; Apr. 19.
Oil, Distilling crude. T. J. Ryan. 1,862,942; June 14.
Oil distilling system. J. B. Hill. 1,842,756; Jan. 26.
Oil distribution system. B. L. Day. 1,850,924; Mar. 22.
Oil drainage collecting apparatus. E. Wanamaker. 1,880,546; Oct. 4.
Oil draining device for automotive engines. E. L. Bennett. 1,856,826; May 3.
Oil draining station. E. W. Holmes and E. E. Cline. 1,871,522; Aug. 16.
Oil, Drying. A. Ebner. 1,870,614; Aug. 9.
Oil, Drying. L. P. Rankin. 1,886,586; Nov. 8.
Oil emulsions, Process and apparatus for dehydration of crude. J. N. Hunter. 1,879,849; Sept. 27.
Oil engine. C. L. Cummins. 1,865,841; July 5.
Oil, Extracting. P. R. Hornbrook. 1,860,388; May 31.
Oil, Extracting fatty. M. Sato and C. Ito. 1,892,366; Dec. 27.
Oil feed system for oil engines, Pressure fuel. W. L. Robinson. 1,854,693; Apr. 19.
Oil-feeding apparatus for engines. S. E. White. 1,883,202; Oct. 18.
Oil fields, Developing. H. L. Doherty. 1,872,906; Aug. 23.
Oil filtering system. C. W. McKinley. 1,857,651; May 10.
Oil, Floor. M. T. Sundstrom. 1,860,372; May 31.
Oil for compression ignition engines, Fuel. W. Helmore. 1,849,051; Mar. 8.
Oil from fixtures thereof with water, Separation of. L. D. Jones. 1,873,597; Aug. 23.
Oil from oil cracking stills, Apparatus for preheating. D. S. Jacobus. 1,853,165; Apr. 12.
Oil from oil sands in the earth, Production of. H. L. Doherty. 1,885,807; Nov. 1.

Oil from the crank cases of engines, Method and apparatus for removing. E. J. Sweetland. 1,841,505; Jan. 19.
Oil from vegetable material, Extraction of. F. P. Dengler. 1,850,065; Mar. 22.
Oil from water, Apparatus for separating. J. Schamberger. 1,860,819; May 31.
Oil fuel burner. J. W. Jones. 188,359: Oct. 4.
Oil gas and producer gas, Making mixed. W. W. Williams. 1,865,664; July 5.
Oil gasifier. G. L. Reichelhem. 1,891,445; Dec. 20.
Oil gauge. H. H. Rubert. 1,857,384; May 10.
Oil gauge rod. L. M. Spencer. 1,865,285; June 28.
Oil, Green bloom. H. G. Smith. 1,868,473; July 19.
Oil gun. H. M. Robinson. 1,861,190; May 31.
Oil heater. W. H. Pingrey. 1,866,986; July 12.
Oil, Heating and cracking. J. C. Black and E. W. Gard. 1,869,691; May 24.
Oil immersed switch. A. West. 1,845,463; Feb. 16.
Oil, Impairing a green fluorescence to lubricating. J. C. Black. 1,842,856; Jan. 26.
Oil, Insulating. J. G. Ford. 1,856,700; May 3.
Oil, Insulating. R. Michel. 1,878,509; Sept. 20.
Oil into lacquer, Device for working wood. F. Riemann. 1,864,941; June 28.
Oil lift, Air water. W. D. Giles. 1,851,827; Mar. 29.
Oil, Low cold test lubricating. F. W. Sullivan, jr., and W. J. McGill. 1,870,074; Aug. 2.
Oil, Lubricating. S. H. Diggs. 1,869,800; Aug. 2.
Oil, Lubricating. E. C. Moore. 1,850,561; Mar. 22.
Oil, Lubricating. E. N. Roberts. 1,869,779; Aug. 2.
Oil, Lubricating. J. Robinson. 1,855,203; Apr. 26.
Oil lubricating can. Kirk & Kerkow. 1,847,188; Mar. 1.
Oil, Making a superior. W. S. Baylis. 1,866,591; July 12.
Oil, Manufacturing of lubricating. E. W. Isom. 1,859,514; May 24.
Oil, Method and apparatus for producing. I. B. Williams. 1,884,459; Oct. 25.
Oil, Method and apparatus for purifying. C. J. Rodman and R. P. Dunmire. 1,868,917; July 26.
Oil, Method of and apparatus for filtering. C. A. Palmer and E. Lenke. 1,879,451; Sept. 27.
Oil or other liquid, Device for automatically feeding and cutting off a supply of lubricating. H. P. Pfeiffer. 1,886,729; Nov. 8.
Oil pan. H. Woolson. 1,872,546; Aug. 16.
Oil preheating device. J. J. Quill. 1,861,877; June 7.
Oil, Preparing lubricating. C. C. Miller. 1,869,608; Aug. 2.
Oil, Preventing leakage of. V. P. Williams. 1,887,793; Nov. 15.
Oil, Process and apparatus for cracking. G. Egloff. 1,887,083; Nov. 8.
Oil, Process and apparatus for heating. J. C. Black. 1,869,689; Aug. 2.
Oil, Process and apparatus for the conversion of petroleum. G. and J. C. Morrell. 1,843,711; Feb. 2.
Oil, Process and apparatus for the fractional distillation of. W. G. Laird. 1,873,135; Aug. 23.
Oil, Process and apparatus for treating hydrocarbon. J. C. Morrell and J. Street. 1,892,437; Dec. 27.
Oil produced in gas manufacture, Treatment of hydrocarbon. A. R. Albright. 1,859,015; May 17.
Oil, Production of lubricating. H. T. Darlington. 1,884,387; Oct. 25.
Oil, Purification of tar-acid-bearing. S. Caplan. 1,868,447; July 19.
Oil purifying system. R. C. Osterstrom. 1,891,109; Dec. 13.
Oil recharging and recovery method and apparatus. L. Ranney. 1,851,446; Mar. 29.
Oil reclaimer, Impure. E. H. Lambert, R. L. Skinner, and P. Wellhams. 1,857,247; May 10.
Oil reclaiming and purifying system. C. J. Rodman and R. P. Dunmire. 1,864,095; June 21.
Oil reclaiming apparatus. G. Greeson and B. D. Tansey. 1,846,718; Feb. 23.
Oil, Reclaiming used lubricating. J. F. Hanke. 1,842,983; Jan. 26.
Oil, Refining. E. A. Sperry. Re18,344; Feb. 2.
Oil, Refining crude. H. E. Widdell. 1,865,494; July 5.
Oil, Refining hydrocarbon. R. I. Lewis. 1,876,702; Sept. 13.
Oil, Refining lubricating. J. G. Stafford. 1,856,934; May 3.
Oil, Refining mineral. M. A. Dietrich. 1,882,002; Oct. 11.
Oil, Refining of hydrocarbon. J. C. Morrell and J. L. Essex. 1,890,229–30; Dec. 6.
Oil refining tube still. C. V. Stewart. 1,851,067; Mar. 29.
Oil retainer. N. D. Belnap. 1,875,842; Sept. 6.
Oil retainer construction. G. O. Hodge. 1,839,677; Jan. 5.
Oil retiner for steering gears. J. J. Baumler. 1,880,659; Oct. 4.
Oil saver. E. J. Beck. 1,867,559; July 19.
Oil saver. W. G. Bradford. 1,871,836; Aug. 16.
Oil saver. G. W. Cunningham. 1,883,596; Oct. 18.
Oil saver. A. G. Hergem. 1,881,555; Oct. 11.
Oil saver. J. N. Hicks and C. Severns. 1,865,007; June 28.
Oil saver. B. P. and A. M. Hoffman. 1,846,967; Feb. 23.
Oil saver. E. W. Pearson. 1,866,903; July 12.
Oil saver. E. W. Patterson. 1,869,076; July 26.
Oil saver. G. Saunders. 1,845,683; Feb. 16.
Oil saver. H. R. Standlee. 1,848,500; Mar. 8.
Oil saver. H. R. Standlee. 1,849,358; Mar. 15.
Oil seal joint for compressor units. P. W. Des Roches. 1,892,332; Dec. 27.
Oil seal, Self contained. E. A. Braden. 1,849,359; Mar. 15.
Oil, Separating and fractionating. C. R. Wagner. 1,884,418; Oct. 25.
Oil separator. E. A. Showers and L. A. Long. 1,856,662; May 3.
Oil separator, Automatic. E. R. McClafferty. 1,871,546; Aug. 16.
Oil stocks, Treating lubricating. J. C. Black, W. D. Rial, and J. R. McConnell. 1,859,692; May 24.
Oil tank. G. A. Pape, jr. 1,874,605; Aug. 30.
Oil tanning. A. Rogers. 1,841,633; Jan. 19.
Oil temperature regulator. R. G. Dykeman and D. W. Watkins. 1,864,052; June 21.
Oil tester. G. W. Copland. 1,886,085; Nov. 1.
Oil testing device. O. Cover. 1,870,282; Aug. 9.
Oil, Textile. A. M. Binney. 1,871,389; Aug. 16.
Oil, Textile. F. W. Sullivan, jr. 1,871,927; Aug. 16.
Oil thief. F. O. Johnson. 1,839,681; Jan. 5.
Oil thief. O. W. Ingram. 1,867,859; Nov. 15.
Oil, Transformer. B. W. Story. 1,841,070; Jan. 12.
Oil trap and collector. L. C. Lathrop. 1,843,329; Feb. 2.
Oil traps for vacuum pumps and similar articles, Making. E. Bandely. 1,845,216; Feb. 16.
Oil, Treating. L. Kirschbraun. 1,843,684; Feb. 2.
Oil, Treating. R. C. Osterstrom and R. T. Tucker. 1,873,783; Aug. 23.
Oil, Treating. T. F. Ott. 1,847,623; Mar. 1.
Oil, Treating crude. S. P. Coleman. 1,871,811; Sept. 20.
Oil, Treating crude. J. B. Jennings and G. P. Estes. 1,891,987; Dec. 27.
Oil, Treating hydrocarbon. R. E. Manley. 1,892,283; Dec. 27.
Oil, Treating petroleum. C. F. Tears. 1,884,915; Oct. 25.
Oil, Treatment of hydrocarbon. C. P. Dubbs. 1,854,463; Apr. 19.
Oil, Treatment of hydrocarbon. J. A. Shaw. 1,859,262; May 17.
Oil under vacuum, Method of and apparatus for treating. H. C. Eddy. 1,847,602; Mar. 1.
Oil vaporizing apparatus. C. E. Bailey. 1,855,276; Apr. 26.
Oil vapors, Purifying. G. B. Coubrough. 1,864,583; June 28.
Oil well cleaner. E. C. Ekstromer. 1,866,927; July 12.
Oil well control. E. Marler. 1,884,040; Oct. 25.
Oil well device. T. G. Schoolcraft. 1,845,889; Feb. 16.
Oil well drilling. Van Dorn. 1,847,664; Mar. 1.
Oil well drilling apparatus, Rotary. E. J. Le Compte and C. A. Harrisson. 1,891,328; Dec. 20.
Oil well heater. W. M. Moore. 1,864,960; June 28.
Oil well pumping equipment and system. E. C. Ekstromer. 1,882,069; Oct. 11.
Oil well screen. J. P. Whann. 1,878,432; Sept. 20.
Oil well shooting equipment for use on automobiles. O. Bond. 1,874,870; Aug. 30.
Oil well surveying device. G. H. Bowlus. 1,891,401; Dec. 20.
Oil well surveying instrument. W. M. Smith and K. W. Heiser. 1,889,141; Nov. 29.
Oil well testing device. M. O. Johnston. 1,842,270; Jan. 19.
Oil wells, Apparatus for pumping a plurality of. W. A. Gammack and D. G. Knox. 1,843,276; Feb. 2.
Oil wells, Art and apparatus sealing off. C. F. Lyte. 1,852,107; Jan. 19.
Oil wells, Cleaning. E. M. Adams, W. C. Gangloff, and G. G. Spencer. 1,870,320; Aug. 9.
Oil wells, Method of and apparatus for evacuating. L. W. Southgate. 1,856,197; May 3.
Oil wells, Method of and apparatus for treating. W. W. Agnew. 1,859,632; May 24.
Oil wells, pipe lines, and flow lines, Preventing accumulation of solid matter from. M. De Groote. 1,861,177; May 31.
Oil wells, pipe lines, and flow lines, Preventing accumulation of solid matter in. M. De Groote. 1,861,176; May 31.
Oil wells, Preventing corrosion in. J. C. Walker. 1,873,084; Aug. 23.
Oil wells, Prevention of hard scale formation in. J. C. Walker. 1,873,085; Aug. 23.
Oiler. C. Meyer. 1,877,007; Sept. 13.
Oiler, Air line. J. E. Renfer. 1,849,155; Mar. 15.
Oiler, Air line. J. E. Renfer. 1,874,062; Aug. 30.
Oiler, Air line. E. F. Terry. 1,851,602; Mar. 29.
Oiler, Flange. E. L. Karzebein. 1,887,685; Nov. 15.
Oiler for engines. R. Vaught. 1,856,673; May 3.
Oiler, High pressure. E. H. Morrow. 1,863,911; June 21.
Oiler, Motor bearing. W. H. Poesse. 1,843,628; Feb. 2.
Oiler, Pressure. F. I. Jaden. 1,875,008; Aug. 30.
Oiler, Ball joint. H. W. Protzeller. 1,886,736; Nov. 8.
Oiler, Spring. E. E. Cronenweth and C. G. Hamer. 1,889,043; Nov. 29.
Oiler, Spring. G. L. Woodyard. 1,850,368; Mar. 22.
Oiler, Upper cylinder. C. C. Bogardus. 1,885,981; Nov. 1.
Oiler, Valve. J. S. LeFevre. 1,871,623; Aug. 16.
Oiler, Wheel flange. S. E. Bates and E. Overmier. 1,880,672; Oct. 4.

Oiler, Wheel flange. P. H. Hamilton. 1,839,218–19; Jan. 5.
Oiler, Wheel flange. H. G. Warr. 1,839,427; Jan. 5.
Oiler, Wheel flange. H. G. Warr. 1,883,148; Oct. 18.
Oiling device. W. A. Smith, sr. 1,871,429; Aug. 9.
Oiling device for automobiles. A. Copony. 1,849,047; Mar. 8.
Oiling device for electric controllers. R. R. Dunlop. 1,854,121; Apr. 12.
Oiling device, Vertical lined shaft. J. A. Wintroath. 1,844,617; Feb. 9.
Oiling indicator, Automobile. A. W. Heinemann. 1,853,612; Apr. 12.
Oiling mechanism. Driving shoe box. H. G. Becker. 1,868,561; July 26.
Oiling mechanism, Valve tappet. L. H. Morrill. 1,864,314; June 21.
Oiling system. F. C. Blanchard. 1,852,229; Apr. 5.
Oiling system. C. G. Carvelli. 1,874,444; Aug. 30.
Oiling system. H. Radford. 1,891,726; Dec. 20.
Oiling system, Automatic. A. Randolph and E. S. Dawson. 1,869,776; Aug. 2.
Oiling system, Engine. B. H. Anibal. 1,848,986; Mar. 8.
Oiling system, Engine. J. Good. 1,887,262; Nov. 8.
Oiling system for pumps or compressors. J. H. Cordes. 1,849,133; Mar. 15.
Oils and composition therefor, Treating. E. Morrill. 1,886,293; Nov. 1.
Oils and fats, Apparatus for dispensing. P. Huber. 1,892,344; Dec. 27.
Oils and fats, Neutralizing fatty-acids in. R. C. Newton. 1,885,881; Nov. 1.
Oils and fats, Sulphonating. H. Stockhausen, F. Schlotterbeck, C. Cremer and A. Hecking. 1,849,209; Mar. 15.
Oils and hydrocarbon products of low boiling point, Production of viscous. M. Pier. 1,863,670; June 21.
Oils and making the same, Sludge resisting hydrocarbon. J. C. Pope. 1,884,887; Oct. 18.
Oils and making them, Synthetic drying. A. M. Collins. 1,869,668; Aug. 2.
Oils and natural gas, Treatment of crude. H. G. Webster. 1,839,362; Jan. 5.
Oils and other liquids, Measuring the viscosity of lubricating. W. J. Albersheim and H. S. Konbeim. 1,849,090; June 15.
Oils and simultaneously recovering asphalt, Converting. E. W. Beardsley and A. P. Sachs. 1,883,745; Oct. 18.
Oils, Apparatus for cracking hydrocarbon. A. E. Harnsberger and C. L. Smith. 1,889,199; Nov. 29.
Oils, Apparatus for cracking hydrocarbon. L. Kirschbraun. 1,852,340; Apr. 5.
Oils, Apparatus for dehydrating. H. H. Moreton. 1,881,218; Oct. 4.
Oils, Apparatus for distilling. H. H. Moreton. 1,855,685; Apr. 26.
Oils, Apparatus for distilling hydrocarbon. A. E. Harnsberger. 1,878,845; Sept. 20.
Oils, Apparatus for distilling hydrocarbon. F. A. Howard, W. K. Lewis, and H. M. Noel. 1,882,606; Oct. 11.
Oils, Apparatus for reclaiming used and diluted lubricating. J. Ireland. 1,852,350; Apr. 5.
Oils, Apparatus for refining heavy mineral. P. Jodeck. 1,864,911; June 28.
Oils, Apparatus for the fractionation of heavy. E. A. Barbet. 1,872,734; Aug. 23.
Oils at coal distillation plants, Production of clean. S. P. Miller. 1,884,087; Oct. 25.
Oils, Bleaching of. L. S. Taylor. 1,861,513; June 7.
Oils, Burning heavy. W. Osthoff. 1,874,341; Aug. 30.
Oils, Coking heavy. O. F. Campbell and E. C. Herthel. 1,872,883; Aug. 23.
Oils, Coking heavy. W. S. Gullette. 1,872,938; Aug. 23.
Oils, Continuous or intermittent vacuum distillation of mineral. M. Gensecke. 1,852,205; Apr. 5.
Oils, Cold test by pyrolysis of hydrocarbon. F. A. Howard and N. E. Loomis. 1,842,096; Jan. 19.
Oils, Conversion of hydrocarbon. E. W. Beardsley. 1,883,744; Oct. 18.
Oils, Conversion of hydrocarbon. W. R. Howard. 1,892,432; Dec. 27.
Oils, Converting. L. J. Gary. 1,848,876; Mar. 8.
Oils, Converting. A. P. Sachs. 1,842,321; Jan. 19.
Oils, Converting by catalysis mineral and vegetable. F. C. F. Portail. 1,842,197; Jan. 19.
Oils, Converting hydrocarbon. O. Behimer. 1,883,491; Oct. 18.
Oils, Converting hydrocarbon. W. M. Cross. 1,849,479; Mar. 15.
Oils, Converting hydrocarbon. R. T. Pollock. 1,844,480; Feb. 9.
Oils, Cracking. H. A. Fouts. 1,872,722; Aug. 23.
Oils, Cracking hydrocarbon. C. P. Dubbs. 1,850,261; Mar. 22.
Oils, Cracking hydrocarbon. G. Egloff. 1,843,386; Feb. 2.
Oils, Cracking hydrocarbon. G. Egloff. 1,852,961; Apr. 5.
Oils, Cracking hydrocarbon. E. C. Herthel and T. De C. Tifft. 1,859,510; May 24.
Oils, Cracking hydrocarbon. R. C. Osterstrom. 1,860,199; May 24.
Oils, Decolorization of lubricating. T. T. Gray. 1,839,088; Jan. 5.
Oils, Decolorizing and neutralizing. R. C. Pollock. 1,847,442; Mar. 1.
Oils, Dehydrating emulsified. R. C. Pollock. 1,847,413; Mar. 1.
Oils, Dewaxing of petroleum. L. D. Jones. 1,881,643; Oct. 11.
Oils, Distillation and conversion of mineral. E. W. Rembert. 1,892,534; Dec. 27.
Oils, Distillation of hydrocarbon. T. S. Cooke and O. C. Brewster. 1,871,114; Aug. 9.
Oils, Distilling. W. F. Moore. 1,873,454; Aug. 23.
Oils, Distilling. E. J. Shaeffer and E. P. Brown. 1,843,520; Feb. 2.
Oils, Distilling hydrocarbon. W. H. Bahlke. 1,847,858; Mar. 1.
Oils, Distilling hydrocarbon. H. L. Doherty. 1,872,908; Aug. 23.
Oils, Distilling mineral. M. Genscke. 1,851,093; Mar. 29.
Oils, Enhancing the viscosity of technical. M. Ingedorn. 1,882,816; Oct. 18.
Oils, etc., Treating sulphonated. W. Seltzer. 1,876,768; Sept. 13.
Oils, Extracting. J. W. Beckman. Re18,601; Sept. 20.
Oils, Extracting. C. J. Biell. 1,840,149; Jan. 5.
Oils, Extraction of. H. Rosenthal. 1,849,886; Mar. 15.
Oils, Extraction of mineral. S. W. Ferris. 1,874,947; Aug. 30.
Oils for roentgenographic work, Iodized. G. W. Raiziss and Le R. Clemence. 1,870,023; Aug. 2.
Oils from industrial residues, Recovery of. E. V. Pongratz and H. Zorn. 1,890,932; Dec. 6.
Oils from materials containing same, Extraction of. F. Hofmann and C. Wulff. 1,840,287; Jan. 5.
Oils from mixtures thereof with solid substances, Separation of. C. Krauch, M. Pier, and E. Hochschwender. 1,881,691; Oct. 11.
Oils, Heating. J. C. Black. Re18,517; July 12.
Oils, Manufacture of stable highly chlorinated train. A. Thauss, G. Mauthe, and A. Doser. 1,841,990; Jan. 19.
Oils, Manufacture of white. F. A. Howard. 1,851,580; Mar. 29.
Oils, Method and apparatus for treating. J. H. Osmer and F. L. Craise. 1,864,755; June 28.
Oils, Method of and apparatus for distillation of hydrocarbon. J. H. Grahame. 1,870,193; Aug. 2.
Oils, Method of and apparatus for the extraction of vegetable. E. D. Coleman. 1,865,615; July 5.
Oils, method of and reagent for treating wet. J. J. Canfield. 1,858,186; May 10.
Oils, Method of and reagent for treating wet. J. C. Walker. 1,873,165; Aug. 23.
Oils, motor fuel, and the like, Recovering light. C. J. Ransburg. 1,872,805; Aug. 23.
Oils, Neutralizing acid treated. H. H. Cannon. 1,881,044; Oct. 4.
Oils of high boiling point, Recovery of. M. Luther and M. Müller-Cunradi. 1,889,926; Dec. 6.
Oils or motor fuel from hydrocarbon oils by the employment of metallic halides, Low boiling point. R. A. Heloxon, M. L. Chappell, and J. H. Osmer. 1,872,446; Aug. 16.
Oils, Oxidizing. M. L. Chappell and T. H. Dowlen. 1,869,081; June 28.
Oils, Oxidizing asphaltic. T. H. Dowlen. 1,886,380; Nov. 8.
Oils, Polymerizing hydrocarbon. R. C. Osterstrom. 1,891,107; Dec. 13.
Oils, Polymerizing unsaturated hydrocarbon. R. C. Osterstrom. 1,891,106; Dec. 13.
Oils, Preservation of. F. Hofmann and M. Dunkel. 1,856,186; May 3.
Oils, Process and apparatus for conversion of hydrocarbon. R. Cross. 1,892,038; Dec. 27.
Oils, Process and apparatus for conversion of petroleum. W. F. Sims and J. C. Morrell. 1,843,700; Feb. 2.
Oils, Process and apparatus for converting. L. J. Gary. 1,848,875; Mar. 8.
Oils, Process and apparatus for cracking hydrocarbon. R. C. Cook. 1,865,172; June 28.
Oils, Process and apparatus for cracking hydrocarbon. C. W. Dubbs. 1,843,710; Feb. 2.
Oils, Process and apparatus for dehydrating. L. L. Davis. 1,869,008; July 26.
Oils, Process and apparatus for topping and cracking. G. W. Gray. 1,854,836; Apr. 19.
Oils, Producing rosin. I. W. Humphrey. 1,852,244; Apr. 5.
Oils, Production of lubricating. D. A. Howes. 1,877,664; Sept. 13.
Oils, Purifying. J. M. Michel. 1,841,754; Jan. 19.
Oils, Purifying petroleum. B. L. Souther and J. W. Greene. 1,854,866; Apr. 19.
Oils, Reclaiming used lubricating. W. S. Baylis. 1,849,654; Mar. 15.
Oils, Reclamation of crank case or used. L. J. Ireland. 1,851,432; Mar. 29.
Oils, Recovery of light. S. P. Miller and E. H. Ellms. 1,864,749; June 28.
Oils, Refining. J. G. Ford. 1,871,681; Aug. 16.
Oils, Refining hydrocarbon. C. T. Harding. 1,881,534; Oct. 11.
Oils, Refining of hydrocarbon. J. C. Morrell and G. Egloff. 1,868,333; July 19.
Oils, Refining of petroleum. J. C. Morrell. 1,853,920; Apr. 12.

Oils, Refining petroleum. F. W. Heath. 1,888,382; Nov. 22.
Oils, Refining vegetable. L. Rosenstein and W. J. Hund. 1,885,859; Nov. 1.
Oils, Renovation of lubricating. L. D. Grisbaum. 1,848,124; Mar. 8.
Oils, Separating metallic-base reaction products from other derivatives in the treatment of hydrocarbon. A. Kinsel. 1,853,947; Oct. 25.
Oils, Storage of hydrocarbon. R. E. Wilson. 1,859,322; May 24.
Oils, Sweetening hydrocarbon. A. R. Martin, F. J. Kelly, and K. H. Repath. 1,858,635; May 17.
Oils, Treating. F. L. Craise, H. G. Vesper, and H. G. Griffith. 1,891,402; Dec. 20.
Oils, Treating. R. Cross. 1,882,000; Oct. 11.
Oils, Treating. W. H. Shiffler, M. M. Holm, and M. F. Miller. 1,869,781; Aug. 2.
Oils, Treating hydrocarbon. O. Behimer. 1,874,860–61; Aug. 30.
Oils, Treating hydrocarbon. S. H. Diggs, J. M. McGee, and T. S. Cooke. 1,858,394; May 17.
Oils, Treating hydrocarbon. C. P. Dubbs. 1,865,178; June 28.
Oils, Treating hydrocarbon. G. Egloff. 1,843,385; Feb. 2.
Oils, Treating hydrocarbon. G. W. Gray. 1,854,835; Apr. 19.
Oils, Treating hydrocarbon. C. J. Greenstreet. 1,886,093; Nov. 1.
Oils, Treating hydrocarbon. F. W. Hall and V. N. Jenkins. 1,867,566; July 19.
Oils, Treating hydrocarbon. A. E. Harnsberger. 1,887,018; Nov. 8.
Oils, Treating hydrocarbon. A. Lazar. 1,885,524; Nov. 1.
Oils, Treating hydrocarbon. D. D. Stark. 1,856,141; May 3.
Oils, Treating hydrocarbon. C. R. Wagner. 1,853,753; Apr. 12.
Oils, Treating hydrocarbon. C. R. Wagner. 1,873,728; Aug. 23.
Oils, Treating mineral. R. K. Stratford. 1,892,655; Dec. 27.
Oils, Treating petroleum. F. F. Gorman. 1,886,008; Nov. 1.
Oils, Treating process for hydrocarbon. R. Cross. 1,865,315; June 28.
Oils, Treating wet. J. C. Walker. 1,863,143; June 14.
Oils, Treatment of. J. B. Hill. 1,883,374; Oct. 18.
Oils, Treatment of hydrocarbon. S. W. Ferris. 1,874,946; Aug. 30.
Oils, Treatment of hydrocarbon. J. C. Morrell. 1,854,417; Apr. 19.
Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,855,486; Apr. 26.
Oils, Treatment of hydrocarbon. E. F. Nelson. 1,888,048; Nov. 15.
Oils, Treatment of hydrocarbon. J. D. Seguy. 1,884,887; Oct. 25.
Oils, Treatment of hydrocarbon. M. Smith. 1,889,388; Nov. 29.
Oils, Treatment of hydrocarbon. H. C. Weber. 1,887,051; Nov. 8.
Oils with aluminum chloride, Treatment of hydrocarbon. J. H. Osmer. 1,881,901; Oct. 11.
Oils with an activated clay and water, Treatment of lubricating. W. S. Baylis. 1,866,590; July 12.
Oils with phenol, Treating lubricating. R. K. Stratford. 1,860,823; Mar. 31.
Ointments, composition, Medicated. H. C. Fuller. 1,870,107; Aug. 2.
Olefines, Concentrating. V. Voorhees and M. A. Youtz. 1,873,511; Aug. 30.
Olefines from gases containing same, Separating and recovering. G. F. Horsley. 1,875,924; Sept. 6.
Olefines in a mixture containing same, Increasing the concentration of. R. M. Deanesly. 1,866,800; July 12.
Olefines, Polymerization of. F. Hofmann and W. Stegemann. 1,885,060; Oct. 25.
Olives, Treating and packaging ripe or green. A. B. Stewart. 1,852,941; Apr. 5.
Olla. Wm. Wolf. 1,858,757; May 17.
Olla cleaning machine. F. P. Buckleln. 1,879,067; Sept. 27.
Ombre fabric. J. Lipari and J. E. Matthews. 1,874,320; Aug. 30.
1-amino-carbazole. F. Muth and A. Schmelzer. 1,878,168; Sept. 20.
1,4-diaminoanthraquinone. Preparing. S. Gassner and F. Baumann. 1,856,212; May 3.
1, 4 dioxane, Manufacture of. G. H. Reid. 1,879,637; Sept. 27.
1,4,4'-trihydroxy-2,2'-dianthraquinonyl-3,1'-oxide, Manufacture of. R. E. Schmidt, B. Stein, and K. Bamberger. 1,878,987; Sept. 20.
1-halogen-aryl-thiazoles, Manufacture of. W. Hentrich, M. Herdtmann, J. Hilger, and W. Zerweck. 1,878,699; Sept. 20.
One-legged table. W. C. Wetmore. 1,859,320; May 24.
1-(para amino-phenyl)-2-methylamino-propanol-1, Production of. M. Oberlin. 1,892,532; Dec. 27.
1-Phenyl-2-aminoalcohols. (1) Hydroxylated in the phenyl nucleus and preparing them. M. Bockmühl, G. Ehrhart, and L. Stein. 1,877,795; Sept. 20.
1-phenyl-2, 3-dimethyl-5-pyrazolone, Manufacture of. A. Oser and A. Laurent. 1,859,002; May 17.
One piece cutter. L. C. Schillo. 1,856,453; May 3.
1-3 butadiene, Producing. C. J. Leyes. 1,884,002; Oct. 25.
1-(3',4'-dichlor-6'-sulphophenyl)-5-pyrazolones and azo coloring matters derived therefrom. L. W. Geller. 1,856,413; May 3.
Onion lifting apparatus. F. G. Goetz. 1,840,502; Jan. 12.
Opacifiers, Manufacture of. L. Weiss. 1,881,303; Oct. 4.
Opacifying substance for enamels, glasses, and the like. I. Keidl. 1,849,192; Mar. 15.
Open-hearth furnace. M. F. Egler. 1,890,805; Dec. 13.
Open joint mold. R. G. Redmann. 1,862,982; June 14.
Open-mesh woven wire tube. E. E. Kellems. 1,886,026; Nov. 1.
Opener and beverage spoon, Combination bottle. W. T. Walker. Des. 87,764; Sept. 13.
Opener and closer, Automatic door. F. M. Nunez. 1,868,149; July 19.
Opener and closure for paper milk containers, Combined. J. J. Schmerler. 1,865,543; July 5.
Opener and dispensing apparatus, Combination bottle. H. M. Bridgewater. Des. 87,616; Aug. 23.
Opener and handle, Can. C. B. Woodruff. 1,855,812; Apr. 26.
Opener and holder, Fruit jar. T. J. Geisler. 1,887,152; Nov. 8.
Opener and sealer, Can. C. E. Peterson. 1,849,589; Mar. 15.
Opener, Bottle. L. G. Gray. 1,854,299; Apr. 19.
Opener, Bottle. J. L. Teaver. 1,886,604; Nov. 8.
Opener, Bottle. J. L. Winters. 1,883,918; Oct. 18.
Opener, Can. J. H. Brocksmith. 1,889,119; Nov. 29.
Opener, Can. G. W. Bungay. 1,863,531; June 14.
Opener, Can. J. R. Compton. 1,843,806; Feb. 2.
Opener, Can. W. B. Gibson. 1,843,277; Feb. 2.
Opener, Can. D. H. Gustafson. 1,865,413; June 28.
Opener, Can. G. L. Jackson. 1,863,483; June 14.
Opener, Can. A. M. Jones. 1,876,437; Sept. 6.
Opener, Can. A. Johnson. 1,890,731; Dec. 13.
Opener, Can. C. J. Maier. 1,862,972; June 14.
Opener, Can. E. O. H. Poepsel. 1,842,047; Jan. 19.
Opener, Can. A. K. L. Steckmann. 1,859,478; May 24.
Opener, Can. W. M. Thompson. 1,848,033; Mar. 1.
Opener, Can. D. Wilson. 1,870,938; Aug. 9.
Opener, Can. A. Zidovec. 1,852,389; Apr. 5.
Opener, Car door. R. L. Halpin and H. E. Bierd. 1,853,559; Apr. 12.
Opener, Cigarette package. G. D. Huff. 1,886,021; Nov. 1.
Opener, Cigarette package. F. L. West and La V. A. Martin. 1,859,120; May 17.
Opener device, Can. F. W. Ochs. 1,847,780; Mar. 1.
Opener, Door. J. Reed. 1,837,441; Dec. 1.
Opener, Egg. A. P. Barceló. 1,889,912; Dec. 6.
Opener, Egg. W. Dammrich. 1,865,619; July 5.
Opener, Electric can. E. L. McCollom. 1,892,582; Dec. 27.
Opener, Electric door. F. F. Schneider. 1,854,768; Apr. 19.
Opener, Electromechanical bottle. E. Velasquez. 1,883,835; Oct. 18.
Opener, Envelope. F. J. Gargano. 1,871,509; Aug. 16.
Opener, Envelope. T. N. Johnson. 1,864,830; June 28.
Opener for jars and bottles. G. Nathan. 1,877,019; Sept. 13.
Opener for refrigerators, Bottle. J. B. Saunders. 1,880,985; Oct. 4.
Opener, Furrow. B. P. Johnson. 1,873,128; Aug. 23.
Opener, Garage door. J. C. Crawley. 1,862,469; June 7.
Opener, hopper feeder, and like apparatus for opening and cleaning cotton or like fibrous material, Hopper bale. T. Nuttall and S. E. Shorter. 1,856,287; May 3.
Opener, Letter. A. J. Kelser. 1,867,975; July 19.
Opener, Oyster. H. Robinson. 1,857,872; May 10.
Opener, Package. L. M. Hall. 1,891,090; Dec. 13.
Opener, Parachute. T. B. Brown and M. L. Stansell. 1,861,784; June 7.
Opener, Receptacle. N. P. Courtney. Re18,447; May 3.
Opener, Receptacle. P. C. Gibson. 1,862,480; June 7.
Opener, Rotary-cutter can. J. O. Gadd. 1,839,474; Jan. 5.
Opener, Sheet pack. C. F. Peek and C. A. Bail. 1,849,883; Mar. 15.
Opener, Used journal box waste roll. I. M. Conway and H. H. Harold. 1,841,401; Jan. 19.
Opener, Window. L. T. Zachary. 1,855,537; Apr. 26.
Opening and closing device for collapsible tubes. W. V. Roos. 1,865,484; July 5.
Opening and closing device for garage door. J. Sturm. 1,861,784; Mar. 29.
Opening and locking means for loose leaf ring structures. J. Schade. 1,857,287; May 10.
Opening and sealing attachment, Quick. W. T. Johnston. 1,874,540; Aug. 30.
Opening case. J. Well. 1,856,035; Apr. 26.
Opening device for sheet metal cans and boxes. G. L. Ericsson. 1,856,543; May 3.
Opening for containers, Releasably closed. J. E. Thebaud. 1,846,922; Feb. 23.
Openings in scanning disk-multiple cardioid. Arrangements for. R. W. Armstrong. 1,877,547; Sept. 13.
Operating mechanism. H. I. Morris. 1,874,576; Aug. 30.

Operating mechanism. W. A. Ring and I. M. Ladden. 1,873,906; Aug. 23.
Operating mechanism for fire prevention apparatus. J. E. Cohen and J. F. Adams. 1,842,658; Jan. 26.
Operating mechanism for oil switches. J. N. Kelman. 1,867,847; July 19.
Operating mechanism for punches and similar devices. R. H. Helsel and H. L. Pierson. 1,865,755; July 5.
Operating mechanism for rail oilers. H. G. Warr. 1,868,647; July 26.
Operating mechanism for removing pit covers and the like. R. Palm. 1,879,881; Sept. 27.
Operating mechanism for ruling pen gates. A. Broadmeyer. 1,889,726; Nov. 29.
Operation indicator. P. F. Pew. 1,839,993; Jan. 5.
Operator for bi-part slide up doors. R. S. Peelle. 1,872,317; Aug. 16.
Operator for canopy type doors. R. S. Peelle. 1,872,177; Aug. 16.
Operator for counterbalanced elevator doors. R. S. Peelle. 1,864,667; June 28.
Operator for counterbalanced elevator doors. R. S. Peelle. 1,872,175; Aug. 16.
Operator for counterbalanced elevator doors. R. S. Peelle. 1,872,332; Aug. 16.
Operator for elevator gates. H. S. Peelle. 1,872,176; Aug. 16.
Operator for sales machines, Intermittent. J. H. Garis. 1,850,038; Apr. 5.
Operator for sewing machines, Automatic. E. B. Allen. 1,839,854; Jan. 5.
Operator for windows. C. W. Kelly. 1,863,485; June 14.
Ophthalmic frame. W. S. Searles. 1,891,016; Dec. 13.
Ophthalmic instrument. H. Hartinger. 1,877,238; Sept. 13.
Ophthalmic lens. E. D. Tillyer. 1,865,714–15; July 5.
Ophthalmic lens. E. D. Tillyer. 1,866,734; July 12.
Ophthalmic lens. E. D. Tillyer. 1,873,676; Aug. 23.
Ophthalmic mounting. N. M. Baker. Des. 88,616; Dec. 13.
Ophthalmic mounting. N. M. Baker. Des. 88,618; Dec. 13.
Ophthalmic mounting. N. M. Baker. 1,879,780; Sept. 27.
Ophthalmic mounting. E. J. R. Beattey. 1,858,223; May 17.
Ophthalmic mounting. S. E. Bouchard. 1,844,143; Feb. 9.
Ophthalmic mounting. E. L. Schumacher. 1,879,825; Sept. 27.
Ophthalmic mounting. R. H. Simonds. 1,879,827; Sept. 27.
Ophthalmic mounting. E. M. Splaine. 1,865,711; July 5.
Ophthalmic mounting. G. L. Tully. 1,859,757; May 24.
Ophthalmic mounting and attaching same. S. E. Bouchard. 1,878,370; Sept. 20.
Ophthalmic mounting and making same. C. L. Bausch. 1,879,266; Sept. 20.
Ophthalmic mounting and making same. S. E. Bouchard. 1,878,371; Sept. 20.
Ophthalmometers, Attachment for. G. L. Mandaville. 1,869,700; Aug. 2.
Ophthalmotrope. W. L. Hughes. 1,881,602; Oct. 11.
Optic projection. N. Miller. 1,891,942; Dec. 27.
Optical apparatus. J. A. Ball. 1,862,950; June 14.
Optical apparatus. A. S. Cameron. 1,886,939; Nov. 8.
Optical apparatus. C. W. Hansell. 1,889,284; Nov. 29.
Optical bench. M. C. Magarian. 1,849,305; Mar. 15.
Optical bench. W. D. Thomson. 1,846,533; Feb. 23.
Optical device. B. F. Waddell. 1,840,799; Jan. 12.
Optical device for resolving and combining light rays. N. Pesirelo. 1,853,961; May 17.
Optical instrument. E. A. Newman. 1,884,137; Oct. 25.
Optical instrument. H. E. Pine. 1,880,276; Oct. 4.
Optical instrument. W. F. Wrichart. 1,877,439; Sept. 13.
Optical instrument and method of treatment. W. A. Dixey. 1,878,973; Sept. 20.
Optical projection. H. G. Matthews. 1,862,577; June 14.
Optical projection apparatus. J. C. Savage. 1,878,331; Sept. 20.
Optical square. F. Schnabl. 1,869,512; Aug. 2.
Optical system. G. B. Schelbell. 1,847,267; Mar. 1.
Optical system. A. Sonnefeld. 1,865,977; July 5.
Optical system. W. L. Wright. 1,870,664; Aug. 9.
Optical system and method, Achromatic. J. A. Ball. 1,873,258; Aug. 23.
Optical system for color photography. P. Rehländer. 1,872,501; Aug. 16.
Optical system for producing photographs and projecting the same in natural colors. M. Waide. 1,876,806; Sept. 13.
Optical system for projection machines, Adjustable. A. Dina. 1,852,450; Apr. 5.
Optical system for projection of color pictures. J. Mihalyi. 1,878,967; Sept. 20.
Optical systems, Apparatus for microscopic adjusting of. A. A. Blumenfeld. 1,874,231; Aug. 30.
Optical unit and method of projecting images to obtain stereoscopic relief. N. B. Cregier. 1,843,663; Feb. 2.
Orange juice having the desired degree of orange flavor and color, Making pure. W. W. Williston. 1,848,760; Mar. 8.
Orchard duster. T. L. Cairns. 1,880,781; Oct. 4.
Orchard heater. W. C. Scheu. 1,849,207; Mar. 15.
Orchard heater. R. E. Upright and J. H. Gillmor. 1,848,588; Mar. 8.
Orchard heating apparatus. G. A. Huffaker. 1,846,395; Feb. 23.
Order and message hoop. H. D. Bryant and W. H. Speed. 1,866,189; July 5.
Order indicator. M. F. Rose. 1,892,163; Dec. 27.
Ordnance date necessary for firing missiles into the air, Process and apparatus for ascertaining the. E. Bussel. 1,849,611; Mar. 15.
Ore agitator. B. F. Mason. 1,869,488; Aug. 2.
Ore, Apparatus for treatment of. J. F. Tapie. 1,869,830; Aug. 2.
Ore coke, Production of. H. Klencke. 1,864,655; June 28.
Ore concentration. C. H. Keller. 1,855,454; Apr. 26.
Ore, Conversion of metallic. H. Edwards, O. J. Parker and R. Atnot. 1,887,452; Nov. 8.
Ore, Dry concentration of. J. M. Cleaver. 1,846,184; Feb. 23.
Ore fines, flue dust, sulphide or other concentrates, Sintering. T. W. Cavers and G. M. Lee. 1,847,596, Mar. 1.
Ore flotation. L. H. Derby and O. D. Cunningham. 1,873,115; Aug. 23.
Ore flotation. G. H. Ruggles. 1,852,481; Apr. 5.
Ore furnace, Rotary. A. M. Thomsen. 1,862,726; June 14.
Ore reduction, Direct iron. W. E. Trent. 1,891,850; Dec. 20.
Ore, Refining. B. Andrews. 1,841,697; Jan. 19.
Ore roasting furnace. H. O. C. Ingraham. 1,862,751; June 14.
Ore, Separating. A. J. Weinig. 1,869,532; Aug. 2.
Ore separation, Process and apparatus for dry. H. S. Bennett and A. J. Schmiedeskamp. 1,848,151; Mar. 8.
Ore separator. T. W. Cavers. 1,853,246; Apr. 12.
Ore separator. H. J. MacCamy. 1,881,412; Oct. 4.
Ore sintering machine. D. N. Morison. 1,880,146; Sept. 27.
Ore skip and the like. P. A. Robbins. 1,874,711; Aug. 30.
Ore, Treatment of. J. F. Tapie. 1,865,979; July 5.
Ores, Agglomerating and reducing. G. T. Southgate. 1,863,507; June 14.
Ores and minerals by flotation, Separation of. H. A. Lubs, A. L. Fox, and C. V. Smith. 1,853,246; Apr. 12.
Ores and concentrates, Roasting. J. C. Tainton. 1,862,869; June 14.
Ores and obtaining new products thereof, separating the products and the purification of the separated products, Reducing. J. B. Grenagle. 1,887,264; Nov. 8.
Ores, Apparatus for the concentration of. W. J. Asselstine. 1,869,732; Aug. 2.
Ores, Apparatus for treating metallic. E. W. Buskett. 1,887,286; Nov. 8.
Ores by flotation, Concentrating. J. M. F. Leaper. 1,878,154; Sept. 20.
Ores, concentrates and the like, Agglomeration of finely-divided ferruginous. A. Follet and N. Sainderichin. 1,866,203; July 5.
Ores, Concentration of. J. L. Stevens. 1,848,396; Mar. 8.
Ores, Decomposing titanium. J. Brode and G. Käb. 1,891,911; Dec. 27.
Ores, Device for roasting and agglomerating. A. Dawans. 1,841,013; Jan. 12.
Ores, Flotation of. A. H. Ney. 1,847,664; Mar. 1.
Ores, Froth flotation concentration of. W. Trotter. 1,891,991; Mar. 22.
Ores, Froth flotation of. L. J. Christmann and G. B. Walker. 1,852,108; Apr. 5.
Ores having a high sulphur content, Roasting and sintering pulverulent. H. Klencke. 1,861,122; May 31.
Ores in the manufacture of rustless steel, Treating. C. Hart. Re18,609; Sept. 27.
Ores, metallurgical products, residues, and the like, for the recovery of platinum metals, Treatment of. A. R. Powell and E. C. Deering. 1,841,207; Jan. 12.
Ores, Method and agent for recovery of oxidized. S. A. Falconer and L. J. Christmann. 1,858,007; May 10.
Ores, minerals and the like, Concentration of. J. L. Stevens. 1,847,367; Mar. 1.
Ores of zinc, Treating sulphide. N. C. Christensen. 1,886,162; Nov. 1.
Ores or materials containing copper and/or nickel, Treatment of. E. A. Ashcroft. 1,851,885; Mar. 29.
Ores or smelter products, Dezincing of. E. J. Kohlmeyer. 1,842,326; Jan. 19.
Ores, particularly copper sulphide ores, Smelting of metallic. A. G. McGregor. 1,877,928; Sept. 20.
Ores, Process of and apparatus for treating metallic. E. W. Buskett. 1,885,612; Nov. 1.
Ores, Reducing oxide. L., F. C., and F. E. Kern. 1,858,274; May 17.
Ores, Selective separation of. L. J. O'Malley. 1,891,776; Dec. 20.
Ores, Smelting finely divided sulphide. H. Freeman. 1,888,164; Nov. 15.
Ores, Treating. F. M. Simonds. 1,874,370; Aug. 30.
Ores, Treatment of. J. E. Little, F. O. Kichline, and A. Ebrgott. 1,860,811; May 31.
Ores, Treatment of finely divided sulphide. N. E. Lenander. 1,862,899; June 14.
Ores, Treatment of oxidized. N. C. Christensen. 1,886,163; Nov. 1.
Ores, Treatment of precious metal bearing. S. J. Swainson and A. E. Anderson. 1,864,222; June 21.

Ores, Treatment of sulphide. N. E. Lenander. 1,860,585; May 31.
Ores, Working up of chromium. E. Hackhofer. 1,866,648; July 12.
Organ coupler. C. E. Grant. 1,875,284; Aug. 30.
Organ, Multiple vacuum action pipe. E. D. Ponder. 1,843,403; Feb. 2.
Organic bases, Preparing. O. Nicodemus. 1,882,518; Oct. 11.
Organic compounds containing oxygen from carbon monoxide and halogenated nonaromatic hydrocarbons, Production of. H. Hopff and M. Dunkel. 1,891,930; Dec. 27.
Organic compounds, Catalytic oxidation of. M. Luther and H. Klein. 1,872,774; Aug. 23.
Organic compounds, Manufacturing. C. Krauch and K. Hochschwender, and W. Schunck. 1,889,251; Nov. 29.
Organic compounds of the anthraquinone series, Preparation of. P. H. Groggins. 1,892,302; Dec. 27.
Organic compounds, Oxidizing. H. Klein. 1,876,059; Sept. 6.
Organic compounds, Polymerization of unsaturated. O. Ambros, H. Reindel, J. E. Elsele, and J. Stoehrel. 1,891,203; Dec. 13.
Organic compounds, Producing oxygenated. R. L. Brown and W. W. Odell. 1,873,588; Aug. 23.
Organic compounds, Producing oxygenated. M. Pier, R. Wietzel, and K. Winkler. 1,841,910; Jan. 19.
Organic intermediates, Making. E. Clemmensen. 1,875,916; Sept. 6.
Organic material, Electrodeposition of. S. E. Sheppard and C. L. Beal. 1,855,809; Apr. 26.
Organic material, Granular. O. v. d. Luft and C. J. Schoch. 1,891,891; Dec. 20.
Organic products from meat pickle brine, Production of. E. Scheitlin. 1,840,134; Jan. 5.
Organic substances, Purifying. W. O. Herrmann and E. Baum. 1,864,541; June 28.
Organisms from organic or inorganic substances, Extracting. F. H. Beniamin. 1,884,989; Oct. 25.
Organo-iron compounds and preparing same, Complex inner. W. Hentrich and L. Zeh. 1,878,137; Sept. 20.
Organs, Action for pipe. E. G. Grant. 1,891,409; Dec. 20.
Organs, Direct electric action for pipe. R. R. Warren. 1,887,076; Nov. 8.
Orientation correction to telegraph distributors, Indicating and applying. A. F. Connery. 1,868,695; July 26.
Ornament. H. G. Bell. 1,864,792; June 28.
Ornament. M. E. Biber. 1,864,523; June 28.
Ornament. J. F. Brown. 1,851,806; Mar. 29.
Ornament. J. Frei, jr. 1,853,305; Apr. 12.
Ornament. H. Ghesel. 1,879,799; Sept. 27.
Ornament. J. A. Lacing. 1,861,604; June 7.
Ornament, Automobile radiator. P. Haller. Des. 86,227; Feb. 9.
Ornament, Automobile radiator. C. L. Hawes. 1,846,595; Feb. 23.
Ornament, Automobile radiator cap. J. V. Kohlhepp. Des. 88,096; Oct. 25.
Ornament, Christmas. C. H. Miller. 1,878,794; Sept. 20.
Ornament, Desk. C. A. Lewis. Des. 87,161; June 14.
Ornament for automobiles, Illuminated. L. Daugherty. 1,876,625; Sept. 13.
Ornament for radiator cap or the like. I. Florman. Des. 87,870; Oct. 4.
Ornament of flexible material, Convoluted. V. T. Hoedlich. 1,862,340; June 7.
Ornament or similar article, Automobile radiator. L. Lowery. Des. 87,225; June 21.
Ornament or similar article, Cake. W. F. Seidel. Des. 87,243; June 21.
Ornament or similar article of manufacture, Emblematical. E. L. White. Des. 86,292; Feb. 16.
Ornament or similar article, Shoe. W. L. Gibbons. Des. 87,053; May 31.
Ornament, Radiator. G. A. Johnson. Des. 86,721; Apr. 12.
Ornament, Radiator. R. Loewy. Des. 85,945; Jan. 5.
Ornament, Radiator. L. J. Smith. Des. 88,676; Dec. 13.
Ornament, Radiator. F. C. Ruppel. Des. 87,414; July 19.
Ornament, Radiator. C. Worms. 1,863,179; June 14.
Ornament, Radiator cap. C. Jardine. Des. 86,235-6; Feb. 16.
Ornament, Radiator cap. C. Jardine. Des. 86,525; Mar. 15.
Ornament, Shoe. L. M. Leverone. Des. 87,534; Aug. 9.
Ornament, Vehicle. S. Faith. Des. 88,639; Dec. 13.
Ornament, Vehicle radiator. J. J. Punke. Des. 85,958; Jan. 5.
Ornament, Wall. M. Javick. Des. 87,157; June 14.
Ornamental designs, Apparatus for producing. A. Frurwirth. 1,843,551; Feb. 2.
Ornamental fountain. R. W. Miller. 1,847,129; Mar. 1.
Ornamental object. W. Favreau. 1,881,424; Oct. 11.
Ornamental objects. E. E. Wilson and N. J. Resetar. 1,883,214; Oct. 18.
Ornamental plates, Affixing. J. B. Curtis. 1,839,653; Jan. 5.
Ornamental product and producing same. R. V. Mattison. 1,881,803; Oct. 11.
Ornamental product and producing the same. A. L. Howard. 1,879,259; Sept. 27.
Ornamental stand. P. J. King. 1,872,970; Aug. 23.
Ornamentation of hard surface covering materials. J. C. McCarthy. 1,872,909–1,873,000; Aug. 23.
Ornamentation of stainless iron, Two tone. F. C. Schludecker. 1,867,767; July 19.
Ornamentation of surface coverings. S. H. Hartman and C. F. Humphreys. 1,854,933; Apr. 19.
Ornamentation, Surface. J. C. McCarthy. 1,855,749; Apr. 26.
Ornamenting die. A. W. Altvater. 1,885,169; Nov. 1.
Ornamenting die. A. W. Altvater. 1,888,024; Nov. 15.
Ornamenting ring for wheel rims. G. A. Lyon. 1,891,192; Dec. 13.
Ornaments of flexible material, Making convoluted. V. T. Hoedlich. 1,888,198; Nov. 15.
Ornaments to strap ends, Device for detachably securing interchangeable. W. E. Field. 1,890,320; Dec. 6.
Ornaments to wearing apparel, Securing. W. L. Myers. 1,865,580; June 21.
Ornithopter. C. W. Strobell. 1,884,909; Oct. 25.
Ortho-amino-halogen-anthraquinones, Production of. R. J. Loveluck, E. G. Beckett, and J. Thomas. 1,858,334; May 17.
Ortho-chlor-para-nitraniline, Preparation of. E. F. Grether and J. L. Keenan, jr. 1,882,811; Oct. 18.
Orthodontic appliance. E. H. Angle. 1,890,487; Dec. 13.
Orthodontic appliance. S. R. Atkinson. 1,869,733; Aug. 2.
Ortho'-ortho'-dicarboxyl-diphenyl-diamino anthraquinones, Preparing. W. L. Rintelman and R. J. Goodrich. 1,841,674; Jan. 19.
Orthopedic device. H. E. Dettelbach. 1,856,377; May 3.
Orthopedic supporter. M. Cao. 1,862,467; June 7.
Ortho-phenyl phenol, Flake. W. H. Williams. 1,847,583, Mar. 1.
Oscillating joint. R. K. Lee. 1,856,646; May 3.
Oscillating joint. E. F. Rossman. 1,871,861; Aug. 16.
Oscillating joint. E. F. Rossman. 1,871,918; Aug. 16.
Oscillation device. L. J. Lesh. 1,885,118; Nov. 1.
Oscillation generation apparatus. H. Reifel. 1,880,105; Sept. 27.
Oscillation generator. J. P. E. Achard. 1,882,684; Oct. 18.
Oscillation generator. W. E. Bower. 1,849,271; Mar. 15.
Oscillation generator. A. W. Hull. 1,857,194; May 10.
Oscillation generator. W. A. Marrison. 1,841,489; Jan. 19.
Oscillation generator. W. A. Marrison. 1,847,124; Mar. 1.
Oscillation generator. F. J. Moles. 1,851,721; Mar. 29.
Oscillation generator. K. Okabe. 1,860,114; May 24.
Oscillation generator. H. Osnos. 1,867,237; July 12.
Oscillation generator. C. F. P. Rose. 1,869,171; July 26.
Oscillation generator. J. C. Schelleng. 1,885,632; Nov. 1.
Oscillation generator. C. G. Suits. 1,877,703; Sept. 13.
Oscillation generator, Electrical. A. M. Nicolson. 1,864,368; June 21.
Oscillation system. R. E. Coram. 1,850,580; Mar. 22.
Oscillation system. F. Gerth. 1,881,472; Oct. 11.
Oscillation system. E. F. Rossman. 1,871,632; Aug. 16.
Oscillations from piezo electric crystals, Production of. A. McL. Nicolson. 1,866,267; July 5.
Oscillations, Method and apparatus for generating electrical. A. Hund. 1,886,815; Nov. 8.
Oscillations, System for producing high frequency. E. F. W. Alexanderson. 1,873,687; July 5.
Oscillator. L. J. Buttolph. 1,861,561; June 7.
Oscillator and modulator system, Combined. J. A. Willoughby. 1,884,940; Oct. 25.
Oscillator, Crystal controlled. R. A. Heising. 1,840,580; Jan. 12.
Oscillator, Grinder wheel. S. Einstein. 1,849,868; Mar. 15.
Oscillator, Modulated. F. J. Meade. 1,860,897; May 31.
Oscillator, Piezo electric. A. Meissner. 1,875,087; Aug. 30.
Oscillatory member for loudspeakers, microphones, or the like. H. Filipps. 1,876,343; Sept. 6.
Oscillograph. H. C. Hayes. 1,860,740; May 31.
Oscillograph. J. W. Legg. 1,871,379; Aug. 9.
Oscillograph. E. Rieckmann. 1,867,176; July 12.
Oscillograph, Automatic. C. M. Hathaway. 1,883,907; Oct. 25.
Oscillograph, Cathode ray. C. T. Ulrey. 1,870,975; Aug. 9.
Outboard motor. O. S. Heide. 1,857,636; May 10.
Outboard motor. W. W. Peck. 1,845,089; Jan. 26.
Outboard motor, Folding. F. T. Irgens. 1,854,196; Apr. 19.
Outer member of a covered joint hinge. J. T. Atwood. Des. 87,865; Oct. 4.
Outlet box. H. S. Arnold. 1,883,457; Oct. 18.
Outlet box. E. A. Bohlman and H. Brachtl. 1,888,343; Nov. 22.
Outlet box. H. D'Olier, jr. 1,883,621; Oct. 18.
Outlet box. J. A. Morrell. 1,875,101; Aug. 30.
Outlet box, Electric conduit sectional. H. K. and G. O. Meeks. 1,857,787; May 10.
Outlet, Convenience. H. E. Radack. 1,884,219; Oct. 25.
Outlining device. S. M. Watson. 1,886,768; Nov. 8.
Oven. W. F. Drew. 1,891,802; Dec. 20.
Oven. T. A. Hill. 1,851,182–3; Mar. 29.
Oven. H. Kuckel. 1,869,899; Aug. 2.
Oven. H. P. Maurel. 1,851,757; Mar. 8.
Oven. P. Ritthaler. 1,855,561; Apr. 26.
Oven. J. L. Shroyer. 1,871,393; Aug. 9.

Oven and broiler, Combined fumeless and ventilated. O. C. Goehring. 1,857,408; Nov. 8.
Oven and broiler rack, Slidable. C. W. Greenwald. 1,872,733; Aug. 23.
Oven and heat control therefor, Combined gas. J. M. Hisselle. 1,883,949; Oct. 25.
Oven and operating the same, Regenerative coke. H. E. Mitchell. 1,878,972; Sept. 20.
Oven and the like, Baker's. E. Procter. 1,861,719; June 7.
Oven apparatus, Coke. J. A. B. Lovett. 1,862,028; June 7.
Oven apparatus, Coke. F. Puening. 1,842,199; Jan. 19.
Oven apparatus, Coke. J. van Ackeren. 1,873,078; Aug. 23.
Oven, Bake. H. A. Bodge. 1,845,578; Feb. 16.
Oven, Bake. R. Bolting. 1,876,843; Sept. 13.
Oven, Bake. F. A. Hoppe. 1,878,703; Sept. 20.
Oven, Bake. F. A. Hoppe. 1,890,681; Dec. 13.
Oven, Bake. E. H. Otto. 1,859,217; May 17.
Oven, Bake's. E. Campbell. 1,889,141; Nov. 29.
Oven, Baker's. O. Wundrack. 1,882,107; Oct. 11.
Oven, Baking. L. Bobbiu, A. Simon, and N. Benderson. 1,863,432; June 14.
Oven, Baking. L. D. Houlis. 1,841,813; Jan. 19.
Oven, Baking. H. T. Hunter. 1,854,034; Apr. 12.
Oven, Baking. C. I. Ipsen and R. M. Cherry. 1,878,522; Sept. 20.
Oven, Baking. J. E. Pointon. 1,858,937; May 17.
Oven, Baking. E. Rollman. 1,856,503; May 17.
Oven, By-product coke. P. M. Pinckard. 1,888,012; Nov. 15.
Oven-circulating air type. A. E. Grapp. 1,868,824; July 26.
Oven, Coke. K. Kuffelmann. 1,855,186; Apr. 26.
Oven, Coke. G. Otto. 1,888,526; Nov. 22.
Oven, Coké. F. Totzek. 1,856,501; May 3.
Oven, Coke. F. Totzek. 1,887,222; Nov. 8.
Oven, Coking retort. J. Becker. 1,865,161; June 28.
Oven, Coking retort. J. van Ackeren. 1,872,532; Aug. 16.
Oven, Coking retort. J. van Ackeren. 1,872,612; Aug. 16.
Oven, Coking retort. J. van Ackeren. 1,873,077; Aug. 23.
Oven, Coking retort. J. Van Ackeren. 1,876,108; Sept. 6.
Oven, Combination. L. F. Schrader and W. H. Wright. 1,857,788; May 10.
Oven, Cooking gas. L. C. Hamlink. 1,881,528; Oct. 11.
Oven ejector. Bake. M. Olson. 1,864,462; June 21.
Oven, Electric. F. J. Cook and W. V. Kelly. 1,860,822; Oct. 4.
Oven, Electric. J. L. Shroyer. 1,841,158; Jan. 12.
Oven, Electric cooking. A. S. Knapp. Des. 88,156; Nov. 1.
Oven for baking bread and other articles of food, Gas fired revolving. J. H. Reese. 1,878,178; Feb. 9.
Oven for electric and gas ranges. W. D. Antrim. 1,855,123; Apr. 19.
Oven for the production of gas and coke, Chamber. F. Totzek. 1,882,553; Oct. 11.
Oven for treatment of fuel by heat. O. Hellmann. 1,845,161; Apr. 12.
Oven, furnace, or like structure. L. W. Wild. 1,841,655; Jan. 19.
Oven heat regulator. O. J. Leins and H. C. Rawlings. 1,878,937; Sept. 20.
Oven, Heat treating. C. A. Herbst. 1,891,981; Dec. 27.
Oven implement. M. D. Judah. 1,866,039; July 5.
Oven, Intermittent vertical coking retort. J. van Ackeren. 1,872,531; Aug. 16.
Oven, Portable. F. E. Chapper. 1,849,450; Mar. 15.
Oven, Regenerative coke. C. Otto. 1,858,229; May 10.
Oven, Regenerative coke. C. Otto. 1,887,214; Nov. 8.
Oven, Regenerative coke. J. Schaefer. 1,868,223; July 19.
Oven regulator. J. H. Grayson. 1,862,183; June 7.
Oven, Rotary annular sole. F. Bartling. 1,885,673; Nov. 1.
Oven, Spiral rotary. K. B. Fiske. 1,844,150; Feb. 9.
Oven, Tunnel. J. Daniels. 1,866,547; July 12.
Oven, Vertical coking retort. J. van Ackeren. 1,846,410; Feb. 23.
Oven, Vertical coking retort. J. van Ackeren. 1,873,075; Aug. 23.
Ovens and operating same, Vertical coking retort. J. van Ackeren. 1,873,074; Aug. 23.
Ovens, Charging coke. R. M. Folsom. 1,886,948; Nov. 8.
Ovens, Feeding mechanism for bake. E. Horn and O. Florian. 1,843,282; Feb. 2.
Ovens, Heating coke. C. Wessel. 1,891,700; Dec. 20.
Ovens, Method of and apparatus for heating. W. W. Kemp. 1,852,526; Apr. 5.
Overall loop. C. A. Mosgrove. 1,890,692; Dec. 13.
Overalls. H. C. Jackson. 1,888,086; Nov. 15.
Overalls. J. E. Johnson. 1,854,262; Apr. 19.
Overalls, Waterproof. M. Reingold. 1,844,821; Feb. 9.
Overflow control, Automatic. F. O. Johnson. 1,877,405; Sept. 13.
Overflow indicator. H. W. Smith. 1,839,809; Jan. 5.
Overflow lip for sedimentation apparatus, Adjustable. J. A. Baker. 1,870,435; Aug. 9.
Overhead carrier. A. H. Neller. 1,889,610; Nov. 29.
Overload release. A. Ellersgard. 1,862,888; June 14.
Overload release, Mechanical. G. M. Peltz and C. A. Jackson. 1,853,835; Apr. 12.
Overshoe. F. Könecke. 1,877,182; Sept. 13.
Overshoe. S. Rosenfeld. 1,843,406; Feb. 2.
Overshoe, Football. H. C. Ice and E. O. Miller. 1,850,752; Mar. 22.
Overshoe for use in sports. E. C. Byrne and A. J. Klingel. 1,841,710; Jan. 19.
Overshoe, Wading. I. Teshima. 1,877,080; Sept. 13.
Overshoe. B. J. Clouse. 1,860,016; May 24.
Oxidation products and making same, Intermediate partial. J. H. James. Re18,522; July 12.
Oxidation products, Making partial. J. H. James. 1,858,095; May 10.
Oxidation products, Making partial. J. H. James. 1,859,587; May 24.
Oxide cathode. F. Schröter. 1,849,594; Mar. 15.
Oxide cathodes, Manufacturing. E. Wiegand. 1,883,840; Oct. 18.
Oxide coatings and preparing the same. H. J. Miller and F. J. Cahn. 1,874,785; Aug. 30.
Oxide coatings from metals, Removing. H. S. George. 1,859,734; May 24.
Oxide, Di-diphenyl. R. F. Marchner and W. C. Stoesser. 1,882,368; Oct. 11.
Oxide, Purified metallic. B. T. Horsfield. 1,871,793; Aug. 16.
Oxides of the fourth group metals, Producing. M. Mayer. 1,853,934; Nov. 1.
Oxides, Hydrolyzing olefine. M. A. Youtz. 1,875,312; Aug. 30.
Oxides, Producing antimony. J. J. Listrat. 1,873,774; Aug. 23.
Oxides, Treatment of metallic. B. T. Horsfield. 1,871,792; Aug. 16.
Oxygen for ventilation or other purposes, Apparatus or device for supplying artificially ionized. F. E. Hartman. 1,839,876; Jan. 5.
Oxygen in the production of cement and iron, Utilizing free. C. B. Hillhouse. 1,842,609; Jan. 26.
Oxygen in treatment of metals, Apparatus for utilizing. L. Campbell, Jr. 1,850,379; Mar. 22.
Oxygen, nitrogen, and argon from air, Separation of. F. Pollitzer and S. Strark. 1,890,981; Oct. 4.
Oxygen regulator, Pretreated secondary. N. Hennessy. 1,884,677; Oct. 25.
Oxygen therapy apparatus. F. W. Koehler. 1,858,400; May 17.
Oxygen to blowpipes, Controlling the supply of. F. S. Austin. 1,853,329; Apr. 12.
Ozone and the like, Apparatus for the supply of. F. Ferguson. 1,842,090; Jan. 19.
Ozone generator. D. W. Davis. 1,864,174; June 21.
Ozone machine. A. P. Haase. 1,841,439; Jan. 19.
Ozonizer. A. W. Conley. 1,874,455; Aug. 30.
Ozonizer. A. W. Conley. 1,891,916; Dec. 27.
Ozonizer. A. E. Evans. 1,856,544; May 3.
Ozonizer. A. E. Evans. 1,870,616; Aug. 9.
Ozonizer. P. F. J. Lebrun. 1,845,670; Feb. 16.
Pack bag. C. T. Bartlett. 1,839,862; Jan. 5.
Pack, Film. H. C. Rich and B. V. Störr. 1,886,589; Nov. 8.
Pack for fragile articles. E. L. Shepard. Des. 86,061–2, Jan. 19.
Pack for fragile articles. E. L. Shepard. Des. 86,483; Mar. 8.
Pack of playing cards. A. G. Thomas. Des. 87,693; Aug. 30.
Pack opening machine. D. Buccicone. 1,868,624; July 26.
Pack strap. I. Stahler. 1,847,501; Mar. 1.
Package. O. Janssen. 1,870,912; Aug. 9.
Package. G. H. Palmer. 1,846,748; Feb. 23.
Package. A. W. Stedman. 1,842,299; Jan. 19.
Package. H. B. Wallace. 1,840,757; Jan. 12.
Package and container. D. H. Killefer. 1,883,938; Oct. 25.
Package and generator for fumigant materials. H. W. Houghton. 1,856,062; Apr. 26.
Package and making the same. R. A. Butler and A. T. Matthews. 1,870,399; Aug. 9.
Package and making the same. C. W. Leguillon. 1,870,519; Aug. 9.
Package and match container. Combined. J. A. Sigg. 1,851,380; Oct. 4.
Package and method for the shipment of metal pieces. A. H. Moon. 1,873,780; Aug. 23.
Package and method, Refrigerated. H. S. Mellvain. 1,887,038; Jan. 26.
Package and method, Transportation and display. D. W. Drummond. 1,890,771; Dec. 13.
Package and sealing, Sealed. G. W. Mullen. 1,863,025; June 14.
Package, Article dispensing. N. C. Butler. 1,865,232; June 28.
Package assembling machine A. Podel. 1,866,369; July 5.
Package box. H. E. Katzenmoyer. 1,859,095; May 17.
Package, Combination. R. L. Harden. 1,890,988; Dec. 13.
Package, Commercial. T. W. Ross. 1,882,946; Oct. 18.
Package, Commodity. A. A. Morse. 1,848,834; Mar 8.
Package, Consumer. C. Birdseye. 1,852,228; Apr. 5.
Package conveying apparatus. S. B. Mott. 1,860,718; May 31.
Package filling machine. W. E. Benson. 1,867,998; July 19.

Package, Flat sheet dispensing. J. C. Wilson. 1,885,501; Nov. 1.
Package, Folding. O. P. Wilson. 1,869,291; July 26.
Package, Folding. O. P. Wilson and N. B. Rooks. 1,869,292; July 26.
Package for birthday cake candle holders, Shipping and display. A. Krieg. 1,887,270; Nov. 8.
Package for cigarettes and like articles. W. E. Molins. 1,864,925; June 28.
Package for displaying and dispensing merchandise. J. C. Ewald. 1,840,439; Jan. 12.
Package for displaying merchandise. L. J. Russell. 1,866,323; July 5.
Package for fragile articles. W. J. De Reamer. 1,843,543; Feb. 2.
Package for incandescent lamps and similar articles. C. T. Fuller. 1,888,855; Nov. 22.
Package for perishable objects, Shipping. R. J. Breton. 1,886,374; Nov. 8.
Package for safety razor blades. P. H. Unsinger. 1,855,159; Apr. 19.
Package for shipping. J. J. Holub. 1,847,110; Mar. 1.
Package for tape. J. P. Bujnicki. 1,851,601; Mar. 29.
Package handling and binding apparatus. V. Tenuta. 1,859,375; May 24.
Package, Hermetically sealed. H. E. Townsend. 1,864,955; Oct. 4.
Package, Merchandising. J. R. Dennis. 1,862,335; June 7.
Package mouthpiece, Removable. W. J. Thompson. 1,868,930; July 26.
Package, Novelty. C. L. Gilbert. 1,860,710; May 31.
Package of facials. E. A. McCormick. 1,891,679; Dec. 20.
Package of tape and sewing thread. A. B. Collingbourne. Dec. 20.
Package, Original. N. Ottinger. 1,877,955; Sept. 20.
Package picker. J. T. Beechlyn. 1,858,572; May 17.
Package, Sealed. C. Hoffman. 1,881,529; Oct. 11.
Package, Sealed. A. Podel. 1,858,864; May 17.
Package, Sealed. A. Podel. 1,869,167; July 26.
Package sealing machine. H. J. Melville and R. L. Wilson. 1,874,568; Aug. 30.
Package, Shipping. H. K. Moore. 1,849,330; Mar. 15.
Package, Sterilized. C. T. Brueger. 1,871,388; Aug. 9.
Packages, Apparatus for producing liquid. E. E. Henderson. 1,862,821; June 14.
Packages, Construction of cylindrical. W. Veit. 1,864,779; June 28.
Packages, Mechanism for stacking. C. F. Wright. 1,858,846; Dec. 20.
Packages of hosiery or the like, Apparatus for dispensing. F. Brown. 1,852,733; Apr. 5.
Packages, Wrapping. L. Benoit and E. J. Kanabay. 1,889,534; Nov. 29.
Packaging. W. E. Parsons and E. H. Boody. 1,871,805; Aug. 16.
Packaging. S. Prince. 1,840,053; Jan. 5.
Packaging device. O. N. Whitehead. 1,889,966; Dec. 6.
Packaging machine. R. N. Doble. 1,857,625; May 10.
Packaging machine. H. S. Lombardo. 1,867,538; July 12.
Packaging machine. H. Mullendore. 1,881,859; Oct. 11.
Packaging machine. E. Van der Pyl, W. and R. H. Stimpson. 1,857,680; May 10.
Packaging, Method of and apparatus for. E. Mallinckrodt, Jr. 1,881,762; Oct. 11.
Packaging, Method of and apparatus for. E. Mallinckrodt, jr., and H. V. Farr. 1,881,783; Oct. 11.
Packer and setting tool. W. L. Church and J. D. Nixon. 1,845,238; Feb. 16.
Packer, Barrel. P. Nacher. 1,846,896; Feb. 23.
Packer, Can. H. L. Quenher. 1,884,666; Oct. 25.
Packer for casing heads. L. F. Bansh, E. Burns, and G. B. Garrard. 1,845,219; Feb. 16.
Packer for casing heads. L. F. Bansh, E. Burns, and G. B. Garrard. 1,872,219; Aug. 16.
Packer for oil wells. G. Meyer. 1,859,744; May 24.
Packer, Fruit. W. D. Wright. 1,887,588; Nov. 8.
Packer, Hydraulic or air expanded. J. C. Thomas. 1,850,218; Mar. 22.
Packer, Oil well. W. R. Gulberson. 1,842,780; Jan. 26.
Packer, Pressure flood. P. H. Mack. 1,860,467; May 31.
Packet forming machine. A. F. Files. 1,840,440; Jan. 12.
Packet making machine. W. E. Molins. 1,890,652; Dec. 13.
Packing. G. D. Becker. 1,858,815; May 17.
Packing. H. B. Cheshire. 1,891,798; Dec. 20.
Packing. W. T. Dean. 1,857,045; May 3.
Packing. A. C. Fischer. 1,881,439; Oct. 11.
Packing. C. R. Hubbard. 1,847,210; Mar. 1.
Packing. H. D. Jones. 1,859,039; May 17.
Packing. A. G. M. Michell. 1,891,436; Dec. 20.
Packing. A. W. Morton. 1,871,820; Aug. 16.
Packing and composition. F. E. De Vries. 1,866,757–8; July 12.
Packing and container, Blade. H. J. Gaisman. 1,851,043; Mar. 29.
Packing and expansion ring, Combined. F. A. Eichorn. 1,885,696; Nov. 1.
Packing and forming the same. C. Mastin and C. M. Roe. 1,854,708; Apr. 19.
Packing and forming the same. C. D. McPherson. 1,880,287; Nov. 29.
Packing and making same. F. Bortone. 1,860,649; May 31.
Packing and making the same. C. R. Hubbard and R. Pullman. 1,840,449; Jan. 12.
Packing and process. H. S. Walker. 1,889,165; Nov. 29.
Packing and process of manufacture. H. S. Walker. 1,886,993; Nov. 8.
Packing apparatus. D. W. Wadsworth. 1,847,201; Mar. 1.
Packing, Apparatus for the manufacture of tubular. C. F. Field and Z. E. Fick. 1,872,266; Aug. 16.
Packing assembly and packing ring, Pump. J. H. McEvoy. 1,867,320; July 12.
Packing, Bi-metal. H. J. Lamb. 1,857,961; May 10.
Packing box. J. T. Baker. 1,839,860; Jan. 5.
Packing box. F. A. Cornell. 1,847,598; Mar. 1.
Packing box, Wire bound. L. H. Baughman. 1,880,396; Oct. 4.
Packing case. C. R. Franklin and E. Goldsworthy. 1,870,676; Aug. 9.
Packing case. E. S. Gomes. 1,852,113; Apr. 5.
Packing case, Collapsible. I. Dukes and B. M. Zieve. 1,843,547; Feb. 2.
Packing case head. A. G. Heggem. 1,881,556; Oct. 11.
Packing collar. J. W. McIlwraith, D. I. McKenzie, and C. Palmer. 1,845,169; Feb. 16.
Packing construction. J. A. Schellack and C. J. Maynard. 1,877,696; Sept. 13.
Packing construction and seal tube. A. F. Daddysman. 1,849,912; Mar. 15.
Packing, Corrugated tubular. H. M. Crowther. 1,851,976; Apr. 5.
Packing device. W. S. Gattrell. 1,853,855; Apr. 12.
Packing device. J. Hofmann. 1,854,260; Apr. 19.
Packing device. F. W. Kennedy. 1,860,860; May 31.
Packing device. E. W. Mayers. 1,861,502; June 7.
Packing device. R. E. Pelterie. 1,868,199; July 19.
Packing device for use in casing heads or the like. C. J. Fehn. 1,872,182; Aug. 16.
Packing device, Fruit basket. H. B. Sutter and K. G. Haseltine. 1,868,590; July 26.
Packing, Diaphragm. A. J. Shively. 1,850,571; Mar. 22.
Packing element. John J. Carroll. 1,840,156; Jan. 5.
Packing extractor. E. F. Webb. 1,858,176; May 10.
Packing for doorcheck plungers. S. W. C. Fitts. 1,891,528; Dec. 20.
Packing for fluid pressure motors. L. F. Meunier. 1,871,893; Aug. 16.
Packing for internal combustion engines, Piston. L. C. Marshall. 1,877,413; Sept. 13.
Packing for joints. N. Hubbard. 1,892,618; Dec. 27.
Packing for plungers, Expansible. E. E. Miller. 1,882,156; Oct. 11.
Packing for reciprocating or rotating members, Metallic. J. Mellor. 1,842,942; Jan. 26.
Packing for rotating shafts. B. Bischof. 1,851,032; Mar. 29.
Packing for rotating shafts. C. J. Winkler. 1,859,012; May 17.
Packing for steam turbines and the like. C. W. Dake. 1,880,846; Oct. 4.
Packing for the rotary valves of internal combustion engines. A. Baer. 1,844,344; Jan. 12.
Packing for the stuffing-boxes and covers or lids of apparatus and machines subjected to a high gas-pressure. W. Baensch. 1,887,006; Nov. 8.
Packing, Forming. C. H. Field. 1,888,116; Nov. 15.
Packing, Frictional. H. J. Upton. 1,883,160; Oct. 18.
Packing, Gland. L. H. Mahon. 1,868,668; July 26.
Packing gland, Fluid seal. F. Hodgkinson. 1,846,398; Feb. 23.
Packing. Labyrinth. W. B. Flanders. 1,848,613; Mar. 8.
Packing, Labyrinth. O. A. Wiberg. 1,882,267; Oct. 11.
Packing machine. F. O. Connell. 1,882,317; Oct. 11.
Packing machine. M. M. Raymer and R. S. Poole. 1,852,790; Apr. 5.
Packing machinery. J. W. Chalmers. 1,843,802; Feb. 2.
Packing machinery. G. Dearsley. 1,886,378; Nov. 8.
Packing machinery. W. E. Molins. 1,853,447; Apr. 12.
Packing machinery. W. E. Molins. 1,872,090; Aug. 16.
Packing material. F. D. Gray. 1,892,527; Dec. 27.
Packing material. F. J. Reuter. 1,847,262; Mar. 1.
Packing material, Improved thermo. C. Gottwald. 1,877,296; Sept. 13.
Packing material retainer for journal boxes of railway cars. C. A. Zweibel and T. O'N. Sechrist. 1,866,692; July 12.
Packing, Metallic. J. F. Enderlin and J. E. Ogles. 1,873,745; Aug. 23.
Packing, Metallic. E. L. Lorehn. 1,882,223; Oct. 11.
Packing, Metallic. W. R. Thurston. 1,847,796; Mar. 1.
Packing, Multiple stage rod. W. K. Queen. 1,844,903; Feb. 9.
Packing, Oakum. A. C. Fischer. 1,867,067; July 12.
Packing, Oil saver. G. Saunders. 1,875,936; Sept. 6.
Packing, Pipe joint. D. B. Stokes. 1,856,890; May 3.
Packing, Piston. F. C. Heckroth. 1,892,189; Dec. 27.
Packing, Piston. J. G. Hodge. 1,865,566; July 5.
Packing, Piston. L. C. Marshall. 1,877,414; Sept. 13.
Packing, Piston. A. W. Morton. 1,851,108; Mar. 29.
Packing, Piston ring. A. B. Low. 1,841,195; Jan. 12.
Packing, Piston rod. F. D. Durham. 1,848,328; Mar. 8.
Packing, Piston rod. A. W. Morton. 1,879,855; Sept. 27.

Packing, Process and apparatus for manufacturing. J. N. Watkins. 1,856,986; May 3.
Packing process for silk yarn and the like. C. S. Andrews. 1,853,449; Oct. 18.
Packing, Pump. W. J. MacArthur. 1,851,395; Mar. 29.
Packing, Renovating journal box. E. S. Pearce. 1,877,755; Sept. 13.
Packing, Resilient. M. Birkigt. 1,860,274; May 24.
Packing ring. A. D. Bailey. 1,873,859; Aug. 23.
Packing ring. T. Madsen. 1,859,211; May 17.
Packing ring, V. E. Nelson. 1,852,472; Apr. 5.
Packing ring. W. R. Smittle. 1,858,173; May 10.
Packing ring. W. R. Smittle. 1,860,267; May 24.
Packing, Rod. A. W. Morton and E. Stead. 1,879,988; Sept. 27.
Packing, Shaft. F. D. Durham. 1,866,967; July 12.
Packing, Shaft. W. Emmet. 1,876,515; Sept. 6.
Packing, Shaft. R. C. Hopkins. 1,861,275; May 31.
Packing, Shaft. B. L. Newkirk and L. P. Grobel. 1,876,520; Sept. 6.
Packing stuffer. H. W. De Jarnette. 1,858,040; May 10.
Packing strip for automobiles. E. E. Davidson. 1,855,792; Apr. 26.
Packing, Valve. G. F. De Wein. 1,844,641; Feb. 9.
Packing, Water pump W. M. Baumheckel. 1,889,397; Nov. 29.
Packings, Apparatus for reclaiming journal. A. M. McGill. 1,852,665; Apr. 5.
Packings of turbines, Sealing the shaft. P. W. Thompson. 1,873,041; Sept. 20.
Pad; *See*—

Absorbent pad.	Knee and elbow pad.
Brake and clutch pedal pad.	Machine pad.
Brake pad.	Memorandum pad.
Desk pad.	Metatarsal pad.
Electrical contact pad.	Pressing machine pad.
Filler pad.	Pressure pad.
Foot pad.	Roller pad.
Gun loading.	Shoulder pad.
Gun recoil pad.	Spacing pad.
Gun stock pad.	Spring pad.
Hair waving pad.	Table pad.
Heating pad.	Toe pad.
Hydraulic pad.	Truss pad.
Ink pad.	Typewriter pad.
	Writing and drawing pad.

Pad. A. B. Ellery. 1,843,947; Feb. 9.
Pad. C. H. Smith. 1,865,149; June 28.
Pad. Ear. A. Whitney. 1,874,657; Aug. 16.
Pad and flash light, Combination writing. L. Pereira. 1,889,373; Nov. 29.
Pad and ring, Hospital. M. Hart. 1,864,434; June 21.
Pad for carpets, rugs and mats, Under. H. D. Thiele. 1,872,846; Aug. 23.
Pad for telephones, Memorandum. S. Kahn. 1,889,666; Nov. 29.
Pad for dining tables and other classes of tables, Heat proof. F. H. Lange. 1,852,323; Apr. 5.
Pad for garment pressing machines. W. Strowbridge. 1,870,934; Aug. 9.
Pad for glasses, Shield. E. F. Glenn and R. H. Herring. 1,866,460; July 5.
Pad for guns, Recoil. N. F. Smith. 1,868,953; July 26.
Pad for invalid cushions. H. M. Buckley. 1,886,537; Nov. 4.
Pad for writing instruments, Writing. W. M. Colfelt. 1,868,441; July 19.
Pad making machine. E. R. Martin. 1,859,310; May 24.
Pad or cushion, Seat. W. H. Adams. 1,870,275; Aug. 9.
Pad or similar article, Heating. G. Moessner. Des. 86,626; Feb. 23.
Pad press, Waving. B. A. Sterling. 1,845,104; Feb. 16.
Padding for laundry machinery, Resilient. W. Jack. 1,859,010; Nov. 29.
Padding into upholstery, Method and device for inserting. H. M. Scott. 1,842,845; Jan. 26.
Paddle and base for washer logs. W. A. Fye. 1,877,167; Sept. 13.
Padlock. A. S. Beardsley. 1,888,108; Nov. 15.
Padlock. C. Buehner. 1,849,070; Mar. 15.
Padlock. C. N. Fairchild. 1,844,569; Feb. 9.
Padlock. J. W. Fitz Gerald. 1,876,893; Sept. 13.
Padlock. J. W. Fitzgerald. 1,885,425; Nov. 1.
Padlock. H. Filing. Des. 88,303; Nov. 15.
Padlock. M. C. Maxwell. 1,881,809; Oct. 11.
Padlock. J. G. Sabo. 1,840,469; Jan. 12.
Padlock. H. H. Shaw. 1,886,912; Nov. 8.
Padlock. C. H. Thomas. 1,849,775; Mar. 15.
Padlock. A. Van Kleeck. 1,855,327; Apr. 26.
Padlock, Combination. E. Sinner. 1,866,273; July 5.
Padlock, Sealable. F. H. Van Leer. 1,867,689; July 19.
Paging system. J. Duross. Re18,466; May 17.
Pail. G. R. Le Sauvage and L. E. Padelford. 1,863,138; June 14.
Pail, Dinner. L. and E. Scherz. 1,839,414; Jan. 5.
Pail, Garbage. A. C. Bourdette. 1,886,630; Nov. 8.
Pail, Glass. F. S. Borbiers. Des. 87,453; Aug. 2.
Pail, Multiple compartment. B. M. Esslinger. 1,848,331; Mar. 8.
Pail, Sanitary milk. C. E. Carter. 1,871,584; Aug. 16.
Pail, Window cleaner's. C. F. Stiel. 1,887,071; Nov. 8.
Paint. H. Bernard. 1,879,045; Sept. 27.
Paint. A. H. Sabin. 1,847,539; Mar. 1.
Paint. W. C. Sample. 1,891,451; Dec. 20.
Paint and the like, Applying. E. C. Taylor. 1,850,700; Mar. 22.
Paint and varnish remover containing activated acetone. B. N. Lougovoy. 1,884,767; Oct. 25.
Paint and varnish remover containing furfural. B. N. Lougovoy. 1,884,766; Oct. 25.
Paint and varnish remover containing ketone condensation solvents. B. N. Lougovoy. 1,884,765; Oct. 25.
Paint, Apparatus for applying. M. Pfeiffer. 1,890,192; Dec. 6.
Paint, Apparatus for straining. F. N. George. 1,845,261; Feb. 16.
Paint applying machine. E. W. Little. 1,889,676; Nov. 29.
Paint grinding machine. D. A. McKinney and L. A. McLean. 1,888,735; Nov. 22.
Paint, Plastic. H. K. Linzell and H. A. Scholz. 1,858,369; May 17.
Paint, Protective. S. A. Sulecio. 1,852,761; Apr. 5.
Paint pulverizer. L. Spira. 1,891,067; Dec. 13.
Paint softener, Electric. F. D. Potenza. 1,881,241; Oct. 4.
Paint spraying appliance. S. Bramsen and F. Wahlin. 1,878,435; Sept. 20.
Paint stirrer. S. H. Gibson. 1,841,434; Jan. 19.
Paint striping device. K. V. Eklov. 1,891,527; Dec. 20.
Paint testing instrument. A. H. Pfund. 1,875,133; Aug. 30.
Paint, varnish, and lacquer remover. C. Ellis. 1,884,633; Oct. 25.
Painting device. L. Schott. 1,858,466; May 17.
Painting instrument. E. M. Barden. 1,886,863; Nov. 8.
Painting instrument. A. L. Kline. 1,857,282; May 10.
Paints and other liquids, Apparatus for storing and dispensing. L. H. Hancock. 1,842,939; Jan. 26.
Paints, lacquers or other liquids, Device for spraying. A. H. Downs. 1,876,643-4; Sept. 13.
Paints, varnishes and lacquers and making the same, Base for. E. C. Holton. 1,888,595; Nov. 22.
Pajama. M. C. Schrank. 1,869,918; Aug. 2.
Pajama trousers. G. P. Kimmel. 1,858,201; May 10.
Pajamas. I. H. Oberndorfer. Des. 86,966; May 17.
Palter for sintering machines. H. J. Stehli. 1,885,152; Nov. 1.
Pan; *See*—

Air pressure dry pan.	Grinding pan.
Baking pan.	Lead pan.
Building pan.	Multiple baking pan.
Cake pan.	Oil pan.
Cooking pan.	Pie pan.
Drain pan.	Roasting pan.
Dust pan.	Solder catch pan.
Frying pan.	

Pan. J. J. App. 1,869,234; July 26.
Pan and cooking oven, Combination frying. A. L. Vought. 1,862,778; June 14.
Pan and cutterbar brace, Grain. T. N. Pierson. 1,853,776; Apr. 12.
Pan and grain shoe, Grain. P. F. Gruver. 1,880,387; Oct. 4.
Pan and the art of and blank for making the same, Plaited corner-fold. W. J. Roepke. 1,870,295; Aug. 9.
Pan attachment, Roasting. E. Bocchino. 1,888,616; Nov. 22.
Pan cleaning machine. A. B. Peffer. 1,887,138; Nov. 8.
Pan for toilet tanks, Drip. E. J. Wimmer. 1,863,211; June 14.
Pan for wolf traps, Trip. C. Davidson. 1,844,746; Feb. 9.
Pan for wringers, Starch. W. C. Laird. 1,882,364; Oct. 11.
Pan greasing machine. S. P. Larson. 1,885,453; Nov. 1.
Pan lifter. J. A. Dietz. 1,886,473; Nov. 8.
Pan lifter. W. S. Locke. 1,871,811; Aug. 16.
Pan lifter. F. L. Patterson. 1,846,527; Feb. 23.
Pan structure, Ash. S. J. Raetz. 1,845,167; Feb. 16.
Pans, Set of baking. A. F. and P. S. Ward. 1,859,855; May 24.
Pancake turner. H. E. Barcht. 1,869,299; July 26.
Panel. F. B. Root. Des. 88,001; Oct. 18.
Panel and making same, Inlaid. F. M. Curran. 1,839,535; Jan. 5.
Panel and their fabrication, Laminated. H. J. Woodall and M. S. Randall. 1,878,086; Sept. 20.
Panel, Annunciator. J. O. Cadieux. 1,888,584; Nov. 22.
Panel board. J. W. Ledeboer. 1,866,896; July 12.
Panel board and cabinet therefor. F. T. Shull. 1,878,336; Sept. 20.
Panel board construction. F. T. Shull. 1,878,335; Sept. 20.
Panel board, Flush type theft-proof. C. H. Veale. 1,844,725; Feb. 9.
Panelboard mounting means. F. B. Adam. 1,847,458; Mar. 1.
Panel, Control. G. W. Hyser. 1,887,644; Nov. 15.
Panel, Cushioning. L. Oxhandler. 1,853,374; Apr. 12.
Panel, Distributing. H. G. Baxter. 1,868,132; July 19.
Panel, Distributing. K. C. Randall. 1,884,225; Oct. 25.
Panel for a stove door or the like. R. A. Thompson. Des. 86,755; Apr. 12.
Panel for heating and ventilating units, Movable. W. Ewald. 1,875,918; Sept. 6.
Panel for out-door advertising structure. G. D. Overholtz. 1,853,141-2; Apr. 12.
Panel for range or similar article. S. H. Hobson. Des. 88,150; Nov. 1.

Panel for the walls and doors of refrigerators and cold storage rooms. G. Lovell and G. D. Lovell. 1,877,336; Sept. 13.
Panel frame construction. L. L. Levene. 1,863,722; June 21.
Panel, Grille. O. B. Fuchs. Des. 86,564; Mar. 22.
Panel, Grille. L. Pirola. Des. 86,472; Mar. 8.
Panel, Grille. B. Rouge. Des. 86,541; Mar. 15.
Panel, Hollow. J. LeGall. 1,887,814; Nov. 15.
Panel, Marking. N. J. Rich. 1,845,558; Feb. 16.
Panel, Oil immersed current distributing. H. G. Baxter. 1,851,930; Mar. 29.
Panel, Oil-immersed distributing. H. G. Baxter. 1,889,308; Nov. 29.
Panel, Open work. W. N. Thurn. 1,852,274; Apr. 5.
Panel support. J. W. Rodack. 1,869,714; Aug. 2.
Panels in cardboard, Embossing. H. Kaplan. 1,862,091; June 7.
Panels, Joining composite. G. K. Lewis. 1,881,733; Oct. 11.
Panels, Manufacture of decorative. T. F. Dalton. 1,850,995; Mar. 29.
Pantograph collector. W. Schanke. 1,848,845; Mar. 8.
Pants, Baby. M. C. Reynolds. 1,865,341; July 5.
Pants, Boy's. J. K. Hicks. Des. 86,602; Mar. 29.
Pants or like articles of clothing, Knitting. J. A. P. Kumar. 1,849,814; Mar. 15.
Pants or overall bottom. W. C. Marke. 1,861,704; June 7.
Pants rack. K. C. Garner. 1,886,389; Nov. 8.
Paper. C. S. Hamersley. 1,870,681; Aug. 9.
Paper. E. C. Schacht. 1,888,409; Nov. 22.
Paper, Absorbent. R. H. McCornick and G. L. Schwartz. 1,857,100; May 3.
Paper and felted sheet materials, Making. M. R. Ware. 1,854,264; Oct. 18.
Paper and making cellulose xanthate from it. G. A. Richter. 1,842,688; Jan. 26.
Paper and making same, Air-porous. F. Riebel, jr. 1,854,427; Apr. 19.
Paper and making same, Mulch. M. Cline and R. A. Masten. 1,846,185–6; Feb. 23.
Paper and making same, Sized. G. T. Lane. 1,840,399; Jan. 12.
Paper and making the same, Coated. A. W. Schorger. 1,863,731; June 21.
Paper and making the same, Condenser. L. P. Schweitzer. 1,864,090; June 28.
Paper and making the same, Reenforced. H. D. Moore. 1,885,280; Nov. 1.
Paper and making the same, Safety. A. E. Remick. 1,839,995; Jan. 5.
Paper and manufacturing the same. R. H. McKee. 1,870,259; Aug. 9.
Paper and metal ribbons into coils, Mechanism for slitting and winding. C. H. Thordarson. 1,861,037; May 31.
Paper and method of making, Parchmentized crepe. E. L. Rahlander and H. Charles. 1,871,702; Aug. 16.
Paper and products thereof, Making. O. Erf. 1,848,610; Mar. 8.
Paper and resulting product, Coloring crepe. G. R. Alden. 1,871,769; Aug. 16.
Paper and the like, Apparatus for drying. G. B. Bailey. 1,849,915; Mar. 15.
Paper and wrapping of articles therein, Waxing of. C. S. Hamersley. 1,871,687; Aug. 16.
Paper, Apparatus for and method of making deckle edged. G. W. Bicking. 1,858,181; May 10.
Paper, Apparatus for making. W. H. Cannard. 1,873,111; Aug. 23.
Paper, Apparatus for measuring the thickness of. F. Sawford. 1,882,962; Oct. 18.
Paper article and making same, Flanged reenforced. A. Moore. 1,870,062; Aug. 2.
Paper article and making the same. A. L. Clapp. 1,857,496; May 10.
Paper articles with viscose, Treating. M. O. Schur. 1,880,286; Oct. 4.
Paper bag. H. A. Grant. 1,860,244; May 24.
Paper bag. V. W. Ridley. 1,875,154; Aug. 30.
Paper bag. E. J. Thompson. 1,883,108; Oct. 18.
Paper board, Corrugated. C. DeL. Wood, sr. 1,863,706; June 21.
Paper board, Manufacture of. L. W. Case and H. E. Cude. 1,880,339; Oct. 4.
Paper board box. John F. Page. 1,870,688; Aug. 9.
Paper bodied can. H. C. Hicks. 1,876,932; Sept. 13.
Paper, book signatures, or the like, Gathering and/or collating sheets of. W. Cook. 1,861,496; May 31.
Paper box. J. O. Betz. 1,842,501; Jan. 26.
Paper box. F. J. Schleicher. 1,889,134; Nov. 29.
Paper box. B. G. Warner. 1,873,085; Aug. 23.
Paper box blanks, Manufacture of corrugated. G. A. Ungar. 1,861,991; June 7.
Paper box, Covered collapsible. J. D. Tennant. 1,841,222; Jan. 12.
Paper box, Foldable. W. R. Krebs. 1,871,706; Aug. 16.
Paper box, Folding. W. Medoff. Des. 87,165; June 14.
Paper box, Folding. C. P. Wallace. 1,869,724; Aug. 2.
Paper, Calenderizing coated. R. A. Steffen. 1,842,848; Jan. 26.
Paper carriage escapement disabling mechanism. W. W. Landsledel. 1,854,748; Apr. 19.
Paper carrier. W. F. Lenhart. 1,859,303; May 24.
Paper cleaner, Wall. H. S. Neale. 1,859,747; May 24.
Paper, Cleaning and polishing. R. A. Christie. 1,851,811; Mar. 29.
Paper clip. M. boy Frank. 1,866,458; July 5.
Paper clip. C. E. Thompson. 1,873,223; Aug. 23.
Paper clip, Reversible. K. P. Durham. 1,848,999; Mar. 8.
Paper, Coated. G. J. Esselen, jr., and R. P. Rose. Re18,312; Jan. 5.
Paper, Colored effect. C. Dankert. 1,889,953; Dec. 6.
Paper, Coloring. W. H. Grogan and F. C. Ladd. 1,889,020; Nov. 29.
Paper, Composite. G. E. Gibbs. 1,841,946; Jan. 19.
Paper condenser winding machine. B. J. Butler. 1,881,170; Oct. 4.
Paper cores, tubes, and the like, Splicing. R. Spry. 1,857,519; May 10.
Paper, Cover. R. Ruzicke. Des. 86,639–40; Mar. 29.
Paper creasing and cutting apparatus. J. J. Redmond. 1,876,074; Sept. 6.
Paper cup. F. Brown. 1,865,555; July 5.
Paper cup. H. Carey. 1,877,158; Sept. 13.
Paper cutter, Roll. J. W. McClintock. 1,865,399; June 28.
Paper cutting and rolling machine. F. S. Van Voorhis. 1,845,895; Feb. 16.
Paper cutting device. W. H. Wheeler, jr., J. W. Ogden, and F. J. Kouns. 1,849,443; Mar. 15.
Paper cutting machine. F. W. Seybold. 1,880,332; Oct. 4.
Paper cutting machine. R. S. Tyler and H. McGeorge. 1,880,598; Oct. 4.
Paper deckling device. P. O. Dodge. 1,846,094; Feb. 23.
Paper delivering device. J. B. Kohler. 1,856,341; May 3.
Paper delivery mechanism. F. B. Cole. 1,858,073; May 10.
Paper developing apparatus, Sensitized. K. Murck. 1,891,722; Dec. 20.
Paper dispensing machine. E. Lucks-Osten, J. Greenwald, and D. Ostern. 1,860,815; May 31.
Paper, Drier. S. A. Reeve. 1,854,956; Apr. 19.
Paper drier. J. W. Vedder. 1,857,222; May 10.
Paper drying means. H. R. Williams. 1,873,949; Aug. 30.
Paper dryness, Indicating. S. A. Staege. 1,884,331; Oct. 25.
Paper, fabric webs, and the like, Transparent folls of. V. Rausch and K. Freund. 1,856,067; May 3.
Paper feed mechanism. E. W. Sibley. 1,870,197; Aug. 2.
Paper feed roller. C. W. Crumrine. 1,873,555; Aug. 23.
Paper feeder. M. B. Bushnell. 1,876,506; Sept. 13.
Paper feeding and delivering mechanism. C. F. Richard. 1,860,691; May 31.
Paper feeding and folding mechanism, Pneumatic control for. M. Faridon. 1,886,496; Nov. 8.
Paper feeding and tensioning mechanism. A. S. Wheelbarger and G. C. Coil. 1,846,463; Feb. 23.
Paper feeding device. E. B. Phinney. 1,879,465; Sept. 27.
Paper feeding machine. L. K. Aldrich. 1,874,149; Aug. 30.
Paper folding machine. C. S. Beall. 1,863,709; June 21.
Paper folding machine. H. F. Bechman. 1,873,102; Aug. 23.
Paper folding machine. C. L. Burdick. 1,843,020; Jan. 26.
Paper folding machine. C. H. Gunn. 1,858,621; May 17.
Paper folding machine. O. Kleinschmit. 1,846,119; Feb. 23.
Paper folding machine. J. Mentges. 1,871,900; Aug. 16.
Paper folding machine. L. H. Morin. 1,877,359; Sept. 13.
Paper folding machine. H. H. Rawson. 1,875,655; Sept. 6.
Paper folding machine. J. Q. Sherman and A. W. Metzner. 1,856,972; May 3.
Paper folding machine. F. L. Stanton. 1,886,312; Nov. 1.
Paper folding machine. R. M. Wolff. 1,843,964; Feb. 9.
Paper for agricultural or horticultural uses, Protective. W. A. Hall. 1,870,110; Aug. 2.
Paper for bank checks and the like. B. W. Smith. Des. 85,997; Jan. 12.
Paper for use as paper making stock, Treating printed. L. A. Dilis. 1,870,358; Aug. 9.
Paper Gunning. C. Humpfner. 1,886,550; Nov. 8.
Paper handling machine. W. Holms. 1,850,932; Mar. 22.
Paper hanger's straight edge. W. B. Petree. 1,847,412; Mar. 1.
Paper, Indented. W. H. Ellis, jr. 1,863,973; June 21.
Paper, Insulating. L. Weber. 1,887,726; Nov. 15.
Paper inserting device, Quick. R. E. Page. 1,839,409; Jan. 5.
Paper, inserting it in envelopes, tucking in the flap or sealing the envelopes, and stamping them, Apparatus for folding. A. Cogswell. 1,866,452; July 5.
Paper machine. E. E. Berry. 1,880,685; Oct. 4.
Paper machine. G. Nicholas. 1,865,270; June 28.
Paper machine. I. Stern and J. Huebner. 1,860,845; May 31.
Paper machinery. C. R. Crawford. 1,884,583; Oct. 25.
Paper machinery. H. R. Williams. 1,842,889; Jan. 26.
Paper machinery. H. Wright, jr. 1,859,014; May 17.
Paper machines, Synchronizing device for. W. Vogel. 1,846,779; Feb. 23.
Paper, Making. D. Finley. 1,857,275; May 10.
Paper making. C. B. Griffin. 1,878,236; Sept. 20.
Paper making. E. Lionne. 1,847,773; Mar. 1.

Paper, Making and treating. F. G. Crane. 1,889,851; Dec. 6.
Paper making apparatus. H. L. Brooks and T. O'Flynn. 1,847,377; Mar. 1.
Paper-making apparatus. F. LaCroix. 1,866,811; July 12.
Paper making apparatus. W. A. N. and W. A. Spencer. 1,887,143; Nov. 8.
Paper making apparatus. W. G. Trotman. 1,875,526; Sept. 6.
Papermaking composition. G. A. Richter. 1,850,139; Mar. 22.
Papermaking, Composition for and method of. G. A. Richter. 1,893,740; Dec. 20.
Paper making machine. E. E. Berry. 1,880,688; Oct. 4.
Paper making machine. T. H. Broadhurst. 1,851,941; Mar. 29.
Paper making machine. C. Büchner. 1,876,563; Sept. 13.
Paper making machine. J. Langenbacher. 1,882,187; Oct. 11.
Paper making machine. W. H. Millspaugh. 1,853,068; Apr. 12.
Paper making machine. T. D. Nuttall. 1,859,838; May 24.
Paper making machine. H. R. Williams. 1,855,435; Apr. 26.
Paper making machine and making paper. E. E. Berry. 1,880,691; Oct. 4.
Paper making machine and making web material. E. E. Berry. 1,880,690; Oct. 4.
Paper making machine, Multiple cylinder. H. Parker. 1,881,914; Oct. 11.
Paper making machinery. H. D. Martindale. 1,852,177; Apr. 5.
Paper-making machines, Slice and head box for. R. Wood. 1,866,607; July 12.
Paper making method of and apparatus for. H. Parker. 1,867,588; July 19.
Paper, Making nonbleeding crepe. G. R. Alden and T. Nelson. 1,863,813; June 21.
Paper making process. J. R. Simpson. 1,883,022; Oct. 18.
Paper making technique. F. F. Bovard and T. D. Beckwith. 1,884,346; Oct. 25.
Paper, making the same and composition for rendering the same transparent, Transparent. K. Hagglund. 1,872,662; Aug. 23.
Paper manufacture. W. E. Bair, jr. 1,875,208; Aug. 30.
Paper manufacture. C. A. Benson. 1,847,291; Mar. 1.
Paper manufacture. E. Fuchs. 1,845,655; Feb. 16.
Paper manufacture. C. S. Hamm. 1,852,158; Apr 5.
Paper manufacture. A. R. Harvey. 1,851,176; Mar. 29.
Paper manufacture. A. E. Millington. 1,853,774; Apr. 12.
Paper manufacture. J. J. O'Connor. 1,868,291; July 19.
Paper manufacture. H. R. Rafton. 1,848,658–9; Mar. 8.
Paper manufacture. H. R. Rafton. 1,886,120; Nov. 1.
Paper manufacture. C. A. Richter. 1,880,045; Sept. 27.
Paper manufacture. H. T. Ruff. 1,864,220; June 21.
Paper manufacture. H. W. Server. 1,882,194; Oct. 11.
Paper manufacture. C. E. Smith. 1,879,560; Sept. 27.
Paper manufacture. E. Sutermeister and J. A. Warren. 1,839,449; Jan. 5.
Paper manufacture. J. Traquair. 1,843,464–6; Feb. 2.
Paper manufacture. J. Traquair. 1,867,930; July 19.
Paper manufacture. J. Traquair and H. A. Kidd. 1,867,931; July 19.
Paper manufacture. J. Traquair and F. G. Rawling. 1,843,467; Feb. 2.
Paper manufacture. J. Traquair and F. G. Rawling. 1,869,082; July 26.
Paper manufacture. J. Traquair and F. G. Rawling. 1,880,587; Oct. 4.
Paper manufacture. W. J. Zimmerman. 1,878,228; Sept. 20.
Paper, Manufacture of. H. R. Rafton. 1,892,471–2; Dec. 27.
Paper, Manufacture of. R. S. Von Hazmburg. 1,881,985; Oct. 11.
Paper, Manufacture of cigarette. B. Seferiadis. 1,839,346; Jan. 5.
Paper, Manufacture of transparent. S. Boyer. 1,862,656; June 14.
Paper, Manufacturing straw. P. Drewsen. 1,880,899; Oct. 4.
Paper, Method and apparatus for making reenforced. N. S. Brown and T. Burns. 1,870,267; Aug. 9.
Paper, Method and apparatus for waxing. V. H. Wilshire. 1,866,689; July 12.
Paper, Method and machine for making. J. D. Tompkins and F. H. Fuller. 1,843,656; Feb. 2.
Paper, Method of and apparatus for making. E. E. Berry. 1,880,692; Oct. 4.
Paper, Method of and apparatus for making. J. D. Tompkins. 1,868,617; July 26.
Paper, Method of and apparatus for making multiply. H. Parker. 1,881,912; Oct. 11.
Paper, Method of and machine for making. J. C. Sherman. 1,880,057; Sept. 27.
Paper moisture, grease and acid proof and solutions therefor, Rendering. L. A. Dils. 1,871,842; Aug. 16.
Paper, Mulch. C. J. Allen. 1,844,051; Feb. 9.
Paper or a like web, Apparatus for winding. A. Thomas. 1,872,098; Aug. 16.
Paper or fabric a suede-like finish of waterproof property, Producing on. A. Burnett. 1,883,535; Oct. 18.
Paper or fiber can. D. E. Griffith. 1,851,535; Dec. 20.
Paper or fibre board and product of same, Surface finishing. A. L. Clapp. 1,857,497; May 10.
Paper or similar article, Wrapping. C. E. Buckbee, B. S. Cochran, and E. M. Johnson. Des. 85,908; Jan. 5.
Paper or similar covering for the seats of water closet basins, Device for the mechanical obtainment of a changeable. E. Vallecchi. 1,858,794; May 17.
Paper pads, Device for facilitating the manufacture of. F. C. Alexander. 1,847,994; Mar. 1.
Paper pasting machine. H. Ridge. 1,843,488; Feb. 2.
Paper pasting machine, Wall. R. I. Mann. 1,889,127; Nov. 29.
Paper perforating device. F. J. Kline. 1,870,055; Aug. 2.
Paper piercing device. H. A. W. Wood. 1,870,543; Aug. 9.
Paper press. N. J. Niks. 1,844,294; Feb. 9.
Paper, Printing and waxing. E. C. Francoise. 1,845,260; Feb. 16.
Paper, Producing. D. B. Oblinger. 1,864,852; June 28.
Paper pulp and making same. L. L. Alsted. 1,847,326; Mar. 1.
Paper pulp beating machine. B. M. Baxter. 1,878,661; Sept. 20.
Paper pulp beating machine. E. B. Fritz. 1,889,753; Jan. 5.
Paper pulp beating machine, hollander, refiner, and the like. C. D. Sheldon. 1,849,556; Mar. 15.
Paper pulp, Bleaching of. S. D. Wells. 1,883,193; Oct. 18.
Paper pulp bleaching process. W. Hirschkind. 1,873,924; Aug. 23.
Paper pulp extractor. L. V. Reese and G. W. Johnson. 1,887,955; Nov. 15.
Paper pulp into a consistent mass suitable for storage, etc., or into bales for shipment, Converting liquid. R. T. Lang. 1,861,184; May 31.
Paper pulp, Making. W. H. Mason. 1,872,996; Aug. 23.
Paper pulp, Method of and apparatus for beating. W. N. Sherwood. 1,863,808; June 21.
Paper pulp, Method of and apparatus for screening. E. J. Thurley. 1,856,176; May 3.
Paper pulp separator. G. A. Cumberland. 1,882,178; Oct. 11.
Paper, Pyro-recording. R. S. Bicknell and R. H. Ranger. 1,844,199; Feb. 9.
Paper, Recording. F. G. Morehouse. 1,850,600; Mar. 22.
Paper, Reenforced. J. W. Ballard. 1,866,513; July 5.
Paper, Reenforced building. H. A. Anderson. 1,870,215; Aug. 9.
Paper reenforcing machine. G. E. Gibbs. 1,841,945; Jan. 19.
Paper reenforcing machine. G. E. Gibbs. 1,850,301; Mar. 22.
Paper registering device. E. L. Smith. 1,873,057; Aug. 23.
Paper remover, Wall. N. M. Shaffer. 1,879,826; Sept. 27.
Paper replenishing device for wet presses. H. A. W. Wood. 1,843,436; Feb. 2.
Paper roll. J. E. Hires. 1,882,012; Oct. 11.
Paper roll and guard therefor. J. E. Ott and W. E. Close. 1,861,874; June 7.
Paper roll braking device. H. A. W. Wood. 1,883,222; Oct. 18.
Paper roll renewing device. F. G. L. Boyer. 1,850,071; Mar. 22.
Paper roll, Sanitary. L. Van Wagner. 1,891,629; Dec. 20.
Paper rolls, Manufacture of. P. J. Mulligan. 1,868,115; July 19.
Paper ruling, cutting, and folding machine. W. R. Bell. 1,853,494; Apr. 12.
Paper, Safety. E. P. Benson. Des. 87,250; June 28.
Paper, Safety. W. N. Donaldson. 1,866,400; July 5.
Paper, Safety. E. R. Karger. Des. 86,315; Feb. 23.
Paper shake apparatus and method. H. G. Chatain. 1,865,613; July 5.
Paper sheet, Advertising. H. Latz. Des. 85,984; Jan. 12.
Paper sheet holder. J. A. Smith. 1,873,226; Aug. 23.
Paper sheet, Multiply. C. DeL. Wood, sr. 1,863,707; June 21.
Paper sheet or similar article. A. Lamarque. Des. 86,725; Apr. 12.
Paper sheets, Forming. S. Smith. 1,844,697; Feb. 9.
Paper, Shelf. E. Karfiol. Des. 87,719; Sept. 6.
Paper, Shield. E. Karfiol. Des. 87,306; July 5.
Paper shredding and crimping machine. H. W. Wilson. 1,866,690; July 12.
Paper size and making same. A. E. Maze. 1,863,867; June 21.
Paper, Sizing. H. P. Pearson. 1,842,112; Jan. 19.
Paper slip cutting device. D. N. Hyman. 1,855,352; Apr. 26.
Paper slitting and stacking device. H. E. Sheeler. 1,873,702; Aug. 23.
Paper stock, Apparatus for cleaning. F. C. Ladd. 1,846,522; Feb. 23.
Paper stock regulator. H. D. Wells. 1,890,799; Dec. 13.
Paper stock, Refining and circulating device for. J. E. Bond. 1,842,577; Jan. 26.
Paper-stock-refining engine. G. S. Brazeau and H. P. Madsen. 1,883,184; June 14.
Paper stretch tester. H. Koester. 1,885,209; Nov. 1.
Paper strip distributing, cutting, and moistening machine. A. F. Gillet. 1,860,668; May 31.

Paper strips for daylight loading film rolls, Protective. E. Opfermann and W. Fischer. 1,879,443; Sept. 27.
Paper suitable for capacitors and making the same. A. L. Allen. 1,850,702; Mar. 22.
Paper, System for treating waste. N. H. Sandberg. 1,847,263; Mar. 1.
Paper towel package. J. C. Sherman. 1,883,008; Oct. 18.
Paper, Treating. F. A. Gollnich. 1,846,093; Feb. 16.
Paper, Treating and seasoning. W. R. Redd. 1,850,808; Mar. 22.
Paper trimmer. W. D. Forbes. 1,876,902; Sept. 13.
Paper winding device. J. B. Allen. 1,847,803; Mar. 1.
Paper, Ultra-violet sensitive. L. W. Eberlin. 1,878,684; Sept. 20.
Paper, Wall. E. F. Arnold. 1,848,686; Mar. 8.
Paper, Wall. M. Libert. Des. 87,348; July 12.
Paper, Water and flameproof. T. Jenkins. 1,885,113; Nov. 1.
Paper, Waterproofed reenforced. G. E. Gibbs. 1,871,602; Aug. 16.
Paper web tensioning means for reel-fed printing presses. H. V. James. 1,879,901–2; Sept. 27.
Paper weight. L. C. Kratz. 1,883,965; Oct. 25.
Paper weight. J. J. Reinhold. Des. 86,594; Mar. 8.
Paperweight, calendar, and blotter, Combined desk. W. C. Hiering. 1,854,585; Apr. 19.
Paper winding apparatus. E. E. Berry. 1,870,225; Aug. 9.
Paper winding mechanism. C. W. Valentine and A. F. Heath. 1,884,081; Oct. 25.
Paper with insoluble dyes and resulting product, Making colored crepe. G. R. Alden. 1,871,647; Aug. 16.
Paper with vapor preparatory to printing thereon, Apparatus for treating. E. R. Gaskin. 1,883,364; Oct. 18.
Paper working machine. F. G. Wikstrom. 1,890,071; Dec. 6.
Paper wrapping strip, Treating. J. A. Kennedy. 1,892,059; Dec. 27.
Papers and apparatus therefor, Manufacture of effect. B. Cornely and R. Richter. 1,880,827; Oct. 4.
Papers and other bases and light sensitive layers therefore, Light sensitive. R. Lantz. 1,857,920; May 10.
Papers and the like in folders and files, Device for securing. W. L. Moore. 1,839,988; Jan. 5.
Papers for security purposes, Production of. V. Bausch and A. Schroth. 1,864,116; June 21.
Para-chlor-meta-cresol, Producing. H. E. Laschinger. 1,847,566; Mar. 1.
Parachute. A. E. Gastner. 1,840,618; Jan. 12.
Parachute. F. A. Ducoty. 1,857,014; May 3.
Parachute. B. L. Elliott. 1,872,705; Aug. 23.
Parachute. F. N. Madden. 1,877,066; July 12.
Parachute. F. R. Owens. Re18,366; Mar. 1.
Parachute. F. R. Owens. 1,859,155; May 17.
Parachute. L. S. Rockwell. 1,839,441; Jan. 5.
Parachute. G. G. Schwabek. 1,855,320; Apr. 26.
Parachute. I. M. Tintore. 1,857,485; May 10.
Parachute. G. Trimm. 1,862,247; June 7.
Parachute. S. L. Van Meter, jr. 1,874,392; Aug. 30.
Parachute, Aeroplane. J. A. Barber. 1,849,970; Mar. 15.
Parachute, Aeroplane. A. Chmielewski. 1,861,300; May 31.
Parachute, Aeroplane. B. Slipikas. 1,878,299; Sept. 20.
Parachute, Air-vent. W. L. Cunningham. 1,871,227; Sept. 13.
Parachute and installation thereof. E. E. Motter. 1,856,397; May 3.
Parachute attachment for aeroplanes. L. R. Papp. 1,890,190; Dec. 6.
Parachute apparatus. L. L. Irvin. 1,842,611; Jan. 26.
Parachute, Biplane. F. Loske. 1,851,712; Mar. 29.
Parachute, Compressed air. J. R. Palagonia. 1,854,996; Apr. 19.
Parachute construction. E. L. Hoffman. 1,842,450; Jan. 26.
Parachute ejector, Multi-tube. E. V. Stone. 1,852,439; Apr. 5.
Parachute for illuminating flares. S. Wiley. 1,890,962; Dec. 13.
Parachute harness, Combination. E. L. Hoffman. 1,857,375; May 10.
Parachute, Mail-bag. C. M. Graeff. 1,890,083; Dec. 6.
Parachute mounting for airplanes, R. Monteleone. 1,853,874; Apr. 12.
Parachute opening device. J. K. De Witt. 1,864,298; June 21.
Parachute pack. S. Switlik. 1,859,185; May 17.
Parachute rip cord apparatus. H. E. Lafayette, G. Waite, and L. H. Ford. 1,842,723; Jan. 26.
Parachute shroud cords, Reinforcing for. S. Switlik. 1,849,965; Mar. 15.
Parachute trap. S. R. Peterson. 1,844,594; Feb. 9.
Parachutes, Attachment for. L. E. Simpson and C. H. Bartholomew. 1,890,868; Dec. 13.
Parachutes for aeroplanes, Safety. M. J. Nouslakis. 1,889,038; Nov. 29.
Parachutes, Guiding means for. A. A. Longaker. 1,997,030; Nov. 8.
Paraffin and naphthene base oils, Refining. J. G. Ford. 1,871,682; Aug. 16.
Paraffin device for treating threads. A. Hoffmann. 1,871,663; Sept. 13.
Paraffin from paraffin containing materials, Recovering. H. O. Lindgren and K. G. Malm. 1,847,488; Mar. 1.
Paraffin liquefying device. W. J. Hart. 1,888,125; Nov. 15.
Paraffin wax and the like, Apparatus for spraying. T. Watson. 1,889,507; Nov. 29.
Paraffin, wax, or the like, Apparatus for the spraying and atomizing of melted substances such as. J. A. Grube. 1,840,897; Jan. 12.
Paraffin wax, Production of highly concentrated. M. Mueller-Cunradi and B. Ottens. 1,883,861; Oct. 11.
Parallel groove clamp. W. H. Kleinsteiber. 1,886,195; Nov. 1.
Para-nitraniline, Purifying. A. Miller. 1,848,137; Mar. 8.
Para-phenylphenol, Preparation of. E. C. Britton and S. L. Bass. 1,862,000; June 7.
Parasiticide. M. L. Tower, H. W. Dye, and F. L. McDonough. 1,867,526; Aug. 2.
Parasol construction. P. E. G. Ericson. 1,839,958; Jan. 5.
Parasol construction. P. E. G. Ericson. 1,849,794; Mar. 15.
Parasol or umbrella. P. Krüger. 1,858,960; May 17.
Parathyrin, Preparing. L. Berman. 1,865,164; June 28.
Parathyroid extraction. L. Berman. 1,854,502; Apr. 19.
Parcel, Mailing. H. W. Brewer. 1,867,612; July 19.
Parcel remover for mail boxes. H. S. Lyster. 1,859,269; May 17.
Parcel tie. C. W. Cearley. 1,858,138; May 10.
Paring machine. H. Meherle. 1,850,633; Mar. 22.
Parking device. F. E. Ogilvie. 1,879,438; Sept. 27.
Parking light. A. C. Brandhorst. Des. 87,101; June 7.
Parquetry baling machine. L. C. Carroll. 1,881,370; Oct. 4.
Particles from free water, Separating. C. B. Thorne. 1,863,422; June 14.
Particles of different densities by means of liquids, Separation of. C. W. H. Hoyt. 1,871,521; Aug. 9.
Partition. S. Lowy. 1,865,868; July 5.
Partition. A. D. McKee. 1,849,024; Mar. 8.
Partition, A metal. H. Borsky and H. Freedman. 1,852,833; Apr. 5.
Partition, All metal sanitary. J. E. Tyler. 1,851,604; Mar. 29.
Partition and ceiling construction. F. M. Venzie. 1,856,674; May 3.
Partition and post construction. S. Smiley, jr. 1,849,811; Mar. 15.
Partition and post construction. S. Smiley, jr. 1,853,090; Apr. 12.
Partition and the like. A. G. W. Wedberg. 1,852,546; Apr. 5.
Partition base. R. Orthwine. 1,863,351; June 14.
Partition block. S. Landuf. Re15,889; Feb. 9.
Partition, Bullet resisting. O. B. McClintock. Des. 87,477; Aug. 2.
Partition cement compartment, Swinging. J. P. Heil. 1,867,699; July 19.
Partition for wire conveyer belts, Separating. O. C. Plous. 1,846,029; Feb. 23.
Partition frame. O. J. Larson. 1,864,205; June 21.
Partition machine. W. E. Jensen. 1,887,977; Nov. 15.
Partition machine, Adjustable. W. E. Jensen. 1,887,976; Nov. 15.
Partition or wall construction. S. Smiley, jr. 1,844,696; Feb. 9.
Partition or wall construction. S. Smiley, jr. 1,849,852; Mar. 15.
Partition post or pilaster. O. J. Larson. 1,864,206; June 21.
Partition sheet. A. M. Martin. 1,854,751; Apr. 19.
Partition sheet for binders. A. M. Martin. 1,876,998; Sept. 13.
Partition, Stall. R. Marshall and J. B. Olson. 1,841,141; Jan. 12.
Partition, Tile. J. H. Ryan. 1,854,314; Apr. 19.
Partition wall construction. L. L. Levene. 1,863,723; June 21.
Partition wall edge construction. L. L. Levene. 1,870,579; Aug. 9.
Partition walls, Stiffening. L. L. Levene. 1,863,721; June 21.
Partition wire-way, Corridor. W. J. Binkley. 1,844,269; Feb. 9.
Paste, Combustible. A. A. Epstein. 1,888,820; Nov. 22.
Paste dispensing tube. J. A. Tiscornia. 1,862,870; June 14.
Paste drying device for a printing web. O. C. Roesen. 1,870,529; Aug. 9.
Paste ejector. C. J. Ferguson. 1,839,542; Jan. 5.
Paste feeder. H. N. Allinson. 1,853,652; Apr. 12.
Paste fountain. A. Polevitzky. 1,863,853; May 3.
Paster. L. R. Tufts. 1,844,486; Feb. 9.
Pastes and prints therefrom, Production of printing. F. Teller. 1,845,452; Feb. 16.
Pastes for dyestuffs and preparing them, Printing. A. Schmidt. 1,856,434; May 3.
Pasting machine. C. Bauer. 1,854,878; Apr. 19.
Pasteurization, Apparatus for. F. C. Reeder. 1,884,231; Oct. 25.
Pasteurizer. H. H. Miller. 1,879,392; Sept. 27.
Pasteurizer. C. Morrow. 1,869,768; Aug. 2.
Pasteurizer mixer. A. Mortensen. 1,888,008; Nov. 15.
Pasteurizing apparatus. W. A. Barrett. 1,878,364; Sept. 20.

Pasteurizing apparatus. H. S. Fielder. 1,859,504; May 24.
Pasteurizing apparatus. J. W. Ladd and H. B. Williams. 1,848,957; Mar. 8.
Pasteurizing apparatus. R. Slama. 1,867,771; July 19.
Pastries and confectionery, Apparatus for manufacturing. O. Kremmling. 1,879,328; Sept. 27.
Pastry and making the same. S. Chalikian. 1,853,037; Apr. 12.
Pastry cup. E. Hanwi. 1,878,395; Sept. 20.
Pastry machine. P. Alcala. 1,878,256; Sept. 20.
Pastry machine, Stuffed. A. E. H. Barili. 1,844,142; Feb. 9.
Pastry mold. E. W. Habermaas. 1,874,511; Aug. 30.
Pastry perforator. H. A. Grant. 1,865,368; June 28.
Patch for inner tubes, Valve stem. W. F. Teer. 1,861,102; May 31.
Patch package. L. S. Graff. 1,891,624; Dec. 20.
Patches, Process and apparatus for beveling tire. C. E. Dunlap. 1,880,910; Oct. 4.
Paten. W. H. Achurch. Des. 87,737; Sept. 13.
Pattern. M. Adamcikas and G. Massera. 1,852,949; Apr. 5.
Pattern copying machine. G. F. Ryan. 1,844,981; Feb. 16.
Pattern copying machine. G. F. Ryan. 1,860,723; May 31.
Pattern mechanism for crochet knitting machine. S. Broadwin. 1,860,526; May 31.
Pattern mechanism for knitting machines. A. E. Page. 1,891,270; Dec. 20.
Pattern mechanism for knitting machines and patterning effected thereby, Jacquard. J. and R. H. Lawson. 1,872,596; Aug. 16.
Pattern mechanism for knitting machines and patterning effected thereby, Jacquard. J. and R. H. Lawson. 1,872,598; Aug. 16.
Pattern mechanism for knitting machines, Jacquard. J. and R. H. Lawson. 1,872,597; Aug. 16.
Pattern rolls for applying colored designs on paper, board or the like webs. H. Palm. 1,882,090; Oct. 11.
Pattern strip for spectacle frames or similar articles, Metallic. H. Derden. Des. 86,830; Apr. 26.
Pattern strip for spectacle frames or similar articles, Metallic. H. L. Langknecht, Jr. Des. 86,778; Apr. 19.
Pattern strip for spectacle frames or similar articles, Metallic. H. J. Langknecht. Des. 87,998; Oct. 18.
Pattern, System of drafting dress. C. A. Zorn. 1,884,494; Oct. 25.
Patterning mechanism for circular knitting machines. G. Stibbe. 1,868,643; July 26.
Patterning mechanism for knitting machines. T. C. Brookfield and A. Sheetlam. 1,889,631; Nov. 29.
Patterns, Apparatus for the formation of diagonal strand metallic. F. B. Riley. 1,842,121; Jan. 19.
Patterns of flexible coverings printing cylindrical. C. F. Humphreys and J. C. McCarthy. 1,853,017; Apr. 5.
Pavement. J. B. Strauss. 1,848,582; Mar. 8.
Pavement and its construction, Concrete. R. B. Gage. 1,862,011; June 7.
Pavement and pavement mat. E. Keller, jr. 1,881,660; Oct. 11.
Pavement breaker. B. W. Horton. 1,887,762; Nov. 15.
Pavement breaking machine. W. V. Cornett. 1,891,221; Dec. 20.
Pavement covering and uncovering machine. B. H. Flynn. 1,851,424; Mar. 29.
Pavement joint protector or traffic marker. C. Older. 1,874,590; Aug. 30.
Pavements, Device for laying plastic. J. P. Rogers. 1,890,412; Dec. 6.
Pavements, Method of and machinery for forming. W. M. Venable. 1,887,227; Nov. 8.
Paving aggregate and producing same. L. Wittenberg. 1,884,471; Oct. 25.
Paving block. F. Purdy. 1,884,216; Oct. 25.
Paving chock, Rolled steel welded. J. S. Duryea. 1,866,759; July 12.
Paving material, Producing road. G. W. Alsdorf. 1,842,139; Jan. 19.
Paving mixture. J. E. Black. 1,862,502; June 7.
Pawl, Winch holding. F. L. Young. 1,851,796; Mar. 29.
Payroll printing machine. M. J. Hoffman. 1,845,792; Feb. 16.
Paystation equipment. T. C. Riebe. 1,844,684; Feb. 9.
Peach. A. A. Blake. Pl. Pt. 31; Oct. 11.
Peach. L. Burbank. Pl. Pt. No. 15; Apr. 5.
Peach. J. E. Markham. Pl. Pat. 7; Feb. 16.
Peach. W. F. Ramsey and A. T. Grossman. Pl. Pt. 51; Dec. 20.
Peanut blanching machine. A. Lewinski. 1,842,909; Jan. 26.
Peanut digger. J. F. Dvorak. 1,844,748; Feb. 9.
Peanut digger. L. C. Thacker. 1,866,276; July 5.
Peanut dispensing device. C. W. Mabey. 1,876,332; Sept. 6.
Peanut warmer. W. H. McShane. Des. 87,015; May 24.
Peanuts, Apparatus for use in treating. J. M. Shamas. 1,890,867; Dec. 13.
Pearl essence, Manufacture of. J. Paisseau. 1,865,703; July 5.
Pearls, Production of perfectly spherical culture. K. Mikimoto. 1,847,128; Mar. 1.
Peas, peeling fruits and vegetables, etc., Device for hulling. E. L. Minor. 1,850,940; Mar. 22.
Pecan. W. H. Brake. Pl. Pt. 47; Nov. 29.
Pectin from pectin materials, Extracting. P. B. Myers and G. L. Baker. 1,892,536; Dec. 27.
Pectin preparation. H. G. Loesch. 1,879,697; Sept. 27.
Pectin preparation, Soluble. A. Lee. 1,844,666; Feb. 9.
Pectin, Preparing. R. Douglas. 1,858,820; May 17.
Pedal. J. R. Thorp. 1,880,583; Oct. 4.
Pedal. J. R. Thorp and C. Fausch. Re18,331; Jan. 12.
Pedal, Accelerator. O. C. Rix Weller. 1,875,399; Sept. 6.
Pedal accelerator control. C. R. Crannell. 1,841,092; Jan. 12.
Pedal control for motor cars. G. E. and C. N. H. White. 1,868,265; July 19.
Pedal depressing means for brake testers. A. B. Seppmann. 1,877,367; Sept. 13.
Pedestal. W. H. Mahoney. Des. 87,642; Aug. 23.
Pedestal. T. E. Mueller. Des. 86,625; Mar. 29.
Pedestal, Adjustable. J. A. Kimball. 1,840,167; Jan. 5.
Pedestal desk. H. G. Parker. Des. 88,520; Dec. 27.
Pedestal dome for hair permanent waving machines. W. E. Lippert. Des. 87,069; May 31.
Pedestal, Oil tank. A. Jaskowski. Des. 88,669; Dec. 13.
Pedestal or analogous article. A. J. Flauder. Des. 86,518; Mar. 15.
Pedestal, Stove. C. R. Lovejoy. Des. 87,667; Aug. 30.
Pediform article. W. J. De Witt. 1,892,300; Dec. 27.
Peg top. A. C. Murray. 1,841,198; Jan. 12.
Pellet forming machine. F. D. Brown. 1,851,490; Mar. 29.
Pellet making machine. R. T. Anderson. 1,871,833; Aug. 16.
Pellet making machine. B. M. Estes. 1,848,332; Mar. 8.
Pelt or fur stretcher. G. M. Colf. 1,892,137; Dec. 27.
Pelt printing machine. H. G. Schlesinger and L. Fomhof. 1,844,690; Feb. 9.
Pelt stretching frame. W. F. Horsting. 1,866,709; July 12.
Pelvimeter. E. J. Sovatkin. 1,856,295; May 3.
Pen. R. F. George. 1,852,112; Apr. 5.
Pen. A. C. Spitzglass. 1,892,266; Aug. 9.
Pen. H. E. Waldron. 1,869,950; Aug. 2.
Pen and pencil clip, Fountain. J. B. Platt and I. D. Tefft. Des. 88,821; Dec. 27.
Pen, Automatically filled fountain. C. Zorn. 1,883,367; Nov. 22.
Pen clip, Fountain. T. D. Hopkins. 1,850,796; Mar. 22.
Pen clip or similar article, Fountain. H. Esterow. Des. 86,767; Apr. 19.
Pen desk set, Fountain. G. L. Bassett. 1,876,197; Sept. 6.
Pen, Duplex. P. Mon. 1,892,209; Dec. 20.
Pen filling attachment for ink bottles or the like, Fountain. A. Blenenstein and W. Douglas. 1,867,801; July 19.
Pen filling device, Fountain. R. L. Harris and D. E. Keech. 1,875,866; Sept. 6.
Pen for recording instruments, Siphon. L. T. Hand. 1,849,084; Mar. 15.
Pen for ruling machines. A. Broadmeyer. 1,846,015; Feb. 23.
Pen for the killing of animals, Stunning. H. D. Tefft. 1,843,498; Feb. 2.
Pen, Fountain. F. M. Ashley. 1,874,023–4; Aug. 30.
Pen, Fountain. R. Back. Des. 87,378; July 19.
Pen, Fountain. H. L. Carman. Des. 86,826; Apr. 26.
Pen, Fountain. D. M. J. Conway. 1,848,605; Mar. 8.
Pen, Fountain. A. G. Dahlberg. 1,882,789; Oct. 18.
Pen, Fountain. H. A. Fischer and C. A. Ward. 1,863,925; June 21.
Pen, Fountain. W. C. Ford. 1,881,447; Oct. 11.
Pen, Fountain. D. Kahn. Des. 87,523–4; Aug. 9.
Pen, Fountain. D. Kahn. Des. 88,299; Nov. 15.
Pen, Fountain. C. E. Klaus. 1,845,287; Feb. 16.
Pen, Fountain. A. A. Kolker. Des. 87,021; May 31.
Pen, Fountain. E. E. Kratz. 1,848,358; Mar. 8.
Pen, Fountain. H. Krause. 1,840,110; Jan. 5.
Pen, Fountain. L. Kutter. 1,876,461; Sept. 6.
Pen, Fountain. T. H. Lassagne. 1,849,853; Aug. 9.
Pen, Fountain. E. Le Boeuf. 1,851,257; Mar. 29.
Pen, Fountain. M. MacLeod. 1,865,325; June 28.
Pen, Fountain. H. J. Myers. 1,864,950; June 21.
Pen, Fountain. R. C. Parker. Des. 87,792; Sept. 20.
Pen, Fountain. M. W. Peters. Des. 86,741; Apr. 12.
Pen, Fountain. A. G. Pomeroy. 1,849,311; Mar. 15.
Pen, Fountain. S. M. Sager. 1,868,257; July 19.
Pen, Fountain. V. Savio. 1,875,507; Sept. 6.
Pen, Fountain. H. H. Spayde. 1,843,346; Feb. 2.
Pen, Fountain. H. Spiro. 1,890,100; Dec. 6.
Pen, Fountain. G. S. Vivian. 1,862,586; June 14.
Pen, Fountain. T. D. Walker. 1,839,817; Jan. 5.
Pen, Fountain. L. B. Wood. 1,841,068; Jan. 12.
Penholder. L. V. Aronson. 1,864,708; June 28.
Penholder. L. C. Felser. 1,880,080; Sept. 27.
Penholder. D. L. La Chance. 1,857,460; May 10.
Penholder. E. H. Tompkins. 1,852,136; Apr. 5.
Penholder. O. Zimmermann. 1,861,171; May 31.
Penholder and ink filler, Fountain. G. H. Koerner. 1,866,773; July 12.
Penholder and inkwell, Combined. S. S. and G. S. Tamburo. 1,862,988; June 14.
Penholder and statuette, Combination fountain. E. Kanter. Des. 86,526; Mar. 15.

Pen holding device for inkwells. C. Foti. 1,886,002; Nov. 1.
Pen, Machine ruling. R. A. Hickok. 1,850,931; Mar. 22.
Pen, Multicolor. O. Rese. 1,856,655; May 3.
Pen, Multicolor fountain. A. Beardsley. 1,875,553; Sept. 6.
Pen nibs, Making. J. E. Wahl, C. W. Gronemann, and A. N. Lungren. 1,867,932; July 19.
Pen, One-piece metal fountain. W. H. Pearce. 1,887,186; Nov. 8.
Pen or pencil holding device. J. A. Eubanks. 1,840,191; Jan. 5.
Pen or similar article, Fountain. J. N. Whitehouse. Des. 87,611; Aug. 16.
Pen-point. S. M. Sager. 1,876,151; Sept. 6.
Pen pressure bar, Fountain. H. K. Stempel. 1,852,094; Apr. 5.
Pen, Reservoir. T. Kovacs. 1,853,731; Apr. 12.
Pen, Ruling. H. Haff. 1,856,258; Nov. 1.
Pen section, Fountain. S. M. Sager. 1,858,307; Nov. 1.
Pen, Self-filling. J. A. Holland. 1,876,298; Sept. 6.
Pen, Self-filling fountain. G. Tibaldi. 1,892,369; Dec. 27.
Pen, Self inking fountain. F. Furedy. Re18,702; Dec. 20.
Pen, Self inking fountain. F. Furedy. 1,880,128; Sept. 27.
Pen sleeve, Desk set fountain. S. Nakahara. 1,868,505; July 26.
Pen support. J. Reix. 1,854,625; Apr. 19.
Pens, Attachment for drawing. C. M. Thomas. 1,852,944; Apr. 5.
Pens, Device for facilitating the filling of fountain. O. F. Nilsson and J. Bachrach. 1,853,316; Apr. 12.
Pens, Device for filling fountain. O. R. Terry. 1,854,814; Apr. 19.
Pens, Feed for fountain. L. H. Juster. 1,882,644; Oct. 11.
Pens, Reservoir attachment for. R. F. George. 1,844,354; Feb. 9.
Pencil. S. Allen. 1,856,013; Apr. 26.
Pencil. A. Bienenstein. Des. 86,297; Feb. 23.
Pencil. C. W. Boman. 1,886,371; Nov. 8.
Pencil. F. C. Deli. 1,879,736; Sept. 27.
Pencil. F. C. Deli and W. F. Foth. 1,848,608; Mar. 8.
Pencil. F. C. Deli, W. D. Groseclose, and W. F. Foth. 1,853,042; Apr. 12.
Pencil. H. E. Delvin. 1,849,914; Mar. 15.
Pencil. H. L. Fischer. Re18,392; Mar. 22.
Pencil. H. L. Fischer. 1,878,389; Sept. 20.
Pencil. D. Kahn. Des. 87,525; Aug. 9.
Pencil. D. Kahn. Des. 88,300; Nov. 15.
Pencil. I. Krutt. 1,883,741; Oct. 18.
Pencil. D. J. La France. 1,845,293; Feb. 16.
Pencil. A. Lamoglia. 1,849,936; Mar. 15.
Pencil. G. Larsen. Des. 85,944; Jan. 5.
Pencil. G. Larsen. 1,876,698; Sept. 13.
Pencil. G. Meyer. 1,882,967; Oct. 20.
Pencil. M. W. Peters. Des. 86,740; Apr. 12.
Pencil. H. I. Richards. 1,855,650; Apr. 26.
Pencil. W. G. Sanford, Jr. 1,868,951; July 26.
Pencil. F. Wagner. 1,890,873; Dec. 13.
Pencil and making pencils. C. Kaiser, sr. 1,854,905; Apr. 19.
Pencil and making the same, Lead. N. Gonzalez. 1,892,508; Dec. 27.
Pencil and pencil set. A. C. Bussey. 1,856,463; May 3.
Pencil, Drawing. K. Kreutzer. Des. 87,009–10; May 24.
Pencil, Illuminated. R. E. Turton. 1,878,431; Sept. 20.
Pencil lead Indicator. J. Bachrach. 1,865,171; Nov. 1.
Pencil, Light. G. Levene. 1,875,048; Aug. 30.
Pencil, Magazine. A. Fleming. 1,886,333; Nov. 1.
Pencil, Magazine. R. L. Goebel. 1,848,778; Mar. 8.
Pencil, Magazine. C. Hirth. 1,889,550; Nov. 22.
Pencil, Magazine. W. T. Maloney. 1,846,604; Feb 23.
Pencil, Magazine lead. A. Woolin. 1,866,072; July 5.
Pencil, Mechanical. A. Barsam. 1,864,038; June 21.
Pencil, Mechanical. I. Chesler. Des. 87,385; July 19.
Pencil, Mechanical. G. A. Cooper. 1,853,509; Apr. 12.
Pencil, Mechanical. E. D. Gurley. 1,892,345; Dec. 27.
Pencil, Mechanical. P. S. Hauton. Des. 87,262; June 28.
Pencil, Mechanical. P. S. Hauton. 1,853,560–1; Apr. 12.
Pencil, Mechanical. C. R. Keenan. 1,869,198; July 26.
Pencil, Mechanical. J. E. Kucher. 1,844,095; Feb. 9.
Pencil, Mechanical. J. Z. Savoie. 1,839,897; Jan. 5.
Pencil, Mechanical. J. W. Welsh. 1,849,200; Mar. 15.
Pencil, Mechanical lead. A. Woolin. 1,865,392; July 5.
Pencil, Multicolor. L. Caruana. 1,858,881; May 17.
Pencil or similar article. T. Malcolm. Des. 87,308; July 5.
Pencil pointer and cleaner. P. Retz. 1,841,208; Jan. 12.
Pencil pointer and refuse receptacle, Combination. H. Fosch. 1,863,874; June 21.
Pencil, Self-feed-magazine. J. M. Angeletti. 1,849,997; Mar. 15.
Pencil, Striping. B. L. Hill. 1,868,416; July 19.
Pencils and like instruments, Attachment for. L. J. Hyams. 1,859,775; May 24.
Pencils and the like, Process and apparatus for color-striping. H. W. Brewer. 1,875,700; Sept. 6.
Pencils, Attachment for. K. H. Ringler. 1,841,056; Jan. 12.
Pencils, Device for dispensing. F. H. Mix. 1,853,071; Apr. 12.
Pendent or similar article, School. R. Carter. Des. 87,658; Aug. 23.
Pendulum apparatus. J. Andre. 1,858,384; May 17.
Pendulum bank and climb indicator for aeroplanes. D. O. Johnson and W. W. Webster. 1,863,044; June 14.
Pendulum driving device for clocks, Electromagnetic. A. Wirz. 1,867,295; July 12.
Pendulum for measuring time. M. Schuler. 1,868,769; July 26.
Pentode tube. W. L. Krahl. 1,869,568; Aug. 2.
Perambulator. J. J. Powers. 1,890,469; Dec. 13.
Perch, Bird. T. J. Klein. 1,879,815; Sept. 27.
Perch for bird cages. J. P. Leindorf. 1,850,508; Mar. 22.
Percolator. G. H. S. McNair. 1,884,061; Oct. 25.
Percolator and the like, Coffee. J. F. Lamb. 1,857,554; May 10.
Percolator, Coffee. E. M. Mennicke. 1,884,070; Oct. 25.
Percolator construction. A. F. Fisher. 1,849,400; Mar. 15.
Percolator dome. O. Olsen. 1,875,648; Sept. 6.
Percolator, Electric. A. F. Larsen. Des. 87,722; Sept. 6.
Percolator, Electric. W. S. Marvin. Re18,564; Aug. 9.
Percolator steam lip. K. E. Porter. 1,841,150; Jan. 12.
Percolator top. W. H. Pierce. 1,886,723; Nov. 8.
Percolator, Washable electric coffee. W. L. Klug. 1,847,565; Mar. 1.
Percompounds which are decomposed by catalases upon animal or vegetable products, Enhancing the action of. G. Van der Lee. 1,866,412; July 5.
Percussion and rotary drill, Combination. J. A. Macdonell. 1,863,928; June 21.
Percussion firing mechanism, Electrically controlled. G. J. Schlad. 1,884,655; Feb. 9.
Percussion instrument. L. Sansone and C. Franco. 1,892,223; Dec. 27.
Percussive drill. A. W. Greve. 1,891,411; Dec. 20.
Perforating apparatus. H. G. Johnstone. 1,881,639; Oct. 11.
Perforating device. J. F. Gentry. 1,859,559; May 24.
Perforating machine. F. M. Carroll. 1,848,159; Mar. 8.
Perforating machine. C. W. Crumrine. 1,873,554; Aug. 23.
Perforating machine. P. Juul. 1,845,714; Feb. 16.
Perforating machine. G. Knight. 1,886,554; Nov. 8.
Perforating machine. W. O. Lasker. 1,840,515; Jan. 12.
Perforating machine. W. W. Lasker. 1,868,114; July 19.
Perforating machine. A. W. Mills. 1,882,859; Oct. 18.
Perforating machine. J. R. Peirce. 1,880,472; Oct. 4.
Perforating machine. R. G. Thompson and C. W. Crumrine. 1,873,511; Aug. 23.
Perforating machine or the like, Card. A. Thomas. 1,858,174; May 10.
Perforating mechanism for use in printing machines. A. M. Zuckerman. 1,883,239; Oct. 18.
Perforator. H. U. Baker. 1,839,459; Jan. 5.
Perforator. W. S. Jones. 1,967,840; July 19.
Perforator. W. B. Shonnard. 1,887,341; Nov. 8.
Perforator, Can. A. Manteufel. 1,878,956; Sept. 20.
Perforator, Double casing. D. L. Shull. 1,853,239; Apr. 12.
Perforator, Master. C. W. Crumrine. 1,852,202; Apr. 5.
Perfumes, Production of. G. Stemmig. 1,882,200; Oct. 11.
Permanent mold. M. Gruetz. 1,864,242; June 21.
Permanent wave baker. W. N. Vanatta. 1,853,587; Apr. 12.
Permanent wave clip. D. A. Kilroe. 1,848,484; Mar. 8
Permutation lock. M. H. Borzin. 1,887,797; Nov. 15.
Permutation lock. W. F. Foerster. 1,856,089; May 3.
Permutation lock. G. N. Hope. 1,845,021; Feb. 16.
Permutation lock. U. Piarroux. 1,857,399; May 10.
Permutation lock. E. B. Stone. 1,892,290; Dec. 27.
Permutation lock. R. K. Winning. 1,888,047; Nov. 22
Petrol and other organic liquids containing water, Treatment of. R. Lant. 1,876,326; Sept. 6.
Petroleum acid sludges, Treatment of. F. R. Moser and J. Gruetzner. 1,886,954; Nov. 8.
Petroleum and apparatus therefor, Recovering. F. A. Howard. 1,861,013; May 31.
Petroleum and natural gas, Process and apparatus for separating crude. W. McGraw and R. C. Adams. 1,860,896; May 31.
Petroleum, Apparatus for refining. L. H. Miles. 1,878,875; Sept. 20.
Petroleum, Apparatus for treating. C. P. Dubbs. 1,866,940; Nov. 1.
Petroleum, Cracking and processing. J. C. Black. 1,880,717; Oct. 4.
Petroleum distillates, Refining. L. P. Chebotaref. 1,872,679; Aug. 23.
Petroleum distillates, Treating cracked. R. C. Osterstrom and C. R. Wagner. 1,891,106; Dec. 13.
Petroleum distillates with aqueous phenol and recovery of the same, Purifying. R. K. Stratford and H. H. Moor. 1,877,61; Sept. 13.
Petroleum distillation system. H. W. How. 1,862,363; June 7.
Petroleum emulsions, Breaking. M. DeGroote. 1,842,934; Jan. 26.
Petroleum emulsions, Breaking. T. B. Wayne. 1,860,562; May 31.
Petroleum emulsions, Process of and reagent for treating. H. Heckel and W. T. Reddish. 1,872,286; Aug. 16.
Petroleum emulsions, Resolving. T. B. Wayne. 1,860,563; May 31.
Petroleum emulsions, Treating. J. M. Evans. 1,856,156; May 3.

Petroleum emulsions, Treating. J. Hyman and A. F. Schlandt. 1,860,248; May 24.
Petroleum hydrocarbons, Cracking. W. M. Cross. 1,845,959; Feb. 16.
Petroleum hydrocarbons, Cracking. A. M. Houghton. 1,868,418; July 19.
Petroleum hydrocarbons in the vapor phase, Treating. R. Cross. 1,859,028; May 17.
Petroleum hydrocarbons, Treating. R. Cross. 1,859,027; May 17.
Petroleum material, Treatment of. J. D. Fields. 1,864,687; June 28.
Petroleum oil, Dewaxing. E. F. Burch. 1,848,054; Mar. 1.
Petroleum oil, Process and apparatus for treating. R. Cross. 1,841,363; Jan. 19.
Petroleum oil, Treating. W. S. Baylis. 1,849,653; Mar. 15.
Petroleum oil, Treating. G. Egloff. 1,850,869; Mar. 22.
Petroleum oil, Treating. G. Egloff and H. P. Benner. 1,888,029; Nov. 15.
Petroleum oil, Treating. F. G. Graves. 1,867,697; July 19.
Petroleum oil, Treating. L. C. Huff. 1,843,153; Feb. 2.
Petroleum oil, Treating. L. C. Huff. 1,870,049; Aug. 2.
Petroleum oils, Method and apparatus for hydrogenation and distillation of low-sulfur. E. M. Clark. 1,870,792; Aug. 2.
Petroleum oils, Process and apparatus for cracking. C. P. Dubbs. 1,892,451; Dec. 27.
Petroleum oils, Purifying. D. E. Day. 1,867,908; July 19.
Petroleum oils, Rectifying. P. C. Keith, jr. 1,856,283; May 3.
Petroleum oils, Rectifying. P. C. Keith, jr. 1,883,934; Oct. 25.
Petroleum oils, Refining of. J. C. Morrell. 1,870,063; Aug. 2.
Petroleum oils, tar and the like, Process and apparatus for the catalytic cracking of. A. Joseph. 1,867,841; July 19.
Petroleum oils, Treating. J. C. Morrell. 1,847,409; Mar. 1.
Petroleum oils, Treating. G. C. Rowden. 1,845,723; Feb. 16.
Petroleum product and art of wood preservation. W. H. Hampton and B. B. Farrington. 1,873,582; Aug. 23.
Petroleum refining. E. A. Dickinson. 1,853,671; Apr. 12.
Petroleum refining apparatus. F. A. and J. A. Milliff. 1,854,184; Apr. 19.
Petroleum residuum, Distilling. H. V. Atwell. 1,856,801; May 3.
Petroleum smelting process. B. E. Crocker. 1,872,900; Aug. 23.
Petroleum tar. C. D. Read. 1,875,823; Sept. 6.
Petroleum, Treating. W. F. Bleecker. 1,862,952; June 14.
Petroleum, Treatment of crude. B. T. Brooks and T. T. Gray. 1,868,966; July 26.
Petroleums, Converting. C. P. Dubbs. 1,850,745; Mar. 22.
Phase multiplier and modulator. C. W. Hansell. 1,874,979; Aug. 30.
Phase shifting device. W. A. Knoop. 1,881,685; Oct. 11.
Phase system, Segregated. J. M. Brown. 1,851,152; Mar. 29.
Phenanthridone and making same. R. M. Heidenreich and P. Tust. 1,880,441; Oct. 4.
Phenol-aldehyde condensation products, Making. J. J. Kessler. 1,889,751; Dec. 6.
Phenol aldehyde condensation products, Producing oil soluble. F. Seebach. 1,844,824; Feb. 9.
Phenol-aldehyde condensation products, Purifying. F. Seebach. 1,894,446; Dec. 20.
Phenol-aldehyde resins, Purification of. F. Seebach. 1,868,079; July 19.
Phenol-aldehyde condensation products, Hardening. F. Seebach. 1,883,431; Oct. 18.
Phenol formaldehyde condensation products, Manufacture of. A. Ostersetzer and F. Riesenfeld. 1,858,168; May 10.
Phenols and pyridine from liquors, Removal and recovery of. W. R. Knapp. 1,878,927; Sept. 20.
Phenols and pyridine liquors, Elimination of. S. P. Miller. 1,873,901; Aug. 23.
Phenols from gas liquor, Removing. W. Tiddy. 1,878,979; Sept. 20.
Phenols from phenolic tar oils, New process for extracting. E. Perilhou. 1,861,357; May 31.
Phenols from waste and other liquids, Removal of. S. P. Miller. 1,873,900; Aug. 23.
Phenols, Manufacture of polyhydroxy. T. S. Carswell. 1,856,690; May 3.
Phenols, Manufacture of. W. J. Hale and J. W. Britton. 1,882,824; Oct. 18.
Phenols, Manufacture of. W. J. Hale and E. C. Britton. 1,882,826; Oct. 18.
Phenols, Production of alkylated. W. Schoeller, H. Jordan, and W. Linde. 1,848,665; Mar. 8.
Phenylglycine and product thereof, Treating. J. F. Walt. 1,863,735; June 21.
Phenylene-disazo-bismeta-phenylene-diamine, Purified. I. Ostromislensky. 1,867,587; July 19.
Phenyl phenate product, Hydrated. W. H. Williams. 1,878,082; Sept. 20.

Phenylphenols, Separating. E. C. Britton and F. Bryner. 1,885,176; Nov. 1.
Phenylphenols, Separating. E. C. Britton and F. Bryner. 1,887,227; Nov. 8.
Phenyl-phenols, Separation of. E. C. Britton and F. Bryner. 1,843,706; Feb. 2.
Phlebotomy gun. A. C. Morrow. 1,845,930; Feb. 16.
Phonograph. R. V. Barrows. 1,865,550; July 5.
Phonograph. J. Begovich y Garcia. 1,866,405; July 5.
Phonograph. J. W. Bishop. 1,888,652; Nov. 22.
Phonograph. A. D. Bodine. 1,876,273; Sept. 6.
Phonograph. R. R. Erbe. 1,840,660; Jan. 12.
Phonograph. R. R. Erbe. 1,872,707; Aug. 23.
Phonograph. F. C. Hinckley. 1,853,210; Apr. 12.
Phonograph. N. H. Holland. 1,842,550; Jan. 26.
Phonograph. G. S. Holly. 1,881,583; Oct. 11.
Phonograph. L. E. Johnson. A. B. Winchell, F. W. Hardick, and F. W. Billig. 1,879,291; Sept. 27.
Phonograph. T. E. Piazze. 1,881,967; Oct. 11.
Phonograph. A. Rapisardi. 1,856,428; May 3.
Phonograph. R. Roberts. 1,886,228; Nov. 1.
Phonograph. F. J. Seabolt. 1,855,156–7; Apr. 19.
Phonograph. J. P. Stockton. 1,873,358; Aug. 23.
Phonograph and the like. A. V. Bodine. 1,866,288; July 5.
Phonograph attachment. L. G. Larsen. 1,860,104; May 24.
Phonograph attachment for moving picture machines. H. S. Byrd. 1,841,937; Jan. 19.
Phonograph, Automatic. R. B. Bryant. 1,880,760; Oct. 4.
Phonograph, Automatic. W. H. Daily. 1,885,005–6; Oct. 25.
Phonograph, Automatic. T. W. Small. 1,854,960; Apr. 19.
Phonograph, Automatic. T. W. Small. 1,872,835; Aug. 23.
Phonograph clutch. V. L. Frykman. 1,892,269; Dec. 27.
Phonograph control. A. F. Van Dyck. 1,872,366; Aug. 16.
Phonograph-dictaphone communication apparatus. G. R. Cooper. 1,857,438; May 10.
Phonograph electrical reproducer. A. Merkel and R. R. Halpenny. 1,856,922; May 3.
Phonograph, Multiple turntable. M. H. Loughridge. 1,877,625; Sept. 13.
Phonograph pick-up, Electric. W. H. Hutter. 1,846,871; Feb. 23.
Phonograph record. A. M. Acheson and G. Ramsey. 1,881,110; Oct. 4.
Phonograph record. A. V. Bodine. 1,851,659; Mar. 29.
Phonograph record. E. L. Bowles. 1,863,683; June 21.
Phonograph record. A. A. McMann. 1,875,086; Aug. 30.
Phonograph record. H. J. Quigley. 1,855,609; Apr. 26.
Phonograph record. E. Sturgis, jr. 1,877,079; Sept. 13.
Phonograph record, Paper roll. J. Weinberger. 1,871,761; Aug. 16.
Phonograph record turntable. J. J. Kuhn. 1,874,550; 1,866,403; July 5.
Phonograph record and reproducer arm. L. A. Elmer. 1,866,403; July 5.
Phonograph records and other articles, Apparatus for storing, recording, selecting and delivering. V. W. Longford. 1,840,728; Jan. 12.
Phonograph records, Making. W. W. McLaren. 1,849,014; Mar. 8.
Phonograph records, Mechanism for reversing and removing. M. B. Smith. 1,839,507; Jan. 5.
Phonograph records playing machine. S. Zullo. 1,853,650; Apr. 12.
Phonograph, Repeating. C. L. Ferguson. 1,888,660; Nov. 22.
Phonograph, Sound-on-film. L. De Forest. 1,859,435; May 24.
Phonographic diaphragm device, Recording and reproducing. A. A. Pentecudo. 1,848,973; Mar. 8.
Phonographic needles, Device for automatically changing. J. Matsusaki. 1,869,907; Aug. 2.
Phonographic record. C. Jäger. 1,859,396; May 24.
Phonographic street announcer for vehicles. R. Phillips. 1,845,763; Feb. 16.
Phonographs, Electric pickup for. H. Wiener. 1,881,109; Oct. 4.
Phonographs, Repeating apparatus. J. W. Ashworth. 1,855,173; Apr. 26.
Phosphate fertilizer, Ammoniation of. B. Ober and E. H. Wight. 1,880,469; Oct. 4.
Phosphate, Production of monopotassium. W. Schuppe. 1,865,968; July 5.
Phosphate, Tri-diphenyl. E. C. Britton. 1,858,659; May 17.
Phosphate with two molecules of water of crystallization, Production of a di-sodium. A. Reimann. 1,865,588; July 5.
Phosphates and phosphoric acid, Manufacture of. L. Adelantano. 1,878,997; Sept. 27.
Phosphates, Decomposition of crude. O. Balz and W. Wagner. 1,869,879; Aug. 2.
Phosphates, Manufacture of triaryl. C. N. Hand and G. N. Magoun. 1,866,852; July 12.
Phosphates, Manufacturing triaryl. W. P. ter Horst. 1,840,335; Jan. 12.
Phosphates, Preparation of aryl. F. Bryner. 1,856,862; May 3.
Phosphates, Producing calcined. F. Rothe and H. Brenek. 1,880,491; Oct. 4.

Phosphates, Producing mixtures of mono-calcium and di-calcium. F. C. and F. Palazzo. 1,851,210; Mar. 29.
Phosphates, Production of alumina and alkali. H. Huber. 1,845,876; Feb. 16.
Phosphates, Production of ammonium. J. Gullissen. 1,879,204; Sept. 27.
Phosphates, Production of. Conway, B. v. G., H. Weldmann, and G. Roesner. 1,890,204; Dec. 6.
Phosphates, Treatment of calcined. H. H. Meyers. 1,846,347; Feb. 23.
Phosphatic fertilizers, Production of. B. Ober and E. H. Wight. 1,880,470; Oct. 4.
Phosphatic materials, Reduction of. W. H. Waggaman and S. D. Gooch. 1,867,239; July 12.
Phosphatic material, Treatment of. S. D. Gooch. 1,888,919; Nov. 22.
Phosphorescent or luminous masses or compounds. H. M. Mines. 1,891,827; Dec. 20.
Phosphoric acid and hydrogen, Production of. W. N. Ipatieff. 1,848,202; Mar. 8.
Phosphorus and compounds thereof, Manufacture of. W. H. Waggaman and H. W. Easterwood. 1,841,071; Jan. 12.
Phosphorus and phosphoric acid, Production of. W. H. Waggaman and S. D. Gooch. 1,888,896; Nov. 22.
Phosphorus compounds, Preparation of. E. C. Britton and H. R. Slagh. 1,888,713; Nov. 22.
Phosphorous containing furnace gases, Handling. H. F. Noyes. 1,875,755; Sept. 6.
Phosphorus-halogen compounds, Obtaining. H. C. J. H Gelissen. 1,884,656; Oct. 25.
Phosphorus, Oxidizing. S. D. Gooch and W. H. Waggaman. 1,879,189; Sept. 27.
Phosphorus pentoxide, Pulverulent. W. S. Calcott. 1,884,558; Oct. 25.
Phosphorus, Preparation of pentasulphide of. P. Dutoit. 1,852,959; Apr. 5.
Phosphorus, Production of. R. Weigel. 1,867,241; July 12.
Phosphorus, Protection of. W. H. Waggaman, S. D. Gooch, and F. P. Kirschbaum. 1,880,538; Oct. 4.
Photocell compensating device. G. B. Scheibell. 1,886,125; Nov. 1.
Photochemical radiations, Process and apparatus for producing. R. Spitaller. 1,880,333; Oct. 4.
Photo-composing machine. A. T. Koppe. 1,855,356; Apr. 26.
Photocomposing machine. A. T. Koppe. 1,865,262; June 28.
Photo-electric device for classifying laundry materials. L. S. Ellwerty, jr. 1,872,258; Aug. 16.
Photo electric system. E. H. Greibach. 1,839,217; Jan. 5.
Photo-electric tube. F. A. Berg and W. W. Harper. 1,889,431; Nov. 29.
Photo-electric tube. P. H. Brace. 1,871,357; Aug. 9.
Photo-electric tube. H. H. Geffcken and H. R. Richter. 1,885,819; Nov. 1.
Photo-electric tube. H. E. Ives. 1,841,033; Jan. 12.
Photo-electric tube. J. Johnston. 1,852,803; Apr. 5.
Photo-electric tube. P. H. MacNeil. 1,871,626; Aug. 16.
Photo-electric tube. A. J. McMaster and C. E. Parson. 1,859,342; July 26.
Photo-electric tube. H. F. Mesick, jr. 1,843,728; Feb. 2.
Photo-electric tube. H. C. Rentschler. 1,871,280; Aug. 9.
Photo-electric tube. Rentschler. 1,884,285; Oct. 25.
Photo-electric tubes, Manufacture of. N. R. Campbell. 1,870,280; Aug. 9.
Photo folder and support, Combined. F. J. Kellermeier. 1,839,763; Jan. 5.
Photogoniometer. M. R. Pierce. 1,839,893; Jan. 5.
Phot graphic aerial surveys, Apparatus for use in connection with. A. C. V. Aldis. 1,858,353; May 17.
Photographic apparatus, J. C. Arnold. 1,840,556; Jan. 12.
Photographic apparatus. T. W. Case. 1,865,055; June 28.
Photographic apparatus. G. H. Hess. 1,852,967; Apr. 5.
Photographic apparatus. B. E. Luboshez. 1,855,112; Apr. 19.
Photographic apparatus. E. Weisker. 1,858,423; May 17.
Photographic background. C. W. Bhosys. 1,867,800; July 19.
Photographic baths, Method of and apparatus for treating. C. E. Balassa. 1,876,830; Sept. 13.
Photographic bleaching-out layer. B. Wendt and A. Frohlich. 1,850,220; Mar. 22.
Photographic bleaching-out layers, Fixing. B. Wendt and H. Bruer. 1,871,890; Aug. 16.
Photographic developer. G. Reddelien and W. Müller. 1,853,455; Apr. 12.
Photographic developer for use at high temperatures. L. E. Mueller. 1,857,515; May 10.
Photographic developer tank liquid circulating system. M. H. Daniels and J. A. Slack. 1,869,094; July 26.
Photographic developers, Testing. I. H. Parsons. 1,864,091; June 21.
Photographic developing apparatus. G. C. Beidler. 1,889,818; Dec. 6.
Photographic developing apparatus. J. Jerzykowski. 1,854,335; Apr. 19.
Photographic developing method and apparatus. J. S. Greene. 1,890,325 Dec. 6.
Photographic element overcoated with a screening die. C. E. K. Mees. 1,878,961; Sept. 20.
Photographic emulsion. L. G. S. Brooker. 1,861,886; June 7.
Photographic emulsions, Making. R. H. Lambert. 1,844,716; Feb. 9.
Photographic exposing and developing apparatus. A. W. Caps. 1,875,215; Aug. 30.
Photographic exposure meter. G. E. Osborne. 1,858,340; May 17.
Photographic film hanger. H. Gollomb. 1,854,981; Apr. 19.
Photographic gelatine layer. J. Brunken. 1,870,354; Aug. 9.
Photographic images, Modifying. A. W. Cornell. 1,892,099; Dec. 27.
Photographic images, Obtaining. E. Gay. 1,841,801; Jan. 19.
Photographic machine, Color. M. DeFrancisco. 1,873,302; Aug. 23.
Photographic mapping, Aerial. I. Boer. 1,848,558; Mar. 8.
Photographic mount. J. MacLaurin. 1,858,405; May 17.
Photographic negatives, Reversing. V. B. Sease. 1,857,089; May 3.
Photographic objective. F. E. Altman. 1,880,393–4; Oct. 4.
Photographic objective. F. W. Gehrke. 1,860,575; May 31.
Photographic plates or films, Drying. A. Murray. 1,849,244; Mar. 15.
Photographic positives, Making colored. A. R. Lawshe. 1,871,622; Aug. 16.
Photographic print. W. R. Whitehorne. 1,868,085; July 19.
Photographic print glazing machine. G. M. Dye. 1,876,046; Sept. 6.
Photographic print handling apparatus. J. S. Greene. 1,877,659; Sept. 13.
Photographic print treating method and apparatus. G. M. Dye. 1,865,682; July 5.
Photographic printing. G. A. Mitchell. 1,875,751; Sept. 6.
Photographic printing and trimming machine. M. Weiner. 1,861,992; June 7.
Photographic printing apparatus. F. Tuttle. 1,880,596; Oct. 4.
Photographic printing apparatus. H. Uyttenbroeck. 1,871,844; Aug. 16.
Photographic printing machine. R. S. Hopkins. 1,878,702; Sept. 20.
Photographic printing machine. A. S. Howell. 1,863,051; June 14.
Photographic printing machine. A. S. Howell. 1,865,657; June 28.
Photographic printing machine. J. J. Maresh. 1,881,791; Oct. 11.
Photographic printing process. G. Kögel. 1,843,822; Feb. 2.
Photographic printing process. F. J. Shepherd and F. F. Hancock. 1,891,174; Dec. 20.
Photographic prints, Apparatus for washing. J. C. Reid, jr. 1,882,903; Oct. 18.
Photographic prints or negatives, Apparatus for and method of handling. W. J. Williams. 1,863,132; June 14.
Photographic process and auxiliary elements therefor. V. Ernst. 1,849,036; Mar. 8.
Photographic recorder. E. C. Erickson. 1,880,942; Oct. 4.
Photographic recording and reproducing of sound, Apparatus for the. D. O. Whelan. 1,844,708; Feb. 9.
Photographic recording machine. R. S. Hopkins. 1,861,859; June 7.
Photographic reproduction apparatus. M. Z. von Teschenbruck. 1,841,229; Jan. 12.
Photographic sensitometer. A. B. Doran. 1,883,884; Oct. 25.
Photographic shutter. Á. Baréyi. 1,843,265; Feb. 2.
Photographic shutter. A. Baréyi. 1,848,926; Mar. 8.
Photographic shutter. Á. Baréyi. 1,856,308; May 3.
Photographic shutter. Á. Baréyi. 1,861,256–7; May 31.
Photographic shutter. Á. Baréyi. 1,865,078; June 28.
Photographic shutter. L. Goldhammer. 1,848,523; Mar. 8.
Photographic shutter. W. A. Riddell. 1,849,249; Mar. 15.
Photographic sound records, Preparation of. D. T. Bentley. 1,844,890; Feb. 9.
Photographic strip feeding mechanism. R. H. Ranger. 1,867,172; July 12.
Photographic three-lens objective. R. Richter. 1,892,162; Dec. 27.
Photographic three-lens objective. W. Merté and E. Wandersleb. 1,849,681; Mar. 15.
Photographic transparencies for printing, Production of. A. Lufton. 1,850,603; Mar. 15.
Photographing and film treating apparatus. G. C. Beidler. 1,847,809; Mar. 1.
Photographing apparatus. G. C. Beidler. 1,859,258; May 17.
Photographing apparatus, Automatic. B. B. Rochestie and W. H. Jaeger. 1,846,571; Feb. 23.
Photographing apparatus, Cinematographic. T. M. E. B. de Trey. 1,840,227; Jan. 5.
Photographing apparatus for duplex films. G. C. Beidler. 1,882,111; Oct. 11.

Photographing equipment. F. Piraino. 1,853,995 ; Apr. 12.
Photographing machine, Automatic. D. A. McCowan. 1,862,190 ; June 7.
Photographs, Producing composite. W. V. and W. W. Kelley. 1,859,589 ; May 24.
Photographs, Reproducing. R. M. Sutphen. 1,844,079 ; Feb. 9.
Photographs with sound accompaniment, Producing composite. C. H. Dunning. 1,858,767 ; May 17.
Photography. E. A. Sutcliffe. 1,866,866 ; July 12.
Photography and cinematography, Color. E. L. Groc. 1,847,829 ; Mar. 1.
Photography and cinematography in natural colors, Apparatus for. R. Hoyer. 1,862,737 ; June 21.
Photography and cinematography, Objective device for multicolor. J. A. Rienast. 1,843,642 ; Feb. 2.
Photography, Color. T. T. Baker. 1,860,218 ; May 24.
Photography, Color. P. D. Brewster. 1,860,525 ; May 31.
Photography, Color. L. Dufay. 1,848,998 ; Mar. 8.
Photography, Color. F. Favour. 1,861,911 ; June 7.
Photography, Color. C. L. Finlay. 1,852,131–2 ; Oct. 11.
Photography, Color. J. B. Harris, jr. 1,848,714 ; Mar. 8.
Photography, Color. J. B. Harris, jr. 1,865,186 ; June 28.
Photography, Color. F. A. Rickard. 1,845,519 ; Feb. 16.
Photography, Color. A. Schustek and C. L. Treleaven. 1,845,062 ; Feb. 16.
Photography, Color. W. T. Tarbin. 1,871,478–9 ; Aug. 16.
Photography employing frequency modulation, System of. W. H. Holden and R. K. Bonell. 1,865,826 ; Nov. 1.
Photography, Stereoscopic. L. F. Savage. 1,871,281 ; Aug. 9.
Photography to the recording of the reading of meters or registers in telephone exchanges, Application of. G. F. Burwood. 1,847,590 ; Mar. 1.
Photography, Three-color. T. T. Baker. 1,867,301 ; July 12.
Photography with bi-packs, Multicolor. J. A. Ball. 1,859,030 ; Nov. 29.
Photogravure cylinder and the like, Preparation of. E. S. Ballard. 1,841,274 ; Jan. 12.
Photo mechanical machine. D. V. Mazzocco. 1,885,532 ; Nov. 1.
Photomechanical reproduction from half tones or line negatives. A. Murray. 1,861,872 ; June 7.
Photophotogram, Method of and apparatus for making. S. A. ; son Berglund. 1,889,627 ; Nov. 29.
Photoprints, Apparatus for developing. E. Siemers. 1,849,985 ; Mar. 15.
Photo-sensitive bodies, Treating. C. Roehrich. 1,840,529 ; Jan. 12.
Photo sensitive device. J. W. Dawson. 1,877,279 ; Sept. 13.
Photo tube and an amplifier, Combination of a. H. Iams and V. K. Zworykin. 1,883,926 ; Oct. 25.
Photovoltaic cell. Wein. 1,887,531 ; Nov. 15.
Phthalic anhydride, Granulated. L. C. Daniels and C. J. Schwindt. 1,891,754 ; Dec. 20.
Phthalic anhydride, Production of halogenated. C. Shaw and J. Thomas. 1,891,843 ; Dec. 20.
Phthalide, Purification of. A. O. Jaeger. 1,889,961 ; Dec. 6.
Pianette. D. Miller. 1,891,268 ; Dec. 20.
Piano. W. G. Getz. 1,886,864 ; Nov. 8.
Piano. F. J. W. Weiser. 1,892,296 ; Dec. 27.
Piano accordion, Pedal. S. Sater. 1,882,960 ; Oct. 18.
Piano action. C. E. Cameron, jr. 1,866,152 ; July 5.
Piano action, Grand. B. J. Neill. 1,884,812 ; Oct. 25.
Piano action, Grand. M. Richtsteig. 1,849,954 ; Mar. 15.
Piano action, Plectrum. G. Casciotta. 1,849,974 ; Mar. 15.
Piano, Electrical sostenuto. S. Cooper. 1,846,629 ; Feb. 23.
Piano, Electrical sostenuto. S. Cooper. 1,884,578 ; Oct. 25.
Piano hammer forming machine. W. J. Pfriemer. 1,879,464 ; Sept. 27.
Piano harp, Electric. J. Bethenod. 1,865,428 ; July 5.
Piano instruction device. G. O. Pierce. 1,889,418 ; Nov. 29.
Piano key action. C. N. Hickman. 1,866,707 ; July 12.
Piano keyboards, Attachment for. H. Hon and H. H. Shumaker. 1,865,370 ; June 28.
Piano loud speaker. E. W. Scherr, jr. 1,856,730 ; May 3.
Piano string-frame. S. Weber. 1,867,788 ; July 19.
Pick, Demolishing. E. C. Gartin. 1,884,033 ; Oct. 25.
Pick, Ice. C. Lorber. 1,863,801 ; June 21.
Pick, Weeding. H. Breen. 1,865,671 ; July 5.
Picker : *See*—
Avocado picker. Loom picker.
Bean picker. Package picker.
Corn picker. Potato picker.
Cotton picker. Prune picker.
Cranberry picker. Stitch picker.
Fruit picker.
Picker for looms. R. Schroeder. 1,852,824 : Apr. 5.
Picker mechanism. K. M. Van Rensselaer and H. R. Swanson. 1,884,406 ; Oct. 25.
Picker spindle. R. G. Turner. 1,873,162 ; Aug. 23.
Picker stick check. V. Lindsey. 1,880,096 ; Sept. 27.
Pickers, Mechanism for trimming. W. B. Collum. 1,877,812 ; Sept. 20.
Picking and tamping device. F. Gettelman. 1,841,802 ; Jan. 19.
Picking table. F. P. Hoffsinger. 1,867,522 ; July 12.
Pickles, Preparing. E. A. Hey. 1,845,748 ; Feb. 16.
Pickling apparatus. H. C. Allman and W. L. Davis. 1,850,488 ; Mar. 22.
Pickling apparatus. W. J. Braddock and C. W. Haller. 1,858,431 ; May 17.
Pickling apparatus. W. J. Braddock, G. Bruhn, and C. W. Haller. 1,880,751 ; Oct. 4.
Pickling apparatus. F. Haum. 1,859,086 ; May 17.
Pickling apparatus. L. Lee. 1,886,819 ; Nov. 8.
Pickling apparatus. S. L. Williams. 1,881,157 ; Oct. 4.
Pickling apparatus, Continuous. R. M. Fenton. 1,862,371 ; June 7.
Pickling, Apparatus for. J. D. Williams. 1,853,888 ; Apr. 12.
Pickling apparatus for rods, tubes, and bars. C. W. Haller. 1,859,085 ; May 17.
Pickling machine, Rotary. F. J. Wood. 1,876,440 ; Sept. 6.
Pickling tank. C. Shriver. 1,856,734 ; May 3.
Pick-up. J. Clove. 1,891,748 ; Dec. 20.
Pick-up. E. E. Wickersham. 1,885,971 ; Nov. 1.
Pick-up and release device for aircraft. G. A. Ricks. 1,885,765 ; Nov. 1.
Pick-up apparatus for magnetic films. T. H. Nakken. 1,882,326 ; Oct. 11.
Pick-up arm. J. Raber. 1,881,942 ; Oct. 11.
Pick-up arm. H. A. Yeider. 1,844,623 ; Feb. 9.
Pick-up device for screws and the like. F. H. Dellaree. 1,866,880 ; July 12.
Pick-up, Electric-magnetic. H. Sachs. 1,870,205 ; Aug. 2.
Pick-up for air mail exchange. R. Haybeck. 1,856,848 ; May 3.
Pick-up jack. J. C. McKinzie. 1,843,515 ; Feb. 2.
Pick-up mechanism for combines and the like. E. D. Richardson. 1,865,637 ; June 21.
Picot top for hosiery, Flat ribbed. G. E. Fichtner. 1,854,400 ; Apr. 19.
Pictorial display apparatus. G. W. Eschenbach. 1,863,623 ; June 21.
Pictorial representation from a pattern in relief, Producing a flat. E. Hermann. 1,878,138 ; Sept. 20.
Picture. E. V. Myers. 1,858,786 ; May 17.
Picture and frame construction. J. F. Coates. 1,865,888 ; July 5.
Picture and like frame. H. Herzogenrath and H. Tiaden. 1,859,511 ; May 24.
Picture and producing the same, Photographic film. O. Bornhauser. 1,886,266 ; Nov. 1.
Picture and sound reproducing apparatus, Motion. F. H. Owens. 1,858,555 ; May 17.
Picture apparatus, Motion. W. F. Alder. 1,850,615 ; Mar. 22.
Picture apparatus, Motion. R. S. Bowen and J. E. Ewan. 1,876,845 ; Sept. 13.
Picture apparatus, Motion. F. L. Brown. 1,880,406 ; Oct. 4.
Picture apparatus, Motion. L. W. Chubb. 1,879,793 ; Sept. 27.
Picture apparatus, Motion. C. J. Craig and J. E. Nielsen. 1,874,908 ; Aug. 30.
Picture apparatus, Motion. L. A. Elmer. 1,852,745 ; Apr. 5.
Picture apparatus, Motion. A. N. Merle. 1,868,331 ; July 19.
Picture apparatus, Motion. K. A. Oplinger and W. O. Osbon. 1,873,016 ; Aug. 23.
Picture apparatus, Motion. H. Pfannenstiehl. 1,848,143 ; Mar. 8.
Picture apparatus, Motion. R. W. Pittman. 1,860,949 ; May 10.
Picture apparatus, Moving. K. O. Leon. 1,857,559 ; May 10.
Picture apparatus, Moving talking. E. I. Sponable. 1,851,117 ; Mar. 29.
Picture apparatus, Self threading motion. H. C. Wellman. 1,878,215 ; Sept. 20.
Picture apparatus, Talking. H. E. Chipman. 1,845,236 ; Feb. 16.
Picture apparatus, Talking motion. L. de Forest. 1,843,972 ; Feb. 9.
Picture apparatus, Talking motion. C. H. Seaholm. 1,882,303 ; Oct. 11.
Picture attachment for moving picture machines, Sound. V. A. Schoenberg. 1,888,293 ; Nov. 22.
Picture attachment, Talking motion. L. De Forest. 1,885,960 ; Nov. 1.
Picture distorting apparatus. C. J. Hirsch and A. D. Trenor. 1,844,162 ; Feb. 9.
Picture distorting apparatus. A. D. Trenor. 1,855,370 ; Apr. 26.
Picture effects, Apparatus for producing moving. H. M. Laxer. 1,888,861 ; Nov. 22.
Picture film, Temp indicating motion. M. Fleischer. 1,887,925 ; Nov. 15.
Picture film treating apparatus, Motion. R. G. Fear. 1,891,225 ; Dec. 20.
Picture frame. P. E. Deal. Des. 87,960 ; Oct. 18.
Picture frame. F. Long. 1,857,866 ; May 10.
Picture frame. W. C. Schults and M. Holzer. 1,884,290 ; Oct. 25.
Picture frame. R. Singer and O. J. Agnini. 1,892,014 ; Dec. 27.

Picture frame. W. M. Stockman. 1,882,236; Oct. 11.
Picture hook. M. Blumenthal. 1,858,875; May 17.
Picture machine, Moving. R. Decaux. 1,856,541; May 3.
Picture machine, Moving. D. E. Gilmore. 1,849,668; Mar. 15.
Picture machines, Movable aperture plate for motion. A. Dina. 1,866,549; July 12.
Picture or mirror frame. J. Raskin. 1,845,680; Feb. 16.
Picture photography, Securing synchronization in taking motion. L. de Forest. 1,888,910; Nov. 22.
Picture printer, Sound. F. E. Garbutt and T. M. Ingman. 1,824,136; Oct. 6.
Picture projecting and sound reproducing machine. L. M. Corcoran. 1,858,485; May 17.
Picture projecting apparatus, Motion. J. Tavani. 1,874,241; Aug. 30.
Picture projecting machine and continuous film feed reel therefor, Motion. B. Steckhart. 1,837,664; Nov. 15.
Picture projecting machine, Motion. R. A. Clapp. 1,844,561; Feb. 9.
Picture projecting machine, Motion. L. A. Doolittle. 1,844,946; Feb. 16.
Picture projecting machine, Moving. C. Forberg. 1,849,664; Mar. 15.
Picture projecting machines, Attachment for motion. J. N. Williams. 1,840,926; Jan. 12.
Picture projection apparatus, Moving. K. Morsbach. 1,891,683; Dec. 20.
Picture projection machine. J. H. Goldberg. 1,891,473; Dec. 20.
Picture projection machines, Adjustable aperture formation. A. Dina. 1,863,366; June 14.
Picture projection machines, Heat resistant shutters for motion. A. Dina. 1,847,642; Mar. 1.
Picture projection, Method of and apparatus for motion. F. R. Moulton. 1,860,943; May 31.
Picture projector and sound reproducing apparatus, Combined motion. F. H. Owens. 1,854,219; Apr. 19.
Picture projector and sound reproducing machine, Combined motion. J. E. Cohen, H. Godoy, and R. Michling. 1,869,882; Aug. 2.
Picture projector, Motion. E. S. Carpenter. Des. 88,072; Oct. 25.
Picture projector, Motion. A. Gastonguay and G. Puller. 1,881,469; Oct. 11.
Picture projector, Motion. N. B. Green. 1,846,004; Feb. 16.
Picture projector, Motion. H. L. Kitts. 1,863,309; June 14.
Picture projector, Motion-. H. C. Wellman. 1,845,402; Feb. 16.
Picture projector, Moving. H. Hoover. 1,839,315; Jan. 5.
Picture projector, Moving. H. J. Templeton. 1,861,197; May 31.
Picture projector, Talking. E. J. Hadley. 1,876,668; Sept. 13.
Picture projector, Talking motion. R. P. May. 1,871,716; Aug. 16.
Picture projectors, Combined focus and image placement adjustment means for moving. A. J. Holman. 1,857,152; May 10.
Picture projectors, Focusing device for motion. J. F. Adams. 1,847,856; Mar. 1.
Picture projectors, Framing means for motion. E. J. Hadley. 1,876,413; Sept. 6.
Picture projectors, Winding and rewinding mechanism for. H. C. Schlicker. 1,843,650; Feb. 2.
Picture receiving apparatus. C. J. Young. 1,848,862; Mar. 8.
Picture reel, Motion. O. A. Ross. 1,861,882; June 7.
Picture reel, Moving. L. B., N., W., and J. M. Goldberg. 1,858,586; May 17.
Picture reels, Film attaching means for motion. H. W. Hoskins and C. A. Hasslacher. 1,847,945; Mar. 1.
Picture reproducing device for television. L. Tschörner. 1,888,893; Nov. 22.
Picture scanning and assembling device for television and picture transmission. F. Von Okollesany and G. Wiktenhamer. 1,887,472; Nov. 8.
Picture scanning system. H. Lux. 1,852,784; Apr. 5.
Picture screen, Motion. C. W. Ebeling. 1,860,323; May 24.
Picture screen, Motion. H. D. North. 1,891,603; Dec. 20.
Picture screen, Motion. A. L. Raven. 1,850,279; Oct. 4.
Picture screen, Motion. A. L. Raven. 1,846,357; Feb. 23.
Picture screen, Motion. A. L. Raven. 1,852,888; Apr. 5.
Picture screen, Moving. B. DeGeronimi. 1,892,424; Dec. 27.
Picture screen, Non-glare moving. A. B. Hurley. 1,868,834; July 26.
Picture, sign, mirror, and the like. B. C. Place. 1,842,285; Jan. 19.
Picture sound apparatus, Motion. C. A. Hoxie. 1,855,884; Apr. 26.
Picture, Stereoscopic motion. A. Herz. 1,851,705; Mar. 29.
Picture system, Sound. S. C. Chapman. 1,888,220; Nov. 22.
Picture system, Talking motion. H. C. Harrison. 1,847,181; Mar. 1.
Picture system, Talking moving. D. K. Gannett. 1,850,130; Mar. 22.
Picture telegraph apparatus. R. Schmook. 1,857,745; May 10.
Picture telegraphy receiver, Chemical. F. Doring and P. Storch. 1,857,126; May 10.
Picture transmission. E. F. W. Alexanderson. 1,857,130; May 10.
Picture transmission. A. V. Bedford. 1,849,818; Mar. 15.
Picture transmission. R. D. Kell. 1,849,839; Mar. 15.
Picture transmission. R. H. Ranger. 1,857,329–30; May 10.
Picture transmission. F. Schroter. 1,875,940; Sept. 6.
Picture transmission. F. Tuczek. 1,892,371; Dec. 27.
Picture transmission apparatus. E. F. W. Alexanderson. 1,866,338; July 5.
Picture transmitting apparatus. E. C. Ballentine. 1,854,014; Apr. 12.
Picture viewing screen, Relief. H. Hall. 1,882,829; Oct. 18.
Picture winding apparatus, Motion. F. H. Owens. 1,844,676; Feb. 9.
Pictures and manner of viewing same, Making relief. H. E. Ives. 1,882,424; Oct. 11.
Pictures and the like, Arrangement for the telegraphic transmission of. F. Döring and R. Schmook. 1,851,645; Mar. 29.
Pictures and the like, Transmission of motion. W. Malm. 1,842,759; Jan. 26.
Pictures, Animated motion. N. H. Mann. 1,869,904; Aug. 2.
Pictures and manner of viewing same, Making relief. H. E. Ives. 1,882,424; Oct. 11.
Pictures and the like, Arrangement for the telegraphic transmission of. F. Döring and R. Schmook. 1,851,645; Mar. 29.
Pictures and the like, Transmission of motion. W. Malm. 1,842,759; Jan. 26.
Pictures, Animated motion. N. H. Mann. 1,869,904; Aug. 2.
Pictures and manner of viewing same, Making relief. H. E. Ives. 1,882,424; Oct. 11.
Pictures and the like, Arrangement for the telegraphic transmission of. F. Döring and R. Schmook. 1,851,645; Mar. 29.
Pictures and the like, Transmission of motion. W. Malm. 1,842,759; Jan. 26.
Pictures, Animated motion. N. H. Mann. 1,869,904; Aug. 2.
Pictures, Apparatus and method for electrical transmission of. G. S. Vernam, E. F. Watson, and D. B. Perry. 1,891,072; Mar. 28.
Pictures, Apparatus for projecting motion. E. Keen. 1,874,193; Aug. 30.
Pictures, Apparatus for taking and projecting motion. E. Keen. 1,875,244; Aug. 30.
Pictures, Automatic apparatus for taking cinematographic. J. Bogopolsky. 1,876,392; Sept. 6.
Pictures, Fixing bleaching-out. B. Wendt and H. Bincer. 1,850,162; Mar. 22.
Pictures, Framing. P. Dieterle. 1,881,046; Oct. 4.
Pictures, Making stereoscopic. E. E. Draper. 1,862,847; June 14.
Pictures, Manufacturing polychromatic photographic. C. Roehrich. 1,843,001; Jan. 26.
Pictures, Method of and apparatus for projection of motion. A. Dina. 1,860,884; Oct. 4.
Pictures of a lenticular film, Printing. G. Heymer. 1,874,529; Aug. 30.
Pictures or scenes from recorded impulses, Reproducing. R. T. Friebus. 1,877,447; Sept. 13.
Pictures, Printing color. G. Heymer. 1,879,236; Sept. 27.
Pictures, Printing motion. F. D. Williams. 1,861,515; June 7.
Pictures, Producing composite. C. G. Briel. 1,863,826–7; June 21.
Pictures, Producing motion. J. Burkhardt. 1,859,021; May 17.
Pictures, Producing motion. W. L. Wright. 1,890,764; Dec. 13.
Pictures, Production of stereoscopic. C. W. Kanolt. 1,882,648; Oct. 11.
Pictures, Production of stereoscopic motion. C. W. Kanolt. 1,882,646; Oct. 11.
Pictures, Projection of stereoscopic. H. E. Ives. 1,883,290–1; Oct. 18.
Pictures, Reproducing and transmitting. R. H. Ranger. 1,848,839–40; Mar. 8.
Pictures, Transmission and reception of. J. M. Kendall. 1,848,888; Mar. 8.
Pictures with continuous automatic action, Apparatus for printing positive photographic. E. and E. Manzotti. 1,857,733; May 10.
Pictures with sound, Combining. H. H. Golden and I. Nachumsohn. 1,859,665; May 24.
Pie and pie shell baker, Individual. G. L. and N. R. Trenner. 1,874,836; Aug. 30.
Pie crust dough. Making and packaging. E. O. Nickerson. 1,873,716; Aug. 23.
Pie crust forming machine. C. A. Costigan. 1,860,705; May 31.
Pie crust, Making. A. F. Ward. 1,870,882; Aug. 9.
Pie crust roller. D. W. Smith. 1,871,753; Aug. 16.
Pie making machine. D. Trompeter. 1,841,507; Jan. 19.
Pie making machine and pie pan therefor. T. M. Mears. 1,841,495; Jan. 19.
Pie pan. E. T. Hurst. 1,879,268; Sept. 27.
Pie plate washing machine. E. S. Johnston. 1,839,762; Jan. 5.
Pie separating and trimming mechanism. D. W. Smith. 1,871,755; Aug. 16.
Pie separator and trimmer for pie making machinery. D. W. Smith. 1,871,754; Aug. 16.
Pie wrapping machine. H. Drazon. 1,865,748; July 5.
Pie wrapping machine. A. Remillard. 1,861,551; June 7.
Pies, Making die stamped. T. M. Mears. 1,841,494; Jan. 19.
Pies, Method of and apparatus for manufacturing. D. Trompeter. 1,888,662; Nov. 22.
Piece kick-up and seat pan. O. F. Graebner and J. Vehko. 1,880,385; Oct. 4.
Piercing and stapling machine. T. E. Jones. 1,840,586; Jan. 12.

Piezo-crystal, Thermostatically controlled. H. Schumacher. 1,882,989 ; Oct. 18.
Piezo-electric apparatus. A. B. Tripp. 1,844,705 ; Feb. 9.
Piezo-electric crystal. C. W. Hansell. 1,874,980 ; Aug. 30.
Piezo-electric crystal apparatus. E. R. Hentschel. 1,884,678 ; Oct. 25.
Piezo-electric crystal oscillator system. A. Hund. 1,861,862 ; June 7.
Piezo-electric indicator. E. Giebe and A. Scheibe. 1,860,145 ; May 24.
Pigment and making same, White lead. W. E. Newnam and J. McCallum. 1,847,358 ; Mar. 1.
Pigment and preparing the same, Non-weathering. S. F. Walton. 1,855,211 ; Apr. 26.
Pigment colors, Manufacture of. C. Immerheiser and H. Immerheiser. 1,858,823 ; May 17.
Pigment, Composite. W. J. O'Brien. 1,864,504 ; June 21.
Pigment compositions, Preparing. A. E. Verbyla. 1,870,186 ; Aug. 2.
Pigment dyes. G. Kränzlein, C. Hartmann, and A. Hardt. 1,860,036 ; May 24.
Pigment for coated paper. V. A. Lauderman. 1,863,663 ; June 21.
Pigment of iron oxide, Manufacturing a red. E. Renkwitz. 1,848,660 ; Mar. 8.
Pigmented coating compositions and making same, Noncaking. C. Coolidge and H. S. Holt. 1,863,834 ; June 21.
Pigments and making same. E. C. deStubner. 1,866,017 ; July 5.
Pigments and preparation thereof, Titanium. C. A. Klein and H. S. Brown. 1,856,565–6 ; May 3.
Pigments fast to light, Preparing. K. Gerbel. 1,859,868 ; May 24.
Pigments, Green mineral. H. Wolff. 1,891,210 ; Dec. 13.
Pigments, Manufacture of. E. M. Lofland. 1,888,464 ; Nov. 22.
Pigments, Production of iron oxide. J. Laux. 1,857,557 ; May 10.
Pigments, Production of titanium. C. de Rohden. 1,846,188 ; Feb. 23.
Pigments, Production of titanium. C. de Robden. 1,885,187 ; Nov. 1.
Pilaster. W. T. Hormes. 1,870,048 ; Aug. 2.
Pile, Composite. M. M. Upson. 1,860,792 ; May 31.
Pile compressing means for paper cutting machines and the like. Stegmann. 1,850,159 ; Sept. 27.
Pile core. E. D. Watt. 1,856,608 ; May 3.
Pile driver, Portable. O. M. Lanier. 1,846,973 ; Feb. 23.
Pile driving apparatus. E. D. Watt. 1,856,609 ; May 3.
Pile fabric. C. Ernst. 1,873,863 ; Aug. 23.
Pile fabric. A. F. McCollum and T. H. Rush. 1,877,679 ; Sept. 13.
Pile fabric. N. Slater. 1,843,651 ; Feb. 2.
Pile fabric. N. Slater. 1,887,477 ; Nov. 8.
Pile fabric and making the same. F. E. Bishop. 1,846,245 ; Feb. 23.
Pile fabric containing derivatives of cellulose. C. Dreyfus. 1,873,862 ; Aug. 23.
Pile fabric, Embossed. E. T. Phoenix. 1,849,550 ; Mar. 15.
Pile fabric knitting machine. D. P. Moore. 1,849,466 ; Mar. 15.
Pile fabric materials, Apparatus for treating and cleaning. R. A. Bassett. 1,880,668 ; Oct. 4.
Pile fabric, Weaving. J. Erkes. 1,848,611 ; Mar. 8.
Pile fabrics, Finishing knitted. D. P. Moore. 1,889,902 ; Dec. 13.
Pile fabrics, Making cemented. E. H. Ward and E. G. Jegge. 1,869,531 ; Aug. 2.
Pile fabrics, Method of and apparatus for weaving knotted. E. I. Petersen. 1,849,534 ; Mar. 15.
Pile fabrics, Process of and gauge for weaving. E. A. Wilson. 1,845,040 ; Mar. 1.
Pile forming apparatus. E. D. Watt. 1,865,658 ; July 5.
Pile joint, Composite. E. D. Watt and E. Whiteley. 1,865,657 ; July 5.
Pile shell, Concrete. E. D. Watt. 1,869,990 ; Aug. 2.
Pile shell sections, Apparatus for driving internally tapered. E. D. Watt. 1,847,853 ; Mar. 1.
Pile shell, Apparatus and method for driving. M. M. Upson and E. D. Watt. 1,865,653 ; July 5.
Pile shells, Reenforced. M. M. Upson and H. R. Smith. 1,839,359 ; Jan. 5.
Pile structure and making and using the same. O. E. Young. 1,877,113 ; Sept. 13.
Pile tenon turning machine. E. D. Watt. 1,860,846 ; May 31.
Piles and the like, Driving and cleaning hollow. L. White. 1,852,096 ; Apr. 5.
Piles, Apparatus for forming concrete. R. Tada. 1,887,604 ; Nov. 15.
Piles, Apparatus for forming concrete. E. D. Watt. 1,865,655 ; July 5.
Piles, Driving. J. P. Salman. 1,852,903 ; Apr. 5.
Piles, Forming composite. H. R. Smith. 1,856,517 ; May 3.
Piles from erosion, Protecting. J. J. Collins. 1,888,073 ; Nov. 15.
Piles in situ, Apparatus for the formation of concrete. J. M. Deely. 1,872,688 ; Aug. 23.
Piles, Method and apparatus for forming. L. Nadel 1,884,129 ; Oct. 25.
Piles, Method and apparatus for forming. G. L. Sherwood. 1,883,010 ; Oct. 18.
Piles, Method and apparatus for forming. M. M. Upson. 1,856,604 ; May 3.
Piles, Method and apparatus for forming. P. Zucco. 1,873,244 ; Aug. 23.
Piles, Method and apparatus for forming composite. H. R. Smith. 1,890,268 ; Dec. 6.
Piles of concrete and the like, Method and device for the production of. E. Frankignoul. 1,858,204 ; May 10.
Piles of concrete and the like, Method and device for the production of. E. Frankignoul. 1,887,630 ; Nov. 15.
Piling. H. M. Knight. 1,847,655 ; Mar. 1.
Piling construction. J. L. de Vou. 1,858,918 ; May 17.
Piling for heavy loads, Sheet. E. Becker. 1,841,779 ; Jan. 19.
Piling, Installing. A. P. Miller. 1,888,282 ; Nov. 22.
Piling machine. J. W. McKinley. 1,878,161 ; Sept. 20.
Piling, Metal. M. G. Hilpert. 1,884,686 ; Oct. 25.
Piling, Metallic. J. N. Wilhelmi. 1,847,507 ; Mar. 1.
Piling, Sheet. C. Beaujean. 1,860,766 ; May 31.
Piling, Sheet. W. Prehlips. 1,887,655 ; June 7.
Pilings, Interlocking sheet. A. Mauterer. 1,888,968 ; Nov. 22.
Pilger rolling process and roll for performing same. L. Klein. 1,876,691 ; Sept. 13.
Pillar construction for closed vehicles. F. J. Kubler. 1,881,693 ; Oct. 11.
Pillar for vehicle bodies. F. J. Kubler. 1,874,763 ; Aug. 30.
Pillow. N. Arnold. Des. 86,345 ; Mar. 1.
Pillow. W. E. Bawden. 1,876,591 ; Sept. 13.
Pillow. T. M. Coghlan. 1,846,312 ; Feb. 23.
Pillow. F. E. Tenny. 1,861,668 ; June 7.
Pillow and coverlet, Combination. C. K. Longletz and C. A. Engle. 1,871,003 ; Aug. 9.
Pillowcase construction. E. M. Ehni. 1,854,023 ; Apr. 12.
Pillow or cushion. M. Bartolo. 1,890,358 ; Dec. 6.
Pilot apparatus, Safety. H. B. Barber and E. G. de Coriolis. 1,841,463 ; Jan. 19.
Pilot burner for gas stoves or the like. N. Scarpa. 1,844,183 ; Feb. 9.
Pilot for aircraft, Automatic. L. B. Sperry. 1,887,335 ; Nov. 8.
Pilot for oil burners, Gas. A. J. Frame. 1,862,842 ; June 14.
Pilot for reamers, Extension. L. W. Johnson. 1,856,708 ; May 3.
Pilot mechanism for gas burning apparatus, Safety. N. T. Branche and V. O. Beam. 1,866,541 ; July 12.
Pilot pressure control. F. A. Ehlers. 1,846,223 ; Jan. 5.
Pilot support for reamers. G. E. Moen. 1,859,836 ; May 24.
Pilot vane for the aerofoil wings of airplanes. H. J. Kratzer. 1,867,013 ; July 12.
Pimientos, Treatment of. J. H. Jones. 1,889,123 ; Nov. 29.
Pin ; *See*—
Capped pin.
Cotter pin.
Crank pin.
Draft pin.
Hair pin.
Hinge pin.
Impaling pin.
Necktie pin.
Pole top pin.
Push pin.
Safety pin.
Taper pin.
Wrist pin.
Pin. W. A. and K. L. Moore. 1,878,880 ; Sept. 20.
Pin. W. H. Unversaw. Des. 88,369 ; Nov. 22.
Pin board. L. A. Beardsley. 1,883,483 ; Oct. 18.
Pin centering device and cushion retainer. J. C. Robertson. 1,888,571 ; Nov. 22.
Pin construction, Wrist. P. M. Freer. 1,859,360 ; May 24.
Pin detector for base feeding mechanism. F. Meyer. 1,871,382 ; Aug. 9.
Pin ejector, Crosshead. C. A. Shaffer. 1,889,135 ; Nov. 29.
Pin fastener. G. S. Maynard. 1,852,248 ; Apr. 5.
Pin for electric plugs, Contact. G. Maag-Eckenfelder. 1,864,989 ; June 28.
Pin for platen presses, Side gauge. T. Nelson. 1,849,585 ; Mar. 15.
Pin lock. J. K. Blakeslee. 1,872,655 ; Aug. 23.
Pin motion for folding cylinders. O. C. Roesen. 1,853,320 ; Apr. 12.
Pin or needle. E. Sparke. 1,880,219 ; Oct. 4.
Pin package. G. Boden. 1,842,065 ; Jan. 19.
Pin spot for bowling alleys, Adjustable. R. E. Kennedy. 1,879,306 ; Sept. 27.
Pinstem. F. E. Farnham. 1,841,885 ; Jan. 19.
Pin strip. C. A. Flood. 1,880,197 ; Oct. 4.
Pin tumbler lock, Antipick. L. C. Gutman. 1,860,712 ; May 31.
Pins for die sets, Self oiling leader. W. T. Clark. 1,842,071 ; Jan. 19.
Pins in radio tube bases, Method of and apparatus for molding. W. J. Gagnon. 1,886,176 ; Nov. 1.
Pins, Making dental. K. K. Ledig. 1,869,817 ; Aug. 2.
Pins, Making vacuum tube base. A. W. Miner. 1,878,640 ; Sept. 20.
Pins, Making wrist. F. H. Banner. 1,876,550 ; Sept. 13.
Pins oil in emulsion breakers, Use of. F. E. Fuchs. 1,890,849 ; Dec. 13.
Pine tar product and making same. H. A. Winkelmann. 1,841,235 ; Jan. 12.

Pineapple from waste shells, Recovering. R. B. Taylor. 1,844,810; Feb. 9.
Pipe: *See*—
Chamfer slotting pipe.
Concrete pipe.
Curb pipe.
Drill pipe.
Featherweight pipe.
Rain water pipe.
Shower pipe.
Smoker's pipe.
Smoking pipe.
Tank filling pipe.
Tobacco pipe.
Vaginal douche pipe.
Vent pipe.
Pipe. M. L. Farland. 1,875,432; Sept. 6.
Pipe. S. La Franca. 1,886,200; Nov. 1.
Pipe. J. B. Marin. 1,884,039; Oct. 25.
Pipe. E. C. Tuggle. 1,862,443; June 7.
Pipe and apparatus therefor, Laying underwater. R. F. Bennett. 1,852,796; Apr. 5.
Pipe and ash ejector, Tobacco. C. E. P. Gallagher. 1,847,393; Mar. 1.
Pipe and conduit bender. G. W. Meighan. 1,859,406; May 24.
Pipe and conduit bending machine. H. T. Haddock. 1,852,515; Apr. 5.
Pipe and coupling, Flexible. A. W. Swartz. 1,883,086; Oct. 18.
Pipe and header joint. C. H. True. 1,860,969; May 31.
Pipe and lighter, Combination. K. A. Eveleth. 1,845,591; Feb. 16.
Pipe and sewer rod. A. P. Kjerulff. 1,858,509; May 17.
Pipe and tapping means, Combination. E. Bouchard. 1,866,446; July 5.
Pipe and the like, Apparatus for molding cast iron. J. R. McWane. 1,869,908; Aug. 2.
Pipe and tube coupling. A. J. Weatherhead, jr. 1,863,360; June 14.
Pipe annealing furnace. S. B. Clark. 1,856,863; May 3.
Pipe, Apparatus for electric arc welding. A. W. Priebe. 1,840,330; Jan. 12.
Pipe, Apparatus for handling. C. J. Coberly. 1,861,113; May 31.
Pipe, Apparatus for making butt-weld. P. Boyd. 1,872,515; Aug. 16.
Pipe, Apparatus for making concrete. O. Tuerck. 1,861,727; June 7.
Pipe bender. S. N. Buchanan. 1,878,754; Sept. 20.
Pipe bender. M. E. Johnson. 1,844,253; Feb. 9.
Pipe bending machine. C. Francis. 1,849,181; Mar. 15.
Pipe bending machine. E. Vollmerhaus. 1,847,200; Mar. 1.
Pipe bending machine, Hydraulic. G. Lidseen and J. E. Fleming. 1,865,025; June 28.
Pipe blanks, Forming. C. Carlsen. 1,879,077; Sept. 27.
Pipe cap, Breather. J. K. Jensen. 1,865,319; June 28.
Pipe, Casing. D. B. Dimick. 1,866,930; Feb 23.
Pipe casting apparatus. D. H. Meloche. 1,862,975; June 14.
Pipe clamp. D. W. Hickey. 1,848,527; Mar. 8.
Pipe clamp. W. E. Rich. 1,871,562; Aug. 16.
Pipe clamping apparatus, Well. S. L. Campbell. 1,844,378; Feb. 9.
Pipe cleaner. G. Auringer. 1,863,460; June 14.
Pipe cleaner. F. E. Jinnett. 1,887,853; Nov. 15.
Pipe cleaner. W. Schoenfeld. 1,869,716; Aug. 2.
Pipe cleaner, Sectional sanitary. S. F. King. 1,871,798; Aug. 16.
Pipe cleaning apparatus. E. Schoener and K. Freisels. 1,887,722; Nov. 15.
Pipe cleaning device. S. O. Mattison. 1,889,098; Nov. 29.
Pipe cleaning device, Sewer. J. Markowitz. 1,844,433; Feb. 9.
Pipe cleaning machine. W. A. Frank. 1,866,556; July 12.
Pipe cleaning machine. W. F. Niemann. 1,849,201; Mar. 15.
Pipe cleaning method. H. Lodde. 1,863,755; June 21.
Pipe coating and drifting mechanism. A. Telfer. 1,868,481; Mar. 22.
Pipe coating apparatus. J. D. Cummings. 1,854,395; Apr. 19.
Pipe coating apparatus. C. R. Eckert. 1,870,841; Aug. 9.
Pipe coating, Apparatus for making glass-coated. G. V. Steinen. 1,882,347; Oct. 11.
Pipe coils, Making glass-coated. G. V. Steinen. 1,882,348; Oct. 11.
Pipe connecter head, Automatic train. J. Robinson. 1,890,410; Dec. 6.
Pipe connecter head, Automatic train. J. Robinson. 1,890,411; Dec. 6.
Pipe connecter. J. P. Salmon. 1,866,672; July 12.
Pipe connecter, Train. J. Farmer. 1,842,515; Jan. 26.
Pipe connection. T. Bennett. 1,840,430; Jan. 12.
Pipe consriuction. H. Neval. 1,851,054; Mar. 29.
Pipe coupler. S. N. Buchanan. 1,843,202; Feb. 2.
Pipe coupler. L. H. Church. 1,864,339; June 21.
Pipe coupler. G. C. Thomas, jr. 1,847,147; Mar. 1.
Pipe coupler, G. C. Thomas, jr. 1,881,980; Oct. 11.
Pipe coupler, Threadless. G. C. Thomas, jr. 1,872,048; Aug. 16.
Pipe coupling. H. H. Benn. 1,885,321; Nov. 1.
Pipe coupling. O. N. Gredell. 1,881,508; Oct. 11.
Pipe coupling. C. W. Faulkner. 1,857,297; May 10.
Pipe coupling. J. R. Gammeter. 1,861,211; May 31.
Pipe coupling. G. P. Murphy. 1,853,166; Apr. 12.
Pipe coupling. P. M. Nagy. 1,858,106; May 10.
Pipe coupling. O. Otterson. 1,888,539; Nov. 22.
Pipe coupling. J. S. Reid. 1,848,198; Mar. 8.
Pipe coupling. M. F. Waters. 1,861,372; May 31.
Pipe coupling. A. J. Weatherhead, jr. 1,872,536; Aug. 16.
Pipe coupling. J. Wood. 1,872,863; Aug. 23.
Pipe coupling and insulation therefor. F. N. Bard. 1,866,835; July 12.
Pipe coupling, Automatic train. G. E. Baldwin. 1,890,356; Dec. 6.
Pipe coupling, Automatic train. J. Robinson. 1,844,601; Feb. 9.
Pipe coupling, Automatic train. J. Robinson. 1,868,916; July 26.
Pipe coupling, Automatic train. J. Robinson. 1,878,712; Sept. 20.
Pipe coupling, Metallic. R. T. Loiseau. 1,860,422; May 31.
Pipe coupling screwing machine. J. T. Shelton. 1,850,479; Mar. 22.
Pipe coupling, Stem. F. N. Bard. 1,883,469; Oct. 18.
Pipe cut-off machine. J. M. Readey. 1,877,198; Sept. 13.
Pipe cutter. J. B. Galbraith. 1,849,142; Mar. 15.
Pipe cutter. D. W. Hickey. 1,852,412; Apr. 5.
Pipe cutter. H. M. Myracle. 1,868,757; July 26.
Pipe cutter. R. B. Pealer. 1,849,381; Mar. 15.
Pipe cutter, Outside. W. L. Church. 1,855,338; Apr. 26.
Pipe cutter, Outside. E. Ventresca. 1,839,622; Jan. 5.
Pipe cutting and beveling apparatus. F. J. Douglass and A. S. McCawley. 1,858,077; May 10.
Pipe cutting device. Mc. Way. 1,872,199; Aug. 16.
Pipe cutting machine. H. F. Brown. 1,860,653; May 31.
Pipe cutting machine. H. F. Brown. 1,885,107; Nov. 1.
Pipe cutting machine. N. W. Stuart. 1,886,855; Nov. 8.
Pipe cutting or welding apparatus, Circumferential. W. R. Ost and F. S. Lawrence. 1,879,444; Sept. 27.
Pipe cutting or welding machine, Circumferential. F. S. Lawrence. 1,879,346; Sept. 27.
Pipe device. F. Hollman. 1,889,200; Nov. 29.
Pipe, Device for handling. F. C. Goldsmith. 1,844,385; Feb. 9.
Pipe device, Smoking. A. J. Mauro. 1,892,436; Dec. 27.
Pipe drawing and holding device. H. L. Patterson and H. J. Quaife. 1,856,966; May 3.
Pipe elbows, Forming. J. H. Taylor. 1,875,954; Sept. 6.
Pipe elevator trunnion, Well. N. K. Smith. 1,871,925; Aug. 16.
Pipe ends, Joining. B. Nell. 1,886,275; Nov. 1.
Pipe engaging device. G. R. Livergood. 1,844,343; Nov. 1.
Pipe exhauster, Dry. E. M. Benson. 1,861,777; June 7.
Pipe fin. G. M. Kleucker. 1,847,878; Mar. 1.
Pipe fitting. H. Feldmeier. 1,846,046; Feb. 23.
Pipe fitting. O. W. Robertson and W. P. Chalmers. 1,846,456; Feb. 23.
Pipe fitting and making the same. E. S. Cornell, jr. 1,850,049; Mar. 18.
Pipe fitting for welding. E. H. Taylor. 1,883,094; Oct. 18.
Pipe fitting for welding. J. H. Taylor. 1,881,979; Oct. 11.
Pipe fitting, Safety. F. E. Key. 1,859,972; May 24.
Pipe fitting, Waste. D. H. Ebinger. 1,859,821; May 24.
Pipe-flanging machine. E. R. Seward. 1,853,641; Apr. 12.
Pipe float coupling, Drill. J. E. Kilzer. 1,890,223; Dec. 6.
Pipe for angle bends, Apparatus for cutting. F. J. Douglass. 1,858,076; May 10.
Pipe for blast furnaces, Blow. E. von Maltitz. 1,844,194; Feb. 9.
Pipe for flushing attachments, Drain. L. S. Denison. 1,885,977; Nov. 1.
Pipe guide for diestocks. B. T. Borden. 1,858,850; May 17.
Pipe hanger. J. J. Kelley. 1,883,935; Oct. 25.
Pipe hanger. C. Marrone and J. Mulkern. 1,850,021; Mar. 15.
Pipe hanger. C. F. Wray. 1,853,010; Apr. 5.
Pipe hanger. L. R. Zifferer. 1,870,382; Mar. 22.
Pipe hanger. L. R. Zifferer. 1,870,083; Aug. 2.
Pipe hickey. T. M. Gillin. 1,883,692; Oct. 18.
Pipe in a well, Apparatus for cutting. E. J. Nicklos and C. A. Rasmussen. 1,845,540; Mar. 8.
Pipe insulation, Making. A. J. Mesmer. 1,864,923; June 28.
Pipe joint. H. Y. Carson. 1,866,619; July 12.
Pipe joint. R. Furrer. 1,872,271; Aug. 16.
Pipe joint. S. F. Jackes. 1,854,515; Apr. 19.
Pipe joint. J. F. Kirby. 1,888,988 Nov. 29.
Pipe joint. W. L. Lee. 1,862,353; June 7.
Pipe joint. J. H. McEvoy, jr. 1,859,311; May 24.
Pipe joint. J. R. McWane. 1,884,063–5; Oct. 25.
Pipe joint. N. Mellman. 1,840,048; Jan. 5.
Pipe joint. J. C. Mitchell. 1,856,580; May 3.
Pipe joint. J. C. Mitchell. 1,856,581; May 3.
Pipe joint. J. F. Murphy. 1,873,023–1, Aug. 23
Pipe joint. K. Nakashima. 1,854,855; Apr. 19.
Pipe joint. J. D. Sample. 1,869,915; Aug. 2.
Pipe joint. W. R. Smittle. 1,844,047; Feb. 9.
Pipe joint and forming the same. J. L. Halstead. 1,840,447; Jan. 12.
Pipe joint and making it. J. L. Anderson. 1,860,521; May 31.
Pipe joint and making the same, Welded. J. L. Anderson. 1,859,340; May 24.
Pipe joint and the like. G. R. Insbaw. 1,876,455; Sept. 6.
Pipe joint and the like. D. H. Reynolds. 1,867,891; July 19.

Pipe joint coupling device. W. A. Ross. 1,884,874; Oct. 25.
Pipe joint elements, Method of and apparatus for assembling. J. R. McWane. 1,866,051; July 5.
Pipe joint filler. A. Larsen. 1,863,906; June 21.
Pipe joint, Flexible. W. R. Smittle. 1,873,495; Aug. 23.
Pipe joint or coupling. F. Fiederlein. 1,851,574; Mar. 29.
Pipe joints and pipes, Device and method for coating. L. R. Rogers. 1,867,470; July 12.
Pipe joints, Method of and apparatus for welding. H. J. Burnish. 1,872,114; Aug. 16.
Pipe joints, Reenforcing welded. J. Clark. 1,853,549; Apr. 12.
Pipe joints, Sealing threaded. W. G. Couhig. 1,875,708; Sept. 6.
Pipe jointure. H. L. Gentry and W. S. Park. 1,853,411; Apr. 12.
Pipe laying apparatus. C. F. Ward. 1,866,381; July 5.
Pipe line depositing machine. J. F. Robb. 1,877,974; Sept. 20.
Pipe line dolly. J. J. Tipton. 1,870,760; Aug. 9.
Pipe line stopper. U. U. Carr. 1,887,542; Nov. 15.
Pipe line stopper. U. U. Carr and M. R. McKinley. 1,883,896; Nov. 1.
Pipe-line treater. J. T. Worthington and H. F. Fisher. 1,873,857; Aug. 23.
Pipe line, Underground. L. R. Smith. 1,842,298; Jan. 19.
Pipe loops, Apparatus for making. O. M. Summers. 1,854,567; Apr. 19.
Pipe machine, Spiral. F. L. Williams. 1,868,039; July 19.
Pipe machines, Carrying mechanism for centrifugal concrete. A. R. McMullin. 1,881,322; Oct. 4.
Pipe, Making. C. R. Smith. 1,846,368; Feb. 23.
Pipe making machine. R. H. Dyer. 1,865,845; July 5.
Pipe making machinery. L. Cremen. 1,875,560; Sept. 6.
Pipe, Making slotted. H. Hayes. 1,849,188; Mar. 15.
Pipe, Manufacture of welded. J. L. Anderson. 1,877,621; Sept. 13.
Pipe, Method of and apparatus for making. J. C. Lincoln. 1,869,351; July 26.
Pipe, Method of and machine for upsetting the ends of. J. O. Devlin. 1,868,094; July 19.
Pipe mold. D. B. Dimick. 1,846,997; Feb. 23.
Pipe molding apparatus. E. G. Jones. 1,875,738; Sept. 6.
Pipe nipple, Apparatus for testing. J. M. Reedey. 1,887,327; Nov. 8.
Pipe or conduits, Apparatus for molding. C. Jackson. 1,859,491; Nov. 8.
Pipe pushing jack. C. A. Crane, jr. 1,870,607; Aug. 9.
Pipe racking apparatus, Drill. S. S. Hembree. 1,868,747; July 26.
Pipe reamer, Smoking. C. A. Malsbury. 1,851,124; Mar. 29.
Pipe, Reclaiming. E. L. Chappell. 1,888,961; Nov. 22.
Pipe rotating apparatus. W. W. Wilson. 1,864,389; June 21.
Pipe sections, Making. D. B. Replogle. 1,884,869; Oct. 25.
Pipe sections with reference to the couplings therefor, Locking plain end. G. H. Pfefferle. 1,889,133; Nov. 29.
Pipe shaping machine. L. A. Carter. 1,853,660; Apr. 12.
Pipe slip. J. C. Bush. 1,874,440; Aug. 30.
Pipe slip. F. J. Young. 1,864,111; June 21.
Pipe stacking appliance for oil wells. S. V. Dodson. 1,887,901; Nov. 15.
Pipe stem or similar article. P. Jeantet. Des. 86,314; Feb. 23.
Pipe stem or similar article. J. Jeantet. Des. 87,117; June 7.
Pipe stem unit, Smoker's. A. S. Hickey. 1,861,858; June 7.
Pipe stopping apparatus. E. Müller. 1,849,949; Mar. 15.
Pipe, Straightening. B. T. Andren. 1,872,384; Aug. 16.
Pipe structure. F. E. Kanegeiser. 1,874,303; Aug. 30.
Pipe structure, Flexible. E. A. Russell. 1,860,956; May 31.
Pipe structure, Flexible. E. A. Russell. 1,884,266; Oct. 25.
Pipe support for use with conduits. C. Gottwald. 1,846,559; Feb. 23.
Pipe supporter. V. W. Wills. 1,883,178; Oct. 18.
Pipe supporting means. J. H. McEvoy, jr., and E. A. Johnson. 1,849,374; Mar. 15.
Pipe testing machine. W. T. Mabla. 1,876,711; Sept. 13.
Pipe thread protector. R. Stresau. 1,839,448; Jan. 5.
Pipe threading device. C. B. Perry. 1,863,067; June 14.
Pipe threading machine. E. L. Ahern. 1,851,111; Oct. 4.
Pipe threading machine. I. W. Nonneman. 1,859,882; May 24.
Pipe threading machine. M. Rosenkranz and S. Webb. 1,884,260; Oct. 25.
Pipe tong assembly, Drill. A. W. Posey. 1,888,770; Nov. 22.
Pipe trimming apparatus. H. Parker. 1,841,550; Jan. 19.
Pipe uncoupling mechanism. A. E. Martois. 1,871,857; Aug. 16.
Pipe under water, Method and apparatus for laying. B. Lawrence. 1,839,322; Jan. 5.
Pipe union. C. G. Boone. 1,883,509; Oct. 18.
Pipe unit adaptable to the drilling and pumping arts, Multiple. F. H. Davis and F. F. Davis. 1,876,627; Sept. 13.
Pipe vise. H. J. Hach. 1,863,011; June 14.
Pipe welding device. C. G. Jones and L. W. Smith. 1,851,517; Mar. 29.
Pipe welding machine. E. E. Arnold. 1,870,475; Aug. 9.
Pipe-welding system. J. F. Peters. 1,862,316; June 7.
Pipe wrapping apparatus. E. L. Rolfs and C. W. Fuller. 1,883,401; Oct. 18.
Pipe wrapping machine. L. S. Rosener. 1,876,760; Sept. 13.
Pipe wrench. A. O. Brungardt. 1,862,002; June 7.
Pipe wrench. W. O. Thewes. 1,850,187; Mar. 22.
Pipes and for other uses, Method and material for cleaning drain. E. J. Hall. 1,859,036; May 17.
Pipes and the like, Apparatus for molding cast iron. J. R. McWane. 1,857,855; May 10.
Pipes, Apparatus for breaking in tobacco. E. K. Haas and R. S. Durling. 1,878,844; Sept. 20.
Pipes, Apparatus for cleaning. S. Uroukoff. 1,866,870; July 12.
Pipes, Apparatus for coating. A. G. Perkins. 1,839,891; Jan. 5.
Pipes, Apparatus for coupling. C. L. Roberts. 1,869,778; Aug. 2.
Pipes, Apparatus for cutting and beveling. F. J. Douglass and A. S. McCawley. 1,858,078; May 10.
Pipes, Apparatus for manufacturing concrete. S. Kuroyanagi. 1,854,046; Apr. 12.
Pipes, Apparatus for rolling seamless. R. Urban. 1,865,344; June 28.
Pipes, Clean-out for. R. A. Mikalsen. 1,887,321; Nov. 8.
Pipes, Connecting. J. Rogers. 1,847,837; Mar. 1.
Pipes, Device for extracting well. W. H. Endsley. 1,875,577; Sept. 6.
Pipes in building pipe lines, Method of and apparatus for connecting. G. Burrows. 1,874,081; Aug. 30.
Pipes, Joining. W. H. Armacost. 1,881,160; Oct. 4.
Pipes, Joining. F. H. Smith and H. A. Stringfellow. 1,889,795; Dec. 6.
Pipes, Manufacturing. T. J. Schmitz. 1,847,310; Mar. 1.
Pipes, Manufacturing bent. A. Schmidt. 1,888,891; Nov. 22.
Pipes or conduits with concrete, Apparatus and method for covering. C. Jackson. 1,873,413; Aug. 23.
Pipes or cylinders, Process and apparatus for making. H. I. Morris. 1,879,409; Sept. 27.
Pipes or the like, Apparatus for forming. C. G. Naylor. 1,874,833; Sept. 6.
Pipes with a mixture of fibrous substances and hydraulic cement substances, Apparatus for covering the outside surface of metal. A. Rocca. 1,847,917; Aug. 16.
Pipette. C. B. Francis. 1,850,499; Mar. 22.
Piping and the like. E. B. Lultwieler. 1,843,087; Jan. 26.
Piping, welting, or the like and making same. A. W. Rockwood. 1,884,254; Oct. 25.
Pipefidine, Production of. W. Schoeller, E. Schwenk, and H. Jordan. 1,870,071; Aug. 2.
Pistol. C. N. Brotherson. 1,859,839; Jan. 5.
Pistol. P. von Frantzius. 1,842,982; Jan. 26.
Pistol for signaling apparatus. C. L. d'Hellencourt. 1,853,802; Apr. 12.
Pistol, Marble shooting. J. F. De Camps. 1,852,401; Apr. 5.
Piston. A. L. Armentrout. 1,862,251; June 7.
Piston. M. Armentrout. 1,844,236; Feb. 9.
Piston. O. C. Berry. 1,867,490; Sept. 13.
Piston. L. B. Boyd. 1,852,105; Apr. 5.
Piston. Z. A. Bruegger. 1,851,086; Mar. 29.
Piston. C. R. Bulger. 1,842,154; Jan. 26.
Piston. A. W. Day. 1,854,455; Apr. 19.
Piston. J. E. Diamond. 1,874,925; Aug. 30.
Piston. A. Dreyfuss. 1,854,143; Apr. 12.
Piston. J. E. Elms. 1,854,405; Apr. 19.
Piston. G. E. Frankquist. 1,872,724; Aug. 23.
Piston. F. M. Freer. 1,860,734-5; May 31.
Piston. R. R. Grant. 1,865,248; June 28.
Piston. S. D. Hartog. 1,842,022-3; Jan. 19.
Piston. J. O. Heinze. 1,868,144; July 19.
Piston. F. Jardine. 1,847,947; Mar. 1.
Piston. F. Jardine. 1,891,419; Dec. 20.
Piston. W. Lister. 1,842,910; Jan. 26.
Piston. J. W. MacClatchie. 1,852,434; Oct. 11.
Piston. K. N. Matthews. 1,852,663; Apr. 5.
Piston. A. L. Nelson. Re18,384; Mar. 15.
Piston. A. L. Nelson. 1,881,237; Oct. 4.
Piston. A. B. Norton. 1,853,450; Apr. 12.
Piston. A. B. Norton. 1,891,441; Dec. 20.
Piston. E. S. and S. M. Reiland. 1,885,290; Nov. 1.
Piston. C. A. Sawtelle. 1,865,793; July 5.
Piston. R. Ware. 1,864,384; June 21.
Piston, Alloy. C. R. Butler. 1,891,914; Dec. 27.
Piston and connecting rod. R. C. Loeb. 1,885,538; Nov. 1.
Piston and connecting rod aligner. C. A. Olson. 1,842,421; Jan. 26.
Piston and connecting rod testing and aligning machine. G. E. Holton. 1,840,671; Jan. 12.
Piston and piston ring. C. N. Teetor. 1,849,698; Mar. 15.
Piston and piston ring for internal combustion engines. H. Tector. 1,844,923; Feb. 9.
Piston and piston rings therefor. C. D. Finley. 1,847,756; Mar. 1.

Piston and ring. E. S. and P. M. Reiland. 1,866,907; July 12.
Piston and ring. E. S. and P. M. Reiland. 1,868,075; July 19.
Piston and ring assembly. J. Williams. 1,877,106; Sept. 13.
Piston and skirt expanding ring therefor. H. F. Phillips. Des. 18,653; Nov. 15.
Piston and skirt expanding ring therefor. H. F. Phillips. 1,869,166; July 26.
Piston attachment. A. Welikes. 1,887,384; Nov. 8.
Piston blank and manufacturing pistons. D. Miller. 1,885,463; Nov. 1.
Piston construction. B. B. Blundell. 1,878,574; Sept 20.
Piston construction. A. La Brie. 1,855,554; Apr. 26.
Piston construction. N. J. Buren. 1,885,681; Nov. 1.
Piston cooling for combustion power engines. G. Pielstick. 1,889,492; Nov. 29.
Piston engine, Rotating. W. W. Woodward. 1,850,904; Mar. 22.
Piston, Engine. R. N. Steele. 1,888,203; Nov. 15.
Piston, Expansible. C. S. Johnston. 1,890,511; Dec. 13.
Piston for hydraulic brake systems, Master cylinder. J. R. Heidloff. 1,889,987; Dec. 6.
Piston for internal combustion engines. O. C. Berry. 1,885,299; June 21.
Piston for internal combustion engines. H. C. Edwards. 1,883,637; Oct. 18.
Piston for internal combustion engines. F. Gosslau. 1,876,917; Sept. 13.
Piston for internal combustion engines. G. A. Mellor. 1,856,107; May 3.
Piston for internal combustion engines. L. A. Seger. 1,889,387; Nov. 29.
Piston for internal combustion engines and the like. H. M. Bramberry. 1,852,602; Apr. 5.
Piston for internal combustion motors. E. C. Long. 1,872,772; Aug. 23.
Piston for liquid meters, Operating. E. S. Patch. 1,871,912; Aug. 16.
Piston for slush pumps and the like. C. L. Tyler. 1,892,022; Dec. 27.
Piston gib. C. L. Walker. 1,851,554; Mar. 29.
Piston head, Skeleton. J. C. Ducommun. 1,860,141; May 24.
Piston, Light metal. L. Kraemer. 1,868,420; July 19.
Piston lubrication for pumps, Reciprocating. J. Boerlage. 1,869,591; Nov. 29.
Piston, Master cylinder. C. V. Gardner. 1,889,857; Dec. 6.
Piston meter. J. B. Davis. 1,870,897; Aug. 9.
Piston packing ring. C. Melidoni. 1,842,533; Jan. 26.
Piston packing rings, Restricting means for composite. T. Madsen. 1,856,961; May 3.
Piston pin extractor and inserter. M. D. Justiss. 1,841,190; Jan. 12.
Piston, Plated. C. J. Summers. 1,856,272; May 3.
Piston, Pump. L. C. Black. 1,840,880; Jan. 12.
Piston, Pump. E. Kibele. 1,849,096; Mar. 15.
Piston, Pump. C. Zaun. 1,889,178; Nov. 29.
Piston refinishing machine. C. T. Rottler. 1,839,775; Jan. 5.
Piston, Resilient. C. Melidoni. 1,881,214; Oct. 4.
Piston ring. W. R. G. Andreasen and C. A. Toleman. 1,883,448; Oct. 18.
Piston ring. E. G. Buchmann. 1,853,200; Apr. 12.
Piston ring. A. B. Burks. 1,847,427; Mar. 1.
Piston ring. W. H. Cooper. 1,867,656; July 19.
Piston ring. F. R. Good. 1,860,025; May 24.
Piston ring. J. M. Grant. 1,868,744; July 26.
Piston ring. F. P. Groom. 1,876,919; Sept. 13.
Piston ring. E. G. Malpas. 1,885,273; Nov. 1.
Piston ring. W. W. Marion. 1,869,108; July 26.
Piston ring. C. A. Marien. 1,888,994; Nov. 29.
Piston ring. A. W. Morton. 1,862,059; June 7.
Piston ring. A. W. Morton. 1,881,385; Oct. 11.
Piston ring. J. Nagy. 1,854,482; Apr. 19.
Piston ring. A. P. Petre. 1,861,716; June 7.
Piston ring. G. R. Roberts. 1,862,305; June 14.
Piston ring. D. M. Solenberger. Re18,417; Apr. 12.
Piston ring. D. M. Solenberger. 1,853,937; Apr. 12.
Piston ring. D. M. Solenberger. 1,856,271; May 3.
Piston ring and expander therefor. C. Curtis. 1,840,935; Jan. 12.
Piston ring, Composite. J. Williams. 1,842,853; Jan. 26.
Piston ring contractor. C. R. Lawrence. 1,891,560; Dec. 20.
Piston ring device. W. E. Dean. 1,842,508; Jan. 26.
Piston ring expander. F. Deutsch. 1,844,214; Feb. 9.
Piston ring expander. C. E. Johnson. 1,850,674; Mar. 22.
Piston ring expander and making the same. C. A. Marien. 1,869,107; July 26.
Piston ring gauge. F. P. Ralph. 1,865,388; June 28.
Piston ring structure. J. G. Hodge. 1,877,461; Sept. 13.
Piston ring testing machine. C. Breer. 1,883,522; Oct. 18.
Piston rings, Apparatus for slotting. D. M. Solenberger. 1,889,267; Nov. 29.
Piston rings, Making. T. V. Buckwalter. 1,856,240; May 3.
Piston rings, Making. E. R. Hellman. 1,856,279; May 3.
Piston rings, Making. W. J. Six. 1,859,057; May 17.
Piston rings, Manufacturing. M. Okochi and K. Ebihara. 1,849,467; Mar. 15.
Piston rod and ring assembly. J. Williams. 1,841,772; Jan. 19.
Piston salvaging device. F. J. Leak. 1,875,029; Aug. 30.
Piston sand core. G. L. Moore. 1,867,862; July 19.
Piston sealing means. R. Maisel. 1,859,520; May 24.
Piston skirt expander. C. M. O'Neil. 1,850,214; Mar. 22.
Piston skirt expanding means. C. A. Marien. 1,887,769; Nov. 15.
Piston type meter. H. G. Weymouth. 1,891,461; Dec. 20.
Pistons, Device for spreading and enlarging motor. J. A. F. Osse. 1,875,822; Sept. 6.
Pistons, Making. G. Mitchell. 1,854,271; Apr. 19.
Pistons, Manufacturing. C. L. Walker. 1,851,553; Mar 29.
Pistons, Treating. C. S. C. Read. 1,877,530; Sept. 13.
Pit apparatus, Drop. F. W. Blake. 1,849,972; Mar. 15.
Pit mechanism, Drop. H. K. Christie. 1,866,798; July 12.
Pitch and apparatus therefor, Production of. G. E. McCloskey. 1,871,628; Aug. 16.
Pitch, Coking. A. H. Radasch. 1,891,606; Dec. 20.
Pitch of propellers, Device for varying the. A. O. Fabrin. 1,852,204; Apr. 5.
Pitch propeller, Adjustable. S. T. Carter. 1,876,609; Sept. 13.
Pitch propeller, Adjustable. H. A. Hall. 1,857,755; May 10.
Pitch propeller, Controllable. J. A. Roemisch. 1,869,280; July 26.
Pitch propeller mechanism, Variable. J. R. Zipay. 1,881,150; May 31.
Pitch propeller mechanism, Variable. J. R. Zipay. 1,877,115; Sept. 13.
Pitch propeller, Variable. R. Chilton. 1,887,543; Nov. 15.
Pitch propeller, Variable. G. Evoritt. 1,875,373; Sept. 6.
Pitch propeller, Variable. H. Glenwright. 1,862,481; June 7.
Pitch propeller, Variable. R. M. Hill. 1,879,935; Sept. 27.
Pitch propeller, Variable. N. C. Jackson. 1,846,488; Feb. 23.
Pitch propeller, Variable. J. P. Landrum. 1,871,124; Aug. 9.
Pitch propeller, Variable. N. Mattacchione. 1,848,573; Mar. 8.
Pitch propeller, Variable. C. H. Monroe. 1,857,319; May 10.
Pitch propeller, Variable. E. B. Moore. 1,874,332; Aug. 30.
Pitch propeller, Variable. V. H. Patriarche. 1,844,227; Feb. 9.
Pitch propeller, Variable. S. B. Smith. 1,886,602; Nov. 8.
Pitch propeller, Variable. E. A. Sperry and W. M. Perry. 1,874,714; Aug. 30.
Pitcher. C. M. Evans. Des. 88,762; Dec. 27.
Pitcher. L. Guild. Des. 88,227; Nov. 8.
Pitcher. A. D. Nash. Des. 88,253; Nov. 8.
Pitcher, Dripless sirup. F. B. Knauss. 1,886,405; Nov. 8.
Pitcher or similar article. O. C. Noble. Des. 86,802; Apr. 19.
Pitcher or similar article. J. B. McDonald. Des. 87,120; June 7.
Pitcher, Sirup. E. Robinson. 1,888,330; Nov. 22.
Pitcher, Tilthably mounted. P. D. Te Selle. 1,878,348; Sept. 20.
Pitman. J. G. Miller. 1,892,069; Dec. 27.
Pitman counterbalance. C. C. Shipman. 1,848,669; Mar. 8.
Pitman for mowers. F. R. Cook. 1,846,385; Feb. 23.
Pitman head, Self-aligning. D. K. Cason, Jr. 1,874,445; Aug. 30.
Pits, Filling. O. Stern. 1,847,024; Feb. 23.
Pits from prunes, Method of and apparatus for removing. T. W. W. Forrest and T. O. L. Smith. Re18,675; Nov. 29.
Pitting machine. J. P. Bem. 1,884,527; Oct. 25.
Pivot for windows and the like. W. F. Crittall and J. B. Wardropper. 1,844,562; Feb. 9.
Pivot joint, Oscillating. W. A. Chryst. 1,871,957; Aug. 16.
Pivot joint, Oscillating. H. D. Geyer. 1,861,791; June 7.
Placer. H. V. Marsh. 1,890,547; May 31.
Placard display device. J. Komorous. 1,857,552; May 10.
Placer mining machine. W. G. Churchill. 1,870,710; Aug. 9.
Plait heading. E. J. Martens. 1,860,110; May 24.
Plaiting device. W. H. Stewart. 1,890,101; Dec. 6.
Plaiting machine. G. and R. Esbelent. 1,870,617; Aug. 9.
Plaiting machine. L. E. McDonough. 1,888,232; Nov. 22.
Plaiting machine. F. W. Peetz and G. L. Strebler. 1,849,019; Mar. 8.
Plaiting machines, Sheet feeding mechanism for. F. Maxant. 1,857,028; May 3.
Plane. D. Kovacs. 1,855,973; Apr. 26.
Plane. J. M. Zdeb. 1,874,148; Aug. 30.
Plane for leather and the like. H. Lyon. 1,878,410; Sept. 20.
Plane girder for aeroplanes, Triangular. C. Rosatelik. 1,889,294; Nov. 29.

Plane, Gull wing. J. H. Kindleberger. 1,891,385; Dec. 20.
Plane, Superlight. A. Fehrenbach. 1,860,087; May 24.
Plane, Tilting-engine wing. M. Leupold. 1,891,166; Dec. 13.
Planer, Bloom. J. W. Offutt. 1,890,824; Dec. 13.
Planetary stirring machine. F. R. Shaughnessy. 1,866,227; July 9.
Planimeter. H. E. Dall. 1,867,441; July 12.
Planimeter for computing forces. W. Schweydar. 1,844,905; Feb. 9.
Plank, Painter's adjustable. W. Roberts. 1,841,676; Jan. 19.
Plant apparatus and making metal wool. C. Field. 1,886,661; Nov. 8.
Plant bed. R. Purpiaw. 1,874,207; Aug. 30.
Plant burner. W. E. and J. M. Taylor. 1,851,378; Mar. 29.
Plant box. R. Regelson. 1,865,960; July 5.
Plant fumification. M. Prins. 1,851,684; Mar. 29.
Plant compressing and binding device. C. Brimer. 1,877,548; Sept. 13.
Plant duster and fertilizer, Combined. E. C. Duncan. 1,883,771; Oct. 18.
Plant for cafeteria, Cooking. C. Ortega. 1,873,144; Aug. 23.
Plant for loading and unloading wagons. P. Guilbert and J. Legrand. 1,879,203; Sept. 27.
Plant for the manufacture of ceramic products. W. L. Hanley, jr., D. B. Hendryx, and G. W. Holbrook. 1,863,628; June 21.
Plant, Gas. G. W. Miller. 1,884,081; Oct. 25.
Plant labeling device. E. M. Rosenbluth. 1,869,913; Aug. 2.
Plant, Liquid-circulating. A. G. McGregor. 1,882,669; Oct. 4.
Plant or rosebush. G. B. Hart. Pl. Pt. 48; Dec. 6.
Plant, Power. R. A. Beekman. 1,886,625; Nov. 8.
Plant, Processing. W. S. Yarrow. 1,856,011; Apr. 12.
Plant product and making the same, Marine. P. R. Park. 1,875,352; Sept. 6.
Plant propagating device. W. Lam. 1,868,609; July 26.
Plant, Separating. A. L. Forbes, jr., and C. O. Byrne. 1,875,716; Sept. 6.
Plant setter. E. L. Masters. 1,877,415; Sept. 13.
Plant stand. W. S. Washburn. 1,877,098; Sept. 13.
Plant stand, Adjustable. J. La Rock. 1,860,390; May 31.
Plant stand, Indoor. E. Jarrow. 1,856,011; Apr. 12.
Plant, Steam. J. Ruths. 1,887,218; Nov. 8.
Plant, Variety of. W. Sim. Pl. Pt. 24; Aug. 30.
Planter. J. Brown. 1,853,759; Apr. 12.
Planter. O. F. Drennan. 1,868,731; July 26.
Planter. C. H. White. 1,857,749; May 10.
Planter and fertilizer. R. W. Schiller. 1,865,378; June 28.
Planter and fertilizer, Adjustable seed. W. T. Snyder. 1,862,067; June 7.
Planter attachment. C. D. Burkle. 1,856,208; May 3.
Planter attachment, Corn. G. T. Horst. 1,867,075; July 12.
Planter attachment for cultivators. A. A. Scarlett. 1,864,280; June 21.
Planter attachment for tractors, Corn. M. Miller. 1,855,222; Apr. 26.
Planter, Check row. H. E. Bishop. 1,872,393; Aug. 16.
Planter, Combination grass and grain. J. F. Fiala. 1,857,536; May 10.
Planter, Corn. J. C. Bohmker. 1,879,787; Sept. 27.
Planter, Corn. O. M. Bratrud. 1,845,394; Feb. 16.
Planter, Corn. F. Holtorf. 1,853,274; Apr. 12.
Planter, Corn. E. Mueller. 1,878,833; Sept. 20.
Planter, Corn. M. J. Thelen, H. Koopmeiners and A. Koopmeiners. 1,890,136; Dec. 6.
Planter, Grain. W. L. Beall. 1,886,149; Nov. 1.
Planter, Multiple row. C. H. White. 1,891,488; Dec. 20.
Planter, Plant. P. Erickson. 1,870,043; Aug. 2.
Planter, Potato. J. Hirz. 1,843,229; Feb. 2.
Planter, Potato. J. Israelson. 1,890,155; Nov. 6.
Planter, Potato. R. E. McKenzie. 1,844,474; Feb. 9.
Planter, Power lift. J. L. Hipple. 1,846,487; Feb. 23.
Planter, Seed. J. A. Alegria. 1,843,959; Jan. 19.
Planter, Tractor operated. A. C. Lindgren. 1,878,871; Sept. 20.
Planters and listers, Automatic hill drop for. R. Hronek. 1,864,858; June 28.
Planters, Apparatus for seed. J. W. Randolph. 1,892,250; Dec. 27.
Planters, Check row attachment for potato. K. J. Lee. 1,872,470; Aug. 16.
Planting and cultivating. W. S. Davis. 1,878,819; Sept. 20.
Planting and transplanting device. W. Armstrong. 1,856,016; Apr. 26.
Planting device. W. G. Lewis. 1,851,196; Mar. 29.
Planting machine. L. Poll. 1,888,143; Nov. 15.
Plants and for other like purposes, Treatment of growing. J. C. Savage. 1,842,844; Jan. 26.
Plants, Degumming textile. U. J. L. Thuau. 1,843,851; Feb. 2.
Plants, Device for watering. G. W. Ferguson. 1,876,888; Sept. 13.
Plants for the manufacture of sheets of glass. J. H. LeMaire. 1,864,360; June 21.
Plants, Method of and machine for causing fecundation of. J. P. T. Nielsen. 1,866,219; July 5.

Plaque. P. Beneduce. Des. 88,744; Dec. 27.
Plaque. L. De Hymel and J. H. Dreyer. Des. 87,093; May 31.
Plaque, pocket mirror, and like display device. M. Kaplan. 1,853,902; Apr. 12.
Plaques and the like, Making. C. Boulard. 1,869,839; Aug. 2.
Plaster, Acoustic. C. K. Roos. 1,871,806; Aug. 16.
Plaster and package therefor. W. L. Schrader. 1,862,122; June 7.
Plaster and stucco ground. L. Brandt. 1,871,491; Aug. 16.
Plaster backing and making it, Nonsoiling. G. S. Mathey. 1,877,344; Sept. 13.
Plaster base. H. S. Johns. 1,882,499; Oct. 11.
Plaster base. G. E. Land. 1,853,310; Apr. 12.
Plaster block machine. G. H. A. Ruby. 1,889,935; Dec. 6.
Plaster board. F. M. Venzie. 1,877,209; Sept. 13.
Plaster board. F. M. Venzie. 1,878,611; Sept. 20.
Plasterboard and making same. C. R. Birdsey. 1,870,439; Aug. 9.
Plaster board apparatus. J. J. Turner. 1,856,936; May 3.
Plaster board machine. G. H. A. Ruby. 1,862,318; June 7.
Plaster board manufacture. J. S. Offutt. 1,871,731; Aug. 16.
Plaster board, Method and apparatus for making. H. W. Shaw. 1,856,032; May 3.
Plaster cast cutter. L. A. Mead. 1,876,237; Sept. 6.
Plaster, Heat insulating and acoustic. G. A. New. 1,839,887; Jan. 5.
Plaster to bandages, Device for applying. F. Buchstein. 1,855,905; Apr. 26.
Plastering. F. Ambrosio. 1,853,756; Apr. 12.
Plasters and other adhesive faced articles, Mounting. R. F. Hayden and F. N. Manley. 1,861,530; June 7.
Plasters from anhydrite, Manufacture of. V. Lefebure. 1,879,877; Sept. 27.
Plastic. N. M. Mookim. 1,854,480; Apr. 19.
Plastic and making same, Fusible. C. Ellis. 1,876,886; Sept. 13.
Plastic composition. E. W. Gardner and D. H. Felder. 1,883,683; Oct. 18.
Plastic composition. P. Knapp. 1,884,747; Oct. 25.
Plastic composition. R. K. Miller. 1,864,662; June 28.
Plastic composition and making same. W. L. Semon. 1,892,167; Dec. 27.
Plastic composition, film, or article and making the same. A. Zimmerli. 1,862,640; Jan. 26.
Plastic compositions and preparing same. H. C. Cheetham. 1,855,384; Apr. 26.
Plastic compound. V. Scholz. 1,889,702; Nov. 29.
Plastic forming composition. A. L. V. Nilsson. 1,841,547; Jan. 19.
Plastic masses, Production of. M. Luther and R. Held. 1,884,023–4; Oct. 25.
Plastic material, Apparatus for shaping. F. W. Preston. 1,864,319; June 21.
Plastic materials, Method and machine for sheeting and folding. T. L. Green and C. H. Williams. 1,868,317; July 19.
Plastics, Method and apparatus for molding. E. E. Slick. 1,885,303; Nov. 1.
Plastic nailing composition. J. A. Wires. 1,860,917; May 31.
Plastic structure, Reenforced. E. L. Benedict. 1,850,092; Mar. 22.
Plastic substances and products obtained thereby, Making. J. C. Patrick. 1,890,191; Dec. 6.
Plastics, Extruding. E. R. Derby. 1,845,249; Feb. 16.
Plastifier for cellulose derivatives and resin compositions. W. H. Moss and B. B. White. 1,881,219; Oct. 4.
Plate. G. A. Meell. Des. 87,933; Oct. 11.
Plate. E. L. Schnepf. Des. 87,981; Oct. 18.
Plate. J. G. Stanway. Des. 87,175; June 14.
Plate and dish warmer. A. R. Holtman. 1,854,612; Apr. 19.
Plate and manufacturing the same, Comb. M. Andis. 1,860,643; May 31.
Plate and mechanism for motion picture projection machines, Aperture. A. Dina. 1,843,544; Feb. 2.
Plate, Aperture. A. Kindelmann. 1,869,852; Aug. 2.
Plate attachment for griddles, Hot. T. H. Stough. 1,846,858; Sept. 6.
Plate, Bed. J. Mann. 1,886,035; Nov. 1
Plate bending machine. F. H. Smith. 1,872,355; Aug. 16.
Plate, Broiler. P. T. Bogley. 1,885,325; Nov. 1.
Plate catcher and cleaner for tinning machines. S. E. Diescher. 1,876,278; Sept. 6.
Plate clamp. C. W. Harrold. 1,853,208; Apr. 12.
Plate cleaner. F. Scherr, jr. 1,854,229; Apr. 19.
Plate, Cooking. F. and T. Nuber and L. M. Hermann. 1,856,297; Nov. 1.
Plate, Double aperture. A. Dina. 1,846,049; Feb. 23.
Plate, Driven. A. W. Anderson. 1,882,706–7; Oct. 18.
Plate, Fish. E. G. Marklew. 1,850,805; Mar. 22.
Plate for burial casket, Corner. R. P. Henderson. Des. 88,290–2; Nov. 15.
Plate for making wafers. F. S. Nanna. 1,875,482; Sept. 6.
Plate for musical instruments, Cover. R. Dopzera. Des. 86,705; Apr. 12.
Plate glass. A. Voelskow. Des. 86,689; Apr. 5.
Plate, Illuminated house number. A. Fazekas. Des. 87,911–2; Oct. 11.

Plate, Lithographic or offset printing. F. Fischer. 1,863,976; June 21.
Plate or card exhibiting device. R. J. Wood. 1,845,470; Feb. 16.
Plate or dish, Absorbent. R. W. Chapman. 1,865,742; July 5.
Plate or other similar article, Child's. J. L. Dowd. Des. 88,343; Nov. 22.
Plate or similar article. A. R. Apple. Des. 87,042; May 31.
Plate or similar article. L. H. Bown. Des. 87,708; Sept. 6.
Plate or similar article. L. H. Brown. Des. 87,504–6; Aug. 9.
Plate or similar article. Y. Buma. Des. 86,195–213; Feb. 16.
Plate or similar article. Y. Buma. Des. 86,557–61; Mar. 22.
Plate or similar article. Y. Buma. Des. 87,195–9; June 21.
Plate or similar article. Y. Buma. 88,286; Nov. 15.
Plate or similar article. Y. Buma. Des. 88,754; Dec. 27.
Plate or similar article. A. G. Hallgren. Des. 87,466; Aug. 2.
Plate or similar article. S. Johnson. Des. 86,722; Apr. 12.
Plate or similar article. W. T. Johnson. Des. 87,664; Aug. 30.
Plate or similar article. R. E. Lukens. Des. 87,037; May 24.
Plate or similar article. R. E. Lukens. Des. 87,668; Aug. 30.
Plate or similar article. W. S. Mayer. Des. 87,038; May 24.
Plate or similar article. W. C. McCartney. Des. 88,192; Oct. 25.
Plate or similar article. J. B. McDonald. Des. 87,122; June 7.
Plate or similar article. J. E. Phillips. Des. 87,480–1; Aug. 2.
Plate or similar article. K. Pschorr. Des. 87,022–3; May 24.
Plate or similar article. U. Tomita. Des. 85,963; Jan. 5.
Plate or similar article. H. J. Wain. Des. 87,735; Sept. 6.
Plate or similar article. A. M. Walker. Des. 86,692; Apr. 5.
Plate or similar article. G. Wesp. 87,555–7; Aug. 9.
Plate or similar article of glassware. A. H. and V. Nicholson. Des. 86,927; May 10.
Plate or similar article of pottery. S. E. Thompson. Des. 88,688; Dec. 13.
Plate photo-electric tube, Multiple. B. W. Woodward. 1,870,596; Aug. 9.
Plate process printing, Dry. C. L. Johnston. 1,886,817; Nov. 8.
Plate rack. A. J. Orth. 1,888,141; Nov. 15.
Plate, Shoe. F. D. Reynolds. 1,868,765; July 26.
Plate structure, Center. W. M. Sheehan. 1,864,154; June 21.
Plates and other articles, Method and machine for cutting and forming. E. M. Simmons. 1,879,555; Sept. 27.
Plates and other objects, Apparatus for engraving. R. S. Phillips. 1,857,285; May 10.
Plates and sheets, Adjusting the thickness of glass. Y. Brancart. 1,854,641; Apr. 19.
Plates, Apparatus for casting curved stereotype. E. G. Saint-Aubin. 1,855,031; Apr. 19.
Plates, Apparatus for manufacturing. W. Sykes. 1,873,361; Aug. 23.
Plates, Device for washing or treating. R. John. 1,871,374; Aug. 9.
Plates in gas generators, Diffusion. J. M. Rusby. 1,885,549; Nov. 1.
Plates or sheets, Fastening together of. G. F. J. Dandridge and G. A. Mower. 1,857,530; May 10.
Plates, Printing of and apparatus for producing printing. W. Howey. 1,849,544; Mar. 15.
Plating. J. N. Reppen. 1,839,931; Jan. 5.
Plating machine. V. D. Hamilton. 1,859,668; May 24.
Plating machines, Automatic work shift for. C. G. Miller. 1,856,497; May 3.
Platen feed mechanism, Variable. J. Last. 1,849,494; Mar. 15.
Platen for presses with heating coils. C. A. Rupp. 1,847,441; Mar. 1.
Platen for printing and addressing machines. C. C. McCain. 1,879,811; Sept. 27.
Platen for printing and addressing machines, Snapping. H. Hubbard. 1,871,903; Aug. 16.
Platen for printing machines. P. J. Clark. 1,892,136; Dec. 27.
Platen roller. M. H. Alexanian. 1,891,366; Dec. 20.
Platens, Operating means for front feed. E. J. Ens. 1,875,917; Sept. 6.
Platform, Adjustable tractor. T. Foote. 1,865,365; June 28.
Platform and collapsible tray for handling material with lift trucks, Shipping. A. S. McKellizon. 1,881,822; Oct. 11.
Platform, Dumping. L. Shadle. 1,877,066; Sept. 13.
Platform, Elevator. A. T. Brown and A. J. Liebenberg. 1,849,788; Mar. 15.
Platform for conveying goods chiefly in ship's holds. Movable. J. G. de Andia Yrarrazaval. 1,868,568; July 26.
Platform for gallery work in tunnels, Working and loading. C. H. Hoelfeldt-Lund. 1,863,964; June 21.
Platform for scales. E. A. Reussenzehn. 1,879,496; Sept. 27.
Platform, Loading zone signal. W. G. Keith and J. A. Manarfik. Des. 87,220; June 21.
Platform or skid, Portable. A. A. Bureau and E. P. Burk. 1,880,755; Oct. 4.
Platform, Scale. C. E. Breaden. 1,853,198; Apr. 12.
Platinum, Recovering. A. J. Hull. 1,876,943; Sept. 13.
Play device. W. O. Parrott. 1,874,345; Aug. 30.
Playground apparatus. E. F. Hoppes. 1,864,734; June 28.
Playground equipment. F. Albach. 1,865,810; July 5.
Playhouse, Child's. M. Anderson. 1,845,861; Feb. 16.
Playhouse, Collapsible. H. M. Fancher. 1,845,254; Feb. 16.
Playhouse, Folding. A. Gold. 1,881,356; Oct. 4.
Playpen. A. G. Feldman. 1,870,285; Aug. 9.
Playing field for game apparatus. G. H. Miner. Des. 87,400; July 19.
Play table, Child's. M. Hallward. Des. 88,612; Dec. 6.
Pliers. C. A. Archbold. 1,863,037; June 14.
Pliers. G. C. F. Beck. 1,891,365; Dec. 20.
Pliers. A. H. Berntson and C. D. Zimmerman. 1,843,314; Feb. 2.
Pliers. C. D. Daniels. 1,850,664; Mar. 22.
Pliers. F. P. Delacour. 1,855,944; Apr. 26.
Pliers. G. E. Evey. 1,867,912; July 19.
Pliers. H. G. Graner. 1,857,505; July 12.
Pliers. W. E. Hoke and D. Thomson. 1,886,271; Nov. 1.
Pliers. N. W. A. Jackson. 1,843,819; Feb. 2.
Pliers. J. C. Lebherz. 1,860,290; May 24.
Pliers. N. J. Shekerjian. 1,892,082; Dec. 27.
Pliers. R. Thomson. 1,886,272; Nov. 1.
Pliers, Bending. S. Poland. 1,886,732; Nov. 8.
Pliers, etc. J. E. Paulette. 1,879,452; Sept. 27.
Pliers for universal use. M. C. Mikkelsen. 1,851,126; Mar. 29.
Pliers or the like. A. C. Allan. 1,873,805; Aug. 23.
Plotting instrument. F. N. Sayre. 1,891,502; Dec. 20.
Plow. N. E. Barnes. 1,892,230; Dec. 27.
Plow. R. Hansgirg. 1,843,977; Feb. 9.
Plow. W. A. Humphreys. 1,853,307; Apr. 12.
Plow. P. I. Ledoux. 1,889,037; Nov. 29.
Plow. A. P. Lofstrand. 1,867,517; July 12.
Plow. A. P. Lofstrand. 1,884,009; Oct. 25.
Plow. H. J. Neufang. 1,843,780; Feb. 2.
Plow. W. L. Paul. 1,849,852; Mar. 15.
Plow. O. G. Roberts. 1,858,114; May 10.
Plow. C. G. Strandlund. 1,855,733; Apr. 26.
Plow. C. G. Strandlund. 1,859,896; May 24.
Plow. C. G. Strandlund. 1,859,942; May 24.
Plow. C. G. Strandlund. 1,863,812; June 21.
Plow. J. Szakacs. 1,857,700; May 10.
Plow, Adjustable hoist for. G. C. Soule and J. B. Woodbury. 1,853,939; Apr. 12.
Plow and grader, Combined ditch. W. Leriche and I. V. Beasley. 1,848,657; Mar. 8.
Plow appliance, Farm. E. L. Vise. 1,852,908; Apr. 5.
Plow attachment, Adjustable. H. G. Lane. 1,851,196; Mar. 29.
Plow attachment for tractors. J. F. Flanagan. 1,873,749; Aug. 23.
Plow, Bermuda grass. L. A. Booth. 1,848,931; Mar. 8.
Plow, Cable laying. E. C. Gledhill. 1,886,511; Nov. 8.
Plow, Cable laying. R. N. Murphy. 1,886,510; Nov. 8.
Plow, Combination. J. Arbur. 1,882,392; Dec. 26.
Plow, Corner. C. E. and G. O. Stroburg. 1,857,484; May 10.
Plow, elevating mechanism. J. E. Boda. 1,865,431; July 5.
Plow, Forester's fire-line. L. C. Hester. 1,888,128; Nov. 15.
Plow, Hardpan. A. Dukelow. 1,840,939; Jan. 12.
Plow, Lister. C. Hill. Re18,348; Feb. 2.
Plow, Motor traction. W. and M. H. Paterson. 1,858,749; May 17.
Plow, One-way. R. J. Altgelt and C. H. Gemberling. 1,892,199; Dec. 27.
Plow, plane. E. K. Spyker. 1,876,782; Sept. 13.
Plow, Power. H. H. Glasier. 1,886,005; Nov. 1.
Plow, Reversible rotary. L. Dufour. 1,892,485; Dec. 27.
Plow, Reversible tractor. I. W. Thayer. 1,883,399; Nov. 22.
Plow, Rotary. O. M. Bullock. 1,852,693; Apr. 5.
Plowshare. C. E. Wise. 1,858,697; May 17.
Plow, Snow. G. L. Gerlach. 1,882,382; Oct. 11.
Plow, Soil changing. W. C. Stumpf. 1,864,262; June 21.
Plow, Tandem subsoil. J. and A. Nelessen. 1,857,859; May 10.
Plow, Tractor. W. S. Graham. 1,842,779; Jan. 26.
Plow, Tractor. A. Mahan. 1,888,876; Nov. 22.
Plow, Tractor spade. G. H. Lewis. 1,874,768; Aug. 30.
Plow, Two-way. C. G. Strandlund. 1,864,958; June 28.
Plow, Wheeled. A. Kopycinski. 1,847,517; Mar. 1.
Plow, Wheeled gang. Z. D. Williams. 1,840,549; Jan. 12.
Plowing machine. W. and E. Hildebrand. 1,855,965; Apr. 26.
Plows, Attachment for. A. J. Miller. 1,890,261; Dec. 6.
Plows, Power life mechanism for. R. J. Altgelt and C. H. Gemberling. 1,873,273; Aug. 23.
Plows, Spring tooth harrow attachment for. R. H. Fike. 1,847,336; Mar. 1.

Plug and fuse, Combined. W. J. Macdonald. 1,886,706; Nov. 8.
Plug and making the same, Equatorially sealed spark. H. Rabezzana. 1,862,981; June 14.
Plug and making the same, Spark. H. Rabezzana. 1,872,496; Aug. 16.
Plug and making the same, Spark. H. Rabezzana. 1,872,497; Aug. 16.
Plug and receptacle, Wall. W. Noble. 1,881,883; Oct. 11.
Plug and socket, Fuse. A. K. Hart. 1,849,744; Mar. 15.
Plug and socket, Fuse. L. Schmidt, jr. 1,863,383; June 14.
Plug, Antenna. P. Dubilier. 1,839,381; Jan. 5.
Plug, Armored electrical. W. Huppert. 1,882,615; Oct. 11.
Plug, Attachment. J. P. T. Donahue. 1,846,251; Feb. 23.
Plug, Attachment. J. P. Eastman. 1,867,065; July 12.
Plug, Aviation. C. E. Leonard. 1,842,833–4; Jan. 26.
Plug, Base. Manufacture of glass filled screw. L. Bruzzone. 1,848,312; Mar. 8.
Plug calipering device. M. Schwarze. 1,882,993; Oct. 11.
Plug cap, Attachment. H. Hubbell, jr. 1,864,353; June 21.
Plug cap, Attachment. G. W. Lieberum. 1,866,362–3; July 7.
Plug, Cementing R. C. Baker. 1,839,861; Jan. 5.
Plug, Cementing. R. C. Baker. 1,858,215; May 10.
Plug, Circuit connecting. M. W. McArdle. 1,867,319; July 12.
Plug, Connecter. G. Hein. 1,882,590; Oct. 11.
Plug connecter for electric lamps. T. Lant. 1,845,424; Feb. 16.
Plug, Connecting. B. K. Ford. 1,841,468; Jan. 19.
Plug, Connecting. E. Riemenschneider. 1,862,097; June 7.
Plug controlling device for internal combustion engines, Sparking. A. Durst. 1,887,014; Nov. 8.
Plug, Convertible cap. L. Barnett. 1,879,783; Sept. 27.
Plug device, Electrical. L. P. Clark, jr. Des. 86,098; Jan. 26.
Plug, Electric. P. Allenic. 1,890,484; Dec. 13.
Plug, Electric. W. Huppert. 1,854,842; Apr. 19.
Plug, Electric. F. Kuhn and L. H. Thomas. 1,876,695; Sept. 13.
Plug, Electric. B. F. Muldoon. 1,884,121; Oct. 25.
Plug, Electric. H. Rochat. 1,842,842; Jan. 26.
Plug, Electric cap. R. Eckstein. Des. 86,910; May 10.
Plug, Electric connection. M. S. Runsvold. 1,857,663; May 10.
Plug, Electric heater. A. H. Massey. Des. 87,398; July 19.
Plug, Electric outlet. P. Lauter. Des. 86,613; Mar. 29.
Plug, External expulsion fuse. J. E. Sumpter. 1,877,618; Sept. 13.
Plug, Flash light. A. H. Post. 1,857,604; May 10.
Plug for automobile signaling devices, Attachment. F. J. Jaros and E. T. Jaros. 1,876,951; Sept. 13.
Plug for combination lamps, Contact. L. O. Parker. 1,871,910; Aug. 16.
Plug for electric heating devices, Attachment. M. W. Mcardle and G. Browning. 1,849,239; Mar. 15.
Plug for electrical appliances, Attachment. B. Snyder. 1,854,865; Apr. 19.
Plug for internal combustion engines, Spark. J. M. Auzin. 1,870,981; Aug. 9.
Plug for locks, Sectional key. F. E. Best. 1,892,419; Dec. 27.
Plug for plastic walls, Screw. A. Schmitt. 1,881,973; Oct. 11.
Plug for rolls, Closure. O. L. Bartlett. 1,861,294; May 31.
Plug for well tubes. C. A. Rasmussen. 1,842,116; Jan. 19.
Plug, Fuse. L. Bluman. 1,845,225; Feb. 16.
Plug, Fuse. T. B. Burno. 1,844,030; Feb. 9.
Plug, Fuse. A. G. Heller. 1,850,672; Mar. 22.
Plug, Fuse. T. W. Mertz. 1,847,970; Mar. 1.
Plug, Fuse. B. L. Moss. 1,843,792; Mar. 8.
Plug, Fuse. L. S. O'Neil. 1,886,299; Nov. 1.
Plug, Fuse. J. M. Rummler. 1,891,951; Dec. 27.
Plug, Fuse. L. Schmidt, jr. 1,841,638; Jan. 19.
Plug, Fuse. R. Trumbull. 1,848,757; Mar. 8.
Plug, Fuse. G. R. Trumbull. 1,867,784; July 19.
Plug, Fusible attachment. E. Adams. 1,876,823; Sept. 13.
Plug, Fusible disconnecting. H. P. Hastings. 1,875,378; Sept. 6.
Plug gauge. E. H. Aldeborgh. 1,861,172; May 31.
Plug gauge, Adjustable. E. H. Aldeborgh. 1,859,063; May 17.
Plug, Heat control emergency. A. Merdan. 1,859,977; May 24.
Plug, Ignition. H. J. Linse. 1,846,741; Feb. 23.
Plug-in device. C. Winter. 1,870,762; Aug. 9.
Plug, Indicating fuse. O. W. Feldmann. 1,849,917; Mar. 15.
Plug, Multiple contact. V. A. Johnson. 1,886,959; Nov. 8.
Plug, Multiple fuse. W. B. Ammerman. 1,848,924; Mar. 8.
Plug, Non-screw. A. R. Wolfe. 1,873,856; Aug. 23.
Plug, Oil and gas reclaiming. A. V. Lewis. 1,842,033; Jan. 19.
Plug, Oil and gas well. N. V. Shuster. 1,843,497; Feb. 2.
Plug, Oil well cementing. J. M. Owen. 1,851,289; Mar. 29.
Plug, Oil-well cementing. A. W. Walker. 1,872,855; Aug. 23.
Plug or the like, Fuse. E. J. Burns. 1,847,469; Mar. 1.
Plug, Outlet. E. W. Missel. 1,846,037; Feb. 23.
Plug, Paper roll hoisting. F. von der Horst. 1,857,091; May 3.
Plug, Pipe. J. R. Jahn and H. S. Duey. 1,876,947; Sept. 13.
Plug, Range boiler repair. C. T. Macfarlane. 1,846,400; Feb. 23.
Plug, Receptacle or similar article, Attachment. L. J. Cahn. Des. 87,428; July 26.
Plug, Reenforce rod and wall. J. McLaughlin. 1,891,104; Dec. 15.
Plug, Renewable fuse. R. M. Davis. 1,860,237; May 24.
Plug, Renewable fuse. W. H. Rumble. 1,846,660; Feb. 23.
Plug, Retainer. K. A. Brauning. 1,874,877; Aug. 30.
Plug, Salt water. J. Hanhardt. 1,874,975; Aug. 30.
Plug, Sealing. S. L. Boukard. 1,880,745; Oct. 4.
Plug, Separable attachment. H. A. Florsheim. 1,842,864; Jan. 26.
Plug, Separable attachment. H. Hubbell, jr. 1,866,933; July 12.
Plug, Spark. P. K. Devers and I. F. Hooper. 1,869,133; July 26.
Plug, Spark. C. E. Dewar. 1,840,437; Jan. 12.
Plug, Spark. J. D. Forsyth. 1,888,852; Nov. 22.
Plug, Spark. C. Gibilaro. 1,845,407; Feb. 16.
Plug, Spark. J. M. Lee. 1,853,129; Apr. 12.
Plug, Spark. J. Markowski. 1,892,355; Dec. 27.
Plug, Spark. T. G. McDougal. 1,872,778; Aug. 23.
Plug, Spark. M. Pasco. 1,857,739; May 10.
Plug, Spark. E. E. Pasteur and A. Sée. 1,867,677; July 12.
Plug, Spark. H. Rabezzana. 1,840,528; Jan. 12.
Plug, Spark. H. Rabezzana. 1,848,065; Mar. 1.
Plug, Spark. O. C. Rohde. 1,852,265; Apr. 5.
Plug, Spark. D. C. Smith and W. P. Walden. 1,891,693; Dec. 20.
Plug, Spark. N. Spinelli. 1,856,001; Apr. 26.
Plug structure, Sectional. G. L. Chamberlain. 1,872,678; Aug. 23.
Plug, Switch. C. C. Maurer and N. D. Vea. 1,874,021; Aug. 30.
Plug tester, Spark. M. B. Koons. 1,866,113; July 5.
Plug, Thermal cut-out. F. W. Palmer. 1,848,677; Mar. 8.
Plug, Thermostatic electrical. E. Walder. 1,857,900; May 10.
Plug, Thermostatic switch. E. Walder. 1,857,173; May 10.
Plug, Thermostatic switch. E. Walder. 1,857,899; May 10.
Plug, Tubing. H. C. Otis. 1,874,114; Aug. 30.
Plug, Ventable primable spark. E. B. Andersen. 1,866,385; July 5.
Plug, Well tubing. S. G. Forney and M. O. Boring. 1,852,512; Apr. 5.
Plug with make and break device, Electric. B. F. Mulligan. 1,856,260; May 3.
Plugging means for crucibles or the like. D. C. Dickson. 1,880,242; Oct. 4.
Plugs, Making pipe. H. Moore and W. H. Grinnell. 1,851,127; Mar. 29.
Plugs, Making spark. A. B. Schupp. 1,843,045; Jan. 26.
Plugs, Manipulating device for electric. R. H. Ireland. 1,845,793; Feb. 16.
Plum. L. Burbank. Pl. Pt. 12; Apr. 5.
Plum. L. Burbank. Pl. Pt. 13; Apr. 5.
Plum. L. Burbank. Pl. Pt. 14; Apr. 5.
Plum. L. Burbank. Pl. Pt. 16; May 10.
Plum. L. Burbank. Pl. Pt. 18; July 19.
Plumb and level. J. Mayes. 1,892,622; Dec. 27.
Plumb bob and chalk line. F. C. Spaeth and M. A. Gibson. 1,876,473; Sept. 6.
Plumb bob hanger. E. J. Murphy. 1,874,057; Aug. 30.
Plumbing apparatus. C. G. Butler. 1,844,460; Feb. 9.
Plumbing fitting. S. Kersten. 1,855,024; Apr. 19.
Plumbing fitting. M. A. Sisk. 1,878,195; Sept. 20.
Plumbing fixture. Kennedy. 1,855,354; Apr. 26.
Plumbing fixture adapter. F. C. Kuhnle. 1,868,665; July 26.
Plumbing fixture clip. H. M. Reed, jr. 1,887,663; Nov. 15.
Plumbing system. W. J. Luff. 1,878,948; Sept. 20.
Plumbing system. W. J. Luff. 1,878,949; Sept. 20.
Plunger lift, Multiple. L. C. Stukenborg. 1,886,253; Nov. 1.
Plunger operating mechanism for wrapping machines. W. B. Bronander. 1,885,893; Nov. 1.
Plunger, Pump. J. O. Dyer. 1,846,493; Jan. 12.
Plywood and the like, Method and apparatus for the formation of. T. W. Dike. 1,870,041; Aug. 2.
Plywood board and making the same. T. Satow. 1,877,322; Sept. 13.
Plywood, Making. T. W. Dike. 1,883,616; Oct. 18.
Plywood, Making. T. W. Dike, I. F. Laucks, and C. N. Cone. 1,883,617; Oct. 18.
Plywood, Making. H. W. Dunham. 1,873,827; Aug. 23.
Plywood, Method and apparatus for producing. A. B. Birtles. 1,883,499; Oct. 18.
Plywood, Method and apparatus for the formation of. T. W. Dike. 1,869,957; Aug. 2.
Pneumatic cleaner. E. Nielsen. 1,847,696; Mar. 1.

Pneumatic dispatch carrier. D. J. MacMillan. 1,870,258; Aug. 9.
Pneumatic dispatch system. C. S. Jennings. 1,840,394; Jan. 12.
Pneumatic dispatch system. C. S. Jennings. 1,861,964; June 7.
Pneumatic dispatch system. C. S. Jennings. 1,871,997; Aug. 16.
Pneumatic means for operating inspecting forms. M. E. Pierson. 1,887,783; Nov. 15.
Pneumatic separator. W. A. Duerr. 1,880,907; Oct. 4.
Pneumatic sounding device. A. Yurkovitch. 1,849,415; Mar. 15.
Pneumatic spring. G. A. Bonelli. 1,865,740; July 5.
Pneumatic wheel. A. J. Musselman. 1,877,360; Sept. 13.
P-nitroso-amine compounds of the aromatic series and the compounds obtainiable thereby, New process for preparing. K. Schirmacher and H. Schlichemaier. 1,867,103; July 12.
Pocket. E. A. Charles. 1,850,827; Mar. 22.
Pocket. J. Cramer and M. Sherr. 1,872,570; Aug. 16.
Pocket. R. S. Jennings. 1,869,261; July 26.
Pocket and cuff cleaner. W. H. Dorsey. 1,865,510; July 5.
Pocketbook. J. J. Dvorak. 1,862,665; June 14.
Pocketbook. C. A. Lledel. 1,874,554; Aug. 30.
Pocketbook top. C. J. McCabe and I. Schoenholz. 1,857,928; May 10.
Pocket cigar lighter. O. N. Berman. 1,886,461; Nov. 8.
Pocket construction, Garment. H. H. Reitz. 1,878,324; Sept. 20.
Pocketknife. R. E. Brown. 1,844,011; June 21.
Pocket, Reenforced trousers. M. L. Heath. 1,876,925; Sept. 13.
Point driver, Glazier's. H. Harris. 1,870,330; Aug. 9.
Point for piles and method of forming driven piles, Driving. P. Schneider. 1,844,871; Feb. 9.
Pointer for scales. H. J. Theis. 1,861,943; June 7.
Poison device, Rodent and vermin. R. F. Gibson and H. W. Woolley. 1,856,809; May 3.
Poison distributing machine. J. W. Duncan. 1,862,666; June 14.
Polarization diversity reception. W. Runge. 1,892,221; Dec. 27.
Polarizers of light and a method of preparation. H. Zocher. 1,873,951; Aug. 30.
Pole and shade support, Combined curtain. F. J. Rock. 1,849,957; Mar. 15.
Pole attachment for spray guns, Extension. W. B. Thompson. 1,849,511; Mar. 15.
Pole clamp, Auxiliary cross arm. F. W. Coffing. 1,849,789; Mar. 15.
Pole, Combination curtain. C. W. Kirsch. 1,842,787; Jan. 26.
Pole device, Trolley. E. A. Larsson. 1,858,402; May 17.
Pole fitting. A. O. Austin. 1,869,877; Aug. 2.
Pole gaining and boring machine. L. H. Geddes and J. H. Mansfield. 1,888,664; Nov. 22.
Pole grab. J. D. Esary and D. P. Garrison. 1,841,721; Jan. 19.
Pole motor, Shaded. W. J. Morrill. 1,850,765; Mar. 22.
Pole or mast construction. G. M. Magruder. 1,885,743; Nov. 1.
Pole setting apparatus and the like. H. L. Wheelden. 1,885,877; Nov. 1.
Pole splice clamp. T. H. Kingston and J. H. Norman. 1,863,247; June 14.
Pole, Steel. C. De Witt. 1,870,770; Aug. 9.
Pole structure. T. J. Crawford. 1,880,250; Dec. 20.
Pole top bracket. B. A. Plimpton. 1,865,134; June 28.
Pole top pin. K. A. Hawley. 1,863,539; June 14.
Pole, Trolley. P. Firm, jr. 1,847,002; Feb. 23.
Pole, Trolley. E. S. Tillinghast. 1,867,480; July 12.
Pole, Window. S. C. Lawlor. 1,865,526; July 5.
Poles, Attachment for prop. M. H. Schwelkert. 1,854,627; Apr. 19.
Poles by an interrupted or shunt path, Protection of wood. A. O. Austin. 1,863,080; June 14.
Poles, Making. A. C. Wallen. 1,880,900; Sept. 27.
Poles, Method of and apparatus for changing over power line. G. Hultman. 1,877,241; Sept. 13.
Poles or rail insulators, Utilizing wood. K. A. Hawley. 1,866,804; July 12.
Polisher. L. A. Olsen. 1,872,602; Aug. 16.
Polisher. J. E. S. Taylor. 1,856,136; Nov. 1.
Polisher, Floor. T. Glen, jr. 1,845,706; Feb. 16.
Polisher, Shoe. W. V. Van Etten. 1,853,588; Apr. 12.
Polisher, Stone. C. S. Cushman. 1,848,463; Mar. 8.
Polishing. F. Lach. 1,887,026; Nov. 8.
Polishing and grinding material and making same. F. A. Schwarz. 1,860,724; May 31.
Polishing apparatus. J. C. Richardson. 1,840,254; Jan. 5.
Polishing device for rolls. J. Williams. 1,880,622; Oct. 4.
Polishing device, Portable. R. A. Ponselle. 1,867,629; July 19.
Polishing machine. K. C. Bugg. 1,882,769; Oct. 18.
Polishing machine. R. M. Kincaid. 1,862,148; June 7.
Polishing machine. A. Littlefield. 1,849,719; Mar. 15.
Polishing machine. D. E. Mulholland. 1,847,410; Mar. 1.
Polishing machine. G. W. Veale. 1,875,962; Sept. 6.
Polishing machine, Electric floor. W. L. McGee. 1,865,032; June 28.
Polishing machine, Floor. C. C. Doub. Des. 86,706; Apr. 12.
Polishing machine, Lead pencil and like. F. Ehrhardt and C. Roeder. 1,887,260; Nov. 8.
Polishing machine, Rubber roller. T. L. Egnor. 1,888,589; Nov. 22.
Polishing wheel. P. A. Solem. 1,889,040; Nov. 29.
Polymerization products of diolefines. M. Luther and C. Heuck. 1,860,681; May 31.
Polymerization products of gamma butylenes. M. Mueller-Cunradi and P. Eggert. 1,889,952; Dec. 6.
Polymers of acetylene, Making. W. S. Calcott and F. B. Downing. 1,876,857; Sept. 13.
Polyphase lines, System and apparatus for synchronizing. F. Sieber. 1,861,166; May 31.
Pompons or the like, Apparatus for and method of attaching. M. M. Balsam. 1,854,301; Apr. 19.
Pontoon, Collapsible. R. Tomao. 1,844,993; Feb. 16.
Pontoon for flying machines, Collapsible. W. M. Carden. 1,866,451; July 5.
Pontoon seal for floating decks. J. F. Kimball. 1,867,845; July 19.
Pool and billiard court. F. W. Johnson. 1,881,387; Oct. 4.
Pool ball rack. A. M. Budde. 1,848,460; Mar. 8.
Pool level regulator, Supply. K. E. Peiler. 1,878,598; Sept. 20.
Pop corn machine. H. W. Eakins. 1,867,910; July 19.
Popper, Popcorn. G. B. Stewart. Des. 87,492; Aug. 2.
Porcelain enamels, Production of. K. Turk. 1,882,344; Oct. 11.
Porch water divider, Double. C. A. Hamsher. 1,846,723; Feb. 23.
Pork skinning machine. W. H. O'Connor. 1,852,187; Apr. 5.
Porous bodies, Making. N. Schönfeldt, R. Reichmann, and V. Engelhardt. 1,863,070; June 14.
Porous materials and the manufacturing process thereof. H. W. Greider. 1,880,810; Oct. 4.
Porous medium for aerating apparatus. W. T. Macdonald. 1,873,843; Aug. 23.
Porous objects, Making. A. J. Mendel. Re18,506; June 28.
Porous structure, Apparatus for impregnating and molding a. V. C. Apple. 1,888,613; Nov. 22.
Port cooler. E. J. McDonnell. 1,881,057; Oct. 4.
Port for centrifuges, Adjustable. G. B. Petsche and A. E. Drissner. 1,858,230; May 10.
Portable bar. W. J. Heuer. 1,891,157; Dec. 13.
Portable device for removing impurities from storage tanks. J. J. Tokheim. 1,844,614; Feb. 9.
Portable drill. A. H. King. 1,872,960; Aug. 23.
Portable electric fountain. S. B. Hutchings and W. L. Hanel. 1,880,130; Nov. 1.
Portable elevator. C. Evensen. 1,841,525; Jan. 19.
Portable fender straightening tool frame. J. B. Fleming. Des. 87,913; Oct. 11.
Portable fruit press. M. Buttiecl. 1,882,117; Oct. 11.
Portable furnace. J. A. Martin. 1,850,466; Mar. 22.
Portable heater. A. M. Peterson. 1,887,782; Nov. 15.
Portable mixer. W. J. Morrill. 1,866,138; July 5.
Portable repair stand. D. S. Davis. 1,879,123; Sept. 27.
Portable shears. G. A. Ungar. 1,848,147; Mar. 8.
Portable stand. C. Jaffin. 1,863,256; June 21.
Portfolio, Piano chart. J. J. Apffel. 1,841,310; Jan. 12.
Portfolio, Stationery. A. E. Osborn. 1,859,631; May 24.
Position finder. H. B. Kaston. 1,852,166; Apr. 5.
Position indicator. S. W. E. Andersson. 1,848,815; Mar. 8.
Position indicator for micrometers calipers and gauges. G. J. Murdock. 1,890,404; Dec. 6.
Positioning means for window stools. H. E. Campbell. 1,848,045; Mar. 1.
Positioning mechanism for billets and the like, Automatic. F. P. Dahlstrom. 1,880,374; Oct. 4.
Post. See—
Battery post. Fence post.
Battery terminal post. Lamp post.
Binding post. Signal post.
Elevation post. Tool post.
Post anchorage. J. B. Olson. 1,846,650; Feb. 23.
Post and clip, Winger channel. E. J. Paque. 1,890,338; Dec. 6.
Post and snow fence post, Combination steel fence line. W. D. Williams, F. Czemba, H. W. Wilson, and H. H. Lumley. 1,853,910; Apr. 12.
Post for chain post binders, Extension. P. O. Unger. 1,883,253; Oct. 18.
Post hole digger. S. E. Stoop. 1,868,081; July 19.
Post pocket. H. T. Anderson. 1,863,364; June 14.
Post puller. S. Kvall. 1,848,426; Mar. 8.
Postage meter. Wm. Mach. Sept. 20.
Postage meter machine. W. H. Wheeler jr., and J. W. Ogden. 1,874,073; Aug. 30.
Postal franking machine. F. E. Langdon. 1,867,514; July 12.
Postal machine. R. G. Whitlock. 1,879,964; Sept. 27.
Postal machine. R. G. Whitlock. 1,879,966; Sept. 27.
Postal machine, Hand operated. R. G. Whitlock. 1,879,967; Sept. 27.
Poster and easel. H. T. Buck. 1,846,988; Feb. 23.
Poster display apparatus. Morvan L. H. G. Mutschler and H. Whittaker. 1,879,416; Sept. 27.
Poster moistening machine. W. R. Bell. 1,855,468; Apr. 26.
Poster process. W. R. Bell. 1,874,862; Aug. 30.

Poster-supporting device. J. W. Dixon. 1,888,494; Nov. 22.
Posthole digger. D. L. McDowell. 1,888,929; Nov. 22.
Posting stand. R. Connor, N. S. Welk, and D. R. Zenner. 1,866,966; July 12.
Pot: *See*—
Annealing pot. Fire pot.
Coffee pot. Steam cooking pot.
Pot for artificial flowers or the like. D. H. Crosser. 1,845,701; Feb. 16.
Pot for pipe coatings, Traveling pouring. C. W. Cotton. 1,853,337; Apr. 12.
Pot for slug casting machines, Melting. G. E. Marlatt. 1,840,957; Jan. 12.
Pothead. J. Rab. 1,889,570; Nov. 29.
Pot head. A. G. Steinmayer. 1,851,736; Mar 29.
Pot head. A. G. Steinmayer. 1,851,737; Aug. 23.
Pothead. A. G. Steinmayer. 1,878,016; Sept. 20.
Pothead device. G. P. Edmonds. 1,891,213; Dec. 13.
Pothead device. C. F. Williams. 1,859,249; May 17.
Pot or similar article, Coffee. L. Guild. Des. 86,671; Apr. 5.
Pot with signal whistle for boiling milk in steam baths. W. Lambach. 1,853,438; Apr. 12.
Pots, Device for emptying glass melting. M. Fincke. 1,843,152; Feb. 2.
Pots, Device for emptying glass melting. W. Spiekermann. 1,843,179; Feb. 2.
Potassium and/or sodium ferro-cyanide in the purification of coal gas, Obtaining. R. Brandt. 1,855,090; Apr. 19.
Potassium, Determination of. E. Sherrill. 1,849,960; Mar. 15.
Potassium in fertilizers, Determining the quantity of. E. L. Parker. 1,868,364; July 19.
Potassium metal or sodium potassium metal alloy. R. Thum. 1,872,811; Aug. 16.
Potassium nitrate and sodium carbonate, Production of. C. T. Thorssell. 1,848,756; Mar. 8.
Potassium nitrate, The Production of. C. T. Thorssell. 1,878,733; Sept. 20.
Potassium phosphate from potassium aluminate in solutions, Separating. R. Schulze. 1,873,490; Aug. 23.
Potassium sulphate, ammonia sulphate, and alumina from alunite, Producing. H. Tanaka. 1,850,038; Mar. 15.
Potato cutter. W. O. Smith. 1,880,310; Oct. 4.
Potato digger. T. W. H. Clarke. 1,850,658; Mar. 22.
Potato digger. J. Morcau. 1,848,265; Mar. 8.
Potato digger. J. A. Parent. 1,857,212; May 10.
Potato digger. M. S. Reynolds. 1,845,189; Feb. 16.
Potato digger. J. L. Twentyman. 1,864,382; June 21.
Potato digger, Double-row. E. W. Johnson. 1,882,636; Oct. 11.
Potato digger, Power driven. A. E. W. Johnson and W. C. Dwyer. 1,888,504; Nov. 22.
Potato digging apparatus. H. L. Hansen. 1,848,781; Mar. 8.
Potato digging machine. G. O. Currie. 1,864,484; June 21.
Potato digging machine. E. W. Johnson. 1,872,744; Aug. 23.
Potato gathering machine. H. Hoffmeister. 1,858,708; June 14.
Potato harvesting machine. K. Hanstad. 1,863,113; June 14.
Potato harvesting machine. M. Licht. 1,872,639; Aug. 16.
Potato picker. A. Pearson. 1,876,150; Sept. 6.
Potato pile planting machine. C. Eddleman. 1,839,957; Jan. 5.
Potato planting machine. C. M. Wheeler. 1,847,505; Mar. 1.
Potato sacker. D. H. Paisley. 1,862,424; June 7.
Potato sacker. D. E. Rath. 1,881,030; Oct. 4.
Potato topper destroyer. A. Sternemann. 1,870,332; Aug. 9.
Potatoes, Apparatus for peeling. R. Speidel. 1,886,061; Nov. 1.
Potential or current in a cable or other metallic conductor, Apparatus for indicating the presence of. H. A. Hidde Nijland. 1,867,944; July 19.
Potentiometer, Metallic slide wire. W. Koenig, jr. 1,858,364; May 17.
Potentiometer, Recording. F. F. Uehling. 1,841,558; Jan. 19.
Pottery, Method of and apparatus for automatically reshaping and decorating ware in the manufacture of. W. J. Miller. 1,842,622; Jan. 26.
Pottery ware, Method of and apparatus for manufacturing. W. J. Miller. 1,868,425; July 19.
Pouch. E. Soreny. 1,883,043; Oct. 18.
Pouch, Key. J. A. Farrelly. 1,848,971; Mar. 8.
Pouch making attachment for packaging machines. W. B. Bronander. 1,888,786; Nov. 22.
Poultry brooding house. C. J. Kelley. 1,858,710; May 17.
Poultry catcher. M. Fisher. 1,862,472; June 7.
Poultry cooper's helper. R. L. Brookshire and F. John. 1,879,059; Sept. 27.
Poultry fountain. D. B. Tolley. 1,877,084; Sept. 13.
Poultry watering apparatus. B. F. Dean. 1,843,021; Jan. 26.
Pounding machine. W. T. Minett. 1,849,241; Mar. 15.
Pouring can. W. E. Guyer. 1,881,403; Oct. 4.
Pouring device. J. F. Tichy. 1,892,595; Dec. 27.
Pouring device, Automatic. M. W. Goldberg. 1,848,249; Mar. 8.
Powder and making the same, Lead oxide. C. A. Hall. 1,888,823; Nov. 22.
Powder and making the same, Propellant. W. B. Wagner. 1,862,914–15; June 14.
Powder and manufacturing the same, Blasting. R. L. Hill. 1,845,664; Feb. 16.
Powder and manufacturing the same, Blasting. R. L. Hill. 1,850,106; Mar. 22.
Powder and method of making, Metallic. J. A. Gann. 1,871,450; Aug. 16.
Powder and method of manufacturing same, Dusting. G. E. Sanders. 1,870,383; Aug. 9.
Powder and the like, Dusting. R. E. Lester. 1,849,354; Mar. 15.
Powder, Black blasting. R. L. Hill. 1,845,663; Feb. 16.
Powder box. E. E. Brooks. 1,856,743; May 3.
Powder box. P. Dmitrenko. 1,875,572; Sept. 6.
Powder box, Duplex face. G. A. Pfeiffer. 1,860,550; May 31.
Powder box, Talcum. F. N. Lewis. Des. 87,011; May 24.
Powder composition, Black. W. A. McIntyre. 1,882,853; Oct. 18.
Powder, Delay. G. G. Hale. 1,877,127; Sept. 13.
Powder-dispensing device. O. Wallo. 1,868,298; July 19.
Powder feeder, Face. F. J. Vicki. 1,875,834; Sept. 6.
Powder for preventing battery post corrosion. F. L. Schubring. 1,877,067; Sept. 13.
Powder, Manufacturing smokeless. R. Weingand and H. I. Schulz. 1,890,960; Dec. 13.
Powder, Nitrocellulose propellant. R. C. Woodbridge. 1,854,776; Apr. 19.
Powder puff. G. G. Harrison. 1,852,566; Apr. 5.
Powder puff. E. E. Hurst, sr. Des. 85,988; Jan. 12.
Powder puff. J. J. Quinn. 1,873,030; Aug. 23.
Powder puff and making the same. R. Bihler. 1,864,886; June 28.
Powder sifter box, Loose. S. L. Pomerantz. Des. 87,482; Aug. 2.
Powder spray. A. M. de Quincy and F. Johnson. 1,854,458; Apr. 19.
Powdered fuel burner. J. D. Troup. 1,874,390; Aug. 30.
Powdered fuel furnace. R. A. Foresman. 1,860,239; May 24.
Powdered fuel furnace. H. J. Kerr. 1,892,662; Dec. 27.
Powdering apparatus. S. Lipsius. 1,859,304; May 24.
Powdering machine. C. T. Hatch. 1,881,549; Oct. 11.
Powders, Making double base. W. E. Wagner. 1,890,241; Dec. 6.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,840,882; Jan. 12.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,844,631–2; Feb. 9.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,848,022–3; Feb. 23.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,847,999–1,848,000; Mar. 1.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,854,367; Apr. 19.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,871,299; Aug. 9.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,872,660; Aug. 23.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,879,598; Sept. 27.
Power actuator for brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,882,543; Oct. 11.
Power amplification, Method and apparatus for. M. E. Thompson. 1,851,549; Mar. 29.
Power amplifier. E. T. Burton. 1,856,373; May 3.
Power amplifying machine. E. L. Schellens. 1,846,362; Feb. 23.
Power and metering system and apparatus, Off-peak. M. B. Wood. 1,873,600; Aug. 23.
Power and motion transmission mechanism. S. A. Farrell. 1,862,471; June 7.
Power and transmission apparatus, Motor vehicle. A. H. Neuland. 1,890,015; Dec. 6.
Power apparatus. H. S. Pardee. 1,847,260; Mar. 1.
Power application and control means. H. F. Bakewell. 1,851,174; Apr. 29.
Power apportioning means. A. D. Robbins. 1,857,978; May 10.
Power at a variable ratio, Device for transmitting. E. S. Welty. 1,841,263; Jan. 12.
Power attachment. A. Jackson. 1,850,350; Mar. 22.
Power belt. R. J. Stokes. 1,860,269; May 24.
Power brake. N. Lombard. 1,878,756; Sept. 20.
Power braked mobile drill. D. C. Klausmeyer. 1,875,016; Aug. 30.
Power control apparatus, Electric. H. T. Maser. 1,874,777; Aug. 30.
Power control mechanism for automobiles, Automatic. E. H. Lange. 1,861,918; May 31.
Power converting apparatus, Electric. R. B. Ayer. 1,848,092; Mar. 1.
Power converting apparatus, Electric. A. S. FitzGerald. 1,891,084; Dec. 13.
Power converting apparatus, Electric. C. A. Sabbah. 1,870,027; Aug. 2.
Power converting apparatus, Electric. C. H. Willis. 1,873,802; Aug. 23.

Power cutting machine for printers' borders. J. D. Keenan and E. Figge. 1,858,552; May 17.
Power device. A. Bullock. 1,848,992; Mar. 8.
Power device. W. A. Rarig. 1,861,880; June 7.
Power device, Auxiliary. S. B. Brown. 1,857,832; Nov. 15.
Power device for operating reverse gears. J. Kindervater. 1,847,693; Mar. 1.
Power, Device for the transmission of. C. T. Walton. 1,878,078; Sept. 20.
Power, Device for the transmission of mechanical. A. B. Craig. 1,865,839; July 5.
Power device, Hydraulic. W. R. Morris. Re18,410; Apr. 5.
Power device, Hydraulic. W. M. Watson. 1,850,820; Mar. 22.
Power dipper trip. A. W. Anderson. 1,845,779; Feb. 16.
Power driven reel. F. J. Littell. 1,885,612; Nov. 1.
Power driven shears. U. F. L. Steindorff and G. A. Ungar. 1,848,145; Mar. 8.
Power factor controlling device. A. Nyman. 1,845,173; Feb. 16.
Power factor regulation of alternating current machines. A. F. Heinrich. 1,879,229; Sept. 27.
Power fixture for elevator door operators. R. S. Peelle. 1,872,339; Aug. 16.
Power from the driving or traction wheels of motor vehicles, Transmission of. E. T. James. 1,846,730; Feb. 23.
Power generating system. C. F. Strong. 1,866,494; July 5.
Power generation, Electric. F. W. Gay. 1,846,389; Feb. 23.
Power guide roller. E. Silen. 1,876,773; Sept. 13.
Power head for soot cleaners. F. C. Arey. 1,886,515; Nov. 8.
Power in connection with paper manufacture, Method of and apparatus for supplying. H. G. Chatain. 1,851,751; Mar. 29.
Power jack. R. Dunham. 1,841,884; Jan. 19.
Power level in a signal transmitting system, Equalization of. D. Mitchell. 1,853,070; Apr. 12.
Power lift. R. H. Mitchell and J. A. Vaughn. 1,888,511; Nov. 22.
Power lift. F. W. Perry and E. L. Wiegand. 1,846,436; Feb. 23.
Power lift attachment for tractors, Hydraulic. A. C. Lindgren and W. A. Hurtby. 1,842,790; Jan. 26.
Power lines, Device for carrying. M. Hespeler. 1,870,510; Aug. 9.
Power measuring and telemetering apparatus. B. D. Bedford. 1,869,128; July 26.
Power mechanism. E. A. Rockwell. 1,885,767; Nov. 1.
Power mechanism for operating buckets of centrifugal molding apparatus. J. R. McMullin. 1,851,223; Oct. 4.
Power mechanism for wells. J. G. Gibson. 1,873,380; Aug. 23.
Power of automotive vehicles, Device for utilizing the motive. E. Lobo, sr., and E. Lobo, jr. 1,850,019; Mar. 15.
Power operating mechanism for typewriters. E. T. Cope, R. D. Parkinson, and F. M. Price. 1,863,744; June 21.
Power panel, Oil immersed. H. G. Baxter and G. G. Shannonhouse. 1,871,651; Aug. 16.
Power plant. K. Bauman. 1,856,616; May 3.
Power plant. C. B. Jahnke and A. C. Boock. 1,843,162; Feb. 2.
Power plant. R. E. Lasley. 1,854,615; Apr. 19.
Power plant. R. E. Lasley. 1,857,556; May 10.
Power plant. R. E. Lasley. 1,874,314; Aug. 30.
Power plant. R. C. Roe. 1,857,332; May 10.
Power plant. R. J. Talbot. 1,849,386; Mar. 15.
Power plant, Elastic fluid. P. Dettenborn. 1,889,594; Nov. 29.
Power plant with a plurality of generators provided with automatic voltage regulation, Electric. A. Ytterberg. 1,847,585; Mar. 1.
Power press. M. R. Hatch and A. H. Schloz. 1,861,181; May 31.
Power press, Clutch driven. F. C. B. Page. 1,848,194; Mar. 8.
Power press, Triple action. A. Seidel and M. R. Hatch. 1,871,088; Aug. 9.
Power presses, Nonrepeat mechanism for. J. A. Falleson. 1,872,132; Aug. 16.
Power presses, Operating means for. W. G. Humphrey. 1,876,944; Sept. 13.
Power rectifier anode, Electric. O. Seitz. 1,887,069; Nov. 8.
Power shovel. P. Burke. 1,852,289; Apr. 5.
Power shovel. S. Lutes. 1,885,741; Nov. 1.
Power shovel. W. W. Sloane. 1,859,263; May 17.
Power shovel. W. W. Sloane. 1,861,194; May 31.
Power source. P. Thir. 1,870,451; Jan. 5.
Power steering mechanism for automobiles. O. N. Farley. 1,872,714; Aug. 23.
Power supply system. F. W. Gay. 1,849,518; Mar. 15.
Power supply system. H. D. James. 1,860,099; May 24.
Power supply system. H. M. Stoller. 1,856,665; May 3.
Power supply, System of. P. P. Sosinski. 1,866,179; July 5.
Power system. E. W. Bradenstein. 1,852,798; Apr. 5.
Power system. P. A. Byles. 1,870,037; Aug. 2.
Power system. F. A. Byles. 1,870,092; Aug. 2.
Power system. E. M. Johnson. 1,890,329; Dec. 6.
Power system. E. M. Johnson and H. C. Pierson. 1,883,929; Oct. 25.
Power system. J. J. Kane. 1,841,605; Jan. 19.
Power system. A. Kennedy, jr. 1,847,950; Mar. 1.
Power system. R. T. Sawyer. 1,871,472; Aug. 16.
Power system, Steam. S. L. and J. N. Wyndham. 1,841,869; Jan. 19.
Power systems, Apparatus for controlling. W. C. Dean. 1,852,151; Apr. 5.
Power take off. R. S. Beatty. 1,884,526; Oct. 25.
Power take-off. W. Besonson. 1,858,700; May 17.
Power take-off. C. J. Esseling. 1,867,257; July 12.
Power take-off. R. Hamilton. 1,849,144; Mar. 15.
Power take-off. E. W. Holland. 1,885,951; Nov. 22.
Power take-off, Automatic. A. R. Alwood. 1,852,911; Apr. 5.
Power take-off device. R. Nastrom. 1,888,513; Nov. 22.
Power take off for Ford trucks. J. F. Horste. 1,860,246; May 24.
Power take-off for motor driven vehicles. E. W. Huwe. 1,881,609; Oct. 11.
Power take-off for motor vehicles. N. O. Holmsten 1,882,092; Oct. 11.
Power take-off mechanism. C. P. Galanot. 1,872,924; Aug. 23.
Power take-off mechanism for automobiles. F. P. Herman. 1,862,400; June 7.
Power transferring mechanism. D. S. Hays. 1,856,835; May 3.
Power translator. M. P. Winther. 1,848,091; Mar. 1.
Power transmission. H. O. Boehme, E. Knopp, and F. Kunz. 1,844,239; Feb. 9.
Power transmission. S. C. Carter. 1,883,550; Oct. 18.
Power transmission. H. E. Curtis. 1,879,843; Sept. 27.
Power transmission. L. J. Hedstrom. 1,873,200; Aug. 23.
Power transmission. A. Howard. 1,860,182; May 24.
Power transmission. J. Jandasek. 1,855,967; Apr. 26.
Power transmission. Ljungström. 1,861,418; May 31.
Power transmission. A. Piepkorn. 1,843,695; Feb. 2.
Power transmission. C. F. Rauen. 1,842,798; Jan. 26.
Power transmission. A. G. Rayburn. 1,840,870; Jan. 12.
Power transmission. A. G. Rayburn. 1,840,872; Jan. 12.
Power transmission. A. G. Rayburn. 1,840,875; Jan. 12.
Power transmission. F. A. and J. Reece. 1,845,332; Feb. 16.
Power transmission. J. and F. A. Reece. 1,853,454; Apr. 12.
Power transmission and controlling means. H. E. Curtis. 1,848,098; Mar. 8.
Power transmission apparatus. H. L. Joyce. 1,867,843; July 19.
Power transmission apparatus. E. M. and A. G. Rayburn. 1,840,864; Jan. 12.
Power transmission apparatus. A. G. and E. M. Rayburn and J. W. Sumner. 1,840,866; Jan. 12.
Power transmission apparatus. E. M. and A. G. Rayburn and J. W. Sumner. 1,840,868; Jan. 12.
Power transmission coupling. J. Bibby. 1,891,969; Dec. 27.
Power transmission device. F. X. Graser. 1,840,161; Jan. 5.
Power transmission device. G. H. Hambley. 1,875,237; Aug. 30.
Power transmission device. C. W. Weiss. 1,881,154; Oct. 4.
Power transmission device, Flexible. H. Lacroix. 1,853,770; Apr. 12.
Power transmission devices, Control means for. W. B. McCall. 1,839,971; Jan. 5.
Power transmission, Fluid operated. A. G. Rayburn. 1,840,873; Jan. 12.
Power transmission for agricultural machines. D. P. Davies. 1,871,306; Aug. 9.
Power transmission for motor road vehicles and the like. J. E. Cache. 1,878,375; Sept. 20.
Power transmission for mowers. C. E. Rush. 1,887,789; Nov. 15.
Power transmission for shaping machines. W. F. Zimmerman. 1,846,297; Feb. 23.
Power transmission, Hydraulic. A. G. and E. M. Rayburn, and J. W. Sumner. 1,840,867; Jan. 12.
Power transmission means. L. M. Dieterich. 1,871,782; Aug. 16.
Power transmission means. P. Kapitza and G. V. Lomonossoff. 1,886,692; Nov. 8.
Power transmission, Mechanical torque multiplying and speed varying. A. G. Rayburn. 1,840,871; Jan. 12.
Power transmission mechanism. J. Cage. 1,848,315; Mar. 8.
Power transmission mechanism. G. C. Chase. 1,846,583; Feb. 23.
Power transmission mechanism. H. E. Curtis. 1,861,909; June 7.
Power transmission mechanism. A. A. Densmore. 1,883,342; Oct. 18.
Power transmission mechanism. E. S. Hall. 1,891,927; Dec. 27.
Power transmission mechanism. C. W. Hansen. 1,889,600; Nov. 29.
Power transmission mechanism. C. E. Henriod. 1,892,616; Dec. 27.
Power transmission mechanism. N. Legge. 1,862,188; June 7.

Power transmission mechanism. P. Martin. 1,885,746; Nov. 1.
Power transmission mechanism. H. J. Murray. 1,849,721; Mar. 15.
Power transmission mechanism. P. M. Salerni. 1,863,110; June 14.
Power transmission mechanism. P. M. Salerni. 1,863,128; June 14.
Power transmission mechanism. E. A. Thompson. 1,873,725; Aug. 23.
Power transmission mechanism. E. A. Thompson. 1,876,098; Sept. 6.
Power transmission mechanism, Electromagnetic. G. E. W. Götz. 1,844,322; Feb. 9.
Power transmission, One way drive. A. G. Von Soden-Fraunhofen and H. F. Von Thungen. 1,856,007; Apr. 26.
Power transmission, Selective. W. M. and G. Evans. 1,886,537; Nov. 8.
Power transmission system, Hydraulic. L. E. Godfriaux 1,855,912; Apr. 26.
Power transmission, Variable speed. A. G. Rayburn. 1,849,569; Jan. 13.
Power transmitter, Hydraulic. G. Bauer and W. Brose. 1,860,701; May 31.
Power transmitter, Hydraulic. G. A. Klimek. 1,859,448; May 24.
Power transmitting and distributing mechanism. R. W. Darby. 1,855,955; Apr. 26.
Power transmitting apparatus. A. G. Rayburn. 1,840,876; Jan. 12.
Power transmitting apparatus. H. L. Tanner. 1,874,383; Aug. 30.
Power transmitting device. W. W. Everts. 1,841,021; Jan. 19.
Power transmitting device. F. J. Kelly. 1,874,756; Aug. 30.
Power transmitting devices, Making toothed. J. Edgar. 1,883,636; Oct. 18.
Power transmitting lines, Automatic length adjuster for reciprocating. J. L. Kilchenstein. 1,853,769; Apr. 12.
Power transmitting mechanism. V. J. Defays and P. J. Lefebvre. 1,868,001; July 19.
Power transmitting mechanism. M. B. A. Doring. 1,872,855; Sept. 6.
Power transmitting mechanism. H. C. Harrison. 1,865,005; June 28.
Power transmitting mechanism for lathes or the like. E. R. Llewellyn. 1,853,737; Apr. 12.
Power transmitting mechanism for motor vehicles. L. P. Moores. 1,845,519; Feb. 16.
Power transmitting mechanism in prime movers. W. F. Thomas. 1,869,288; July 26.
Power transmitting members to compensate for temperature changes, Automatic length adjustment of. J. L. Kilchenstein. 1,853,768; Apr. 12.
Power transmitting system. H. Föttinger. 1,848,615; Mar. 8.
Power unit. W. B. and L. B. Harris. 1,744,386; Feb. 9.
Power unit. R. Hoe. 1,864,304; June 31.
Power unit. W. A. J. Krohn. 1,863,202; June 14.
Power unit. E. A. Rockwell. 1,865,644; July 5.
Power unit, Household. R. Hoe. 1,848,529; Mar. 8.
Power unit, Portable. A. M. Bevier. 1,890,927; Dec. 13.
Power unit, Self-contained impulse actuated internally propelled. W. Gilmer. 1,858,686; May 17.
Power units in a well against rotation, Apparatus for holding rotary drilling. T. G. Taylor. 1,870,697; Aug. 9.
Power utilizing appliance for motor vehicles. C. W. Sumerlot. 1,858,314; May 17.
Prealloys. J. Novák and R. Kesselring. 1,890,548; Dec. 13.
Precipitating apparatus and process. J. Skogmark. 1,857,884; May 10.
Precision instrument. F. S. Stickney. 1,844,529; Feb. 9.
Precision measuring tank. D. Read. 1,874,349; Aug. 30.
Precoating device. S. E. Cahoon and W. Bachelder. 1,871,878; Aug. 16.
Precoating device. A. French. 1,859,295; May 24.
Preheater for boiler feed water. S. Von Le Juge. 1,841,200; Jan. 12.
Preheater for vapor stoves. A. J. Yeager. 1,847,371; Mar. 1.
Preheating furnace. T. F. Powers. 1,865,954; July 5.
Preignition in internal combustion engines, Preventing. A. J. Ducamp. 1,868,053; July 19.
Preparation of alpha cellulose pulp by attrition. H. H. Hanson and S. E. Seaman. 1,851,008; Mar. 29.
Preparation of cellulose solutions. H. P. Bassett. 1,869,040; July 26.
Preparation of emulsions for sizing textile fibers. G. Lefranc. 1,872,927; June 7.
Preparation of fiber and fiber pulp. R. B. Brown. 1,883,876; Oct. 25.
Preparation of the hormone of the anterior lobe of the pituitary gland, Recovery of a water soluble. W. Schoeller and M. Gehrke. 1,857,878; May 10.
Preparation of wetting agents. H. Lier and A. Rheiner. 1,851,394; Mar. 29.
Preparation of wetting agents for use in mercerizing lyes. H. Lier. 1,851,393; Mar. 29.
Preparations for aryldiazonium fluoborates yielding concentrated diazo solutions and making same, Solid. K. Schnitzspahn. 1,862,241; June 7.
Preparations having an action like tuberculin and producing them. C. L. Lautenschläger. 1,850,556; Mar. 22.
Preparations which give off oxygen and manufacture of same. W. Zisch. 1,890,875; Dec. 13.
Preregistering means for photocomposer printing plates. W. C. Huebner. 1,860,361; May 31.
Preservative, Wood. M. J. Reusz. 1,852,090; Apr. 5.
Preservatives, Apparatus for preparing. J. Reid. 1,882,904; Oct. 18.
Preserving. G. W. Mullen. 1,881,855; Oct. 11.
Press: *See*—
Alkali-cellulose press.
Automobile axle press.
Bacon press.
Baling press.
Bead strip attaching press.
Bed and cylinder printing press.
Brick press.
Briquet press.
Briquetting press.
Cable compacting press.
Cheese press.
Coat and trousers press.
Color printing and cutting press.
Color printing press.
Cotton baling press.
Cotton press.
Cylinder printing press
Dental swaging press.
Denture press.
Draw press.
Drawing press.
Extrusion press.
Filter press.
Food press.
Fruit press.
Garment or ironing press.
Garment press.
Grape press.
Hat press.
Hay press.
Heel press.
Hydraulic press.
Ironing press.
Label press.
Laundry press.
Lead press.
Matrix molding press.
Meat press.
Metal banding press.
Metal drawing press.
Metal extrusion press.
Metal lath slitting press.
Metal working press.
Meter press.
Multicolor printing press.
Noodle press.
Offset press.
Pad press.
Paper press.
Portable fruit press.
Power press.
Printing press.
Pulp screw press.
Punch press.
Racket press.
Roof press.
Rotary imprinting press.
Rotary filter press.
Rotary printing press.
Sheet metal press.
Shoe press.
Shoe sole press.
Shoulder and arm press.
Sleeve press.
Sole press.
Tie press.
Tire press.
Tobacco press.
Transfer press.
Veneer press.
Vulcanizing press.
Web fed printing press.
Wire extrusion press.
Press and the like, Rotary. F. C. E. Jones. 1,867,529; July 12.
Press and the like, Screw. J. Strindlund. 1,886,755; Nov. 8.
Press attachment, Printing. J. N. Canning. 1,864,231; June 21.
Press attachment, Printing. C. H. Martin. 1,861,411; May 31.
Press-button-lock. A. Ruef. 1,862,320; June 7.
Press clamp. R. C. Pauly. 1,857,657; May 10.
Press construction. R. B. Hall. 1,861,391; May 31.
Press feeding mechanism, Automatic. C. F. Root. 1,841,632; Jan. 19.
Press for belts or the like. D. J. Gregory and W. C. Tifft. 1,866,785; July 12.
Press for commutator rings and the like. E. Cooper. 1,856,319; May 3.
Press for drawing sheet metal. C. J. Rhodes. 1,846,610; Feb. 23.
Press for fiber boards. H. P. L. Laussucq. 1,854,341; Apr. 19.
Press for making mops. R. L. Horsley. 1,882,605; Oct. 11.
Press for molist material. K. Sohler. 1,840,263; Jan. 5.
Press for molding inlite battery boxes, Multiple hydraulic. H. D. Geyer. 1,865,464; July 5.
Press for newspapers and the like, Baling. H. V. Rasmussen. 1,856,885; May 3.
Press for the extrusion of metals. E. E. Judge and F. H. Fry. 1,856,483; May 3.
Press for use in paper making. G. D. Kilberry. 1,843,876; Feb. 2.
Press guard. J. P. Udal. 1,875,527; Sept. 6.
Press intensifier, Automatically controlled hydraulic. F. Kurath. 1,888,990; Nov. 29.

Press loader. W. H. Mason. 1,849,307 ; Mar. 15.
Press mat, Moisture straining. H. M. Halls. 1,844,249 ; Feb. 9.
Press paper gripper, Printing. W. W. Herbst. 1,848,629 ; Mar. 8.
Press punching attachment, Printing. C. W. Brenn. 1,858,982 ; May 17.
Press structure, Printing. I. Tornberg. 1,886,762 ; Nov. 8.
Press system. T. F. Stacy. 1,859,058 ; May 17.
Presser and stretcher for trousers or other fabric garments or articles. J. S. Corby. 1,885,803 ; Nov. 1.
Presser finger. H. L. Seavers and F. G. Bernstein. 1,852,482 ; Apr. 5.
Presser foot mechanism. L. G. Bowman. 1,880,749 ; Oct. 4.
Presser, Necktie. G. R. Soulé. 1,889,041 ; Nov. 29.
Presses and the like, Automatic feed mechanism for punch. J. Whitk. 1,867,043 ; July 12.
Presses, Automatic feed for assembling. R. A. Skriba and F. J. Littell. 1,882,197 ; Oct. 11.
Presses, feeding attachment for bookbinder. E. L. Persons. 1,863,165 ; June 14.
Pressing and ironing machine. C. E. Waream. 1,871,436 ; Aug. 16.
Pressing apparatus. A. O. Long. 1,840,965 ; Jan. 12.
Pressing element for pressing machines, Reversible. E. A. Winnemuller. 1,852,496 ; Apr. 5.
Pressing head. J. F. Raynolds. 1,852,374 ; Apr. 5.
Pressing iron, Electric steam. M. A. Schwartz. 1,851,777 ; Mar. 29.
Pressing machine. P. N. Braun. 1,841,005 ; Jan. 12.
Pressing machine. P. N. Braun. 1,864,359 ; June 28.
Pressing machine. P. N. Braun. 1,874,876 ; Aug. 30.
Pressing machine. E. Davis. 1,860,236 ; May 24.
Pressing machine. E. Davis. 1,877,453 ; Sept. 13.
Pressing machine. H. D. Forse. 1,886,799 ; Nov. 8.
Pressing machine. T. G. Jasper. 1,849,402 ; Mar. 15.
Pressing machine. T. G. Jasper. 1,890,579 ; Dec. 13.
Pressing machine. T. B. McCarthy. 1,890,100 ; Sept. 27.
Pressing machine. E. V. McTague. 1,890,882 ; Dec. 13.
Pressing machine. J. P. Singiser. 1,851,990 ; Apr. 5.
Pressing machine. J. P. Singiser. 1,890,341 ; Dec. 6.
Pressing machine, Automatically illuminated. H. D. Forse. 1,845,141 ; Feb. 16.
Pressing machine, Combined foot and power operated. E. Davis. 1,852,953 ; Nov. 1.
Pressing machine element construction for garment and laundry pressing machine. E. Davis. 1,876,626 ; Sept. 13.
Pressing machine, High pressure and low pressure. E. Davis. 1,877,752 ; Sept. 13.
Pressing machine pad. F. S. La Chapelle. 1,844,128 ; Feb. 9.
Pressing machine (pressure operated buck). E. Davis. 1,870,610 ; Aug. 9.
Pressing machine, Upper. J. W. Loney. 1,855,247 ; Apr. 26.
Pressing machine with storage tanks. E. Davis. 1,885,310 ; Nov. 22.
Pressing machine with work support. P. N. Braun. 1,875,579 ; Sept. 6.
Pressing machines, Actuating follow-up mechanism for. E. Davis. 1,852,507 ; Apr. 5.
Pressing machines, Actuating mechanism for. E. Davis. 1,849,209 ; Feb. 9.
Pressing machines, Actuating mechanism for. E. Davis. 1,849,913 ; Mar. 15.
Pressing machines, Air circulating means for. E. Davis. 1,876,277 ; Sept. 6.
Pressing machines, Follow-up actuating mechanism for. E. Davis. 1,885,283 ; Nov. 1.
Pressing machines, Tandem controlling mechanism for. E. Davis. 1,864,808 ; June 28.
Pressing member. H. D. Forse. 1,867,620 ; July 19.
Pressing, Method of and apparatus for. H. D. Forse. 1,888,163 ; Nov. 15.
Pressure actuated switch. W. C. Heath. 1,876,926 ; Sept. 13.
Pressure and gravity air and water release. D. N. Stimmler. 1,852,904 ; Apr. 5.
Pressure and temperature distillation, Constant. D. G. Brandt. 1,872,879 ; Aug. 23.
Pressure, Apparatus for applying. J. D. Small. 1,843,002 ; Jan. 26.
Pressure applying device for rotary power operated surfacing tools. E. Cavicchi. 1,871,042 ; Aug. 9.
Pressure balancer. H. H. Robinson. 1,845,722 ; Feb. 16.
Pressure brake, Fluid. Chevillot, L. Livet, and G. Daux. 1,860,406 ; May 31.
Pressure brake, Fluid. S. G. Down. 1,891,669 ; Dec. 20.
Pressure control for fluid dispensing devices. R. V. Latham. 1,891,882 ; Dec. 20.
Pressure control head. L. J. Black. 1,872,105 ; Aug. 16.
Pressure control mechanism. G. A. DeLangle. 1,873,303 ; Aug. 23.
Pressure control mechanism for fluid motors, Automatic. E. Davis. 1,890,673 ; Dec. 13.
Pressure control system. D. L. Summey. 1,888,332 ; Nov. 22.
Pressure controlling means, Surge. C. V. Foulds. 1,891,636 ; Dec. 20.
Pressure coupling. J. J. Smith. 1,879,565 ; Sept. 27.
Pressure damping mechanism. H. Holzwarth. 1,852,164 ; Apr. 5.
Pressure device for dispensing fluids, grease and the like. A. F. Hurt. 1,852,654 ; Apr. 5.
Pressure dispensing system, Portable. D. M. Heston. 1,844,360 ; Feb. 9.
Pressure equalizer and damper control for oil burners. W. L. B. Wilson. 1,855,505 ; Apr. 26.
Pressure equalizing means for multiple buck pressing machines. E. Davis. 1,883,603 ; Oct. 18.
Pressure exerting mechanism for use in presses and other machines. F. Humphris. 1,851,841 ; Mar. 29.
Pressure fluid motor. E. G. Gartin. 1,860,736 ; May 31.
Pressure fluid motor. M. C. Huffman. 1,874,190 ; Aug. 30.
Pressure fluid operated implement. O. O. App. 1,880,337 ; Oct. 4.
Pressure gauge. H. C. Cole. 1,854,781 ; Apr. 19.
Pressure gauge. J. C. Crowley. 1,874,913 ; Aug. 30.
Pressure gauge. W. C. Moran. 1,841,044 ; Jan. 12.
Pressure gauge. J. W. Motherwell. 1,848,489 ; Mar. 8.
Pressure gauge. J. F. Remington. 1,860,904 ; May 31.
Pressure gauge. F. A. Routhier. 1,841,677 ; Jan. 19.
Pressure gauge. Spitzglass. 1,847,104 ; Mar. 1.
Pressure gauge. P. T. Sprague and A. Soller. 1,841,651 ; Jan. 19.
Pressure gauge. J. Wahl. 1,866,140 ; July 5.
Pressure gauge. J. Wahl and O. Melzer. 1,854,913 ; Apr. 19.
Pressure gauge. J. Wahl and O. Melzer. 1,888,365 ; Nov. 22.
Pressure gauge. J. Wahl and O. Melzer. 1,892,088 ; Dec. 27.
Pressure gauge, Automatic. H. E. Platt. 1,887,821 ; Nov. 15.
Pressure gauge, Differential. M. Conte. 1,847,472 ; Mar. 1.
Pressure gauge, Differential. P. A. Nome. 1,874,205 ; Aug. 30.
Pressure gauge indicator. H. D. Carlton. 1,857,139 ; May 10.
Pressure gauge, Mud fluid. G. H. Bowlus. 1,861,999 ; June 7.
Pressure impulse dampener. E. S. Pearce and E. C. Karibo. 1,891,008 ; Dec. 13.
Pressure in tanks, Apparatus for regulating. C. J. Soyster and G. W. Lawn. 1,887,824 ; Nov. 15.
Pressure in vacuum tubes, Maintenance of the. J. B. J. M. Abadie. 1,875,972 ; Sept. 6.
Pressure increasing device. E. M. White. 1,853,838 ; Apr. 12.
Pressure indicating and relief device. R. B. Swope and J. Kreiselman. 1,848,233 ; Mar. 8.
Pressure indicating mechanism for rolling mills. R. L. Templin. 1,875,843 ; Sept. 6.
Pressure indicator. H. Christman. 1,865,082 ; June 28.
Pressure indicator. L. M. Ellison. 1,857,367 ; May 10.
Pressure indicator. G. F. Luckey and A. F. Hegenberger. 1,866,660 ; July 12.
Pressure indicator, J. Marchese and M. B. D'Orsay. 1,865,871 ; July 5.
Pressure indicator for pumps. G. F. Quinby. 1,841,848 ; Jan. 19.
Pressure line control. R. S. Wood. 1,874,729 ; Aug. 30.
Pressure operated switch. E. D. Bonham. 1,880,401 ; Oct. 4.
Pressure operated switch. J. R. Fitzgerald. 1,862,473 ; June 7.
Pressure operated switch. J. G. Gewecke, M. I. Ellison, and W. H. Medding. 1,890,378 ; Dec. 6.
Pressure pad. W. Ferris. 1,858,296 ; May 17.
Pressure producing means. L. L. J. Prompt. 1,866,905 ; July 12.
Pressure regulating apparatus for elastic fluids. H. N. Packard. 1,852,330 ; Apr. 5.
Pressure regulating device. G. V. Isnard. 1,887,595 ; Nov. 15.
Pressure regulating device for gases. J. A. Heldbrink. 1,858,084 ; May 10.
Pressure regulator. G. M. Deming. 1,839,837 ; Jan 5.
Pressure regulator. C. W. Haddy. 1,859,506 ; May 24.
Pressure regulator. F. S. Lawrence. 1,860,350 ; May 31.
Pressure regulator. F. B. Stover. 1,866,377 ; July 5.
Pressure regulator, Automatic. V. W. Leonard. 1,889,607 ; Nov. 29.
Pressure relief mechanism. A. E. Harnsberger. 1,874,742 ; Aug. 30.
Pressure relieving device, Excess. A. J. Penote. 1,889,810 ; Dec. 6.
Pressure resisting coupling, Screw threaded. R. Savon. 1,854,674 ; Apr. 19.
Pressure responsive device. E. F. Stover. 1,855,696 ; Apr. 26.
Pressure responsive instrument. A. J. Doser. 1,869,934 ; Aug. 2.
Pressure retainer for gas lift wells, Automatic. J. J. Kogan. 1,856,872 ; May 3.
Pressure splitting device. A. D. Riccia. 1,862,427 ; June 7.
Pressure switch. H. L. Van Valkenburg. 1,890,009 ; Dec. 6.
Pressure switch, Automatic. H. L. Van Valkenburg. 1,843,256 ; Feb. 2.
Pressure system. H. S. Pardee. 1,853,925 ; Apr. 12.

Pressure to oil sands, Apparatus for applying. C. A. Waitz. 1,861,332 ; May 31.
Pressure treatment for oils and the like. J. H. Hirt. 1,840,164 ; Jan. 5.
Pressure warning device, Low. H. D. Hukill. 1,850,626 ; Mar. 22.
Pressures in oil wells, Device for controlling. B. S. Minor. 1,859,787 ; Dec. 6.
Pretesting device. J. L. McWeeny. 1,870,462 ; Aug. 9.
Preventer, Fixture, trap, and drain pipe stoppage. F. W. Heuacker. 1,886,676 ; Nov. 8.
Price indicator. J. E. Arnold. 1,857,580 ; May 10.
Price indicator. M. Dorion. 1,860,772 ; May 31.
Price posting machine. F. W. La Chance. 1,890,395 ; Dec. 6.
Price scale. S. S. Egger-Hansen. 1,878,832 ; Sept. 20.
Primary battery. G. W. Heise. 1,856,386 ; May 3.
Primary cell. B. K. Brown. 1,854,176 ; Apr. 19.
Primary cell and electrolyte therefor. G. W. Heise. 1,864,652 ; June 28.
Prime mover. C. Duryea. 1,885,323 ; Nov. 1.
Primer cup. J. A. Dickerman. 1,853,262 ; Apr. 12.
Primer for pumps. B. D. Barton. 1,859,283 ; May 24.
Printing composition. E. von Herz and H. Rathsburg. 1,889,116 ; Nov. 29.
Printing mixture. W. Brün. 1,887,919 ; Nov. 15.
Printing mixture. C. W. Burgess. 1,880,235 ; Oct. 4.
Printing mixture. J. D. McNutt. 1,842,556 ; Jan. 26.
Printing mixture. J. D. McNutt. 1,851,398 ; Mar. 29.
Printing mixture. A. von Hirsch. 1,859,235 ; May 17.
Print delivering means, Photographic. A. W. Caps. 1,874,897 ; Aug. 30.
Print forming machine. J. P. Aldrich and H. A. Morris. 1,869,644 ; Aug. 2.
Printed matter to transparent sheets, Applying. L. F. Isaacks. 1,846,726 ; Feb. 23.
Printer and duplicator. S. M. Langston and K. Sieg. 1,850,800–2 ; Mar. 22.
Printer, Automatic. D. A. Whitson, L. W. Physioc, and F. J. Brush. 1,856,859 ; May 3.
Printer concentrator system. A. J. Motto. 1,877,943 ; Sept. 20.
Printer, Coupon. H. L. Krum. 1,884,755 ; Oct. 25.
Printer, Multiple continuous. F. H. Owens. 1,852,894 ; Apr. 5.
Printer, Optical. F. H. Owens. 1,884,167 ; Oct. 25.
Printer, Recording. G. S. Vernam and G. Halden. 1,873,080 ; Aug. 23.
Printer's blanket. E. Ellis. 1,855,798 ; Apr. 26.
Printer's collating stand. C. W. Govier and J. W. Reid. 1,889,829 ; Dec. 6.
Printer's hook. J. Garlick. 1,839,669 ; Jan. 5.
Printer's register hook. W. F. Brügmann. 1,839,464 ; July 19.
Printer's register hook. W. F. Brügmann. 1,867,805 ; Jan. 5.
Printer's registering device. E. F. Noell and E. E. Thiel. 1,851,288 ; Mar. 29.
Printer's registering device. E. Thiel. 1,885,965 ; Nov. 1.
Printer's roller. H. J. Lowe. 1,890,858 ; Dec. 13.
Printing. W. E. Becker. 1,880,070 ; Sept. 27.
Printing. W. F. Brinton. 1,874,167 ; Aug. 30.
Printing. T. F. Pinder. 1,878,318 ; Sept. 20.
Printing and cap forming machine. C. Barbieri. 1,890,662 ; Dec. 13.
Printing and impressing or stamping press, Hydraulic. H. Brandenburg. 1,868,380 ; July 19.
Printing and impressing press. J. Grünberg. 1,868,387 ; July 19.
Printing and like machines, Feeding mechanism for. F. A. Waite. 1,841,606 ; Jan. 19.
Printing and slitting roller. A. E. F. Moone. 1,860,047 ; May 24.
Printing and stamping press, Hydraulic. H. Brandenburg. 1,845,232 ; Feb. 16.
Printing and the like machinery, Sheet registering device for. W. F. Brinton. 1,850,653 ; Mar. 22.
Printing apparatus. W. F. Brinton. 1,874,166 ; Aug. 30.
Printing apparatus. A. Langsner. 1,886,202 ; Nov. 1.
Printing apparatus. F. H. Owens. 1,843,172 ; Feb. 2.
Printing, Apparatus for producing screen. R. B. Aldcroft and H. Rubal. 1,843,116 ; Feb. 2.
Printing apparatus, Multicolor. G. A. Simms. 1,849,597 ; Mar. 15.
Printing apparatus, Optical. F. H. Owens. 1,849,549 ; Mar. 15.
Printing apparatus, Photographic. D. F. Frazee, jr. 1,849,368 ; Mar. 15.
Printing apparatus, Thread. D. B. Bonner. 1,854,366 ; Apr. 19.
Printing, Color discharge. F. R. Byrod. 1,864,582 ; June 28.
Printing compound and making same. P. Yohns. 1,870,082 ; Aug. 2.
Printing device. C. Chisholm. 1,858,479 ; May 17.
Printing device. M. J. Hoffman. 1,871,060 ; Aug. 9.
Printing device. J. C. Paschall. 1,872,173 ; Aug. 16.
Printing device. W. Schwabe. 1,886,597 ; Nov. 8.
Printing for color photography. A. S. Howell. 1,853,683 ; Apr. 12.
Printing forms, Producing intaglio. K. Wolfsohn. 1,883,303 ; Nov. 22.
Printing frame. C. Bornmann. 1,840,307 ; Jan. 12.
Printing frame, Photographic. E. R. Smith. 1,854,279 ; Apr. 19.
Printing from a negative sound record to a positive, Apparatus for. E. I. Sponable. 1,858,603 ; May 17.
Printing machine. P. Aitchison. 1,839,722 ; Jan. 5.
Printing machine. W. K. Eckhard. 1,854,694 ; Apr. 19.
Printing machine. B. Fassmann. 1,842,089 ; Jan. 19.
Printing machine. E. C. Hartley. 1,842,086–7 ; Jan. 19.
Printing machine. M. J. Hoffman. 1,871,059 ; Aug. 9.
Printing machine. A. Langsner. 1,855,194 ; Apr. 26.
Printing machine. W. J. Lascelles, M. F. Peterson, J. E. Scott, and K. McC. Wilson. 1,866,978 ; July 12.
Printing machine. L. W. Moulton. 1,881,090 ; Oct. 4.
Printing machine. H. L. Thompson and E. Wilderson. 1,841,860–1 ; Jan. 19.
Printing machine. W. H. Waldron. 1,891,252 ; Dec. 20.
Printing machine. E. L. Walker. 1,840,067 ; Jan. 5.
Printing machine. E. L. Walker and A. W. Werner. 1,840,068–9 ; Jan. 5.
Printing machine. C. F. Webb. 1,862,446 ; June 7.
Printing machine. A. W. Werner and E. L. Walker. 1,840,071 ; Jan. 5.
Printing machine and printing machine attachment. G. H. Stahler. 1,854,867 ; Apr. 19.
Printing machine, Automatic photographic. J. L. Barber. 1,885,055 ; Oct. 25.
Printing machine, Duplicating. P. R. Seward. 1,839,601 ; Jan. 5.
Printing machine for cinematograph films. P. J. Guerin. 1,880,087 ; Sept. 27.
Printing machine for goffered films. P. Brosse. 1,878,670 ; Sept. 20.
Printing machine for multicolor work. V. E. Givaudan. 1,865,184 ; June 28.
Printing machine for sensitized material. W. L. Sullivan. 1,842,590 ; Mar. 1.
Printing machine having automatic feeder. W. K. Eckhard. 1,872,916 ; Aug. 23.
Printing machine, Rotary. R. F. Bonsch. 1,865,611 ; July 5.
Printing machine, Rotary. F. C. Marquardt. 1,876,255 ; Sept. 6.
Printing machine, Rotary. O. Wilhelm. 1,865,602 ; July 5.
Printing machine, Rotary deep impressing. W. Mallaender. 1,858,633 ; May 17.
Printing machine, Rotary web undersurface. A. S. Webster. 1,873,912 ; Aug. 23.
Printing machine with means from a flat type face, Rotary. F. Fallert. 1,851,089 ; Mar. 29.
Printing machines, Apparatus for preventing offsetting in. T. F. Pinder. 1,878,319 ; Sept. 20.
Printing machines, Gripper mechanism for. R. C. Seymour. 1,847,675 ; Mar. 1.
Printing machines, Ink ribbon feed for. H. L. Thompson and E. Wilderson. 1,841,862 ; Jan. 19.
Printing machines, Ink spray condenser for. H. A. W. Wood. 1,873,234 ; Aug. 23.
Printing machines, Mechanism for inking the printing surfaces of rotary intaglio. F. Spence. 1,843,048 ; Jan. 26.
Printing machines, Sheet handling mechanism for. A. J. Graf. 1,866,562 ; July 12.
Printing machines, Sheet supplying device for. A. Buttgereit. 1,868,381 ; July 19.
Printing machines, Still adjustment for pattern fitting for multiple. L. I. Tuttle. 1,886,922 ; Nov. 8.
Printing machines, Web-roll controlling device for. A. J. Horton. 1,881,589 ; Oct. 11.
Printing means. G. W. Heene. 1,878,516 ; Sept. 20.
Printing mechanism. C. W. Green. 1,849,921 ; Mar. 15.
Printing mechanism. J. R. Peirce. 1,867,026 ; July 12.
Printing mechanism. A. Potdevin. 1,851,324 ; Mar. 29.
Printing mechanism for accounting machines. F. M. Carroll. 1,880,416 ; Oct. 4.
Printing mechanism for cash registers. B. Bornkessel. 1,879,838 ; Sept. 27.
Printing mechanism for golf ball marker. J. E. McGlnness. 1,875,085 ; Aug. 30.
Printing mechanism for tabulating machines. J. W. Bryce. 1,882,766 ; Oct. 18.
Printing mechanism, Late news. C. G. Quick and W. W. Denne. 1,843,142 ; Feb. 2.
Printing mechanism, Total. J. Büchter. 1,854,177 ; Apr. 19.
Printing member. C. Chisholm. 1,858,480 ; May 17.
Printing method and apparatus. W. R. Respess. 1,861,610 ; June 7.
Printing method and apparatus. A. R. Trist. 1,858,909 ; May 17.
Printing, Method and apparatus for preventing offset in. T. F. Knowlton. 1,873,207 ; Aug. 23.
Printing, Method and apparatus for preventing offsetting in. T. F. Pinder. 1,842,195 ; Jan. 19.
Printing on cellophane or the like. A. D. Eisenberg. 1,891,323 ; Dec. 20.
Printing on indatable articles. C. C. Sprague. 1,870,825 ; Aug. 9.
Printing on textile fabrics. M. A. Kunz and F. Teller. 1,870,516 ; Aug. 9.
Printing on transparent cellulose paper and product resulting from the same, Multicolor. I. Gurwick. 1,861,314 ; June 12.
Printing or graining. L. A. Mizener. 1,888,864 ; Nov. 22.

Printing, Photomechanical. F. H. Hausleiter. 1,848,782; Mar. 8.
Printing plate and making the same. J. T. and G. A. Simms. 1,849,598; Mar. 15.
Printing plate and manufacturing it. H. Swan and S. Higgins. 1,874,568; Aug. 16.
Printing plate and underlay and producing the same. J. W. Barnhart. 1,842,774; Jan. 26.
Printing plate for addressing and other printing machines. J. Krell. 1,847,838; Mar. 1.
Printing plates and method of making. J. C. Paschall. 1,872,174; Aug. 16.
Printing plates, Making. R. A. Glaser. 1,843,872; Feb. 2.
Printing plates, Making multicolor. G. S. Howland. 1,885,725; Nov. 1.
Printing plates, Preparing. J. Haggerty and D. Johnston. 1,852,115; Apr. 5.
Printing plates, Producing. F. C. Goldenbaum. 1,857,842; May 10.
Printing plates, Reconditioning. L. Hill and J. D. Hobby. 1,884,685; Oct. 25.
Printing plates, Registering. L. W. Claybourn. 1,839,866; Jan. 5.
Printing press. F. R. Belluche. 1,849,219; Mar. 15.
Printing press. J. and A. Boyce. 1,843,441; Feb. 2.
Printing press. M. W. Brueshaber. 1,868,880; July 26.
Printing press. M. W. Brueshaber. 1,884,556; Oct. 25.
Printing press. C. Henderson. 1,870,117; Aug. 2.
Printing press. H. Lang. 1,854,848; Apr. 19.
Printing press. J. E. Lee. 1,892,154; Dec. 27.
Printing press. S. J. Mollet. 1,867,859-60; July 19.
Printing press. J. Moscini. 1,852,211; Apr. 5.
Printing press. N. H. Nelson. 1,885,131; Nov. 1.
Printing press. E. B. Prilucy. 1,886,730; Nov. 8.
Printing press. K. F. Rolston. 1,844,075; Feb. 9.
Printing press. E. J. Smith. 1,848,439; Mar. 8.
Printing press. E. J. Smith. 1,861,824-5; June 7.
Printing press. E. J. Smith. 1,880,362-3; Oct. 4.
Printing press. W. H. Smith. 1,878,904; Sept. 20.
Printing press. H. R. Trotter. 1,890,760; Dec. 13.
Printing press. W. L. Wagoner. 1,875,291; Aug. 30.
Printing press. R. G. Whitlock. 1,870,474; Aug. 9.
Printing press. O. R. Wolf. 1,891,614; Dec. 20.
Printing press and fudge attachment. E. W. Dean. 1,873,301; Aug. 23.
Printing press and wet renewing mechanism therefor. E. J. Smith. 1,861,824-5; June 7.
Printing press, Bed and cylinder. C. B. Cottrell, 3d. 1,868,311; July 19.
Printing press delivery. H. A. W. Wood. 1,843,474; Feb. 2.
Printing press, High speed. H. A. W. Wood. 1,848,591; Mar. 8.
Printing press jogger. J. Zebelean. 1,845,384; Feb. 16.
Printing press, Multicolor. A. F. Turck. 1,880,369; Oct. 4.
Printing press, Multicolor. E. A. Waller. 1,890,922; Dec. 13.
Printing press, Multicolor rotary. H. M. Barber. 1,847,639; Mar. 1.
Printing press, Multicolor rotary. H. M. Barber. 1,847,708; Mar. 1.
Printing press, Offset. H. Hense. 1,875,869; Sept. 6.
Printing press, Rotary. A. Terrey. 1,870,759; Aug. 9.
Printing press with a sheet feeding device, Device for coupling a. G. Spiess. 1,853,941; Apr. 12.
Printing presses, and making the same, Make ready element for. R. R. Lewis and A. J. Weiss. 1,846,810; Feb. 23.
Printing presses, Attachment for. R. Ambrecht. 1,859,577; May 24.
Printing presses, Automatic cylinder trip for. E. O., D. and F. R. Heywood. 1,853,254; Feb. 2.
Printing presses, Automatic trip mechanism for. C. L. Low. 1,886,281; Nov. 1.
Printing presses, Center stock guide for. B. Nowell. 1,869,708; Aug. 2.
Printing presses, Collecting and folding mechanism for. M. W. Brueshaber. 1,870,009; Sept. 6.
Printing presses, Feeding mechanism for. C. F. Root. 1,849,315; Mar. 15.
Printing presses, Fountain roll feeding means for. H. B. Greaves. 1,849,707; Mar. 15.
Printing presses, Inching mechanism for. H. L. McCleery. 1,857,818; May 10.
Printing presses, Multigraphing attachment for. F. M. Goddard. 1,847,478; Mar. 1.
Printing presses, Sheet delivery mechanism for. H. M. Barber. 1,840,011; Jan. 5.
Printing presses, Sheet feeding mechanism for. C. F. Root. Re18,383; Mar. 15.
Printing presses, Sheet feeding mechanism for. C. F. Root. 1,849,313; Mar. 15.
Printing presses, Sheet stacking and stripping for. W. P. Zoot. 1,847,741; Mar. 1.
Printing presses, Sheet transferring mechanism for. C. F. Root. 1,849,314; Mar. 15.
Printing presses, Sheet transferring mechanism for. C. F. Root. 1,884,258; Oct. 25.
Printing presses, Stock feeding magazine for. M. F. Brennan. 1,842,310; Jan. 19.
Printing presses, Trip mechanism for. C. C. Sweet and W. J. Bayer. 1,840,750; Jan. 12.
Printing presses, Web feed for two plate wide rotary. E. W. Dean. 1,867,966; July 19.
Printing process. T. F. Pinder. 1,842,196; Jan. 19.
Printing process employed in color photography. L. W. Oliver and W. G. Clare. 1,891,571; Dec. 20.
Printing roller. A. Potdevin. 1,851,291; Mar. 29.
Printing rolls, Apparatus for preparing photo stipple initiatic engraved. A. D. La Fointe. 1,868,709; July 26.
Printing rolls, Producing multicolor. J. C. Hakim. 1,866,103; July 5.
Printing spots, Procedure for freshening up amalgamated. H. Renck. 1,889,376; Nov. 29.
Printing surfaces, Making. J. Dyer. 1,859,620; May 24.
Printing telegraph radial switching system. G. A. Locke. 1,856,714; May 3.
Printing telegraph system, Start stop. H. Angel and J. W. Robinson. 1,843,909; Feb. 9.
Printing, Translucent. H. J. Billings. 1,874,427; Aug. 30.
Printing unit, Quotation guard. R. Hoover and E. R. Wheeler. 1,861,414; May 31.
Printings on the vegetable fiber. Production of fast. R. Herz, N. Steiger, and W. Hechtenberg. 1,875,602; Sept. 6.
Printings, Producing fast. A. Zitscher and F. Murls. 1,857,230; May 10.
Prints, Apparatus for flattening. R. S. Hopkins. 1,870,626; Aug. 9.
Prints, Flattening. R. S. Hopkins. 1,880,451; Oct. 4.
Prints, Method and apparatus for developing. G. M. Dye. 1,858,888; May 17.
Prism apparatus, Rotating. I. Kitroser. 1,884,995; Oct. 25.
Prison cell construction. H. D. Garber and W. W. Meier. 1,855,756; Apr. 26.
Process mass and making same. E. Steil. 1,841,922; Jan. 19.
Processing apparatus. J. N. Jacobsen. 1,840,100; Jan. 5.
Processing apparatus. C. W. Vogt and B. D. Miller. 1,847,149; Mar. 1.
Processing apparatus for fixing photographic sheet material. K. C. Hickman, C. R. Sanford, and W. J. Weyerts. 1,880,450; Oct. 4.
Processing reel. H. E. Walker. 1,862,615; June 14.
Produce, Transporting perishable. F. G. Bradbury. 1,861,719; Apr. 26.
Product for destroying animals. J. A. Aeschlimann. 1,858,177; May 10.
Product for electrical purposes for making the same, New. J. B. Grenagle. 1,844,919; Feb. 9.
Product for plaster finishing coats, Pre-mixed. G. B. Wood. 1,876,272; Sept. 6.
Product made from mica splittings and making same. C. Ellis. 1,883,645; Oct. 18.
Product of manufacture. E. de Bruijn. 1,878,679; Sept. 20.
Product rich in mineral salts and enzymes and also containing vitamin B, Recovering a. B. W. Dedrick. 1,842,933; Jan. 26.
Production planning board. E. Szepesi. 1,886,453; Nov. 1.
Products comprising lignone derivatives, Manufacture of new. C. F. Cross and A. Engelstad. 1,878,828; Sept. 20.
Products, Cooling. R. P. Rasmussen. 1,863,207; June 14.
Products from cornstalks, sugar cane, and similar vegetable material, Manufacturing various. G. Taube. 1,857,985; May 10.
Products from earth oil residues, asphalt, and/or similar substances, Manufacture of lighter colored. J. W. Le-Nobel. 1,849,211; July 15.
Products from fibrous material, Method and apparatus for manufacturing. M. Skolnik. 1,865,649; July 5.
Products from plastic material, Apparatus for making. F. W. Harney. 1,887,758; Nov. 15.
Products from plastic material, Making. F. W. Harney. 1,887,759; Nov. 15.
Products from vegetable substances, Producing valuable. E. L. Rinman. 1,879,502; Sept. 27.
Products obtained by distillation of wood, Recovery of. A. M. Thomsen. 1,840,012; Jan. 5.
Products obtained from plastic masses, Treating. G. Petrof. 1,865,586; July 5.
Products of a particular origin, Intensifying. J. W. Rath. 1,859,467; May 24.
Products of latex character and producing the same. M. Luther and C. Heuck. 1,864,078; June 21.
Products of organic origin, Preparing. H. L. P. Tival. Re18,364; Feb. 23.
Products of the anthraquinone series, Preparation of new condensation. Sch. 101,317; Dec. 20.
Products or goods of or containing cellulose derivatives, Treatment of. R. Clavel. 1,844,204; Feb. 9.
Products produced by the alkaline fusion of cellulosic materials, Separation and recovery of. L. C. Swallen. 1,869,948; Aug. 2.
Products which liberate oxygen, Preparation of. W. Zisch. 1,878,359; Sept. 20.
Profiling attachment. A. E. Drissner. 1,874,470; Aug. 30.
Program calendar. A. G. Miller. 1,861,811; June 7.
Program service system. C. H. Bergmann. 1,873,813; Aug. 23.
Projectile. E. W. Brandt. 1,875,985; Sept. 6.
Projectile. R. E. Jones. 1,892,152; Dec. 27.

Projectile, Armor piercing. R. A. Hadfield and A. B. H. Clerke., 1,861,054; May 31.
Projectile, Bladed. E. W. Brandt. 1,879,840; Sept. 27.
Projectile, Bladed. E. W. Brandt. 1,883,758; Oct. 18.
Projectile for toy firearms. A. Nerlich. 1,850,330; Oct. 4.
Projectile, Hand propelled. H. Wayte. 1,877,100; Sept. 13.
Projectile having guide tails. E. W. Brandt. 1,890,175; Dec. 6.
Projectile shooting gun. P. C. Traver. 1,873,677; Aug. 23.
Projectile with automatic driving band. E. W. Brandt. 1,861,922; June 7.
Projectiles, Apparatus for the discharge of. J. A. Albisi. 1,877,215; Sept. 13.
Projecting apparatus. H. N. Ott. 1,849,151; Mar. 15.
Projecting apparatus. L. Dei Riccio. 1,879,737; Sept. 27.
Projecting apparatus. M. H. Spaulding. 1,840,920; Jan. 12.
Projecting apparatus, Episcopic. H. L. M. J. Benard. 1,842,855; Jan. 26.
Projecting bright backgrounds by oblique projections. P. Planer. 1,869,275; July 26.
Projecting device. W. J. Burchett. 1,879,600; Sept. 27.
Projecting device, Multiple. B. A. Proctor. 1,860,951; May 31.
Projecting machine. H. B. Jordan. 1,856,956; May 3.
Projecting machine. H. R. Tryon and J. G. Nilsson. 1,868,063; Mar. 22.
Projecting machine, Motion picture. A. Sapier. 1,885,631; Nov. 1.
Projection apparatus. C. E. Randall and L. R. Thompson. 1,842,840; Jan. 26.
Projection apparatus for metallic films and the like, Episcopic. C. Sendtner. 1,841,063; Jan. 12.
Projection apparatus for motion pictures. J. Burkhardt. 1,859,023; May 17.
Projection apparatus, Opaque. H. N. Ott. 1,848,378; Mar. 8.
Projection apparatus, Sign. P. Krupnik. 1,885,841; Nov. 1.
Projection, Duplex. A. D. Eitzen. 1,868,889; July 26.
Projection, Method and apparatus for combined. W. G. Weiler. 1,871,767; Aug. 16.
Projection objective. R. Richter. 1,843,519; Feb. 2.
Projection printing machine. J. Burkhardt. 1,859,022; May 17.
Projection screen. C. A. Alt and R. A. McLean. 1,856,739; May 3.
Projection screen. L. Koeppe. 1,885,208; Nov. 1.
Projection screen. H. F. Newman. 1,868,759; July 26.
Projection screen. F. H. Richardson and J. C. Kroesen. 1,890,828; Dec. 13.
Projection screen. Wildhaber. 1,867,199; July 12.
Projection screen. T. F. Yagle. 1,876,269; Sept. 6.
Projection screen, Movable. S. Schrago. 1,864,946; June 28.
Projection system. D. F. Newman. 1,891,439; Dec. 20.
Projection system and projection lens system therefor. L. W. Bowen. 1,869,099; July 26.
Projection system, Opaque. A. H. Blohm. 1,859,761; May 24.
Projector welding. C. E. Bleicher. 1,872,394; Aug. 16.
Projector. W. T. Birdsall. 1,843,502; Feb. 2.
Projector. W. T. Birdsall. 1,868,722; July 26.
Projector. J. W. Pierron. 1,889,696; Nov. 29.
Projector, camera and the like, Cinematographic. L. Ranieri. 1,888,094; Nov. 15.
Projector, Combination. K. and J. W. Brenkert. 1,857,135; May 31.
Projector, Moving picture. J. Contner. 1,859,128; May 17.
Projector screen. A. C. Payne and D. F. Newman. 1,881,128; Oct. 4.
Prong binders, Shifting device for. E. G. Dupree. 1,846,191; Feb. 9.
Prong making machine. D. D. Myers. 1,850,029; Mar. 18.
Prongs for loose-leaf binders, Method and apparatus for making. C. D. Trussell. 1,881,981; Oct. 11.
Proof press. E. O., D. D., and F. R. Vandercook. 1,843,255; Feb. 2.
Prop. G. W. Britton. 1,876,508; Sept. 6.
Prop, Centering. W. Gnirs and A. Urban. 1,863,010; June 14.
Prop construction for mines. H. Queens. 1,858,719; May 17.
Prop, Door. C. Yorger. 1,847,705; Mar. 1.
Prop for use in mines. C. Bell. 1,850,489; Mar. 22.
Prop, Tree. C. Westover. 1,867,485; July 12.
Propaganda distributor. J. E. Esbbaugh. 1,879,894; Sept. 27.
Propeller. A. Altieri. 1,889,767; Dec. 6.
Propeller. E. E. Arnold. 1,860,522; May 31.
Propeller. P. Augner. 1,853,890; Apr. 12.
Propeller. V. Bendix. 1,858,913; May 17.
Propeller. W. J. Blanchard. 1,869,182; July 26.
Propeller. F. W. Caldwell. 1,862,328; June 7.
Propeller. J. J. Callahan. 1,863,238; June 14.
Propeller. S. T. Carter. 1,876,608; Sept. 13.
Propeller. J. R. Cronister. 1,846,473; Feb. 23.
Propeller. C. B. Dawe. 1,846,481; Feb. 2.
Propeller. T. A. Dicks. 1,862,846; June 14.
Propeller. E. P. Doremus. 1,864,716; June 28.
Propeller, M. M. Egan. 1,879,142; Sept. 27.
Propeller. W. W. Everts. 1,875,998; Sept. 6.
Propeller. O. Gilstrap. 1,881,486; Oct. 11.
Propeller. C. H. Havill. 1,846,254; Feb. 23.
Propeller. C. H. Havill. 1,846,255; Feb. 23.
Propeller. C. H. Havill. 1,857,969; May 10.
Propeller. C. H. Havill. 1,875,454; Sept. 6.
Propeller. S. Heath. 1,875,597–8; Sept. 6.
Propeller. G. F. Houston. 1,875,606; Sept. 6.
Propeller. L. F. Huber. 1,884,703; Oct. 25.
Propeller. W. H. Kempton. 1,842,178; Jan. 19.
Propeller. R. Klinzer. 1,890,120; Dec. 6.
Propeller. L. J. Koch. 1,874,845; Aug. 30.
Propeller. G. Lauszat. 1,888,681; Nov. 22.
Propeller. E. P. Martin. 1,881,365; Oct. 4.
Propeller. F. J. Martens and C. O. Thompson. 1,886,891; Nov. 8.
Propeller. B. B. McCrosky. 1,844,406; Feb. 9.
Propeller. H. P. Morris. 1,862,255; June 7.
Propeller. J. H. Pilet. 1,857,327; May 10.
Propeller. J. A. Pinaud. 1,880,104; Sept. 27.
Propeller. H. M. Rila. 1,850,476; Mar. 22.
Propeller. A. Schwarz. 1,887,045; Nov. 8.
Propeller. H. H. Semmes. 1,843,886; Feb. 2.
Propeller. E. Seppeler. 1,839,347; Jan. 5.
Propeller. M. A. Smith, jr. 1,871,203; Aug. 9.
Propeller. J. Squires. 1,839,811; Jan. 5.
Propeller. J. Squires. 1,885,487; Nov. 1.
Propeller. M. J. Stone. 1,884,994; Oct. 25.
Propeller. F. E. Weick. 1,842,466; Jan. 26.
Propeller. L. M. Woolson. 1,863,388; June 14.
Propeller, Adjustable. T. Burson and C. W. Jenkins. 1,892,035; Dec. 27.
Propeller, Adjustable. D. C. Conkling. 1,887,146; Nov. 8.
Propeller, Adjustable. W. Wisk. 1,857,036; May 3.
Propeller, Adjustable pitch. S. A. Reed. 1,842,765; Jan. 26.
Propeller, Aeronautical. G. B. Jackson. 1,846,337; Feb. 23.
Propeller, Aeronautical. S. A. Reed. 1,842,766; Jan. 26.
Propeller, Aeronautical. S. A. Reed. 1,855,589; Apr. 26.
Propeller, Aircraft. W. F. Warfel. 1,889,717; Nov. 29.
Propeller and engine jointly for aeroplanes. R. Yates. 1,887,053; Nov. 8.
Propeller and rudder of boats, Protecting the. E. H. Fabrney. 1,858,582; May 17.
Propeller apparatus. M. C. Ryan. 1,857,392; May 10.
Propeller assembly for airships. H. L. Chase. 1,887,809; Nov. 15.
Propeller attachment. F. E. Wallace. 1,874,213; Aug. 30.
Propeller attachment. L. M. Woolson. 1,863,387; June 14.
Propeller, Automatic safety landing reversing. R. C. Wilson. 1,886,278; Nov. 1.
Propeller, Automatic variable pitch. E. A. Parham. 1,841,497; Jan. 19.
Propeller balancing mechanism. F. Charavay. 1,880,313; Oct. 4.
Propeller blade. J. Haw. 1,879,225; Sept. 27.
Propeller blades, Forging. C. A. Brauchler. 1,883,519; Oct. 18.
Propeller, Centrifugal. J. D. Langdon. 1,845,295; Feb. 16.
Propeller construction. H. T. Kingsbury. 1,841,959; Jan. 19.
Propeller construction. J. W. Price. 1,887,429; Nov. 8.
Propeller, Counter running double. F. Melcher. 1,853,694; Apr. 12.
Propeller driving unit. M. L. Carpentier. 1,879,081; Sept. 27.
Propeller for aircraft. A. Altieri. 1,887,004; Nov. 8.
Propeller for aircraft. F. A. Ringwald, jr. 1,852,626; Apr. 5.
Propeller for aircraft. H. Sukobl. 1,860,557; May 31.
Propeller for aircraft, Auxiliary. A. Altieri. 1,850,066; Mar. 22.
Propeller for airplanes, Variable pitch. J. F. Berry. 1,840,148; Jan. 5.
Propeller for flying machines. E. Seppeler. 1,851,874; Mar. 29.
Propeller for helicopters. W. P. Van Lammeren. 1,880,302; Oct. 4.
Propeller, Forming a. S. Heath. 1,869,478; Aug. 2.
Propeller, Four blade. J. Verzillo and A. Yodice. 1,888,056; Nov. 15.
Propeller hub. T. A. Dicks. 1,888,493; Nov. 22.
Propeller hub for aircraft engines with a reducing gear of the sun and planet wheel type. T. Zerbi. 1,856,529; May 3.
Propeller, Marine and aeroplane. J. M. Clark. 1,864,803; June 28.
Propeller mechanism for aeroplanes and the like, Variable pitch. J. R. Zipay. 1,852,500; Apr. 5.
Propeller mechanism, Variable pitch. J. R. Zipay. 1,852,499; Apr. 5.
Propeller mechanism, Variable pitch J. R. Zipay. 1,852,501; Apr. 5.
Propeller of helicopters. C. d'Ascanio. 1,867,733; July 19.
Propeller or turbine for water, air and gases. 1 857,509; May 10.

Propeller pitch changer, Automatic. C. W. Lambert. 1,874,053; Aug. 30.
Propeller release. H. M. Riggs. 1,860,750; May 31.
Propeller, Reversible variable pitch. G. Thomas. 1,847,502; Mar. 1.
Propeller, Screw. V. Lougheed. 1,849,012; Mar. 8.
Propeller, Screw. W. Stannus. 1,884,906; Oct. 25.
Propeller type fluid translating apparatus. H. F. Schmidt. 1,873,336; Aug. 23.
Propeller, Variable and reversible pitch. W. M. Drennon. 1,892,187; Dec. 27.
Propeller, Variable camber. A. E. Miller and H. M. Salisbury. 1,886,283; Nov. 1.
Propeller, Variable-pitch. E. A. Briner. 1,890,932; Dec. 13.
Propeller, Variable pitch. J. F. Daugherty. 1,883,340; Oct. 18.
Propeller, Variable pitch. P. E. Glafcke. 1,847,180; Mar. 1.
Propeller, Variable pitch. F. Kucera and R. P. Goodenhauf. 1,846,600; Feb. 23.
Propeller, Variable-pitch. J. P. Rossi. 1,839,895; Jan. 5.
Propeller, Variable pitch and reversible aerial. L. Shay. 1,843,887; Feb. 2.
Propellers and rudders of boats, Protecting the. E. H. Fahrney. 1,890,938; Dec. 13.
Propellers, Attachment means for aeronautical. S. A. Reed. 1,846,609; Feb. 23.
Propellers for aeroplanes and the like. L. Stipa. 1,873,505; Aug. 23.
Propellers, Manufacturing. H. F. Schmidt. 1,891,612; Dec. 27.
Propelling and steering mechanism. A. Schwarz. 1,842,125; Jan. 19.
Propelling and steering mechanism for ships. J. Ehrhart. 1,870,674; Aug. 9.
Propelling and steering mechanism, Marine. L. S. Olsen. 1,866,642; July 5.
Propelling apparatus applicable particularly to the propelling of lawn tennis balls and other game missiles and the like. M. Hall. 1,863,035; June 14.
Propelling means. R. B. Harris. 1,875,451; Sept. 6.
Propelling means for airplanes. J. Squires. 1,878,011; Sept. 20.
Propelling mechanism. A. Samartino. 1,846,404; Feb. 23.
Proportioning and metering apparatus. H. D. Wells. 1,866,643; July 5.
Propulsion and steering means for aircraft. S. L. Kelly. 1,853,361; Apr. 12.
Propulsion means for aircraft. E. Klahn. 1,881,673; Oct. 11.
Propulsion unit, Auxiliary. J. A. McGrew. 1,880,895; Sept. 27.
Propylene, Production of. W. A. Gerstmyer and W. R. Clayton. 1,871,786; Aug. 16.
Protecting and cooling means for dynamo-electric machines. J. Snyder. 1,894,867; June 28.
Protecting device. A. A. August and B. J. Victor. 1,862,651; June 14.
Protecting device for ball bearings. A. Kegresse. 1,882,465; Dec. 27.
Protecting device for banks. A. F. Cavanaugh. 1,860,013; May 24.
Protecting device for cashier windows and the like. C. A. Scheeler. 1,882,967; Oct. 18.
Protecting device for gauges. G. F. Ruopp. 1,884,264; Oct. 25.
Protecting means for connecting devices, Making. G. H. Merrill. 1,876,720; Sept. 13.
Protecting means for rolls of paper. E. L. McDevitt. 1,859,521; May 24.
Protecting means, Pothead and conductor. G. P. Edmonds. 1,889,545; Nov. 29.
Protection against fire, Apparatus for. E. Tyden. 1,877,088; Sept. 13.
Protection and control of rectifiers. S. Widmer. 1,887,830; Nov. 15.
Protection of autoxidizable materials. F. W. Nitardy. 1,879,762; Sept. 27.
Protective and controlling device for rolling window screens. C. Traut. 1,880,588; Oct. 4.
Protective apparatus. E. W. Boehne. 1,865,409; June 28.
Protective apparatus for furnaces. N. B. Jones. 1,889,604; Nov. 29.
Protective arrangement. E. Gross. 1,849,830; Mar. 15.
Protective arrangement. E. M. Hewlett. 1,854,031; Apr. 12.
Protective arrangement. L. F. Kennedy. 1,849,838; Mar. 15.
Protective arrangement. F. J. Lane. 1,890,331; Dec. 6.
Protective arrangement. K. K. Palueff. 1,865,273; June 28.
Protective arrangement. R. L. Webb. 1,883,839; Oct. 18.
Protective arrangement for direct current networks, Instantaneous selective. A. B. Fournier. 1,890,775; Dec. 13.
Protective collar for boxes. W. H. Cassell and F. E. Dahn. 1,885,589; Nov. 1.
Protective device. F. R. Marine. 1,866,048; July 5.
Protective device and method, Time delayed overload. J. D. Wood. 1,844,112; Feb. 9.
Protective device, consisting of a gas gun. B. C. Goss. 1,878,492; Sept. 20.
Protective device for banks. M. Nicholas, A. Koller, C. Ledel, and C. Hussey. 1,879,427; Sept. 27.
Protective device for film projecting apparatus. L. Ohr. 1,839,335; Jan. 5.
Protective device for fruits and vegetables in packing crates. W. C. Bewley. 1,854,097; Apr. 12.
Protective device for interlocking systems. J. C. Lindner. 1,877,917; Sept. 20.
Protective device for scales. G. E. Chatillon. 1,889,948; Dec. 6.
Protective device for tables. J. Hilgers. 1,878,850; Sept. 20.
Protective device for the terminals of storage batteries. H. A. Paradis and W. C. Anderson. 1,858,748; May 17.
Protective device, High voltage. J. J. Bieger. 1,848,152; Mar. 8.
Protective device, Window. C. E. Applebee. 1,847,913; Mar. 1.
Protective gap for electrical equipment. R. B. Ashbrook, M. Macferran, R. E. Quanstrom, and B. F. Dengler. 1,889,086; Nov. 29.
Protective means. C. E. Fyfe. 1,850,667; Mar. 22.
Protective means for beds and the like, Method and apparatus comprising a sanitary. M. Requa and T. L. McClellan. 1,876,057; Sept. 6.
Protective means for buried cables. J. J. Shoemaker. 1,874,369; Aug. 30.
Protective means for buried metallic surfaces. S. U. McGary, W. F. Rogers and S. Gill. 1,871,125; Aug. 9.
Protective means for dask rest actuating mechanism. C. P. Scherer. 1,874,636; Aug. 30.
Protective means for railway vehicle motors. C. C. Whittaker. 1,872,375; Aug. 16.
Protective relay system. S. L. Goldsborough. 1,877,168; Sept. 13.
Protective structure, Heat resisting. A. L. Abbott. 1,873,523; Aug. 23.
Protective system. E. B. Mallory. 1,870,181; Aug. 2.
Protective system. H. L. Seeley. 1,847,905; Mar. 1.
Protective system. A. van Gastel. 1,873,987; Aug. 30.
Protective system, Electric. H. Leben. 1,849,011; Mar. 8.
Protective system, Electric. H. Leben and N. Cooke. 1,870,515; Aug. 9.
Protective system, Electrical. J. H. Starr. 1,849,117; Mar. 15.
Protective system, Electrical. J. V. Breisky. 1,872,560; Aug. 16.
Protective system, Electrical. L. P. Ferris. 1,845,081; Feb. 16.
Protective system for motion picture machines. G. S. Powers. 1,859,790; May 24.
Protective system for rectifiers. F. Sieber. 1,856,857; May 3.
Protective system, Multiphase. G. Keller. 1,890,993; Dec. 13.
Protective system, Phase failure and phase reversal. C. Stansbury and G. C. Brown. 1,876,436; Sept. 6.
Protective system, Relay. E. M. Tingley. 1,874,142; Aug. 30.
Protective system, Transmission line. G. Lesch. 1,873,972; Aug. 30.
Protective system with resistance operated relay, Overload. E. H. Frey. 1,873,959; Aug. 30.
Protector. C. B. Hice. 1,857,304; May 10.
Protector. H. A. Uhle. 1,853,944; Apr. 12.
Protector and drain, Chimney. T. A. Gile. 1,845,656; Feb. 16.
Protector and making the same, Stocking. W. R. Dowman. 1,859,915; May 24.
Protector and support for punching balls. M. M. Israel. 1,851,433; Mar. 29.
Protector and wind deflector, Ear. L. W. Lewis. 1,853,131; Apr. 12.
Protector Arm. K. E. Jensen. 1,851,011; Mar. 29.
Protector, Armored foot and ankle. I. W. Millard. 1,865,702; July 5.
Protector, Ashlar block. R. F. Dalton. 1,846,676; Feb. 23.
Protector, Automobile engine. A. Manzo. 1,848,017; Mar. 1.
Protector, Automobile tire. J. S. Miller. 1,879,395; Sept. 27.
Protector, Banana. A. Paoli. 1,847,494; Mar. 1.
Protector, Bandit-proof window. F. R. King. 1,889,317; Nov. 29.
Protector, Battery terminal. J. F. Anderson. 1,858,383; May 17.
Protector, Beam. A. W. Schenker. 1,860,205; May 24.
Protector, Car axle. P. P. Barthelemy. 1,872,222; Aug. 16.
Protector, Casing. W. I. Bettis. 1,863,740; June 21.
Protector, Cigar. D. L. Millsap. 1,853,446; Apr. 12.
Protector, Cigarette ash and spark. M. L. Bjornstad. 1,858,180; May 10.
Protector, Clay model. A. Gutsch. 1,870,005; Aug. 2.
Protector, Cord. B. C. Becker. 1,880,069; Sept. 27.
Protector, Cylinder. R. C. Worswick. 1,880,004; Sept. 27.
Protector device. W. Elmenthaler. 1,842,512; Jan. 26.
Protector, Drill pipe. W. L. McLaine and R. A. Sperry. 1,859,915; May 24.
Protector, Ear. C. P. Hekler and P. Horacek. 1,878,397; Sept. 20.
Protector, Ear. J. Reno. 1,857,974; May 10

Protector, Ear. A. E. Sjostrand. 1,851,455 ; Mar. 29.
Protector, Ear. O. C. Smith. 1,845,205 ; Feb. 16.
Protector, Ear. A. R. Turrell and O. M. Flesher. 1,845,689 ; Feb. 16.
Protector, Elbow. L. Bruckler. 1,846,835 ; Feb. 23.
Protector, Fence. H. L. Mahoney. 1,839,239 ; Jan. 5.
Protector, Fence. E. E. McDonald. 1,856,841 ; May 3.
Protector, Finger and hand. A. H. Aronson. 1,863,960 ; June 21.
Protector, Foot. C. E. Sankey. 1,884,276 ; Oct. 25.
Protector, Foot. C. E. Sankey. 1,888,609 ; Nov. 22.
Protector for bed quilts. L. Markutsis. 1,844,291 ; Feb. 9.
Protector for bolded materials. W. A. Heinze and M. L. Liston. 1,879,682 ; Sept. 27.
Protector for golfers, Hand. L. Auster. 1,887,278 ; Nov. 8.
Protector for hair waving, Head. J. Metz. 1,861,972 ; June 7.
Protector for hose, Heel. C. D. Morales. 1,858,747 ; May 17.
Protector for masonry buildings, Seepage. A. Cheney. 1,868,092 ; July 19.
Protector for pocket check books, Check. C. Anderson. 1,865,071 ; June 28.
Protector for rumble seats, Sun and rain. J. Spector. 1,853,150 ; Nov. 1.
Protector for the outside baseboard of a window. J. Harper. 1,859,392 ; May 24.
Protector for toilet seats. M. T. Simon. 1,873,225 ; Aug. 23.
Protector for watering devices, Chick. M. T. Sueper. 1,874,141 ; Aug. 30.
Protector, Fountain pen. T. Kovacs. 1,842,677 ; Jan. 26.
Protector, Garment. C. T. Chandler. 1,875,416 ; Sept. 6.
Protector, Garment. S. J. Goldsmith. 1,878,771 ; Sept. 20.
Protector, Gasoline tank. P. A. Bertaut. 1,858,799 ; May 17.
Protector, Gauge. F. G. Hirsch. 1,864,906 ; June 28.
Protector-guard for stylus of recording mechanism. E. S. Pierce. 1,859,233 ; May 17.
Protector, Handle. E. P. Seghers. 1,851,136 ; Mar. 29.
Protector, Hat. A. J. Brooks. 1,841,875 ; Jan. 19.
Protector, Hat. J. Collins. 1,880,819 ; Oct. 4.
Protector, Head. R. H. Schwendler and C. W. Mehling. 1,876,521 ; Sept. 6.
Protector, Headlight lens. J. A. Scardina. 1,890,130 ; Dec. 6.
Protector. Heel and sole. S. Vellner. 1,869,988 ; Aug. 2.
Protector, Hose. H. M. Yost. 1,892,122 ; Dec. 27.
Protector, Hosiery. S. H. Walker. 1,889,716 ; Nov. 29.
Protector, Ignition switch. C. L. Bahnyak. 1,889,343 ; Nov. 29.
Protector illuminator and glare eliminator, Combined gauge glass. G. Ernst. 1,850,620 ; Mar. 22.
Protector, Key-hole. R. Behrendt. 1,846,078 ; Feb. 23.
Protector, Lapel. M. N. Kohler. 1,870,737 ; Aug. 9.
Protector, Lineman's. C. R. Dennis and P. G. Briney. 1,866,881 ; July 12.
Protector, Mattress. B. Weinberg. 1,869,450 ; Aug. 2.
Protector, Message. L. Weisner and L. S. Hill. 1,845,927 ; Feb. 16.
Protector or covering for the head of a person for use in the process of permanent hair waving. L. M. Butcher. 1,858,114 ; Apr. 12.
Protector or shield, Date. A. Le Grand. 1,858,513 ; May 17.
Protector or shield, Heel. A. J. Gruber. 1,841,027 ; Jan. 12.
Protector or similar article, Pocket check. S. L. Pollock. Des. 74,405 ; Nov. 19.
Protector, Packing. C. T. Sowden. 1,845,939 ; Feb. 16.
Protector, Pail. H. L. Kaufman. 1,864,200 ; June 21.
Protector, Pallet brush. F. Olsen. 1,851,521 ; Mar. 29.
Protector, Pipe-end. P. J. Shrum. 1,887,332 ; Nov. 8.
Protector, Pipe thread. B. Brownstein. 1,860,886 ; May 31.
Protector, Pipe thread. C. J. Hochenauer and C. S. Smith. 1,847,396 ; Mar. 1.
Protector, Pipe-thread. L. G. Ponce. 1,885,375 ; Nov. 1.
Protector, Plant. J. P. Gregg. 1,848,345 ; Mar. 8.
Protector, Plant. H. R. Sage. 1,866,059 ; July 5.
Protector, Plant. W. R. Schindler. 1,851,331 ; Mar. 29.
Protector, Pocket. L. Bruce. 1,875,847 ; Sept. 6.
Protector, Portable check. L. J. Levi. 1,879,954 ; Sept. 27.
Protector, Rain. N. Schmidt. 1,864,948 ; June 28.
Protector, Rotary drill pressure gauge. D. G. Dawkins. 1,849,137 ; Mar. 15.
Protector, Rumble seat. E. B. Brotherton. 1,859,286 ; May 17.
Protector, Sanitary faucet. C. M. Simmons. 1,850,359 ; Mar. 22.
Protector, Sanitary food. I. M. McLeod. 1,886,711 ; Nov. 8.
Protector, Sanitary toilet seat. M. T. Phillips. 1,863,499 ; June 14.
Protector, Scalp. J. E. Dwyer. 1,880,913 ; Oct. 4.
Protector, Shoe and stocking. L. Argard. 1,871,576 ; Aug. 16.
Protector, Shoe heel. D. L. Minton. 1,855,304 ; Apr. 26.
Protector, Shoulder. G. S. Warner. 1,887,473 ; Nov. 8.
Protector, Switch point. W. B. Lee. 1,848,363 ; Mar. 8.
Protector, Teeth. F. M. Record and G. Travers. 1,843,337 ; Feb. 2.
Protector, Thread. H. A. Unke. 1,853,945–6 ; Apr. 12.
Protector, Tree. M. J. Weaver. 1,875,533 ; Sept. 6.
Protector, Trouser cuff. A. Valente and J. M. De Luca. 1,854,532 ; Apr. 19.
Protector, Wrist watch. A. H. Kampf. 1,857,195 ; May 10.
Protein composition. M. Levin. 1,857,596 ; May 10.
Proteinases free from peptidases, Preparing. W. Neugebauer. 1,892,247 ; Dec. 27.
Proteolytic enzymes by means of microorganisms, Manufacture of. A. R. Boidin and I. A. Effront. 1,882,112 ; Oct. 11.
Protocatechuic aldehyde and its substitution products, Manufacture of. F. Elger. 1,891,149 ; Dec. 13.
Protractor. U. Dowd. 1,878,119 ; Sept. 20.
Protractor and spirit level, Combined. A. W. Johnson. 1,889,145 ; Nov. 29.
Protractor triangle. S. T. Smith. 1,845,449 ; Feb. 16.
Prow construction for boats. S. Orking. 1,859,374 ; May 24.
Prune picker. J. Liebfried. 1,879,905 ; Sept. 27.
Psychological testing apparatus. W. O. Snelling. 1,878,008 ; Sept. 20.
Public address system, Binaural. A. M. Nicolson. 1,852,524 ; Apr. 5.
Publicity apparatus. W. H. Chadwick. 1,842,895 ; Jan. 26.
Puddling furnace. H. W. Schoenfeldt. 1,883,413 ; Oct. 18.
Puddling machine. S. R. Blackwell. 1,849,903 ; Mar. 15.
Puddling, Method and apparatus for. C. Hart. 1,892,271 ; Dec. 27.
Puff and making the same, Powder. A. B. Charroin. 1,857,194 ; Nov. 8.
Pull for slide fastener. A. E. Carlile. Des. 87,738 ; Sept. 13.
Pull rod slip clamp. R. C. Dublin. 1,862,886 ; June 14.
Puller : *See*—

Battery cell puller.	Sleeve puller.
Battery terminal puller.	Tape puller.
Bearing puller.	Terminal puller.
Coke puller.	Tie puller.
Fuse puller.	Wood puller.
Hub puller.	Wheel and gear puller.
Magnetic axle puller.	Wheel puller.
Nail and tack puller.	Wire puller.
Nail puller.	Wrist pin puller.
Post puller.	

Puller, J. T. Cosgrove. 1,873,294 ; Aug. 23.
Puller. G. W. Nickerson. 1,883,702 ; Dec. 20.
Puller. G. W. Nickerson. 1,877,684 ; Sept. 13.
Puller for working implements. W. A. Smith, sr. 1,851,599 ; Mar. 29.
Puller stock. W. L. Smith. 1,845,450 ; Feb. 16.
Pulley. L. C. Bendit. 1,887,279 ; Nov. 8.
Pulley. J. H. Dillon. 1,844,059 ; Feb. 9.
Pulley. A. L. Freedlander. 1,847,177 ; Mar 1.
Pulley. N. A. Irwin. 1,856,993 ; May 3.
Pulley, Adjustable. G. J. Meyer. 1,881,028 ; Oct. 4.
Pulley and mounting for glass cutting lathes. T. H. Jarvis. 1,874,755 ; Aug. 30.
Pulley and shaft coupling. J. V. Lambert. 1,843,567 ; Feb. 2.
Pulley, Cathead. C. D. Spracher. 1,849,337 ; Mar. 15.
Pulley, Clutch. E. Roberts. 1,884,873 ; Oct. 25.
Pulley, Crown block. H. B. Oursler. 1,848,379 ; Mar. 8.
Pulley, Differential. H. Gaillard. 1,867,882 ; July 19.
Pulley, Expanding. F. D. Fowler. 1,860,410 ; May 31.
Pulley, Expansible. E. F. Mans. 1,870,385 ; Sept. 6.
Pulley, Expansion. R. E. Rundell. 1,892,252 ; Dec. 27.
Pulley, Hydraulically controlled variable speed. R. A. Olson and R. H. Shadrick. 1,879,632 ; Sept. 27.
Pulley, Jerk line break out. C. W. Byrd. 1,853,547 ; Apr. 12.
Pulley, Loose. G. Y. Malcolm. 1,881,780 ; Oct. 11.
Pulley remover. D. C. Cooney. 1,870,711 ; Aug. 9.
Pulley, Sash. F. J. and H. H. Pease. 1,868,761 ; July 26
Pulley, Sash. J. F. Seelbach. 1,845,631 ; Feb. 16.
Pulley, Window. R. E. Hamilton. 1,849,487 ; Mar. 15.
Pulley, Window. R. E. Hamilton. 1,862,305 ; June 7.
Pulley, Wood rim. H. Hertfelder. 1,866,303 ; July 5.
Pulling device. D. Kremko. 1,883,359 ; Nov. 22.
Pulling jack. S. J. Montgomery. 1,854,055 ; Apr. 12.
Pulling-over machine. B. Jorgensen. 1,844,856 ; Feb. 9.
Pulp and apparatus therefor, Making rice straw. P. Swan. 1,859,224 ; May 17.
Pulp, Apparatus and process for production of. J. W. Stevens and W. H. Keenan. 1,890,755 ; May 31.
Pulp, Apparatus for dewatering and washing. R. T. Lang. 1,876,064 ; Sept. 6.
Pulp, Apparatus for making. R. W. Hovey. 1,858,591 ; May 17.
Pulp article, Molded. M. P. Chaplin. 1,846,310 ; Feb. 23.
Pulp article, Molded. E. L. Shepard and J. G. Haskell. 1,848,066 ; Mar. 1.
Pulp articles and materials therefor, Treatment of. A. L. Clapp. 1,857,498 ; May 10.
Pulp articles, Mechanism for and method of manufacturing. A. W. Morris. 1,880,458 ; Oct. 4.
Pulp articles, Producing molded. M. P. Chaplin. 1,845,831 ; Feb. 16.
Pulp articles, Producing molded. M. P. Chaplin. 1,848,055 ; Mar. 1.

Pulp board. G. Landt and H. L. Becher. 1,860,466; May 31.
Pulp board, Making resin coated. H. C. Harvey and H. L. Becher. 1,851,177; Mar. 29.
Pulp distributor. N. H. Bergstrom. 1,847,426; Mar. 1.
Pulp, etc., Manufacture of. L. Bradley and E. P. McKeefe. 1,860,570; May 31.
Pulp, etc., Manufacture of. L. Bradley and E. P. McKeefe. 1,860,848; May 31.
Pulp, etc., Production of. L. Bradley and E. P. McKeefe. 1,860,803; May 31.
Pulp, etc., Production of. L. Bradley and E. P. McKeefe. 1,870,944; Aug. 9.
Pulp for high grade paper manufacture, Producing white wood. G. A. Richter. 1,880,049; Sept. 27.
Pulp for nitration, Treating wood. A. Hough, J. R. Dufford, and W. C. Leonhard. 1,885,352; Nov. 1.
Pulp from raw cellulosic materials, Liberating. G. A. Richter. 1,864,620; June 28.
Pulp from vegetable material, Production of fibrous. J. D. Rue, D. Wells, and F. G. Rawling. 1,859,848; May 24.
Pulp, Making. E. P. Stevenson. 1,887,863; Nov. 15.
Pulp manufacture. R. W. Richardson. 1,885,764; Nov. 1.
Pulp, Method and apparatus for beating. A. D. Little. 1,842,758; Jan. 26.
Pulp, Method of and apparatus for forming articles of. F. C. Root. 1,852,937; Oct. 18.
Pulp of high alpha cellulose content, Production of. G. A. Richter. 1,848,662; Mar. 8.
Pulp or the like, Apparatus and method for making. D. B. Whistler. 1,868,299; July 19.
Pulp, Preparing refined bleached. H. A. Helder. 1,890,179; Dec. 6.
Pulp, Preparing straw. P. Drewsen. 1,880,898; Oct. 4.
Pulp, Process of and apparatus for the treatment of. H. W. Preece. 1,840,774; Jan. 12.
Pulp product and its manufacture. D. M. Sutherland, jr. 1,884,366; Oct. 25.
Pulp production. L. Bradley and E. P. McKeefe. 1,846,672; Feb. 23.
Pulp, Production of. L. Bradley and E. P. McKeefe. 1,887,899; Nov. 15.
Pulp, Method of. E. R. Darling. 1,845,487; Feb. 16.
Pulp, Production of cellulose. R. W. Richardson and C. S. Sherman. 1,851,522; Mar. 29.
Pulp, refining and bleaching process. G. A. Richter. 1,880,040; Sept. 27.
Pulp refining process. G. A. Richter. 1,880,047; Sept. 27.
Pulp rovings, Manufacture of. M. O. Schur and W. B. Meglitz. 1,867,599; July 19.
Pulp rovings, Manufacture of. J. C. Sherman. 1,887,959; Nov. 15.
Pulp rovings, Manufacture of. F. W. Vogel and W. B. Meglitz. 1,864,624; June 28.
Pulp screen. W. R. Widmark. 1,874,834; Aug. 30.
Pulp screen, Rotary. T. O'Connor. 1,877,030; Sept. 13.
Pulp screen, Rotary. J. Stadler. 1,843,791; Feb. 2.
Pulp screening machine and process. A. J. Haug. 1,864,818; June 28.
Pulp screw press. R. T. Lang. 1,851,191; Mar. 29.
Pulp shredding apparatus. R. D. Kehoe. 1,851,390; Mar. 29.
Pulp stock at constant tonnage rate, Method of and apparatus for delivering. M. O. Schur. 1,882,991; Oct. 18.
Pulp suitable for manufacture into fiber-board and paper, Preparing and making. D. F. Harbaugh. 1,842,984; Jan. 26.
Pulp, Treating paper. W. K. Talbot. 1,850,733; Mar. 22.
Pulped material and preparing the same. J. D. Rue, S. D. Wells, and F. G. Rowling. 1,859,847; May 24.
Pulping and shredding system. G. S. Witham, jr. 1,887,225; Nov. 8.
Pulping machine. W. G. Fraser. 1,869,243; July 26.
Pulp, Forming. E. P. Stevenson and H. A. Buron. 1,859,414; May 24.
Pulps, Production of high grade chemical. G. A. Richter. 1,880,048; Sept. 27.
Pulsating machine for use in roadbed constructions. W. P. Day and F. M. Case. 1,843,066; Jan. 26.
Pulsator. H. McCornack. 1,875,083; Aug. 30.
Pulsator for milking machines. E. A. Forsberg. 1,849,665; Mar. 15.
Pulsator for milking machines. F. G. Hodsdon. 1,844,853; Feb. 9.
Pulsator for milking machines. F. G. Hodsdon. 1,891,983; Dec. 27.
Pulsator, Milking machine. J. L. Hulbert. 1,885,110; Nov. 1.
Pulsator, Oscillating. S. Apostoloff. 1,891,493; Dec. 20.
Pulsing machine. J. O. Lewis. 1,855,603; Apr. 26.
Pulverizer for fuel. A. Bell. 1,887,281; Nov. 15.
Pulverized material, Pneumatic transporting and distributing of. J. E. Kennedy. 1,871,853; Aug. 16.
Pulverized substances, Method of and apparatus for transporting. W. H. Moulthrop. 1,889,562; Nov. 29.
Pulverizer. G. H. Kaemmerling. 1,854,844; Apr. 19.
Pulverizer. A. F. Williams. 1,887,366; Nov. 8.
Pulverizer and feeder, Coal. O. E. Bornhauser. 1,861,779; June 7.
Pulverizer and packer, Land. J. A. Gausche. 1,857,753; May 10.
Pulverizer, Disk. E. C. Sandeen. 1,884,273; Oct. 25.
Pulverizer for tractors, Track. H. W. Freeman. 1,887,348; Nov. 8.
Pulverizer, Soil. M. D. Miller. 1,884,803; Oct. 25.
Pulverizers and the like, Feeder for. W. W. Pettibone. 1,866,429; May 8.
Pulverizing apparatus. L. V. Andrews. 1,840,380; Jan. 12.
Pulverizing apparatus. W. A. Woodeson. 1,881,013; Oct. 4.
Pulverizing machine. P. V. Jali. 1,886,103; Nov. 1.
Pulverizing materials, Apparatus for. W. De Coursey. 1,866,297; July 5.
Pulverizing or crushing machine. E. E. Elsemeyer and H. C. Griesedieck. 1,862,889; June 14.
Pump. B. S. Aikman. 1,861,732; June 7.
Pump. M. D. Aisenstein. 1,849,217; Mar. 15.
Pump. M. T. Archer. 1,846,970; Mar. 1.
Pump. F. S. Barks. 1,858,979; May 17.
Pump. H. Becker. 1,873,812; Aug. 23.
Pump. E. Benedek. 1,876,833; Sept. 13.
Pump. A. Bobeshkaut. 1,860,768; May 31.
Pump. P. H. Bray. 1,840,432; Jan. 12.
Pump. E. L. Brown. 1,858,036; May 10.
Pump. A. W. Burks. 1,871,539; Aug. 9.
Pump. W. C. Carter. 1,871,040; Aug. 9.
Pump. K. S. Clapp and T. H. Eickhoff. 1,889,822; Dec 6.
Pump. E. A. Davis. 1,864,412; June 21.
Pump. L. A. Dourson. 1,847,236; Mar. 1.
Pump. J. Dubrovin. 1,890,571–2; Dec. 13.
Pump. A. L. Fawcett. 1,860,279; May 24.
Pump. H. Gerken. 1,866,026; July 5.
Pump. W. F. Godfrey. 1,874,282; Aug. 30.
Pump. J. A. Goodner. 1,840,711; Jan. 12.
Pump. H. W. Gronemeyer. 1,843,155; Feb. 2.
Pump. L. B. Gruman. 1,868,486; July 26.
Pump. W. C. Harbison. 1,879,219; Sept. 27.
Pump. J. P. Hess. 1,874,010; Aug. 30.
Pump. J. E. Holveck. 1,862,823; June 14.
Pump. W. E. Hubbard. 1,842,785; Jan. 26.
Pump. V. M. Imshenetsky. 1,846,557; Feb. 23.
Pump. W. E. King. 1,839,485; Jan. 5.
Pump. H. S. Lee. 1,881,723; Oct. 11.
Pump. J. P. Lidiak. 1,857,965; May 10.
Pump. H. M. Lockhart. 1,884,008; Oct. 25.
Pump. P. Mallebhan. 1,840,961; Jan. 12.
Pump. B. L. Masters and J. Sinadin. 1,859,672; May 24.
Pump. F. J. Miller. 1,865,873; July 5.
Pump. H. G. Musser. 1,864,064; June 28.
Pump. A. C. Nelson. 1,848,647; Mar. 8.
Pump. I. J. Parker. 1,870,137; Aug. 2.
Pump. E. W. Patterson. 1,842,624; Jan. 26.
Pump. L. M. Persons. 1,843,371; Feb. 2.
Pump. L. M. Persons. 1,848,746; Mar. 8.
Pump. F. J. Rayfield. 1,881,961; Oct. 11.
Pump. J. Retsema. 1,844,103; Feb. 9.
Pump. J. R. Richer. 1,842,569; Jan. 26.
Pump. H. Richter. 1,869,824; Aug. 2.
Pump. J. R. Sandage. 1,880,494; Oct. 4.
Pump. C. B. Sanders. 1,888,474; Nov. 22.
Pump. O. O. Smith. 1,879,567; Sept. 27.
Pump. C. D. Stephens. 1,848,441; Mar. 8.
Pump. H. Strom. 1,877,617; Sept. 13.
Pump. V. L. Tannehill. 1,854,775; Apr. 19.
Pump. J. S. Taylor and C. C. Smith. 1,855,498; Apr. 26.
Pump. J. B. and C. H. Teesdale. 1,854,317; Apr. 19.
Pump. J. B. and C. H. Teesdale. 1,875,398; Sept. 6.
Pump. J. A. Tennant. 1,888,053; Nov. 15.
Pump. A. W. Walker. 1,871,867; Aug. 16.
Pump. J. R. Welk. 1,878,739; Sept. 20.
Pump, Accelerator. F. H. Heitzer. 1,881,559; Oct. 11.
Pump adjuster, Self aligning. W. L. Borough. 1,854,290; Apr. 19.
Pump, Air. O. Beller. 1,872,225; Aug. 16.
Pump, Air and oil feeding. W. H. D. Brouse. 1,882,206; Oct. 11.
Pump, Air pumping centrifugal. A. W. Burks. 1,867,652–3; July 19.
Pump and bailer, Combination sand. D. E. Webber. 1,866,828; July 12.
Pump and clutch mechanism. A. G. Rayburn. 1,840,877; Jan. 12.
Pump and crank case ventilator, Combination fuel. B. H. Zelbig and J. Zubaty. 1,847,457; Mar. 1.
Pump and driving mechanism. E. C. Ekstromer. 1,868,098; July 19.
Pump and fan, Rotary. H. Mawson. 1,887,417; Nov. 8.
Pump and fuel injector for Diesel engines, Combination fuel. H. Le Pul. 1,860,862; May 31.
Pump and fuel injector for Diesel engines, Combination fuel. H. Le Pul. 1,880,865; May 31.
Pump and operating same, Combination. H. S. Berkey. 1,868,874; July 26.
Pump and operating same, Fuel feed. H. Junkers. 1,849,490; Mar. 15.
Pump and the like, Gear. A. A. Ross. 1,880,108; Sept. 27.
Pump and the like, Grease. H. J. Anderson. 1,885,314; Nov. 1.
Pump and the like, Grease. H. J. Anderson and F. Gordon. 1,885,315; Nov. 1.
Pump and the like, Hand-operated air. F. E. Hall. 1,882,827; Oct. 18.

Pump, and the like, Rotary. L. Burn. 1,890,560; Dec. 13.
Pump and the like, Rotary. R. Schmidt. 1,846,692; Feb. 23.
Pump assembly for internal combustion engines. H. B. Nelson. 1,891,392; Dec. 20.
Pump assembly, Safety deep well. J. V. Box. 1,878,372; Sept. 20.
Pump, Automatic fluid pressure displacement. C. B. Pendleton. 1,872,801; Aug. 23.
Pump, Automobile. D. Lalli. 1,884,928; Oct. 25.
Pump, Automobile tire. L. Borochoff. 1,846,784; Feb. 23.
Pump, Automobile tire. E. A. Hester. 1,887,715; Nov. 15.
Pump, Bilge. S. E. Aaron. 1,856,367; May 3.
Pump, Blower and vacuum. J. Dubrovin. 1,879,136; Sept. 27.
Pump, Breast. E. Lasker. 1,847,658; Mar. 1.
Pump, Breast. E. Lindqvist. 1,850,959; Mar. 22.
Pump by-pass, Water. B. H. Anibal. 1,848,987; Mar. 8.
Pump, Cam actuated fuel. C. S. Burton. 1,874,890; Aug. 30.
Pump, Capsular. J. H. Azlen. 1,857,921; May 10.
Pump, Centrifugal. A. W. Burke. 1,861,839; June 7.
Pump, Centrifugal. L. P. Hoff. 1,891,201; Dec. 13.
Pump, Centrifugal. H. E. La Bour. 1,847,695; Mar. 1.
Pump, Centrifugal. J. W. Macmeeken. 1,874,324; Aug. 30.
Pump, Centrifugal. V. J. Milkowski. 1,891,267; Dec. 20.
Pump, Centrifugal. F. D. Oliver. 1,849,557; Mar. 15.
Pump, Centrifugal. J. E. Vitu. 1,867,290; July 12.
Pump, Centrifugal. A. B. Wood. 1,849,127; Mar. 15.
Pump, Chain. C. Vellino. 1,857,896; May 10.
Pump combination. A. M. Babitch. 1,889,396; Nov. 29.
Pump, Combination manual and coin automatic. L. E. Rush. 1,891,950; Dec. 27.
Pump, Combined booster and fire. C. H. Fox. 1,885,093; Oct. 25.
Pump, Combined irrigation and drainage. P. M. Hoenshel. 1,856,387; May 3.
Pump, compressor, engine and the like. C. Hughes. 1,892,345; Dec. 27.
Pump construction. A. Bohnenblust. 1,887,180; Nov. 8.
Pump construction. H. Wolf. 1,877,111; Sept. 13.
Pump control for hydraulic presses, Plural pressure. W. Ernst. 1,870,501; Aug. 9.
Pump control, Pneumatic tire. B. F. Reynolds. 1,868,766; July 26.
Pump, Deep well. C. G. Boone. 1,851,801; Mar. 29.
Pump, Deep well. H. W. Bradshaw. 1,854,175; Apr. 19.
Pump, Deep well. J. A. Glover. 1,858,270; May 17.
Pump, Deep well. R. H. Grant. 1,857,886; Nov. 15.
Pump, Deep well. F. C. Kniss and R. N. Vickers. 1,864,914; June 28.
Pump, Deep well. C. Potter. 1,868,150; July 19.
Pump, Deep well. B. H. Scott. 1,887,736; Nov. 15.
Pump, Deep well. J. B. Spellacy and J. E. Mead. 1,848,295; Feb. 9.
Pump, Deep well. H. K. V. Tompkins. 1,845,453; Feb. 16.
Pump, Deep well fluid motor. B. H. Scott and S. E. Ross. 1,887,405; May 10.
Pump, Deep-well turbine. G. S. Coats. 1,874,450; Aug. 30.
Pump, Diaphragm. R. J. Holmgreen. 1,877,873; Sept. 20.
Pump, Diaphragm convertible. J. C. Gorman. 1,891,408; Dec. 20.
Pump, Dispensing. B. H. Alvey. 1,845,039; Feb. 16.
Pump, Dispensing. M. J. and H. E. Caswell. 1,859,287; May 24.
Pump, Dispensing. E. E. Eickmeyer and G. W. Eichhoff. Des. 87,874; Oct. 4.
Pump, Double acting deep well. C. G. Boone. 1,851,802; Mar. 29.
Pump, Double-acting reciprocating. E. Mendenhall and J. B. Van Horn. 1,891,771; Dec. 20.
Pump, Double action. M. A. Clark. 1,867,906; July 19.
Pump, Double suction centrifugal. M. M. Klossom. 1,881,040; Oct. 4.
Pump, Dredge. J. W. Staup. 1,878,429 Sept. 20.
Pump, Dredging or like. C. E. Daugherty. 1,869,955; Aug. 2.
Pump, Duplex. H. Peters. 1,857,864; May 10.
Pump, Eccentric. P. E. Klopsteg. 1,890,614; Dec. 13.
Pump, Electric meter. G. W. MacKenzie. 1,850,081; Mar. 22.
Pump, Electromagnetic. A. A. La Pointe. 1,844,772; Feb. 9.
Pump, Electromagnetic. I. B. Winsor. 1,840,904; Jan. 12.
Pump, Electromagnetic fuel. W. R. Hewitt. 1,853,811; Apr. 12.
Pump, Electromagnetic fuel. P. S. Tice. 1,866,136–7; July 5.
Pump, Electromagnetic fuel. P. S. Tice. 1,888,250; Nov. 22.
Pump, Engine, meter, or the like, Rotary. E. Feuerheerd. 1,866,761; July 12.
Pump, Engine operated fuel. E. A. Rockwell. 1,864,219; June 21.
Pump, Flavoring syrup. C. L. Thompson. 1,846,500; Feb. 23.
Pump, Fluid. F. W. Heckert. 1,881,554; Oct. 11.
Pump, Fluid. A. C. Wood. 1,875,904; Sept. 6.
Pump, Football. A. M. Ickrath. 1,846,519; Feb. 23.
Pump for delivering measured quantities of liquid. J. Fraser. 1,879,870; Sept. 27.
Pump for Diesel engines, Injection. S. Alder. 1,886,930; Nov. 8.
Pump for gasoline and the like, Dispensing. A. C. Smith. 1,889,455; Nov. 29.
Pump for injecting liquid fuel into internal combustion engines. F. Feyens. 1,859,926; Mar. 22.
Pump for internal combustion engines, Fuel. G. R. Ericson. 1,855,443; Apr. 26.
Pump for internal combustion engines, Fuel injection. C. Brown and W. Comery. 1,877,803; Sept. 20.
Pump for internal combustion engines, Liquid fuel injection. G. S. Wilkinson. 1,854,099; Apr. 12.
Pump for liquids, Delivery. R. Avigdor. 1,883,459; Oct. 18.
Pump for lubricating systems and the like. T. W. Hallerberg. 1,886,397; Nov. 8.
Pump for medical purposes, Piston. C. Mayer. 1,866,217; July 5.
Pump for pressure tanks. G. Brown. 1,886,158; Nov. 1.
Pump for refrigerating apparatus. A. A. McCormack. 1,840,045; Jan. 5.
Pump for refrigerating apparatus. O. M. Summers. 1,884,362; Oct. 25.
Pump for refrigerating machines. T. I. Potter. 1,841,499; Jan. 19.
Pump for refrigerating systems. F. H. Du Vernet. 1,857,752; Nov. 15.
Pump for spraying apparatus. R. L. Bacher and W. R. Bauman. 1,844,416; Feb. 9.
Pump for use in the bottom of wells, Hydraulic. J. Penrod. 1,845,179; Feb. 16.
Pump for windmills, Booster. A. L. Ligon. 1,851,915; Mar. 29.
Pump for windmills, Booster. R. A. Ligon. 1,857,026; May 3.
Pump, Fuel. L. and C. L. Chevrolet. 1,866,083; July 5.
Pump, Fuel. O. G. Collins. 1,852,843; Apr. 5.
Pump, Fuel. F. Frelin. 1,865,624; July 5.
Pump, Fuel. F. Gosslau. 1,876,916; Sept. 13.
Pump, Fuel. H. Hoelzer. 1,869,581; May 31.
Pump, Fuel. F. Lang. 1,885,980; Oct. 25.
Pump, Fuel. W. H. Muzzy. 1,881,860; Oct. 11.
Pump, Fuel. G. F. Nolfein. 1,850,083; Mar. 22.
Pump, Fuel. A. C. Ressler. 1,859,517; Nov. 29.
Pump, Fuel. F. G. Schweisthal. 1,845,937; Feb. 16.
Pump, Fuel. G. B. Trost. 1,849,856; Mar. 15.
Pump, Fuel and air. M. Tschirch. 1,857,675; May 10.
Pump, Fuel supply. E. Dodson. 1,849,060; Mar. 15.
Pump, Gas lift. G. E. Denman. 1,861,843; June 7.
Pump, Gas lift. F. W. Harris. 1,853,269; Apr. 12.
Pump, Gasoline. E. E. Eickmeyer. 1,855,797; Apr. 26.
Pump, Gasoline. C. J. Whitacre. 1,881,255; Oct. 4.
Pump, Gasoline dispensing. E. E. Eickmeyer and H. H. Wolfe. Des. 86,115; Feb. 2.
Pump, Gasoline dispensing. G. W. Vos. Des. 87,607; Aug. 16.
Pump, Gasoline or other article dispensing. E. E. Eickmeyer and G. W. Eichhoff. Des. 88,144; Nov. 1.
Pump, Gravity and force stock. J. A. F. Osse. 1,856,582; May 3.
Pump gun. J. J. Henry. 1,853,862; Apr. 12.
Pump having means for locating impellers, Deep well turbine. J. A. Wintrouth. 1,844,831; Feb. 9.
Pump having means for removing stretch from pump shafts, and for lubricating bottom bearings, Deep well turbine. J. A. Wintrouth. 1,844,831; Feb. 9.
Pump having separate means for carrying hydrostatic loads, Deep well turbine. J. A. Wintrouth. 1,844,829; Feb. 9.
Pump having wire cable for driving same. J. A. Wintrouth. 1,856,610; May 3.
Pump, High pressure. J. L. Mauldin. 1,877,521; Sept. 13.
Pump, High pressure hot water. C. D. Allen. 1,849,900; Mar. 15.
Pump, High speed. H. F. Vickers. 1,878,736; Sept. 20.
Pump, Hot oil. C. W. Stratford. 1,866,044; July 5.
Pump, Hydraulic. L. F. Moody. 1,882,025; Oct. 11.
Pump, Hydraulic. E. Stanley. 1,859,721; May 24.
Pump, Hydraulic operated. C. L. Evans. 1,851,666; Mar. 29.
Pump, Hydrovacuum. T. R. Hayton. 1,849,929; Mar. 15.
Pump, Impact ejector. C. J. Wolff and W. W. Couch. 1,869,621; July 26.
Pump impeller, Centrifugal. M. M. Klosson. 1,844,834; June 28.
Pump, Inertia. C. H. Braselton and F. B. MacLaren. 1,870,707; Aug. 9.
Pump, Injection. E. T. Adams. 1,862,132; June 7.
Pump installation comprising an air-separating device, Centrifugal. H. Lauchenmyer. 1,855,061; Apr. 19.
Pump jack. W. G. Hall and N. G. Hall. 1,890,781; Dec. 13.
Pump jack. W. B. Vaughn. 1,865,290; June 28.
Pump jack balance, Adjustable. S. Baardseth. 1,844,815; Feb. 9.
Pump jack. Quick return straight line. F. B. McCrosky. 1,891,552; Dec. 20.
Pump, Lift. M. J. Babin. 1,871,577; Aug. 16.
Pump liner holding device. J. M. Shimer. 1,860,484; May 31.
Pump, Liquid. C. O. Buenger. 1,858,184–5; May 10.
Pump, Liquid. R. L. Kent. 1,853,767; Apr. 12.
Pump, Liquid. P. Krause. 1,879,876; Sept. 27.

Pump, Liquid dispensing. H. H. Wolfe. Des. 87,698; Aug. 30.
Pump, Lubricant supply. C. G. Butler. 1,853,602; Apr. 12.
Pump, Lubricating. K. Lorenz and G. Schiesswohl. 1,845,429; Feb. 16.
Pump, Lubricating. J. Muller. 1,878,167; Sept. 20.
Pump, Lubricator. K. S. Clapp and T. H. Eickhoff. 1,874,026; Aug. 30.
Pump machine, Rotary. G. E. T. Eyston. 1,862,954; June 14.
Pump machine, Rotary. G. E. T. Eyston. 1,887,884; Nov. 15.
Pump, Magnetic. A. Lanctot and E. Sperisen. 1,888,322; Nov. 22.
Pump, Magnetic piston. E. Lehrer. 1,881,724; Oct. 11.
Pump mechanism. E. W. Dilg. 1,855,708; Apr. 26.
Pump mechanism. E. W. Dilg. 1,868,161; July 19.
Pump mechanism. S. Wiltse. 1,881,012; Oct. 4.
Pump, Motor driven fluid. S. A. Moss. 1,886,714; Nov. 8.
Pump, Multicylinder. C. E. Miller. 1,871,816; Aug. 16.
Pump, Multiple stage hydraulic. W. W. Sloane. 1,843,246; Feb. 2.
Pump, Multistage pneumatic. L. D. Gilbert. 1,875,440; Sept. 6.
Pump, Noncorrodible deep well. S. B. Merrick. 1,844,780; Feb. 9.
Pump, Oil. W. Alexander. 1,865,350; June 28.
Pump, Oil. O. Burr. 1,871,872; Aug. 16.
Pump, Oil. T. B. Bennett. 1,846,046; Feb. 23.
Pump, Oil. A. W. F. Manzel. 1,873,442; Aug. 23.
Pump, Oil. H. E. Meyer. 1,840,676; Jan. 12.
Pump, Oil. C. H. Powell. 1,843,733; Feb. 2.
Pump, Oil. B. Shreiber. 1,886,751; Nov. 8.
Pump, Oil well. A. Geddes. 1,875,178; Sept. 27.
Pump, Oil well. H. F. Watkins. 1,840,646; Jan. 12.
Pump, Oil well. H. F. Watkins. 1,863,643; June 21.
Pump operating mechanism. J. E. Jimmis. 1,871,063; Aug. 9.
Pump operating mechanism. G. N. Stafford. 1,839,611; Jan. 5.
Pump operating part, Fuel. A. M. Babitch. 1,891,902; Dec. 27.
Pump or compressor. P. O. Eckels. 1,860,278; May 24.
Pump or compressor. O. Simon. 1,888,544; Nov. 22.
Pump or compressor. P. Zens. 1,889,508; Nov. 29.
Pump or motor, Rotary. E. R. Dudley. 1,869,053; July 26.
Pump plunger and standing valve. J. W. Pippin. 1,864,469; June 21.
Pump, Pneumatic. H. S. Rogers. 1,863,941; June 21.
Pump, Pneumatic metal. I. Tornberg. 1,843,491; Feb. 2.
Pump, Portable. J. H. Morrow. 1,890,298; Dec. 6.
Pump, Portable grease dispensing. C. G. Butler. 1,861,230; May 31.
Pump, Portable sump. H. D. Yoder. 1,883,266; Oct. 18.
Pump, Power. R. L. Becher. 1,884,507; Oct. 25.
Pump, Power. J. B. Picard. 1,890,826; Dec. 13.
Pump regulator, Auxiliary oil. C. B. Campbell. 1,891,618; Dec. 20.
Pump rein. J. P. Ratigan. 1,873,326; Aug. 23.
Pump, Reversible hydro-turbine. H. E. Adams. 1,847,548; Mar. 1.
Pump, Reversible rotary. A. C. Roessler. 1,850,567; Mar. 22.
Pump rig. L. A. Barrett and J. P. Ferris. 1,890,244; Dec. 6.
Pump rig. W. and J. P. Ferris, and H. L. Crull. 1,890,428; Dec. 6.
Pump rig. W. S. Long. 1,870,180; Aug. 2.
Pump, Rotary. J. C. Bird. 1,865,504; July 5.
Pump, Rotary. A. W. Burks. 1,861,837–8; June 7.
Pump, Rotary. W. B. Campbell. 1,852,503; Apr. 5.
Pump, Rotary. E. Caskey. 1,891,302; Dec. 20.
Pump, Rotary. W. L. Claypool. 1,865,396; June 28.
Pump, Rotary. W. L. Claypool. 1,874,413; Sept. 6.
Pump, Rotary. C. W. Herzog. 1,881,575; Oct. 11.
Pump, Rotary. E. Hill. 1,863,335; June 14.
Pump, Rotary. A. Hudson. 1,871,525; Aug. 16.
Pump, Rotary. A. V. Jensen. 1,853,430; Apr. 12.
Pump, Rotary. A. V. Jensen. 1,863,160; June 14.
Pump, Rotary. A. G. Johnson. 1,879,805; Sept. 27.
Pump, Rotary. S. Karasick. 1,854,157; Apr. 12.
Pump, Rotary. H. W. Landenberger. 1,878,862; Sept. 20.
Pump, Rotary. N. Mihl. 1,861,706; June 7.
Pump, Rotary. J. L. Moore. 1,879,405; Sept. 27.
Pump, Rotary. T. W. Nichols. 1,864,458; June 21.
Pump, Rotary. J. A. Olson. 1,858,881; May 17.
Pump, Rotary. A. Peterson. 1,860,817; May 31.
Pump, Rotary. P. C. Petersen. 1,877,688; Sept. 13.
Pump, Rotary. C. F. Waite. 1,867,198; July 12.
Pump, Rotary. L. Weetman and G. B. Carman. 1,853,391; Apr. 12.
Pump, Sand. C. W. Miller. 1,861,022; May 31.
Pump screw. E. R. Douglas. 1,861,155; May 31.
Pump, Self priming. J. T. Janette. 1,849,093; Mar. 15.
Pump set, Submersible. J. Bricken. 1,872,111; Aug. 16.
Pump, Siphon. W. Modra and A. W. Meier. 1,842,043; Jan. 19.
Pump, Sirup. A. W. Lissauer and S. Vermilye. 1,863,754; June 21.
Pump, Sirup. O. Peterson. 1,874,612; Aug. 30.
Pump, Sirup. A. C. Pilcher and L. C. Pilcher. 1,874,614; Aug. 30.
Pump, Spinning. F. Sieper. 1,881,300; Oct. 4.
Pump, Spray. A. M. Sanborn. Des. 88,323; Nov. 15.
Pump, Stationary piston. A. C. Nelson. 1,848,648; Mar. 8.
Pump structure, Turbine. J. A. Wintroath. 1,844,622; Feb. 9.
Pump, Submerged. C. G. Butler. 1,870,192; Aug. 2.
Pump, Surge. V. Voorhees. 1,869,874; Aug. 2.
Pump system for V type engines, Auxiliary. C. D. Salisbury. 1,846,979; Feb. 23.
Pump, Traveling tube. J. A. Yerkes and R. H. Lemmon. 1,877,112; Sept. 13.
Pump, tubing protector. A. B. Edwards. 1,888,588; Nov. 22.
Pump, Turbine. A. Hollander. 1,863,849; June 21.
Pump unit, Motor. L. H. Labaw. 1,849,303; Mar. 15.
Pump unit, Water system. S. H. Hobson. Re18,543; July 26.
Pump, Vacuum. G. R. Brown and G. F. Naab. 1,846,947; Feb. 23.
Pump, Vacuum. J. Dubrovin. 1,890,573–4; Dec. 13.
Pump, Vacuum. C. D. Hickman. 1,857,506; May 10.
Pump, Vacuum. T. F. Moore. 1,867,585; July 19.
Pump, Vacuum. J. Peter. 1,879,947; Sept. 27.
Pump, Vacuum condensation. A. C. Durdin. 1,890,318; Dec. 6.
Pump, Variable volume. H. F. Vickers. 1,877,091; Sept. 13.
Pump, Vehicle tire. C. Otto. 1,885,284; Nov. 1.
Pump, Venom extraction. J. H. Wade. 1,864,700; June 28.
Pump, Volatile liquid transfer. M. C. Wemple. 1,851,338; Mar. 29.
Pump, Water. G. M. Hurd. 1,884,974; Oct. 25.
Pump, Well. L. E. McCune. 1,862,251; Apr. 5.
Pump, Well. R. I. Pendleton. 1,846,435; Feb. 23.
Pump, Well. H. F. Watkins. 1,850,484; Mar. 22.
Pump with air pumping pulsator, Fuel. H. Rabezzana. 1,840,527; Jan. 12.
Pump with tapered port members, Hydro-turbine. H. E. Adams. 1,847,261; Mar. 1.
Pumping and system therefor. A. W. Burks. 1,856,537; May 3.
Pumping apparatus. L. F. V. Drake. 1,873,314; Aug. 23.
Pumping apparatus. G. L. Ferguson. 1,879,149; Sept. 27.
Pumping apparatus. T. J. Gothard and R. Wunn. 1,885,820; Nov. 1.
Pumping apparatus. E. Kinsella. 1,884,737–9; Oct. 25.
Pumping apparatus. F. H. Lewis. 1,857,922; May 10.
Pumping apparatus. W. H. Parker. 1,871,128; Aug. 9.
Pumping apparatus. J. B. Sperry. 1,860,515; May 31.
Pumping apparatus, Deep well. J. W. Chancellor. 1,865,676; July 5.
Pumping apparatus, Dual purpose. L. F. Easton. 1,867,813; July 19.
Pumping apparatus, Dual purpose. L. F. Easton. 1,883,634; Oct. 18.
Pumping apparatus for medical treatments. Y. Wada. 1,874,607; Aug. 30.
Pumping apparatus, Grease or lubricant. L. Trager and H. F. Severa. 1,853,099; Apr. 12.
Pumping apparatus, Hydraulic. T. F. Moore. 1,890,125; Dec. 6.
Pumping apparatus, Oil well. H. F. Watkins. 1,850,431; Mar. 22.
Pumping apparatus, Pneumatic. R. L. Chenault. 1,890,720; Dec. 13.
Pumping apparatus, Pneumatic. G. B. Small. 1,863,701; June 21.
Pumping apparatus, Proportional. W. E. Repschleger, G. Armisead, jr., B. B. Talbot, and J. G. Placette. 1,872,503; Aug. 16.
Pumping apparatus, Self priming. A. C. Saxe and H. A. Smith. 1,840,257; Jan. 5.
Pumping apparatus, Well. H. H. Brannan. 1,865,054; June 28.
Pumping apparatus, Well. R. P. Simmons. Re18,527; July 12.
Pumping device. F. H. C. Coppus. 1,842,960; Jan. 26.
Pumping device. L. H. Wheeler. 1,843,939; Feb. 9.
Pumping jack. W. E. Cummins. 1,878,469; Sept. 20.
Pumping jack. B. G. Goble. 1,853,046; Apr. 12.
Pumping jack, Hydraulic. V. L. Du Bois. 1,840,311; Jan. 12.
Pumping means. M. J. Goldberg. 1,865,000; June 28.
Pumping means for gasoline gauges. L. H. Wheeler. 1,840,648; Jan. 12.
Pumping means for gasoline gauges. L. H. Wheeler. 1,840,759; Jan. 12.
Pumping mechanism. W. D. Bell. 1,853,252; Apr. 12.
Pumping mechanism. J. Oliphant. 1,857,393; May 10.
Pumping mechanism. F. Purdy. 1,881,939; Oct. 11.
Pumping mechanism. R. Replogle. 1,843,338; Feb. 2.
Pumping mechanism, Automatic. R. L. Newton. 1,862,195; June 7.
Pumping mechanism for fuel feeding systems for motor vehicles. F. H. Heitger. 1,871,989; Aug. 16.
Pumping outfits and the like, Operating mechanism for. C. A. Dailey. 1,891,403; Dec. 20.
Pumping rig. R. C. Mason. 1,848,736; Mar. 8.
Pumping system. N. E. Gunderson. 1,857,954; May 10.
Pumping system, Hydraulic. W. E. Hubbard. 1,879,262; Sept. 27.
Pumping system, Liquid sealed. W. H. Muzzy. 1,868,988; July 26.

Pumping unit for hydraulic power transmission systems. L. E. Godfriaux. 1,886,393; Nov. 8.
Pumping wells. Method of and apparatus for. A. L. Faber. 1,890,807; Dec. 13.
Pumps. E. D. Kohr. 1,877,311; Nov. 8.
Pumps, Automatic electric control for. O. H. Schurle. 1,842,295; Jan. 19.
Pumps, Control means for centrifugal. F. B. Allen. 1,860,603; May 31.
Pumps, Device for packing drive shafts of hot oil. M. D. Aisenstein. 1,850,614; Mar. 22.
Pumps, Governing mechanism for turbine driven. M. B. Hudson. 1,865,406; June 14.
Pumps of internal combustion engines, Regulation of the fuel feed. W. Sasse. 1,867,383; July 12.
Pumps, Priming apparatus for. A. C. Durdin, jr. 1,890,317; Dec. 6.
Punch: *See*—
  Electric key punch.
Punch. J. K. Diamond. 1,888,347; Nov. 22.
Punch. J. B. Formley. 1,863,901; June 21.
Punch. W. F. Miller. 1,869,073; July 26.
Punch. J. C. Olsen. 1,887,360; Nov. 8.
Punch. H. C. Parker. 1,890,955; Dec. 13.
Punch action. A. W. Mills. 1,845,001; Feb. 16.
Punch and countersink machine. W. H. Hudson. 1,843,483; Feb. 2.
Punch and die for roller bearing cages. S. A. Strickland. 1,883,079; Oct. 18.
Punch and die retainer. C. C. Richard. Re18,395; Mar. 22.
Punch and die retainer. C. C., C. A., and O. K. Richard. Reissue 18,396; Mar. 22.
Punch attachment. A. L. Kuhlman. 1,843,135; Feb. 2.
Punch, Bench. H. C. Spengler. 1,890,956; Dec. 13.
Punch, Blank. E. Gerko. 1,861,438; June 7.
Punch, Combinational hole. J. R. Peirce. 1,867,025; July 12.
Punch construction, Center. L. B. Ehrlich. 1,887,085; Nov. 8.
Punch for statistical cards. W. W. Lasker. 1,883,984; Oct. 25.
Punch, Hand. F. Miller. 1,848,021; Mar. 1.
Punch, Hand. D. F. Schumacher. 1,839,415; Jan. 5.
Punch mechanism. J. W. Zundt. 1,876,382; Sept. 6.
Punch press. E. Sass. 1,889,382; Nov. 29.
Punch press. C. F. Sherman. 1,882,451; Oct. 11.
Punch press, Automatic. B. J. Lindgren. 1,872,474; Aug. 16.
Punch, Prick. J. E. P. Cox. 1,874,460; Aug. 30.
Punch register for recording electrically transmitted signals, Key. M. Gray. 1,873,576; Sept. 27.
Punch, Shank and bit. J. Ditson and D. W. Hart. 1,851,620; Mar. 29.
Punch, Spacing. H. A. and L. O. Horst. 1,843,323; Feb. 2.
Punch, Straight and complement. R. Lorant. 1,883,308; Oct. 18.
Punches and dies for embossing printing characters in metal plates, Making. H. L. Thompson. 1,868,777; July 26.
Punches, Manufacturing staple-driving. G. Winter. 1,887,079; Nov. 8.
Punching and forming machine. G. Sundback. 1,878,201; Sept. 20.
Punching apparatus. H. B. Greenough. 1,858,496; May 17.
Punching bag apparatus. C. Rosenhahn. 1,890,696; Dec. 13.
Punching ball. K. Schindler. 1,851,649; Mar. 29.
Punching fixture. W. S. Utley. 1,884,398; Oct. 25.
Punching machine. J. B. Gury, jr. 1,884,668; Oct. 25.
Punching machine. W. Heidinger. 1,867,007; July 12.
Punching machine. W. Towle. 1,856,175; May 3.
Punching machine, Duplicating. F. L. Lee. 1,878,935; Sept. 20.
Punching machine, Portable fabric. D. B. Ashman. 1,880,031; Sept. 27.
Punching or like machine. A. Thomas and R. Fitz Power. 1,859,737; May 24.
Punching press, particularly for pattern cards as used in knitting machines and the like. F. Siegrist. 1,856,970; May 3.
Purification apparatus. H. J. Schneiderwith. 1,864,767; June 28.
Purification process using solvents. A. O. Jaeger, L. C. Daniels, H. J. West, and C. E. Stevenson. 1,870,686; Sept. 27.
Purifier. J. Forrest and A. C. Brenchley. 1,873,958; Aug. 30.
Purifier for lubricating systems. A. P. Brush. 1,868,814; July 26.
Purifying apparatus. F. E. Rice. 1,867,892; July 19.
Purine bases, Recovery of. R. Müller and L. Holzer. 1,848,740; Mar. 8.
Purse, Buckle. B. H. Marcus. 1,870,820; Aug. 9.
Purse, Coin. C. L'Enfant. 1,885,736; Nov. 1.
Purse, Coin. E. L. Love. 1,843,879; Feb. 2.
Push pin. M. Panitzsch. 1,872,171; Aug. 16.
Push rod system for tuning radio circuits. D. A. Nicosia and H. Sippel. 1,850,846; Mar. 22.
Push switch. H. Hansen and A. J. Bennett. 1,883,786; Oct. 18.
Pusher device for extra long loaves. S. A. Wickman. 1,864,704; June 28.
Pusher for retort ovens. E. W. Schellentrager. 1,888,201; Nov. 15.
Putty remover and glazing table, Sash. E. A. Sprague. 1,863,508; June 14.
Puzzle. F. Goldbach. 1,880,130; Sept. 27.
Puzzle. L. T. Krause. 1,853,436; Apr. 12.
Puzzle. O. M. Westcott. 1,873,206; Aug. 9.
Puzzle, Movable block. H. W. Spaulding. 1,879,571; Sept. 27.
Puzzle, Tessellate. A. B. Phillips. 1,869,864; Aug. 2.
Pyranthrone, Substitution products of. M. A. Kunz, K. Koeberle, and E. Berthold. 1,863,987; June 21.
Pyrazole derivatives, H. Hahl. 1,879,219; Sept. 27.
Pyrazolone compounds, Manufacture of. M. Mendoza. 1,841,621; Jan. 19.
Pyrazolones and dyes therefrom, New. M. Mendoza. 1,841,623; Jan. 19.
Pyridine and its homologues, Sulphonating. O. Wulff. 1,880,646; Oct. 4.
Pyridine derivatives and producing them. E. Koenigs and H. Greiner. 1,879,324; Sept. 27.
Pyrites containing copper and zinc, Working up roasted. C. von Girsewald and H. Weidmann. 1,846,771; Feb. 23.
Pyro-metallurgical process and apparatus. C. Legrand 1,845,503; Feb. 16.
Pyrometer. A. F. Spitzglass and O. T. Handwerk. 1,890,701; Dec. 13.
Pyrometer control. A. F. Spitzglass. 1,853,469; Apr. 12.
Pyrometer tube. J. A. Jeffery and F. H. Riddle. 1,869,151; July 26.
Pyrotechnic device. K. Kohn. 1,886,407; Nov. 8.
Pyrotechnic device. G. J. Schladt. 1,847,268; Mar. 1.
Pyrotechnic display. R. C. Hitt. 1,873,201; Aug. 23.
Pyroxylin composition. R. Calvert. 1,848,105; Mar. 8.
Pyroxylin enamel. F. C. Hoffman. 1,846,869; Feb. 23.
Pyroxylin, Forming sheet. G. J. Esselen, jr. 1,851,244; Mar. 29.
Quack grass machine. G. Lundquist. 1,841,659; Jan. 19.
Quality grading. F. H. Chapman. 1,855,988; Nov. 1.
Quantity regulation, Multiple. G. K. O'Connor. 1,877,576; Sept. 13.
Quartz, Marking. S. Boyer. 1,862,366; June 7.
Quartz oscillator for controlling transmitter valves and oscillation generators. H. Eberhard. 1,839,208; Jan. 5.
Quenching station and operating the same. J. Becker. 1,848,818; Mar. 8.
Quenching system. T. W. Murphy and W. Czarnecki. 1,848,645; Mar. 8.
Quick acting clamp. N. A. Draim. 1,886,874; Nov. 8.
Quick acting mechanism. S. C. Winger. 1,872,205; Aug. 16.
Quick acting switch. G. B. Wadsworth. 1,853,752; Apr. 12.
Quicklime and sulphur dioxide, Production of. A. Fleck. 1,845,744; Feb. 16.
Quick-releasable key. F. Amrhein. 1,852,950; Apr. 5.
Quill-like structure in the form of a rigid, waterproof, and if desired, transparent tube. F. K. Wickel. 1,888,898; Nov. 22.
Quills, Making. S. G. Malby. 1,877,342; Sept. 13.
Quilt or similar article, Bed. P. B. Howard. Des. 88,297; Nov. 15.
Quinine preparation. L. Pink. 1,865,953; July 5.
Quinoline derivatives and producing the same. F. Schönhöfer. 1,879,538; Sept. 27.
Quinone, Purification of. A. Zimmerli and R. C. Lyon. 1,883,284; Oct. 18.
Quotation board or the like apparatus. R. L. Daine and R. Guye. 1,872,126; Aug. 16.
Quotation board printing unit. R. Hoover and E. R. Wheeler. 1,881,585; Oct. 11.
Rabbling means. H. J. Hartley. 1,879,680; Sept. 27.
Race starting apparatus. I. Comfort and B. Clifford. 1,870,768; Aug. 9.
Racing, Aiming apparatus. H. Oeste. 1,874,794; Aug. 30.
R-acid, Purification of. B. M. Helfaer. 1,880,442; Oct. 4.
Racing apparatus. E. L. Ballew. 1,850,048; Mar. 15.
Racing apparatus. E. L. Ballew. 1,888,106; Nov. 15.
Rack: *See*—
  Aerofoil-carrying rack.
  Auto hat rack.
  Auto rack.
  Automobile rack.
  Ball rack.
  Book supporting rack.
  Bottle rack.
  Card rack.
  Casket display rack.
  Cigar display rack.
  Clothes assembling rack.
  Clothes drying rack.
  Clothes rack.
  Curtain display rack.
  Display rack.
  Display sheet rack.
  Drying rack.
  Garment display rack.
  Hay rack.
  Hose rack.
  Ice box candy rack.
  Knife and spoon pan rack.
  Knife rack.
  Luggage rack.
  Magazine rack.
  Mail carrier rack.
  Material rack.
  Meat rack.
  Oven and broiler rack.
  Pants rack.
  Plate rack.
  Pool ball rack.
  Revolving plant rack.
  Rod rack.
  Rug and mattress cleaning rack.
  Sales service rack.
  Secondary rack.
  Shoe rack.
  Stamp rack.
  Stationery rack.
  Storage rack.
  Supporting and display rack.
  Test rack.
  Tie rack.
  Towel rack.
  Trunk rack.
  Visible card rack.
  Wheel rack.
  Wrench rack.
Rack. J. R. Biddinger. 1,888,155; Nov. 15.

Rack. J. E. Bales. 1,883,827; Oct. 18.
Rack. G. M. Turner. 1,856,935; May 3.
Rack. W. J. Vance. 1,858,004; May 10.
Rack and gear jack. J. F. Murphy. 1,850,513; Mar. 22.
Rack and nozzle, Hose. H. W. Meyer. 1,844,259; Feb. 9.
Rack and pan, Combination. A. J. Reedy. 1,889,218; Nov. 29.
Rack and receptacle support, Ball. J. H. Stahl. 1,888,932; Nov. 22.
Rack attachment for pocket billiard tables. T. E. Dunn. 1,842,080; Jan. 19.
Rack attachment for pocket billiard tables. T. E. Dunn. 1,878,449; Sept. 20.
Rack connecting means, Floor. V. H. Harbert. 1,875,922; Sept. 6.
Rack device. G. H. Hirschel. 1,847,719; Mar. 1.
Rack fixture, R. R. Hart. 1,864,817; June 28.
Rack for bottles, Display. J. H. McEachern. Des. 87,438–9; July 26.
Rack for bridge tables, Card. W. C. Ward. 1,881,004; Oct. 4.
Rack for fruits, vegetables, and the like, Display. R. K. Slaymaker. 1,860,600; May 31.
Rack for gas drums. F. H. Kneeland. 1,879,937; Sept. 27.
Rack for holding clothes, shoes, jewelry, or similar articles. J. A. Grimm. Des. 87,717; Sept. 6.
Rack for holding newspapers or the like. G. F. Reinagel. Des. 88,825; Dec. 27.
Rack for placing reenforcing steel, Adjustable. C. A. McGrath. 1,843,334; Feb. 2.
Rack for pool balls, Spotting. C. H. Gunn. 1,887,552; Nov. 15.
Rack for refrigerator cars, Meat. A. E. Dentler. 1,856,472; May 3.
Rack for refrigerators, Ice. F. Ophuls and G. K. Nuss. 1,864,212; June 21.
Rack for scales, Weight. T. H. Strachan and W. H. Fryer. 1,879,585; Sept. 27.
Rack for truck beds, Extension. R. Byrne. 1,864,637; June 28.
Rack for typewriters, Advertising. A. J. Johnson and C. B. Grace. 1,879,284; Sept. 27.
Rack holding means, Floor. M. S. Johnson. 1,842,177; Jan. 19.
Rack operating mechanism, Oven. E. C. Bamberg and M. Riva. 1,885,404; Nov. 1.
Rack or shelf, Display. A. R. Nelson. 1,852,471; Apr. 5.
Rack or similar article, Wall. G. B. Mendelsohn. Des. 85,951; Jan. 5.
Racket chair. L. D. Gibson. 1,876,408; Sept. 6.
Racket for games and the manufacture thereof. R. J. Nash. 1,877,018; Sept. 13.
Racket press. J. H. Smith. 1,883,030; Oct. 18.
Rackets, Tennis. R. H. Faber. 1,862,561; June 14.
Rackets, Stringing of lawn tennis and like. W. E. B. Jaffé. 1,863,059; June 14.
Radial drill. W. L. Sonnenbach. 1,861,030; May 31.
Radial forces, Device for calculating. J. Lundgren. 1,881,204; Oct. 4.
Radiant gas convection heat furnace. L. A. Mekler. 1,881,286; Oct. 4.
Radiant device, Medicinal. W. O. Prouty. Des. 87,408; July 19.
Radiant heat boiler. H. E. Kleffel. 1,884,741; Oct. 25.
Radiating element for gas heaters. F. A. Whitaker. Des. 86,151; Feb. 2.
Radiation combustion chamber. A. E. Nash and J. S. Alcorn. 1,870,640; Aug. 9.
Radiation intensity, Method and apparatus for the measurement of. O. Glaser and A. B. Seitz. 1,855,699; Apr. 26.
Radiator. F. H. Austen. 1,888,900; Nov. 22.
Radiator. E. H. Bellas. 1,862,735; June 14.
Radiator. I. T. Bennett. 1,845,073; Feb. 16.
Radiator. I. T. Bennett and F. C. Reynolds. 1,865,427; July 5.
Radiator. C. W. Brabbée. 1,876,601; Sept. 13.
Radiator. O. Carlson. 1,847,594; Mar. 1.
Radiator. E. Dietrich. 1,860,573; May 31.
Radiator. F. L. Foster. 1,845,595; Feb. 16.
Radiator. W. M. Frame. 1,847,176; Mar. 1.
Radiator. V. Frost. 1,865,511; July 5.
Radiator. J. W. Guimont. 1,880,248; Oct. 4.
Radiator. L. D. Harnett. 1,847,608; Mar. 1.
Radiator. L. D. Harnett and C. N. O'Day. 1,887,093; Nov. 8.
Radiator. J. M. Harrison. 1,862,219; June 7.
Radiator. J. A. Head. 1,848,627; Mar. 8.
Radiator. F. K. Hoffman. 1,842,095; Jan. 19.
Radiator. W. E. Kuenstler. 1,863,056; June 14.
Radiator. A. R. Kuhn. 1,852,168; Apr. 5.
Radiator. R. W. Kurtz. 1,856,107; May 3.
Radiator. E. L. Mazurette. 1,855,644; Apr. 26.
Radiator. A. M. Mertzanoff. 1,892,216; Dec. 27.
Radiator. A. B. Modine. 1,853,315; Apr. 12.
Radiator. A. B. Modine. 1,875,638; Sept. 6.
Radiator. A. B. Modine. 1,877,012; Sept. 13.
Radiator. A. B. Modine. 1,886,792; Nov. 1.
Radiator. T. E. Murray. 1,840,598; Jan. 12.
Radiator. T. E. Murray. 1,850,287; Mar. 22.
Radiator. T. E. Murray, jr. 1,845,435; Feb. 16.
Radiator. T. E. Murray, jr. 1,861,447–9; June 7.
Radiator. T. E. Murray. 1,885,536; Nov. 1.
Radiator. R. H. Nelson. 1,882,085; Oct. 11.
Radiator. A. E. Northup. Des. 86,931; May 10.
Radiator. T. A. Novotney. 1,850,601; Mar. 22.
Radiator. G. H. Phelps. 1,841,379; Jan. 19.
Radiator. G. H. Phelps. 1,880,274; Oct. 4.
Radiator. G. H. Phelps and I. T. Bennett. 1,841,380; Jan. 19.
Radiator. F. C. Reynolds. 1,865,962; July 5.
Radiator. C. J. Schiafman. 1,865,794; July 5.
Radiator. O. L. Seward. 1,873,052; Aug. 23.
Radiator. H. A. Shaw. Des. 86,279–L; Feb. 16.
Radiator. H. N. Shaw. 1,890,625; Dec. 13.
Radiator. R. N. Trane. 1,842,218; Jan. 19.
Radiator. R. N. Trane. 1,865,661; June 28.
Radiator. A. G. Wahlberg. 1,875,681; Sept. 6.
Radiator. A. C. Walworth. 1,869,637; Aug. 2.
Radiator. P. Winsborough. Des. 86,551; Mar. 15.
Radiator and air valve therefor. M. Stadelhofer. 1,845,634; Feb. 16.
Radiator and engine jacket clean-out device. H. H. Anker and C. W. Stevens. 1,887,985; Nov. 15.
Radiator and fender for vehicles, Combined. J. R. Hughes. Des. 88,792; Dec. 27.
Radiator and humidifier, Combined. F. W. Hvoslef. Des. 86,605; Mar. 29.
Radiator and making the same. G. H. Phelps. 1,872,044; Aug. 16.
Radiator and making the same, Sound. E. H. Smythe. 1,863,072; June 14.
Radiator and the like, Finned-tube. C. J. Stuart. 1,886,066; Nov. 1.
Radiator and the like. T. E. Murray. 1,890,620; Dec. 13.
Radiator apparatus, Control mechanism for. J. Mendola. 1,854,555; Apr. 19.
Radiator attachment. G. W. Blackmore. 1,867,303; July 12.
Radiator bracket. J. B. Robinson. 1,878,645; Sept. 20.
Radiator bracket, Adjustable. W. G. Madison. 1,867,854; July 19.
Radiator cap. A. G. Geistert and A. J. Altz. 1,863,009; June 14.
Radiator cap. H. S. Golden. 1,845,409; Feb. 16.
Radiator cap. H. V. Henderson. Des. 86,370; Mar. 1.
Radiator cap. H. V. Henderson. Des. 87,468; Aug. 2.
Radiator cap. W. R. Minyard. Des. 87,231; June 21.
Radiator cleaner. L. J. Trowbridge. 1,865,289; June 28.
Radiator construction. J. D. Erskine. 1,840,313; Jan. 12.
Radiator construction. J. Karmazin. 1,870,012; Aug. 2.
Radiator construction. O. C. Palmer. 1,863,026; June 14.
Radiator construction. E. L. Watson. 1,844,452; Feb. 9.
Radiator construction. F. M. Young. 1,853,487; Apr. 12.
Radiator core. G. H. Horvath. 1,840,318; Jan. 12.
Radiator core for automobile cooling systems. W. W. Muir. 1,848,375; Mar. 8.
Radiator core for automobile cooling systems. W. W. Muir. 1,850,211; Mar. 22.
Radiator core for automobile cooling systems. W. W. Muir. 1,884,743; June 28.
Radiator core for automobile cooling systems. W. W. Muir. 1,878,511; Sept. 20.
Radiator cores, Apparatus for forming. A. B. Medville. 1,849,944; Mar. 15.
Radiator corner construction. A. F. Ihde. 1,869,338; July 26.
Radiator cores, Making. J. D. Petersen. 1,872,494; Aug. 16.
Radiator crank box. A. F. Ihde. 1,877,325; Sept. 13.
Radiator, Cross flow. P. P. Henshall. 1,889,895; Dec. 6.
Radiator dust guard. F. DeRienzo and R. Muzzipapa. 1,869,548; Aug. 2.
Radiator, Electric. P. B. Visconti. Des. 86,186; Feb. 9.
Radiator, Electric steam. H. C. Pennington. 1,866,221; July 5.
Radiator, Electrically steam heated. W. B. Dunn. 1,854,332; Apr. 19.
Radiator elements, Method of and machine for forming. G. Horvath. 1,840,317; Jan. 12.
Radiator enclosure. E. W. Gilbeol. 1,851,386; Mar. 29.
Radiator, Expanded tube. P. P. Henshall and W. Ewald. 1,874,009; Aug. 30.
Radiator fin. A. B. Modine. 1,887,036; Nov. 8.
Radiator for automobiles, Antifreeze. W. H. Colller. 1,863,437; June 14.
Radiator for motor vehicles. F. C. Ruppel. 1,862,769; June 14.
Radiator, Furnace. O. P. Nystrom and G. Jaarda. 1,869,709; Aug. 2.
Radiator guard, bumper support and tow hook for trucks, Combined. L. P. Ross. 1,866,265; July 5.
Radiator hanger. R. H. Crosby. 1,883,591; Oct. 18.
Radiator hanger. F. J. Douglass. 1,848,415; Mar. 8.
Radiator hanger. J. T. Evans. 1,886,350; Nov. 1.
Radiator hanger. D. L. Healy and D. C. Rufe. 2d. 1,852,841; Apr. 5.
Radiator hanger. F. W. Hvoslef. 1,854,698; Apr. 19.
Radiator hanger. F. W. C. Ruff. 2d. 1,878,187; Sept. 20.
Radiator hanger. D. C. Rug. 1,879,519; Sept. 27.
Radiator header and tube connection. G. H. Anderson. 1,847,742; Mar. 1.
Radiator, Heat. H. C. Alberts. 1,863,554; June 21.

Radiator, Heat. N. T. Branche. 1,868,446; July 19.
Radiator, Heating. A. Abbotts. 1,890,665; Dec. 13.
Radiator hood. A. H. Levene. 1,852,425; Apr. 5.
Radiator hood. E. E. Schleicher and W. C. Calcott. 1,889,220; Nov. 29.
Radiator, hood, and fenders for vehicles, Combined. J. R. Hughes. Des. 87,392; July 19.
Radiator, hood, and fenders for vehicles, Combined. J. R. Hughes. Des. 88,151; Nov. 1.
Radiator, Humidifying. A. U. Jones. 1,876,142; Sept. 6.
Radiator, Humidifying. A. U. Jones. 1,886,192; Nov. 1.
Radiator inclosure. T. E. Murray, jr., and F. C. Reynolds. 1,885,537; Nov. 1.
Radiator inclosure. F. C. Reynolds. 1,880,281; Oct. 4.
Radiator manufacture. E. S. Carey. 1,880,786; Oct. 4.
Radiator or similar article. E. Prondecke. Des. 86,503; Mar. 18.
Radiator return trap. A. P. Crosby. 1,885,993; Nov. 1.
Radiator, Rotary. C. Hlavaty. 1,858,226; May 10.
Radiator screen. J. Pucunas. Des. 86,559; Apr. 26.
Radiator, Sheet metal. R. Castiaux. 1,863,555; June 21.
Radiator shell. W. H. A. Gubitz. Des. 86,715; Apr. 12.
Radiator shell. H. V. Henderson. Des. 86,960; May 17.
Radiator shell and deflector, Combined. B. Kirsch. Des. 87,665; Aug. 30.
Radiator shell and deflector, Combined. H. S. Pardee and B. Kirsch. Des. 86,971; May 17.
Radiator shell and mud-guard, Combined. G. E. Ireland. 1,882,839; Oct. 11.
Radiator shell construction. H. J. Blair. 1,840,881; Jan. 12.
Radiator shells. Manufacturing. H. G. Kellogg. 1,865,570; July 5.
Radiator shutter. F. Goldfisher. 1,871,685; Aug. 16.
Radiator shutter control. W. A. Edwards. 1,846,191; Feb. 23.
Radiator shutter control, Thermostatic. J. H. Edwards. 1,871,671; Aug. 16.
Radiator shutter controlling device. W. A. Edwards. 1,855,476; Apr. 26.
Radiator shutter unit. E. G. Petersen. 1,876,017; Sept. 6.
Radiator shutter units. E. G. Petersen. 1,871,914; Aug. 16.
Radiator shutter operator. D. Schon. 1,889,703; Nov. 29.
Radiator, Spring. B. B. Hawley. 1,872,081; Aug. 16.
Radiator, Steam. G. C. McIntosh. 1,852,252; Apr. 5.
Radiator structure. J. A. White. 1,874,400; Aug. 30.
Radiator tube. W. Blair. 1,869,783; May 10.
Radiator supporting hanger. C. L. Lyon. 1,887,031; Nov. 8.
Radiator trap, Steam. C. R. Watts. 1,868,510; July 26.
Radiator units, Producing. A. C. Recker and M. B. Nichols. 1,865,444; July 5.
Radiator valve controlled. P. P. Henshall. 1,851,765; Mar. 29.
Radiator, Wall. H. S. Meldahl. 1,839,986; Jan. 5.
Radiator, Water. C. Bohlin. 1,869,395; Nov. 1.
Radiator, Wall. A. B. Modine. 1,856,925; May 3.
Radiator with means of expansion on radiators, Double means of. L. D. Harnett. 1,879,802; Sept. 27.
Radiators and like structures, Making welded joints of. G. H. Phelps. 1,854,909; Apr. 19.
Radiators, Making. G. H. Phelps. 1,845,328; Feb. 16.
Radiators, Manufacture of. T. E. Murray, jr. 1,886,830; Nov. 8.
Radiators, Production of. T. E. Murray, jr. 1,886,715; Nov. 8.
Radio. O. T. Francis. 1,863,568; June 21.
Radio. O. T. Francis. 1,886,386; Nov. 8.
Radioactive means for activating water in bottles. G. Senftner. 1,839,270; Jan. 5.
Radio aerial. E. S. Brown. 1,860,652; May 31.
Radio aerial system. C. Tuft. 1,877,467; Aug. 16.
Radio and convertible cabinet system, Combination. L. Sommer. 1,884,325; Oct. 25.
Radio and phonograph reproduction, Method and apparatus for coordinating. R. A. Fessenden. 1,863,841; June 21.
Radio antenna. H. G. Bartsch. 1,883,476; Oct. 18.
Radio antenna. D. C. and A. F. Senter. 1,876,318; Sept. 6.
Radio antenna appliance. C. M. Scott. 1,869,024; July 26.
Radio antenna, Collapsible. J. Gomery. 1,852,925; Apr. 5.
Radio antenna device. J. A. Clark. 1,879,978; Sept. 27.
Radio antenna system. J. Anderson. 1,849,651; Mar. 15.
Radio apparatus. D. F. Asbury. 1,875,827; Sept. 13.
Radio apparatus. D. F. Asbury. 1,890,768; Dec. 13.
Radio apparatus. W. E. Bruce. 1,877,551; Sept. 13.
Radio apparatus. W. L. Carlson. 1,871,405; Aug. 9.
Radio apparatus. W. C. Crimmins. 1,839,867; Jan. 5.
Radio apparatus. J. E. Gardner. 1,852,878; Apr. 5.
Radio apparatus. F. S. Gilbert and A. L. Fletcher. 1,876,287; Sept. 6.
Radio apparatus. R. H. Hamman. 1,855,517; Apr. 26.
Radio apparatus. P. S. Haselton. 1,885,913; Nov. 1.
Radio apparatus. R. L. Maurer. 1,863,909; June 21.
Radio apparatus. W. Parker. 1,885,758; Nov. 1.
Radio apparatus. W. Schelbel. 1,844,441; Feb. 9.
Radio apparatus for aircraft. Universally adjustable. G. W. Pickard. 1,889,568; Nov. 29.
Radio apparatus for intercommunication or duplex operation. K. Heffner. 1,874,393; Aug. 30.
Radio beacon system. M. Wallace. 1,878,737; Sept. 20.
Radio broadcast distribution. E. E. Clement. 1,851,495; Mar. 29.
Radiocabinet. A. T. Carney. Des. 88,704; Dec. 20.
Radiocabinet. E. L. Combs. Des. 86,440; Mar. 8.
Radiocabinet. E. L. Combs. Des. 87,760; Sept. 13.
Radiocabinet. J. L. Embree. Des. 88,146; Nov. 1.
Radiocabinet. L. H. Eubank. Des. 87,715; Sept. 6.
Radiocabinet. C. F. Grasser. Des. 86,714; Apr. 12.
Radiocabinet. L. H. Morin. 1,860,940; May 31.
Radio cabinet. D. J. Phelps. Des. 86,933; May 10.
Radio cabinet. O. P. Spitzer. Des. 86,417; Mar. 1.
Radiocabinet. J. Streng. Des. 85,998; Jan. 12.
Radiocabinet. J. Streng. Des. 86,647; Mar. 29.
Radiocabinet. J. Tillotson, jr., and J. Streng. Des. 86,340; Feb. 23.
Radiocabinet. J. Tillotson, jr., and J. Streng. Des. 86,471; Mar. 1.
Radiocabinet or the like. E. Worthington. Des. 86,500; Mar. 8.
Radiocabinet or the like. E. Worthington. Des. 87,497–500; Aug. 2.
Radio carrier system, Suppressed wave. H. A. Brown. 1,872,398; Aug. 16.
Radio circuit. M. J. Castle. 1,867,808; July 19.
Radiocircuit. W. Kaufman. 1,850,110; Mar. 22.
Radio circuit. W. L. Krahl. 1,874,309; Aug. 30.
Radio circuit. R. S. Kruk. 1,877,825; Sept. 20.
Radio circuit. T. D. Thompson. 1,876,793; Sept. 13.
Radio circuit and apparatus. D. A. Nicosia and H. Sippel. 1,865,038; June 28.
Radio circuit and operating same. F. W. Hochstetter. 1,846,597; Feb. 23.
Radio circuit control. C. Horton. 1,851,514; Mar. 29.
Radio circuits, Stabilized. H. F. Elliott. 1,841,281; Jan. 12.
Radio clock system. C. F. McCann. 1,881,818; Oct. 11.
Radio coil cores, Apparatus for threading. F. Brustle. 1,886,838; July 12.
Radio communication. H. Chireix. 1,882,119; Oct. 11.
Radiocommunication, Process and apparatus for undisturbed. J. Plebański. 1,858,936; May 17.
Radio communication system. E. G. Ports. 1,844,973; Feb. 16.
Radio communication system. M. de Saivre. 1,856,376; May 3.
Radio communication, System for reducing fading effects in. L. C. Young. 1,863,518; June 14.
Radio communications, Reduction of fading effects in. A. H. Taylor and L. C. Young. 1,882,166; Oct. 11.
Radio compass. H. W. Lamson. 1,883,802; Oct. 18.
Radio condenser. R. C. Sordillo. 1,840,215; Jan. 5.
Radio condenser tuning control. C. E. Mulgour. 1,891,283; Dec. 20.
Radiocontrol. A. A. Woods. 1,872,380; Aug. 16.
Radio control device. A. Meyer. 1,865,537; July 5.
Radio control device. E. G. Peterson. Des. 88,105; Oct. 25.
Radio control system. W. E. Brindley. 1,870,832; Aug. 9.
Radio coupling system. H. A. Wheeler. 1,868,155; July 19.
Radio dial construction. H. R. Hayden. 1,882,584; Oct. 11.
Radio direction finder. G. G. Kruesi. 1,868,945; July 26.
Radio direction indicator. J. M. Howe. 1,849,927; Mar. 15.
Radio distance or location finder. W. S. Johnston. 1,890,786; Dec. 13.
Radiodynamic orientation means and method. W. S. Eaton. 1,842,342; Jan. 19.
Radio energy, System of vending. L. W. Luellen. 1,846,302; Feb. 16.
Radio filter apparatus. A. H. Hotopp, jr. 1,863,050; June 14.
Radio finder. G. C. Passek. 1,849,879; Mar. 15.
Radio frequency amplification system. E. W. Fearing. 1,882,128; Oct. 11.
Radiofrequency amplifier. O. O. Ceccarini. 1,840,350; Jan. 12.
Radio frequency amplifying system. W. K. McIver. 1,851,707; June 1.
Radiofrequency apparatus, Cooled. W. Moser. 1,857,029; May 3.
Radio frequency receiver, Tuned. W. Van B. Roberts. 1,888,514; Nov. 22.
Radio frequency system, Polyphase. W. R. G. Baker. 1,848,866; Mar. 8.
Radio frequency transformer and condenser unit, Shielded. E. D. Koepping. 1,878,636; Sept. 20.
Radio grid leak. F. O. Paschall. 1,891,053; Dec. 13.
Radio inductance switch. A. Brosnatch. 1,843,800; Feb. 2.
Radio lead and lightning arrester. B. H. Woodruff. 1,850,166; Sept. 27.
Radio lead or aerial. J. C. Sampson. 1,855,155; Apr. 19.
Radio log. O. J. G. Metze. 1,845,550; Feb. 16.
Radio loud speaker. C. H. Duffy. 1,845,585–6; Feb. 16.
Radio loud speaker and lamp. O. M. Rau. 1,844,680; Feb. 9.
Radio oscillation system. F. L. Lord. 1,884,011; Oct. 25.
Radio pad. M. J. H. Vredenburgh. Des. 87,734; Sept. 6.
Radio period selecting device. E. Brugger. 1,854,643; Apr. 19.
Radio-phonograph switch, Automatic. L. J. Leishman. 1,852,424; Apr. 5.

Radio phonographic apparatus. C. D. Ehret. 1,840,772; Jan. 12.
Radio power installation. S. L. Le Hache and F. B. Monar. 1,856,568; May 3.
Radio power supply apparatus. E. Zepler. 1,855,375; Apr. 26.
Radio program exhibitor. S. H. Hall. 1,863,789; June 21.
Radioreceiver. G. Anders. 1,861,203; May 31.
Radioreceiver. E. W. Davidson. 1,861,739; June 7.
Radioreceiver. B. J. Grigsby. 1,860,348; May 31.
Radioreceiver. W. F. Hoisington. 1,867,153; July 12.
Radioreceiver. H. E. Osmun, H. W. Rubinstein, and E. R. Scott. 1,865,271; June 28.
Radioreceiver. W. Van B. Roberts. 1,853,178; Apr. 12.
Radioreceiver. E. H. Selvig. 1,850,811; Mar. 22.
Radioreceiver. A. Senauke. 1,839,419; Jan. 5.
Radioreceiver. T. C. Van Trabert. 1,849,967; Mar. 15.
Radio receiver and clock, Combined. P. J. O'Donnell. Des. 87,049; July 19.
Radioreceiver and phonograph, Combination. J. L. Cassell. 1,860,078; May 24.
Radio receiving apparatus. A. P. Hinsky. 1,891,092; Dec. 13.
Radio receiving apparatus, Locally controlled. C. P. Hollister. Re18,689; Dec. 6.
Radioreceiver control. W. H. Grimditch and D. P. Earnshaw. 1,866,462; July 5.
Radioreceiver control. B. Washington and W. Aull, jr. 1,881,392; Oct. 4.
Radioreceiver electrical phonograph and public address system, Combined. H. C. Malbohm. 1,868,613; July 26.
Radio receiver, Local distant. R. A. Braden. 1,874,234; Aug. 30.
Radioreceiver, Selective. H. F. Elliott. 1,850,831; Mar. 22.
Radioreceivers, System of and apparatus for testing. C. A. Lowry. 1,875,624; Sept. 6.
Radio receiving and reproduction system. M. B. Benson. 1,840,013; Jan. 5.
Radio-receiving apparatus. H. J. J. M. de R. de Bellescize. 1,867,139; July 12.
Radio receiving apparatus. B. P. Hamilton and W. T. Rea. 1,856,213; May 3.
Radio receiving apparatus. J. K. Johnson. 1,883,794; Oct. 18.
Radio receiving apparatus. E. L. Powell. 1,875,140; Aug. 30.
Radio receiving apparatus. T. J. Scofield and W. Miner. 1,878,190; Sept. 20.
Radio receiving apparatus. S. Tarzian. 1,867,037; July 12.
Radio receiving apparatus. H. A. Wheeler. 1,875,837; Sept. 6.
Radio receiving cabinet, wardrobe, and chiffonier, Combined. E. Rixter. Des. 86,271; Feb. 16.
Radio receiving circuit. H. T. Friis. 1,844,953; Feb. 16.
Radio receiving device. E. F. Andrews. Re18,325; Jan. 12.
Radio receiving set. A. L. C. Ringel. 1,890,408; Dec. 6.
Radio receiving system. M. C. Batsel. 1,865,426; July 5.
Radio receiving system. S. Cohen. 1,883,580; Oct. 18.
Radio receiving system. A. B. Cole. 1,889,172; Nov. 29.
Radio receiving system. H. F. Elliott. 1,867,214; July 12.
Radio receiving system. G. R. Fisher. 1,855,184; Apr. 26.
Radio receiving system. V. M. Graham. 1,851,387; Mar. 29.
Radio receiving system. L. A. Hazeltine. 1,869,804; Aug. 2.
Radio receiving system. R. A. Heising and J. F. Farrington. 1,847,089; Mar. 1.
Radio receiving system. A. H. Hotopp, jr. 1,874,295; Aug. 30.
Radio receiving system. F. A. Kolster. 1,843,565; Feb. 2.
Radio receiving system. L. Levy. 1,888,536; Nov. 22.
Radio receiving system. V. C. MacNabb. 1,890,426; Dec. 6.
Radio receiving system. B. F. Miessner. 1,842,977; Jan. 26.
Radio receiving system. J. M. Miller. 1,872,487; Aug. 16.
Radio receiving system. J. M. Miller. 1,886,571; Nov. 8.
Radio receiving system. J. M. Miller. 1,888,430; Nov. 22.
Radio receiving system. H. E. Overacker. 1,873,017; Aug. 23.
Radio receiving system. W. T. Powell. Re18,637; Oct. 25.
Radio receiving system. C. R. Rowe. 1,886,230; Nov. 1.
Radio receiving system. F. Schröter. 1,850,569; Mar. 22.
Radio receiving system. S. S. Sonneborn and H. G. Richter. 1,849,177; Feb. 2.
Radio receiving system. H. D. Staley. 1,881,032; Oct. 4.
Radio receiving system. P. G. Weiller. 1,866,916; July 12.
Radio receiving system. S. Y. White. 1,854,915; Apr. 19.
Radio receiving system for aircraft. F. H. Drake, L. M. Hull, and W. D. Loughlin. 1,874,935; Aug. 30.
Radioreception. W. Aull, jr. 1,881,395; Oct. 4.
Radio reception apparatus. O. T. McIlvaine. 1,851,440; Mar. 29.
Radio reception system. C. W. Hough. 1,861,183; May 31.
Radio relay system. F. Conrad. 1,877,815; Sept. 20.
Radio set, Alternating current operated. A. Nyman. 1,850,270; Mar. 22.
Radio sets, Indicating device for. R. H. Langley. 1,860,673; May 31.
Radio sets, Selective control mechanism for. H. R. Miller. 1,863,981; June 21.
Radio signal apparatus and method. T. E. Brockstedt. 1,865,826; July 5.
Radio signaling. W. R. Blair and L. Cohen. 1,884,536–7; Oct. 25.
Radio signaling. L. Cohen. 1,854,448; Apr. 19.
Radio signalling. L. Cohen. 1,857,359; May 10.
Radio signalling. L. Cohen. 1,872,246; Aug. 16.
Radio signaling. L. Cohen. 1,882,064; Oct. 11.
Radio signaling. M. A. Giblin. 1,842,937; Jan. 26.
Radio signaling system. F. H. Kroger. 1,875,021; Aug. 30.
Radio signaling system. P. C. Riechlardi. 1,889,292; Nov. 29.
Radio signaling system, Two-way. L. L. Smith. 1,864,498; June 21.
Radio signals and apparatus therefor, Receiving. W. van B. Roberts. 1,871,740; Aug. 16.
Radio sound box. A. E. Tauscher. Des. 86,867–9; Apr. 26.
Radio sound box. A. E. Tauscher. Des. 86,941; May 10.
Radio station. V. E. Trouant. 1,861,462; June 7.
Radio station finder. A. J. Vassell. 1,846,289; Feb. 23.
Radio station selector, Combined mechanical and electrical. V. M. Graham. 1,873,879; Aug. 23.
Radio-surgical apparatus. N. H. Lowry. 1,841,968; Jan. 19.
Radio system. B. Hughes. 1,880,320; Oct. 4.
Radio system. T. P. Littlepage, jr. 1,888,177; Nov. 15.
Radio system and method. G. G. Kruesi. 1,876,634; Sept. 13.
Radio system, Centralized. C. C. Shumard. 1,853,181; Apr. 12.
Radio system of communication. J. H. Hammond, jr. 1,851,174; Mar. 29.
Radio table or similar article. W. K. Kleaver. Des. 87,926; Oct. 11.
Radio telegraph system. E. E. Kleinschmidt. 1,842,721; Jan. 26.
Radio telephone and telegraph circuits. J. Herman, E. R. Taylor, and S. B. Wright. 1,843,228; Feb. 2.
Radio telephone and telegraph system. A. Bailey. 1,843,189; Feb. 2.
Radio telephone and telegraph system. J. Herman. 1,843,227; Feb. 2.
Radio telephone system. C. N. Anderson, E. R. Taylor, and S. B. Wright. 1,891,299; Dec. 20.
Radio telephone system. F. F. Merriam. 1,857,819; May 10.
Radio telephonograph. J. B. Browning. 1,865,395; June 28.
Radio telephony receiving apparatus. E. D. Tillyer. 1,840,064; Jan. 5.
Radio time-setting control. L. G. Brown. 1,839,947; Jan. 5.
Radio toggle switch. R. H. Bentley. 1,887,573; Nov. 15.
Radio toning device. W. C. Hill. 1,868,357; July 19.
Radio transformer. L. F. Croft and G. K. Barger. 1,865,840; July 5.
Radio transformer. H. J. Round. 1,869,914; Aug. 2.
Radio transmission system. G. D. Gillett. 1,881,483; Oct. 11.
Radio transmission, System of multiple. W. Hahnemann. 1,877,868; Sept. 20.
Radio transmission system, Secret wired. J. L. Cassell. 1,870,490; Aug. 9.
Radio transmitter. L. A. Gebhard. 1,862,928; June 14.
Radio transmitter. L. A. Gebhard. 1,870,678; Aug. 9.
Radio transmitter. A. D. Hodgson. 1,868,358; July 19.
Radio transmitter. H. Hyland. 1,877,132; Sept. 13.
Radio transmitting system. R. L. Davis. 1,849,865; Mar. 15.
Radio transmitting system. H. Romander. 1,873,043; Aug. 23.
Radiotransmitting system. V. E. Trouant. 1,872,364; Aug. 16.
Radio tube tester. J. R. Williams. Des. 88,220; Nov. 1.
Radio tuning apparatus. L. F. Curtis and F. S. Coe. 1,877,229; Sept. 13.
Radio tuning dial for. J. J. Warren. 1,846,411; Feb. 23.
Radio tuning mechanism. G. R. Fremont. Re18,640; Nov. 1.
Radio valves employing gallium. P. Creusé. 1,866,195; July 5.
Radio volume control. H. A. Wheeler. 1,866,687; July 12.
Radio wave signals, Apparatus for the filtration of. R. H. Stevens. 1,885,959; Nov. 1.
Radio waves, Producing. E. Hatt. 1,844,319; Feb. 9.
Radium emanator. J. W. O'Neill. 1,853,282; Apr. 12.
Radium filter emanator. J. C. Wichmann. 1,859,904; May 24.
Raft. Diving. R. Buck. 1,886,522; Nov. 8.
Rafter for green-houses, etc. P. E. George. 1,869,246; July 26.
Rafts, Log. B. E. Roberson. 1,883,824; Oct. 18.
Rail. R. Faries and C. D. Young. 1,862,669; June 14.
Rail and assembling the same. R. Faries and C. D. Young. 1,856,011; May 3.

Rail and flange lubricator. M. W. Roe. 1,846,758; Feb. 23.
Rail and renewing sane, Renewed switch point. R. B. Alfonte. 1,876,482; Sept. 6.
Rail and support for the same. C. D. Young and A. B. Clark. 1,860,332; May 24.
Rail and the like, Continuous process and apparatus for rolling scrap. G. W. Conners. 1,843,335; Oct. 18.
Rail and tie plate assembly. V. C. Armstrong. 1,839,725; Jan. 5.
Rail bender. H. E. Williams. 1,868,556; July 26.
Rail bender, Hydraulic. M. H. Tomlin. 1,844,724; Feb. 9.
Rail bond. C. A. Baldwin. 1,843,501; Feb. 2.
Rail bond. W. C. Bovard. 1,859,915; Mar. 22.
Rail bond. H. J. Hansen. 1,873,400; Aug. 23.
Rail bond. A. M. Nardi. 1,865,717; July 5.
Rail bond. L. C. Perl. 1,865,718; July 5.
Rail bond. P. P. Pipes. 1,860,786–7; May 31.
Rail bond. P. P. Pipes. 1,865,722; July 5.
Rail bond. P. P. Pipes. 1,865,723; July 5.
Rail bond and method of bonding. P. P. Pipes. 1,865,721; July 5.
Rail bonding. C. A. Cadwell. 1,852,694; Apr. 5.
Rail bonding. W. A. White. 1,872,022; Aug. 16.
Rail brace. A. H. Told. 1,860,064; May 24.
Rail brace, Adjustable. A. H. Told. 1,872,848; Aug. 23.
Rail brace. K. B. Wenzel. 1,867,434; July 12.
Rail car wheel, Resilient. C. H. Gunn. 1,888,499; Nov. 22.
Rail clamp. E. F. Begtrup. 1,878,809; Sept. 20.
Rail cleaner. J. F. Mullen, jr. 1,876,728; Sept. 13.
Rail cleaning and greasing apparatus. G. B. Isabella. 1,862,706; Nov. 1.
Rail clip. J. P. Northey and R. V. Northey. 1,864,665; June 28.
Rail connection. N. A. Eddy. 1,880,423; Oct. 4.
Rail contactor, Track. J. W. Livingston. 1,877,184; Sept. 13.
Rail, Escalator hand. H. W. Shonnard. 1,868,771; July 26.
Rail fastening. B. P. Andrelanov. 1,886,265; Nov. 1.
Rail fitting, Adjustable. S. J. Gulesian. 1,864,534; June 28.
Rail flaw detector. H. C. Drake. 1,870,796; Aug. 9.
Rail flaw detector. G. L. Jones. 1,876,111; Aug. 9.
Rail for metal heating furnaces, Roller. H. H. Harris and G. U. M. Needham. 1,881,184; Oct. 4.
Rail for typesetting machine, Spaceband. E. C. Jones. 1,884,977; Oct. 25.
Rail frog. F. M. Volk. 1,849,257; Mar. 15.
Rail gauge, Railway. L. Trivillian. 1,840,442; Mar. 15.
Rail grinder. W. H. Cleveland. 1,839,201; Jan. 5.
Rail grinding machine. C. P. Hopley. 1,843,722; Feb. 2.
Rail, Guard. W. F. Aid. 1,873,915; Aug. 23.
Rail, Guard. C. Wilson. 1,863,701; June 21.
Rail, Highway guard. W. W. Russell. 1,890,751; Dec. 13.
Rail joint. J. Brunner. 1,859,729; May 24.
Rail joint. E. W. Caruthers. 1,882,406; Oct. 11.
Rail joint. R. Faries. 1,843,448; Feb. 2.
Rail joint. J. F. E. Forest and A. F. Jonisse. 1,869,138; July 26.
Rail joint. R. E. Frickey. 1,871,977; Aug. 16.
Rail joint. G. Graham. 1,866,159; July 5.
Rail joint. J. Lemire. 1,860,105; May 24.
Rail joint. M. Loche. 1,848,787; Mar. 8.
Rail joint. A. W. McClary. Re18,387; Mar. 15.
Rail joint. J. A. McGrew. 1,863,275–6; June 14.
Rail joint. K. Nast. 1,887,063; Nov. 8.
Rail joint. F. L. Re Qua. 1,868,992; July 26.
Rail joint. S. A. Sprinkle. 1,859,472; May 24.
Rail joint. B. Schellin. 1,859,410; May 24.
Rail joint. S. A. Sprinkle. 1,859,900; Mar. 22.
Rail joint. S. A. Sprinkle. 1,870,007; May 3.
Rail joint. G. W. Wagner. 1,883,175; Oct. 18.
Rail joint. C. Wearmouth. 1,839,360; Jan. 5.
Rail joint. C. Wearmouth. 1,845,898; Feb. 16.
Rail joint. C. D. Young. 1,873,097; Aug. 23.
Rail joint. P. Zientek. 1,854,361; Apr. 19.
Rail joint and bar. G. Langford. 1,883,982; Oct. 25.
Rail joint bar. G. Langford. 1,842,412; Jan. 26.
Rail joint bar. G. Langford. 1,865,194; June 28.
Rail joint bar. G. Langford. 1,870,687; Dec. 13.
Rail joint bars in track, Repairing. G. Langford. 1,880,349; Oct. 4.
Rail joint bars, Reforming. C. A. Disbrow. 1,855,946; Apr. 26.
Rail joint chair. C. W. Burt. 1,859,428; May 24.
Rail joint connection. G. Yseboodt. 1,850,163; Mar. 22.
Rail joint connection. G. Yseboodt. 1,858,759; May 17.
Rail joint, Insulated. T. Laska. 1,881,708; Oct. 11.
Rail joint lubricating device. F. M. Graham. 1,889,313; Nov. 25.
Rail joint, Railway. A. Hellerman. 1,847,341; Mar. 1.
Rail joint shift device. E. F. Schermerhorn. 1,851,409; Mar. 29.
Rail locator for rail flaw detector mechanisms, Automatic. P. Cushnie. 1,874,030; Aug. 30.
Rail lubricating apparatus. R. E. Einstein. 1,874,001; Aug. 30.
Rail lubricating device. F. M. Graham and J. B. McWilliams. 1,890,605; Dec. 13.
Rail, particularly for trolley conveyer systems, Extensible. P. V. Whitney. 1,876,373; Sept. 6.
Rail, Railroad. J. A. Capelle. 1,849,021; Mar. 8.
Rail, Reinforced. P. W. Dillon. 1,850,883; Oct. 4.
Rail retaining key. R. Faries and C. D. Young. 1,831,196–7; June 14.
Rail retaining key. C. D. Young. 1,863,145–6; June 14.
Rail retaining member. R. Faries and R. H. Boyd. 1,862,521; June 14.
Rail, Road. E. T. Harrold. 1,878,846; Sept. 20.
Railroad crossing. C. P. Kimmel. 1,857,458; May 10.
Railroad crossing gate. E. I. Bateman. 1,865,297; June 28.
Railroad crossing intersection. J. R. Jones and H. E. Miller. 1,850,505; Mar. 22.
Railroad gate, Automatic. I. Bauer. 1,842,928; Jan. 26.
Railroad rails, Heating. W. M. Akin and L. Young. 1,841,692; Jan. 19.
Railroad spreader. J. C. Forbes and A. W. Banton. 1,882,134; Oct. 11.
Railroad spreader. H. W. Protzeller. 1,866,577; July 12.
Railroad spreader. H. W. Protzeller. 1,869,774; Aug. 2.
Railroad system, Electric. R. Creter. 1,862,736; June 14.
Railroad tie. J. N. Hobart. 1,861,961; June 7.
Railroad tie. V. L. Keech. 1,842,407; Jan. 26.
Railroad tie. J. MacMartin. 1,850,558; Mar. 22.
Railroad tie plate. R. Faries. 1,862,520; June 14.
Railroad track switch. B. Martini. 1,885,366; Nov. 1.
Railroads, Interlocking system for. A. Langdon. 1,852,421; Apr. 5.
Railroads, Interlocking system for. J. C. Lindner. 1,852,352; Apr. 5.
Railroads, Interlocking system for. S. N. Wight. 1,852,548; Apr. 5.
Rail securing means. J. S. Kurkowski. 1,888,557; Nov. 22.
Rail shoe, Third. W. Schaake and D. E. Renshw. 1,872,351; Aug. 16.
Rail slewer in combination with thrust rails. G. L. ter Voorde. 1,843,889; Feb. 2.
Rail splice and tie plate, Universal. L. Koen. 1,844,920; Feb. 9.
Rail, Switch point. G. H. Lamhorn. 1,863,489–91; June 14.
Rail turning machine. J. W. Forsythe. 1,850,542; Mar. 22.
Rail, Twin tread. J. B. Forker, jr. 1,853,342; Apr. 12.
Railway. H. W. Sanford. 1,875,506; Sept. 6.
Railway bootleg. R. Snyder. 1,887,249; Nov. 8.
Railway brake. C. C. Bolen. 1,876,223; Sept. 6.
Railway car structure. H. M. Pflager and G. Hallquist. 1,884,846; Oct. 25.
Railway car truck assembly. W. C. Klein. 1,874,761; Aug. 30.
Railway control and signaling, System of. J. Neale. 1,880,149; Sept. 27.
Railway draft appliance. E. George, jr. 1,845,046; Feb. 16.
Railway draft appliance. E. George, jr. 1,848,522; Mar. 8.
Railway draft appliance. W. J. Regan and E. George, jr. 1,882,900; Oct. 18.
Railway draft rigging. S. B. Haseltine. 1,861,629; June 7.
Railway draft rigging. J. H. Link. 1,861,636; June 7.
Railway draft rigging. H. J. Lounsbury. 1,852,533; Apr. 5.
Railway draft rigging. H. J. Lounsbury. 1,864,842; June 28.
Railway draft rigging. H. J. Lounsbury. 1,877,335; Sept. 13.
Railway draft rigging. J. F. O'Connor. 1,843,694; Feb. 2.
Railway draft rigging. J. F. O'Connor. 1,877,026; Sept. 13.
Railway draft rigging. J. F. O'Connor. 1,881,226; Oct. 4.
Railway draft rigging. E. R. Schulz. 1,871,427; Aug. 9.
Railway, Elevated electric. P. Galko. 1,860,241; May 24.
Railway mail collection, System of. L. S. Adams. 1,885,212; Nov. 1.
Railway, Marine. F. R. Dravo and V. B. Edwards. 1,860,177; May 24.
Railway points and signals by means of electrical energy, Apparatus for working. D. G. Downes. 1,842,393; Jan. 26.
Railway rolling stock and road vehicle construction. F. R. Fycol. 1,880,126; Sept. 27.
Railway side frame. C. J. W. Clasen. Re18,690; Dec. 13.
Railway signal control. W. R. Burke. 1,879,070; Sept. 27.
Railway signaling. C. W. Bell. 1,880,032; Sept. 27.
Railway signaling. P. H. Crago. 1,859,960; May 24.
Railway signaling. E. C. Sasnett. 1,855,891; Apr. 26.
Railway signaling system. J. C. Hoffman. 1,874,291; Aug. 30.
Railway signaling track diagram. W. H. B. Lavarack. 1,890,122; Dec. 6.
Railway sleeper and attachment therefor. C. R. Mayo. 1,851,638; Mar. 29.
Railway sleeper, Ferro-concrete. E. M. Prot. 1,888,287; Nov. 22.
Railway system, Electric. M. H. Loughridge. 1,857,760; May 10.

Railway system, Elevated. F. R. Sheridan, 1,864,323; June 21.
Railway tie. V. Herwig and E. Mustin. 1,862,266; June 7.
Railway track, Electric toy. F. Ottenstein. 1,868,584; July 26.
Railway truck structure. K. S. Howard and E. C. Jackson. 1,875,380; Sept. 6.
Railway underframe. W. M. Sheehan. 1,859,938; May 24.
Railway with propeller driven streamline vehicles, High speed. F. Kruckenberg and F. Heyner. 1,870,738; Aug. 9.
Rails, Apparatus for and method of spiking. J. F. Haddock. 1,886,010; Nov. 1.
Rails, Apparatus for heat treating. F. M. Graham. 1,882,417; Oct. 11.
Rails, Apparatus for lubricating railway. C. R. Miller and J. E. Mountford, jr. 1,884,079; Oct. 25.
Rails, Making. H. C. Ryding. 1,885,861; Nov. 1.
Rails, Securing means for. Max Rüping. 1,845,560; Feb. 16.
Rails with hardened heads, Apparatus for the manufacture of. H. Kurz. 1,858,860; May 17.
Rain water pipe. K. K. Sarkar. 1,846,850; Jan. 12.
Raising and traversing mechanism for suspended street lamps. F. Krohn. 1,885,732; Nov. 1.
Rake:—
  Adjustable rake. Self cleaning rake.
  Hay rake. Self-dumping rake.
  Lawn rake. Sweep rake.
  Rolling and loading hay rake.
Rake. L. A. Bartosz. 1,847,587; Mar. 1.
Rake. H. R. Crane. 1,866,754; July 12.
Rake. C. Dennis. 1,879,924–5; Sept. 27.
Rake. J. S. Kaposy. 1,851,047; Mar. 29.
Rake. J. E. Larson. 1,888,991; Nov. 29.
Rake. F. B. Mewmaw. 1,876,148; Sept. 6.
Rake. F. D. Rugg. 1,849,408; Mar. 15.
Rake. G. T. Tokunaga. 1,880,580; Oct. 4.
Rake. F. Van Nieuwenhuyzen. 1,872,852; Aug. 23.
Rake and loader, Tractor propelled. L. H. Larson. 1,877,770; Sept. 20.
Rake clearer, Reciprocal. E. R. Schofield and R. Kramaroff. 1,874,125; Aug. 30.
Rake attachment, Self-cleaning. C. F. Reiter. 1,871,084; Aug. 9.
Rake cleaner. M. J. Ahlgrim. 1,882,686; Oct. 18.
Rake cleaner. W. B. Paxson. 1,861,207; July 5.
Rake cleaner. W. M. Paxson. 1,887,659; Nov. 15.
Rake cleaner. J. Velkover. 1,864,264; June 21.
Rake cleaning device. A. Strahm. 1,859,179; May 17.
Rake clearer, Horse hay. F. Smith. 1,851,375; Mar. 29.
Rake or hay sweep, Buck. O. E. Carlson. 1,841,276; Jan. 12.
Raking and sweeping machine, Convertible. C. E. Boring. 1,846,507; Feb. 23.
Ram for crushing mills, Differential hydraulic. H. J. B. Scherberg. 1,845,547; Mar. 8.
Ram or pump, Hydraulic. J. W. Holladay. 1,859,394; May 24.
Ramp. W. Barclay. 1,884,513; Oct. 25.
Ramp. H. Fougner. 1,853,266; Apr. 12.
Rancidity in soaps and product, Preventing. R. E. Divine. 1,869,889; Aug. 2.
Rancidity retardant. G. W. Scharff. 1,869,439; Aug. 2.
Range. W. D. Antrim. Des. 86,506; Mar. 15.
Range. A. H. Brodbeck. Des. 85,907; Jan. 5.
Range. A. E. Fellner. Des. 86,834; Apr. 26.
Range. O. Hoffebert. 1,855,759; Apr. 26.
Range. B. B. Kahn and W. T. Bradbury. 1,843,486; Feb. 2.
Range. H. Lange. Des. 86,847; Apr. 26.
Range. H. Lange. Des. 87,296; July 19.
Range. H. Lange. Des. 88,336; Nov. 15.
Range. W. Noble. 1,881,880; Oct. 11.
Range. C. V. Roberts and W. D. Antrim. Des. 85,992; Jan. 12.
Range. A. Stockstrom. 1,891,118; Dec. 13.
Range. J. Teller and A. P. Schulz. Des. 87,032; May 24.
Range boiler coupling. L. A. Dunckley. 1,872,702; Aug. 23.
Range, Cabinet cooking. J. Teller and A. P. Schulz. Des. 86,962; Jan. 5.
Range, Concealed manifold gas. S. H. Hobson. 1,851,099; Mar. 29.
Range construction, Cooking. A. Stockstrom. 1,841,219; Jan. 12.
Range control switch. C. Aalborg. 1,844,493; Feb. 9.
Range, Electric. G. E. Atkinson. 1,860,066; May 24.
Range, Electric. A. J. Reedy. Des. 86,977; May 17.
Range finder. O. Grunberg. 1,869,417; Aug. 2.
Range finder with an invariable direction of the optical axis of the eye piece. C. Von Hofe and J. Schler. 1,869,530; Aug. 2.
Range, Flush construction. H. H. Heldbreder. 1,853,270; Apr. 12.
Range, Gas. G. W. Daniel. 1,855,102; Apr. 19.
Range, Gas. D. L. Hadley. Des. 86,926; Feb. 16.
Range, Gas. S. H. Hobson. 1,878,143; Sept. 20.
Range, Gas. R. B. Hurt. Des. 86,524; Mar. 15.
Range, Gas. R. B. Hurt. 1,854,025; Apr. 12.
Range, Gas. S. S. Jewett. 1,854,743; Apr. 19.
Range, Gas. W. E. Kirby. 1,844,768; Feb. 9.
Range, Gas. E. R. Methudy. 1,869,764; Aug. 2.
Range, Gas. H. W. Nodwell. Des. 86,136; Feb. 2.
Range, Gas. H. E. Toelle. 1,879,776; Sept. 27.
Range, Gas and electric. C. V. Roberts. Des. 85,991; Jan. 12.
Range, Gas or electric. J. Teller and A. P. Schulz. Des. 86,874; Apr. 26.
Range, Heating. L. Jackson. 1,866,109; July 5.
Range, Kitchen. L. Moore. Des. 85,985; Jan. 12.
Range of energy level, Compression and expansion of. C. Roberts. 1,875,157; Aug. 30.
Range or analogous article, Gas or electric. L. De Witt. Des. 88,506–7; Dec. 6.
Range or similar article. S. H. Hobson. Des. 86,123; Feb. 16.
Range or similar article. S. H. Hobson. Des. 86,719; Apr. 12.
Range or similar article. S. H. Hobson. Des. 88,149; Nov. 1.
Range or similar article. C. H. Hoffstetter and R. F. Hoffstetter. Des. 87,913; Sept. 20.
Range or similar article, Gas or electric cooking. J. Teller and A. P. Schulz. Des. 86,065; Jan. 19.
Range, Reversible electric. G. E. Atkinson. 1,869,649; Aug. 2.
Ranges, Thermostatic arrangement for gas. A. Stockstrom and A. H. Brodbeck. 1,841,218; Jan. 12.
Rat and mouse trap. E. Staroryrinski. 1,845,819; Feb. 16.
Rat or mouse trap. J. M. Weaver. 1,856,980; May 3.
Rat trap. F. Silva. 1,863,766; June 21.
Rat trap. J. F. Smith. 1,866,228; July 5.
Ratchet jack. F. H. Schwerin. 1,889,386; Nov. 29.
Ratchet lift. E. L. Benoit. 1,839,528; Jan. 5.
Ratchet mechanism. S. Crewe. 1,883,767; Oct. 18.
Ratchet operator for copyholders. P. C. Baughan. 1,849,971; Mar. 15.
Ratchet pinch bar. E. Hultgren and H. Mikkelson. 1,866,651; July 12.
Ratchet, Watthour meter. L. C. Blevins. 1,843,538; Feb. 2.
Ratchet wrench. H. J. Wellman. 1,860,914; May 31.
Ratchet wrench, Spanner reversible. F. S. Cameron and A. B. Jones. 1,890,213; Dec. 6.
Ratchet wrench, Reversible. J. S. Dodge. 1,883,618; Oct. 18.
Ratchet wrench, Reversible. L. A. Hummel. 1,854,513; Apr. 19.
Rating board. H. Henke. 1,860,856; May 31.
Ratio meter. S. Hausman and W. Veit. 1,857,452; May 10.
Ravioli former and cutter. G. Pieretti. 1,843,626; Feb. 2.
Ravioli machine. S. Lanzone. 1,858,507; May 17.
Ray treatment of vegetation, Apparatus for. F. W. Opp. 1,876,737; Sept. 13.
Rayon and the dyed material thus obtained, Dyeing viscose. R. Brightman. 1,870,560; Sept. 13.
Rayon manufacture. G. A. Richter. 1,839,773; Jan. 5
Rayon, Manufacture of. G. R. Lockhart. 1,865,701; July 5.
Rayon spinning machine. R. W. Nash. 1,867,023; July 12.
Razor. M. B. Behrman. Des. 87,192; June 21.
Razor. A. J. Briggs. 1,886,520; Nov. 8.
Razor. A. G. Campbell. 1,888,155; Nov. 15.
Razor. T. H. Frost. 1,864,995; June 28.
Razor, P. R. Galt. 1,882,007; Oct. 11.
Razor, H. De Haven. 1,859,555; May 24.
Razor, M. E. Jullard. Des. 88,736; Dec. 20.
Razor, J. L. Kleiman. 1,868,239; July 19.
Razor, H. R. Segal. 1,885,300; Nov. 1.
Razor, S. Segal. 1,887,105; Nov. 8.
Razor, J. C. Sherman. 1,872,250; Mar. 15.
Razor, H. Swan. 1,888,747; Nov. 22.
Razor, H. Swan. 1,888,962; Nov. 22.
Razor, H. G. Winkler. 1,865,538; Sept. 6.
Razor and blade, H. R. Segal. 1,865,971; July 5.
Razor and blade, Safety. R. E. Thompson. 1,841,223; Jan. 12.
Razor and blade sharpener and process of sharpening, Combined. H. De Haven. 1,859,554; May 24.
Razor and blade therefor, Safety. J. B. Rhodes. 1,840,056; Jan. 5.
Razor and guard, Combination. M. C. Eiseman and G. A. Bellfuss. 1,849,079; Mar. 15.
Razor and hair trimmer, Combination. N. Lewis. 1,845,160; Feb. 16.
Razor and package of blades. J. C. Sherman. 1,849,251; Mar. 15.
Razor and sharpening device, Combined safety. L. V. Aronson. 1,887,911; Nov. 15.
Razor and stropping device, Combination. A. F. Miravfuentes. 1,843,831; Feb. 2.
Razor and stropping device, Safety. A. V. Watson. 1,885,659; Nov. 1.
Razor blade. B. M. Sylvan. 1,877,149; Sept. 13.
Razor blade and holder therefor. J. T. Scully. 1,880,238; Nov. 1.
Razor blade and razor, Safety. A. F. Ford. 1,872,721; Aug. 23.
Razor blade carrier, Safety. A. D. Boulanger and F. P. Hubrich. 1,849,956; Feb. 16.
Razor blade, Safety. E. R. Hoff. 1,840,199; Jan. 5

Razor blade, Safety. J. Molkenthin, jr. 1,869,327; July 26.
Razor blade, Safety. W. C. Rogers. 1,869,912; Aug. 2.
Razor blade, Safety. R. E. Thompson. 1,859,902; Mar. 22.
Razor blade sharpener. E. C. Bryant. 1,879,065; Sept. 27.
Razor blades, Maintaining the cutting edges of safety. T. Hamilton-Adams. 1,855,006; Apr. 19.
Razor blades, Making. F. Kylberg. 1,877,758; Sept. 20.
Razor blades, Making. R. E. Thompson. 1,847,577; Mar. 1.
Razor blades, Making. J. Treiber. 1,881,334; Oct. 4.
Razor, Demountable safety. W. Deutsch. 1,878,260; Sept. 20.
Razor, Detachable safety straight. M. Priori. 1,869,504; Aug. 2.
Razor, Electrically operated. A. A. Grothe. 1,848,170; Mar. 8.
Razor head and blade, Safety. E. B. Manley. 1,863,495; June 14.
Razor honing device. M. Cink. 1,884,574; Oct. 25.
Razor, Magazine. O. V. Rodrigues. 1,871,429; Sept. 13.
Razor motor structure, Safety. A. A. Grothe. 1,846,100; Feb. 23.
Razor, Nonvacuum. O. A. Tannehill. 1,871,631; Aug. 16.
Razor, Safety. O. L. Altvater. 1,872,869; Aug. 23.
Razor, Safety. L. V. Aronson. 1,883,324; Oct. 18.
Razor, Safety. J. W. Ashworth. 1,858,260; May 17.
Razor, Safety. W. Black. 1,850,912; Mar. 22.
Razor, Safety. J. Bornemann. 1,868,379; July 19.
Razor, Safety. A. J. Cereda. 1,842,312; Jan. 19.
Razor, Safety. A. Cesana. 1,878,070; Sept. 13.
Razor, Safety. B. Christmas. 1,875,990; Sept. 6.
Razor, Safety. O. Cremer. 1,874,579; Apr. 19.
Razor, Safety. J. Cuyler. 1,878,477; Sept. 20.
Razor, Safety. F. M. Durkee. 1,845,587; Feb. 16.
Razor, Safety. C. J. Emerson. 1,858,223; May 10.
Razor, Safety. W. Felser. 1,839,303; Jan. 5.
Razor, Safety. E. W. Ericsson. 1,889,401; Nov. 29.
Razor, Safety. W. W. Flagg. 1,885,814; Nov. 1.
Razor, Safety. H. J. Gaisman. 1,844,318; Feb. 9.
Razor, Safety. H. J. Gaisman. 1,847,556; Mar. 1.
Razor, Safety. H. J. Gaisman. 1,849,919; Mar. 15.
Razor, Safety. H. J. Gaisman. 1,855,278; Apr. 26.
Razor, Safety. H. J. Gaisman. 1,856,329; May 3.
Razor, Safety. H. J. Gaisman. 1,859,083; May 17.
Razor, Safety. H. J. Gaisman. 1,872,717; July 12.
Razor, Safety. H. J. Gaisman. 1,876,906; Sept. 13.
Razor, Safety. F. H. Green. 1,871,789; Aug. 16.
Razor, Safety. C. H. Hapgood. Re18,324; Jan. 5.
Razor, Safety. R. J. Hodgkinson. 1,890,427; Dec. 13.
Razor, Safety. G. Hofman. 1,879,900; Sept. 27.
Razor, Safety. B. G. Jansson. 1,848,078; Mar. 1.
Razor, Safety. B. G. Jansson. 1,856,587; May 3.
Razor, Safety. B. G. Jansson and C. J. Emerson. 1,849,299; Mar. 15.
Razor, Safety. A. King. 1,890,733; Dec. 13.
Razor, Safety. H. J. Lucke. 1,860,680; May 31.
Razor, Safety. D. S. Mills. 1,889,100; Nov. 29.
Razor, Safety. J. Moore. 1,875,194; Sept. 6.
Razor, Safety. N. Morisawa. 1,844,589; Feb. 9.
Razor, Safety. J. Muros. 1,847,887; Mar. 1.
Razor, Safety. J. Muros. 1,850,240; Mar. 22.
Razor, Safety. J. Muros. 1,859,106; May 17.
Razor, Safety. J. Muros. 1,882,295; Oct. 11.
Razor, Safety. J. Muros. 1,890,352; Dec. 6.
Razor, Safety. J. Muros. 1,891,627; Dec. 20.
Razor, Safety. W. I. Ohmer. 1,881,059; Oct. 4.
Razor, Safety. D. T. Rygmyr. 1,885,768; Nov. 1.
Razor, Safety. J. Rohb. 1,871,010; Aug. 9.
Razor, Safety. A. Rosenbaum. 1,875,265; Aug. 30.
Razor, Safety. E. Schodlbauer. 1,848,666; Mar. 8.
Razor, Safety. H. Schuetz. 1,844,500; Feb. 9.
Razor, Safety. H. R. Segal. 1,857,980; May 10.
Razor, Safety. T. C. Sheehan. 1,892,256; Dec. 27.
Razor, Safety. A. Sjolin. 1,881,389; Oct. 10.
Razor, Safety. T. L. Smith. 1,888,576; Nov. 22.
Razor, Safety. C. H. Stuart. 1,852,708; Apr. 5.
Razor, Safety. A. Sykes. 1,870,695; Aug. 9.
Razor, Safety. N. Testi. 1,844,702; Feb. 9.
Razor, Safety. N. Testi. 1,847,146; Mar. 1.
Razor, Safety. N. Testi. 1,847,701; Mar. 1.
Razor, Safety. N. Testi. 1,869,924; Aug. 2.
Razor, Safety. R. E. Thompson. 1,855,263; Apr. 26.
Razor, Safety. R. E. Thompson. 1,877,092; Sept. 13.
Razor, Safety. R. E. Thompson. 1,879,961; Sept. 27.
Razor, Safety. R. E. Thompson and T. L. Smith. 1,858,316; May 17.
Razor, Safety. M. Tua. 1,883,131; Oct. 18.
Razor, Safety. E. G. Weaver. 1,866,434; July 5.
Razor, Safety. L. L. Witter. 1,856,305; May 3.
Razor, Safety. J. Wolf. 1,874,657; Aug. 30.
Razor, Shaving cream dispensing safety. C. A. Melka. 1,867,980; July 19.
Razor, Stropping and honing. F. Rosenthal. 1,845,559; Feb. 16.
Razor stropping apparatus. H. Büntemeyer. 1,845,580; Feb. 16.
Razor stropping machine. F. H. Borm. 1,841,782; Jan. 19.
Razor stropping machine, Straight. D. B. Brown. 1,854,577; Apr. 19.
Razors and flashlights, Attachment for safety. S. Mendelsohn. 1,862,274; June 7.
Razors, Attachment for safety. H. W. Dildine. 1,880,881; Oct. 4.
Razors, Device for sharpening the blades of safety. W. Barsch. 1,862,457; June 7.
Reactance device, One-way. A. V. Dodge. 1,847,867; Mar. 1.
Reaction in aqueous media at high temperatures, Effecting organic. W. J. Hale. 1,868,140; July 19.
Reaction products from hydrocarbons and water, Producing. R. L. Brown and W. W. Odell. 1,873,536; Aug. 23.
Reaction products of vinyl esters and aldehydes, Making. F. W. Skirrow. 1,872,834; Aug. 23.
Reactions continuously in the liquid phase under increased pressure, Apparatus for carrying out. K. H. Saunders. 1,877,145; Sept. 13.
Reactive combustion engine. K. M. Urquhart. 1,888,749; Nov. 22.
Reactor. L. R. Allison. 1,869,364; Aug. 2.
Reactor, Adjustable. J. F. Merkel. 1,852,858; Apr. 5.
Reactor, Variable. J. J. Merrigan. 1,872,299; Aug. 16.
Reading arrangement of weighing apparatus. W. Timson. 1,848,587; Mar. 8.
Reading board. J. J. Nelson. 1,851,320; Mar. 29.
Reading glass. W. D. Teague. Des. 87,282; June 28.
Reading machine. B. A. Fiske. 1,881,072; Oct. 4.
Reading machine. B. A. Fiske. 1,890,149; Dec. 6.
Reagent feeder. J. A. Adams. 1,867,961; July 19.
Reagent for volumetric determination of fat. W. E. Petersen. 1,841,672; Jan. 19.
Reamer. W. A. Abegg. 1,848,404; Mar. 8.
Reamer. L. O. Beard. 1,852,690; Apr. 5.
Reamer. L. O. Beard. 1,873,177; Aug. 23.
Reamer. J. Grant. 1,844,356; Feb. 9.
Reamer. V. J. Kubin. 1,861,702; June 7.
Reamer. V. J. Kubin. 1,877,901; Sept. 20.
Reamer. M. I. Sieler. 1,871,845; Aug. 16.
Reamer and reamer chuck for pipe threading devices. J. H. Strock. 1,863,034; June 14.
Reamer and the like. J. V. Emmons and C. Kuchenbrod. 1,887,373; Nov. 8.
Reamer construction, Well. A. E. Carlson. 1,886,789; Nov. 8.
Reamer cutting machine. F. O. Albertson. 1,882,691; Oct. 18.
Reamer, Expanding. F. C. Eisenmann. 1,839,537; Jan. 5.
Reamer, Floating. C. E. Wyrick. 1,856,406; May 3.
Reamer, Roll stand. W. A. and R. L. Cottle. 1,861,907; June 7.
Reamer shaft holder and feeder. G. E. Moen. 1,859,837; May 24.
Reamer sharpening machine. W. H. Evans. 1,847,045; Feb. 23.
Reamer, Swinging cutter expanding. J. J. Santiago. 1,885,550; Nov. 1.
Reaming and counterboring bit. E. A. Benson. 1,845,119; Feb. 16.
Rear bracket, Vehicle accessory. E. V. Barker. 1,859,424; May 24.
Rear cross member. O. R. Skelton. 1,840,136; Jan. 5.
Rebound check for starter drives. Y. Sekella. 1,883,418; Oct. 18.
Rebound check for starter pinions. D. L. Wertz. 1,883,429; Oct. 18.
Rebound clamp. J. W. Thropp. 1,852,945; Apr. 5.
Rebuilding furnace roofs. N. Thompson and C. Johnson. 1,868,592; July 26.
Receiver. W. C. Jones. 1,863,308; June 14.
Receiver arrangement for electric television apparatus. A. Karolus. Re18,537; July 19.
Receiver, cigar and cigarette holder, Combined ash. R. U. Scarponi. Des. 87,947; Aug. 23.
Receiver for radio broadcast and wire distributing systems. L. Espenchied and C. H. Fetter. 1,853,117; Apr. 12.
Receiver or similar article, Ash. M. Barclay. Des. 86,434; Mar. 8.
Receiver separator. J. B. Fowler. 1,869,371; Aug. 2.
Receiver, Smoker's ash. J. S. Sherman. Des. 86,096; Jan. 26.
Receiving apparatus. H. J. M. de Regnauld de Bellescize. 1,872,634; Aug. 16.
Receiving system. H. de R. de Bellescize. 1,842,898; Jan. 26.
Receiving system. B. Van Der Pol. 1,886,990; Nov. 8.
Receiving system. L. C. Young. 1,876,159; Sept. 6.
Receptacle. H. Bolzoli. 1,875,412; Sept. 6.
Receptacle. C. E. Bre Miller. 1,840,561; Jan. 12.
Receptacle. C. Campbell. 1,886,465; Nov. 8.
Receptacle. H. B. Cramer. 1,864,979; June 28.
Receptacle. R. H. Dietz, jr. 1,891,525; Dec. 20.
Receptacle. B. Epstein. 1,887,502; Nov. 15.
Receptacle. A. von Frankenberg. 1,852,035; Apr. 5.
Receptacle. W. H. Gray. 1,841,603; Jan. 26.
Receptacle. G. D. Hauser. 1,864,538; June 28.
Receptacle. C. H. Jarvis. 1,874,299; Aug. 30.
Receptacle. R. B. Kingman. 1,844,960; Feb. 16.
Receptacle. F. O. Loeber. 1,856,877; May 3.
Receptacle. W. F. Lutzke. 1,865,533; July 5.
Receptacle. W. W. McAdam. 1,863,228; June 14.
Receptacle. J. F. Moran. 1,845,509; Feb. 16.
Receptacle. J. P. Oman and S. Bright. 1,881,900; Oct. 11.
Receptacle. M. Schwarz and F. J. Goetz. 1,888,699; Nov. 22.
Receptacle. I. Von Witzki. 1,873,081; Aug. 23.

Receptacle and housing therefor, Electric. J. R. Cook. 1,857,079; May 3.
Receptacle and making and closing the same. J. O. Seifert. 1,844,825; Feb. 9.
Receptacle and making the same. W. T. Scarritt. 1,860,224; July 26.
Receptacle and pipe, Combined cigarette. B. A. Loblo. 1,884,007; Oct. 25.
Receptacle and plug, Multiple electrical conduit. M. J. De Mask. 1,885,513; Nov. 1.
Receptacle and smoker's set, Combination. C. R. Young. Des. 86,293; Feb. 16.
Receptacle and the like, Laundry. J. Bode. 1,860,224; May 24.
Receptacle, Ash. J. H. Cohen. 1,844,380; Feb. 9.
Receptacle, Ash. J. H. Groth. 1,883,723; Oct. 18.
Receptacle, Ash. A. C. Grunwald. 1,852,610; Apr. 5.
Receptacle, Ash. A. C. Grunwald. 1,863,902; July 5.
Receptacle, Ash or cigarette. R. I. North. 1,868,023; July 19.
Receptacle, Attachment plug. E. Clemence. 1,858,072; May 10.
Receptacle, Attachment plug. A. Muellerweiss. 1,861,223; May 31.
Receptacle, Automatically refrigerating. P. P. Chapin and W. J. Kupec. 1,862,330; June 7.
Receptacle, Baling. W. A. Troth. 1,882,343; Oct. 11.
Receptacle, bracket, Swinging. A. R. Morris. 1,848,430; Mar. 8.
Receptacle, Card table ash. A. L. Duhl. 1,885,088; Oct. 25.
Receptacle, Clamping. W. H. Miller. 1,876,464; Sept. 6.
Receptacle cleaner. F. Bolagek. 1,857,584; May 10.
Receptacle closing and sealing means. E. L. Jones. 1,871,701; Aug. 16.
Receptacle closures, Apparatus for assembling. J. A. Johnson. 1,873,480; Aug. 23.
Receptacle, Collapsible. J. Berg. 1,848,929; Mar. 8.
Receptacle, Colonic excreta. F. H. Gautschi. Des. 87,915; Oct. 11.
Receptacle, Colonic excreta. F. H. Gautschi. Des. 88,077; Oct. 25.
Receptacle, Combination ash and cigarette. G. Gerstheimer. 1,840,664; Jan. 12.
Receptacle, Condiment. P. Delich. Des. 86,704; Apr. 12.
Receptacle, Continuous contact. E. C. Whiting. 1,877,103; Sept. 13.
Receptacle, Cooling. D. D. Hanson. 1,857,018; May 3.
Receptacle, Cutter. E. H. Lewandowski. 1,885,610; Nov. 1.
Receptacle, Desk pen. R. Back. Des. 87,953; Oct. 18.
Receptacle, Dispensing. H. R. Priest. 1,865,954; July 5.
Receptacle, Double-walled vacuum. A. E. Payson and M. P. Wetmore. 1,880,358; Oct. 4.
Receptacle, Electric lamp. R. A. Millermaster. 1,846,447; Feb. 23.
Receptacle, Electric lamp. G. A. and F. E. Johnson. 1,871,613; Aug. 16.
Receptacle, Electric outlet. C. Newman and E. G. Appleton. 1,840,734; Jan. 12.
Receptacle, Electrical. F. J. Hines. 1,852,459; Apr. 5.
Receptacle, Electrical. H. Hubbell, Jr. 1,882,080; Oct. 11.
Receptacle-evacuating apparatus. H. J. Engbrecht. 1,859,293; May 24.
Receptacle evacuating apparatus. C. J. Knapp. 1,846,877; Feb. 23.
Receptacle filling apparatus. C. N. Bergmann. 1,861,734; June 7.
Receptacle filling device. G. V. Gavaza. 1,891,639; Dec. 20.
Receptacle, Fish. P. D. Morgan. 1,856,818; May 3.
Receptacle for ashes and other material. R. Gerth. Des. 86,911; May 10.
Receptacle for automobiles, Ash. G. P. Dike. 1,846,512; Feb. 23.
Receptacle for automobiles, Side extension. E. A. Arndt. 1,849,046; Mar. 8.
Receptacle for bird cages. E. W. Little. 1,853,214; Apr. 12.
Receptacle for bottles and jars, Token. J. L. M. Guenard. 1,882,900; May 3.
Receptacle for frozen products. W. R. Willauer. 1,863,736; June 21.
Receptacle for house wiring systems. G. Carlson and H. G. Knoderer. 1,888,848; Nov. 22.
Receptacle for milk bottles and containers, Automatically locked and secured. B. Rabinowitz. 1,844,597; Feb. 9.
Receptacle for oil burners, Overflow. A. P. Holden and P. Morgan. 1,844,252; Feb. 9.
Receptacle for pen points provided with dark bands. G. Larsen. 1,863,061; June 14.
Receptacle for razor blades. R. D. McFaddan. 1,861,351; May 31.
Receptacle for vacuum cleaners, Dirt-receiving. E. E. Gudka. 1,855,672; Apr. 26.
Receptacle for vending machines, Coin. B. L. Fry. 1,885,249; Nov. 1.
Receptacle, Flexible pocket. W. R. Buxton. 1,866,618; July 12.
Receptacle, Flexible pocket. W. R. Buxton. 1,870,893; Aug. 9.
Receptacle, Flower. H. H. Harmony. 1,879,220; Sept. 27.
Receptacle, Folding. A. Zeindlhofer. 1,873,909; Sept. 6.
Receptacle, Heat insulating. A. E. Payson and M. P. Wetmore. 1,866,126; July 5.
Receptacle, Heat treating. H. H. Harris. 1,882,580; Oct. 11.
Receptacle, Knockdown. E. L. Benedict. 1,849,472; Mar. 15.
Receptacle, Lined. C. P. Wellman. 1,882,170; Oct. 11.
Receptacle, Measuring. H. M. Huffman. 1,861,400; May 31.
Receptacle, Measuring and dispensing. H. E. Whitney. 1,848,683; Mar. 8.
Receptacle, Metallic. O. E. Harris. 1,852,652; Apr. 5.
Receptacle, Mothproof. L. K. Loftin. 1,880,325; Oct. 4.
Receptacle, Mothproof. L. K. Loftin. 1,890,857; Dec. 13.
Receptacle, Needle. M. Nystrom. 1,854,759; Apr. 19.
Receptacle, Nonrefillable. F. A. Talbot. 1,890,421; Dec. 6.
Receptacle or container. J. H. Pence. 1,848,652; Mar. 8.
Receptacle or container for inflammable materials, Safety. J. G. Clark. 1,874,243; Aug. 30.
Receptacle or similar article, Ash. R. Gerth. Des. 87,779; Sept. 20.
Receptacle, Paper. H. Benke. 1,853,191; Apr. 12.
Receptacle, Paper. A. J. Lackner. 1,864,835–6; June 28.
Receptacle perforator and closure. E. B. Goodfellow. 1,887,592; Nov. 15.
Receptacle, Plug. F. P. Gates. 1,891,153; Dec. 13.
Receptacle, Plug. E. P. Kulka. 1,886,199; Nov. 1.
Receptacle, Portable outlet. W. J. Ferris. 1,882,791; Oct. 18.
Receptacle, Refuse. E. Wattmann. 1,877,099; Sept. 13.
Receptacle, Sheet metal. G. A. Sexton. 1,883,003; Oct. 18.
Receptacle, Smoker's. B. Futterman. 1,873,029; Aug. 23.
Receptacle, Sound record. F. Bader. 1,878,659; Sept. 20.
Receptacle, Storage. C. B. Thorne. 1,856,361; May 3.
Receptacle, Switch. H. Hubbell. 1,840,583; Jan. 12.
Receptacle, Tilting. W. J. Flynn. 1,890,587; Dec. 13.
Receptacle, Tobacco ash. D. Schultz. Des. 87,798; Sept. 20.
Receptacle, Transplanting. G. C. Singer. 1,846,980; Feb. 23.
Receptacle, Unbreakable and sanitary seamless. C. J. and H. Foth. 1,875,231; Aug. 30.
Receptacle, Vacuum wall. W. C. O'Leary. 1,890,655; Dec. 13.
Receptacle, Vaginal. L. J. Goddard. 1,891,761; Dec. 20.
Receptacle, Waste. L. Schott. Des. 86,642; Mar. 29.
Receptacle with automatic closure therefor. L. R. Lovelace. 1,872,475; Aug. 16.
Receptacle with automatic closure, Tube. F. W. Ellyson. 1,878,833; Sept. 20.
Receptacle with spray. W. R. Moyes. 1,880,461; Oct. 4.
Receptacle, Writing instrument receiving. W. E. Guyot. 1,860,093; May 24.
Receptacles, Apparatus for closing and sealing. J. O. Seifert. 1,871,749; Aug. 16.
Receptacles, Apparatus for handling. W. P. White and C. R. Ives. 1,846,016; Feb. 16.
Receptacles, Apparatus for lining. L. C. Huff. 1,850,933; Mar. 22.
Receptacles containing a liquid at a given temperature, Apparatus for the automatic emptying of. H. E. L. Labbé. 1,874,106; Aug. 30.
Receptacles from sponge rubber, Method and apparatus for forming. W. Vernet. 1,868,932; July 26.
Receptacles, Lined. C. P. Wellman. 1,882,049; Oct. 11.
Receptacles, Waste. L. E. Padelford and J. L. Kukowitz. 1,891,651; Dec. 20.
Reciprocating engine. J. R. Kelly. 1,854,041; Apr. 12.
Reciprocating engine. W. H. Manning. 1,881,027; Oct. 4.
Reclamation system. W. T. Barker. 1,875,549; Sept. 6.
Reclining chair. A. B. Bell. 1,879,036; Sept. 27.
Reclining chair. N. N. Brown. 1,882,176; Oct. 11.
Reclining chair. E. D. Kondos. 1,853,184; Aug. 9.
Reclining seat. A. B. Bell. 1,853,844; Apr. 12.
Recoil and countercrecoil mechanism for guns. G. M. Barnes. 1,848,304; Mar. 8.
Recoil check. R. W. Albertson. 1,846,045; Feb. 23.
Recoil pad for gunstocks. W. W. Knight. 1,861,234; May 31.
Record analyzing and posting machine. J. R. Peirce. 1,862,032; June 7.
Record bands, Making endless. I. L. Tenney. 1,866,585; July 12.
Record carriers and the like, Device for reminding magnetic. W. Klappenecker. 1,844,224; Feb. 9.
Record centering means for multiplying machines. W. R. Rovcroft. 1,879,766; Sept. 27.
Record changing mechanism for phonographs. R. R. Erbe. 1,872,706; Aug. 23.
Record, Deposit. H. J. De Lano. 1,867,211; July 12.
Record for gramophones and the like and manufacturing same. W. F. Pettie. 1,862,969; June 14.
Record guide. E. W. Davis. 1,876,208; Sept. 6.
Record, Phonoscopic and phonophotoscopic. E. E. Ries. 1,840,743; Jan. 12.
Record posting device. C. B. Irving. 1,881,614; Oct. 11.
Record repeater for phonographs. L. T. Kincannon. 1,883,942; Oct. 18.
Record reverser, Automatic phonograph. H. Broeckmeyer. 1,855,125; Apr. 19.

Record selecting system. P. M. Rainey. 1,863,353; June 14.
Record strip control, Interchangeable. W. D. Caton. 1,870,281; Aug. 9.
Record strip easel and deflector for autographic registers, E. K. Bottle. 1,870,231; Aug. 9.
Record with a constant linear speed, Device playing. G. Saint Martin. 1,852,322; Dec. 27.
Recorder: *See*—
Altitude reading recorder. Photographic recorder.
Automatic end point recorder. Service recorder.
Silk recorder.
Battery recorder. Time drift recorder.
Gear operation recorder. Time recorder.
Impact recorder. Time study recorder.
Low rail joint recorder. Weight recorder.
Recorder. E. H. Jacobi. 1,880,753; Oct. 4.
Recorder. H. Y. Norwood. 1,869,909; Aug. 2.
Recorder. F. B. Post. 1,875,653; Sept. 6.
Recording for high speed telegraphy, Narrow-tape. W. Ludenia and E. Schroeter. 1,875,063; Aug. 30.
Recorder for moving picture machines, Electrical sound. H. J. McCreary. 1,864,364; June 21.
Recorder for ships. E. A. Sperry. 1,850,978; Mar. 22.
Recorder, Time study. J. C. Mottashed and A. W. Payne. 1,858,457; May 17.
Recording and card punching machine. L. E. Lentz. 1,840,630; Jan. 12.
Recording and reproduction of sounds and moving pictures, Simultaneous. J. R. Robertson. 1,885,293; Nov. 1.
Recording apparatus. A. N. E. Boos. 1,871,032; Aug. 9.
Recording apparatus. H. J. McCreary. 1,864,363; June 21.
Recording apparatus. D. E. and O. S. Petty. 1,864,213; June 21.
Recording apparatus. M. L. Smith. 1,878,004; Sept. 20.
Recording device. F. Lowitz. 1,890,619; Dec. 13.
Recording device. H. B. Olmer and W. M. Carroll. 1,846,352; Feb. 23.
Recording device. A. J. Palmer. Des. 86,684; Apr. 5.
Recording device. H. Sengebusch. 1,862,200; June 7.
Recording device especially in electrical apparatus, Intermittently. R. Pudelko. 1,869,582; Aug. 2.
Recording drill indicator. A. C. McHugh and H. F. Rasneor. 1,877,249; Sept. 13.
Recording instrument. W. P. Blanchard. 1,847,918; Mar. 1.
Recording instrument. J. H. Smith. 1,855,613; Apr. 26.
Recording lock. T. H. Connell and I. M. Beltz. 1,855,224; Apr. 26.
Recording machine for motor vehicles. J. Stasinski. 1,847,989; Mar. 1.
Recording means for electromotors. J. Fiddes. 1,842,980; Jan. 26.
Recording mechanism. W. S. Finholm. 1,879,151; Sept. 27.
Recording mechanism for coke-oven pushers and the like. A. Koppers. 1,888,205; Nov. 15.
Recording method and apparatus. R. H. Bahney. 1,850,622; Mar. 22.
Recording system. J. B. Bowerman. 1,860,227; May 24.
Recording system. R. D. Evans, C. F. Wagner, and S. B. Grieson. 1,851,276; May 3.
Recording system. J. W. Legg. 1,871,709; Aug. 16.
Recording system. R. H. Ranger. 1,841,452; Jan. 19.
Recording system, Magnetic sound. J. G. Alverson. 1,858,310; Nov. 1.
Recording the frequency of impulses, Method of and apparatus for. W. Kunze. 1,858,332; May 17.
Recording unit, Multiple. G. F. Walter. 1,864,566; June 28.
Recording volt-ampere-meter. B. H. Smith. 1,839,608; Jan. 5.
Records for talking machines, Apparatus for recording and reproducing disk. H. J. A. Barlow and R. D. Cargill. 1,862,524; June 14.
Records, Material for process for making phonograph. A. Hawerlander. 1,842,168; Jan. 19.
Records, Recording photographic sound. F. H. Owens. 1,858,843; May 17.
Recreation and amusement machine. A. H. Evans. 1,840,192; Jan. 5.
Rectification. S. R. Merley. 1,862,758; June 14.
Rectification column. P. Subkow. 1,862,069; June 7.
Rectifier. T. F. Cheney. 1,887,868; Nov. 15.
Rectifier. W. A. Darrah. 1,856,865; May 3.
Rectifier. H. P. Donle. 1,850,451; Mar. 22.
Rectifier. H. P. Donle. 1,850,981; Mar. 22.
Rectifier. C. L. Fitz and L. Bachbuber. 1,867,503; July 12.
Rectifier. C. Hambuechen. 1,858,445; May 17.
Rectifier. E. Kobel. 1,858,275; May 17.
Rectifier. E. Kobel. 1,846,033; Feb. 23.
Rectifier. E. A. Lederer. 1,856,257; May 3.
Rectifier. E. Reisman. 1,868,175; July 19.
Rectifier. M. Schiesser. 1,856,404; May 3.
Rectifier. J. Slepian. 1,842,212; Jan. 19.
Rectifier. C. H. Zierdt. 1,865,430; July 5.
Rectifier, Alternating current. R. H. Maxson. 1,849,103; Mar. 15.
Rectifier cathode construction, Electric power. A. Gaudenzi. 1,847,646; Mar. 1.
Rectifier construction, Electric current. A. Gaudenzi and E. Kobel. 1,865,512; July 5.
Rectifier, Copper hemisulphide. S. B. Kraut and C. E. Margerum. 1,872,304; Aug. 16.
Rectifier, Copper oxide. F. M. Hegstenberg. 1,872,947; Aug. 23.
Rectifier, Copper oxide. H. Kahler. 1,842,360; Jan. 19.
Rectifier, Double plate. C. A. Horn. 1,869,561; Aug. 2.
Rectifier, Full wave. W. L. Krahl. 1,869,567; Aug. 2.
Rectifier isolating apparatus. E. Kern. 1,873,964; Aug. 30.
Rectifier, Mercury arc. D. C. Prince. 1,873,722; Aug. 23.
Rectifier, Mercury arc. M. Schenkel. 1,871,745; Aug. 16.
Rectifier, Mercury arc. A. Siemens. 1,847,637; Mar. 1.
Rectifier, Mercury arc. A. Siemens and M. Schenkel. 1,848,067; Mar. 1.
Rectifier, Mercury vapor. S. Widmer. 1,872,376; Aug 16.
Rectifier, Metal tank. W. B. Anderson. 1,851,533; Mar. 29.
Rectifier, Metal vapor. E. Kern. 1,870,513; Aug. 9.
Rectifier, Metal vapor arc. J. Egli. 1,873,957; Aug. 30.
Rectifier, Metallic vapor. S. Widmer. 1,873,955; Aug. 30.
Rectifier, Multiple filament. C. A. Horn. 1,869,560; Aug. 2.
Rectifier, Solid. E. A. Weaver. 1,845,067; Feb. 16.
Rectifier system. R. L. Davis. 1,872,253; Aug. 16.
Rectifier system. R. Keller. 1,863,162; June 14.
Rectifier system, Thermionic. E. Y. Robinson and C. R. Burch. 1,872,099; Aug. 16.
Rectifier, Thermionic. L. Sutherlin. 1,872,359; Aug. 16.
Rectifier, Vapor. A. Gaudenzi. 1,874,095; Aug. 30.
Rectifier voltages, Measurement of. C. A. Sabbah and C. F. Whitney. 1,873,667; Aug. 23.
Rectifiers, Device to prevent the occurrence of back-firing in mercury arc. A. Gaudenzi. 1,844,090; Feb. 9.
Rectifiers, Method and apparatus for preventing back-fires in metal vapor. J. Jonas and E. Kern. 1,845,841; Feb. 16.
Rectifying apparatus. H. J. André. 1,872,214; Aug. 16.
Rectifying apparatus. M. A. Lissman. 1,862,936; June 14.
Rectifying apparatus. L. F. Perrott. 1,889,612; Nov. 29.
Rectifying apparatus, Oil. M. Czarny and F. C. Frolander. 1,853,323; Nov. 1.
Rectifying device. P. R. Coursey and H. Andrewes. 1,865,616; July 5.
Rectifying installation. J. G. W. Mulder. 1,852,893; Apr. 5.
Rectifying system. J. E. Foster. 1,850,957; Mar. 22.
Rectifying system. T. Lennox. 1,854,945; Apr. 19.
Rectifying system. C. G. Smith. 1,843,521; Feb. 2.
Rectifying system. H. Winograd. 1,854,606; Apr. 19.
Recuperator. G. D. Moomaw. 1,864,087; June 21.
Recuperator construction. F. G. Schwalbe. 1,877,599; Sept. 13.
Recuperator for industrial furnaces. W. A. Morton. 1,881,388; Oct. 4.
Reducing apparatus. A. B. Mueller. 1,887,942; Nov. 15.
Reducing device for slivers for drawing mechanisms for textile slivers. F. Casablancas. 1,891,005; Aug. 2.
Reed converter. W. C. Roe. 1,854,863; Apr. 19.
Reel: *See*—
Antenna reel. Kite reel.
Cable reel. Lawn mower reel.
Clothesline reed. Magazine reel.
Collapsible reel. Picture reel.
Collapsible wire reel. Power driven reel.
Combination reel. Processing reel.
Drying reel. Ribbon reel.
Film reel. Rope and twine reel.
Fishing reel. Salt water reel.
Fishing rod reel. Shipping reel.
Garden reel. Spring wire reel.
Hand reel. Winding reel.
Hose reel. Wire reel.
Reel. C. E. Anderson. 1,844,494; Feb. 9.
Reel. H. P. Arkema and B. M. A. Trebes. 1,882,718; Oct. 18.
Reel. F. C. Biggert, jr., L. Johnson, and H. H. Talbot. 1,850,312; Mar. 22.
Reel. E. H. Branning. 1,883,518; Oct. 18.
Reel. V. H. Carouso. 1,863,620; June 21.
Reel. N. Gaddini. 1,864,900; June 28.
Reel. G. Goddu. 1,887,712; Nov. 15.
Reel. C. P. Harrison. 1,852,571; Apr. 5.
Reel. G. W. Hopkins. 1,867,743; July 19.
Reel. E. J. Hubbard. 1,852,243; Apr. 5.
Reel. L. A. Koch, jr. 1,854,653; Apr. 19.
Reel. F. C. Meyer. 1,867,322; July 12.
Reel. O. E. Peters. 1,839,339; Jan. 5.
Reel. J. E. Rust. 1,839,694; Jan. 5.
Reel. E. H. Schane. 1,862,199; June 7.
Reel, C. E. Vest. 1,886,209; Nov. 1.
Reel. P. Van Vlaanderen. 1,841,227; Jan. 12.
Reel and protector, Hose. H. G. Davis. 1,866,251; July 5.
Reel and the like, Hose. J. F. Goran. 1,844,934; Feb. 16.
Reel and the transportation thereof. C. T. Siebs and L. E. McGuire. 1,852,792; Apr. 5.
Reel arm for motion picture apparatus, Adjustable. A. F. Victor. 1,855,267; Apr. 26.
Reel assembly. A. W. Sharp. 1,882,195; Oct. 11.
Reel construction. J. H. Buhrle. 1,854,103; Apr. 12.
Reel construction. L. C. Davidge. 1,853,301; Apr. 12.

Reel construction, Moving picture. E. R. German. 1,850,265; Mar. 22.
Reel, Fishing. J. Lauterbach. Des. 86,615; Mar. 29.
Reel, Fishing. W. Shakespeare, Jr. 1,869,441; Aug. 2.
Reel for cables, Metal. G. Decombe. 1,849,977; Mar. 15.
Reel for detachable conduits. W. Jensen. 1,863,341; June 14.
Reel for dispensing coiled strip material. W. S. Hudson. 1,854,033; Apr. 12.
Reel for metal strips, Winding. W. C. Fork. 1,859,294; May 24.
Reel for metallic tapes. C. C. Hormel. 1,890,945; Dec. 13.
Reel for paper making machines, Auxiliary. H. M. Ross. 1,865,279; June 28.
Reel for winding yarn. C. C. Jordan. 1,851,632; Mar. 29.
Reel for wire and the like. A. W. Saulter. 1,854,767; Apr. 19.
Reel frame, Fishing. S. G. Russell. Des. 86,982; May 17.
Reel mechanism. C. Schaum. 1,879,885; Sept. 27.
Reel seat for fishing rods. J. T. Welch. 1,870,078; Aug. 2.
Reel starter for paper machines. B. A. Malkin. 1,881,781; Oct. 11.
Reel support for harvester binders. G. Hammer. 1,888,500; Nov. 22.
Reeling device. R. J. Kent. 1,839,321; Jan. 5.
Reeling device. W. J. Livermore. 1,865,598; June 14.
Reeling device. H. T. Martin and F. A. Hoyt. 1,861,221; May 31.
Reeling machines, Traverse mechanism for. C. F. Van Hook. 1,867,688; July 19.
Reeling mechanism. H. W. Webb. 1,847,455; Mar. 1.
Reeling system. E. W. Stoer. 1,891,275; Dec. 20.
Reenforcement for conveyer belts. C. E. Pink. 1,887,425; Nov. 8.
Reenforcement for heat interchangers. K. K. Wright. 1,891,518; Dec. 20.
Reenforcing fabric. E. L. Benedict. 1,882,747; Oct. 18.
Refined products from distillable carbonaceous materials, Recovery of. M. Pier and K. Wissel. 1,881,963; Oct. 11.
Refining apparatus and process. J. E. Burns and W. H. Woodford. 1,887,920; Nov. 15.
Refining method of vegetable oils to be used as solvents for injection medicine. H. Hatakeyama and H. Watanabe. 1,867,665; July 19.
Refining process for producing pure iron. H. J. Van Royen. 1,846,234; Feb. 23.
Reflecting device. J. C. Stimson. 1,848,675; Mar. 8.
Reflecting unit. C. C. Dodge. 1,858,141; May 10.
Reflector. L. A. Bean. 1,889,188; Nov. 29.
Reflector. J. Dane. 1,842,524; Jan. 19.
Reflector. L. Kral. 1,888,388; Nov. 22.
Reflector. H. W. Lucas. 1,875,384; Sept. 6.
Reflector. R. W. Luce. 1,843,794; Mar. 8.
Reflector. E. L. Silverman. 1,863,171; June 14.
Reflector and fastening therefor. W. V. Bergen and A. C. Sloane. 1,891,138; Dec. 13.
Reflector and light for automobiles and the like, Combined. R. W. Luce. 1,884,020; Oct. 25.
Reflector and umbrella applicator stand, Portable combination body raying. J. J. Rekar. Des. 87,027; May 24.
Reflector assembly. L. M. Wiley. 1,848,812; Mar. 8.
Reflector button and holding means therefor. J. R. Wald. 1,858,382; May 17.
Reflector, Collapsible. L. C. Doane. 1,873,310; Aug. 23.
Reflector for lighting fixtures. E. F. Guth. Des. 87,464; Aug. 2.
Reflector, Headlight. E. Schimpff. 1,841,917; Jan. 19.
Reflector, Light. F. Schneider. 1,878,646; Sept. 20.
Reflector, Signal light. A. Oestnaes and R. W. Luce. 1,840,790; Jan. 12.
Refractometer. E. N. Brown. 1,858,949; May 17.
Refractor. J. A. O'Neil. 1,879,442; Sept. 27.
Refractories from molten magnesite or other materials, Sintering. H. Neuhaus. 1,856,851; May 3.
Refractory. J. H. Gill. 1,852,713; Apr. 5.
Refractory. G. A. Soper, jr. 1,861,759; June 7.
Refractory and making it. R. P. Heuer. 1,859,512; May 24.
Refractory and making the same, Low pressure. F. J. Tone. 1,873,071; Aug. 23.
Refractory article. G. S. Fulcher. 1,879,676; Sept. 27.
Refractory article. F. J. Tone. 1,881,104; Oct. 4.
Refractory articles and making the same, Composite. G. S. Fulcher. 1,878,839; Sept. 20.
Refractory articles and making them, Composite. G. S. Fulcher. 1,868,699; July 26.
Refractory articles, Making. M. Meth. 1,862,191; June 7.
Refractory bodies, Producing. A. Sprenger. 1,886,268; Nov. 1.
Refractory body. J. S. Hogue. 1,879,246; Sept. 27.
Refractory cast article, Making a. C. S. Linder. 1,878,870; Sept. 20.
Refractory composition. C. A. Laise. 1,858,244; May 17.
Refractory composition. C. A. Laise. 1,858,300; May 17.
Refractory composition for brake shoe molds. J. D. Alley. 1,862,701; Jun. 14.
Refractory containing silicon carbide and making the same. E. B. Forse and C. F. Geiger. 1,849,289; Mar. 15.
Refractory for contact with molten glass. P. G. Willetts. 1,858,317; May 17.
Refractory insulating material, Making. V. M. Goldschmidt. 1,854,899; Apr. 19.
Refractory material. C. A. Laise. 1,842,103; Jan. 19.
Refractory product and making same. W. J. McCaughey. 1,839,982; Jan. 5.
Refreshment stand. W. M. James. 1,846,112; Feb. 23.
Refrigerant. L. V. Aronson. 1,841,776; Jan. 19.
Refrigerant. C. Dantsizen. 1,854,984; Apr. 19.
Refrigerant. E. H. Sorensen. 1,845,356; Feb. 16.
Refrigerant. L. K. Wright. 1,855,659; Apr. 26.
Refrigerant controlling apparatus. J. F. Hoffman. 1,840,954; Jan. 12.
Refrigerant generator and circulator. R. V. Grayson. 1,869,633; Aug. 2.
Refrigerant in refrigerating systems, Purifying the. T. J. Litle, jr. 1,866,659; July 12.
Refrigerant, Noninflammable. E. E. Sorensen. 1,845,355; Feb. 16.
Refrigerated case. D. E. Rutishauser. 1,845,888; Feb. 16.
Refrigerating and display apparatus and method. C. L. Jones and H. S. McIlvain. 1,882,640; Oct. 11.
Refrigerating and ventilating appliance. C. A. Moore. 1,861,710; June 7.
Refrigerating and ventilating apparatus. C. A. Moore. 1,867,749; July 19.
Refrigerating and ventilating system. S. Sholtes. 1,858,242; May 22.
Refrigerating apparatus. E. J. Ahrens. 1,868,961; July 26.
Refrigerating apparatus. G. Andresen. 1,850,952; Mar. 22.
Refrigerating apparatus. G. Andresen. 1,890,205; Dec. 6.
Refrigerating apparatus. F. W. Andrews. 1,854,572; Apr. 19.
Refrigerating apparatus. F. W. Andrews. 1,890,451; Dec. 13.
Refrigerating apparatus. E. S. H. Baars. 1,880,653; Oct. 4.
Refrigerating apparatus. M. W. Baker. 1,883,864; Oct. 25.
Refrigerating apparatus. L. I. Beckwith. 1,870,088; Aug. 2.
Refrigerating apparatus. L. I. Beckwith. 1,875,977; Sept. 6.
Refrigerating apparatus. C. Birdseye. 1,880,232; Oct. 4.
Refrigerating apparatus, H. P. Braeutigam. 1,862,816; June 14.
Refrigerating apparatus, P. M. Bratten. 1,843,913; Feb. 9.
Refrigerating apparatus. J. B. Breen. 1,883,521; Oct. 18.
Refrigerating apparatus. F. A. Browne. 1,841,935; Jan. 19.
Refrigerating apparatus. C. A. Bulkeley. 1,859,427; May 24.
Refrigerating apparatus. R. W. Davenport. 1,866,526; July 12.
Refrigerating apparatus. H. J. Dick. 1,880,877; Oct. 4.
Refrigerating apparatus, Le R. A. Droescher. 1,886,656; Nov. 8.
Refrigerating apparatus. H. W. Dyer. 1,846,190; Feb. 23.
Refrigerating apparatus. H. D. Eiche. 1,848,118; Mar. 8.
Refrigerating apparatus. J. R. Fehr. 1,881,426; Oct. 11.
Refrigerating apparatus. M. W. Fish. 1,886,331; Nov. 1.
Refrigerating apparatus. M. W. Fish and H. F. Clark. 1,883,891; Oct. 25.
Refrigerating apparatus. R. E. Fleming. 1,848,121; Mar. 8.
Refrigerating apparatus. R. S. Gaugler. 1,865,513; July 5.
Refrigerating apparatus. R. M. Getchell. 1,880,083; Sept. 27.
Refrigerating apparatus. B. B. Geyer. 1,860,325; May 24.
Refrigerating apparatus. W. R. Hainsworth. 1,873,390; Aug. 23.
Refrigerating apparatus. B. Hall. 1,887,127; Nov. 8.
Refrigerating apparatus. F. J. Heideman. 1,861,089; May 31.
Refrigerating apparatus. C. F. Henney. 1,862,854; June 14.
Refrigerating apparatus. C. F. Henney. 1,867,261; July 12.
Refrigerating apparatus. C. F. Henney. 1,881,568; Oct. 11.
Refrigerating apparatus. J. F. Hoffman. 1,853,273; Apr. 12.
Refrigerating apparatus. W. C. Holbrook. 1,846,109; Feb. 23.
Refrigerating apparatus. W. C. Holbrook. 1,846,554; Feb. 23.
Refrigerating apparatus. W. C. Holbrook. 1,847,109; Mar. 1.
Refrigerating apparatus. W. C. Holbrook. 1,869,812; Aug. 2.
Refrigerating apparatus. H. B. Hull. Re18,685; Dec. 6.
Refrigerating apparatus. H. R. Hull. 1,856,765; May 3.
Refrigerating apparatus. H. B. Hull. 1,867,744; July 19.
Refrigerating apparatus. H. B. Hull. 1,881,603; Oct. 11.
Refrigerating apparatus. H. B. Hull. 1,883,920; Oct. 25.
Refrigerating apparatus. H. B. Hull. 1,883,922–4; Oct. 25.

Refrigerating apparatus. H. B. Hull. 1,885,264; Nov. 1.
Refrigerating apparatus. H. B. Hull. 1,891,231; Dec. 20.
Refrigerating apparatus. H. B. Hull. 1,892,346; Dec. 27.
Refrigerating apparatus. H. B. Hull and D. H. Reeves. 1,889,896; Dec. 6.
Refrigerating apparatus. W. S. Josephson. 1,873,131; Aug. 23.
Refrigerating apparatus. L. S. Kellboltz. 1,866,040; July 5.
Refrigerating apparatus. M. W. Kenney. 1,853,904; Apr. 12.
Refrigerating apparatus. M. W. Kenney. 1,870,457; Aug. 9.
Refrigerating apparatus. A. J. Kercher. 1,886,553; Nov. 8.
Refrigerative apparatus. D. H. Killeffer. 1,877,181; Sept. 13.
Refrigerating apparatus. J. R. Killen. 1,867,530; July 12.
Refrigerating apparatus. J. R. Killen. 1,891,232; Dec. 20.
Refrigerating apparatus. C. F. Kettering. 1,886,339; Nov. 1.
Refrigerating apparatus. J. G. King. 1,861,091; May 31.
Refrigerating apparatus. J. G. King. 1,866,042; July 5.
Refrigerating apparatus. J. G. King. 1,866,854; July 12.
Refrigerating apparatus. J. G. King. 1,868,907; July 26.
Refrigerating apparatus. J. G. King. 1,873,425; Aug. 23.
Refrigerating apparatus. J. G. King. 1,877,591; Sept. 20.
Refrigerating apparatus. J. G. King. 1,883,944–5; Oct. 25.
Refrigerating apparatus. J. G. King. 1,887,558; Nov. 15.
Refrigerating apparatus. J. G. King. 1,887,933; Nov. 15.
Refrigerating apparatus. H. W. Kleist. 1,863,718; June 21.
Refrigerating apparatus. C. E. L. Lipman. 1,841,616; Jan. 19.
Refrigerating apparatus. D. E. Maccabee. 1,842,529; Jan. 26.
Refrigerating apparatus. D. E. Maccabee. 1,867,748; July 19.
Refrigerating apparatus. J. A. Macready and D. H. Wyatt. 1,847,092; Mar. 1.
Refrigerating apparatus. R. K. Miller. 1,866,575; July 12.
Refrigerating apparatus. T. D. Montee. 1,877,143; Sept. 13.
Refrigerating apparatus. C. B. Myers. 1,884,126; Oct. 25.
Refrigerating apparatus. D. R. Neal. 1,887,563; Nov. 15.
Refrigerating apparatus. C. C. Palmer. 1,863,635; June 21.
Refrigerating apparatus. C. H. Porter. 1,885,139; Nov. 1.
Refrigerating apparatus. A. E. Payson and M. P. Wetmore. 1,859,887; May 24.
Refrigerating apparatus. B. F. Randel. 1,882,251; Oct. 11.
Refrigerating apparatus. J. T. Rauen. 1,859,795; May 24.
Refrigerating apparatus. D. H. Reeves. 1,852,479; Apr. 5.
Refrigerating apparatus. D. H. Reeves. 1,858,558; May 17.
Refrigerating apparatus. D. H. Reeves. 1,869,617; Aug. 2.
Refrigerating apparatus. H. Röhl. 1,861,979; June 7.
Refrigerating apparatus. D. E. Rutishauser. 1,880,359; Oct. 4.
Refrigerating apparatus. W. H. Sartain. 1,874,364; Aug. 30.
Refrigerating apparatus. C. W. Scherer. 1,887,948; Nov. 15.
Refrigerating apparatus. W. H. F. Schmieding. 1,866,823; July 12.
Refrigerating apparatus. W. H. F. Schmieding. 1,879,079; Oct. 18.
Refrigerating apparatus. J. H. Sheats. 1,884,303; Oct. 25.
Refrigerating apparatus. F. G. Slagel. 1,867,716; July 19.
Refrigerating apparatus. H. Sloan. 1,884,312; Oct. 25.
Refrigerating apparatus. H. F. Smith. 1,844,528; Feb. 9.
Refrigerating apparatus. H. F. Smith. 1,851,458; Mar. 29.
Refrigerating apparatus. H. F. Smith. 1,854,565; Apr. 19.
Refrigerating apparatus. H. F. Smith. 1,855,493; Apr. 26.
Refrigerating apparatus. H. F. Smith. 1,866,373; July 5.
Refrigerating apparatus. H. F. Smith. 1,866,825; July 12.
Refrigerating apparatus. H. F. Smith. 1,884,317; Oct. 25.
Refrigerating apparatus. J. C. Smith. 1,880,509; Oct. 4.
Refrigerating apparatus. O. M. Summers. 1,884,363; Oct. 25.
Refrigerating apparatus. O. M. Summers. 1,885,783; Nov. 1.
Refrigerating apparatus. O. M. Summers. 1,888,331; Nov. 22.
Refrigerating apparatus. O. M. Summers. 1,891,249; Dec. 20
Refrigerating apparatus. E. O. Stout. 1,864,957; June 28.
Refrigerating apparatus. L. L. Torrey. 1,839,278; Jan. 5.
Refrigerating apparatus. K. A. Wessblad. 1,884,939; Oct. 25.
Refrigerating apparatus. B. H. Weston. 1,882,237; Oct. 11.
Refrigerating apparatus. B. H. Weston. 1,888,646; Nov. 22.
Refrigerating apparatus. J. W. Winter. 1,857,105; May 3.
Refrigerating apparatus. J. W. Winter. 1,884,470; Oct. 25.
Refrigerating apparatus. H. W. Wishart and R. L. Alexander. 1,847,546; Mar. 1.
Refrigerating apparatus. L. K. Wright. 1,839,939; Jan. 5.
Refrigerating apparatus. L. K. Wright. 1,865,349; June 28.
Refrigerating apparatus. L. K. Wright. 1,878,225; Sept. 20.
Refrigerating apparatus. De W. H. Wyatt. 1,840,074; Jan. 5.
Refrigerating apparatus, Absorption. E. E. Allyne. 1,862,646–7; June 14.
Refrigeration apparatus, Absorption. D. L. Gordon. 1,886,243; Nov. 1.
Refrigerating apparatus, Absorption. C. and W. Jaeger. 1,849,931; Mar. 15.
Refrigerating apparatus, Absorption. C. G. Munters. 1,842,293; Jan. 12.
Refrigerating apparatus, Absorption type. D. B. Knight. 1,869,853; Aug. 2.
Refrigerating apparatus and cabinet therefor, Artificial. H. L. Foster. 1,868,353; July 19.
Refrigerating apparatus and control therefor. H. E. Willsie. 1,870,431; Aug. 9.
Refrigerating apparatus and control valve therefor. J. C. Goosmann. 1,854,402; Apr. 19.
Refrigerating apparatus and lubricating same. H. C. Kellogg and E. M. May. 1,885,836–7; Nov. 1.
Refrigerating apparatus and method. D. H. Killeffer and C. L. Jones. 1,883,939; Oct. 25.
Refrigerating apparatus and method. J. W. Martin, jr. 1,877,187; Sept. 13.
Refrigerating apparatus and method. J. W. Martin, jr. 1,887,693; Nov. 15.
Refrigerating apparatus and method. B. F. Randel. 1,854,223; Apr. 19.
Refrigerating apparatus and method. H. M. Taylor. 1,873,364; Aug. 23.
Refrigerating apparatus and method of refrigerating. E. L. Barnes. 1,875,211; Aug. 30.
Refrigerating apparatus, Artificial. C. M. Holley and H. L. Foster. 1,868,359; July 19.
Refrigerating apparatus assembly. A. J. Kusel. 1,847,839; Mar. 1.
Refrigerating apparatus, Continuous absorption. E. Altenkirch. 1,878,092; Sept. 20.
Refrigerating apparatus, Continuous absorption. R. S. Taylor. 1,874,654; Aug. 30.
Refrigerating apparatus for bottled goods. C. C. Spreen. 1,862,638; June 14.
Refrigerating apparatus for freight cars. L. K. Wright. 1,861,518; June 7.
Refrigerating apparatus for soda fountains and the like. F. G. Simpson. 1,847,788; Mar. 1.
Refrigerating apparatus, Intermittent absorption. E. E. Allyne and A. C. Schickler. 1,861,075; May 31.
Refrigerating apparatus, Resistor unit for. H. R. Greenwald. 1,879,197; Sept. 27.
Refrigerating apparatus, Reversible absorption or adsorption. J. O. Boving. 1,854,778; Apr. 19.
Refrigerating box. H. E. Willsie. 1,854,089; Apr. 12.
Refrigerating casing. J. K. Olsen. Des. 87,882–3; Oct. 4.
Refrigerating composition. F. J. Dobrovolyn. 1,879,893; Sept. 27.
Refrigerating, dehumidifying, and ventilating appliance. C. A. Moore. 1,861,813; June 7.
Refrigerating device. O. Bahls. 1,866,389; July 5.
Refrigerating device. L. M. Crosley. 1,857,439; May 10.
Refrigerating device. E. H. Jolley. 1,853,060; Apr. 12.
Refrigerating device. C. E. Long. 1,880,097; Sept. 27.
Refrigerating device. A. E. Payson and M. P. Wetmore. 1,875,129; Aug. 30.
Refrigerating device. H. S. Raymond. 1,868,763; July 26.
Refrigerating device. M. P. Wetmore. 1,847,321; Mar. 1.
Refrigerating device. M. P. Wetmore. 1,865,155; June 28.
Refrigerating device. R. O. White. 1,840,375; Jan. 12.
Refrigerating goods-display device. T. G. Harrison. 1,881,541; Oct. 11.
Refrigerating ice cream containers and the like. G. F. Dickson. 1,872,689; Aug. 23.
Refrigerating installation. L. I. Beckwith. 1,883,487; Oct. 18.
Refrigerating machine. W. G. Abbott, jr. 1,871,645; Aug. 16.
Refrigerating machine. A. P. Anderson. 1,889,341; Nov. 29.
Refrigerating machine. C. P. Brockway. 1,844,029; Feb. 9.
Refrigerating machine. M. Davis. 1,890,457; Dec. 13.
Refrigerating machine. E. Kägi. 1,878,403; Sept. 20.

Refrigerating machine. G. H. Phelps. 1,859,840; May 24.
Refrigerating machine. C. Steenstrup. 1,843,005; Jan. 26.
Refrigerating machine, Apparatus for measuring capacity of a. H. Inokuty. 1,873,127; Aug. 23.
Refrigerating machine, Rotary. M. Audiffren and A. Singrün. 1,839,817; Dec. 6.
Refrigerating mechanism. G. Muffly. 1,878,798; Sept. 20.
Refrigerating mechanism. F. R. West. 1,881,006; Oct. 4.
Refrigerating mechanism, Domestic. W. W. Williams. 1,842,357; Jan. 19.
Refrigerating method and apparatus. V. Buhr. 1,865,168; June 28.
Refrigerating method and apparatus. D. N. Crosthwait, jr. 1,874,912; Aug. 30.
Refrigerating method and apparatus. D. H. Killeffer. 1,887,687; Nov. 15.
Refrigerating method and apparatus. E. Kindermann. 1,875,795; Sept. 6.
Refrigerating or air conditioning apparatus. H. F. Smith. 1,883,024; Oct. 18.
Refrigerating plant. L. L. Torrey. 1,846,375; Feb. 23.
Refrigerating plant, Static. M. Carranza. 1,847,170; Mar. 1.
Refrigerating process and apparatus. R. W. Davenport. 1,843,945; Feb. 9.
Refrigerating process and apparatus for cooling fat emulsions such as margarine and the like. W. G. Schroeder. 1,870,531; Aug. 9.
Refrigerating process and the apparatus applicable thereto. A. Seligmann. 1,870,265; Aug. 9.
Refrigerating system. A. Baumann. 1,889,191; Nov. 29.
Refrigerating system. L. Buehler, jr., and W. H. Aubrey. 1,857,078; May 3.
Refrigerating system. G. W. Bungay. 1,856,536; May 3.
Refrigerating system. L. G. Copeman. 1,840,619; Jan. 12.
Refrigerating system. L. G. Copeman. 1,840,702; Jan. 12.
Refrigerating system. Le R. A. Droescher. 1,890,282; Dec. 6.
Refrigerating system. J. Dubrovin. 1,855,754; Apr. 26.
Refrigerating system. W. L. Edel. 1,873,319; Aug. 23.
Refrigerating system. W. Fourness. 1,854,466; Apr. 19.
Refrigerating system. B. R. Harris. 1,883,899; Oct. 25.
Refrigerating system. G. Hilger. 1,882,596–7; Oct. 11.
Refrigerating system. G. Hilger. 1,889,917; Dec. 6.
Refrigerating system. G. Hilger. 1,889,988; Dec. 6.
Refrigerating system. W. D. Jordan and P. D. Van Vliet 1,887,714; Dec. 20.
Refrigerating system. J. G. King. 1,863,750; June 21.
Refrigerating system. C. E. L. Lipman. 1,839,689; Jan. 5.
Refrigerating system. C. E. L. Lipman. 1,841,617; Jan. 19.
Refrigerating system. H. H. Marshall. 1,858,517; May 17.
Refrigerating system. C. A. Masterman. 1,881,208; Oct. 4.
Refrigerating system. G. Muffly. 1,842,995; Jan. 26.
Refrigerating system. G. Muffly. 1,880,909; Oct. 4.
Refrigerating system. A. C. Schickler. 1,845,060; Feb. 16.
Refrigerating system. R. E. Schurts. 1,891,028; Dec. 13.
Refrigerating system. B. C. Shipman. 1,885,017; Oct. 25.
Refrigerating system. A. H. Strong. 1,884,352–3; Oct. 25.
Refrigerating system. H. R. Van Deventer. 1,886,607; Nov. 8.
Refrigerating system, Absorption. S. R. Cummings. 1,878,831; Sept. 20.
Refrigerating system and apparatus therefor. C. H. Lyndon. 1,861,657; June 14.
Refrigerating system and method. P. A. Scherer and G. B. Ridley. 1,882,969; Oct. 18.
Refrigerating system, Continuous absorption. E. N. Altenkirch. 1,878,803; Sept. 20.
Refrigerating system, Defrosting. V. P. Warren. 1,863,427; June 14.
Refrigerating system, Mechanical. S. M. Martin. 1,846,062; Feb. 23.
Refrigerating system, Mechanical. S. M. Martin. 1,846,131; Feb. 23.
Refrigerating system with liquid and gas traps. N. H. Gay. 1,878,694; Sept. 20.
Refrigerating unit. L. G. Copeman. 1,879,922; Sept. 27.
Refrigerating unit. F. E. Dennison. 1,849,793; Mar. 15.
Refrigerating unit. E. V. Hill. 1,888,950; Nov. 22.
Refrigerating unit, Defrosting. C. T. Hoffman. 1,852,163; Apr. 5.
Refrigerating unit, Electrically operated. W. W. Williams. 1,855,160; Apr. 19.
Refrigerating units, Automatically defrosting. C. T. Hoffman. 1,886,953; Nov. 8.
Refrigeration. G. Andresen. 1,850,907; Mar. 22.
Refrigeration. J. G. Bergdoll. 1,860,447; May 31.
Refrigeration. V. Bush. 1,846,307; Feb. 23.
Refrigeration. S. C. Carney. 1,839,197; Jan. 5.
Refrigeration. J. H. Dennedy. 1,883,607. Oct. 18.
Refrigeration. A. R. Earnshaw. 1,876,212; Sept. 6.
Refrigeration. D. B. Knight. Re18,494; June 14.
Refrigeration. D. B. Knight. 1,846,006; Feb. 16.
Refrigeration. W. A. Kuenzli and A. Y. Dowell. 1,878,929; Sept. 20.
Refrigeration. A. Lenning. 1,873,435; Aug. 23.
Refrigeration. A. Lenning and R. S. Taylor. 1,841,136; Jan. 12.
Refrigeration. A. T. Light. 1,866,988; July 12.
Refrigeration. G. Maiuri and R. F. Bossini. 1,875,626; Sept. 6.
Refrigeration. C. G. Munters. Re18,665; Nov. 22.
Refrigeration. C. G. Munters. 1,849,685; Mar. 15.
Refrigeration. C. G. Munters. 1,859,455; May 24.
Refrigeration. C. G. Munters and S. M. Bäcksröm. 1,864,608; June 28.
Refrigeration. E. Oster. 1,844,522; Feb. 9.
Refrigeration. F. H. Peltier. 1,844,677; Feb. 9.
Refrigeration. F. D. Peltier. 1,891,357; Dec. 20.
Refrigeration. F. D. Peltier and C. E. Ploeger. 1,884,186–7; Oct. 25.
Refrigeration. H. C. Pierce. 1,858,841; May 17.
Refrigeration. C. E. Ploeger. 1,854,997; Apr. 19.
Refrigeration. B. F. Randel. 1,874,621; Aug. 30.
Refrigeration. B. F. Randel. 1,875,654; Sept. 6.
Refrigeration. B. F. Randel. 1,882,252–8; Oct. 11.
Refrigeration. J. G. Ruckelshaus and N. W. Kempf. 1,877,536; Sept. 13.
Refrigeration. F. E. Sellman. 1,845,850; Feb. 16.
Refrigeration. F. R. Sellman. 1,867,181; July 12.
Refrigeration. T. Shipley. 1,866,989–90; July 12.
Refrigeration. C. H. Tanger. 1,873,508; Aug. 23.
Refrigeration. B. v. von Platen and C. G. Munters. 1,864,562; June 28.
Refrigeration. E. T. Williams. 1,873,237; Aug 23.
Refrigeration. E. T. Williams. 1,891,519; Aug 23.
Refrigeration. W. E. Zieber. 1,866,991–2; July 12.
Refrigeration and the like. T. A. Banning. 1,873,101; Aug. 23.
Refrigeration apparatus. L. S. Chadwick. 1,871,879; Aug. 16.
Refrigeration apparatus. R. Clayton. 1,844,541; Feb. 9.
Refrigeration apparatus. E. A. Cobb. 1,851,239; Mar. 29.
Refrigeration apparatus. M. W. Kenney. 1,870,458; Aug 9.
Refrigeration apparatus. M. Munce. 1,875,254; Aug. 30.
Refrigeration apparatus. H. A. Phillips. 1,884,202; Oct. 25.
Refrigeration apparatus. A. C. Schickler. 1,855,730; Apr. 26.
Refrigeration apparatus. W. H. F. Schmieding. 1,859,917; Aug. 2.
Refrigeration apparatus. L. K. Wright. 1,854,090; Apr. 12.
Refrigeration. Apparatus and method for. C. E. Rorrer and A. R. Mitterer. 1,889,499; Nov. 29.
Refrigeration apparatus, Combustion. L. S. Chadwick and M. Resek. 1,844,040; Feb. 16.
Refrigeration, Artificial. J. G. De Remer. 1,861,957; June 7.
Refrigeration by means of carbon dioxide in solid state. J. S. Wagner. 1,878,042; Sept. 20.
Refrigeration device. L. M. Crosley. 1,857,440; May 10.
Refrigeration machine, Control device for mechanical. L. U. Larkin. 1,885,608; Nov. 1.
Refrigeration, Mechanical. H. H. Nesbitt. 1,874,204; Aug. 30.
Refrigeration, Mechanical. C. C. Spreen. 1,860,436; May 31.
Refrigeration method and apparatus. E. B. Miller. 1,864,661; June 28.
Refrigeration, Method and apparatus for. L. G. Copeman. 1,887,580; Nov. 15.
Refrigeration. Method of and apparatus for. A. S. Limpert. Re18,371; Mar. 1.
Refrigeration, Method of and apparatus for producing continuous. E. Babcock. 1,865,813; July 5.
Refrigeration. Process and apparatus for. W. A. Fosberry. 1,891,505; Dec. 20.
Refrigeration, Ship. P. W. Hiller. 1,881,079; Oct. 4.
Refrigeration system. J. P. Green. 1,878,772; Sept. 20.
Refrigeration system. J. F. Hoffman. 1,840,955; Jan. 12.
Refrigeration system. E. B. Miller. 1,892,407; Dec. 27.
Refrigeration, System for controlling. R. Sause. 1,870,874; Aug. 9.
Refrigeration system, Multiple pressure. G. Hilger. 1,844,161; Feb. 9.
Refrigeration unit. R. L. Alexander and J. R. McCallum. 1,869,835; Aug. 2.
Refrigeration unit. W. L. Ecabert. 1,840,940; Jan. 12.
Refrigeration unit. R. W. Kritzer. 1,866,810; July 12.
Refrigeration unit. A. Stanyo. 1,883,057. Oct. 18.
Refrigerative apparatus. D. H. Killeffer. 1,883,937; Oct. 25.
Refrigerator. E. E. Allyne. 1,850,527; Mar. 22.
Refrigerator. N. S. Anderson. 1,853,490; Apr. 12.
Refrigerator. J. Beck. 1,891,905; Dec. 27.
Refrigerator. W. E. Bihl. 1,883,329; Oct. 18.
Refrigerator. G. C. Bohn. 1,863,219; June 14.
Refrigerator. C. E. Bonine. 1,880,735; Oct. 4.
Refrigerator. C. M. Brenner. 1,862,464; June 7.
Refrigerator. F. Elnermann. 1,868,495; July 26.
Regenerator. H. Fabrbach. 1,871,166; Aug. 9.
Refrigerator. C. N. Foreman. 1,883,668; Oct. 18.

Refrigerator. S. Gordon. 1,876,915; Sept. 13.
Refrigerator. H. M. Hessenbruch. 1,862,491; June 7.
Refrigerator. C. T. Hoffman. 1,852,707; Apr. 5.
Refrigerator. W. C. Marshall. 1,864,140; June 21.
Refrigerator. D. C. McCord and G. S. Bataille. 1,888,043; Nov. 15.
Refrigerator. H. H. McKee. 1,889,686; Nov. 29.
Refrigerator. B. A. Michel. 1,887,419; Nov. 8.
Refrigerator. C. A. Moore. 1,837,243; Nov. 8.
Refrigerator. F. L. Northy and S. B. Nordskog. Des. 87,937; Oct. 11.
Refrigerator. V. C. O'Leary. 1,889,214; Nov. 29.
Refrigerator. F. H. Osborne. 1,886,042; Nov. 1.
Refrigerator. R. E. Ottenheimer. 1,877,685; Sept. 13.
Refrigerator. J. C. Reuen. 1,867,539; July 12.
Refrigerator. J. R. Replogle. 1,862,634; June 14.
Refrigerator. L. C. Rifnour. 1,847,626; Mar. 1.
Refrigerator. R. T. Smith. 1,886,601; Nov. 8.
Refrigerator. J. C. Sinton. 1,840,612; Jan. 12.
Refrigerator. O. Strufe. 1,884,355; Oct. 25.
Refrigerator. C. M. Weinhelmer. 1,866,435; July 5.
Refrigerator. C. M. Weinhelmer. 1,880,536; Oct. 11.
Refrigerator. R. C. Wolfe. 1,875,539; Sept. 6.
Refrigerator apparatus. E. J. Abrens. 1,860,273; May 24.
Refrigerator assembly, Electric. H. E. Blood. 1,882,752; Oct. 18.
Refrigerator, Automatic continuous. M. D. Brock. 1,860,133; May 24.
Refrigerator barrel. W. J. Murray. 1,847,254; Mar. 1.
Refrigerator, Bottle. C. A. Frick. 1,862,395; June 7.
Refrigerator, Bottle. C. A. Frick and R. E. Baker. 1,872,031; Aug. 16.
Refrigerator, Bottle dispensing. C. A. Frick. 1,841,943; Jan. 19.
Refrigerator, Bottle dispensing. C. A. Frick and R. E. Baker. 1,872,032; Aug. 16.
Refrigerator cabinet construction. H. D. Geyer. 1,853,044; Apr. 12.
Refrigerator casing. R. T. Frazier. Des. 86,450; Mar. 8.
Refrigerator chamber, particularly railway refrigerator van. E. G. Rowledge. 1,855,089; Apr. 26.
Refrigerator construction. P. R. Heygel. 1,882,011; Oct. 11.
Refrigerator construction. H. Kuckel. 1,861,123; May 31.
Refrigerator control. E. C. Raney. 1,877,967; Sept. 20.
Refrigerator cooling structure. W. H. Percival. 1,861,875; June 7.
Refrigerator, Display. C. A. Frick and R. E. Baker. 1,871,784; Aug. 16.
Refrigerator equipment. E. A. Hamburg. 1,890,461; Dec 13.
Refrigerator frame. G. C. Bohn. 1,875,843; Sept. 6.
Refrigerator, Iceless. L. Campbell, jr. 1,868,882; July 26.
Refrigerator, Liquid and air circulating. C. H. Huston. 1,880,093; Sept. 27.
Refrigerator, Mechanical. M. Davis. 1,877,390; Sept. 13.
Refrigerator, Mechanical. H. B. Hull. 1,883,919; Oct. 25.
Refrigerator of cold brine shower system. Z. Ogura. 1,887,463; Nov. 8.
Refrigerator of the absorption type. A. Silbernagel. 1,868,434; July 19.
Refrigerator, Outdoor. J. R. Gran. 1,851,901; Mar. 29.
Refrigerator plant. E. G. Rowledge. 1,844,822; Feb. 9.
Refrigerator, Portable. J. Kosmerl. 1,883,961; Oct. 25.
Refrigerator, Show-case. T. A. Jostedt. 1,865,761; July 5.
Refrigerator, Show case. L. U. Larkin. 1,852,661; Apr. 5.
Refrigerator, Showcase. V. P. Warren. 1,856,008; Apr. 26.
Refrigerator, Soda fountain. M. A. Rosenthal. Des. 87,242; June 21.
Refrigerator system and apparatus. A. J. Kercher. 1,882,220; Oct. 11.
Refrigerator table. N. W. Tibbot. 1,840,645; Jan. 12.
Refrigerator unit. A. E. Brown. 1,884,759; Oct. 18.
Refrigerator unit. J. R. Replogle. 1,891,728; Dec. 20.
Refrigerator unit for railroad cars. J. M. Le Mieux. 1,851,142; Apr. 26.
Refrigerator, Varied temperature. F. A. Berlin. 1,862,252; June 7.
Refrigerator, Water cooled. E. R. Doepke. 1,890,110; Dec 6.
Refueling equipment. B. H. Shinn. 1,866,942; July 12.
Refuse separator. J. D. Brown. 1,878,753; Sept. 20.
Refuse, such as garbage, Collecting, transporting, and dumping. A. R. Von Keller. 1,845,369; Feb. 16.
Regenerative furnace. L. C. Edgar. 1,853,409; Apr. 12.
Regenerative siemens-Martin furnaces. F. Fiorelli. 1,885,704; Nov. 1.
Regenerator system. C. P. Byrnes. 1,844,867; Feb. 9.
Register; *See—*
- Adding and subtracting register.
- Autographic desk register.
- Autographic register.
- Cash register.
- Credit register.
- Golf score register.
- Meter register.
- Selecting register.
- Telephone register.
- Warm air register.

Register. H. A. Foothorap. Re18,674; Nov. 29.
Register. J. A. Henry and J. H. Yancey. 1,865,518; July 5.
Register. T. O'Connor. 1,875,117; Aug. 30.
Register. C. J. Phare. 1,869,022; July 26.
Register. W. F. Steenweg. 1,878,014; Sept. 20.
Register. B. H. Tingley. 1,853,751; Apr. 12.
Register. A. S. Wheelbarger. 1,853,792; Apr. 12.
Register. A. S. Wheelbarger and P. Kell. 1,876,119; Sept. 6.
Register appliance. T. Olinger. 1,844,520; Feb. 9.
Register for cold and hot air ducts. J. A. Thomas. 1,855,532; Apr. 26.
Register for gasoline storage tanks. W. E. Logan, jr., and E. M. Carlisle. 1,848,789; Mar. 8.
Register for heating plants. J. J. Burgess. 1,876,850; Sept. 13.
Register for liquid-dispensing apparatus. J. D. Lasater. 1,862,961; June 14.
Register interlocking mechanism. T. O'Connor. 1,875,116; Aug. 30.
Register of machine parts, Adjusting. H. B. Greenwood. 1,868,385; July 19.
Registering apparatus. W. Beusch. 1,841,003; Jan. 12.
Registering device. E. Anstorp. 1,846,174; Feb. 23.
Registering device. A. J. Jacobs. 1,863,184; May 24.
Registering device. K. S. Johnson. 1,850,078; Mar. 22.
Registering device. C. Messick and A. S. Langsdorf. 1,872,782; Aug. 23.
Registering mechanism. E. F. Britten, jr. 1,849,448; Mar. 15.
Reglet and flashing on roofings. M. E. Bever. 1,886,462; Nov. 8.
Regulating apparatus. P. C. Temple. 1,890,472; Dec. 13.
Regulating apparatus for steam heating systems. E. C. Wiley. 1,868,555; July 26.
Regulating arrangement for prime movers. R. Dietze. 1,869,134; July 26.
Regulating, controlling, and switching means for electrical train lighting and like installations, Automatic. A. E. Honey. 1,892,617; Dec. 27.
Regulating device for elastic fluid turbines. O. A. Wiberg and G. Arnö. 1,884,041; Feb. 23.
Regulating device, Lockable. W. Barr. 1,890,896; Dec. 13.
Regulating means for electric induction furnaces. L. Dreyfus. 1,845,910; Feb. 16.
Regulating mechanism. O. N. Bryant. 1,889,535; Nov. 29.
Regulating system. L. L. Cunningham. Re18,503; June 21.
Regulating system. E. Gran. 1,873,641; Aug. 23.
Regulating system. L. W. Thompson. 1,849,813; Mar. 15.
Regulating system. L. W. Thompson and M. Zucker. 1,846,923; Feb. 23.
Regulating system for high capacity boilers. W. L. Bellaire. 1,887,147; Nov. 8.
Regulating system for hydraulic turbines. L. F. Moody. 1,872,165; Aug. 16.
Regulating system for low pressure steam generation. C. J. Smoot. 1,873,005; Sept. 20.
Regulation, Multiple flow. G. K. O'Connor. 1,886,575; Nov. 8.
Regulation of pressure in the coking chambers of coke ovens, Apparatus for the. C. Otto. 1,847,098; Mar. 1.
Regulator; *See—*
- Air regulator.
- Automatic regulator.
- Brake regulator.
- Circuit regulator.
- Compression regulator.
- Compressor regulator.
- Damper regulator.
- Draft regulator.
- Electric regulator.
- Electrical regulator.
- Feed water regulator.
- Fuel regulator.
- Furnace pressure regulator.
- Furnace regulator.
- Gas regulator.
- Generator regulator.
- Grid glow tube regulator.
- Heat regulator.
- Ink supplying regulator.
- Lamp ray regulator.
- Level regulator.
- Liquid-level regulator.
- Multiple flow regulator.
- Oil temperature regulator.
- Oven heat regulator.
- Oven regulator.
- Paper stock regulator.
- Pool level regulator.
- Pressure regulator.
- Pump regulator.
- Seat regulator.
- Speed regulator.
- Steam regulator.
- Steam temperature regulator.
- Temperature or pressure regulator.
- Temperature regulator.
- Transmission regulator.
- Two stage regulator.
- Vacuum regulator.
- Vapor regulator.
- Voltage regulator.
- Water regulator.
- Water supply regulator.
- Window regulator.
- Windshield regulator.

Regulator. W. W. Carson, jr. 1,870,895; Aug. 9.
Regulator. L. R. Harness and S. A. Bokovoy. 1,858,271; May 17.
Regulator. K. H. Hubbard. 1,849,761; Mar. 15.
Regulator. J. M. Larson. 1,848,087; Mar. 1.
Regulator. G. W. McKee. 1,885,851; Nov. 1.
Regulator. H. B. Morrill. 1,841,665; Jan. 19.
Regulator. R. E. Newell. 1,868,116; July 19.
Regulator. W. R Paulsen. 1,870,264; Aug 9.
Regulator. L. M. Persons. 1,874,710; Aug. 30.
Regulator. C. H. Smoot. 1,860,821; May 31.
Regulator. J. H. Sole. 1,860,556; May 31.
Regulator apparatus, Automatic. A. T. Dudley. 1,853,263; Apr. 12.
Regulator device. W. F. Conran. 1,862,111; June 7.
Regulator for adjusting the pitch of propeller blades while in motion. L. H. Coolidge. 1,879,659; Sept. 27.

Regulator for alternating current apparatus, Voltage. J. I. Cornell, 1,847,865; Mar. 1.
Regulator for amplifiers. O. M. G. de l'Harpe, 1,854,294; Apr. 19.
Regulator for boilers and the like, Feed water. M. Ehlinger. 1,890,575; Dec. 13.
Regulator for corn sheller feeders. E. Frisell and W. W. Fox. 1,849,484; Mar. 15.
Regulator for drawing presses, Gravity actuated tension. F. A. Schaefer. 1,858,463; May 17.
Regulator for furnaces, stoves, water heaters, and the like, Heat and draft. M. Greenberg. 1,856,478; May 3.
Regulator for gas-heated steam radiators. O. J. Kuenbold. 1,867,849; July 19.
Regulator for gas stoves, Heat. S. S. Baker. 1,875,548; Sept. 6.
Regulator for hot water heating systems, Pressure. P. F. Shivers. 1,875,509; Sept. 6.
Regulator for pumping plants, Automatic. W. M. Shallcross. 1,851,622; Mar. 29.
Regulator for radio transmitters, Voltage. R. L. Davis. 1,839,869; Jan. 5.
Regulator for rotary compressors, Cooling water. J. Mattmann. 1,877,345; Sept. 13.
Regulator for the gas supply. F. W. Stockmeyer. 1,854,349; Oct. 25.
Regulator for use in connection with boilers or the like, Water level expansion. M. Ehlinger. 1,887,084; Nov. 8.
Regulator having a sylphon, Closure, Pressure. G. G. Spencer. 1,849,772; Mar. 15.
Regulator, Motor speed. W. C. Woodson, jr. 1,884,951; Oct. 25.
Regulator, Pressure. F. B. Stover. 1,885,639; Nov. 1.
Regulator system. F. H. Gulliksen. 1,841,117; Jan. 12.
Regulator system. R. A. Heisleman. 1,863,392; June 14.
Regulator system. H. C. Nycum. 1,841,145; Jan. 12.
Regulator system. H. C. Nycum and J. H. Asbbaugh. 1,865,949; July 5.
Regulators. E. R. Wolfert. 1,852,551; Apr. 5.
Regulators, Manufacture of window. B. S. Floraday. 1,842,520; Jan. 26.
Reheating furnace. A. Sprenger. 1,848,231; Mar. 8.
Reheating in a power plant, System of. K. Baumann. 1,889,307; Nov. 29.
Relighting device for gas stoves. C. F. Conover. 1,850,866; Mar. 22.
Reinforcement for concrete and the like. M. C. Shelton. 1,878,287; Sept. 20.
Reinforcing means for the rims of openings in metal containers. K. W. Mauser. 1,888,877; Nov. 22.
Reinking device for typewriter ribbons. M. E. Stephenson. 1,846,498; Feb. 23.
Relay. H. M. Bascom. 1,868,559; July 26.
Relay. A. Blondel. 1,851,574; Mar. 22.
Relay. J. H. Derby and H. G. Leach. 1,863,836; June 21.
Relay. J. Erickson. 1,886,474; Nov. 8.
Relay. F. S. Field. 1,870,865; Aug. 9.
Relay. J. R. Fry. 1,881,460; Oct. 11.
Relay. R. C. Leake. 1,852,423; Apr. 5.
Relay. H. T. Pierce. 1,870,865; Aug. 9.
Relay and circuits therefor, Thermionic. H. F. Breckel. 1,883,520; Oct. 18.
Relay and control system, Antenna. L. A. Gebhard. 1,884,655; Oct. 25.
Relay and cut-out, Thermal. G. W. O'Keefe. 1,886,356; Nov. 8.
Relay, Centrifugal. R. F. Nagle. 1,842,560; Jan. 26.
Relay contact. K. M. Lederer. 1,879,349; Sept. 27.
Relay device for automatic control by the use of a fluid under pressure. R. De Lanquetin. 1,857,366; May 10.
Relay, Direct current. L. C. Freeman. 1,847,339; Mar. 1.
Relay, Direct current time-element accelerating. W. F. Eames. 1,851,757; Mar. 29.
Relay, Distance. L. N. Crichton. 1,839,467; Jan. 5.
Relay, Double coil inductor. W. F. Eames. 1,870,840; Aug. 9.
Relay, Electric protective. H. Leben. 1,869,222; July 26.
Relay, Electrical. F. N. Bossart. 1,856,372; May 3.
Relay, Electrical. J. E. Funk. 1,845,494; Feb. 16.
Relay, Electrical. A. B. Herrick. 1,848,480; Mar. 8.
Relay, Electrical. T. Thomson. 1,841,816; Jan 19.
Relay, Electrical. J. W. Livingston. 1,844,169; Feb. 9.
Relay, Electrical. B. E. O'Hagan. 1,858,966; May 17.
Relay, Electrical. S. E. Osborne. 1,877,480; Sept. 13.
Relay, Electrical. N. C. Shaw. 1,887,247; Nov. 8.
Relay, Electrical. P. P. Sosinski. 1,884,326; Oct. 25.
Relay, Electromagnetic. J. Erickson. 1,883,773; Oct. 18.
Relay, Electromagnetic. H. Schedbauer. 1,858,962; May 17.
Relay, Electromagnetic. H. B. Taylor. 1,877,619; Sept. 13.
Relay element, High-speed directional. S. L. Goldsborough. 1,877,454; Sept. 13.
Relay, Flashover. W. V. Johnson and M. R. Feldmann. 1,852,614; Apr. 5.
Relay for distant control. E. Granat. 1,883,783; Oct. 18.
Relay for reverse current braking devices, Disconnecting. G. H. Whittingham. 1,869,034; July 26.
Relay, Frequency. V. Sterner. 1,887,189; Nov. 8.
Relay, Frequency-responsive crystal. A. M. Skellett and V. K. Zworykin. 1,869,829; Aug. 2.
Relay, High speed single current. R. J. Wise. 1,845,992; Feb. 16.
Relay, Impedance. H. T. Heitman. 1,845,269; Feb. 16.
Relay instrument. L. J. Stremeeff. 1,869,096; July 26.
Relay instrument. E. S. Maris. 1,869,109; July 26.
Relay, Mechanical. C. I. Hall. 1,883,735; Oct. 18.
Relay, Mechanical. R. D. Salmon. 1,855,204; Apr. 26.
Relay, Mechanically actuated vibrating. R. D. Salmon and H. Clifford. 1,879,523; Sept. 27.
Relay mechanism. H. S. Padmore. 1,863,694; June 21.
Relay, Multicontact. G. F. Daly. 1,839,377; Jan. 5.
Relay, No-load. C. H. Rippl. 1,867,280; July 12.
Relay, Notching. J. A. Clarke, jr. 1,873,377; Aug. 16.
Relay, Overload. S. L. Goldsborough. 1,871,787; Aug. 16.
Relay, Overload. G. O. Wilms. 1,844,491–2; Feb. 9.
Relay, Photoelectric. F. Michelssen. 1,870,017; Aug. 2.
Relay, Polar. J. W. Milnor, E. A. Demonet, and F. B. Brambull. 1,848,022; Mar. 1, 1876,662; Sept. 20.
Relay, Polarized. J. D. Durkee. 1,888,427; Nov. 22.
Relay, Polarized. F. C. Larson. 1,852,210; Apr. 5.
Relay, Protective. J. Slocelin. 1,873,986; Aug. 30.
Relay, Resistance dependent selective. S. Rump. 1,875,313; Aug. 30.
Relay selector, Polarity responsive neutral. G. DeCroce. 1,871,669; Aug. 16.
Relay, Slow acting. F. H. Hibbard. 1,841,120; Jan. 12.
Relay system. J. V. Bell. 1,876,662; Sept. 20.
Relay system, Protective. S. Sunafi. 1,886,985–6; Nov. 8.
Relay, Thermal. E. Bletz. 1,873,271; Aug. 23.
Relay, Thermal. W. M. Ellingson. 1,871,262; Aug. 9.
Relay, Thermal. C. H. Hodgkins. 1,870,176; Aug. 2.
Relay, Thermal. G. W. O'Keeffe. 1,886,354; Nov. 1.
Relay, Thermal. L. J. Weber. 1,854,007; Apr. 12.
Relay, Thermo. C. H. Chapman and G. R. Townsend. 1,842,958; Jan. 26.
Relay, Time-limit. E. Baumberger and E. Heusser. 1,891,135; Dec. 13.
Relay, Trolley barp control of current selective. M. W. Cone. 1,852,142; Apr. 5.
Relay, Unpolarized electromagnetic. R. Hofgaard. 1,876,295; Sept. 6.
Relay with two auxiliary phase windings counteracting each other, Electric induction. W. H. Petersen. 1,848,270; Mar. 8.
Relaying system. H. Friedländer. 1,888,718; Nov. 22.
Release and brake for fire resisting curtains. A. Rush. 1,842,123; Jan. 19.
Release attachment for sliding grain cut-offs, Automatic. H. R. Simmons. 1,842,919; Jan. 26.
Release coupling, Quick. H. N. Johnston and J. T. Brown. 1,843,220; Feb. 2.
Release device. A. C. Rowley. 1,888,182; Nov. 15.
Release device for carbon dioxide fire systems, Quick acting. A. C. Rowley. 1,874,356; Aug. 30.
Release device for drive mechanism for bake ovens. A. H. Rancke. 1,879,486; Sept. 27.
Release device for fire escape doors. R. W. Downes. 1,883,626; Oct. 18.
Release device, Quick. T. H. Thomas. 1,879,643; Sept. 27.
Release for aerial flares. E. B. Jones. 1,871,375; Aug. 9.
Release for crusher bowls, Yielding. E. B. Symons. 1,873,671; Aug. 23.
Release mechanism for windows, Explosion. H. T. Walton. 1,887,484; Nov. 8.
Release, Overload. M. H. Dumerell. 1,858,074; May 10.
Releasing device. M. H. Sadler. 1,875,322; Aug. 6.
Releasing objects to be dropped from aircraft. E. Deubel. 1,891,635; Dec. 20.
Relief device. J. A. Maynard. 1,881,808; Oct. 11.
Reliefs and of colored pictures, Production of. P. Bon. 1,888,344; Nov. 22.
Relishing machine. D. B. Mackenzie. 1,853,441; Apr. 12.
Remedy for hemorrhoids. G. Zografphos. 1,890,506; Dec. 13.
Reminder. C. E. Carlson. 1,843,203; Feb. 2.
Reminder, Automatic. L. Y. Lassiter. 1,885,270; Nov. 1.
Remote control. S. Bertomeu. 1,880,693; Oct. 4.
Remote control apparatus. W. Aull, jr. 1,881,394; Oct. 4.
Remote control apparatus. A. E. L. Chorlton. 1,839,915; Jan. 5.
Remote control apparatus. C. A. DeGiers. 1,881,266; Oct. 4.
Remote control apparatus. C. B. Mirick. 1,879,629; Sept. 27.
Remote control apparatus. D. W. Reddy. 1,865,389; June 28.
Remote control device. F. Van Voorhis, jr. 1,883,163; Oct. 18.
Remote control for radiorecelvers. B. Washington and W. Aull, jr. 1,881,391; Oct. 4.
Remote control for radio tuning devices. L. H. Morin. 1,856,781; May 3.
Remote control lock. E. E. Heintz and T. P. Archer, 1,870,565; Aug. 9.
Remote control means. W. K. Howe. 1,852,575; Apr. 5.
Remote control mechanism. E. J. Vallen. 1,884,401; Oct. 25.
Remote control of three-phase motors. H. Gast. 1,879,176; Sept. 27.
Remote control selective mechanism. I. Nachumsohn. 1,863,411; June 14.

Remote control switch. F. J. Sorell. 1,844,807; Feb. 9.
Remote control system. H. E. Allen. 1,867,395; July 12.
Remote control system. C. Antoniono. 1,877,635; Sept. 13.
Remote control system. H. B. Arnold. 1,890,488; Dec. 13.
Remote control system. A. H. Bellveau. 1,872,647; Aug. 23.
Remote control system. H. R. Crago. 1,869,185; July 26.
Remote control system. J. C. Field. 1,863,089; June 14.
Remote control system. H. E. Hershey. 1,888,267–8; Nov. 22.
Remote control system. M. L. Nelson. 1,845,321; Feb. 16.
Remote control system. M. L. Nelson. 1,888,320; Nov. 22.
Remote control system. M. J. Sammer. 1,844,685; Feb. 9.
Remote control system. P. F. Shuey. 1,862,123; June 7.
Remote control system for electric motors. P. B. Harwood. 1,848,251; Mar. 8.
Remote volume control for radiorecievers. A. S. Blattermann. 1,856,310; May 3.
Remote volume control. F. Schiff. 1,851,133; Mar. 29.
Removable handle. T. S. Hutchison. 1,862,680; June 14.
Removable screen. H. Gelfand. 1,883,687; Oct. 18.
Rendering method. G. McGilton. 1,854,270; Apr. 19.
Renovating device. O. Widders and J. K. Bayless. 1,867,640; July 19.
Repair machine, Portable. H. Spencer and F. Davis. 1,841,805; Jan. 12.
Repairs in rubber tires, Apparatus for vulcanizing. J. C. Heinz. 1,844,005; Feb. 9.
Repeat and normalizing switch, Automatic. W. W. Lasker. 1,883,986; Oct. 25.
Repeater. F. Lubberger and G. Rothert. 1,843,137; Feb. 2.
Repeater, Single line. F. G. Halldeu. 1,868,705–6; July 20.
Repeater system. R. V. Morgenstern. 1,853,005; Apr. 5.
Repeating system and apparatus. E. E. Kleinschmidt. 1,853,744; Oct. 11.
Repellant and insecticidal composition and producing the same, Rodent. H. T. Bottrell. 1,871,949; Aug. 16.
Repetitive-process indicator apparatus. C. F. Schnuck and G. W. Kuntney. 1,878,716; Sept. 20.
Representations, Process and apparatus for the production of multicolored. L. Rado. 1,850,834; Mar. 22.
Repress machine, Portable. W. F. French. 1,879,166; Sept. 27.
Reproducer. L. L. Jones. 1,839,968; Jan. 5.
Reproducer for sound films. E. Gerlach. 1,877,844; Sept. 20.
Reproducer, Sound. E. J. Quinby. 1,887,185; Nov. 8.
Reproducing machine. C. Krebs. 1,860,037; May 24.
Reproducing unit. P. G. Andres. 1,855,816; Apr. 26.
Rerailer. W. H. Rednour. 1,879,491; Sept. 27.
Re-railing device. G. E. Marable. 1,861,313; May 31.
Reroller for cigar machines. W. H. Schussler. 1,892,255; Dec. 27.
Resew networks. H. E. Jenkins. 1,840,778; Jan. 12.
Rescue apparatus. E. Stetler. 1,841,161; Jan. 12.
Rescue tank. H. E. Grieshaber. 1,853,898; Apr. 12.
Reservoir and burner, Combined liquid fuel. H. O. Berry and F. E. White. Des. 88,497; Dec. 6.
Reservoir, bowl, and support therefor, Combination liquid fuel. F. E. White, H. O. Berry, and W. T. Bradbury. Des. 88,594; Dec. 6.
Reservoir construction. E. E. Hewitt. 1,891,644; Dec. 20.
Reservoir, Cupola. C. F. Wells. 1,865,491; July 5.
Reservoir for organs. C. E. Grant. 1,846,861; Feb. 23.
Reservoir, Ground. C. J. Mouton. 1,841,661; Jan. 19.
Reservoir, Water. H. E. Blood. 1,867,135; July 12.
Residues from fruits and vegetables, Removal of spray. R. H. Robinson. 1,885,100; Oct. 25.
Resilient cushion. E. Begg. 1,867,987; July 19.
Resilient wheel. R. R. Hage. 1,850,204; Mar. 22.
Resilient wheel. M. Isaacson. F. E. Loudy and F. R. Busseliere. 1,866,652; July 12.
Resilient wheel. F. L. Moreno and R. G. Vera. 1,851,640; Mar. 29.
Resilient wheel. J. Pavlecka. 1,848,745; Mar. 8.
Resilient wheel. N. Veltri. 1,862,288; June 7.
Resilient wheel. W. E. Weaver. 1,858,723; May 17.
Resilient wheel. W. E. Weaver. 1,874,396; Aug. 30.
Resin. A. O. Jaeger and J. A. Bertsch. 1,853,565; Apr. 12.
Resin acid ester and method of producing. I. W. Humphrey. 1,843,284; Feb. 2.
Resin acid esters, Producing. A. C. Johnston. 1,840,395; Jan. 12.
Resin and making same, Improved carbohydrate-phenol. J. V. Meigs. 1,877,417; Sept. 13.
Resin and making same, Synthetic. C. Ellis. 1,846,853; Feb. 23.
Resin and making same, Synthetic. W. H. Moss. 1,848,644; Mar. 8.
Resin and making same, Synthetic. E. E. Novotny and C. J. Romieux. 1,856,353; Nov. 1.
Resin and making same, Synthetic. F. Vacher. 1,873,799; Aug. 23.
Resin and making, Synthetic. C. G. Moore and M. Zucker. 1,867,583; July 19.
Resin and making the same, Artificial. H. Goldschmidt and O. Neuss. 1,844,570–1; Feb. 9.
Resin and making the same, Synthetic. R. H. Kienle. 1,878,527; Sept. 20.
Resin and making the same, Synthetic. W. H. Moss. 1,849,107; Mar. 15.
Resin and making the same, Synthetic. W. H. Moss. 1,873,840; Aug. 23.
Resin and making the same, Synthetic. W. H. Moss. 1,878,249; Sept. 20.
Resin and making the same, Synthetic. W. H. Moss and B. B. White. 1,840,596–7; Jan. 12.
Resin and making the same, Synthetic. W. H. Moss and B. B. White. 1,873,348; Aug. 23.
Resin and making the same, Synthetic. E. E. Novotny. 1,849,109; Mar. 15.
Resin and producing the same, Diphenyl. R. L. Jenkins and J. A. Sikarski. 1,892,400; Dec. 27.
Resin and wax and the like from coal, Making artificial. E. Rahmann. 1,853,699; Apr. 12.
Resin coating material, Synthetic. J. M. Taylor. 1,848,913; Mar. 8.
Resin composition and preparation. L. V. Adams. 1,849,317; Mar. 15.
Resin composition suitable for the production of films. H. A. Gardner. 1,887,678; Nov. 15.
Resin esters and producing, Hydrogenated. I. W. Humphrey. 1,877,179; Sept. 13.
Resin from residual oil, Recovery of. S. Caplan. 1,865,448; July 19.
Resin from residual oils, Precipitation of. M. R. Bhagwat. 1,873,105; Aug. 23.
Resin, Noncrystalline highly chlorinated. R. L. Jenkins. 1,892,398; Dec. 27.
Resin, Polyhydric alcohol-polybasic acid synthetic. D. R. Mac. 1,852,178; Apr. 5.
Resin product of low acidity and making same, Synthetic. C. Ellis. 1,843,870; Feb. 2.
Resin, Synthetic. A. O. Jaeger. 1,860,098; May 24.
Resin, Synthetic. A. O. Jaeger. 1,864,909; June 28.
Resin, Synthetic. L. Rosenthal. 1,863,881; June 21.
Resin, Treating Batavian damar. J. Scheiber, K. Sändig, and A. B. Blumer. 1,857,609; May 10.
Resinates, Producing water-soluble. E. H. French. 1,889,405; Nov. 29.
Resinous composition and making same. R. Hill and E. E. Walker. 1,877,130; Sept. 13.
Resinous compositions, Making. E. S. Dawson, jr. 1,888,849; Nov. 22.
Resinous condensation product. R. H. Kienle. 1,889,923; Dec. 6.
Resinous material from plant tissue, Extracting. L. N. Bent. 1,888,025; Nov. 15.
Resinous product and making same. J. V. Meigs. 1,868,216; July 19.
Resinous product and making same, Oxidized. C. Ellis. 1,872,568; Aug. 16.
Resinous product and making the same. J. V. Meigs. 1,851,014; Feb. 16.
Resinous products and making. E. J. Pieper. 1,847,783; Mar. 1.
Resinous products, Manufacture of. O. Schmidt and E. Meyer. 1,845,198; Feb. 16.
Resinous substances from wood, Apparatus for the extraction of. W. F. Wolf. 1,880,634; Oct. 4.
Resins and fatty acids in cellulose produced by means of sulphite digestion, Reducing the contents of. G. Haglund. 1,870,452; Aug. 9.
Resins and like materials, Cracking. H. N. Dauler. 1,878,267; Sept. 20.
Resins and making the same, Synthetic. C. G. Moore and M. Zucker. 1,867,584; July 19.
Resins and preparing same, Synthetic. E. Bielouss. 1,866,962; July 12.
Resins, Lacquering and impregnating with artificial. E. Elbel and F. Seebach. 1,880,930; Oct. 4.
Resins, Making. H. Goldschmidt and O. Neuss. 1,865,398; June 28.
Resins, Manufacture of artificial. E. C. Rossiter and W. C. Davis. 1,857,478; May 10.
Resins, New synthetic. L. Rosenthal. 1,857,333; May 10.
Resins or resin like bodies from cracked hydrocarbon products, Obtaining. A. Thurrell. 1,888,044; Nov. 15.
Resins, Preparing synthetic. W. F. Greenwald. 1,873,575; Aug. 23.
Resins, Producing clear transparent chlorinated diaryl. R. L. Jenkins and J. A. Sikarski. 1,892,399; Dec. 27.
Resins, Producing phthalic anhydride. M. M. Amieva, jr. 1,873,408; Sept. 6.
Resins, Production of artificial. W. Pungs, K. Eisenmann, and J. Kuchenbuch. 1,889,791; Dec. 6.
Resins, Purifying. A. F. Oliver and R. C. Palmer. 1,881,893; Oct. 11.
Resins, Rapid drying synthetic. C. Ellis. 1,892,425; Dec. 27.
Resins, Synthetic. W. C. Arsem. 1,860,164; May 24.
Resins, Synthetic. L. Rosenthal. 1,860,479; May 31.
Resins, Synthetic. L. Rosenthal. 1,863,814; June 21.
Resistance. J. A. Flanzer and E. Reisman. 1,881,445; Oct. 11.
Resistance device. H. E. Kranz. 1,841,332; Jan. 12.
Resistance device. S. Ruben. 1,859,344; May 24.
Resistance device. S. Ruben. 1,877,482; Sept. 13.
Resistance device and insulator. C. O. Terwilliger. 1,842,433; Jan. 26.

Resistance device, Frictional. J. H. Staley. 1,868,262; July 19.
Resistance element. H. E. Campbell. 1,861,434; June 7.
Resistance element for hydrocarbon cracking processes. R. Carter. 1,860,322; May 24.
Resistance eliminator for aircraft and water craft. E. Johnson. Re18,534; July 19.
Resistance eliminator for aircraft and water craft. E. Johnson. 1,857,960; May 10.
Resistance measuring apparatus. C. A. Anderson. 1,877,216; Sept. 13.
Resistance unit. F. H. Bullinger. 1,892,202; Dec. 27.
Resistance unit. N. J. Conrad. 1,858,483; May 17.
Resistance unit. A. Hall. 1,876,921; Sept. 13.
Resistance unit. D. O. Whelan. 1,889,618; Nov. 29.
Resistance units, Manufacture of. J. A. Flanzer. 1,881,444; Oct. 11.
Resistance units, Manufacture of. L. L. Jones and J. A. Flanzer. 1,847,653; Mar. 1.
Resistor. G. B. Crouse. 1,880,239; Oct. 4.
Resistor. J. A. Flanzer. 1,881,446; Oct. 11.
Resistor. C. A. Nickle. 1,847,888; Mar. 1.
Resistor material and making the same. A. H. Haroldson. 1,872,581; Aug. 16.
Resistor unit. H. L. Bradley. 1,864,336; June 21.
Resistor unit. G. E. Megow. 1,877,352; Sept. 13.
Resistor unit and forming same. L. Bradley. 1,845,828; Feb. 16.
Resistor unit and forming the same. L. E. Power. 1,851,811; Feb. 16.
Resistors, Making thermosensitive. L. O. Grondahl. 1,862,014; June 7.
Resonant mechanism. W. Koenig. 1,869,565; Aug. 2.
Resonator. R. F. Beers. 1,848,041; Mar. 1.
Resonator construction. E. C. Horton and H. Huever. 1,881,554; Jan. 10.
Resonator, Piezo-electric. W. A. Marrison. 1,869,160; July 26.
Respiration apparatus, Resuscitation and artificial. R. B. Swope and J. Kreiselman. 1,848,232; Mar. 8.
Respirator. E. Koch. 1,843,032; Jan. 26.
Respirator. K. Michels. 1,842,994; Jan. 26.
Rest for seats, Collapsible arm. A. B. Bell. 1,879,035; Sept. 27.
Rest mechanism, Steady. W. Peaslee. 1,875,486; Sept. 6.
Restraint service system. J. F. Daschner. 1,856,058; Apr. 26.
Resurfacing machine. C. M. Spear and J. C. Ellington. 1,855,855; Apr. 26.
Resuscitation apparatus. R. B. Swope and J. Kreiselman. 1,848,234; Mar. 8.
Retainer. G. E. Greenwood. 1,851,356; Mar 29.
Retainer and curtain, Combined. J. Ritter, jr. 1,844,335; Feb. 9.
Retainer for ball bearings. T. L. Robinson. 1,857,823; May 10.
Retainer or separator for antifriction bearings. F. G. Hughes and C. B. Simmons. 1,888,834; Nov. 22.
Retaining clip. J. W. Pearce. 1,847,260; Mar. 1.
Retaining device. D. S. Barrows. 1,884,519; Oct. 25.
Retaining device. H. T. Casey and C. P. Noser. 1,884,564; Oct. 25.
Retaining device for removable vehicle seat cushions. A. J. Dinkel. 1,865,175; June 28.
Retaining mechanism. F. C. Eastman. 1,882,068; Oct. 11.
Retard device. H. A. Perry. 1,889,802; Dec. 6.
Retarding chamber. W. K. Hodgman, jr. 1,882,843; Oct. 18.
Retarding mechanism. R. S. Sanford. 1,865,591; July 5.
Retene, Preparing. C. O. Henke and G. Etzel. 1,881,565; Oct. 11.
Retort. E. Clifton and W. J. Cooper. 1,867,877; July 19.
Retort. I. H. Derby. 1,870,901; Aug. 9.
Retort. D. D. Shelton. 1,839,443; Jan. 5.
Retort. J. N. Vandescrift. 1,857,171; May 10.
Retort. J. H. Vickers. 1,881,153; Oct. 4.
Retort. F. C. Whyte. 1,878,307; Sept. 20.
Retort for mineral oils. J. L. Taylor and J. F. Taple. 1,876,789; Sept. 13.
Retort for the distillation of coal and other solid carbonaceous substances. F. H. Parker. 1,869,591; May 31.
Retort furnace. A. Musso. 1,841,625–6; Jan. 19.
Retort furnace, Ore oxidizing muffled. H. S. Bailey. 1,884,510; Oct. 25.
Retort furnace, Rotary. F. J. Condit and E. L. Smalley. 1,859,381; May 24.
Retort, Gas. F. K. Ziegler. 1,851,029; Mar. 29.
Retort, Process. A. L. Taylor. 1,874,833; Aug. 30.
Retort structure, Vertical. J. Van Ackeron. 1,847,199; Mar. 1.
Retort with revolving hearths. C. Ab-der-Halden. 1,878,581; Sept. 20.
Retorts, Apparatus for charging. C. Mintner. 1,887,034; Nov. 8.
Retorts, Apparatus for charging of coking. J. Becker. 1,841,000; Jan. 12.
Retractor, Circular. H. R. Arnold. 1,839,726; Jan. 5.
Return bend. D. G. Brandt. 1,853,012; Apr. 5.
Return bend. M. B. Crowe. 1,841,574; Jan. 19.
Return bend. F. C. Pantz. 1,841,577; Jan. 19.
Return bends, Manufacturing. T. Collins. 1,856,539; May 3.
Return current drier. A. W. Lissauer and J. R. Coffey. 1,853,691; Apr. 12.
Reverberatory furnace. W. F. Siklenar and A. H. Ronan. 1,875,169; Aug. 30.
Reverse brake. C. A. Matson. Des. 18,693; Dec. 20.
Reverse brake. C. A. Matson. 1,870,686; Aug. 9.
Reverse brake, Automatic. C. A. Matson. Re18,377; Mar. 8.
Reverse motion brake, Self-engaging. H. T. Cottrell. 1,863,556; June 21.
Reverse movement of a clutch-controlled shaft, Effecting a. D. Jones. 1,860,148; May 24.
Reversing mechanism. J. C. Wattleworth. 1,880,554; Oct. 4.
Reversing mechanism. C. S. Wright. 1,847,912; Mar. 1.
Revetment mat. M. M. Upson. 1,847,852; Mar. 1.
Revolver. F. T. Moore. 1,860,112; May 24.
Revolver. D. B. Wesson. 1,848,682; Mar. 8.
Revolver loader, Rapid. T. A. Milmore. 1,891,437; Dec. 20.
Revolving plant rack. L. Lemert. 1,885,117; Nov. 1.
Rheostat. H. L. Bradley. 1,869,538; Aug. 2.
Rheostat. F. H. Bullinger. 1,886,080; Nov. 1.
Rheostat. O. W. Greene. 1,891,410; Dec. 20.
Rheostat. R. P. Mattern. 1,877,926; Sept. 20.
Rheostat. H. P. Sachse. Re18,521; July 12.
Rheostat. H. P. Sachse. 1,839,843; Jan. 5.
Rheostat, Variable. R. B. Planche. 1,885,373; Nov. 1.
Rheostat winding machine. C. Havlish. 1,887,808; Nov. 15.
Rhythms and beats, Method and apparatus for sounding selective. W. O. Miessner. 1,887,857; Nov. 15.
Rib knitting machine, Circular. J. Sirmay. 1,875,826; Sept. 6.
Ribbon feed mechanism. A. E. Collins. 1,852,801; Apr. 5.
Ribbon feed mechanism. C. Hall. 1,848,494; Mar. 8.
Ribbon for supporting the button of garters. W. Vorwerk. 1,847,580; Mar. 1.
Ribbon pack. A. J. Harris. 1,868,601; July 26.
Ribbon reel. S. Lachman and E. Fulda. 1,885,734; Nov. 1.
Ribbon reverse, Automatic. A. Utz. 1,848,508; Mar. 8.
Ribbon transfer machine. A. R. Zachert. 1,890,243; Dec. 6.
Ribbon vibrating mechanism. M. Garbell. 1,841,105; Jan. 12.
Ribbons, Apparatus for inking endless. B. Paradise. 1,874,059; Aug. 30.
Ribbons, tapes, and other strips, Coating. S. M. Hansen. 1,871,790; Aug. 16.
Rice drier. M. H. Kingham. 1,860,101; May 24.
Rice, milling. P. J. Daz. 1,865,680; July 5.
Ricer, Potato. G. E. Stein. 1,885,873; Nov. 1.
Riddle. C. E. Urfer. 1,847,503; Mar. 1.
Riddle apparatus. H. W. Harding. 1,866,531; July 12.
Rifle. J. D. Pedersen. 1,866,722; July 12.
Rifle, Air. F. Mihalyi. 1,862,697–8; June 14.
Rifle, Air. E. S. Roe. 1,868,292; July 19.
Rifle, Air. A. Skindel. 1,857,068; May 3.
Rifle and charger thereto, Charger-loading. R. Frommer. 1,840,477; Jan. 12.
Rifle, Attachment to make a right-hand bolt rifle a left-hand bolt rifle, or a left-hand bolt rifle a right-hand bolt. H. E. Wale. 1,886,925; Nov. 8.
Rifle, Automatic. A. Revilli. 1,854,064; Apr. 12.
Rifle, Automatic. G. E. Lutton. 1,886,113; Nov. 1.
Rifle, Dummy. O. Stolz. 1,890,168; Dec. 6.
Rifle loading mechanism. R. F. Sedgley. 1,850,729; Mar. 22.
Rifle, One hand oil. C. L. Williams. 1,866,784; July 12.
Rifle rest. W. B. Teacraden. 1,890,423; Dec. 6.
Rifle, Semiautomatic. J. C. Garand. 1,892,141; Dec. 27.
Rifle support. H. T. Balmer. 1,883,465; Oct. 18.
Rifles, Attachment for bolt action. F. C. Watson. 1,850,776; June 23.
Rig for rotary drills. W. J. Mitchell. 1,867,020; July 12.
Rigging, Draft. D. S. Barrows. 1,884,515; Oct. 25.
Rigging, Draft. D. S. Barrows. 1,884,521; Oct. 25.
Rigging, Draft. D. S. Barrows and G. F. Couch. 1,884,518; Oct. 25.
Rigging, Draft. D. L. Townsend. 1,884,922; Oct. 25.
Rigging, Railway draft. J. F. O'Connor. 1,884,154; Oct. 25.
Rigidifying composition. B. N. Lougovoy. 1,884,015; Oct. 25.
Rim. W. S. Brink. 1,880,403; Oct. 4.
Rim. F. R. Klaus. 1,846,117; Feb. 23.
Rim and lug for traction wheels. J. J. Euken. 1,892,207; Dec. 27.
Rim and mount, Tire. S. I. Prescott. 1,859,936; May 24.
Rim assembly. A. W. Woodward. 1,875,402; Sept. 6.
Rim assembly, Demountable wheel. E. Mader. 1,849,464; Mar. 15.
Rim, Auto. H. Kunard. 1,890,515; Dec. 13.
Rim construction. E. A. Nelson. 1,880,974; Oct. 4.
Rim construction, Brake. D. S. Faulkner. 1,853,118; Apr. 12.
Rim, Demountable. A. Brown. 1,857,426; May 10.
Rim, Demountable. E. E. Campbell. 1,890,028; Dec. 6.
Rim, Demountable. L. J. Krebs. 1,876,963; Sept. 13.
Rim, Demountable wheel. F. W. Baker. 1,892,127; Dec. 27.

Rim for vehicle tires, Demountable. F. H. Robinson. 1,855,000; Apr. 19.
Rim, Laminated steering wheel. C. P. Nellis. 1,840,634; Jan. 12.
Rim lock. A. W. Woodward. 1,841,075; Jan. 12.
Rim lug nut lock. F. J. Grabbe. 1,884,992; Oct. 25.
Rim riveting machine. E. Board. 1,841,004; Jan. 12.
Rim rolling machine. T. F. Rainsford. 1,876,747; Sept. 13.
Rim rolling machine. C. L. Wiles. 1,841,073; Jan. 12.
Rim, Tire. A. L. Alberti. 1,887,984; Nov. 15.
Rim, Tire. E. A. Nelson. 1,861,238; May 31.
Rim, Tire carrying. W. N. Booth. 1,863,464; June 14.
Rim, Tire carrying. H. W. Franz, C. S. Holden, and H. H. Round. 1,881,638; Oct. 11.
Rim, Vehicle wheel. H. W. Kranz. 1,881,690; Oct. 11.
Rim, Vehicle wheel. A. W. Woodward. 1,846,240; Feb. 23.
Rim, Wheel. A. Centi. 1,860,308; May 24.
Rim, Wheel. F. W. Wilmot. 1,848,284; Mar. 8.
Rims, Cutting. F. R. Klaus. 1,846,118; Feb. 23.
Rims, Ornamenting. G. A. Lyon. 1,858,228; May 10.
Rind removing machine. G. W. Berry. 1,878,457; Sept 20.
Ring; *See*—

Air ring.	Packing and expansion ring.
Bead placing ring.	Piston packing ring.
Bead setting ring.	Piston ring.
Clamping ring.	Scarf ring.
Collapsible oil ring.	Seal ring.
Cup follower ring.	Sealing ring.
Curtain ring.	Sizing ring.
Finger ring.	Spinning ring.
Hinge ring.	Tapered piston ring.
Hog ring.	Weaving ring.
Joint ring.	Writer's ring.
Mud ring.	
Packing ring.	

Ring. L. Bock. Des. 86,591; Mar. 29.
Ring. B. F. Brogan. 1,863,617; June 21.
Ring. L. F. Powell. 1,864,351; June 21.
Ring. A. Sager. Des. 85,993–4; Jan. 12.
Ring. A. S. Samuels. Des. 87,445; July 26.
Ring. W. Wheeler. 1,859,159; May 17.
Ring about a body. Apparatus for contracting a. A. W. Phelps. 1,871,915; Aug. 16.
Ring, and constructing and fitting the same, Appearance. H. G. Kellogg. 1,855,023; Apr. 19.
Ring and making it, Sealing. J. M. Hothersall. 1,856,335; May 3.
Ring and oil trap therefor, Self-oiling spinning or twist ing. L. Jones. 1,842,271; Jan. 19.
Ring assembly and making same, Collector. G. R. Cherveniak. 1,870,236; Aug. 9.
Ring expander. J. N. White. 1,866,783; July 12.
Ring for conical cutters, Seal. H. T. Baggett and L. E. Gerdel. 1,870,362; Oct. 25.
Ring for hydrants, street lamp columns, metal or concrete posts, etc., Breakable. F. R. Banks. 1,883,467; Oct. 18.
Ring for splinning and doubling machines. C. F. Hofmann. 1,868,574; July 26.
Ring for spoked wheels, Ornamenting. L. B. Green. 1,878,441; Sept. 20.
Ring for urn bags. E. H. Sieling. 1,863,418; June 14.
Ring for wire-spoked wheels, Ornamental side. W. A. Clark. Re18,692; Dec. 20.
Ring fracturing machine. F. Mitchell. 1,874,786; Aug. 30.
Ring grinding machine. F. Deutsch. 1,878,116; Sept. 20.
Ring joint, Flanged. A. K. Sorensen. 1,855,494; Apr. 26.
Ring, Making a. B. F. Brogan. 1,863,618; June 21.
Rings on turbo-generator rotors, Fastening retaining. B. A. Rose. 1,890,340; Dec. 6.
Ring or band and making the same, Rubber. J. R. Gammeter. 1,841,407; Jan. 19.
Ring or similar article. G. Demay. Des. 87,206; June 21.
Ring or similar article. A. Slatis. Des. 87,280; June 28.
Ring spacer for matrix setting and type line casting machines. J. Dorneth. 1,870,717; Aug. 9.
Ring spinning and ring doubling machine having a movable spindle rail. H. O. Hess. 1,892,343; Dec. 27.
Ring spinning machine. F. Oertel. 1,862,030; June 7.
Ring splitting machine. F. Heursch. 1,880,575; Oct. 4.
Ring traveler. J. E. Hull. 1,846,725; Feb. 23.
Ring traveler. E. R. Jerome. 1,846,732; Feb. 23.
Ring winding machine. G. Tauchmann. 1,862,206; June 7.
Rings about a mandrel, Apparatus for closing and clamping split. E. A. Koether. 1,852,529; Apr. 5.
Rings, Apparatus for rough forging. V. F. Braun. 1,839,531; Jan. 5.
Rings, Device for removing finger. B. Wieg. 1,867,342; July 12.
Rings, Making bearing. J. A. Ganster. 1,854,897; Apr. 19.
Rings, Method and apparatus for forming. V. F. Braun. 1,839,530; Jan. 5.
Rings of rubber or the like, Method and apparatus for molding hollow. J. R. Foley. 1,851,505; Mar. 29.
Rings, Producing. A. W. Morton. 1,857,254; May 10.
Ripper for well casings. F. J. Spanz. 1,850,185; Mar. 22.
Rip saw machine, Traveling. S. Gardner, jr. 1,856,476; May 3.

Riser from a stereotype plate, Apparatus for separating the. H. C. Jordhoy. 1,881,647; Oct. 11.
Riser from a stereotype printing plate, Separating the. H. C. Jordhoy. 1,881,648; Oct. 11.
River banks, Protection of. O. A. Mechlin. 1,874,567; Aug. 30.
River revetment. C. E. Snyder. 1,873,496; Aug. 23.
Rivet. R. W. Sieffert. 1,864,377; June 21.
Rivet drilling machine. E. B. Stimpson. 1,870,429; Aug. 9.
Rivet drilling machine, Tubular. E. B. Stimpson. 1,870,391; Aug. 9.
Rivet gauge. W. M. Cronk. 1,860,174; May 24.
Rivet setting machine. A. R. Havener. 1,855,235; Apr. 26.
Rivet squeezer, Pneumatic. M. J. Chapman. 1,886,241; Nov. 1.
Riveted joint. C. W. Hall. 1,857,754; May 10.
Riveter. R. S. Osborne. 1,847,839; Mar. 1.
Riveter, Automatic. C. E. Corson and W. A. Wright. 1,858,001; May 10.
Riveter construction. J. C. Hanna. 1,875,448; Sept. 6.
Riveting, heading, etc., Apparatus for electric. E. E. Einfeldt. 1,874,942; Aug. 30.
Riveting holder-on. A. M. Antich. 1,872,215; Aug. 16.
Riveting machine. H. Elsner. 1,859,081; May 17.
Riveting machine. R. W. Glasner and F. J. Rode. 1,849,619; Mar. 15.
Riveting machine. A. R. Havener. 1,844,120; Feb. 9.
Riveting machine. J. W. Hughes. 1,878,520; Sept. 20.
Riveting machine. A. U. Kerns. 1,846,116; Feb. 23.
Riveting machine. E. W. Stevens. 1,843,935; Feb. 9.
Riveting machine. E. B. Stimpson. 1,839,901; Jan. 5.
Riveting machine, Duplex. A. R. Havener. 1,844,119; Feb. 9.
Riveting machine with anvil turntable, Duplex. A. R. Havener. 1,850,671; Mar. 22.
Riveting mechanism. B. W. Hinzl. 1,884,611; Oct. 25.
Rivets, Manufacture of. M. M. Cunnungham. 1,875,709; Sept. 6.
Rivet to position, Device to facilitate the driving of. H. B. Morgan. 1,857,389; May 10.
Roach trap. J. W. Crigler. 1,867,252; July 12.
Road and rail transport. A. H. O. Moucrieff and J. Sheaman. 1,863,575; June 21.
Roadbed equipment for railroads. A. Mariani. 1,876,253; Sept. 6.
Road building apparatus. J. M. Heltzel. 1,876,673; Sept. 13.
Road building structure, Concrete. J. N. Heltzel. 1,863,115; June 14.
Road chair. H. W. Nester. 1,863,581; June 21.
Road chair. C. H. Ribb. 1,867,096; July 12.
Road clearance device. E. Asopardi. 1,860,317; May 24.
Road composition. S. S. Sadtler. 1,868,221; July 19.
Road construction. D. McK. Hepburn. 1,885,200; Nov. 1.
Road construction, Penetration method of. E. C. Wallace. Re18,654; Nov. 15.
Road grading machine. A. W. French. 1,839,667; Jan. 5.
Road grading machine. J. E. Fridgen. 1,875,492; Sept. 6.
Road, Logging. A. A. Macleod. 1,888,004; Nov. 15.
Road machine. J. B. Jarmin. 1,890,649; Dec. 13.
Road machine. J. A. Machern. 1,865,328; June 28.
Road machine. A. Ronning and G. Ronning. 1,883,403; Oct. 18.
Road machine. W. A. Weikel. 1,869,446; Aug. 2.
Road machine attachment. A. Wegener. 1,875,534; Sept. 6.
Road machinery. C. L. Jordan. 1,844,124; Feb. 9.
Road maintainer. A. Ronning. 1,883,404; Oct. 18.
Road maintenance and building machine. R. L. Ward. 1,884,426; Oct. 25.
Road maintenance equipment. C. F. Goddard. 1,868,895; July 26.
Road maintenance machine. C. G. Anderson. 1,865,812; July 5.
Road maintenance machine. J. S. McCallum. 1,871,542; Aug. 16.
Road making. J. J. Dyer. 1,849,421; Mar. 15.
Road making materials, Treatment of. G. Rodewald. 1,854,348; Apr. 19.
Road material, Spreading. C. G. Kime. 1,861,925; June 7.
Road or pavement making apparatus. G. Jaeger. 1,878,278; Sept. 20.
Road paving machine. B. Noble. 1,840,970; Jan. 12.
Road planing machine. O. O. Davis and H. E. Monroe. 1,854,368; Apr. 19.
Road repair apparatus. J. S. Littleford, jr. 1,849,581; Mar. 15.
Road resurfacing apparatus. R. E. Palmer. 1,877,577; Sept. 13.
Road rolling machine. L. Gardiner. 1,874,957; Aug. 30.
Road scraping or grading apparatus. J. P. McHale. 1,872,601; Aug. 16.
Road shoulder maintainer. A. B. Callaway. 1,860,922; May 31.
Road spraying and mixing apparatus. N. W. McLeod. 1,862,232; June 7.
Roadster body, Pressed metal J. Ledwinka. 1,844,966; Feb. 16.
Road strip. C. L. Meyer. 1,850,408; Mar. 22.
Road surfacing composition and making same. S. E. Finley. 1,845,405; Feb. 16.
Road surfacing equipment. G. E. Pearson and H. E. Petrilli. 1,864,612; June 28.

Roadway construction. A. E. Schutte. 1,848,496; Mar. 8.
Roadway joint. B. Briody. 1,880,013; Sept. 27.
Roadways, Anti-washout device for. R. Adler. 1,843,748; Feb. 2.
Roadways, Construction and facing of. G. Marguet and M. B. La Veyssiere. 1,854,852; Apr. 19.
Road working machine. L. B. Sherman. 1,875,194; Aug. 30.
Road working machine. I. M. Wells and H. A. Olds. 1,858,648; July 26.
Roaster; *See*—
Coffee roaster. Matrix roaster.
Roaster. J. A. Flanzer. 1,870,619; Aug. 9.
Roaster. M. F. Thau. 1,872,050; Aug. 16.
Roasting apparatus. I. Bliss. 1,871,654; Aug. 16.
Roasting apparatus. H. K. A. Lassen. 1,857,725; May 10.
Roasting apparatus. N. M. Linkenauger. 1,854,850; Apr. 19.
Roasting pan. M. M. Murff. 1,874,791; Aug. 30.
Robe or blanket, Sleeping. M. G. Esker. 1,859,820; May 24.
Robot for signaling devices. G. W. MacKenzie. 1,864,203; June 21.
Rock and other mineral substances, Apparatus for reducing. J. M. Mitchell. 1,861,315; May 31.
Rock bit cone. G. E. Failing. 1,840,390; Jan. 12.
Rock bit cone. G. E. Failing. 1,847,824; Mar. 1.
Rock breaker. F. L. Buchanan. 1,864,973; June 28.
Rock crusher. A. C. Daman and L. H. Logue. 1,866,625; July 12.
Rock crusher. A. D. Hadsel. 1,854,256; Apr. 19.
Rock crusher. H. J. McElvain. 1,874,329; Aug. 30.
Rock crusher, Centrifugal. A. D. Hadsel. 1,857,539; May 10.
Rock drill. I. S. Carpenter. 1,884,969; Oct. 25.
Rock drill. S. B. Creveling and E. Grandmason. 1,849,541; Mar. 15.
Rock drill. W. F. Dalzen. 1,885,085; Oct. 25.
Rock drill. W. F. Dalzen. 1,891,276; Dec. 20.
Rock drill. A. Feucht. 1,867,072; July 12.
Rock drill. E. G. Gartin. 1,852,936; June 14.
Rock drill. E. G. Gartin. 1,884,551-2; Oct. 25.
Rock drill. E. G. Gartin. 1,892,549; Dec. 27.
Rock drill. G. H. Gilman. 1,848,349; Mar. 8.
Rock drill. L. Johnson. 1,842,405; Jan. 26.
Rock drill. K. M. Perry. 1,865,585; July 5.
Rock drill. R. H. Smickle. 1,874,130; Aug. 30.
Rock drill. W. A. Smith, sr. 1,846,819; Feb. 23.
Rock drill. W. A. Smith, sr. 1,878,905; Sept. 20.
Rock drill. W. A. Smith, sr., and W. A. Smith, jr. 1,853,247; Apr. 5.
Rock-drill and like tool. J. L. and A. T. Holman. 1,867,317; July 12.
Rock drill, Duerless. J. F. Shock. 1,889,422; Nov. 29.
Rock drill feeding device. J. G. Graham. 1,861,853; June 7.
Rock drilling bit. A. F. Powell. 1,854,633; Apr. 19.
Rock drilling device, Subaquatic. W. D. Grant. 1,852,408; Apr. 5.
Rock drilling machine. H. A. Holmberg. 1,843,482; Feb. 2.
Rock drills, Rotation mechanism for. W. A. Smith, jr. 1,846,817; Feb. 23.
Rock, Production of phosphate. J. D. Morgan. 1,861,236; May 31.
Rocks with nitrous vapors in a continuous cycle, Treatment of leucitic. F. Jourdan. 1,863,986; June 21.
Rocker arm, Lubricated. E. J. Knapp. 1,892,240; Dec. 27.
Rocket. H. Stolfa and R. Zwerina. 1,879,579; Sept. 27.
Rocket, Carbide. F. Hadamik and N. Liberatore. 1,856,552; May 3.
Rocket, Flying. R. Tiling. 1,880,586; Oct. 4.
Rockets, especially for aeronautic purposes, Producing. R. Tiling. 1,880,579; Oct. 4.
Rocking chair, Collapsible. S. Wenz and M. Baczynski. 1,842,338; Jan. 19.
Rocking chair, Foldable. H. Rodriguez. 1,856,429; May 3.
Rod; *See*—
Adjustable tie rod. Oil gauge rod.
Blast furnace test rod. Pipe and sewer rod.
Brake rod. Piston and connecting rod.
Brazing rod. Piston and connection rod.
Connecting rod. Sewer rod.
Curtain rod. Sucker rod.
Drill rod. Test rod.
Equalizer rod. Tie rod.
Fishing rod. Welding and brazing rod.
Guide rod. Welding rod.
Map rod.
Rod and coupling, Connecting. J. M. Halt, jr. 1,851,670; Mar. 29.
Rod and coupling member therefor, Sectional. W. H. Stewart. 1,868,508; July 26.
Rod, Arrangement for operating. T. Zerbi. 1,845,108; Feb. 16.
Rod attachment, Curtain. J. Appleyard. 1,859,489; May 24.
Rod bending machine. A. H. Marietta. 1,867,581; July 19.
Rod bracket, Curtain. S. E. Maves. Des. 86,963; May 17.
Rod bundle transfer mechanism. B. N. Bletso and W. V. Magee. 1,869,354; Aug. 2.
Rod clamp. G. Zingali. 1,873,731; Aug. 23.
Rod clamp, Polish. B. G. Gable. 1,855,347; Apr. 26.
Rod cooling and water eliminating apparatus. H. T. George. 1,874,959; Aug. 30.
Rod cornice, Curtain. J. Ajemian. 1,866,612; July 12.
Rod coupler. D. F. Inman. 1,851,843; Mar. 29.
Rod coupling, Sucker. T. M. Jordan and W. H. Herrington. 1,856,917; May 3.
Rod fastening. Mc. Paul. Re18,342; Jan. 26.
Rod for shuttle drop boxes, Lifter. A. E. Brickman. 1,852,072; Apr. 5.
Rod line swivel, Weighted. W. C. Trout. 1,860,121; May 24.
Rod-line weight. A. L. Leman. 1,867,574; July 19.
Rod mill. W. R. Carroll. 1,842,069; Jan 19.
Rod mill. H. S. Rexworthy. 1,873,032; Aug. 23.
Rod operating mechanism, Automatic. M. Richter. 1,854,244; Oct. 25.
Rod or the like, Drapery. W. C. Kenney. 1,871,796; Aug. 16.
Rod or pipe clamp. F. Brandt. 1,889,592; Nov. 29.
Rod rack. J. G. Bouslog. 1,885,223; Nov. 1.
Rod reeling mechanism. B. N. Bletso and F. W. Lorig. 1,850,492; Mar. 22.
Rod weeder. W. Christensen. 1,872,121; Aug. 16.
Rod weeder. F. T. Court. 1,873,552; Aug. 23.
Rod-weeder. C. H. Erwin. 1,877,652; Sept. 13.
Rod weeder, Rotary. B. J. Connor. 1,877,814; Sept. 20.
Rod wrench device, Sucker. J. A. Vance and D. M. Hammett. 1,861,274; May 31.
Rods and controlling means applicable thereto, Apparatus for extruding and coiling. D. L. Summey. 1,849,044; Mar. 8.
Rods, Apparatus for cleaning or polishing. H. C. Lord. 1,891,531; Dec. 20.
Rods, Attachment for curtain. L. G. Handy. 1,845,659; Feb. 16.
Rods, Making ground. F. B. Nimick. 1,891,943; Dec. 27.
Rods, Making welding. K. H. Ternstedt. 1,867,781; July 19.
Rods, Method and mechanism for grinding. R. H. Cowdery. 1,864,584; June 28.
Rods, Shaping composite. F. G. Nimick. 1,885,132; Nov. 1.
Rods or tubes of glass or other materials, Process and apparatus for the manufacture of. V. A. Cardot. 1,869,303; July 26.
Rodent exterminator, Domestic. L. W. V. Dorrien. 1,889,276; Nov. 29.
Röentgen diaphragm. R. Mannl. 1,891,332; Dec. 20.
Roll. O. W. Schaum. 1,852,092; Apr. 5.
Roll. H. J. Steegen. 1,884,340; Oct. 25.
Roll. F. E. Wolcott. 1,853,839; Apr. 12.
Roll adjusting means for rolling mills. H. Fornellus. 1,841,175; Jan. 26.
Roll adjustment for wool combing machine. J. Smith. 1,845,351; Feb. 16.
Roll and pad, Ironing. A. H. Adams. 1,885,211; Nov. 1.
Roll, Bending. A. T. Yates. 1,868,341; July 19.
Roll, Cast iron. E. K. Lewis and E. Wenz. 1,870,580; Aug. 9.
Roll changer for printing presses. B. C. White. 1,855,503; Apr. 26.
Roll chuck, Roller bearing working. E. B. Hudson. 1,870,710; Aug. 23.
Roll conveyer system. E. W. Henderson and H. J. Fisher. 1,873,940; Aug. 23.
Roll coupling, Drawing. O. L. Honnors. 1,891,539; Dec. 20.
Roll, Crushing. C. B. Duckworth. 1,885,241; Nov. 1.
Roll, Dandy. J. R. Sinclair. 1,888,892; Nov. 22.
Roll edge for mattresses or cushions, R. Korney. 1,865,018; June 28.
Roll feeder mechanism, Squeeze. E. Cannity. 1,856,049; Apr. 26.
Roll filling, Calender. J. Fish. 1,854,509; Apr. 19.
Roll, Fluid cooled. J. H. Fox. 1,844,062; Feb. 9.
Roll, Fluid cooled. A. L. Harrington. 1,867,148; July 12.
Roll, Folding kaiser. M. Spitz and J. Srovnal. 1,891,845; Dec. 20.
Roll for addressing machines, Electrotype printing. H. P. Elliott. 1,880,932; Oct. 4.
Roll for electric welding machines, Rotary contact. H. J. Burnish. 1,892,293; June 7.
Roll for heat treating furnaces. R. Burke. 1,872,062; Aug. 16.
Roll for inking mechanism, Intermediate pick-up. H. A. W. Wood. 1,842,166; Jan. 12.
Roll for interfolding paper. S. J. Campbell. 1,871,301; Aug. 9.
Roll for printing presses and coating the surfaces of the same. A. B. Davis. 1,873,873; Aug. 23.
Roll for wire drawing machines. L. Lorenz. 1,847,567; Mar. 1.
Roll, grinding machine. C. Morey and C. F. Schnuck. 1,845,172; Feb. 16.
Roll, Hair. K. Ströher. 1,885,386; Nov. 1.
Roll heater. J. Milnes and R. E. Howell. 1,878,971; Sept. 20.
Roll leveler. L. Iversen. 1,876,457; Sept. 6.

Roll mechanism, Drawing. H. E. White and W. F. Schulz. 1,880,002; Sept. 27.
Roll, Paper. N. Marcalus. 1,884,784; Oct. 25.
Roll polisher for sheet tin and jobbing mills. G. Butler and W. F. Zurcher. 1,863,237; June 14.
Roll polishing machine. J. P. McGrady. 1,854,618; Apr. 19.
Roll polishing rig. R. H. Grove. 1,891,152; Dec. 13.
Roll scouring block. F. L. Buell. 1,864,581; June 28.
Roll-screen holding device. W. J. Baker and H. A. Konen. 1,871,141; Aug. 9.
Roll, Self-adjusting feed. H. M. Barber. 1,889,523–8; Nov. 29.
Roll shaft. C. H. Sipe and F. S. Snyder. 1,844,231; Feb. 9.
Roll suction device. M. Wenzel. 1,842,924; Jan. 26.
Roll, Sun-dried. C. H. Driver. 1,887,623; Nov. 15.
Roll travel testing apparatus. J. E. Thropp. 1,887,442–3; Nov. 8.
Roll truing apparatus. C. F. Weaver, R. W. Hyman, and G. H. Wheatley. 1,888,302; Nov. 22.
Roll, Welding. J. V. Caputo. 1,854,924; Apr. 19.
Roll, Winding. J. U. Forbes. 1,876,494; Sept. 6.
Roll winding machine, Automatic. E. T. Street. 1,872,018; Aug. 16.
Roll, Wire-covered. H. R. Williams. 1,841,999; Jan. 19.
Roll wrapping machine. J. P. Aldrich and H. A. Morris. 1,882,695; Oct. 18.
Roller: *See*—
  Awning roller.
  Car loading roller.
  Caster roller.
  Clearing roller.
  Composition roller.
  Conveyer roller.
  Curtain roller.
  Film guide roller.
  Friction roller.
  Grinding roller roller.
  Inking roller.
  Leer roller.
  Massage roller.
  Metal feeding roller.
  Paper feed roller.
  Paper sheet roller.
  Pie crust roller.
  Platen roller.
  Power guide roller.
  Printer's roller.
  Printing and slitting roller.
  Printing roller.
  Shade roller.
  Tapered feed roller.
  Turf roller.
Roller. F. G. Walters. 1,856,085; May 3.
Roller adjusting device for cotton gins. W. L. Hancock. 1,858,850; May 10.
Roller and making same, Printer's. B. F. Vogt. 1,870,661; Aug. 9.
Roller and making the same, Printing. F. Priemer. 1,884,214; Oct. 25.
Roller and surfacer, Power. L. W. Siegel. 1,851,875; Mar. 29.
Roller attached bulk-handling attachment for harvesters. L. D. Morse. 1,867,887; July 19.
Roller bit. G. D. Behnke. 1,858,980; May 17.
Roller bit. J. T. Phipps. 1,867,628; July 19.
Roller bit head and cutters, Unit. H. W. Fletcher. 1,839,387; Jan. 5.
Roller cleaning and oiling device for driers. C. W. Linfesty. 1,873,437; Aug. 23.
Roller construction, Curtain. T. W. Holt and J. F. Levan. 1,876,939; Sept. 13.
Roller conveyer for glass plates. L. von Reis. 1,868,860; July 26.
Roller conveyer for glass plates. L. von Reis. 1,889,082; Nov. 29.
Roller core bit. F. L. Scott. 1,874,065; Aug. 30.
Roller core bit. L. H. Wellenstein. 1,874,070; Aug. 30.
Roller curve for conveyers, Live. E. Groth. 1,846,390; Feb. 23.
Roller cutter organization for earth boring apparatus, Section. C. E. Reed. 1,847,981; Mar. 1.
Roller cutter organization for earth boring drills. C. E. Reed. 1,839,599; Jan. 5.
Roller for line slug machines. G. H. Eberlein. 1,887,625; Nov. 15.
Roller for roads, Snow. P. A. Doyle. 1,842,717; Jan. 26
Roller for roller blinds, Spring controlled. P. Schultes. 1,853,150; Apr. 12.
Roller for string bean harvesters, Stripping. F. P. Ryder. 1,848,273; Mar. 8.
Roller for Venetian blinds, Traverse. L. T. Ward. 1,845,856; Feb. 16.
Roller guide. A. Binus. 1,866,149; July 5.
Roller leveler. C. L. Ekserzian. 1,855,709; Apr. 26.
Roller lift, Mechanical. F. J. Burns. 1,891,913; Dec. 27.
Roller mill. P. O. Diederichs. 1,889,777; Dec. 6.
Roller mill. P. R. V. Knüpffer. 1,891,165; Dec. 13.
Roller-mop. G. H. Heerdt and G. W. E. Marsden. 1,850,190; Mar. 22.
Roller on the missing of a sheet in multiple reproduction apparatus, Apparatus for displacing the counter pressure. Welde. 1,858,951; May 17.
Roller pad, Snapper. L. R. Schwartz. 1,859,800; May 24.
Roller plate construction for fluid meters, Thrust. W. L. Marden. 1,857,851; May 10.
Roller runway for sheet glass. W. Owen. 1,861,665; June 7.
Roller screen. E. D. Arthur. 1,866,788; July 12.
Roller screen. F. M. Kennedy. 1,840,454; Jan. 12.
Roller screen. M. Seide. 1,873,156; Aug. 23.
Roller screen. C. Traut. 1,867,391; July 12.
Roller skate. C. Vogt. 1,885,158; Nov. 1.
Roller stock pusher for screw machines. E. R. Dingell. 1,855,515; Apr. 26.
Roller swing. C. W. Hoover. 1,851,908; Mar. 29.
Roller wrench. F. J. Burns. 1,861,207; May 31.
Rollers, Apparatus for grinding and treating wire clothed. J. Dronsfield. 1,886,088; Nov. 1.
Rollers, Process and apparatus for preparing printing. A. Tausz and F. Stéhlik. 1,878,347; Sept. 20.
Rollers, Transporting means for road. E. V. Biles. 1,886,367; Nov. 8.
Rolling and annealing process. J. B. Tytus. 1,874,144; Aug. 30.
Rolling and loading hayrake. J. Baggiolini. 1,887,080; Nov. 8.
Rolling machine. W. J. Heinauer. 1,874,995; Aug. 30.
Rolling machine. J. W. Smith. 1,840,999; Jan. 5.
Rolling machine. J. Sneed. 1,879,568; Sept. 27.
Rolling mill. G. Asbeck. 1,846,175; Feb. 23.
Rolling mill. J. R. Coe. 1,857,870; Apr. 15.
Rolling mill, H. Esser. 1,868,227; July 19.
Rolling mill, J. E. Fawell. 1,864,299; June 21.
Rolling mill. C. J. Gibbons. 1,847,213; Mar. 1.
Rolling mill. J. A. Heiden. 1,870,509; Aug. 9.
Rolling mill. A. T. Keller. 1,860,931; May 31.
Rolling mill. M. M. Lauterbach. 1,843,395; Feb. 2.
Rolling mill. R. Michel. 1,865,941; July 5.
Rolling mill. E. W. Mikaelson. 1,854,597; Apr. 19.
Rolling mill. F. Miller. 1,873,595; Sept. 20.
Rolling mill. R. D. Nye. 1,880,468; Oct. 4.
Rolling mill. W. J. P. Rohn. 1,858,788; May 17.
Rolling mill. J. Roux. 1,856,170; May 3.
Rolling mill. H. L. Schreck. 1,891,579; Dec. 20.
Rolling mill. B. R. Shover. 1,891,955; Dec. 27.
Rolling mill. W. Sykes. 1,866,232; July 5.
Rolling mill. R. C. Walter. 1,883,140; Oct. 18.
Rolling mill, Universal. A. W. Sodenberg and A. G. Dahlgren. 1,865,286; June 28.
Rolling of composite glass strips. H. Smith. 1,891,116; Dec. 13.
Rolling screen. E. P. Rupprecht. 1,882,951; Oct. 18.
Rolling stock. A. J. Chapin and G. W. Shaver. 1,881,045; Oct. 4.
Rolling stock. R. T. Glascodine. 1,891,674; Dec. 20.
Rolling stock construction, Railway. J. C. Travilla, jr. 1,868,509; July 26.
Rolling tube. R. Buchwald. 1,849,973; Mar. 15.
Rolls, Adjusting straightening. E. T. Peterson. 1,839,497; Jan. 5.
Rolls, Apparatus and process for producing. F. C. T. Daniels. 1,848,264; Mar. 8.
Rolls, Apparatus for handling. E. E. Berry. 1,870,224; Aug. 9.
Rolls corrugating sheet material. J. T. Auger. 1,868,302; July 19.
Rolls, Refluting textile. C. E. Honeycutt and J. L. Alexander. 1,887,510; Nov. 15.
Rolls, Resurfacing. E. R. Moore, C. L. McGranahan, and C. Warrender. 1,884,104; Oct. 25.
Rolls, Wiping grinding. G. A. Vasel. 1,848,916; Mar. 8.
Röntgen apparatus. E. W. Fehr. 1,841,242; Jan. 12.
Roof, Air-cooled floating. C. F. H. Bohnhardt. Re18,381; Mar. 8.
Roof and floor construction. C. A. Martin. 1,864,025; June 21.
Roof and wall structure. K. Mennicken. 1,888,233; Nov. 22.
Roof, Car. C. D. Bonsall. 1,842,931; Jan. 26.
Roof, Car. C. D. Bonsall. 1,847,467; Mar. 1.
Roof, Car. C. D. Bonsall. 1,848,401; Mar. 8.
Roof, Car. C. D. Bonsall. 1,848,471; Mar. 8.
Roof, Car. C. D. Bonsall. 1,849,787; Mar. 15.
Roof, Car. C. D. Bonsall. 1,851,085; Mar. 29.
Roof, Car. C. D. Bonsall. 1,853,656; Apr. 12.
Roof, Car. C. D. Bonsall. 1,853,796; Apr. 12.
Roof, Car. C. D. Bonsall. 1,855,935; Apr. 26.
Roof, Car. C. D. Bonsall. 1,866,273; July 5.
Roof, Car. C. D. Bonsall. 1,866,539–40; July 12.
Roof, Car. C. D. Bonsall. 1,868,184; July 19.
Roof, Car. C. D. Bonsall. 1,868,458–9; July 19.
Roof, Car. C. D. Bonsall. 1,868,190; July 19.
Roof, Car. C. D. Bonsall. 1,868,191; July 19.
Roof, Car. C. D. Bonsall. 1,870,098; Aug. 9.
Roof, Car. C. D. Bonsall. 1,882,477; Oct. 18.
Roof, Car. C. D. Bonsall. 1,888,654–5; Nov. 22.
Roof, Car. C. D. Bonsall. 1,888,901; Nov. 22.
Roof, Car. E. G. Franck. 1,856,245; May 3.
Roof, Car. E. G. Franck. 1,881,451; Oct. 11.
Roof, Car. G. G. Gilpin. 1,880,085; Sept. 27.
Roof, Car. W. P. Murphy. 1,846,812; Feb. 23.
Roof, Car. E. R. Wilson. 1,873,450; Sept. 20.
Roof, Car. A. R. Wilson. 1,865,549; July 5.
Roof, Car. A. R. Wilson. 1,883,212–13; Oct. 18.
Roof, Car. R. B. Windle. 1,891,741; Dec. 20.
Roof construction. A. A. Kramer. 1,852,659; Apr. 5.
Roof construction. J. Ledwinka. 1,855,747; Apr. 26.
Roof construction. N. P. Pierose. 1,870,963; Aug. 9.
Roof construction. P. Schonert. 1,853,231; Apr. 12.
Roof construction. L. G. Smith. 1,892,637; Dec. 27.
Roof construction, Car. A. McGary. 1,849,104; Mar. 15.
Roof construction, Tile. E. Martin. 1,854,660; Apr. 19.
Roof covering. A. C. Fischer. 1,858,224; May 10.
Roof coverings, Preparing. F. H. Ford. 1,880,429; Oct. 4.
Roof finishing and jacket. F. J. Moore. 1,875,640; Sept. 6.

Roof-flashing retaining and sealing device. F. E. Crampton, 1,852,955; Apr. 5.
Roof for liquid storage tanks, Floating. J. H. Wiggins. 1,854,534–5; Apr. 19.
Roof for liquid storage tanks, Floating. J. H. Wiggins. 1,871,251; Aug. 9.
Roof for liquid storage tanks, Floating. J. H. Wiggins. 1,871,289; Aug. 9.
Roof for liquid storage tanks, Floating. J. H. Wiggins. 1,874,726; Aug. 30.
Roof for portable buildings. P. N. Nissen. 1,861,062; May 31.
Roof of storage tanks for gas and volatile liquids, Breather type. J. H. Wiggins. 1,846,506; Feb. 23.
Roof for toy structures. A. F. Church. 1,870,491; Aug. 9.
Roof or vehicles. J. H. Ford. 1,883,739; Oct. 18.
Roof joining. A. Dagg. 1,842,748–9; Jan. 26.
Roof joint. J. W. Helling. 1,844,870; Feb. 9.
Roof joint. L. E. Rhebhann. 1,855,694; Apr. 26.
Roof joint construction, Flue. C. J. Bates, Jr. 1,868,485; July 26.
Roof, Metal car. C. D. Bonsall. 1,853,655; Apr. 12.
Roof or similar construction, Automobile. B. C. Place. 1,842,283; Jan. 19.
Roof, Removable gondola car. C. D. Bonsall. 1,888,653; Nov. 22.
Roof, Sheet metal. G. L. Bennett. 1,876,597; Sept. 13.
Roof, Shingle. C. R. Eckert. Des. 87,104; June 7.
Roof structure. A. C. Leigh. 1,857,402; May 10.
Roof structure. F. L. O. Wadsworth. 1,850,088; Mar. 22.
Roof structure for railway cars. G. G. Gilpin. 1,888,983; Nov. 29.
Roofing. G. L. Bennett. 1,862,292; June 7.
Roofing. G. P. Heppes. 1,873,886; Aug. 23.
Roofing. J. Maclean. 1,857,463; May 10.
Roofing. T. C. Prouty. 1,865,959; July 5.
Roofing and making same, Prepared. H. C. Koch. 1,868,751; July 19.
Roofing and siding element. N. P. Harshberger. 1,862,852; June 14.
Roofing, Apparatus for making prepared. H. C. Koch. 1,847,767; Mar. 1.
Roofing, Apparatus for surfacing. E. S. Donahue. 1,872,822; Aug. 16.
Roofing bracket. W. W. Burk. 1,871,154; Aug. 9.
Roofing, Composition. H. L. Levin. 1,850,880; Mar. 22.
Roofing construction. L. W. Burns. 1,882,177; Oct. 11.
Roofing element. F. C. Overbury. 1,842,564; Jan. 26.
Roofing element, Metal clad. S. Levy. 1,852,169; Apr. 5.
Roofing elements, Apparatus for assembling. D. A. Cumfer. 1,870,443; Aug. 9.
Roofing implements, Method of and apparatus for finishing. F. C. Overbury. 1,873,213; Aug. 23.
Roofing, Making. A. Wettlaufer. 1,885,456; Nov. 8.
Roofing, Manufacturing composition. C. R. MacDonald. 1,865,579; July 5.
Roofing material. W. H. Finkeldey. 1,864,055; June 21.
Roofing material. A. C. Fischer. 1,849,869; Mar. 15.
Roofing material. A. C. Fischer. 1,881,438; Oct. 11.
Roofing material. D. C. Macan. 1,871,068; Aug. 9.
Roofing, Method and apparatus for manufacturing. F. C. Overbury. 1,841,296; Jan. 12.
Roofing, Method of and apparatus for producing. D. A. Cumfer. 1,864,809; June 28.
Roofing, Reinforced. H. C. Macan. 1,871,067; Aug. 9.
Roofing sheet. W. G. Harter. 1,889,784; Dec. 6.
Roofing, Sheet metal. G. L. Bennett. 1,861,998; June 7.
Roofing, Sheet metal. S. V. Conner. 1,856,622; May 3.
Roofing, Sheet metal. C. S. Hammond. 1,872,447; Aug. 16.
Roofing, Short metal. L. Kuehn. 1,855,357; Apr. 26.
Roofing strip. H. J. Levin and F. H. Neher. 1,870,414; Aug. 9.
Roofing strip and process. C. G. Talbott. 1,840,984; Jan. 12.
Roofing unit. H. L. Guy. Des. 86,085; Jan. 26.
Roofing unit. H. L. Guy. Des. 87,057; May 31.
Roofing units, Method of and machine for coating. C. R. MacDonald. 1,873,209; Aug. 23.
Roofing, Wire mesh. Y. Hikasa. 1,844,655; Feb. 9.
Roofs, Wall ends in unstable ground and shields therefor, Supporting tunnel. H. G. Barber and H. B. Muckleston. 1,855,466; Apr. 26.
Roofs, Method of and apparatus for raising. S. M. Gooder. 1,847,005; Aug. 30.
Roost. G. S. Kolstad. 1,870,125; Aug. 2.
Roost, Poultry. F. A. Westlund. 1,876,371; Sept. 6.
Roost structure, Sanitary pivoted. C. E. Hilton. 1,873,763; Aug. 23.
Roost digger. H. Dierking and R. Derby. 1,844,565; Feb. 9.
Rope. E. V. Wyatt. 1,868,681; July 26.
Rope and make the same, Wire. R. D. Green. 1,885,821; Nov. 1.
Rope and method of manufacture, Wire. M. E. Evans. 1,888,076; Nov. 15.
Rope and twine reel. A. F. Jackson. 1,860,249; May 24.
Rope, Apparatus for treating wire. G. C. Burd. 1,864,293; June 21.
Rope, Guy. R. T. Dawes. 1,892,611; Dec. 27.
Rope, Making. C. N. Rinek. 1,851,863; Mar. 29.
Rope, Manufacture of dead lay wire. A. S. Rairden. 1,892,632; Dec. 27.
Rope or cord construction and making same, Reinforced. J. H. Chadbourne. 1,862,505; June 7.
Rope-saving sling thimble. G. W. Gascoin. 1,862,478; June 7.
Rope tightener. R. R. Rundell. 1,890,829; Dec. 13.
Rope, Treating wire. G. C. Burd. 1,864,338; June 21.
Rope twist equalizer, Wire. F. W. Hall, E. Johnson, and W. R. Hall. 1,849,924; Mar. 15.
Rope winding device. C. J. Kienzle. 1,891,598; Dec. 20.
Ropeways with continuous traffic, Working of passenger. A. Rubin. 1,886,050; Nov. 1.
Ropes, Center for wire. E. W. Brewster. 1,839,463; Jan. 5.
Rose. W. D. and J. D. Brownell. Pl. Pt. 28; Oct. 4.
Rose. R. L. Catron. Pl. Pt. 23; Aug. 23.
Rose. G. B. Hart. Pl. Pt. 24; Aug. 23.
Rose. M. Leenders. Pl. Pt. 38; Oct. 25.
Rose. C. N. White. Pl. Pt. 22; Aug. 23.
Rose, Cerise. E. H. Mann. Pl. Pt. 21; Aug. 23.
Rose, Climbing. J. W. Kailay. Pl. Pt. 10; Mar. 8.
Rose, Hybrid tea. R. L. Catron. Pl. Pt. 6; Feb. 16.
Rose, Hybrid tea. R. L. Catron. Pl. Pt. 9; Feb. 23.
Rose, Hybrid tea. J. Dilatto. Pl. Pt. 49; Dec. 20.
Rose, Hybrid tea. N. Grillo. Pl. Pt. 49; Dec. 20.
Rose, Hybrid tea. C. W. Hjermind and P. E. Weiss. Pl. Pt. 11; Mar. 22.
Rose. Hybrid tea. P. M. Pierson. Pl. Pt. 33. Oct. 11.
Rose, Hybrid tea. W. R. Pierson. Pl. Pt. No. 25; Aug. 30.
Rose, Shower. W. Kordes. 1,890,156; Dec. 6.
Rose, Variety of. E. J. Le Duc. Pl. Pt. 45; Nov. 29.
Rose, Yellow. E. H. Mann. Pl. Pt. 20; Aug. 23.
Rosin and preparing the same, Hydrogenated. R. C. Palmer and A. F. Oliver. 1,881,907; Oct. 11.
Rosin decomposition products and preparing the same, C. O. Henke. 1,853,352; Apr. 12.
Rosin from rosin-containing soap produced in the manufacture of paper pulp from rosin-containing wood, Recovering. L. N. Bent. 1,888,581; Nov. 22.
Rosin, Liming. E. Van Romaine, H. J. Weiland, P. O. Powers, and R. C. Palmer. 1,884,407; Oct. 25.
Rosin, Purifying. J. N. Borglin. 1,849,737; Mar. 15.
Rosin, Refining. I. W. Humphrey. 1,852,245; Apr. 5.
Rosin, Refining. I. W. Humphrey. 1,887,097; Nov. 8.
Rosin, Refining. I. W. Humphrey. 1,887,187; Nov. 8.
Rosin, Refining. I. W. Humphrey. 1,890,086; Dec. 6.
Rosin soap Inkes of azo compounds. E. R. Allen and A. Siegel. Re18,909; Sept. 6.
Rosin size. W. H. Harding and S. V. Burrows. 1,890,462; Dec. 13.
Rossing machine. H. A. Ganes and W. Kilde. 1,881,465; Oct. 11.
Roster or similar article, Membership. C. A. Winter. Des. 87,948; Oct. 11.
Rotary and reciprocatory drill, Combined. J. F. Haas. 1,889,441; Nov. 29.
Rotary bin. J. R. Massengale. 1,858,099; May 10.
Rotary bit. J. A. Green. 1,859,947; May 24.
Rotary cutter. H. M. Albee. 1,851,613; Mar. 29.
Rotary cutter. E. Kistel. 1,844,660; Feb. 9.
Rotary cutter. F. W. Miller. 1,859,947; May 24.
Rotary cutter. L. E. Parent. 1,861,094; May 31.
Rotary cutter. L. Skeel and F. P. Miller. 1,854,631; Apr. 19.
Rotary cutter. A. Spohr and L. Skeel. 1,844,446; Feb. 9.
Rotary cutter. C. C. Worthington. 1,847,683; Mar. 1.
Rotary drier. W. A. Harty and F. W. Moore. 1,860,738; May 31.
Rotary drill. J. Johnson. 1,885,266; Nov. 1.
Rotary drill. V. J. Kubin and P. Funderburk. 1,846,212; Feb. 23.
Rotary drill. C. W. Metzger. 1,859,978; May 24.
Rotary drill bit. J. C. Reese. 1,868,074; July 19.
Rotary engaging apparatus. M. Howald. 1,850,970; Mar. 22.
Rotary engine. G. Alcznauer. 1,846,298; Feb. 23.
Rotary engine. G. Aruga. 1,865,666; July 5.
Rotary engine. A. F. Beals, E. E. and F. A. Pudge. 1,859,638; Jan. 5.
Rotary engine. A. Blackmon. 1,849,269; Mar. 15.
Rotary engine. C. W. Christ. 1,864,406; June 21.
Rotary engine. F. D'Anvrain. 1,885,947; May 3.
Rotary engine. D. A. Gray. 1,880,131; Sept. 27.
Rotary engine. C. W. Helm and E. Sellberg. 1,840,625; Jan. 12.
Rotary engine. E. Lanzerotti-Spina. 1,848,754; Mar. 8.
Rotary engine. C. J. Marchant. 1,869,106; July 26.
Rotary engine. E. R. Munn. 1,841,841; Jan. 19.
Rotary engine. S. Nash. 1,879,422; Sept. 27.
Rotary engine. O. Ridder. 1,854,670; Apr. 19.
Rotary engine. L. M. Serra. 1,885,557; Nov. 1.
Rotary engine. P. G. Tacchi. 1,862,440; June 7.
Rotary engine. J. Tackman. 1,872,361; Aug. 16.
Rotary engine. E. C., J. H. A., and W. Warren. 1,861,168; May 31.
Rotary engine. H. M. Wilsey. 1,880,224; Oct. 4.
Rotary engine, Combustion. O. Larson. 1,887,917; July 19.
Rotary filter press. G. R. Bryant. 1,887,798; Nov. 15.
Rotary flying shear. W. W. and R. A. Macfarren. 1,849,501; Mar. 15.
Rotary furnace. E. Weiss. 1,863,952; June 21.
Rotary imprinting press. C. L. Friel. 1,841,103; Jan. 12.
Rotary jar. J. S. Beck. 1,885,043; Oct. 25.

Rotary jar. J. A. Francis. 1,889,283; Nov. 29.
Rotary jar. J. A. Kammerdiner. 1,860,675; May 31.
Rotary jar. L. Wells. 1,870,540; Aug. 9.
Rotary machine. D. S. Faulkner. 1,875,430; Sept. 6.
Rotary machine. E. W. Goeser. Re13,480; May 24.
Rotary machine. W. E. Shore. 1,875,397; Sept. 6.
Rotary machine heating by induction, Automatic. P. Viry. 1,885,966; Nov. 1.
Rotary member for forming gears. E. Wildhaber. 1,877,104; Sept. 13.
Rotary motor. A. G. Faulman. 1,845,834; Feb. 16.
Rotary motor. A. Kolb. 1,874,308; Aug. 30.
Rotary motor. R. C. McCracken. 1,861,706; June 7.
Rotary motor. W. E. Morse. 1,871,462; Aug. 16.
Rotary motor. W. G. Pyle. 1,869,710; Aug. 2.
Rotary oil burner. M. A. Powers. 1,888,693; Nov. 22.
Rotary press, Web printing. H. M. Barber. 1,864,166-7; June 21.
Rotary printing press, Multicolor. H. M. Barber. 1,868,963; July 26.
Rotary screen. J. A. White. 1,846,931; Feb. 23.
Rotary separator, Continuous. P. T. Robatel. 1,850,140; Mar. 22.
Rotary shears. F. C. Biggert, jr. 1,848,820; Mar. 8.
Rotary shears. F. E. Kling. 1,853,434; Apr. 12.
Rotary sprinkler. P. De Vos. 1,866,844; July 12.
Rotary sprinkler, Slow motion. J. H. Keys. 1,847,763; Mar. 1.
Rotary steam engine. D. Ross. 1,887,043; Nov. 8.
Rotary tank. W. G. Amsler. 1,889,509; Nov. 29.
Rotary ventilator. V. H. Meadows. 1,857,762; May 10.
Rotatable sprinkler. J. W. Ingram. 1,840,721; Jan. 12.
Rotating boiler. W. Blomquist. 1,882,379; Oct. 11.
Rotation or rotary members. Means to prevent reverse. W. Wilson. 1,872,545; Aug. 16.
Rotation transmitting means. J. H. King. 1,866,714; July 12.
Rotogravure printing machine. H. Fischer. 1,864,192; June 21.
Rotoplane. J. J. Leray. 1,889,255; Nov. 29.
Rotor and making the same, Aircraft sustaining. P. H. Stanley. 1,884,905; Oct. 25.
Rotor, Brake combining. D. L. Cramp. 1,869,546; Aug. 2.
Rotor construction for aircraft, Sustaining. J. de la Cierva. 1,884,597; Oct. 25.
Rotor construction for gas cleaners. J. H. Francis. 1,845,259; Feb. 16.
Rotor for aircraft, Horizontally rotatable winged. G. D. Smith. 1,871,136; Aug. 9.
Rotor for display devices. C. E. Chase and E. J. Fiegel. 1,891,797; Dec. 20.
Rotor for muscles. T. J. Harley. 1,843,222; Feb. 2.
Rotor for silent motors. C. E. Johnson. 1,861,059; May 31.
Rotor for turbogenerator. L. Kropff. 1,870,056; Aug. 2.
Rotor, Impeller, or the like. C. A. Volf, jr. 1,873,853; Aug. 23.
Rotor structure. H. P. Dahlstrand. 1,873,956; Aug. 30.
Roughage mill. J. Holland-Letz. 1,851,316; Mar. 29.
Roulette game. W. T. Herrick. 1,851,628; Mar 29.
Roundabout. G. P. V. Kurz. 1,889,253; Nov. 29.
Roundabout. F. D. Swader. 1,839,509; Jan. 5.
Roundabout or merry-go-round. F. J. Maloney. 1,860,194; May 24.
Rounding and channeling machine. A. Bourgeois. 1,861,664; June 7.
Rounding and channeling machine. O. L. Sherman and A. Bourgeois. 1,861,822; June 7.
Route indicator. C. N. Pogue. 1,888,013; Nov. 15.
Routing Apparatus for. H. W. Hall. 1,846,199; Feb. 23.
Routing device. W. F. Groene and L. D. Reed. 1,874,232; Aug. 30.
Rovings, yarns, twines and the like, Manufacture of. J. C. Sherman. 1,880,656; Sept. 27.
Rowing machine. W. Pareira. 1,866,860; July 12.
Rubber and making the same, Reenforced. W. B. Wescott. 1,871,572; Aug. 16.
Rubber and new compound therefor, Vulcanization of. H. M. Bruni, J. S. H. Davies and W. J. S. Naunton. 1,874,886; Aug. 30.
Rubber and producing the same, Decorated molded. J. Stein. 1,892,085; Dec. 27.
Rubber, and product, Improving properties of. J. McGavack. 1,840,243; Jan. 5.
Rubber and product obtained thereby, Treating. S. M. Cadwell. 1,871,036; Aug. 9.
Rubber and product of same, Reclaiming vulcanized. A. E. Barnard. 1,870,886; Aug. 9.
Rubber and product thereof, Devulcanizing and reclaiming. R. A. Dunham. 1,847,599; Mar. 1.
Rubber and product thereof, Treatment of. S. I. Strickhorner. 1,846,983; Mar. 1.
Rubber and products obtained thereby, Manufacturing vulcanized. O. Behrend. 1,891,743; Dec. 20.
Rubber and products obtained thereby, Treating. S. M. Cadwell and L. Meuser. 1,839,950; Jan. 5.
Rubber and products obtained thereby, Vulcanization of. M. H. Hulbacher. 1,851,767; Mar. 29.
Rubber and products obtained thereby, Vulcanization of. W. Scott. 1,885,555; Nov. 1.
Rubber and products obtained thereby, Vulcanizing. O. Behrend. 1,881,166; Oct. 4.
Rubber and products obtained thereby, Vulcanizing. S. M. Cadwell. 1,852,444; Apr. 5.
Rubber and products obtained thereby, Vulcanizing. M. H. Hulbacher. 1,848,724; Mar. 8.
Rubber and resulting product, Improving aging qualities of. I. Williams and A. M. Neal. 1,875,903; Sept. 6.
Rubber and rubberized fabric stock, Apparatus for manufacturing. R. R. Jones. 1,850,061; Mar. 15.
Rubber and similar materials, Vulcanization of. S. M. Cadwell. 1,871,038; Aug. 9.
Rubber and similar vegetable resins, Manufacture of. D. F. Twiss and E. A. Murphy. 1,846,104; Feb. 23.
Rubber, Apparatus for cutting. T. B. Huestis. 1,849,928; Mar. 15.
Rubber, Apparatus for treating. I. J. Turnbull. 1,871,348; Aug. 9.
Rubber article and its production, Inflatable hollow. I. Dorogi and L. Dorogi. 1,881,048; Oct. 4.
Rubber article and making the same, Oil-resisting. B. S. Taylor. 1,886,739; Nov. 8.
Rubber article, Inflatable. L. Kelemen and Z. Keleti. 1,885,917; Nov. 1.
Rubber articles, Apparatus for producing hollow. W. E. Humphrey. 1,863,339; June 14.
Rubber articles from rubber or similar materials, Manufacture of hollow. D. F. Twiss and E. A. Murphy. 1,890,970; May 31.
Rubber articles, Making. E. W. B. Owen. 1,877,426; Sept. 13.
Rubber articles, Manufacture of. J. B. Crockett. 1,867,881; July 19.
Rubber articles, Manufacture of. E. A. Murphy, W. Green, R. G. James, and D. F. Twiss. 1,886,351; Nov. 1.
Rubber articles, Manufacture of. U. Pestalozza. Re18,437; Apr. 26.
Rubber articles, Manufacturing. E. Hazell. 1,864,044; June 21.
Rubber articles, Manufacturing. G. W. Trobridge. 1,881,253; Oct. 4.
Rubber articles, Manufacturing. D. F. Twiss, F. T. Purkis, and E. A. Murphy. 1,870,788; Aug. 9.
Rubber articles, Manufacturing. W. F. Zimmerli and W. L. Semon. 1,841,976; Jan. 12.
Rubber articles, Method and apparatus for manufacturing. W. A. Gibbons. 1,871,364; Aug. 9.
Rubber articles, Method and mold for molding hollow. J. A. Law. 1,877,673; Sept. 13.
Rubber articles, Producing. W. H. Chapman, D. W. Pounder and E. A. Murphy. 1,852,447; Apr. 5.
Rubber band package and making same. K. R. Shaw. 1,886,842; Nov. 8.
Rubber, Chlorination of. M. Desenissa and A. Nielsen. 1,852,043; Apr. 5.
Rubber coagulation. W. B. Wescott. 1,873,913; Aug. 23.
Rubber coated fabric, Apparatus and process for vulcanizing. A. A. Gliddon, T. M. Knowland, and W. R. Dow. 1,860,411; May 31.
Rubber composition. J. C. Patrick. 1,854,423; Apr. 19.
Rubber composition and preparing the same. W. L. Semon. 1,886,310; Nov. 1.
Rubber composition and preserving rubber. C. W. Bedford. 1,855,788; Apr. 26.
Rubber composition and preserving rubber. H. E. Bowers. 1,869,657; Aug. 2.
Rubber composition and preserving rubber. W. L. Semon. 1,860,434; May 31.
Rubber composition and preserving rubber. W. L. Semon. 1,884,889; Oct. 25.
Rubber composition and preserving rubber. W. L. Semon. 1,890,916-17; Dec. 13.
Rubber composition and producing the same. A. B. Cowdery. 1,847,641; Mar. 1.
Rubber compound, Age resisting vulcanized. W. Scott. 1,859,801; May 24.
Rubber compound and making same, Age resisting. W. Scott. 1,845,347; Feb. 16.
Rubber compound and preserving it. A. M. Clifford. Re18,603; Sept. 20.
Rubber compound, Vulcanizable. E. V. Williams. 1,844,306; Feb. 9.
Rubber compounding. B. F. Schwalm. 1,869,172; July 26.
Rubber compounds and composition obtained thereby, Treating. H. A. Andres. 1,875,372; Sept. 6.
Rubber conversion product and its preparation. H. A. Bruson. 1,853,334; Apr. 12.
Rubber conversion products and making same. H. L. Fisher. 1,852,294-5; Apr. 5.
Rubber conversion products and making same. H. L. Fisher. 1,852,345-6; Apr. 5.
Rubber covered article. H. B. Johnson. 1,890,037; Dec. 6.
Rubber cutting machine. E. Clark. 1,868,799; July 12.
Rubber cutting machine. A. Lade. 1,878,453; Sept. 20.
Rubber derivatives, Making. G. Oenslager. 1,841,295; Jan. 12.
Rubber disbursing agent. R. G. Seaman. 1,867,633; July 19.
Rubber dust and product, Manufacturing hard. W. A. Gibbons and E. Hazell. 1,849,920; Mar. 15.
Rubber exercising strap. M. B. Reach. 1,870,750; Aug. 9.
Rubber-fiber articles, Manufacture of. F. O. Woodruff. 1,842,706; Jan. 26.

Rubber-fiber products, Manufacture of. G. P. F. Smith 1,841,067; Jan. 12.
Rubber fiber products, Reclaiming vulcanized. A. W. Bull. 1,880,372; Oct. 4.
Rubber footwear, galoshes, or the like, Pressing up of. H. C. L. Dunker. 1,868,137; July 19.
Rubber from rubber latex, Production of. O. Ambros and R. Griessbach. 1,839,191; Jan. 5.
Rubber goloshing of cloth shoes or the like foot-wear provided by pressing with wholly or partly rubber covered sides, Device for obtaining a sharp cutting of the. H. C. L. Dunker. 1,842,719; Jan. 26.
Rubber goods, Dipped. J. R. Gammeter. 1,848,164; Mar. 8.
Rubber goods, Identifying. J. R. Foley. 1,875,582; Sept. 6.
Rubber goods, Manufacture of. G. Fessel. 1,889,825; Dec. 6.
Rubber goods, Manufacture of. V. J. Sprunger. 1,864,621; June 28.
Rubber goods, Production of colored. R. Krech. 1,845,158; Feb. 16.
Rubber goods, Vulcanizing, stripping, and finishing dipped. J. R. Gammeter. 1,870,775; Aug. 9.
Rubber having a shaggy or birsute texture, Producing gassed sheet. E. J. Moran. 1,884,106; Oct. 25.
Rubber heel. H. Hirschfeld. 1,887,852; Nov. 15.
Rubber latex and product, Treating. W. A. Gibbons. 1,864,060; June 21.
Rubber lasting and the like and apparatus therefor, Pumping of. H. Willsbaw, W. G. Gorham, and R. F. Lee. 1,878,220; Sept. 20.
Rubber like masses and preparing the same, New. E. Tschunkur and W. Bock. 1,859,686; May 24.
Rubber, Manufacture of age resisting vulcanized. W. Scott. 1,846,546; Feb. 23.
Rubber, Manufacture of gassed or sponge. E. J. Moran. 1,877,527; Sept. 13.
Rubber materials, Desulphurizing. H. H. Culmer. 1,851,694; Mar. 29.
Rubber Method and apparatus for making thread. J. R. Gammeter. Reis. 18,625; Oct. 18.
Rubber, Method and apparatus for making thread. J. R. Gammeter. 1,846,253; Feb. 23.
Rubber, Method of and apparatus for testing. G. J. Albertoni. 1,846,241; Feb. 23.
Rubber mixing mill. H. A. Denmire. 1,850,450; Mar. 22.
Rubber, Perforating sheet. A. Ramsay. 1,862,633; June 14.
Rubber, Plasticizing. R. A. Dunham. 1,847,600; Mar. 1.
Rubber polymers, Production of synthetic. R. H. Gerke. 1,864,186; Apr. 19.
Rubber, Process and product for coloring. J. F. Darling and D. H. Powers. 1,846,320; Feb. 23.
Rubber, Process of and compound for treating. G. S. Whitby. 1,878,654–5; Sept. 20.
Rubber product and manufacturing same, Age resisting vulcanized. J. G. Ingram. 1,889,331; Nov. 29.
Rubber product and preparing same. D. H. Powers. 1,850,135; Mar. 22.
Rubber product and preparing same. D. H. Powers. 1,882,035; Oct. 11.
Rubber product, Manufacture of a vulcanized. H. G. Byers. 1,885,509; Nov. 1.
Rubber, Reclaiming. R. A. Dunham and M. T. Flaxman. 1,847,601; Mar. 1.
Rubber, Reclaiming. T. J. Fairley. 1,843,216; Feb. 2.
Rubber, Reconditioning old. A. W. Morton. 1,884,118; Oct. 25.
Rubber, Regeneration of vulcanized. O. G. Bohlin. 1,887,198; Nov. 15.
Rubber rings to hot fruit jars, Device for applying. M. T. Sueper. 1,863,704; June 21.
Rubber, Separation of. K. Illig and N. Schonfeldt. 1,885,831; Nov. 1.
Rubber set hair window channel. H. D. Randall. 1,843,433; Feb. 2.
Rubber sheeting, Apparatus for the manufacture of laminated. O. J. Kuhlke. 1,869,011; July 26.
Rubber sheets, Production of. D. J. P. Phillips. 1,876,432; Sept. 6.
Rubber stock fabricating machine. H. A. Denmire. 1,862,334; June 7.
Rubber stock feeding device. I. J. Remark. 1,871,560; Aug. 16.
Rubber strips from latex, Forming. C. R. Park. 1,866,820; July 12.
Rubber structure, Composite. C. H. Oakley. 1,853,990; Apr. 12.
Rubber substitute. K. A. Gillespie. 1,869,557; Aug. 2.
Rubber tubes or strips, Apparatus for forming. F. W. Bommer and C. E. Clarke. 1,876,600; Sept. 13.
Rubber to leather, Attaching. A. V. Thomas. 1,890,345; Dec. 6.
Rubber to metal and product, Cementing. R. M. Warner. 1,869,636; Aug. 2.
Rubber to metal and product thereof, Securing. C. M. Carson. 1,841,322; Jan. 12.
Rubber to metal, Union of. S. S. Kurtz, jr. 1,883,973; Oct. 25.
Rubber, Treating. T. J. Fairley. 1,843,388; Feb. 2.
Rubber treatment. J. A. Bertsch. 1,889,327; Nov. 29.
Rubber treatment. S. M. Cadwell. 1,840,932; Jan. 12.
Rubber treatment. S. M. Cadwell. 1,845,943; Feb. 16.
Rubber treatment. W. P. ter Horst. 1,870,880; Aug. 9.
Rubber, Treatment of. S. M. Cadwell. 1,843,443; Feb. 2.
Rubber, Treatment of. S. M. Cadwell. 1,871,037; Aug. 9.
Rubber, Treatment of. L. H. Howland. 1,849,489; Mar. 15.
Rubber, Treatment of. L. H. Howland. 1,864,067; June 21.
Rubber, Treatment of. L. H. Howland. 1,868,145; July 19.
Rubber vulcanization. H. M. Bunbury, W. J. S. Naunton, and W. A. Sexton. 1,851,419; Mar. 29.
Rubber vulcanization. L. A. Ediusd. 1,875,997; Sept. 6.
Rubber vulcanization. C. J. Randall. 1,871,083; Aug. 9.
Rubber vulcanization. R. L. Sibley. 1,865,728; July 5.
Rubber vulcanization and compound therefor, Accelerating. H. A. Morton. 1,852,721; Apr. 5.
Rubber, Vulcanization of. G. Brunl and T. G. Levi. 1,886,636; Nov. 8.
Rubber, Vulcanization of. H. M. Bunbury, W. J. S. Naunton, and W. A. Sexton. 1,879,068; Sept. 27.
Rubber vulcanization process. W. Scott. 1,869,624; Aug. 2.
Rubber, Vulcanizing. P. I. Murrill. 1,884,123; Oct. 25.
Rubber, Vulcanizing. P. I. Murrill. 1,884,124; Oct. 25.
Rubber, Vulcanizing. C. O. North and W. Scott. 1,856,819; May 3.
Rubber, Vulcanizing. W. Scott. 1,890,165; Dec. 6.
Rubber, Vulcanizing. G. H. Stevens. 1,856,596; May 3.
Rubber, Vulcanizing. G. H. Stevens. 1,861,987; June 7.
Rubber, Vulcanizing. G. H. Stevens. 1,867,034; July 12.
Rubber with aldehyde derivatives, and products, Treating. S. M. Cadwell. 1,843,341; Apr. 26.
Rubber working machine. F. H. Banbury. 1,881,994; Oct. 11.
Rubberized fabric. S. J. Williamson. 1,870,883; Aug. 9.
Rubbing mill. H. Gäbler. 1,855,830; Apr. 26.
Rubbish consumer, Portable. M. N. Suciu. 1,891,069; Dec. 13.
Ruching, Apparatus for making and applying. A. E. Collins. 1,863,189; June 14.
Rudder. A. W. Cross. 1,873,357; Oct. 11.
Rudder. R. Wagner. 1,844,303; Feb. 9.
Rudder arrangement. F. Hitzler. 1,872,038; Aug. 16.
Rudder construction, Tilting. J. W. Harvey. 1,850,669; Mar. 22.
Rudder control means for airships. W. V. N. Powelson and W. Travell. 1,863,149; Apr. 19.
Rudder post attachment. R. Hill. 1,858,046; May 10.
Rug. J. D. Harris. 1,871,849; Aug. 16.
Rug. J. P. Jewell. 1,877,742; Aug. 23.
Rug and manufacturing the same. F. C. Waite. 1,871,249; Aug. 9.
Rug and mattress cleaning rack. E. Grotelueschen. 1,876,860; Feb. 23.
Rug cleaning machine. A. S. Khanzadian. 1,861,476; June 7.
Rug cleaning machine. M. G. Miller. 1,885,464; Nov. 1.
Rug making machine. C. A. Dahlen. 1,883,599; Oct. 18.
Rug, Padding. D. F. Fowler. 1,860,090; May 24.
Rug, Pile fabric. J. Todd. Des. 86,182–4; Feb. 9.
Rug, Pile fabric. J. Todd. Des. 88,270–1; Nov. 8.
Rug tufting machine. J. E. Chalman. 1,864,414; June 21.
Rugs and other articles, Method of and apparatus for displaying. C. E. Gilbert. 1,858,269; May 17.
Rule, Circular slide. J. R. Dempster. 1,849,058; Mar. 15.
Rule, Computation. M. O. Schur. 1,870,655; Aug. 9.
Rule, Disk slide. J. R. Dempster. 1,868,816; July 26.
Rule, Flexible slide. G. Seebase. 1,892,012; Dec. 27.
Rule, Measuring. J. M. Dougovito. 1,888,113; Nov. 15.
Rule, Slide. A. W. Reuffel. 1,875,927; Sept. 6.
Ruler. S. M. Schwein. Method of. 1,864,096; June 21.
Ruler for use by draftsmen and others in drawing. D. W. B. Kurtz, jr. 1,877,341; Sept. 13.
Rules for printing, Setting. M. M. Leftwich. 1,854,552; Apr. 19.
Ruling and plotting device. C. L. Clark. 1,840,568; Jan. 12.
Ruling and printing machine. E. D. Doyle. 1,872,421; Aug. 16.
Ruling attachment for time recorders. W. A. Wood, jr. 1,878,562; Sept. 20.
Ruling machine. A. Broadmeyer. 1,846,582; Feb. 23.
Ruling machine. F. Winterdorfer. 1,854,739; Apr. 19.
Rumble seat. W. J. Winselman. 1,885,975; Nov. 1.
Runner: *See* Grinding runner.
Runner blading. L. F. Moody. 1,853,186; Apr. 12.
Runner, Casting. T. Brinkmann. 1,890,027; Dec. 6.
Runner for frameless sliding glass doors. G. Ziehl. 1,863,059; Jan. 26.
Runner for railway house cars. J. Reed. 1,839,440; Jan. 5.
Running board. B. Bronson. 1,842,504–5; Jan. 26.
Running board. B. Bronson. 1,861,430; May 31.
Running board. G. F. Cavanagh. 1,860,654; May 31.
Running board. H. D. Stewart. 1,873,504; Aug. 23.
Running board carrier, Automobile. F. S. Miller. 1,864,607; June 28.
Running board construction for freight cars. C. D. Bonsall. 1,847,375; Mar. 1.
Running-board for freight cars. R. V. Sage. 1,842,479; Jan. 26.

Running board for railway cars. J. R. Jones. 1,889,605; Nov. 29.
Running board mat, Vehicle. F. Klein. 1,863,660; June 21.
Running mold. O. Chiocchio. 1,857,237; May 10.
Runway, Fabricating a. H. D. Randall. 1,876,166; Sept. 6.
Runway for pipes. R. E. Daniel, R. K. Haughton, and S. B. Clark. 1,890,408; Dec. 13.
Runway for silding panes. H. D. Randall. 1,873,031; Aug. 23.
Runway, Lubricated window glass. E. W. M. Bailey. 1,873,529; Aug. 23.
Rural mail box. A. Coleman. 1,839,834; Jan. 5.
Rural mail box. F. Grimm. 1,879,200; Sept. 27.
Rust proofing apparatus. S. C. Saunders and C. C. Williams. 1,872,507; Aug. 16.
Rust proofing composition and making the same. M. Green and E. M. Jones. 1,842,085; Jan. 19.
Rustproofing material and treating the same. V. M. Darsey. 1,866,879; July 12.
Rust, scale, and sediment from the interior of metal surfaces, Removing. F. C. Battistella. 1,892,093; Dec. 27.
Saccharification of cellulose and the like, Process and device for the. H. Scholler. 1,890,304; Dec. 6.
Sack. W. L. Offenbacher. 1,881,890; Oct. 11.
Sack inserting machine. J. K. Volker and F. F. Truelsen. 1,878,627; Sept. 20.
Sack, Money. C. G. Calkins. 1,850,920; Mar. 22.
Sack open while picking potatoes or onions, Apparatus for holding the. J. A. Rodriguez. 1,882,931; Oct. 18.
Sacramental chest, Trinity. F. J. Quinn. Des. 88,739; Dec. 23.
Saddle. F. Mesinger. 1,865,872; July 5.
Saddle clamp. J. W. Brandt. 1,849,360; Mar. 15.
Saddle clamping. E. Van Hecke. 1,884,404; Oct. 25.
Saddle, Cycle. J. W. Brandt. 1,851,973; Apr. 5.
Saddle, Cycle. J. W. Brandt. 1,886,867; Nov. 8.
Saddle, Cycle. W. Schmidt. 1,881,136; Oct. 4.
Saddle, Spinning frame. T. K. Cox and H. L. Gassett. 1,860,452; May 31.
Saddle spring, Bicycle or motorcycle. C. R. Waldron. 1,848,286; Mar. 8.
Saddle, Sprinkling. J. Theys. 1,873,672; Aug. 23.
Sadiron. G. Martins. 1,849,940; Jan. 12.
Sadiron. G. Finn. 1,862,338; June 7.
Sadiron, Electric. G. A. Bell. 1,840,652; Jan. 12.
Sadiron, Electric. M. A. Rollman. 1,840,840; Jan. 12.
Sadiron, Electric. M. A. Rollman. 1,863,254; June 14.
Sadiron, Electric. G. Sick. 1,851,528; Mar. 29.
Sadiron stand. J. Keeper. 1,841,037; Jan. 12.
Sadiron, Steam heated. W. L. Tavender. 1,874,832; Aug. 30.
Safe. A. L. Abbott. 1,873,246; Aug. 23.
Safe. H. Hermani. 1,854,859; Apr. 19.
Safe. C. F. Wolters. Des. 87,772; Sept. 13.
Safe and the like, Disappearing door. A. L. Abbott and W. C. Miller. 1,873,522; Aug. 23.
Safe, Cake. H. Hermani. 1,863,790; June 21.
Safe, Double door floor. S. L. Belknap. 1,887,866; Nov. 15.
Safe, Loaded. C. F. Meilink. 1,869,704; Aug. 2.
Safe lock, Automatic time controlled. W. H. Morris. 1,841,252; Jan. 12.
Safe, Match. J. Erl and C. J. Hoffman. 1,877,568; Sept. 13.
Safe, Match. T. Sano. 1,862,944; June 14.
Safe, protective apparatus. J. W. Young. 1,850,337; Mar. 22.
Safe protective apparatus. J. W. Young. 1,859,122; May 17.
Safe, Provision. H. Hermani. 1,863,793; June 21.
Safe, Thermostatically controlled receding fireproof. B. F. Cisor. 1,863,040; June 14.
Safety apparatus. S. H. López. 1,874,770; Aug. 30.
Safety apparatus, Compound automatic. S. H. López. 1,884,980; Oct. 25.
Safety apparatus for aeroplanes. H. A. Thornton. 1,859,685; May 24.
Safety apparatus for internal combustion engines. N. E. Wetzbarger. 1,851,610; Mar. 29.
Safety appliance for aircraft. F. A. Townsley. 1,862,989; June 14.
Safety appliance for airplanes. T. B. Lyles. 1,892,556; Dec. 27.
Safety appliance for electrically heated apparatus. W. H. Bulpitt. 1,887,082; Nov. 8.
Safety appliance for ladders. J. F. Babitt. 1,879,017; Sept. 27.
Safety appliance for railway vehicles against overrunning of signals, Automatic. O. Koffler. 1,885,061; Oct. 25.
Safety attachment for fluid burners. P. V. Gloé. 1,876,495; Sept. 6.
Safety attachment for gas burners. A. T. Grentz. 1,865,901; July 5.
Safety attachment for mouse and rat traps. J. J. Reisiger. 1,841,981; Jan. 19.
Safety attachment for punch presses. B. J. Victor. 1,865,806; July 5.
Safety blow off device. H. Henderson. 1,859,670; May 24.
Safety blow-off device. M. Resek. 1,858,280; May 17.
Safety box toe and protector. W. H. Baynard and H. G. McMurray. 1,872,025; Aug. 16.
Safety brake. A. W. Moody. 1,879,630; Sept. 27.
Safety brake. C. G. Ross. 1,861,881; June 7.
Safety cap, Recoil preventing. D. Mapes. 1,853,629; Apr. 12.
Safety combination lock. W. F. Doenges. 1,847,071; Mar. 1.
Safety contact device for automobiles. R. P. Pescara. 1,878,313; Sept. 20.
Safety contrivance on permanent railway tracks. K. E. Wensel. 1,867,124; July 12.
Safety control for burner motors. J. O. Davis. 1,875,569; Sept. 6.
Safety control for gasoline dispensing systems. A. C. Mandel. 1,866,262; July 5.
Safety control for motor vehicles, Automatic. J. A. Vincent. 1,857,897; May 10.
Safety control system for hot wire ignition in fluid fuel burners. I. E. McCabe. 1,889,448; Nov. 29.
Safety coupling, Twist-off. C. Malinowski. 1,839,690; Jan. 5.
Safety cutter-holder for shaper spindles. W. B. Fetner. 1,842,964; Jan. 26.
Safety depository. W. E. Adams. 1,875,690; Sept. 6.
Safety device. F. Baumgartner. 1,870,217; Aug. 9.
Safety device. J. H. V. Finney. 1,863,155; June 14.
Safety device. R. Martin. 1,884,785; Oct. 25.
Safety device. F. E. Richards. 1,845,848; Feb. 16.
Safety device. J. Saur. 1,851,776; Mar. 29.
Safety device. W. D. Thomas. 1,864,697; June 28.
Safety device. C. E. E. Van Allen. Re18,315; Jan. 5.
Safety device. H. S. Wilson and A. E. Fohn. 1,883,248; Oct. 18.
Safety device, Automatic fire. W. Hunt. 1,868,708; July 26.
Safety device, Automatic reset. J. Dunlop. 1,864,588; June 28.
Safety device, Elevator car. J. Dunlop. 1,873,829; Aug. 23.
Safety device, Flying machine. N. P. Bruno. 1,874,237; Aug. 30.
Safety device for airplane pilots. R. E. Nidy. 1,881,878; Oct. 11.
Safety device for airplanes. A. Altieri. 1,889,766; Dec. 6.
Safety device for aeroplanes. P. Smith, and F. H. Mann. 1,881,034; Oct. 4.
Safety device for automobiles. G. F. Buresh. 1,848,313; Mar. 8.
Safety device for banks, etc. W. T. Baker. 1,865,296; June 28.
Safety device for boilers. W. H. Mitchell. 1,849,200; Mar. 15.
Safety device for carding machines. L. W. Radford. 1,868,615; July 26.
Safety device for cigarette cut-offs. E. D. Smith. 1,876,028; Sept. 6.
Safety device for circuitous elevators. G. Currie. 1,869,883; Aug. 2.
Safety device for clothes wringers. L. S. Gunderman. 1,840,316; Jan. 12.
Safety device for corn shredders. G. M. Merwin. 1,853,312; June 21.
Safety device for coupler pockets. L. L. Neebe. 1,862,418; June 7.
Safety device for cutting machines. W. Knapp. 1,888,679; Nov. 22.
Safety device for dynamo electric machines. G. E. Platzer. 1,840,129; Jan. 5.
Safety device for elevators. E. N. Baldwin. 1,873,809; Aug. 23.
Safety device for elevators. H. D. James. 1,874,044; Aug. 30.
Safety device for elevators. N. O. Lindstrom. 1,839,235; Jan. 5.
Safety device for elevators. J. F. Shinn. 1,867,991; July 19.
Safety device for firearms. L. Stange. 1,842,847; Jan. 26.
Safety device for firearms having a longitudinally movable closure element. L. Stange. 1,859,720; May 24.
Safety device for gas conduits. F. Mangiameli. 1,874,019; Aug. 30.
Safety device for gas stove manifolds. W. D. Antrim. 1,850,908; Mar. 22.
Safety device for hand fed power presses, or like machines. L. Le Vasseur. 1,850,404; Mar. 22.
Safety device for hoisting cages. H. H. and C. H. McDaniel. 1,861,930; June 7.
Safety device for hydraulic mechanisms. F. C. Wilson. 1,880,627; Oct. 4.
Safety device for internal combustion engines. M. S. Parfill. 1,856,584; May 3.
Safety device for laundry extractors. S. A. Sangsland. 1,887,519; Nov. 15.
Safety device for motion picture projecting machines. J. E. Cohen. 1,873,738; Aug. 23.
Safety device for motor cars. B. Silbermann. 1,878,194; Sept. 20.
Safety device for portable oil burners. Z. de Németh. 1,844,213; Feb. 9.
Safety device for presses. F. E. Dial and R. R. Rogers. 1,878,470; Sept. 20.

Safety device for presses. E. F. Hazenfield. 1,869,895; Aug. 2.
Safety device for prime mover. N. E. Wernberg. 1,851,611; Mar 29.
Safety device for printing presses. O. D. Bayrer. 1,871,772; Aug. 16.
Safety device for printing presses and the like. E. L. Mueller. 1,865,479; July 5.
Safety device for razor blades. C. F. Ern. 1,890,535; Dec. 13.
Safety device for rock drills. L. C. Bayles. 1,868,685; July 26.
Safety device for rock drills. E. B. Lear. 1,889,409; Nov. 29.
Safety device for rotating tools. A. M. Degner. 1,841,324; Jan. 12.
Safety device for shearing or punching machines or the like. C. Carroll and J. S. Hogue. 1,860,991; May 31.
Safety device for speed governors of the pickering or like type. F. O. Chorlton and J. R. Haworth. 1,857,765; May 10.
Safety device for stokers. W. Friedemann. 1,865,438; July 5.
Safety device for submarines. N. A. Hatch. 1,840,094; Jan. 5.
Safety device for suspended doors. H. C. Ball. C. R. Jackson, W. B. Keller, and J. Z. Winder. 1,863,961; June 21.
Safety device for transmissions. H. C. Carter. 1,859,115; Mar. 15.
Safety device for two-stroke cycle gas engines. L. Prechtel. 1,846,654; Feb. 23.
Safety device for use with earthing circuits in alternating current systems. E. Hamm. 1,889,832; Dec. 6.
Safety device for vault or safe door locks. J. Oleschack, jr. 1,857,971; May 10.
Safety device for vehicles. C. H. Schulman and M. Cohen. 1,852,860; Apr. 5.
Safety device for vehicles, particularly power driven vehicles. A. Addicks. 1,839,454; Jan. 5.
Safety device for wing type turbines, pumps, and similar pieces of apparatus with movable vanes. C. Schmitthenner. 1,848,881; Oct. 25.
Safety device, Railway crossing. B. N. Miner. 1,856,499; May 3.
Safety feeding device for clothes wringers. W. T. Clark. 1,866,084; July 5.
Safety fuse block. G. E. Wadsworth. 1,880,543; Oct. 4.
Safety glass. W. C. Dyer. 1,864,983; June 28.
Safety glass. M. Hagedorn and A. Jung. 1,861,915; June 7.
Safety glass. G. H. Peters. 1,882,298; Oct. 11.
Safety guard for clothes wringers. J. Schaffer. 1,857,876; May 10.
Safety igniter. T. Babin. 1,892,563; Dec. 27.
Safety inlet brake. B. V. E. Nordberg. 1,841,449; Jan 19.
Safety hook. R. Edwards. 1,842,593; Jan. 26.
Safety hook. C. C. Fox. 1,839,838; Jan. 5.
Safety hook. L. E. Wells. 1,886,138; Nov. 1.
Safety joint, Lockable. G. Stone. 1,883,071; Oct. 18.
Safety lock. J. R. Brandon. 1,844,459; Feb. 9.
Safety lock, Bank. J. R. Borba. 1,852,642; Apr. 5.
Safety lowering device. F. J. Winterer and A. E. Hogrebe. 1,880,375; May 31.
Safety mechanism for cranes. W. J. Keenan and G. Sather. 1,863,630; June 21.
Safety mechanism for fuel burning devices. W. W. Williams. 1,855,159; Apr. 19.
Safety mechanism for material handling machines. C. H. Wegner. 1,857,172; May 10.
Safety mechanism for monorail systems. R. M. Robertson. 1,841,454; Jan 19.
Safety operation by button. H. D. James. 1,874,754; Aug. 30.
Safety pilot light. F. A. Gauger. 1,886,876; Nov. 8.
Safety razor. L. L. Bautista. 1,884,525; Oct. 25.
Safety pressure head. J. H. McEvoy. 1,867,321; July 12.
Safety signal, Automobile. J. H. Partridge, jr. 1,843,387; Apr. 26.
Safety signal, Portable. P. Goodman. 1,863,442; June 14.
Safety skip control device. C. H. Wagner. 1,843,793; Feb. 2.
Safety snap hook. J. B. Freysinger. 1,879,167–8; Sept. 27.
Safety starter switch. E. J. Poole. 1,892,249; Dec. 27.
Safety strap, Aerial. E. L. Hoffman. 1,891,418; Dec. 20.
Safety surface for aerofoils. S. E. Hitt. 1,889,477; Nov. 29.
Safety swimming device. J. L. Kimmel. 1,885,606; Nov. 1.
Safety switch. B. W. Bell. 1,889,344; Nov. 29.
Safety switch. J. J. Dante. 1,857,711; May 10.
Safety switch. S. W. Mauger. 1,891,939; Dec. 27.
Safety switch. A. F. Meade. 1,855,581; Apr. 26.
Safety switch, Automatic electric. A. J. Butler and J. T. Williams. 1,845,234; Feb. 16.
Safety switch, Flashlight. G. B. Pratt. 1,860,842; May 31.
Safety system for self-propelled vehicles, Automatic. A. A. Thomas. 1,883,107; Oct. 18.
Safety throw-off iron. E. Timbs and L. E. Peck. Re18,620; Oct. 11.
Safety wrench. W. A. Pouñot. 1,860,871; May 31.
Safety zone. H. A. Moler. 1,870,638; Aug. 9.
Saggar. D. V. Robison. 1,848,200; Mar. 8.
Sail, Aircraft landing. H. Hein. 1,870,116; Aug. 2.
Sail for aircraft, Landing. H. Hein. 1,870,115; Aug. 2.
Sail, parachute, airplane wing and the like. P. A. Valle. 1,864,964; June 28.
Salad table. M. Ryan. 1,891,559; Dec. 20.
Salesbook. W. O. Critchfield. 1,857,013; May 3.
Sales service rack. J. J. Orlick. 1,884,160; Oct. 25.
Sales system, Automatic. H. R. Brand. 1,883,516–17; Oct. 18.
Sales transactions, Device for recording. J. E. Johnson. 1,855,398; Apr. 26.
Sales transactions, Device for recording. J. E. Johnson. 1,887,555; Nov. 15.
Salicylic ester carbonates, Making. E. F. Grether. 1,877,305; Sept. 13.
Saloon shooting. S. Wallace. 1,841,262; Jan. 12.
Salt and other fertilizing material, Manufacture of microcosmic. F. Mitteau. 1,859,833; May 24.
Salt, Dehydrating glauber. J. B. Pierce, jr. 1,886,580; Nov. 8.
Salt or the like, Method and apparatus employed in washing and purification of. T. Ray and J. R. Ray. 1,875,354; Sept. 6.
Salt, Solid diazonazometal halide double. K. Schnitzspahn. 1,889,298; Nov. 29.
Salt solutions, Purification of metallic. F. A. Henglein and F. W. Stauf. 1,839,220; Jan. 5.
Salt water reel, Sea. T. Phueger and W. L. Adams. Re18,580; Aug. 23.
Salter, P. E. Pearson. 1,892,627; Dec. 27.
Salts and liquors, Method and apparatus for separating. W. H. Allen, F. MacDonald, and A. Gale. 1,873,251; Aug. 23.
Salts and producing them, Double. H. Von Bramer. 1,852,687; Apr. 5.
Salts, Double. G. Hamprecht. 1,840,229; Jan. 5.
Salts from potassium chloride, Manufacture of postassium. L. Hackspill, D. Claude, L. E. Andres, and P. A. A. Rollet. 1,892,341; Dec. 27.
Salts from solutions and containing them, Crystallizing. D. F. Othmer. 1,879,445; Sept. 27.
Salts, Manufacture of amine. L. E. Mills. 1,843,693; Feb. 2.
Salts, Manufacture of ammonium. H. C. Moore. 1,884,105; Oct. 25.
Salts, Method and apparatus for dissolving. T. F. Courthope and W. B. McGuire. 1,892,331; Dec. 27.
Salts of acridine bases substituted in 9-position by basic residues, Readily soluble. A. Fehrle. 1,886,001; Nov. 1.
Salts of aliphatic acids, Manufacture of. C. Strosacker and E. L. Pelton. 1,884,354; Oct. 25.
Salts of antimony, Glucosaminic. A. Stoll and A. Hofmann. 1,858,187; May 17.
Salts of copper by electrolysis, Manufacture of derivative. R. Sanz. 1,855,141; Apr. 19.
Salts of 1-phenyl-2-aminopropane, G. A. Alles. 1,879,003; Sept. 27.
Salts of organic bases and preparing the same, Soluble. W. Schulemann, F. Schönhöfer, and A. Wingler. 1,872,826; Aug. 23.
Salts of the chloroethane sulphonic acid, Preparing. O. Ernst and K. Diedrichsen. 1,858,794; Nov. 22.
Salts of the metals of the iron group, Complex glucosaminic acid. A. Stoll and A. Hofmann. 1,888,186; Nov. 15.
Salts, Increasing the solubility of water-soluble. K. Hintzmann. 1,889,960; Dec. 6.
Salts of cellulose nitrate, Preparation of double. E. Lüscher. 1,889,863; Dec. 6.
Salts, Solid diazo. M. A. Dahlen. 1,863,154; June 14.
Salvage unit. G. Bontempi. 1,855,692; Mar. 29.
Salvage unit. L. M. Francis. 1,881,123; Oct. 4.
Salvaging apparatus. F. Gamba. 1,854,026; Apr. 12.
Sample case, Portable. W. Ochse. 1,869,710; Aug. 2.
Sample taking device. F. G. Kunz. 1,871,328; Aug. 9.
Sampler, Automatic. J. Lien. 1,860,107; May 24.
Samples of liquids, Apparatus for taking. R. Rousselet. 1,857,874; May 10.
Sampling apparatus. A. G. McGregor. 1,875,472; Sept. 6.
Sampling device. A. E. Calkins and L. Lawrence. 1,852,445; Apr. 5.
Sampling device. G. E. Silknitter. 1,883,021; Oct. 18.
Sampling machine. L. Anderson. 1,862,250; June 7.
Sampling tube. J. A. Stein and L. L. Vayda. 1,890,592; Dec. 13.
Sampling tube. J. A. Stein and L. L. Vayda. 1,890,627; Dec. 13.
Sand and gas separator. W. J. Dunlap. 1,868,003; July 19.
Sand and gravel cleaner. G. E. Keene. 1,851,186; Mar. 29.
Sand and similar material, Apparatus for handling. W. E. Naylor. 1,882,440; Oct. 11.
Sand and the like from fluids, Removing. F. W. Kerns and W. Egbert. 1,880,185; Sept. 27.
Sand and the like, Surfacing. N. DeJoy. 1,887,195; Nov. 8.
Sand, Apparatus for handling molders'. G. F. Royer. 1,860,481; May 31.
Sand blast apparatus. C. E. Billings and D. S. Sammis. 1,887,395; Nov. 8.

Sand blast apparatus. C. H. Billman. 1,882,541 ; Oct. 11.
Sand blast apparatus. D. S. Sammis. 1,877,255 ; Sept. 13
Sand blast apparatus. A. J. Walters. 1,849,895 ; Mar. 15.
Sand blasting method and apparatus. W. A. Rosenberger. 1,890,164 ; Dec. 6.
Sand blast machine. L. D. Pelk. 1,872,178 ; Aug. 16.
Sand blast machine. R. Ruemelin. 1,858,361 ; May 17.
Sand blast system. L. D. Pelk. 1,885,760 ; Nov. 1.
Sand blasting machine. I. W. Davis. 1,875,994 ; Sept. 6.
Sand blasting machine. F. H. Wolever. 1,858,475 ; May 17.
Sand blending apparatus. D. A. Weber. 1,845,374 ; Feb. 16
Sand catching means for railways. T. J. Skillman. 1,846,154 ; Feb. 23.
Sand core for casting metal and making same. B. F. Wallace. 1,889,007 ; Nov. 29.
Sand distributor for filling molding boxes and the like with molding sand. W. Seidemann. 1,865,145 ; June 28.
Sand drier. E. H. Campbell. 1,887,799 ; Nov. 15.
Sand, gravel, and chips spreader. R. J. Sager and F. L. Coffman. 1,848,750 ; Mar. 8.
Sand filter, Method of and apparatus for saturating. S. D. Rucker. 1,849,437 ; Mar. 15.
Sand mixtures, Preparing. L. E. Smoot. 1,851,115 ; Mar. 29.
Sand molding machine. E. C. Fielding. 1,890,808 ; Dec. 13.
Sand papering machine. F. F. Aurori and C. G. G. Schmidt. 1,881,162 ; Oct. 4.
Sand preparation. E. A. Inkley. 1,879,272 ; Sept. 27.
Sand ramming machine. A. F. Howe. 1,882,608 ; Oct. 11.
Sand rubbing machine, Foundry. E. Ronseray. 1,845,193 ; Feb. 16.
Sand screen. P. D. B. Pavone. 1,866,171 ; July 5.
Sand slinger. D. B. Dimick. 1,842,252 ; Jan. 19.
Sand trap. M. J. Combs. 1,852,920 ; Apr. 5.
Sand trap. R. A. Light and J. W. Price, jr. 1,854,994 ; Apr. 19.
Sand trap. R. A. Light and J. W. Price, jr. 1,879,810 ; Sept. 27.
Sand trap and deflector rifle, Vortex. R. L. Parshall. 1,858,231 ; May 10.
Sand trap for protection of shores, beaches, etc. D. J. Curney. 1,880,838 ; Oct. 4.
Sand treating apparatus. O. W. Hosking. 1,841,444 ; Jan. 19.
Sand tie grading apparatus, Process and apparatus for supplying. J. Soderberg. 1,885,775 ; Nov. 1.
Sand washer. G. W. Cole. 1,850,535 ; Mar. 22.
Sand washer, Mechanical. R. Clanton. 1,872,892 ; Aug. 23.
Sandal. W. H. Graves. Des. 88,777 ; Dec. 27.
Sandal. M. Meyer. Des. 87,021 ; May 24.
Sandal. M. Meyer. 1,864,254 ; June 21.
Sandal. M. Meyer and A. Heilbrunn. Des. 87,274 ; June 28.
Sandal. G. E. Sayers. 1,875,162 ; Aug. 30.
Sandal. H. Topoozian. 1,877,432 ; Sept. 13.
Sandal, Barber. M. E. Wolf. Des. 85,954 ; Jan. 5.
Sandal, Cross strap. W. S. Shaft. 1,884,301 ; Oct. 25.
Sandal, Foot corrective. R. R. Riehle and J. B. Pfailer. 1,867,679 ; July 19.
Sandal, Ice. W. H. Crap. 1,868,729 ; July 26.
Sandal or similar article. N. Fein. Des. 86,832 ; Apr. 26.
Sander and polisher, Portable. A. H. Roos. 1,868,507 ; July 26.
Sander and polisher, Universal. A. H. Roos and H. J. Riehle. 1,861,940 ; June 7.
Sander. S. V. Bowlby. 1,887,620 ; Nov. 15.
Sander, Floor. A. E. Forson, sr. 1,860,775 ; May 31.
Sander, Oscillating. E. P. Monsey. Des. 81,839 ; Oct. 11.
Sanding and polishing machine. R. L. Carter. 1,841,787 ; Jan. 19.
Sanding apparatus. J. M. Carr. 1,872,886 ; Aug. 23.
Sanding apparatus. A. T. Cowan. 1,877,475 ; Sept. 13.
Sanding appliance for use on motor vehicles. H. G. Wainscott. 1,853,948 ; Apr. 12.
Sanding device. E. G. and R. W. Hoffstadt. 1,855,966 ; Apr. 26.
Sanding device, Automobile. A. De B. Marryatt and G. H. Hopkins. 1,886,006 ; Nov. 15.
Sanding device for vehicles. L. L. Hopkins. 1,879,747 ; Sept. 27.
Sanding machine. R. D. Eaglesfield. 1,847,299 ; Mar. 1.
Sanding machine. A. G. Erickson and H. Johnson. 1,853,516 ; Apr. 12.
Sanding machine. R. Isenhour. 1,861,846 ; May 31.
Sanding machine. R. A. Reid. 1,872,502 ; Aug. 16.
Sanding machine. P. Rounsevelle. 1,881,031 ; Oct. 4.
Sanding machine. A. Schipper. 1,860,905 ; May 31.
Sanding or polishing machine, Automatic. A. S. Kux. 1,841,411 ; Jan. 19.
Sands for easily oxidizable metals such as magnesium, Preparing molding. G. Michel. 1,849,767 ; Mar. 15.
Sandwich assembling device. K. E. Bemis. 1,873,920 ; Aug. 23.
Sandwich machine, Frankfurter roll. D. A. Estrin. 1,879,146 ; Sept. 27
Sanitary appliance. V. A. Castle. 1,869,664 ; Aug. 2.
Sanitary closet. R. M. Hyde. 1,846,111 ; Feb. 23.
Sanitary comb. E. Silverman. 1,865,975 ; July 5.
Sanitary dispensing package. R. Wishart. 1,848,859 ; Mar. 8.
Sanitary dry closet. J. L. Hart, jr. 1,848,525 ; Mar. 8.
Sanitary fitting. C. C. Campus. 1,874,160 ; Aug. 30.
Sanitary napkin. E. E. Glomstead. 1,857,854 ; May 10.
Sanitary napkin. G. S. Mather. 1,843,037 ; Jan. 26.
Sanitary napkin. W. H. Ritter. 1,850,033 ; Mar. 15.
Sanitary napkin. H. R. Williams. 1,882,309 ; Oct. 11.
Sanitary napkins and machine for making same. O. T. Thompson. 1,869,177 ; July 26.
Sanitary package. J. A. Milner. 1,884,089 ; Oct. 25.
Sanitary sleeve for ice cream and other containers. C. M. Christian. 1,861,112 ; May 31.
Sanitary toilet. W. Holoff. 1,844,578 ; Feb. 9.
Saponaceous emulsion and process of producing the same. W. G. Soley. 1,862,322 ; June 7.
Sash, Adjustable. J. S. Deats. 1,877,280 ; Sept. 13.
Sash adjuster, Automatic storm. E. Albjerg. 1,875,642 ; Sept. 6.
Sash adjuster, Window. G. E. Morrow. 1,874,789 ; Aug. 30.
Sash and making same, Metal. D. Carlough. 1,843,356 ; Feb. 2.
Sash and muntin construction, Window. H. E. Campbell. 1,857,093 ; May 3.
Sash and ventilator, Sheet metal. E. F. Chaffee. 1,853,230 ; Nov. 1.
Sash apparatus, Window. F. L. Michaels. 1,841,838 ; Jan. 19.
Sash balance, Window. A. Larson. 1,864,745 ; June 28.
Sash, Balanced window. R. B. Browne. 1,870,730 ; Sept. 27.
Sash construction. P. A. H. Anderson. 1,839,367 ; Jan. 5.
Sash construction, Window. W. J. Hunt. 1,841,731 ; Jan. 19.
Sash construction. W. S. Hamm. 1,847,057 ; Mar. 1.
Sash construction. W. S. Hamm. 1,886,011 ; Nov. 1.
Sash construction. J. Marzullo. 1,841,902 ; Jan. 19.
Sash construction, Screwless glazing strip window. A. H. Schaffert. 1,848,907 ; Mar. 8.
Sash construction, Spring hung. S. Madsen. 1,889,752 ; Dec. 6.
Sash construction, Window. C. E. Conner and H. C. Ainsworth. 1,862,007 ; June 7.
Sash construction, Window. F. Pickel and W. von Poelgeest. 1,842,629 ; Jan. 26.
Sash construction, Window. F. Pickel and W. von Poelgeest. 1,847,895 ; Mar. 1.
Sash construction, Window. J. W. Smith. 1,839,353 ; Jan. 5.
Sash fixture, Friction. E. W. Cummings. 1,888,345 ; Nov. 22.
Sash guide. W. S. Hamm. 1,847,958 ; Mar. 1.
Sash guide, Sectional. Taylor. 1,855,005 ; Apr. 26.
Sash holding device. H. G. Kimbro. 1,877,465 ; Sept. 13.
Sash lock. Y. W. Ehret. 1,857,295 ; May 10.
Sash lock. W. S. Hamm. 1,884,283 ; Oct. 1.
Sash lock. C. H. Larson. 1,857,294 ; May 10.
Sash lock. H. D. Sevison. 1,842,882 ; Jan. 26.
Sash-lock, Automobile window. H. E. McAllister. 1,891,940 ; Dec. 27.
Sash lock, Window. E. J. Doucette. 1,854,646 ; Apr. 19.
Sash lock, Window. J. Niejadlik. 1,852,218 ; Apr. 5.
Sash lock, Window. W. D. Poole. 1,843,402 ; Feb. 2.
Sash operating device, Window. B. E. McIntyre. 1,864,253 ; June 21.
Sash operating means. J. R. Howard. 1,839,966 ; Jan. 5.
Sash operator, Automatic storm. F. B. Peters. 1,879,460 ; Sept. 27.
Sash, Pivoted end sliding window. C. Helman. 1,839,554 ; Jan. 5.
Sash, Pivoted window. S. I. Baer. 1,846,704 ; Feb. 23.
Sash restraining means, Window. J. H. Sheard. 1,845,448 ; Feb. 16.
Sash retainer, Window. J. Yacomis. 1,884,484 ; Oct. 25.
Sash, Revolving window. A. L. Bolles. 1,842,242 ; Jan. 19.
Sash, Revolving window. M. J. Siegel. 1,891,732 ; Dec. 20.
Sash, Storm. A. G. Siebenlist. 1,862,165 ; June 7.
Sash sustainers, Making. E. H. Ellison. 1,858,821 ; May 17.
Sash trimming machine. C. F. Paul. 1,847,411 ; Mar. 1.
Sash weight. T. E. McLaughlin. 1,853,916 ; Apr. 12.
Sash, Window. E. B. Albright. 1,849,780 ; Mar. 15.
Sash, Window. J. J. Hazlewood. 1,874,746 ; Aug. 30.
Sash, Window. Z. Ruchin. 1,851,524 ; Mar. 29.
Sashes, Operating means for ventilating. C. H. Hucke. 1,876,941-2 ; Sept. 13.
Saturating apparatus and saturating. C. J. Pater. 1,842,111 ; Jan. 19.
Saturator. A. E. F. Moone. 1,845,317 ; Feb. 16.
Sausage casing. H. R. De Cressey. 1,890,215 ; Dec. 6.
Sausage preparing apparatus. H. A. Edwards. 1,890,249 ; Dec. 6.
Sausage rolls and apparatus for use therewith, Making. J. U. Lemmon, jr. 1,876,701 ; Sept. 13.
Sausage rolls and knife therefor, Preparing. J. U. Lemmon, jr. 1,847,062 ; Feb. 23.
Sausage stuffer. A. C. Van Hooydonk. 1,880,182 ; Sept. 27.
Sausage stuffing machine. F. B. Anderson. 1,848,236 ; Mar. 8.
Sausage twisting machine. C. H. Allen and E. T. Robbeloth. 1,866,497 ; July 5.

Sausages, Apparatus and making. A. F. and A. L. Grabowski. 1,871,788 ; Aug. 16.
Sausages for display, Imitation. W. F. Henderson. 1,864,245 ; June 21.
Saw. E. W. Hutchings. 1,876,945 ; Sept. 13.
Saw. F. R. Kittle. 1,852,616 ; Apr. 5.
Saw. R. A. Rasner. 1,855,311 ; Apr. 26.
Saw. A. O. Schaefer. 1,850,478 ; Mar. 22.
Saw. E. R. Welch. 1,840,925 ; Jan. 12.
Saw, Adjustable portable power hand. A. N. Emmons. 1,848,330 ; Mar. 8.
Saw and drill mechanism, Power actuated. A. T. Pursell. 1,850,137 ; Mar. 22.
Saw and drill, Power. J. J. Schmidt and M. A. Frank. 1,840,533 ; Jan. 12.
Saw apparatus, Swing cut-off. L. S. Rosener, J. M. Smith, and E. L. Chafee. 1,856,169 ; May 3.
Saw arm, Radial. T. L. Hedgpeth. 1,846,641 ; Feb. 23.
Saw, Band. B. Erickson. 1,879,145 ; Sept. 27.
Saw band. O. Mitchell. 1,852,851 ; Apr. 5.
Saw blade, Hack. H. M. Germain. 1,858,705 ; May 17.
Saw blades, Apparatus for truing the teeth of. L. T. Medholdt. 1,844,330 ; Feb. 9.
Saw blades, Truing the teeth of. L. T. Medholdt. 1,844,225 ; Feb. 9.
Saw, Circular. J. T. H. Dempster. 1,873,700 ; Aug. 23.
Saw, Circular. W. G. Huther. 1,861,218 ; May 31.
Saw clamp. J. A. Waller. 1,867,042 ; July 12.
Saw clamp. J. A. Waller. 1,877,096 ; Sept. 13.
Saw, Combined rip and crosscut. R. Morris. 1,840,912 ; Jan. 12.
Saw cut-off, Automatic. C. A. Braun. 1,844,837 ; Feb. 9.
Saw, Drag. A. B. Christensen. 1,843,803 ; Feb. 2.
Sawdust burner. A. A. Halden. 1,840,668 ; Jan. 12.
Sawdust burner. C. J. Starburg and F. N. Carlson. 1,854,450 ; Nov. 5.
Sawdust, Removing. J. R. Shaw. 1,850,272 ; Mar. 22.
Saw filing machine. F. W. Wardwell, jr. 1,853,245 ; Apr. 12.
Saw filing or sharpening device. H. A. Harrison. 1,852,518 ; Apr. 5.
Saw frame, Adjustable. A. Loga. 1,865,026 ; June 28.
Saw gauge. T. J. Bradford. 1,864,634 ; June 28.
Saw gauge. A. J. Englund. 1,862,531 ; June 14.
Saw gauge. R. Hedberg. 1,861,502 ; June 7.
Saw guide. J. Vau Treek. 1,842,573 ; Jan. 26.
Saw guide wheel, Band. A. G. Carter. 1,870,402 ; Aug. 9.
Saw gumming machine, Gin. W. E. Smith. 1,868,855 ; July 26.
Saw, Hack. O. E. Newbauer. 1,841,627 ; Jan. 19.
Saw, Hack. H. A. Davies. 1,849,067 ; Mar. 15.
Saw handle, Combined plumb and level. F. L. Miller. 1,879,396 ; Sept. 27.
Saw handle, Foldable and adjustable. L. V. Cline. 1,842,012 ; Jan. 19.
Saw, Jig. R. H. Anderson. 1,856,740 ; May 3.
Saw, Jig. R. B. Combs. 1,839,647 ; Jan. 5.
Saw, Jig. F. E. Schneider. 1,852,193 ; Apr. 5.
Saw machine, Portable. K. O. Rodning. 1,842,630 ; Jan. 26.
Saw making machine. F. W. Wardwell. 1,867,240 ; July 12.
Saw making machinery. F. W. Wardwell. 1,872,535 ; Aug. 16.
Saw, Meat cutting band. P. Avila. 1,848,300 ; Mar. 8.
Saw mill. O. E. Haubrock. 1,874,519 ; Aug. 30.
Saw mill, Portable. G. Tanner. 1,846,621 ; Feb. 23.
Saw mill carriages, Dogging device for. F. E. Martin. 1,840,846 ; Jan. 12.
Sawmill dog. R. and S. B. Langill. 1,847,657 ; Mar. 1.
Sawmill dog. R. E. Langill. 1,866,937 ; July 12.
Sawmill dog. R. E. Langill and W. B. Grueter. 1,861,867 ; June 7.
Saw mill dogging means. G. M. Pelton. 1,852,364 ; Apr. 5.
Saw mill, Portable band. G. E. Campbell. 1,866,395 ; July 5.
Saw planer and planer for printers' use, Combination. J. A. Richards. 1,870,466 ; Aug. 9.
Saw, Portable electric. M. W. Bardwell. 1,845,644 ; Feb. 16.
Saw, Portable electric hand. R. Porcello. 1,881,295 ; Oct. 25.
Saw, Portable motor driven. H. P. Brumell. 1,850,444 ; Mar. 22.
Saw, Portable power driven. J. F. Haas. 1,854,510 ; Apr. 19.
Saw, Portable power driven. G. A. Ungar. 1,855,371 ; Apr. 26.
Saw, Post. A. F. Blessing. 1,847,919 ; Mar. 1.
Saw, Power. J. F. Hodgson. 1,858,015 ; May 10.
Saw, Power meat. E. F. Gaines. 1,870,774 ; Aug. 9.
Saw, Power-operated rail. E. A. Everett. 1,868,739 ; July 26.
Saw, Scroll. H. E. Tautz. 1,877,705 ; Sept. 13.
Saw set. C. K. Harris. 1,887,350 ; Nov. 8.
Saw set. W. V. Hawes. 1,878,396 ; Sept. 20.
Saw set. C. A. Johnson. 1,875,736 ; Sept. 6.
Saw set. J. P. Kosko. 1,845,423 ; Feb. 16.
Saw set. C. F. Mock. 1,867,520 ; July 12.
Saw set. B. H. Oliver. 1,857,563 ; May 10.
Saw set. A. Peterson and R. V. Cornell 1,851,773 ; Mar. 29.
Sawset. R. Weseman. 1,850,987 ; Mar. 22.
Saw set. A. H. Wolfe. 1,844,734 ; Feb. 9.
Saw setting machine. C. H. Hart. 1,859,363 ; May 24.
Saw sharpening device. C. M. Hickey. 1,846,331 ; Feb. 23.
Saw sharpening machines and the like, Positively actuated grinding wheel feed for. J. F. Oster. 1,850,331 ; Mar. 22.
Saw, Sliding. L. N. McCarter. 1,867,275 ; July 12.
Saw, Stone. G. A. Gavard. 1,889,983 ; Dec. 6.
Saw, Stone. A. E. Wienholz and F. Siefke. 1,876,480 ; Sept. 6.
Saw structure, Band. J. De Koning and C. H. Antrim. 1,841,939 ; Jan. 19.
Saw structure for portable motor tree saws, Chain. F. W. Meyer. 1,891,105 ; Dec. 13.
Saw swage. D. E. Gommel. 1,883,703 ; Oct. 18.
Saw swage. C. Morey. 1,863,910 ; June 21.
Saw teeth, Apparatus for shaping. C. A. Hach. 1,866,102 ; July 5.
Saw teeth, Apparatus for shaping. C. A. Hach and C. I. Hoke. 1,866,101 ; July 5.
Saw tooth. H. V. Jones. 1,866,356 ; July 5.
Saw tooth swage shaper. S. M. Taylor. 1,856,034 ; Apr. 26.
Saw, Trimmer. F. A. Nicholson and W. T. Pritchard. 1,848,794 ; Mar. 8.
Sawing machine. L. F. Dittmar. 1,880,885 ; Oct. 4.
Sawing machine. G. E. Hawley. 1,866,888 ; July 12.
Sawing machine. W. S. Smith. 1,849,439 ; Mar. 15.
Sawing machine, Cross-cut. E. W. Curtis. 1,854,111 ; Apr. 12.
Sawing machine, Portable link. H. Quist. 1,861,162 ; May 31.
Saws, Apparatus for dressing circular. J. A. Waller. 1,852,276 ; Apr. 5.
Saws, Attachment for band. F. G. Walker. 1,886,321 ; Nov. 1.
Saws, Device for setting circular. J. A. Weller. 1,878,077 ; Sept. 20.
Saws, Making. A. O. Schaefer. 1,841,455 ; Jan. 19.
Saws, Method of and apparatus for cleaning band. V. Oliver. 1,861,412 ; May 31.
Saws, Side dressing device for. W. Hempel. 1,861,531 ; June 7.
Saws with inserted teeth, Making circular. H. Langenbach. 1,842,789 ; Jan. 26.
Saxophone. F. Calvani. 1,873,184 ; Aug. 23.
Saxophone. L. Leblanc. 1,840,456 ; Jan. 12.
Saxophone. E. V. Powell. 1,854,454 ; Feb. 23.
Scaffold. A. T. Burt. 1,880,767 ; Oct. 4.
Scaffold. J. Delfs. 1,890,029 ; Dec. 6.
Scaffold. A. E. Lingo. 1,863,580 ; Apr. 12.
Scaffold. J. H. McMinn. 1,879,376 ; Sept. 27.
Scaffold bracket. J. H. Burkholder. 1,843,268 ; Feb. 2.
Scaffold bracket. H. B. Miller. 1,871,721 ; Aug. 16.
Scaffold, Collapsible. H. Ball. 1,856,149 ; May 3.
Scaffold, Derrick. O. H. Reeves. 1,864,934 ; June 28.
Scaffold, Suspended. W. E. Jones. 1,852,234 ; Apr. 5.
Scaffolding. M. D. Avallone. 1,868,187 ; July 19.
Scaffolding, Knockdown. J. F. Cavanagh. 1,871,041 ; Aug. 9.
Scale. T. C. Arnold. 1,892,032 ; Dec. 27.
Scale. E. E. Baldwin. 1,887,986 ; Nov. 15.
Scale. H. J. Behrens. 1,872,646 ; Aug. 23.
Scale. A. C. Burkhalter. 1,890,569 ; Dec. 13.
Scale. F. E. Carlson. 1,892,264 ; Dec. 27.
Scale. W. H. Gilbert. 1,853,206 ; Apr. 12.
Scale. N. A. Hallwood. 1,841,945 ; Jan. 19.
Scale. N. A. Hallwood. 1,861,087 ; May 31.
Scale. N. A. Hallwood. 1,875,809 ; Sept. 6.
Scale. C. B. Hankins. 1,880,436 ; Oct. 4.
Scale. L. Jaenichen. 1,850,628 ; Mar. 22.
Scale. L. Jaenichen. 1,853,618 ; Apr. 12.
Scale. M. J. Lachman. 1,847,770 ; Mar. 1.
Scale. W. S. Smith. 1,870,929 ; Aug. 9.
Scale. W. F. Simpson and W. E. Finch. 1,841,767 ; Jan. 19.
Scale. T. H. Strachan. 1,883,077 ; Oct. 18.
Scale. W. V. Sutton. Des. 88,686 ; Dec. 13.
Scale. G. Walker. 1,864,563 ; June 28.
Scale. H. L. Walker. 1,864,565 ; June 28.
Scale. G. R. Wood. 1,880,639 ; Oct. 4.
Scale and paper cutter, Letter. P. W. Stephens. 1,843,934 ; Feb. 9.
Scale and preventing the formation thereof, Removing boiler. H. H. Gray. 1,877,389 ; Sept. 13.
Scale, Automatic. M. Halleud. 1,845,146 ; Feb. 16.
Scale balance corrector. H. Meyerink. 1,873,657 ; Aug. 23.
Scale beam. R. A. Kopp. 1,872,465 ; Aug. 16.
Scale, Coin operated. H. O. Hem. 1,880,444 ; Oct. 4.
Scale column and tare beam box, Combined weighing. C. H. Jacobson. Des. 88,084 ; Nov. 22.
Scale, Combined weighing and counting. H. O. Hem. 1,851,542 ; Mar. 29.
Scale, Computing. F. M. Carroll. 1,856,411 ; May 3.
Scale, Computing. F. M. Carroll. 1,880,415 ; Oct. 4.
Scale, Computing. F. M. Carroll. 1,880,417 ; Oct. 4.
Scale, Computing. F. M. Carroll. 1,882,774 ; Oct. 13.
Scale, Computing. R. R. Sherer. 1,855,928 ; Apr. 26.
Scale, Computing. J. R. Smith and R. H. Hancock. 1,841,554 ; Jan. 19.
Scale construction. B. W. King. 1,842,029 ; Jan. 19.

Scale, Counting. H. O. Hem. 1,880,443 ; Oct. 4.
Scale deposited in steam boilers, feed water heaters and the like, Removing. M. Eilinger. 1,851,759 ; Mar. 29
Scale, Electrical. B. Townshend and J. D. Johnston. 1,878,554 ; Sept. 20.
Scale, Even-balance. H. A. Hadley. 1,882,419 ; Oct. 11.
Scale for charging machines. O. Tweit. 1,880,597 ; Oct. 4.
Scale for determining the color of egg meat. M. E. Pennington. 1,868,542 ; July 26.
Scale from bars, Cleaning. E. T. Ickes. 1,855,602 ; Nov. 1.
Scale from liquid evaporation surfaces, Apparatus and method for removing. A. H. Davis, jr. 1,840,834 ; Jan. 12.
Scale guard measuring device, Vernier. E. Berger. 1,888,305 ; Nov. 22.
Scale, Ice box. F. E. Justus. 1,852,973 ; Apr. 5.
Scale in gas cutting of metals, Controlling. C. J. Coberly. 1,872,410 ; Aug. 16.
Scale indicator control, Weighing. W. N. Gilbert. 1,879,153 ; Sept. 27.
Scale lock. C. B. Haskins. 1,880,437 ; Oct. 4.
Scale mechanism. L. O. Kelley. 1,865,015 ; June 28.
Scale mechanism. N. Tabbert. 1,890,906 ; Dec. 13.
Scale or incrustations in steam boilers and the like, Preventing formation of. G. S. Hessenbruch. 1,843,673 ; Feb. 2.
Scale, Over and under weight. H. L. Walker. 1,864,564 ; June 28.
Scale, Pendulum type. L. O. Kelley. 1,890,977 ; Dec. 13.
Scale, Personal weighing. A. A. Cailie. 1,843,479 ; Feb. 2.
Scale removers and the like, Controlling mechanism for. L. B. Elliott. 1,874,060 ; Aug. 30.
Scale removing apparatus. H. E. McCreery. 1,884,791 ; Oct. 25.
Scale, Slide. F. B. Huffman. 1,888,597 ; Nov. 22.
Scale, Spring. S. G. Averell. 1,840,347 ; Jan. 12.
Scale, Spring. S. G. Averell. 1,847,231 ; Mar. 1.
Scale, Spring. S. G. Averell and R. B. Wasson. 1,840,346 ; Jan. 12.
Scale, Stress determining. M. Berman. 1,880,683 ; Oct. 4
Scale structures. W. Schuster. 1,877,064 ; Sept. 13.
Scale structure, Weighing. P. Okey. 1,881,060 ; Oct. 4.
Scale, Total load recording. L. S. Williams. 1,864,570 ; June 28.
Scale, Trip. H. P. Sachse. 1,859,604 ; May 24.
Scale, Variable ratio compounding. E. G. Thomas. 1,880,974 ; Oct. 4.
Scale, Weighing. S. T. Allen. Des. 86,432 ; Mar. 8.
Scale, Weighing. J. H. Beard. 1,880,397 ; Oct. 4.
Scale, Weighing. F. Benucci. 1,880,098 ; Oct. 4.
Scale, Weighing. J. W. Bryce. 1,839,373 ; Jan. 5.
Scale, Weighing. J. W. Bryce. 1,870,233 ; Aug. 9.
Scale, Weighing. H. M. Cameron. 1,871,059 ; Aug. 16.
Scale, Weighing. F. E. Carlson. 1,875,218 ; Aug. 30.
Scale, Weighing. F. E. Carlson. 1,883,548 ; Oct. 18.
Scale, Weighing. T. B. Flanagan. Des. 88,287 ; Nov. 15.
Scale, Weighing. T. B. Flanagan. 1,885,765 ; Nov. 1.
Scale, Weighing. L. W. Fuller. 1,869,357 ; Aug. 2.
Scale, Weighing. W. N. Gilbert. 1,862,012 ; June 7.
Scale, Weighing. H. A. Hadley. 1,856,704 ; May 3.
Scale, Weighing. M. Halstead. 1,845,147 ; Feb. 16.
Scale, Weighing. N. A. Hallwood. 1,891,762 ; Dec. 20.
Scale, Weighing. C. H. Hapgood. 1,884,587 ; June 28.
Scale, Weighing. C. B. Haskins. 1,880,435 ; Oct. 4.
Scale, Weighing. H. O. Hem. 1,843,156 ; Feb. 2.
Scale, Weighing. H. O. Hem. 1,877,278 ; May 10.
Scale, Weighing. H. W. Hem. 1,880,445 ; Oct. 4.
Scale, Weighing. S. N. Hurt. 1,869,425 ; Aug. 2.
Scale, Weighing. C. O. Marshall. 1,865,326 ; June 28.
Scale, Weighing. C. O. Marshall and C. O. Hem. 1,878,160 ; Sept. 20.
Scale, Weighing. P. Pellischek. 1,851,110 ; Mar. 29.
Scale, Weighing. C. B. Reeves. 1,880,496 ; Oct. 4.
Scale, Weighing. O. C. Reeves and C. O. Marshall. 1,869,438 ; Aug. 2.
Scale, Weighing. M. H. Rice. 1,884,242 ; Oct. 25.
Scale, Weighing. C. O. Ross. 1,887,169 ; Nov. 8.
Scale, Weighing. H. C. Schaper. 1,840,823 ; Jan. 12.
Scale, Weighing. W. S. Smith. 1,884,320 ; Oct. 25.
Scale, Weighing. E. G. Thomas. 1,880,975 ; Oct. 4.
Scale, Weighing. E. F. Ulrich. 1,878,205 ; Sept. 20.
Scale, Weighing. A. van Duyn. 1,869,723 ; Aug. 2.
Scale, Weighing. A. Weckerly. 1,880,562-3 ; Oct. 4
Scale, Weighing. C. J. Zinke. 1,880,651 ; Oct. 4.
Scale, Weighing and counting. C. M. Sykes. 1,848,584 ; Mar. 8.
Scales, Attachment for platform. A. W. Grube. 1,875,235 ; Aug. 30.
Scales, Feeding device on automatic weighing. W. Kader. 1,846,559 ; Feb. 23.
Scales, Increasing the capacity of dial. M. H. Starr. 1,882,456 ; Oct. 11.
Scaling and corrosion of metal units, Preventing. G. S. Neeley. 1,891,004–5 ; Dec. 13.
Scaling device. J. C. van Alphen, P. Ter Haak, and T. Lechelt. 1,856,299 ; May 3.
Scanning apparatus and method. C. F. Jenkins. 1,844,508 ; Feb. 9.
Scanning screen. H. E. Sorg. 1,880,991 ; Oct. 4.
Scanning system. A. O. Tate. 1,880,294 ; Oct. 4.
Scarf. J. E. Assen. 1,842,138 ; Jan. 19.
Scarf. F. Ortell. Des. 88,478 ; Nov. 29.
Scarf and making the same. W. L. Blayney. 1,865,821 ; July 5.
Scarf or similar article. E. Castro. Des. 86,108–9 ; Feb. 2.
Scarf or similar article, Embroidered. L. Dinkelspiel. Des. 86,766 ; Apr. 19.
Scarf or similar article, Embroidered lace. L. Dinkelspiel. Des. 86,516 ; Mar. 15.
Scarf or similar article, Lace. H. W. Hucknall. Des. 86,253 ; Nov. 22.
Scarf or similar article, Lace. H. W. Hucknall. Des. 88,468 ; Nov. 29.
Scarf ring. R. Teshoff. 1,849,388 ; Mar. 15.
Scarifier. D. B. Cook. 1,860,805 ; May 31.
Scarifier. J. H. Kerber. 1,853,212 ; Apr. 12.
Scarifier. B. W. Willig. 1,863,780 ; June 21.
Scavenging mechanism for two-cycle engines. G. Bauer. 1,880,674 ; Oct. 4.
Scenic effect, Apparatus for. J. Norworth. 1,841,844 ; Jan. 19.
Scissor honing and corrugating device. M. L. Brooks. 1,863,433 ; June 14.
Scissors. C. Driest and H. D. Myers. 1,884,630 ; Oct. 25.
Scissors. C. L. Gilstrap and H. T. Smith. 1,862,079 ; June 7.
Scissors. F. H. Rauh. 1,870,025 ; Aug. 2.
Scissors. W. A. Zeidler. 1,847,801 ; Mar. 1.
Scissors, Convertible right- and left-handed. Q. W. Hershey. 1,846,867 ; Feb. 23.
Scissors shape collector for electric vehicles. A. Couwenhoven. 1,858,359 ; May 17.
Sconce, Wall. B. L. Watkin. Des. 87,427 ; July 26.
Scoop and scraper, Wheeled excavating. F. A. Grounds. 1,839,847 ; Jan. 5.
Scoop, Condenser. H. F. Schmidt. 1,862,282 ; June 7.
Scoop, Scale. E. Ittem. 1,886,958 ; Nov. 8.
Scoop structure. J. W. Patterson. 1,873,018 ; Aug. 23.
Scoop, Wire. N. F. Murray. 1,870,376 ; Aug. 9.
Scooter, Balanced power. W. V. Van Etten. 1,867,687 ; July 19.
Scooter. H. F. Shepherd. 1,890,755 ; Dec. 13.
Scorch preventing device for heat-seal wrapping machines. T. W. Alm. 1,875,975 ; Sept. 6.
Scoring and trimming machine. C. E. Ives. 1,887,307 ; Nov. 8.
Scoring board, Card game. W. A. O'Brien. Des. 87,976 ; Oct. 18.
Scoring device. N. E. Nicolet. 1,859,524 ; May 24.
Scoring device for soap roll. L. P. Tiers. 1,883,112 ; Oct. 18.
Scoring implement. D. J. Mayer. 1,839,240 ; Jan. 5.
Scoring mechanism for envelope machines and the like. A. Novick. 1,839,491 ; Jan. 5.
Scoring mechanism for use in envelope making machines. A. Novick. 1,839,492 ; Jan. 5.
Scotch block. S. W. Hayes. 1,864,539 ; June 28.
Scouring device. R. L. Hartwell. 1,890,812 ; Dec. 13.
Scraper. F. S. Casse. 1,872,887 ; Aug. 23.
Scraper. R. G. Le Tourneau. 1,857,157 ; May 10.
Scraper. R. G. Le Tourneau. 1,891,266 ; Dec. 20.
Scraper. H. R. Lytle. 1,885,528 ; Nov. 1.
Scraper. E. B. Maloon. 1,858,634 ; May 17.
Scraper. W. W. Shaver. 1,891,588 ; Dec. 20.
Scraper and apron. C. Le Bleu. 1,891,427 ; Dec. 20.
Scraper and leveler. C. Le Bleu. 1,863,861 ; June 21.
Scraper and leveler, Ground. M. Kiforsky. 1,844,167 ; Feb. 9.
Scraper attachment for tractors. J. A. de Nooy. 1,892,244 ; Oct. 11.
Scraper, Automatic. E. M. Enzenauer. 1,849,183 ; Mar. 15.
Scraper, Automatic control. C. P. Renaud. 1,858,599 ; May 17.
Scraper, Belt. V. V. Greg. 1,875,442 ; Sept. 6.
Scraper, Boller tube. W. Mac Lear. 1,859,148 ; May 17.
Scraper bowls, Endgate control mechanism for. C. E. Ball. 1,851,234 ; Mar. 29.
Scraper control. H. H. Barber. 1,882,736 ; Oct. 18.
Scraper, Disk harrow. W. D. Dewend. 1,873,207 ; Aug. 23.
Scraper, Ditch. R. S. Stephens. 1,851,333 ; Mar. 29.
Scraper for automotive vehicles, Wheel. A. Caskey. 1,872,120 ; Aug. 16.
Scraper for digging or leveling. C. Le Bleu. 1,891,428 ; Dec. 20.
Scraper for ditching machines. H. H. Barber. 1,888,515 ; July 26.
Scraper for excavating implements, Inter-tooth. J. O'F. Clark. 1,843,205 ; Feb. 2.
Scraper for sub-grading machines. R. W. Briggs and J. N. Summers. 1,853,036 ; Apr. 12.
Scraper for tractor wheels, Mud. H. H. and A. C. Frahm. 1,848,944 ; Mar. 8.
Scraper, Heavy-duty rotary. J. S. Reynolds. 1,843,339 ; Feb. 2.
Scraper, Hydraulic road. E. A. Weeks. 1,878,080 ; Sept. 20.
Scraper, Hydraulically operated road. G. E. Dean. 1,844,058 ; Feb. 9.
Scraper, Land. O. L. Posey. 1,844,229 ; Feb. 9.
Scraper, Meat block. H. A. Lindenschmitt. 1,855,299 ; Apr. 26.

Scraper or excavator, Twin tractor. C. C. and A. A. Andrews. 1,843,796; Feb. 2.
Scraper or grader. H. C. Buffington. 1,859,496; May 24.
Scraper, Power. L. E. Younie. 1,869,320; July 26.
Scraper, Railroad ballast. F. Speno. 1,873,794; Aug. 23.
Scraper, Reversible floor. A. W. Abrahamsen. 1,854,286; Apr. 19.
Scraper, Road. L. O. Beck. 1,854,167; Apr. 19.
Scraper, Road. G. E. Dean. 1,859,341; Mar. 22.
Scraper, Road. G. E. Dean and C. G. Willett. 1,841,402; Jan. 19.
Scraper, Road. F. R. Detrick. 1,870,673; Aug. 9.
Scraper, Road. H. E. Price. 1,840,820; Jan. 12.
Scraper, Road. H. E. Price. 1,865,587; July 5.
Scraper, Road. E. A. Weeks. 1,855,213–4; May 10.
Scraper, Single lever revolving. J. S. Reynolds. 1,852,062; Apr. 5.
Scraper, Snow. A. Nieman. 1,847,133; Mar. 1.
Scraper, Tongue. E. K. Mabry. 1,851,396; Mar. 29.
Scraper, Tractor mounted. R. G. Le Tourneau. 1,875,047; Aug. 30.
Scraper, Wood. P. S. and T. S. Vosbikian. 1,859,226; May 17.
Scrapers, Auxiliary loading wing for. W. H., I. D., and R. E. Guy. 1,863,844; June 21.
Scrapers, Device for setting the edges of. W. Potter. 1,855,557; Apr. 26.
Scratch pad device. D. Albritton. 1,875,543; Sept. 6
Screed for use in laying concrete and the like. D. H. Bingo. 1,880,706; Oct. 4.
Screen: *See*—
Anticlare screen.
Automobile screen.
Bar screen.
Centrifugal paperstock screen.
Door or window screen.
Draft screen.
Drum screen.
Dust and smoke screen.
Filler screen.
Fireplace screen.
Fish screen.
Flue spark screen.
Halftone screen.
Louver screen.
Light and ventilating screen.
Metal building screen.
Mill screen.
Motion picture screen.
Oil well screen.
Picture screen.
Picture viewing screen.
Projection screen.
Projector screen.
Pulp screen.
Removable screen.
Roller screen.
Rolling screen.
Rotary screen.
Sand screen.
Sifting screen.
Sound transmitting and light reflecting screen.
Talking picture screen.
Testing screen.
Vibrating screen.
Water screen.
Water well screen.
Well screen.
Window or door screen.
Window screen.
Windshield screen.
X-ray screen.
Screen. C. Bock. 1,851,616; Mar. 29.
Screen. J. Brewer. 1,857,425; May 10.
Screen. T. J. Davis. 1,858,917; May 17.
Screen. E. J. Downing. 1,859,379; Jan. 5.
Screen. A. A. Flint. 1,886,173; Nov. 1.
Screen. C. P. Hulst. 1,843,874; Feb. 2.
Screen. E. P. Le Gore. 1,844,967; Feb. 16.
Screen. E. P. Loahhin. 1,885,762; Nov. 1.
Screen. L. G. Symons. 1,839,610; Jan. 5.
Screen. L. G. Symons. 1,839,614–15; Jan. 5.
Screen adjusting mechanism, Wind. C. H. H. Rodanet. 1,857,261; May 10.
Screen and awning, Combined. J. F. Baumann. 1,870,765; Aug. 9.
Screen and furniture holder, Combined fire. B. Steiner. 1,881,333; Oct. 4.
Screen and glass window construction, Combination. H. P. Gronbech. 1,849,371; Mar. 15.
Screen and making the same. J. W. McNeely. 1,879,377; Sept. 27.
Screen and shutter set, Window. E. Van Buren. 1,841,226; Jan. 12.
Screen and shutters, Combined. G. Racy. 1,871,557; Aug. 16.
Screen and support therefor, Window. M. J. Tracy. 1,869,786; Aug. 2.
Screen and window construction for vehicles, Combination C. W. Butterfass. 1,870,400; Aug. 9.
Screen apparatus for automobile windows. M. Weinberger. 1,875,987; Sept. 6.
Screen attachment for automobile windows. P. V. and T. N. Hicks. 1,854,138; Apr. 12.
Screen cleaning device, Window. M. W. Gray. 1,861,179; May 31.
Screen construction for automobiles. A. P. Ball. 1,851,233; Mar. 29.
Screen cotton separator, Revolving. J. J. Wallace. 1,849,649; Mar. 15.
Screen fixture, Window. F. B. Valladon. 1,871,928; Aug. 16.
Screen fly trap. C. J. Smith. 1,880,988; Oct. 4.
Screen for automobiles, Roller. W. Rogers. 1,863,355; June 14.
Screen for dual-intensity headlights. H. Fruchtenicht. 1,882,137; Oct. 11.
Screen for mechanically propelled vehicles, Wind. H. I. F. Dvernden. 1,846,937; Feb. 23.
Screen for motor vehicles, Window. H. A. Westrick. 1,863,428; June 14.
Screen for projected pictures. J. E. Spalding. 1,882,454; Oct. 11.
Screen for projecting machines. E. E. Wagner. 1,868,551; July 26.
Screen for wall apertures. E. T. Fisk. 1,878,626; Sept. 20.
Screen grid tube. H. O. Peterson. 1,873,026; Aug. 23.
Screen grid tube. B. van der Pol and K. Posthumus. 1,865,065; June 28.
Screen hanger mechanism. J. D. Dyer. 1,840,388; Jan. 12.
Screen means for windows or doors, Insect proof. L. C. Johnston. 1,887,646; Nov. 15.
Screen mounting and weather strip for casement windows, Combination. H. Dixson. 1,866,882; July 12.
Screen operator, Window. A. Indeck. 1,841,126; Jan. 12.
Screen organization for filter outlets. M. P. and J. W. Brown. 1,855,994; Apr. 26.
Screen or visor for motor vehicles, Glare. F. J. Chapman. 1,885,310; Nov. 1.
Screen plates, Making. W. E. McMurray. 1,859,784; May 24.
Screen printing machine. J. Flockhart. 1,891,622; Dec. 20.
Screen reenforcement, Window. A. F. Nye. 1,892,001; Dec. 27.
Screen retaining means, Rolling. A. J. Schmiedeskamp. 1,882,982; Oct. 18.
Screen roller adjustment device. H. P. Gronbech. 1,877,853; Sept. 20.
Screen separating means. D. S. Paterson and G. B. Perschc. 1,848,141; Mar. 8.
Screen stencil frame. J. Flockhart. 1,892,268; Dec. 27.
Screen structure, Radiator. N. W. Traviss. 1,860,697; May 31.
Screen, Well. E. E. Johnson. 1,858,592; May 17.
Screening and concentrating apparatus. E. O'Toole 1,888,638; Nov. 22.
Screening and moistening apparatus. B. G. Klugh. 1,872,301; Aug. 16.
Screening apparatus. M. P. Reynolds. 1,882,908; Oct. 18.
Screening apparatus. G. F. Royer. 1,860,480; May 31.
Screening device, Conveyer operated. H. A. Davis. 1,844,283; Feb. 9.
Screening mechanism. H. H. Barber. 1,846,669; Feb. 23.
Screening mechanism. G. C. Crangle. 1,865,745; July 5.
Screenings burner. J. C. Woodman. 1,877,214; Sept. 13.
Screens, Articulated drive shaft for flat. S. B. Gorbutt 1,853,254; Nov. 1.
Screens, Making multicolor copying. F. Piller, jr. 1,848,802; Mar. 8.
Screens, Manufacture of. J. Heidenhain. 1,877,310; Sept. 13.
Screens, Making projecting. T. Suzuki. 1,891,849; Dec. 20.
Screens, Method and apparatus for setting. S. E. Manning. 1,888,405; Nov. 22.
Screens, shaking tables, and other apparatus, Apparatus for vibrating. J. W. Sherwen. 1,864,863; June 28.
Screens to radiators, Securing. G. F. Hughes. 1,839,551; Jan. 5.
Screw. H. F. Kellogg. 1,860,715; May 31.
Screw. L. Muhlig. 1,872,166; Aug. 16.
Screw. Antifriction. C. J. Westling. 1,885,970; Nov. 1.
Screw bolt or similar article. H. Rosenberg. Des. 87,595; Nov. 22.
Screw can applying machine. A. I. Risser. 1,888,470; Nov. 22.
Screw cap. E. Scofield. 1,842,429; Jan. 26.
Screw cutting die. F. W. Wells. 1,873,216; Sept. 20.
Screw cutting method and means. A. L. De Leeuw. 1,865,239; June 28.
Screw device, Self-lock. G. C. Trotter. 1,874,389; Aug. 30.
Screw device, Self-locking. G. C. Trotter. 1,874,657; Aug. 30.
Screw, Drive. C. E. Nagel. 1,891,895; Dec. 20.
Screw driver. H. J. Cook. 1,839,835; Jan. ..
Screw driver. H. B. Curtis and A. B. Keating. 1,888,222; Nov. 22.
Screw driver. G. Edstrom. 1,862,470; June 7.
Screw driver. A. Gibson. 1,846,857; Feb. 23.
Screw driver. R. P. Henry. 1,888,081; Nov. 15.
Screw driver. E. Krull. 1,845,923; Feb. 16.
Screw driver. T. J. Richey. 1,882,913; Oct. 18.
Screw driver and wrench friction drive. A. G. Decker. 1,874,250; Aug. 30.
Screw driver, Portable motor driven. E. L. Connell. 1,839,648; Jan. 5.
Screw driver, Power. J. Q. Holmes. 1,842,830; Jan. 26.
Screw driver, Screw holding. P. Gelinski. 1,868,009; July 19.
Screw driving mechanism. D. D. Rock. 1,882,924; Oct. 18.
Screw extractor. E. J. Bryant. 1,844,241; Feb. 9.
Screw extractor. F. Nigra. 1,875,484; Sept. 6.
Screw feeding device. A. L. Currier. 1,880,840; Oct. 4.
Screw for extruding machines, Stock. V. E. Royle. 1,886,592; Nov. 8.
Screw holding attachment for screw drivers. H. C. Humes and G. L. Robinson. 1,889,330; Nov. 29.
Screw holding device. C. I. Richey. 1,868,559; May 17.
Screw jack. W. C. Tyler. 1,879,999; Sept. 27.

Screw jack, Double lift single. J. A. Morrison. 1,862,759; June 14.
Screw jack mechanism. H. W. Clark. 1,842,959; Jan. 26.
Screw machine. C. A. Rich. 1,846,497; Feb. 23.
Screw machine, Automatic. C. A. Rich. 1,877,693; Sept. 13.
Screw machine for cutting single point double thread screws. J. A. Arenz. 1,865,226; June 28.
Screw machine (movable latch). A. A. Arenz. 1,867,796; July 19.
Screw machine, Multiple-spindle automatic. A. Gerstadt. 1,870,724; Aug. 9.
Screw mounting. H. D. Sevison. 1,878,898; Sept. 20.
Screw pile. E. Geiger. 1,848,339; Mar. 8.
Screw propeller. H. Hermanson. 1,851,088; Mar. 29.
Screw propeller. E. A. L. Thayer. 1,892,182; Dec. 27.
Screw propeller for aircraft. R. Chillingworth. 1,883,336; Oct. 18.
Screw propeller for flying machines and other aerodynamics apparatus. P. Poot. 1,861,065; May 31.
Screw propeller for use upon aircraft. H. Sukohl. 1,857,678; May 10.
Screw retaining device for eyeglass rims,. W. Lobenstein. 1,882,353; Oct. 11.
Screw, Self locking. C. G. Olson. 1,874,595; Aug. 30.
Screw shaving and slotting machine. F. E. Newton. 1,877,632; Sept. 13.
Screw, Set. F. R. McCrudden. 1,849,240; Mar. 15.
Screw, Single thread barbed drive. J. A. Arenz. 1,855,028; Oct. 20.
Screw sorting machine, Automatic. N. E. Fielder. 1,882,130; Oct. 11.
Screw thread, Protected. G. O'Connor and C. J. Hobart. 1,847,779; Mar. 1.
Screw tap. H. Steinruck. 1,874,878; Aug. 30.
Screw tap, Telescopic. Wrecker. 1,886,851; Nov. 8.
Screw thread. N. Trbojevich. 1,876,796; Sept. 13.
Screw thread gauge. W. E. Hoke. 1,862,146; June 7.
Screw thread gauge. W. E. Hoke. 1,877,871-2; Sept. 6.
Screw thread gauge. W. E. Hoke. 1,887,131; Nov. 8.
Screw thread gauge. R. Thomson. 1,875,899; Sept. 6.
Screw thread lock. E. R. Llewellyn. 1,845,628; Feb. 16.
Screw thread lock. E. R. Llewellyn. 1,881,749; Oct. 11.
Screw threads, Gauging. W. E. Hoke. 1,862,145; June 7.
Screw valve gate. F. C. Cruff and A. A. Giuste. 1,875,857; Sept. 6.
Screw vise. H. Vogl. 1,887,829; Nov. 15.
Screw with tightening pressure, Safety. P. Rosset. 1,851,213; Mar. 29.
Screws, Apparatus for the manufacture of. D. Swendsen and E. Lehmann. 1,851,783; Mar. 29.
Screws, Making hollow metallic air. M. Pillard. 1,890,747; Dec. 13.
Screws, nails, and the like, Extracting broken. A. B. Willis. 1,848,590; Mar. 8.
Screws with one or two appending washers, Manufacturing. H. Schmidt, H. Lahn. 1,865,415; July 19.
Scribing gauge, Edge-guided. E. Hallgren. 1,847,481; Mar. 1.
Scroll and line indicator. L. H. Robinson. 1,875,659; Sept. 6.
Scroll shear device. M. L. Heald. 1,846,330; Feb. 23.
Scrub hook. Draw cut. R. E. Richmond and A. S. Baldwin. 1,855,200; Apr. 26.
Scrubber. P. Lungstras. 1,869,758; Aug. 2.
Scrubbing and absorbing apparatus. F. R. Zumbro. 1,891,443; July 19.
Scrubbing device. A. A. Kleist, L. M. Aasved, and L. A. R. Aske. 1,847,766; Mar. 1.
Scrubbing machine, Rotary. H. A. Brim. 1,870,232; Aug. 9.
Scum and efflorescence on brick and clay wares, Preventing. J. B. Pierce, jr., and R. L. Curnes. 1,873,887; Sept. 20.
Scums of all kinds, Centrifugal method of treating. J. Bergès. 1,851,331; Mar. 29.
Scythe. M. Wratschko. 1,840,345; Jan. 12.
Scythe, strawknife, and the like. I. Gonyk. 1,851,829; Mar. 29.
Seadrome. E. R. Armstrong. 1,892,125; Dec. 27.
Seadrome or airplane landing. N. D. Brayman and A. Follon. 1,851,551; Mar. 29.
Seal. H. V. Atwell. 1,871,943; Aug. 16.
Seal. B. Borland. 1,850,825; Mar. 22.
Seal. N. Jacquet. 1,863,004; June 14.
Seal. F. Keidel. 1,881,081; Oct. 4.
Seal. F. Keidel. 1,887,557; Nov. 15.
Seal. J. B. Murray. 1,878,991; Sept. 20.
Seal. H. Pittlick. 1,839,340; Jan. 5.
Seal. T. G. Stiles. 1,886,451; Nov. 8.
Seal. R. H. White. 1,882,679; Oct. 18.
Seal and bearing construction. R. T. Smith. 1,852,681; Apr. 5.
Seal and forming the same, Strap. J. E. Ott. 1,891,239; Dec. 20.
Seal, Bag. B. D. Osteen. 1,889,001; Nov. 29.
Seal cap adapted for valve stems. L. C. Broecker. Des. 86,154; Feb. 9.
Seal cleaning machine. F. E. Fowler. 1,875,232; Aug. 30.
Seal closure device for vertical distillation retorts, Liquid. J. Pieters. 1,842,281; Jan. 19.
Seal, Coffee maker. F. E. Wolcott. Des. 86,428; Mar. 1.
Seal, Combination desk and pocket. E. J. Rantsch. 1,852,587; Apr. 5.
Seal, Composite disc. W. F. Oberhuber. 1,869,577; Aug. 2.
Seal, Condenser. F. R. Kemmer. 1,852,525; Apr. 5.
Seal, Container. G. W. Curtis. 1,878,677; Sept. 20.
Seal, Conveyer slot. J. C. Woodson. 1,861,465; June 7.
Seal device for regulators, Liquid. A. D. MacLean and C. B. Johnson. 1,865,870; July 5.
Seal, Documentary. M. H. and W. Jackson. 1,861,572; June 7.
Seal, Door. M. N. March. 1,847,335; Mar. 1.
Seal, Emulsion preventing. E. Mendenhall and J. B. Van Horn. 1,879,626; Sept. 27.
Seal for absorption systems, Liquid. A. C. Schickler. 1,842,492; Jan. 26.
Seal for bung fixtures. I. H. Rieke. 1,879,500; Sept. 27.
Seal for compression apparatus, Gas. W. E. Goldsborough. 1,872,934; Aug. 23.
Seal for compressors, Shaft. C. E. Ploeger. 1,841,298; Jan. 12.
Seal for double doors, Weather. H. B. Wuebling. 1,846,586; Jan. 19.
Seal for dynamo-electric machines, Oil. K. Von Kando. 1,871,286; Aug. 9.
Seal for electric discharge devices. J. W. Case. 1,863,394; June 14.
Seal for fire extinguishing chambers, Releasing-. J. Salmond. 1,847,628; Mar. 1.
Seal for floating decks. A. M. Griffin. 1,892,144; Dec. 27.
Seal for floating roofs. D. E. Larson. 1,861,868; June 7.
Seal for gas making apparatus, Hydraulic. P. W. Thayer. 1,851,069; Mar. 29.
Seal for ice making compartments. M. C. Terry. 1,847,026; Feb. 23.
Seal for laminated glass. G. B. Watkins. 1,854,496; Apr. 19.
Seal for mercury vapor rectifiers, Internal. A. Gaudenzi. 1,872,860; Aug. 30.
Seal for paper bags, Metal. H. G. Eynon and W. J. Kinderman. 1,875,919; Sept. 6.
Seal for pumps. R. H. Durdin, jr. 1,850,749; Mar. 22.
Seal for rectifiers, Solid electrolyte. O. K. Marti. 1,873,973; Aug. 30.
Seal for rotating shafts. G. J. Cooke. 1,869,933; Aug. 2.
Seal for scales. J. W. Bryce. 1,853,199; Apr. 12.
Seal for shaft bearings. A. C. Durdin, jr. 1,880,911; Oct. 4.
Seal for shafts. A. C. Durdin, jr. 1,859,436; May 24.
Seal for shafts. A. C. Durdin, jr. 1,862,887; June 14.
Seal for shafts. A. C. Durdin, jr. 1,866,701; July 12.
Seal for shafts. J. T. Varden. 1,864,683; June 28.
Seal for tractor truck rollers, Oil and dirt. D. B. Baker 1,886,971; Nov. 15.
Seal for wells, Casing. M. G. Stewart. 1,860,268; May 24.
Seal for well tubing, Temporary. H. C. Otis. 1,884,165; Oct. 25.
Seal, Freight car. C. K. Goschnick. 1,866,461; July 5.
Seal, Furnace door. G. D. White. 1,841,391; Jan. 19.
Seal, Gas tight. G. Buechi. 1,888,070; Nov. 15.
and N. O. Panzegrau. 1,886,147; Nov. 1.
Seal, Joint. H. Hardinge. 1,859,771; May 24.
Seal-joints, Package strapping. J. W. Leslie. 1,866,894; July 12.
Seal, Liquid. P. Herber. 1,889,360; Nov. 29.
Seal, Liquid film. C. W. Rice. 1,885,546; Nov. 1.
Seal lock. O. M. Barnes. 1,854,574; Apr. 19.
Seal, Lubricant. S. C. Leonard, jr. 1,849,404; Mar. 15.
Seal, Lubricant. W. A. Mulhern. 1,872,788; Aug. 23.
Seal or guard. O. W. Young. 1,890,839; Dec. 13.
Seal or tag affixing machine. D. D. Levy. 1,852,426; Apr. 5.
Seal, Package. C. Boffino. 1,876,391; Sept. 6.
Seal, Pipe coupling. R. Salbador. 1,839,598; Jan. 5.
Seal, Receptacle. J. F. Jones and R. W. Nelson. 1,862,088; June 7.
Seal ring. M. H. Ackerman. 1,848,595; Mar. 8.
Seal ring. M. H. Ackerman. 1,851,075; Mar. 29.
Seal ring. M. H. Ackerman. 1,851,076; Mar. 29.
Seal, Shaft. W. E. Bihl and A. Ramclaw. 1,860,981; May 31.
Seal, Silo. F. Günther. 1,872,735; Aug. 23.
Seal trap. P. Norberg. 1,848,541; Mar. 8.
Seal, Valve. W. F. Grant. 1,858,887; May 17.
Sealed can. H. Sebell. 1,847,270; Mar. 1.
Sealer and opener, Combined envelope. C. M. Boudette. 1,883,105; Nov. 1.
Sealer, Electric. A. Groh. 1,856,414; May 3.
Sealer, Strip paper. H. H. Hillmer. 1,858,207; May 10.
Sealing and air pressure device, Pneumatic. J. Willson. 1,843,532; Feb. 2.
Sealing and release device. A. C. Rowley. 1,863,455; June 14.
Sealing and thrust device. W. H. Carrier. 1,871,661; Aug. 16.
Sealing apparatus. F. Zampari. 1,855,813; Apr. 26.
Sealing cap for the plugs of metallic drums and the like. L. B. Wackman. 1,891,033; Dec. 13.
Sealing composition. E. R. Hanson and M. E. Delaney. 1,865,629; July 5.
Sealing composition for waterless gas holder, Solid. R. R. Wagner. 1,876,805; Sept. 13.
Sealing compound for cans and other containers. A. H. Smith and C. L. Shreiner. 1,881,142; Oct. 4.
Sealing device. W. M. Brooks. 1,847,552; Mar. 1.

Sealing device. A. Goodheim and E. Wagner. 1,881,271; Oct. 4.
Sealing device. T. Reed. 1,850,566; Mar. 22.
Sealing device. C. Schmitthenner. 1,866,580; July 12.
Sealing device. M. E. Thompson. 1,845,993; Feb. 16.
Sealing device for cigar wrapping machines. F. X. Malocsay. 1,887,844; Nov. 15.
Sealing device for pneumatic tires and other gas filled containers, Puncture. M. J. Galvin. 1,891,975; Dec. 27.
Sealing device for use with electric cables and other apparatus. W. Holttum. 1,875,732; Sept. 6.
Sealing gland. C. I. Longenecker. 1,888,957; Nov. 22.
Sealing gland for rotatable shafts. G. W. Penney. 1,840,127; Jan. 5.
Sealing machine. A. Podel. 1,841,051; Jan. 12.
Sealing machine, Automatic. H. J. Barnett and H. P. Trusty. 1,874,224; Aug. 30.
Sealing machines or the like. Stop mechanism for can. A. K. Malmquist. 1,884,782; Oct. 25.
Sealing means for fluid storing containers. F. Schürmann. 1,765,969; July 5.
Sealing means for stop valves, cocks, faucets, and the like. E. Otton. 1,845,002; Feb. 16.
Sealing means for submersible motors. C. R. Buchet. 1,887,540; Nov. 15, 1,845,330; Feb. 2.
Sealing strip construction. C. G. Johnson. 1,880,254; Oct. 4.
Sealing wax. Device for applying. D. V. Wester. 1,888,403; Nov. 22.
Sealpit stock saver. H. G. Cram. 1,860,610; May 31.
Seals. J. B. Reploglé. 1,839,264; Jan. 5.
Seals for cast castings. Oil and fat. D. B. Baker and N. O. Panzegrau. 1,878,804; Sept. 20.
Seam finishing machine. V. G. Terry. 1,856,174; May 3.
Seam fitting garments. I. Pilarsky. 1,843,494; Feb. 2.
Seam pressing machine. W. P. Osgood. 1,850,120; Mar. 22.
Seam pressing machine. W. P. Osgood. 1,881,414; Oct. 4.
Seam welding machine. J. R. Brueckner. 1,862,108; June 7.
Seaming and pinking machine, Combined. H. F. Gruman. 1,891,308; Dec. 20.
Seams, Apparatus for opening and pressing. H. Tanner. 1,851,467; Mar. 29.
Seams, Making French. H. F. Gruman. 1,866,647; July 12.
Seaplane. H. H. Semmes. 1,863,944; June 21.
Seaplane. H. H. Semmes. 1,879,547; Sept. 27.
Seaplane runway. O. A. Sandquist. 1,859,787; May 24.
Searchlight. E. Pearse. 1,855,867; Apr. 26.
Searchlight control. C. B. Mills and P. R. Bassett. 1,850,598; Mar. 22.
Search-light testing attachment. N. Roe. 1,852,190; Apr. 5.
Seasoning and testing machine, Automatic. J. E. Ferguson and C. A. Nicolai. 1,842,158; Jan. 19.
Seasoning machine. A. A. Angell. 1,854,171; Apr. 19.

Seat; Seats.

Adjustable audience seat.	Folding seat.
Adjustable seat.	Reclining seat.
Air cushion seat.	Rumble seat.
Automobile seat.	Spring seat.
Baby sanitary toilet seat.	Swivel seat.
Bicycle and motor-cycle seat.	Toilet seat.
Bleacher seat.	Valve and valve seat.
Car seat.	Valve seat.
Chair seat.	Vehicle seat.
Closet seat.	Walking stick seat.
Cushion seat.	Window seat.

Seat. W. M. Hanson. 1,875,449; Sept. 6.
Seat. E. Kanter. Des. 86,133; Feb. 2.
Seat. H. E. Kuehn. 1,873,603; Aug. 23.
Seat. C. H. Mackey and G. W. Weiss. 1,852,465; Apr. 5.
Seat. T. J. Nelson and C. H. Gerlofson. 1,874,333; Aug. 30.
Seat. M. H. Toncray and J. W. Greig. 1,846,374; Feb. 23.
Seat. E. Wolpert. 1,879,724; Sept. 27.
Seat adjuster, Vehicle. B. M. Stannard. 1,891,457; Dec. 20.
Seat adjusting device for automobile seats. J. E. Golden and O. W. Golden. 1,875,588; Sept. 6.
Seat and back, Adjustable. P. Carlson. 1,888,787; Nov. 22.
Seat and back rest, Auxiliary. W. I. Clements. 1,882,485; Oct. 11.
Seat and table, Convertible. N. Ross. 1,890,129; Dec. 6.
Seat and the like, Cushion. H. E. Wolf. 1,888,781; Nov. 22.
Seat and top construction, Vehicle. M. Katzman. 1,841,290; Jan. 12.
Seat appliance, Toilet. J. J. Bukovitz. 1,863,295; June 14.
Seat back, Adjustable. J. Boery. 1,856,534; May 3.
Seat back construction. W. S. Saunders and R. Martindell. 1,880,497; Oct. 4.
Seat construction for furniture. W. Westphal. 1,845,535; Feb. 16.
Seat construction for sedan type automobiles. E. W. Allbright. 1,873,525; Aug. 23.
Seat construction, Spring. F. E. Kroehler. 1,876,305; Sept. 6.
Seat cushion. E. F. Becher. 1,843,893; Feb. 2.
Seat cushion. A. A. Ruppert. 1,877,055; Sept. 13.
Seat, cushion, backrest, and the like. D. C. Hutchcroft. 1,853,617; Apr. 12.
Seat for an automobile, Adjustable. E. G. Simpson, C. G. Cronwall, A. C. Andersen, and H. C. Field. 1,877,604; Sept. 13.
Seat for rails, Resilient. C. A. Gilbert. 1,845,912; Feb. 16.
Seat for small rooms, Foldable. P. Thibodeau. 1,880,532; Oct. 4.
Seat for vehicles, Adjustable. G. Flintermann. 1,856,950; May 3.
Seat for vehicles, Front. A. J. Swanson. 1,846,443; Feb. 23.
Seat grip, Safety. K. Karpen. 1,875,614; Sept. 6.
Seat mechanism, Adjustable. A. W. Chapman. 1,875,915; Sept. 6.
Seat or bottom for chairs, couches, etc., Resilient. J. Krumbein. 1,874,407; Aug. 30.
Seat raiser and vacancy indicator. P. J. McDermott. 1,888,136; Nov. 15.
Seat regulator. H. C. Field and A. C. Andersen. 1,863,439; June 14.
Seat suspension. J. D. Couth. 1,862,953; June 14.
Seat top, Auxiliary. E. F. Graham. 1,839,350; Nov. 29.
Seat with laths covering, Spring. P. Schultes. 1,886,308; Nov. 1.
Seats of pulp material, Making toilet. H. C. T. Harvey. 1,873,585; Aug. 23.
Secondary rack. C. L. Peirce, jr. 1,883,818; Oct. 18.
Section strip, Interlocking. E. Fulda. 1,859,664; May 24.
Sectional boiler. H. E. Dutton. 1,849,225; Mar. 15.
Sectional boiler. P. M. Lukomske. 1,889,412; Nov. 29.
Sectional boiler. C. Olson. 1,856,354; May 3.
Securing device for aircraft coverings. E. J. W. Ragsdale. 1,851,212; Mar. 29.
Securing device for clothing. S. David. 1,856,909; May 3.
Securing device for clothing. S. David. 1,889,954; Dec. 6.
Securing device for panels or the like. E. H. Gibian. 1,891,139; June 21.
Securing device for vehicles. A. N. Berger and P. Seel. 1,860,565; May 31.
Securing means. M. Baldwin, jr. 1,875,209; Aug. 30.
Securing means. I. D. Ford. 1,873,370; Aug. 23.
Securing means for artificial teeth. F. J. McNamara. 1,889,756; Dec. 6.
Securing means for electrical connecters. M. Guett. 1,866,407; July 5.
Securing means for receiving receptacle for pens. H. L. Blackman. 1,890,499; Dec. 27.
Security device against robbery of motor cars. M. Picollo. 1,860,785; May 31.
Security quotations, Method and apparatus for printing. H. W. Spooner. 1,866,944; July 12.
Sediment collector. F. A. and A. H. Graumen. 1,859,362; May 24.
Sediment from automobile cooling systems, Method and apparatus for removing. H. L. Parr. 1,887,781; Nov. 15.
Sediment retainer. G. Riestenberg. 1,857,660; May 10.
Sedimentation apparatus. C. H. Scott. 1,888,743; Nov. 22.
Sedimentation device. S. I. Bousman. 1,892,648; Dec. 27.
Sedimentation tank. J. R. Downes and S. F. Miller. 1,879,135; Sept. 27.
Sediments, Filtration of suspended. C. Pontoppidan. 1,879,474; Sept. 27.
Seed cotton, Apparatus for drying. C. A. Bennett. 1,871,773; Aug. 16.
Seed drill. H. M. Leake. 1,875,036; Aug. 30.
Seed drill. J. Sonander. 1,854,811; Apr. 19.
Seed drill. H. F. Turner. 1,883,133; Oct. 18.
Seed packets in seed display cases, Device for displaying garden. E. M. Alexander. 1,840,297; Jan. 12.
Seed planter. H. F. Crandall. 1,879,111; Sept. 27.
Seed planting machine. C. C. Boykin. 1,879,055; Sept. 27.
Seed tester. E. D. Kerr. 1,848,219; Mar. 8.
Seeder. C. M. Westcott. 1,862,732; June 14.
Seeder attachment. W. S. Rector. 1,842,999; Jan. 26.
Seeding attachment for tractors. A. Fazio. 1,889,981; Dec. 6.
Seeds, Disinfecting. W. P. Raleigh and C. B. Dickey. 1,875,494; Sept. 6.
Seeds, Making mucilaginous extract from. J. F. Sanftleben. 1,841,763; Jan. 19.
Seeds, Process and apparatus for treating. W. F. Busse. 1,846,510; Feb. 23.
Seeds to remove seed coats and to separate out the endosperms, Treating. V. G. Bloede and E. L. Groensfelder. 1,849,786; Mar. 15.
See-saw board. J. H. Hill. 1,847,090; Mar. 1.
See-saw, Portable. M. Bustillos. 1,865,612; July 5.
Seismograph. S. Horvath. 1,842,968; Jan. 26.

Selecting and actuating mechanism. M. J. Tracy and J. H. Kintzele. 1,859,972; Mar. 22.
Selecting mechanism. S. Morton. 1,864,088; June 21.
Selecting register. C. L. Johnston. 1,867,544; July 12.
Selective receiving system. S. Y. White. 1,867,608; July 19.
Selective system and apparatus. E. E. Kleinschmidt. 1,873,206; Aug. 23.
Selective system and apparatus. E. E. Kleinschmidt. A. K. Malmquist. 1,884,782; Oct. 25.
Selective system and apparatus therefor. E. E. Kleinschmidt. 1,860,464; May 31.
Selector for group control systems. U. Kölm. 1,878,928; Sept. 20.
Selector, Mechanical. C. Loglodice and R. C. Hiteshue. 1,841,373; Jan. 19.
Selector mechanism. B. E. Mills. 1,864,143; June 21.
Selector receiver, Side band. H. O. Peterson. 1,849,884; Mar. 15.
Selector switch. B. O. Austin. 1,856,741; May 3.
Selector switch. G. W. Folkner. 1,847,213; Mar. 1.
Selector system for radio receiving apparatus. L. L. Jones. 1,850,754; Mar. 22.
Selenium cell. H. J. Küchenmeister. 1,870,313; Aug. 9.
Self-adjusting ball joint. M. P. Graham. 1,883,782; Oct. 18.
Self cleaning rake. H. L. Cress, jr. 1,879,112; Sept. 27.
Self cooling, drilling, and coring bit. T. G. Taylor. 1,870,696; Aug. 9.
Self-dialing device. C. Pearson. 1,888,468; Nov. 22.
Self instructor and tester. H. J. Peterson and J. C. Peterson. 1,884,197; Oct. 25.
Self loading and unloading elevator. H. L. Scott. 1,879,713; Sept. 27.
Self-propelled apparatus. J. W. Page. 1,879,446; Sept. 27.
Self-service or vending mechanism, Coin controlled. E. B. Steverson. 1,843,907; Feb. 2.
Self-starting motor, Synchronous. J. W. Hansen, W. L. Hansen, and I. N. Hurst. 1,864,650; June 28.
Self weighing bin. W. V. Sproles. 1,863,288; June 14.
Selvage motion, Center. A. A. Gordon. 1,872,935; Aug. 23.
Selvedges for fabrics, Formation of. F. W. Alexander. 1,853,122; Apr. 19.
Semaphore and track for toy railways. H. S. Becker. 1,857,933; May 10.
Semitrailer. R. L. Miller. 1,875,636; Sept. 6.
Semitrailer. R. J. Rogers. 1,853,576; Apr. 12.
Semi-trailer construction, Articulated. D. H. Davis and E. F. Hathorn. 1,880,123; Sept. 27.
Sensitive vapor pressure layers, Manufacture of. L. P. F., and K. J. J. van der Grinten. 1,861,330; May 31.
Sensory and mental faculties, Device for testing. H. Brose. 1,873,243; Sept. 13.
Separable compartment tank. F. G. Thwaits. 1,844,530; Feb. 9.
Separable lamp stand. M. M. Marcus. 1,885,275; Nov. 1.
Separating apparatus. B. Jorgensen. 1,854,199; Apr. 19.
Separating apparatus. D. D. Peebles. 1,850,333; Mar. 22.
Separating apparatus. F. A. Padroz. 1,861,878; June 7.
Separating device. M. Bongera. 1,885,167; June 28.
Separating device for solids and liquids. A. E. Leek. 1,858,190; May 10.
Separating machine. W. A. Hawkins and G. W. Lathem. 1,870,113; Aug. 2.
Separating or churning. E. G. Salenius. 1,866,489; July 5.
Separating ortho- and para-phenylphenols. G. H. Coleman. 1,887,232; Nov. 1.
Separating plant for solutions in volatile solvents. K. J. R. Robertson. 1,869,826; Aug. 2.
Separating process and apparatus. D. M. Tiller. 1,845,366; Feb. 16.
Separation device for pipe lines. A. W. Helmholtz and D. Ferrell. 1,872,586; Aug. 16.
Separation from solid residues, of oils obtained in the destructive hydrogenation of carbonaceous materials. M. Pier, E. Hochschwender and K. Wenzel. 1,864,856; June 28.
Separation of component constituents of a complex metalliferous dust. A. L. J. Queneau. 1,872,169; Aug. 16.
Separation of electrically charged particles from fluids with the aid of an electric current. W. Esmarch. 1,885,810; Nov. 1.
Separation of materials, Apparatus for magnetic G. Ullrich. 1,890,551; Dec. 13.
Separator: *See*—
Air separator.
Centrifugal separator.
Centrifugal separator.
Cord separator.
Dust separator.
Egg separator.
Egg yolk separator.
Entrainment separator.
Fluid separator.
Folder separator.
Gas and oil separator.
Gold and mineral separator.
Gyro separator.
Ionic separator.
Liquid and gas separator.
Liquid separator.
Magnetic separator.
Mold separator.
Oil separator.
Ore separator.
Paper pulp separator.
Pneumatic separator.
Receiver separator.
Refuse separator.
Rotary separator.
Sand and gas separator.
Screen cotton separator.
Steam separator.
Water separator.
Separator. P. F. Boeye. 1,860,567; May 31.
Separator. T. A. Heyden. 1,847,530; Mar. 1.
Separator. J. Hudson. 1,871,526; Aug. 16.
Separator. E. Kramer. 1,846,209; Feb. 23.
Separator. C. E. Lucke. 1,853,868; Apr. 12.
Separator. R. W. McLean. 1,854,209; Apr. 19.
Separator. M. A. Oppy. 1,846,897; Feb. 23.
Separator. F. Pardee. 1,863,027; June 14.
Separator. T. and J. R. Ray. 1,858,842; May 17.
Separator. T. and J. R. Ray. 1,861,163; May 31.
Separator. G. Robertson. 1,845,441; Feb. 16.
Separator. P. R. Shea. 1,851,527; Mar. 29.
Separator. J. W. Van Denburg. 1,869,987; Aug. 2.
Separator. C. E. Waxbom. 1,841,462; Jan. 19.
Separator and atomizer for manifolds, Combined. V. Vestrez. 1,873,082; Aug. 23.
Separator and blender, Sand. G. Braun. 1,850,375; Mar. 22.
Separator and potato buncher, Vine and potato. B. O. Cuddigan. 1,853,959; Apr. 12.
Separator for cards in a box. H. W. King. 1,871,617; Aug. 16.
Separator for electrical warp strop motions. O. V. Payne. 1,873,214; Aug. 23.
Separator for manufolding material. J. Q. Sherman. 1,884,308; Oct. 25.
Separator for storage batteries. P. De Loye and A. Touzot. 1,846,690; Feb. 23.
Separator for the treatment of fluids or sludges. Centrifugal. G. Ter Meer. 1,871,284; Aug. 9.
Separator for treating material laden air. A. H. Stebbins. 1,845,358; Feb. 16.
Separator for twisting and spinning machines. J. E. Farrell and J. L. Gaskill. 1,867,401; July 12.
Separator system. H. H. Bubar. 1,855,381; Apr. 26.
Separators, diaphragms, filters, and the like, consisting of porous as well as porous and nonporous ebonite and the like, Production of. M. Wilderman. 1,862,945; June 14.
Separators, Making. W. S. Gould and W. B. Osborne. 1,871,171; Aug. 9.
Sequence controlling device. W. Strobridge. 1,870,933; Aug. 9.
Series cut-out, Automatic. R. N. Rowe. 1,862,830; June 14.
Series drop tube. J. A. Maricocello. 1,859,451; May 24.
Service and dispensing, Portable beverage. M. Fellerman. 1,885,092; Oct. 25.
Service attachment for furniture. G. C. Olin. 1,866,665; July 12.
Service box. M. J. Lewis. 1,884,000; Oct. 25.
Service building. G. L. Rosebrook. Des. 87,594; Aug. 16.
Service building. G. L. Rosebrook. Des. 87,645; Aug. 23.
Service equipment for aviation fields. C. P. Griffith and C. J. Worden. 1,868,497; July 26.
Service head. J. M. G. Bullman. 1,890,050; Dec. 6.
Service recorder. H. R. Cool. 1,865,060; June 28.
Service station. R. N. Aldrich. Des. 88,281–4; Nov. 15.
Service station. I. A. Dunn. 1,858,438; May 17.
Service station. T. L. Pfluger. Des. 88,173; Nov. 1.
Service station or similar building structure. A. S. Fair. Des. 88,512; Dec. 6.
Service table. A. W. Altorfer. 1,879,004; Sept. 27.
Service table. G. F. Reinhard. 1,886,446; Nov. 8.
Service table, Room. J. W. Allen. 1,869,001; July 26.
Serving apparatus for wheeled vehicles. L. Rosebrook. 1,864,944; June 28.
Serving device. E. U. Rice. 1,857,890; May 10.
Serving table. H. Bruns. 1,865,254; June 28.
Servo-brake. F. Athimon. 1,890,446; Dec. 13.
Servo brake. A. Dewandre. 1,839,954; Jan. 5.
Servo-brake. A. Dewandre. 1,869,956; Aug. 2.
Servo brake, Vacuum operated. A. Razenmaier. 1,861,534; June 7.
Servo mechanism. E. P. Renaud. 1,839,930; Jan. 5.
Servo motor. F. W. Davis. 1,846,089; Feb. 23.
Servo-motor. P. Vender Haeghen. 1,851,902; Mar. 29.
Servo motor. R. Pigeolet. 1,841,629; Jan. 19.
Settee, Foldable. W. C. Uline. 1,858,254; May 17.
Setting device for calculating machines and the like. G. Tauschek. 1,880,523; Oct. 4.
Setting for plate glass and the like. R. J. Fass. 1,845,652; Feb. 16.
Setting frame. C. Frohlich. 1,892,507; Dec. 27.
Setting machine. R. E. Wiedman. 1,861,858; May 15.
Setting-out machine, Centrifugal. J. A. Meyer. 1,879,942; Sept. 27.
Setting to best photographic exposure, Apparatus for. R. A. Fessenden. 1,859,621; May 24.
Settling system for separating solids from fluids. M. B. Tark. 1,864,778; June 28.
Settling tank, Automatic. J. M. Mitchell. 1,848,023; Mar. 1.
Severing machine. W. N. Booth. 1,839,828; Jan. 5.
Sewage disposal apparatus. M. B. Tark. Re18,386; Mar. 15.
Sewage disposal apparatus. A. Wright. 1,876,123; Sept. 6.
Sewage disposal plant. A. S. Adams. 1,851,030; Mar. 29.
Sewage disposal system. G. R. Roddy. 1,882,930; Oct. 18.
Sewage distributor. C. Brossman. 1,882,546; Oct. 11.
Sewage ejector. F. J. Koch. 1,843,686; Feb. 2.

Sewage sampling device. J. S. Watts. 1,874,395; Aug. 30.
Sewage, Treating. G. H. Gleason and A. C. Loonam. 1,886,267; Nov. 1.
Sewage, Treating domestic. W. C. Laughlin. 1,877,623; Sept. 13.
Sewer cleaner. P. O. Ree. 1,864,617; June 28.
Sewer cleaners, Level winding mechanism for. L. and A. T. Knoerzer. 1,875,467; Sept. 6.
Sewer-cleaning implement. W. F. Herst. 1,888,269; Nov. 22.
Sewer flusher. G. Petersen. 1,848,269; Mar. 8.
Sewer rod. J. G. Heaney. 1,872,944; Aug. 23.
Sewers, Device for protecting. J. J. Lawler. 1,850,282; Mar. 22.
Sewer test. J. E. Mulrey. 1,858,105; May 10.
Sewing machine. E. B. Allen. 1,864,165; June 21.
Sewing machine. H. E. Althens. 1,839,524; Jan. 5.
Sewing machine. F. Ashworth. 1,874,690; Aug. 30.
Sewing machine. R. Bolandi. 1,840,270; Jan. 5.
Sewing machine. E. E. Boyce. 1,880,192; Oct. 4.
Sewing machine. N. V. Christensen and W. M. Hannaman. 1,857,041; May 3.
Sewing machine. H. L. Davis. 1,850,708; Mar. 22.
Sewing machine. A. B. Fovler. 1,879,844; Sept. 9.
Sewing machine. J. F. Gall. 1,879,173; Sept. 27.
Sewing machine. H. F. Gruman. 1,866,645–6; July 12.
Sewing machine. G. T. Hart, Jr. 1,887,638; Nov. 15.
Sewing machine. G. Huber. 1,878,146; Sept. 20.
Sewing machine. J. A. Knox. 1,864,136; June 21.
Sewing machine. K. Maier. 1,857,057; May 3.
Sewing machine. A. F. McCollum. 1,885,124; Nov. 1.
Sewing machine. A. A. Merritt. 1,869,489; Aug. 2.
Sewing machine. W. Myers. 1,844,002; Feb. 9.
Sewing machine. J. Olvendorff. 1,860,837; May 31.
Sewing machine. J. F. Palme. 1,879,449; Sept. 27.
Sewing machine. W. N. Parkes. 1,884,177–8; Oct. 25.
Sewing machine. J. V. Poole. 1,852,886; Oct. 18.
Sewing machine. L. Rich. 1,879,709; Sept. 27.
Sewing machine. F. Ricks and W. T. Minett. 1,889,025; Nov. 29.
Sewing machine. L. M. Schoonmaker. 1,848,804; Mar. 8.
Sewing machine. C. S. Thompson. 1,841,993; Jan. 19.
Sewing machine. J. M. Whelton. 1,860,480; Jan. 12.
Sewing machine. F. F. Zeier. 1,843,188; Feb. 2.
Sewing machine attachment. E. Dember and F. Weinder. 1,861,944; May 31.
Sewing machine attachment. R. J. Sailer. 1,863,168; June 14.
Sewing machine attachment. R. J. Sailer. 1,892,010; Dec. 27.
Sewing machine attachment. A. Shutzer. 1,844,411; Feb. 9.
Sewing machine attachment. D. Silberman. 1,874,645; Aug. 30.
Sewing machine attachment for making button holes. R. C. David. 1,885,086; Oct. 25.
Sewing machine binder. G. J. La Vigne. 1,850,152; Mar. 22.
Sewing machine, Blind stitch. C. W. Mueller. 1,860,901–2; May 31.
Sewing machine, Button. R. L. Lyons. 1,853,366; Apr. 12.
Sewing machine, Buttonhole. H. E. Althens. 1,876,538; Sept. 13.
Sewing machine, Buttonhole. J. W. Connors. 1,844,462; Feb. 9.
Sewing machine, Buttonhole. B. Fisher. 1,839,305; Jan. 5.
Sewing machine, Buttonhole. J. Kiewicz. 1,841,133; Jan. 12.
Sewing machine, Buttonhole. J. Kiewicz. 1,844,426; Feb. 9.
Sewing machine, Buttonhole. J. Kiewicz. 1,853,432; Apr. 12.
Sewing machine, Buttonhole. F. A. Reece. 1,865,140; June 28.
Sewing machine carrying case, Portable. F. Osann and R. L. Plumley. 1,875,177; Aug. 30.
Sewing machine, Chain stitch. D. W. Bunker. 1,868,724; July 26.
Sewing machine cutting attachment. Z. Routtenberg. 1,864,068; May 31.
Sewing machine. Electrically lighted. J. W. Dawson and F. A. Garrigan. 1,864,954; June 28.
Sewing machine for binding knitted fabrics. A. S. Riviere. 1,884,248; Oct. 25.
Sewing machine for inserting elastic bands in stitched articles. H. E. Dykeman. 1,857,046; May 3.
Sewing machine for inserting elastic bands in stitched articles. K. Maier. 1,857,058; May 3.
Sewing machine for stitching over fastener means. L. Rubel. 1,892,164; Dec. 27.
Sewing machine, Lock-stitch. M. Hemleb. 1,877,737; Sept. 20.
Sewing machine, Lockstitch. B. T. Leveque. 1,885,927; Nov. 1.
Sewing machine, Lockstitch shoe. N. F. Hopkins. 1,839,390; Jan. 5.
Sewing machine loop-taker. M. L. Waterman. 1,863,077; June 14.
Sewing machine needle-plate. Z. Routtenberg. 1,890,237; Dec. 6.
Sewing machine, Ornamental seam. F. M. Card. 1,843,896; Feb. 2.
Sewing machine, Ornamental stitch. F. Lutz. 1,884,027; Oct. 25.
Sewing machine, Overseaming. R. L. Plumley. 1,891,605; Dec. 20.
Sewing machine, Pants band. W. A. Feigel and R. R. Carver. 1,875,578; Sept. 6.
Sewing machine presser foot. C. Routtenberg. 1,850,986; Mar. 22.
Sewing machine presser foot attachment. C. Routtenberg. 1,850,985; Mar. 22.
Sewing machine tape guiding means. G. M. Lewis. 1,872,769; Aug. 23.
Sewing machine ventilating system. N. V. Christensen. 1,854,743; Feb. 9.
Sewing machine, Wax thread. H. E. Dow. 1,840,387; Jan. 12.
Sewing machine work-support. F. M. Card. 1,890,075; Dec. 6.
Sewing machine, Zigzag stitch. W. Myers. 1,849,332; Mar. 15.
Sewing machines, Article positioning device for. F. Lutz. 1,854,851; Apr. 19.
Sewing machines, Attachment for. W. C. Hake. 1,849,797; Mar. 15.
Sewing machines, Attachment for. C. M. Smith. 1,891,742; Nov. 8.
Sewing machines, Auxiliary feed device for. J. T. Dowdall. 1,880,016; Sept. 27.
Sewing machines, Binding and piping attachment for. W. C. Grist, A. J. Carmichael, and P. R. Fischer. 1,853,412–13; Apr. 12.
Sewing machines, Bobbin-thread tension-device for. W. L. Barron. 1,879,031; Sept. 27.
Sewing machines, Chain cutter for. F. Lutz. 1,855,301; Apr. 26.
Sewing machines, Cross thread laying mechanism for. J. R. Moffatt. 1,855,254; Apr. 26.
Sewing machines, Differential feeding mechanism for. J. Corrall and J. Feigdie. 1,879,106; Sept. 27.
Sewing machines, Differential feeding mechanism for. F. F. Zeier and C. C. Smith. 1,884,489; Oct. 25.
Sewing machines, Fabric guide support for. K. Maier. 1,864,501; June 21.
Sewing machines, Feeding mechanism for. J. Berger. 1,853,197; Feb. 9.
Sewing machines, Feeding mechanism for. N. V. Christensen and H. J. LeVesconte. 1,883,566; Oct. 18.
Sewing machines, Feeding mechanism for. H. E. Dykeman. 1,883,633; Oct. 18.
Sewing machines, Feeding mechanism for. F. Lutz. 1,854,452–3; June 21.
Sewing machines, Feeding mechanism for. F. Lutz. 1,884,026; Oct. 25.
Sewing machines, Feeding mechanism for. K. Maier. 1,864,502; June 21.
Sewing machines, Feeding mechanism for. J. R. Moffatt. 1,884,103; Oct. 25.
Sewing machines, Feeding mechanism for. C. Thobroe and F. Lutz. 1,841,858–9; Jan. 19.
Sewing machines, Feeding mechanism for. C. S. Thompson and W. B. Long. 1,884,383; Oct. 25.
Sewing machines, Feeding mechanism for. R. B. Thompson. 1,856,360; May 3.
Sewing machines, Feeding mechanism for. F. F. Zeier. 1,864,390; June 21.
Sewing machines, Feeding mechanism for. F. F. Zeier. 1,884,487–8; Oct. 25.
Sewing machines, Feeding mechanisms for. W. C. Van Ness and F. M. Card. 1,884,404; Oct. 25.
Sewing machines, Folder support for. C. Gunnerson. 1,849,757; Mar. 15.
Sewing machines for separating the warp between the socks, Device in sack. F. Ebert. 1,865,893; July 5.
Sewing machines, Graduated tension device for. D. H Chason. 1,862,658; June 14.
Sewing machines, Hem folder for. K. Schnurrbusch. 1,857,032; May 3.
Sewing machines, Hook tape guiding attachment for. H. J. Reiter. 1,847,224; Mar. 1.
Sewing machines, Indicating attachment for. S. Picard. 1,854,070; June 12.
Sewing machines, Looper mechanism for. C. C. Smith. 1,854,564; Apr. 19.
Sewing machines, Looper operating mechanism for. F. Lutz. 1,861,540; June 7.
Sewing machines, Looper operating mechanism for. F. F. Zeier and C. C. Smith. 1,850,949; Mar. 22.
Sewing machines, Motor support for. R. S. Kelso and G. R. Wainwright. 1,848,853; Mar. 8.
Sewing machines or the like, Thread cutter for. C. W. Rumbler. 1,852,746; Oct. 18.
Sewing machines, Oscillating shuttle mechanism for. R. Eagleshan. 1,845,788; Feb. 16.
Sewing machines, Oscillating thread controller. C. F. Rubel. 1,844,602; Feb. 9.
Sewing machines, Overedge stitch forming mechanism for. F. F. Zeier. 1,864,391; June 21.
Sewing machines, Pinking attachment for. M. Popper. 1,878,293; Sept. 20.
Sewing machines, Pinking attachment for. M. Popper. 1,886,422; Nov. 8.

Sewing machines, Presser foot for. C. W. Mueller. 1,843,832; Feb. 2.
Sewing machines, Ruffling mechanism for. K. Maier. 1,843,168; Feb. 2.
Sewing machines, Self-adjusting, trimming attachment for. J. N. Stein. 1,891,029; Dec. 13.
Sewing machines, Stitch forming mechanism for. G. M. Eames. 1,840,571; Jan. 12.
Sewing machines, Stop-motion device for. E. B. Allen. 1,843,534; Feb. 2.
Sewing machines, Tape guiding attachment for. H. J. Reiger. 1,843,293; Feb. 2.
Sewing machines, Tension device for. E. E. Winkley. 1,850,611; Mar. 22.
Sewing machines, Thread conducting device for. J. V. Gonzales. 1,852,880; Apr. 5.
Sewing machines, Thread controller for. N. V. Christensen, C. F. Rubel, and F. F. Zeier. 1,864,497; June 21.
Sewing machines, Thread controller for. H. J. Le Vesconte. 1,856,221; May 3.
Sewing machines, Thread controller for. F. Lutz. 1,884,028; Oct. 25.
Sewing machines, Thread controller for. F. F. Zeier and C. F. Rubel. 1,864,392; June 21.
Sewing machines, Thread controller for. F. F. Zeier and C. C. Smith. 1,884,490; Oct. 25.
Sewing machines, Thread-controlling device for. W. Myers. 1,884,127; Oct. 25.
Sewing machines, Thread cutter for. A. Ericsson. 1,883,654; Oct. 18.
Sewing machines, Thread cutting mechanism for. A. F. Fifield. 1,841,102; Jan. 12.
Sewing machines, Thread-cutting mechanism for. A. F. Fifield. 1,878,480; Sept. 20.
Sewing machines, Thread cutting mechanism for. A. R. Wood. 1,839,823; Jan. 5.
Sewing machines, Thread-cutting mechanisms for buttonhole. E. B. Allen and B. F. Crosby. 1,852,634; Apr. 5.
Sewing machines, Thread severing attachment for. P. Castagna. 1,848,235; Feb. 22.
Sewing machines, Thread trimmer for. A. F. Carlson. 1,877,159; Sept. 13.
Sewing machines, Thread trimmer for buttonhole. J. Kiewicz. 1,846,398; Feb. 23.
Sewing machines, Throw-out feed-lift mechanism for. H. J. Goosman. 1,879,190–1; Sept. 27.
Sewing machines, Trimming attachment for. J. F. Hoerig. 1,852,611; Apr. 5.
Sewing machines, Trimming device for. K. Maier. 1,877,696; Sept. 20.
Sewing machines, Tufting attachment for. C. H. Keeny. 1,855,916; Apr. 26.
Sewing machines, Work-clamp mechanism for. E. B. Allen. 1,839,040; May 3.
Sewing machines, Work-guide for. R. J. Sailer. 1,879,521; Sept. 27.
Sewing machines, Work-guiding device for. R. J. Sailer. 1,855,139; Apr. 19.
Sewing set package. A. B. Collingbourne. Des. 87,509; Aug. 9.
Sextant. V. E. Carbonara. Des. 85,912: Jan. 5.
Shackle, Cushion. J. Dykstra. 1,861,053; May 31.
Shackle for motor vehicles. J. W. Leighton. 1,852,318; Apr. 5.
Shackle for prisoners. D. B. Rayburn. 1,881,948; Oct. 11.
Shackle line equalizer. B. G. Goble. 1,843,765; Feb. 2.
Shackle line pick-up device, Portable. R. V. Plyler. 1,882,878; Oct. 18.
Shackle line swing. B. G. Goble. 1,852,007; Apr. 5.
Shackle link. J. W. Diederich. 1,841,015; Jan. 12.
Shackle, Police officer's. H. Wesson and E. S. Pomeroy. 1,872,857; Aug. 23.
Shackle, Spring. N. C. Barnes. 1,839,943; Jan. 5.
Shackle, Spring. W. Cummings. 1,849,579; Mar. 15.
Shade. J. Krzepinski. 1,891,707; Dec. 20.
Shade, Adjustable bed lamp. L. N. Davis. 1,862,664; June 14.
Shade adjuster, Window. N. Slobotkin. 1,852,270; Apr. 5.
Shade adjusting device, Window. S. Jasgur. 1,875,812; Sept. 6.
Shade and curtain bracket, Combined. A. Corino. 1,843,014; Jan. 26.
Shade and curtain bracket, Window. C. C. Stubblefield. 1,884,911; Oct. 25.
Shade and curtain fixture, Window. E. E. Sullivan. 1,873,506; Aug. 23.
Shade and lamp, Lamp. B. H. Shapiro. 1,863,767; June 21.
Shade and making the same, Lamp. E. A. Hastings. 1,855,753; Apr. 26.
Shade and window bracket. H. R. Hodges. 1,861,090; May 31.
Shade, Automobile. H. Berliawsky. 1,845,577; Feb. 16.
Shade construction, Lamp. C. H. Venner, jr. 1,839,937; Jan. 5.
Shade control, Window. R. E. Cotton. 1,889,639; Nov. 29.
Shade, curtain, and drape hanger, Combination. W. B. Vidrine. 1,854,635; Apr. 19.
Shade fixture, Adjustable. F. C. Morris. 1,855,360; Apr. 26.
Shade fixture, Window. A. I. Coleman. 1,855,010; Apr. 19.
Shade fixture, Window. P. B. Thornas and E. B. Fadden. 1,876,036; Sept. 6.
Shade for an electric fixture, Multiunit. G. E. McFadden. Des. 86,283; Mar. 1.
Shade for fireplaces, Smoke. A. Lindberg. 1,870,916; Aug. 9.
Shade hanger and adjuster. J. L. Hyland. 1,870,730; Aug. 9.
Shade, Lamp. A. Burke. 1,867,562; July 19.
Shade, Lamp. P. Capocci. 1,887,397; Nov. 8.
Shade, Lamp. E. Comtois. Des. 86,220; Feb. 16.
Shade, Lamp. J. Conrad. Des. 86,827; Apr. 26.
Shade, Lamp. W. Miethke. 1,879,094; Aug. 30.
Shade, Lamp. H. C. Noe. Des. 87,126; June 7.
Shade, Lamp. W. S. Pearson. 1,843,781; Feb. 2.
Shade, Lamp. E. Schwarz. Des. 87,598–600; Aug. 16.
Shade, Lamp. E. Schwarz. Des. 87,684–6; Aug. 30.
Shade, Lamp. E. Schwarz. Des. 87,799–805; Sept. 20.
Shade, Lamp. E. Schwarz. Des. 87,891; Oct. 4.
Shade operating device, Window. F. J. and B. A. Gossling. 1,865,466; July 5.
Shade or reflector. A. F. Horn. Des. 86,774; Apr. 19.
Shade or similar article. H. A. Buccini and S. H. Barnes. Des. 87,102; June 7.
Shade, Ornamental lamp. P. Capocci. 1,853,405; Apr. 12.
Shade, Photographic lens. G. K. Halbasch. 1,848,879; Mar. 8.
Shade roller. C. F. Schmelz. 1,841,384; Jan. 19.
Shade roller. C. F. Schmelz. 1,854,959; Apr. 19.
Shade roller. B. Schwartz. 1,872,188; Aug. 16.
Shade roller. E. G., R. J., and E. M. Stretcher. 1,851,496; Apr. 26.
Shade roller adjusting device. F. L. Schwarz, jr. 1,851,332; Mar. 29.
Shade, Sectional lamp. G. A. Tate. 1,868,776; July 26.
Shade, Slat. A. C. Hough. 1,846,202; Feb. 23.
Shade, Slat. H. W. Pratt. 1,861,718; June 7.
Shade supporting structure. W. W. Morey. 1,862,385; June 7.
Shade, Vehicle window. A. J. Miller, jr. 1,876,430; Sept. 6.
Shade, Ventilating window. L. A. Ross. 1,849,850; Mar. 15.
Shade, Window. A. A. Boeck. 1,847,077; Mar. 1.
Shade, Window. C. Brandt. 1,840,017; Jan. 5.
Shade, Window. J. Roscia. 1,847,900; Mar. 1.
Shade, Window. H. R. Segal. 1,865,972; July 5.
Shade with fabric cover, Lamp. H. Bruckmann. 1,868,692; July 26.
Shaded pole motor. W. J. Morrill. 1,884,115; Oct. 25.
Shaded pole motor. C. A. Nickle. 1,884,140; Oct. 25.
Shades for automobiles, Rear window. W. C. Mercier. 1,872,164; Aug. 16.
Shadow lines on wood pieces, Device for producing. H. Wiegelmann. 1,841,867; Jan. 19.
Shaft and casing assembly, Flexible. E. A. Joline. 1,871,528; Aug. 16.
Shaft casing assembly, Flexible. H. W. Webb. 1,874,397; Aug. 30.
Shaft construction, Interlocking. A. Kindelmann and E. Boecking. 1,884,734; Oct. 25.
Shaft coupling. H. O. Jacobson. 1,880,094; Sept. 27.
Shaft coupling. J. S. Loewus. 1,891,235; Dec. 20.
Shaft coupling. W. J. Spengler. 1,856,975; May 3.
Shaft coupling, Flexible. G. W. Bulley. 1,842,582; Jan. 26.
Shaft coupling, Flexible. K. Davis. 1,843,211; Feb. 2.
Shaft coupling, Flexible. A. W. Rybeck. 1,841,255; Jan. 12.
Shaft coupling, Flexible. W. C. Thoman. 1,870,153; Aug. 2.
Shaft coupling, Resilient. J. W. Auren. 1,874,152; Aug. 30.
Shaft drive for motor vehicles, Multiple transmission. E. R. Gurney. 1,858,773; May 17.
Shaft end, Flexible. F. A. Ross. 1,882,943; Oct. 18.
Shaft extractor. A. Cox. 1,891,869; Dec. 20.
Shaft for golf clubs. H. G. Barrett. 1,846,671; Feb. 23.
Shaft for golf clubs. W. J. Hadden. 1,890,538; Dec. 13.
Shaft for overhung elastic fluid turbines. A. Lysholm. 1,887,878; Nov. 15.
Shaft-log and stuffing-box structure. W. M. Horn. 1,868,064; July 19.
Shaft machine attachment, Flexible. J. F. Keller. 1,870,795; Aug. 9.
Shaft-mounting means. A. C. Boock. 1,864,518; June 28.
Shaft operating and locking apparatus. W. E. Smith. 1,891,718; Dec. 20.
Shaft rotating device, Releasable. R. T. Hazelton. 1,851,307; Mar. 29.
Shaft sleeve. A. B. Merrill. 1,850,683; Mar. 22.
Shafting, Continuously fabricating flexible. R. C. Angell. 1,843,076; Jan. 26.
Shafting, Making. R. C. Angell. 1,874,413; Aug. 30.
Shafts for golf clubs and the like, Apparatus for tapering tubular. H. G. Barrett. 1,871,490; Aug. 16.
Shafts, Grinding of irregular. K. L. Herrmann. 1,854,904; Apr. 19.
Shake, Synchronous motor driven. L. Hornbostel. 1,870,252; Aug. 9.
Shaker, Condiment. H. S. Davis. 1,889,593; Nov. 29.
Shaker, Condiment. M. C. T. Lewis. 1,862,057; June 7.

Shaker conveyer engine. T. G. Nyborg. 1,891,945; Dec. 27.
Shaker for salt, etc. J. W. Jennings. 1,890,222; Dec. 6.
Shaker, Salt. H. R. Rundell. 1,861,980; June 7.
Shaker, Salt and pepper. P. Viggiano. Des. 87,946; Oct. 11.
Shaker, Salt or pepper. H. M. Burt. Des. 86,596; Mar. 29.
Shaker, Screen. S. S. Gorbutt. 1,848,473; Mar. 8.
Shale reamer. J. J. Santiago. 1,844,370; Feb. 9.
Sham. L. W. Kennedy. 1,848,890; Mar. 8.
Shampoo apparatus. M. Gower. 1,868,598; July 26.
Shampoo board. H. Lalie. 1,863,860; June 21.
Shank beating and stitch rubbing machine. W. W. Freeman. 1,881,181; Oct. 4.
Shank piece for shoes. O. C. Adams. 1,853,027; Apr. 12.
Shank piece for shoes. P. Hein. 1,866,209; July 5.
Shank pieces, Manufacturing. E. R. Laird. 1,882,020; Oct. 11.
Shank, Sling. J. Granat. Des. 87,916; Oct. 11.
Shank stiffener. J. B. Hadaway. 1,863,690; June 21.
Shank stiffener and arch support, Combined. F. R. McGee. 1,851,650; Mar. 29.
Shank stiffener and making the same. B. B. Waterman. 1,884,937; Oct. 25.
Shank stiffener for shoes. J. M. Hiss. 1,843,721; Feb. 2.
Shape retaining device for neckties. E. N. Pettit, jr. 1,885,476; Nov. 1.
Shaper, Automatic. O. Onsrud. 1,855,528; Apr. 26.
Shapes from homogeneous alloys of great hardness, Manufacturing. E. Schiebel. 1,855,994; Apr. 26.
Shaping. Method and apparatus for forming individual. J. W. Smith. 1,841,920; Jan. 19.
Shaping and flanging machine. P. H. Lange. 1,890,039; Dec. 6.
Shaping apparatus. E. H. Fisher. 1,855,909; Apr. 26.
Shaping machine. R. H. Anderson. 1,882,711; Oct. 18.
Shaping machine. A. Buente. 1,847,078; Mar. 1.
Shaping machine. J. S. Donaldson. 1,851,004; Mar. 29.
Shaping machine. O. L. Schehl. 1,876,078; Sept. 6.
Shaping machine. W. E. Wunderlich. 1,877,110; Sept. 13.
Shaping machine. W. E. Wunderlich. 1,877,111; Sept. 13.
Shaping machines, Duo stroke series for. W. F. Zimmermann. 1,846,780; Feb. 23.
Shaping machines, Table support for. W. F. Zimmermann and J. J. Duffy. 1,843,795; Feb. 2.
Sharpener and ash tray, Combined razor blade. M. McKibbin. Des. 87,755; Sept. 13.
Sharpener and ash tray, Combined razor blade. F. E. Montgomery. Des. 87,673; Aug. 30.
Sharpener and eraser, Combination pencil. W. F. Wells. 1,844,729; Feb. 9.
Sharpener, Automatic disk. J. C. Douglas. 1,582,153; Apr. 5.
Sharpener, Blade. J. H. Allman. Des. 87,452; Aug. 2.
Sharpener, Blade. H. C. Bowden. 1,889,630; Nov. 29.
Sharpener, Blade. N. Schwartz. 1,857,066; May 3.
Sharpener, Cultivator disk. J. Prunee. 1,845,944; Feb 16.
Sharpener, Cutter. H. J. White. 1,858,869; May 17.
Sharpener, Double-edge razor blade. F. Wavpotich and L. F. Wanek. Des. 86,424; Mar. 1.
Sharpener, Drill. G. C. Pearson. 1,887,038; Nov. 8.
Sharpener, Drill. G. C. Pearson, L. E. Croft, and I. S. Carpenter. 1,887,287; Dec. 27.
Sharpener for slicing machines. C. F. M. van Berkel. 1,878,066; Sept. 20.
Sharpener for slicing machines. W. A. van Berkel. 1,884,924; Oct. 25.
Sharpener for slicing machines. J. N. Woodington. 1,857,421; May 10.
Sharpener, Knife. E. W. Carpenter. 1,846,884; Feb. 25.
Sharpener, Knife. G. P. Hurst. 1,886,483; Nov. 8.
Sharpener, Knife. G. A. Moller. 1,851,520; Mar. 29.
Sharpener, Lawn mower. C. Bailey. 1,887,394; Nov. 8.
Sharpener, Lawn mower. J. B. Bradford. 1,863,038; June 14.
Sharpener, Lawn mower. R. J. Muir. 1,888,285; Nov. 22.
Sharpener, Lawn mower. L. B. Stowell. 1,878,648; Sept. 20.
Sharpener, Pencil. R. H. Bair. 1,878,617; Sept. 20.
Sharpener, Pencil. R. S. Harris. 1,858,891; May 17.
Sharpener, Pencil. L. R. Loveland. 1,872,478; Aug. 16.
Sharpener, Pencil. B. Oulton. 1,887,232; Nov. 8.
Sharpener, Pencil. G. W. Rappold. 1,842,917; Jan. 26.
Sharpener, Pencil. H. L. Wittstein. 1,883,217; Oct. 18.
Sharpener, Razor blade. L. Balga. 1,846,935; Feb. 23.
Sharpener, Razor blade. J. Heitzman. 1,864,065; June 21.
Sharpener, Razor blade. J. E. Langdon. 1,881,702; Oct. 11.
Sharpener, Razor blade. C. N. Neel. 1,852,667; Apr. 5.
Sharpener, Razor blade. C. J. Soss. 1,852,438; Apr. 5.
Sharpener, Safety razor blade. A. Cohn. 1,885,082; Oct. 25.
Sharpener, Safety razor blade. W. Cooke. Des. 86,763; Apr. 19.
Sharpener, Safety razor blade. H. A. Coy. 1,876,618; Sept. 13.
Sharpener, Safety razor blade. E. V. Kline. 1,879,807; Sept. 27.
Sharpener, Shear-blade. J. W. Carter. 1,860,404; May 31.
Sharpener, Shears. J. R. Everhart. 1,883,658; Oct. 18.
Sharpener, Tailor's chalk. L. Balga. 1,842,306; Jan. 19.
Sharpening device, Scissors. N. N. Fedt, jr. 1,839,541; Jan. 5.
Sharpening instrument and razor blade, Razor blade. H. De Haven. 1,859,556; May 24.
Sharpening machine, Lawn mower. F. H. Bierman. 1,866,794; July 12.
Sharpening machine, Lawn mower. P. H. Root. 1,888,572; Nov. 22.
Shaving aid. W. C. Catton. 1,869,057; July 26.
Shaving apparatus. J. Hagen. 1,843,720; Feb. 2.
Shaving cream tube. F. Daniels. 1,841,012; Jan. 12.
Shaving equipment. L. S. Chadwick. 1,867,905; July 19.
Shaving equipment. J. Schick. 1,844,482; Feb. 9.
Shaving machine. W. F. Feyrer. 1,861,564; June 7.
Shaving machine. F. Wayland. 1,842,366; Jan. 19.
Shaving preparation. J. McIntyre. 1,868,838; July 26.
Shaving set, Combination. W. Deutsch. 1,846,091; Feb. 23.
Shaving toilet article. R. B. Davis. 1,839,742; Jan. 5.
Shear corrugating and grinding machine. F. Gorecky. 1,858,957; Apr. 26.
Shear for use in rolling mills, etc. J. Gassen. 1,856,546; May 3.
Shear knife adjusting means. O. W. Kirsten. 1,866,855; July 12.
Shear machine. A. Born. 1,867,205; July 12.
Shear mechanism, Rotary flying. F. C. Biggert, jr. 1,852,282; Apr. 5.
Shear sharpening device. A. A. Emery. 1,873,636; Aug. 23.
Shear structure for glass machinery. O. M. Tucker and W. A. Reeves. 1,864,277; June 21.
Shearing and cutting machine. W. V. Lewis. 1,884,001; Oct. 25.
Shearing and punching mechanism, Angle bar. C. Kirchner. 1,854,516; Apr. 19.
Shearing machine. V. E. Edwards. 1,878,121; Sept. 20.
Shearing machine. I. Jeppsson and E. S. Bartlett. 1,871,709; Aug. 16.
Shearing machine, Rotary. C. M. MacChesney and R. H. Norton. 1,859,336; May 24.
Shearing mechanism. F. G. Feeley. 1,867,402; July 12.
Shearing mechanism. F. W. Harney. 1,887,952; Nov. 15.
Shears; *See*—
Circular shears. Metal shears.
Grass shears. Portable shears.
Hedge shears. Power driven shears.
Hedge trimming shears. Rotary flying shears.
Metal cutting shears. Rotary shears.
Shears. D. Buccicone and R. E. Peterson. 1,892,327; Dec. 27.
Shears. H. W. Clark. 1,853,259; Apr. 12.
Shears. H. W. Clark. 1,860,316–17; May 24.
Shears. J. H. Flint. 1,860,409; May 31.
Shears. L. Iversen and R. E. Noble. 1,876,456; Sept. 6
Shears. D. H. Keiser, jr. 1,845,798; Feb. 16.
Shears. F. E. Kling. 1,883,086; Oct. 25.
Shears. R. Thomson. 1,886,273; Nov. 1.
Shears. H. B. Womack. 1,883,842; Oct. 18.
Shears and the like, Pivot means for. R. R. Gonsett. 1,860,850; Dec. 13.
Shears for cutting sheet material such as metal, leather, cardboard, or the like, Power driven. U. F. L. Steindorff, H. J. Heller, and G. A. Ungar. 1,857,167; May 10.
Shears, Operating mechanism for metal-cutting. J. W. Sheperdson. 1,844,107; Feb. 9.
Shears or scissors, Self-sharpening and balancing. R. J. Nachtigall. 1,885,754; Nov. 1.
Sheath bonding system. H. Halperin and K. W. Miller. 1,860,880; May 3.
Sheath for more or less plastic sticks. H. Lowenfeld. 1,854,800; Apr. 19.
Sheathing. Corner piece for. P. P. Welty. 1,843,056; Jan. 26.
Sheave assembly. W. D. Davidson. 1,865,842; July 5.
Sheave assembly for crown blocks. W. D. Davidson and E. W. Goeser. 1,862,885; June 14.
Sheave block. W. H. McKissick. 1,850,407; Mar. 22.
Sheave block. W. M. Venable. 1,880,608; Oct. 4.
Sheave fairlead, Revolving. F. H. Huff. 1,887,306; Nov. 8.
Shed construction. O. P. Cherdron and C. W. Scott. 1,885,329; Nov. 1.
Shed structure, Portable. J. Weidenbacher. 1,845,946; Feb. 16.
Sheep brander. C. H. Gridley. 1,861,914; June 7.
Sheet annealing furnace. P. A. Meehan. 1,866,121; July 5.
Sheet appliance for examination and operating tables, Continuous. F. G. Steiner. 1,877,610; Sept. 13.
Sheet associator. L. H. Cook and E. A. Dahlstrom. 1,845,907; Feb. 16.
Sheet building material, Laminated. C. J. Beckwith. 1,883,485; Oct. 18.
Sheet, Composite. M. R. Howard. 1,888,672; Nov. 22.
Sheet conveying apparatus. H. Mellin. 1,882,855; Oct. 18.
Sheet cutting machine. G. Spiess. 1,883,858; Oct. 18.
Sheet delivering and piling apparatus for printing, ruling, cutting machines and the like. H. Miersch. 1,891,286; Dec. 20.
Sheet delivery. K. Sieg. 1,852,590; Apr. 5.

Sheet delivery control. L. W. Claybourn. 1,879,095; Sept. 27.
Sheet delivery for printing presses, Flat. H. M. Barber. 1,888,753; Nov. 22.
Sheet delivery frame, Printing press. H. C. Blauvelt and J. E. Scheberg. 1,851,972; Apr. 5.
Sheet depositing device. R. Wichmann. 1,854,775; Apr. 19.
Sheet detector. A. W. Barrett. 1,883,471; Oct. 18.
Sheet directing means. A. Broadmeyer. 1,889,513; Nov. 29.
Sheet division. S. B. Frelberg. 1,886,802; Nov. 8.
Sheet edge forming device. H. E. Allen and T. Ferngren. 1,848,099; Mar. 8.
Sheet edge pasting machine. O. Kleinschmit. 1,841,539; Jan. 19.
Sheet feeding apparatus. E. J. Brasseur. 1,843,118; Feb. 2.
Sheet feeding apparatus. E. R. Kast. 1,856,190; May 3.
Sheet feeding apparatus. E. S. Lincoln. 1,870,336-9; Aug. 9.
Sheet feeding device. C. E. Christophel. 1,840,308; Jan. 12.
Sheet feeding mechanism. A. G. Cogswell. 1,866,453; July 5.
Sheet, Feeding mechanism. W. K. Eckhard. 1,888,659; Nov. 22.
Sheet feeding mechanism. A. Novick. 1,844,102; Feb. 9.
Sheet feeding mechanism. C. L. Post. 1,881,926; Oct. 11.
Sheet feeding, Method and apparatus for. E. G. Rider. 1,853,781; Apr. 12.
Sheet flattener. J. B. Sutton and G. A. Wise. 1,890,342; Dec. 6.
Sheet folding apparatus, End. F. M. Brackett, L. C. Williams, and D. Daneke. 1,858,034; May 10.
Sheet folding mechanism. W. B. Meglitz and M. O. Schur. 1,851,814; Oct. 11.
Sheet for visible record binders, Division. H. C. Miller. 1,845,619; Feb. 16.
Sheet forming apparatus. H. A. Emery. 1,869,677; Aug. 2.
Sheet gaging device for slitting machines. J. M. Hothersall. 1,868,707; July 26.
Sheet handling apparatus. L. L. Beach and C. G. Wright. 1,868,560; July 26.
Sheet handling apparatus. T. F. Burton and A. L. White. 1,847,812; Mar. 1.
Sheet handling device. A. W. Werner. 1,874,675; Aug. 30.
Sheet handling mechanism. A. D. Evans and J. K. Lamoree. 1,855,305; June 28.
Sheet inspecting apparatus. A. Broadmeyer. 1,869,300; July 26.
Sheet jogging and registering machine. J. W. Steele and A. Deitch. 1,852,591; Dec. 27.
Sheet lifter. W. A. Clark. 1,846,675; Feb. 23.
Sheet manipulator. E. J. Brasseur. 1,861,259; May 31.
Sheet manufacture and apparatus therefor, Electrolytic method of continuous. G. A. Reinhardt and R. H. Eurich. 1,878,540; Sept. 20.
Sheet, Manufacture of a composite. W. R. Collings. 1,877,270; Sept. 13.
Sheet material. C. C. Ritter. 1,877,254; Sept. 13.
Sheet material and its production, Waterproof. E. H. Angier. 1,882,715; Oct. 18.
Sheet material and making same. G. H. Willis. 1,881,337; Oct. 4.
Sheet material, Apparatus for bending. W. B. Meglitz. 1,881,813; Oct. 11.
Sheet material, Apparatus for drying. H. E. Holcomb. 1,881,136; Oct. 13.
Sheet material, Apparatus for feeding and aligning. F. S. Farley. 1,883,889-90; Oct. 25.
Sheet material, Apparatus for forming fibrous. H. E. Holcomb. 1,869,148; July 26.
Sheet material, Apparatus for shaping. R. Mayne. 1,888,381; Nov. 22.
Sheet material, Apparatus for testing. W. B. Meglitz. 1,881,812; Oct. 11.
Sheet material, Apparatus for the treating of. H. A. Woodhead and M. R. Kelly. 1,889,009; Nov. 29.
Sheet material, Coloring. E. H. Angier and E. R. Dearborn. 1,882,714; Oct. 18.
Sheet material, Laminated. C. J. Beckwith. 1,883,486; Oct. 18.
Sheet material, Method of and machine for cutting, feeding, and stacking. C. B. Maxson. 1,852,403; Oct. 11.
Sheet material, Pliable humidifying. R. H. McKee. 1,871,419; Aug. 9.
Sheet material, Process and apparatus for drying and impregnating. H. E. Holcomb. 1,854,192; Apr. 19.
Sheet metal can. A. G. Hopkins. 1,879,873; Sept. 27.
Sheet metal can. J. Spahn. 1,849,600; Mar. 15.
Sheet metal case. E. L. Herbolsheimer. 1,885,441; Nov. 1.
Sheet metal die. G. E. Ireland. 1,858,047; May 10.
Sheet metal house. W. D. and E. Bayley. 1,848,690; Mar. 8.
Sheet metal lock. E. P. Forbes. 1,866,156; July 5.
Sheet metal press. F. J. Rode. 1,849,691; Mar. 15.
Sheet metal printing machine. J. Schmutz. 1,885,634; Nov. 1.
Sheet metal wheel, Reinforced. J. P. Tarbox. 1,847,279; Mar. 1.
Sheet piling. H. M. Knight. 1,888,630; Nov. 22.
Sheet piling. K. Nolte. 1,841,199; Jan. 12.
Sheet piling. K. Nolte. 1,841,759; Jan. 19.
Sheet piling. K. Nolte. 1,855,113; Apr. 19.
Sheet piling. J. R. Wemlinger. 1,888,752; Nov. 22.
Sheet piling, Corrugated. J. R. Wemlinger. 1,888,751; Nov. 22.
Sheet piling mechanism. A. W. Ryan, F. E. Tubbs, and T. W. Allsworth. 1,840,370; Jan. 12.
Sheet, Pouring. H. A. W. Wood. 1,840,342; Jan. 12.
Sheet register device. W. P. Zent. 1,845,776; Feb. 16.
Sheet registering mechanism. L. F. Remington. 1,866,579; July 12.
Sheet reversing device for gumming machines. P. W. Fleischer. 1,868,282; July 19.
Sheet, Rolling. L. Johnson. 1,839,789; Jan. 5.
Sheet saturation. E. A. Leonard. 1,845,299; Feb. 16.
Sheet separating device. B. F. Upham. 1,867,038; July 12.
Sheet shifter for visible index binders. R. A. Furlong. 1,891,376; Dec. 20.
Sheet, Stencil. S. Horii. 1,885,261; Nov. 1.
Sheet stock, Method and apparatus for sorting. J. A. Tolelk. 1,854,920; Oct. 25.
Sheet straightening conveying mechanism. F. L. Cross. 1,889,353; Nov. 29.
Sheet transfer mechanism. F. R. Belluche. 1,869,403; Aug. 2.
Sheet trimming and scoring mechanism. R. N. Richards. 1,888,436; Nov. 22.
Sheet turning device. A. Broadmeyer. 1,855,821; Apr. 26.
Sheet unit. H. Pleasants, jr. 1,840,916; Jan. 12.
Sheeter and curling roll adjustment device. W. G. Kirchhoff. 1,867,223; July 12.
Sheets and forms, Manufacturing phenolformaldehyde resin. G. J. Crossman. 1,868,566; July 26.
Sheets and plates, Treating ferrous. H. S. Shutte. 1,867,108; July 12.
Sheets and plates, Treating ferrous. J. C. Whetzel. 1,892,560; Dec. 27.
Sheets and the products thereof, Production of plastic. D. J. Payne. 1,886,972; Nov. 8.
Sheets, Apparatus for and method of feeding. E. C. Maass. 1,861,605; June 7.
Sheets, Apparatus for handling. L. S. Rosener. 1,846,612; Feb. 23.
Sheets, Apparatus for handling. L. S. Rosener. 1,876,171; Sept. 6.
Sheets, Apparatus for producing laminated. J. Wyss. 1,886,928; Nov. 8.
Sheets, Apparatus for stacking heavy. G. Raymond. 1,840,972; Jan. 12.
Sheets, Bending laminated. J. Messing. 1,872,482; Aug. 16.
Sheets containing bitumen, Producing felted. G. Yungblut. 1,877,377; Sept. 13.
Sheets faced with wood, Flattening flexible. A. Elmendorf. 1,871,447; Aug. 16.
Sheets from pulp, Method and apparatus for forming thick. J. A. Wiener. 1,853,185; Apr. 12.
Sheets in multicolor intaglio printing, Method and apparatus for drying. A. Egli. 1,867,256; July 12.
Sheets in sheet-handling machines, Method and mechanism for opening. O. Kleinschmidt and R. Klemm. 1,889,364; Nov. 29.
Sheets into bound volumes, Stitching of folded. O. Laroff. 1,856,240; May 3.
Sheets, Manufacture of composite metal. W. C. Johnson. 1,886,615; Nov. 8.
Sheets, Method and apparatus for cutting. R. G. Clyne. 1,874,902; Aug. 30.
Sheets, Method and apparatus for feeding. P. E. Hunter and L. E. Endsley. 1,860,108; Mar. 22.
Sheets, Method and apparatus for feeding. E. S. Lincoln. 1,870,314; Aug. 9.
Sheets, Method and apparatus for making. R. J. Wean. 1,871,102; Aug. 9.
Sheets of tough or hard material, Device for cutting. P. Pickering. 1,890,334; Dec. 6.
Sheets or films of composition containing cellulose esters or ethers, Manufacture of. A. R. Wickham. 1,881,108; Oct. 4.
Sheets or slabs, Manufacture of. C. A. Upson. 1,854,872; Apr. 19.
Sheets, Process and apparatus for the separation of folded or individual. A. Winkler and M. Dünnebier. 1,875,189; Aug. 30.
Sheets, Process and equipment for forming. W. A. Darrah. 1,885,334; Nov. 1.
Sheets, Rolling. R. R. Smith, W. F. Songer, and L. A. Salender. 1,852,271; Apr. 5.
Sheets, Rolling. J. R. Tytus. Re18,413; Apr. 5.
Sheets to be used in can making, Apparatus for processing. P. Kruse. 1,841,824; Jan. 19.
Shelf. H. B. Hyams. 1,864,907; June 28.
Shelf, Adjustable. A. C. Furo. 1,876,494; Sept. 6.
Shelf, Adjustable. H. G. McComb. 1,879,372; Sept. 27.
Shelf, Adjustable display. B. E. Bartholomae and I. D. Kinley. 1,851,965; Apr. 5.
Shelf and robe rail, Combined. H. Adler. 1,888,253; Nov. 22.
Shelf appliance, Refrigerator. L. S. and R. Shauer. 1,870,593; Aug. 9.

Shelf, Article. A. E. Latchin. 1,853,988; Oct. 25.
Shelf bracket. C. S. Parker. 1,877,196; Sept. 13.
Shelf bracket, Adjustable. J. J. Knape. 1,853,018; Apr. 5.
Shelf device for refrigerator cabinets. G. J. Tilton. 1,883,833; Oct. 18.
Shelf, Display. J. W. Harbison. 1,862,503; June 14.
Shelf, Display. R. T. Jumper. Des. 86,030; Jan. 19.
Shelf, Foldable extension counter. L. J. Murphy and E. L. Stauffer. 1,890,743; Dec. 13.
Shelf, Folding. L. R. McEwing. 1,890,526; Dec. 13.
Shelf or the like. G. D. Wiepert. Des. 88,720; Dec. 20.
Shelf paper. E. Karfoil. Des. 87,839; Sept. 27.
Shell. J. M. Alderfer. 1,865,789; Nov. 1.
Shell and a fuse therefor, Explosive. H. G. Towner. 1,865,802; July 5.
Shell, Cap for electric light sockets. F. Slady. 1,858,377; May 17.
Shell, Decorative sea. G. E. Starr. Des. 86,418; Mar. 1.
Shell for concrete piles. E. D. Watt. 1,881,254; Oct. 4.
Shell for lamp sockets. A. D. Cowperthwait and F. Reutter. 1,850,536; Mar. 22.
Shell rack construction. W. N. Vance. 1,886,318; Nov. 1.
Shell reamers, Arbor for. R. T. Butler. 1,874,441; Aug. 30.
Shell, Selective fuse plug. H. J. L. Frank. 1,887,089; Nov. 8.
Shell, Shot. R. G. Clyne. 1,842,445; Jan. 26.
Shellac Composition adapted to remove. B. N. Lougovoy. 1,884,771; Oct. 25.
Shellac substitute. I. S. Mellanoff. 1,857,691; May 10.
Sheller Apparatus. Corn sheller.
Shelling machine. A. Rankine. 1,867,986; July 19.
Shells and resultant article, Forming half bearing. L. C. Blomstrom. 1,868,655; July 26.
Shells, Loading high explosive. N. C. Boyd. 1,847,520; Mar. 1.
Shells, Method and apparatus for inspecting cartridge. F. W. Olin and E. G. Culp. 1,871,120; Aug. 30.
Shells, Method and machine for perforating suction roll. W. H. Millspaugh. 1,854,053; Apr. 12.
Shelter, Animal. M. H. Cooley. 1,887,108; Nov. 8.
Shelter for domestic animals. E. A. Pitts. 1,879,473; Sept. 27.
Shelter, Portable. B. Reis and A. Wasser. 1,845,814; Feb. 16.
Shelving. J. E. Bales and J. B. O'Connor. 1,843,262; Feb. 2.
Shelving. C. H. Jarvis. 1,855,242; Apr. 26.
Shelving, Adjustable. H. J. Onions. 1,880,179; Sept. 27.
Shelving, Knockdown. E. C. Coles. 1,890,076; Dec. 6.
Shelving, Metal. L. H. Fenstermaker. 1,863,625; June 21.
Shelving, Metal. L. H. Fenstermaker. 1,871,972; Aug. 16.
Shelving structure. W. T. Hormes. 1,867,543; July 12.
Shield. R. C. Hughes. 1,858,331; May 17.
Shield. P. V. Powers. 1,841,054; Jan. 12.
Shield actuator, Glare. C. H. Johnson. 1,846,490; Feb. 23.
Shield, Antifrost. S. Frank. 1,890,252; Dec. 6.
Shield, Antiglare. A. Allis. 1,845,643; Feb. 16.
Shield, Antiglare. H. D. Nelson. 1,857,284; May 10.
Shield attachment for garment hangers. F. Goldberg. 1,860,934; May 24.
Shield, Automobile dashboard heat. C. A. Sleweck. 1,887,724; Nov. 15.
Shield, Bullet. S. Satake. 1,843,340; Feb. 2.
Shield, Cable terminal. H. J. Peterson. 1,869,863; Aug. 2.
Shield, Combination. N. F. Dahl. 1,847,522; Mar. 1.
Shield construction, Radiator. J. Galamb. 1,888,719; Nov. 22.
Shield, Elevator operator's hand. M. Goldkind. 1,868,822; July 26.
Shield, Eye. L. Pedersen. 1,886,725; Nov. 8.
Shield, Fluid separator. R. N. Robertson and P. H. Miner. 1,847,307; Mar. 1.
Shield for automobiles, Antiglare. N. M. MacIntosh. 1,842,991; Jan. 26.
Shield for batteries and their parts. M. Simsinovici. 1,867,423; July 12.
Shield for boys' toilet seats. M. M. Bryant. 1,879,066; Sept. 27.
Shield for cables, Concentric. H. Nyquist. 1,871,906; Aug. 16.
Shield for carbide feeds in acetylene generators. H. G. Irwin. 1,857,456; May 10.
Shield for electric torch work, Glare. C. Waglie. 1,848,287; Mar. 8.
Shield for garters, Buckle. L. L. Luce. 1,842,726; Jan. 26.
Shield for hair waving, Protective. G. Comerford. 1,886,977; Nov. 8.
Shield for mowers, Crank wheel. W. J. Coultas. 1,857,273; May 10.
Shield for personal wear, Glare. J. G. Tharp. 1,844,232; Feb. 9.
Shield for silk mills, Warp stop. J. Cronk. 1,857,812; Mar. 29.
Shield for thermostatically controlled oil brooders, Wafer. D. H. Hill. 1,868,978; July 26.
Shield for vehicles, Glare. W. H. Ewend. 1,854,892; Apr. 19.
Shield. Gas burner. G. L. Hammon. 1,865,904; July 5.
Shield, Glare. E. A. Flake. 1,890,577; Dec. 13.
Shield, Glare. G. R. Hannan and R. G. Goldman. 1,876,225; Sept. 6.
Shield, Glare. G. R. Hannan and R. G. Goldman. 1,876,412; Sept. 6.
Shield, Glare. G. R. Hannan and R. G. Goldman. 1,879,216; Sept. 27.
Shield, Glare. L. B. Lewis. 1,843,296; Feb. 2.
Shield, Glare. C. F. Littlefohn. 1,844,289; Feb. 9.
Shield, Glare. A. W. Riches. 1,840,332; Jan. 12.
Shield, Glare. W. J. Summerbell. 1,888,703; Nov. 22.
Shield, Head light glare. J. C. Pearson. 1,888,142; Nov. 15.
Shield, Motorist's eye. F. W. Magee. 1,876,463; Sept. 6.
Shield, Motor vehicle radiator. A. J. Frame. 1,885,248; Nov. 1.
Shield or protector device. W. C. McCreary. 1,872,159; Aug. 16.
Shield, Protective. H. C. Erickson. 1,850,540; Mar. 22.
Shield, Removable radiator. H. G. Kellogg. 1,862,684; June 14.
Shield, Static and magnetic. O. Weeber. 1,875,968; Sept. 6.
Shield, Welding. R. W. Holt. 1,861,797; June 7.
Shielded grid tube. W. L. Krahl. 1,840,365; Jan. 12.
Shielding for high frequency apparatus. H. O. Peterson. 1,875,132; Aug. 30.
Shields, Making radiator. B. Altheimer. 1,859,612; May 24.
Shields of tractor supported cultivators, Raising and lowering. J. E. Hughes. 1,870,910; Aug. 9.
Shift and freewheel construction for vehicles, Gearless. M. F. Sullivan. 1,859,947; May 24.
Shift, Gear. F. S. Cartwright. 1,887,012; Nov. 8.
Shim. F. A. Cook. 1,886,168; Nov. 1.
Shim. G. H. Smith. 1,841,843; Jan. 19.
Shims, Manufacture of wooden. G. B. Shipley. 1,870,656; Aug. 9.
Shingle. H. Abraham. 1,862,500; June 7.
Shingle. H. Abraham. 1,871,646; Aug. 16.
Shingle. H. D. Brown. Des. 86,194; Feb. 16.
Shingle. F. R. Brydle. 1,877,222; Sept. 13.
Shingle. J. A. McCarthy. 1,842,761; Jan. 26.
Shingle. T. D. Miller. 1,860,899; May 31.
Shingle. R. J. Tobin and G. A. Tobin. 1,888,055; Nov. 15.
Shingle and making same, Thick butt. H. A. Emery. 1,852,006; Apr. 5.
Shingle and making the same, Strip. B. C. Beckman. 1,851,300; Mar. 29.
Shingle, Asbestos-cement. H. Abraham. 1,847,707; Mar. 1.
Shingle, Composition. F. E. Theilacker. Re18,515; July 12.
Shingle, Composition. N. P. Harshberger. Re18,698; Dec. 20.
Shingles, Composition. N. P. Harshberger. 1,889,121; Nov. 29.
Shingle element. N. P. Harshberger. 1,885,346; Nov. 1.
Shingle, Interlocking. M. L. Hamlin. 1,891,229; Dec. 20.
Shingle, Irregular strip. F. C. Overbury. 1,843,370; Feb. 2.
Shingle remover. L. Lehman. 1,841,135; Jan. 12.
Shingle, Roofing. E. R. Black. 1,849,785; Mar. 15.
Shingles, Roofing. J. H. Duncan. 1,857,088; Mar. 29.
Shingle roofing and laying the same. W. C. McWilliams. 1,879,378; Sept. 27.
Shingle strip and making same. H. R. Wood. 1,863,178; June 14.
Shingle strips, Forming. F. W. Yeager. 1,840,997; Jan. 12.
Shingles, Handling and treating. A. F. Jackson. 1,869,150; July 26.
Shingles and foundation sheets. A. C. Fischer. 1,854,164; Apr. 12.
Shingles, Cutting. D. Finley. 1,846,635; Feb. 23.
Shingles, Forming thick butt. C. R. Eckert. 1,842,448; Jan. 26.
Shingles, Making. G. B. Stryker, jr. 1,860,060; May 24.
Shingles, Method of and apparatus for making strip. F. C. Overbury. 1,872,603; Aug. 16.
Ship and airplane. J. B. Icre. 1,846,336; Feb. 23.
Ship fremline. G. D. Shaw. 1,844,453; Feb. 9.
Shipping and storage chest, Convertible. E. F. Peters. 1,889,760; Dec. 6.
Shipping device for hats. G. S. Overton. 1,891,334; Dec. 20.
Ship propulsion. G. Marconnet. 1,875,629; Sept. 6.
Ship propulsion. K. Nakatani and M. Takeshita. 1,849,731; Mar. 15.
Ship propulsion system. A. Kennedy, jr. 1,840,107; Jan. 5.
Ship propulsion system. W. Schaelchlin. 1,861,454; June 7.
Ship propulsion systems, Regulation of. G. M. Mitzlaff. 1,861,750; June 7.
Ship side-light, side-scuttle, or port opening for. H. A. Crocker. 1,872,186; Aug. 23.
Ship speed indicator and distance register. R. Star. 1,879,576; Sept. 27.
Shipping and display box, Combination. R. V. Dixn. 1,880,888; Oct. 4.
Shipping and feeding box, Convertible. A. B. Miller. 1,855,555; Apr. 26.

Shipping bracket. H. B. Barnett. 1,880,395; Oct. 4.
Shipping bracket. T. S. Strachan. 1,848,209; Mar. 8.
Shipping case. C. P. Douglass. 1,878,118; Sept. 20.
Shipping case. J. B. Wardwell. 1,866,183; July 5.
Shipping case, Fiber. J. F. Robinson. 1,856,729; May 3.
Shipping device. R. W. Chalmers. 1,854,982; Apr. 19.
Shipping device. L. A. Churgay and H. S. McClellan. 1,857,352; July 12.
Shipping device. L. J. McSweeney. 1,884,062; Oct. 25.
Shipping device, Safety. G. A. Lewis. 1,842,034; Jan. 19.
Shipping reel. D. R. Stevens. 1,857,169; May 10.
Ships, Bow construction for. M. J. Hanlon. 1,859,139; May 17.
Ship's light. T. Utley. 1,858,946; May 17.
Ship's log or like device. E. S. Cole. 1,883,582; Oct. 18.
Ships or the like, Propulsion of. C. M. Farraguto. 1,860,136; July 26.
Ships, Raising sunken. J.-G. Stein. 1,848,581; Mar. 8.
Ships, Remodeling the stern structure of. M. J. Hanlon. 1,864,433; June 21.
Shirt. A. L. Hertzberg. 1,887,639; Nov. 15.
Shirt. M. B. Rucker. 1,857,294; Mar. 29.
Shirt and folding same for display purposes, Folded. H. Cooper. 1,873,954; Aug. 30.
Shirt guard. C. I. Elsey. 1,872,260; Aug. 16.
Shirt pressing machine. E. J. Mavis. 1,852,508; Apr. 5.
Shock absorber. E. L. O. Allen. 1,873,100; Aug. 23.
Shock absorber. F. E. Aseltine. 1,873,256; Aug. 23.
Shock absorber. J. W. Bailie. 1,854,442; Apr. 19.
Shock absorber. E. L. Beecher. 1,865,668; July 5.
Shock absorber. E. L. Beecher. 1,876,552; Sept. 13.
Shock absorber. E. L. Beecher. 1,883,436; Oct. 18.
Shock absorber. D. B. Blake. 1,890,311; Dec. 6.
Shock absorber. F. W. Blanford. 1,879,050; Sept. 27.
Shock absorber. B. Bronson. 1,844,290; Feb. 9.
Shock absorber. A. B. Caspel. 1,880,797; Oct. 4.
Shock absorber. W. A. Chryst. 1,840,700-1; Jan. 12.
Shock absorber. W. A. Chryst. 1,842,821; Jan. 26.
Shock absorber. W. A. Chryst. 1,847,750; Mar. 1.
Shock absorber. W. A. Chryst. 1,863,296; June 14.
Shock absorber. W. A. Chryst. 1,869,092; July 26.
Shock absorber. W. A. Chryst. 1,871,934-6; Aug. 16.
Shock absorber. W. A. Chryst. 1,871,958; Aug. 16.
Shock absorber. G. M. Cross. 1,876,863; Sept. 13.
Shock absorber. R. J. Dickey. 1,861,427; May 31.
Shock absorber. G. Dilley. 1,866,240; July 5.
Shock absorber. M. Fieldman. 1,889,354; Nov. 29.
Shock absorber. E. Flentje. 1,856,325; May 3.
Shock absorber. C. H. Forster. 1,849,709; Mar. 15.
Shock absorber. M. L. Fox. 1,881,450; Oct. 11.
Shock absorber. F. D. Funston. 1,883,895; Oct. 25.
Shock absorber. W. G. Gidge. 1,882,801; Oct. 18.
Shock absorber. F. J. Gibbons. 1,879,182; Sept. 27.
Shock absorber. W. R. Griswold. 1,888,920; Nov. 22.
Shock absorber. E. Gruenfeldt. 1,849,520; Mar. 15.
Shock absorber. A. R. Gruss. 1,841,287; Jan. 12.
Shock absorber. J. M. Hall. 1,852,010; Apr. 5.
Shock absorber. J. M. Hall. 1,882,830-1; Oct. 18.
Shock absorber. J. M. Hall. 1,882,833; Oct. 18.
Shock absorber. C. E. Harriman. 1,859,441; May 24.
Shock absorber. T. J. Hobbs. 1,869,009; July 26.
Shock absorber. F. H. Hunt. 1,842,031; Jan. 26.
Shock absorber. H. E. Jackson. 1,883,292; Oct. 18.
Shock absorber. M. R. Jenney. Re18,411; Apr. 5.
Shock absorber. A. M. Jensen. 1,872,460; Aug. 16.
Shock absorber. E. W. Jolliffe. 1,849,055; Jan. 19.
Shock absorber. C. H. Kindl and F. D. Funston. 1,873,133; Aug. 23.
Shock absorber. H. B. Kinnear. 1,843,681-2; Feb. 2.
Shock absorber. A. W. Kogstrom. 1,845,290; Feb. 16.
Shock absorber. B. D. Kunkle and C. H. Kindl. 1,873,208; Aug. 23.
Shock absorber. E. L. Leinbach. 1,844,326; Feb. 9.
Shock absorber. J. W. Listerman. 1,863,665; June 21.
Shock absorber. H. H. Logan. 1,860,108; May 24.
Shock absorber. W. H. Lolley. 1,866,167; July 5.
Shock absorber. B. L. Mallory. 1,884,034; Oct. 25.
Shock absorber. J. A. McGrew. 1,845,165-6; Feb. 16.
Shock absorber. J. A. McGrew. 1,876,146; Sept. 6.
Shock absorber. F. H. McLain. 1,855,866; Apr. 26.
Shock absorber. A. McNab. 1,855,921; Apr. 26.
Shock absorber. C. N. Mitchell. 1,864,845; June 28.
Shock absorber. L. O. Moffatt. 1,840,462; Jan. 12.
Shock absorber. C. L. Moorman. 1,847,354; Mar. 1.
Shock absorber. J. C. Parsons. 1,871,911; Aug. 16.
Shock absorber. R. F. Peo. 1,852,755; Apr. 5.
Shock absorber. R. F. Peo. 1,881,956-7; Oct. 11.
Shock absorber. R. F. Peo. 1,884,188; Oct. 25.
Shock absorber. J. H. Redhead. 1,877,588; Sept. 13.
Shock absorber. C. C. Richard. 1,870,871; Aug. 9.
Shock absorber. W. W. Riedel. 1,865,483; July 5.
Shock absorber. E. F. Rossman. 1,844,795; Feb. 9.
Shock absorber. E. F. Rossman. 1,861,818; June 7.
Shock absorber. E. F. Rossman. 1,863,315; June 14.
Shock absorber. E. H. Schmidt. 1,853,933; Apr. 12.
Shock absorber. G. A. Shell. 1,859,995; May 24.
Shock absorber. C. W. Sherman. 1,877,998; Sept. 20.
Shock absorber. J. R. Snyder. 1,889,796; Dec. 6.
Shock absorber. A. A. Thayer. 1,883,436; Oct. 18.
Shock absorber. A. Thomson. 1,852,135; Apr. 5.
Shock absorber. M. Tibbetts. 1,854,964; Apr. 19.
Shock absorber. F. J. Tippen. 1,868,859; July 26.
Shock absorber. C. W. Van Ranst. 1,851,654; Mar. 29.
Shock absorber. H. C. Walters. 1,871,931; Aug. 16.
Shock absorber. J. W. Watson. 1,843,855; Feb. 2.
Shock absorber. L. F. Wendelstadt. 1,877,543; Sept. 13.
Shock absorber. L. S. Wilbur. 1,857,750; May 10.
Shock absorber. B. H. Wile. 1,863,144; June 14.
Shock absorber. S. A. Wilson. 1,880,030; Sept. 27.
Shock absorber. L. Zuber. 1,890,713; Dec. 13.
Shock absorber and wheel brake for aircraft, Combined. F. Fiader. 1,851,623; Mar. 29.
Shock absorber, Automobile. A. J. Layhon. 1,844,288; Feb. 9.
Shock absorber device. F. H. Royce. 1,866,671; July 12.
Shock absorber, Double acting. G. W. Elsey. 1,856,753; May 3.
Shock absorber, Fluid. J. Eckhard. 1,875,860; Sept. 6.
Shock absorber for automobiles. E. M. Singleton. 1,843,344; Feb. 2.
Shock absorber for automobiles and the like, Hydraulic. A. Fowble. 1,874,485; Aug. 30.
Shock absorber for cars. H. Fromm. 1,889,197; Nov. 29.
Shock absorber for draft gears. C. W. Sherman. 1,877,999; Sept. 20.
Shock absorber for motor vehicles. L. Hezard. 1,850,876; Mar. 22.
Shock absorber for pressure controlled indicating and recording devices. L. de Florez. 1,856,695; May 3.
Shock absorber for vehicles. W. H. Appleman. 1,875,409; Sept. 6.
Shock absorber, Hydraulic. C. H. Chapin. 1,887,709; Nov. 15.
Shock absorber, Hydraulic. W. A. Chryst. 1,842,822; Jan. 26.
Shock absorber, Hydraulic. H. Ford. 1,888,716; Nov. 22.
Shock absorber, Hydraulic. N. D. and M. B. Garis. 1,845,911; Feb. 16.
Shock absorber, Hydraulic. M. Houdaille. 1,843,603; Feb. 2.
Shock absorber, Hydraulic. F. A. Huff. 1,861,056; May 31.
Shock absorber, Hydraulic. S. Jencick. 1,882,633; Oct. 11.
Shock absorber, Hydraulic. S. Lafluer. 1,865,865; July 5.
Shock absorber, Hydraulic. H. E. Lent. 1,845,504; Feb. 16.
Shock absorber, Hydraulic. S. L. Marsh. 1,862,228; June 7.
Shock absorber, Hydraulic. A. Moorhouse. 1,851,679; Mar. 29.
Shock absorber, Hydraulic. W. W. Riedel. 1,865,482; July 5.
Shock absorber, Hydraulic. V. Sussin. 1,876,092; Sept. 6.
Shock absorber, Hydraulic. H. H. Taylor. 1,855,897; Apr. 26.
Shock absorber, Hydraulic. J. B. Whitted. 1,883,206; Oct. 18.
Shock absorber, Wire line. L. R. Pierce. 1,882,161; Oct. 11.
Shock absorbers, Actuating means for. J. Eckhard. 1,875,575; Sept. 6.
Shock absorbing apparatus, Elastic. G. L. R. J. Messier. 1,855,064; Apr. 19.
Shock-absorbing apparatus for massive wheels. P. Altuna. 1,890,442; Dec. 13.
Shock absorbing coupling. R. H. Carr and W. C. Trout. 1,887,011; Nov. 8.
Shock absorbing device. R. Kollmar. 1,848,892; Mar. 8.
Shock absorbing device for motor cars. X. Seitz. 1,858,971; May 17.
Shock absorbing device for outboard motor drives. L. J. Johnson. 1,886,191; Nov. 1.
Shock absorbing handle. C. B. Coates. 1,868,626-7; July 26.
Shock absorbing mechanism. C. K. Brooks and H. L. Spence. 1,872,881; Aug. 23.
Shock absorbing mechanism. A. O. Buckius. 1,873,540; Aug. 23.
Shock absorbing mechanism. R. H. Churchill. 1,887,287; Nov. 8.
Shock absorbing mechanism. S. B. Haseltine. 1,874,288; Aug. 30.
Shock absorbing mechanism. H. T. Krakau. 1,872,978; Aug. 23.
Shock absorbing mechanism. J. A. McGrew. 1,845,167; Feb. 16.
Shock absorbing mechanism. W. H. Miner. 1,871,420; Aug. 9.
Shock absorbing mechanism. J. F. O'Connor. 1,869,578-9; Aug. 2.
Shock absorbing mechanism. R. J. Olander. 1,853,696; Apr. 12.
Shock absorbing mechanism. E. H. Schmidt. 1,853,836; Apr. 12.
Shock absorbing mechanism. G. W. Wildin. 1,851,997; Apr. 5.
Shock absorbing mechanism, Friction. W. A. Geiger. 1,876,908; Sept. 13.
Shock absorbing mechanism, Friction. W. A. Geiger. 1,882,799; Oct. 18.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,846,517; Feb. 23.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,851,577; Mar. 29.

Shock absorbing mechanism, Friction. S. B. Haseltine. 1,860,540; May 31.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,870,508; Aug. 9.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,871,368; Aug. 9.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,882,838; Oct. 18.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,882,840; Oct. 18.
Shock absorbing mechanism, Friction. G. A. Johnson. 1,877,329; Sept. 13.
Shock absorbing mechanism, Friction. G. A. Johnson and S. B. Haseltine. 1,853,730; Apr. 12.
Shock absorbing mechanism, Friction. G. Q. Lewis. 1,846,495; Feb. 23.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,840,124–5; Jan. 5.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,843,729; Feb. 2.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,851,590; Mar. 29.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,856,422; May 3.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,861,664; June 7.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,862,764; June 14.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,862,766; June 14.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,873,718; Aug. 23.
Shock absorbing mechanism, Friction. R. J. Olander. 1,882,870; Oct. 18.
Shock absorbing mechanism, Friction. W. E. Van Dorn. 1,870,537; Aug. 9.
Shock absorbing mechanism, Friction. A. P. Withall. 1,874,402; Aug. 30.
Shock absorbing or minimizing means for building. R. W. de Montalk. 1,847,820; Mar. 1.
Shock absorbing suspension. A. Dubonnet. 1,874,034; Aug. 30.
Shock eliminating device. C. M. Seymour. 1,866,677; July 12.
Shock equalizer. C. W. Miller. 1,847,252; Mar. 1.
Shock-forming machine. C. Christiansen. 1,883,563; Oct. 18.
Shock insulating device. E. R. Evans. 1,868,163; July 19.
Shock insulating device, Making a. E. R. Evans. 1,892,505; Dec. 27.
Shock reducing device. E. E. Reynolds. 1,871,390; Aug. 9.
Shock vibration absorbing and damping device. H. J. Weydert. 1,881,155; Oct. 4.
Shocker attachment for grain binders. A. T. Hamberger. 1,846,722; Feb. 23.
Shocker, Grain. W. F. Thorne. 1,880,221; Oct. 4.
Shocker, Grain. R. Woods. 1,855,081; Apr. 19.
Shocks, System for running. L. Ammirandoli and C. Baldi. 1,891,340; Dec. 20.
Shoe. J. E. Andrews. Des. 88,742–3; Dec. 27.
Shoe. A. F. Bancroft. Des. 86,101; Feb. 2.
Shoe. A. F. Bancroft. Des. 86,347; Mar. 1.
Shoe. A. F. Bancroft. Des. 86,758–9; Apr. 19.
Shoe. A. F. Bancroft. Des. 87,141; June 14.
Shoe. A. F. Bancroft. Des. 88,066; Oct. 25.
Shoe. G. H. Boehmer. 1,855,270; Apr. 26.
Shoe. P. Brinnemeier. 1,847,048; Mar. 1.
Shoe. C. H. and C. B. Brown. 1,879,729; Sept. 27.
Shoe. C. H. Caldwell. Des. 87,458–9; Aug. 2.
Shoe. J. Cary. 1,839,297; Jan. 5.
Shoe. W. E. Ebling. Des. 88,636; Dec. 13.
Shoe. N. Elkin. Des. 86,881; May 3.
Shoe. F. Ellingham. Des. 87,252; June 28.
Shoe. J. F. Gilkerson. 1,852,238; Apr. 5.
Shoe. G. H. Gillis. 1,867,003; July 12.
Shoe. G. Gray. 1,849,681; Mar. 15.
Shoe. L. M. Leverone. Des. 86,035; Jan. 19.
Shoe. L. M. Leverone. Des. 87,529–33; Aug. 9.
Shoe. L. M. Leverone. Des. 87,585–7; Aug. 16.
Shoe. H. Lieber. Des. 87,929; Oct. 11.
Shoe. J. J. Lyons. Des. 88,618; Mar. 29.
Shoe. E. Marino. 1,887,319; Nov. 8.
Shoe. E. F. Mathews. 1,888,862; Nov. 22.
Shoe. J. McBrearty. 1,843,952; Feb. 9.
Shoe. R. F. McCarthy. 1,878,419; Sept. 20.
Shoe. S. J. Meyer. Des. 86,091; Jan. 26.
Shoe. C. Miller. Des. 85,953; Jan. 5.
Shoe. C. Miller. Des. 86,384–98; Mar. 1.
Shoe. C. Miller. Des. 86,532; Mar. 15.
Shoe. C. Miller. Des. 86,622; Mar. 29.
Shoe. C. Miller. Des. 86,795–8; Apr. 19.
Shoe. C. Miller. Des. 86,920; May 3.
Shoe. C. Miller. Des. 86,924–6; May 10.
Shoe. C. Miller. Des. 86,964; May 17.
Shoe. S. Miller. Des. 87,847–9; Sept. 27.
Shoe. C. Miller. Des. 88,166; Nov. 1.
Shoe. C. Miller. Des. 88,312–13; Nov. 15.
Shoe. C. Miller. Des. 88,365; Nov. 22.
Shoe. C. Morali. Des. 86,260–1; Feb. 16.
Shoe. C. Morali. Des. 87,275; June 28.
Shoe. C. Morali. Des. 87,972; Oct. 18.
Shoe. F. E. Packard. Des. 87,020; May 24.
Shoe. F. Parlante. 1,864,506; June 21.
Shoe. A. E. Piekenbrock. 1,845,934; Feb. 16.
Shoe. L. Pignanelli. Re18,461; May 10.
Shoe. L. Pignanelli. Re18,615; Oct. 11.
Shoe. L. Pignanelli. 1,844,017; Feb. 9.
Shoe. E. J. Ramsey. 1,843,517; Feb. 2.
Shoe. C. M. Riddick. Des. 86,058; Jan. 19.
Shoe. L. Rosenwasser. 1,841,058; Jan. 12.
Shoe. A. Santor. 1,885,297; Nov. 1.
Shoe. D. F. Seremba. 1,846,617; Feb. 23.
Shoe. M. Simonovitz. 1,891,064; Dec. 13.
Shoe. A. Thoma. 1,850,309; Mar. 22.
Shoe. G. F. Walsh. 1,887,225; Nov. 15.
Shoe, Adjustable snowplow. A. J. Dombrowski. 1,887,451; Nov. 8.
Shoe and cleat structure, Sport. G. L. Pierce and K. Karlson. 1,851,058; Mar. 29.
Shoe and cleat therefor, Cleated athletic. H. Goldsmith. 1,867,915; July 19.
Shoe and making same, Rubber soled. C. B. Bradley. 1,853,034; Apr. 12.
Shoe and manufacturing same. H. W. Cook. 1,871,211; Aug. 9.
Shoe and manufacturing same. N. Elkin. 1,843,271; Feb. 2.
Shoe and shank piece therefor, Turn. M. W. White. 1,847,287; Mar. 1.
Shoe and shank stiffener therefor. R. B. Bartels. 1,862,734; June 14.
Shoe and shank stiffener therefor. O. H. L. Thelen. 1,860,437; May 31.
Shoe and sole positioning mechanism. W. D. Thomas. 1,877,434; Sept. 13.
Shoe and valve, Casing. J. Q. Little. Re18,651; Nov. 8.
Shoe, Athletic. F. W. Jones. 1,855,452; Apr. 26.
Shoe attachment, Spring. G. M. Leach. 1,858,833; May 17.
Shoe bag, Collapsible. M. C. Berg. 1,847,066; Mar. 1.
Shoe, Bathing. C. W. Hubbell. 1,857,153; May 10.
Shoe-bottom filler. A. Thoma. 1,868,927; July 26.
Shoe bottom filler. A. Thoma. 1,874,406; Aug. 30.
Shoe bottom filler sheet or piece. A. Thoma. 1,841,461; Jan. 19.
Shoe bottoms, Apparatus for producing crepe rubber spring-heeled. B. F. Hartwell. 1,885,718; Nov. 1.
Shoe brushing apparatus. J. E. S. Taylor. 1,870,349; Aug. 9.
Shoe buckle. W. L. Gibbons. Des. 87,835; Sept. 27.
Shoe buckle. H. G. Whitehouse. Des. 87,947; Oct. 11.
Shoe, Cement. E. L. Odenbach. 1,858,402; Mar. 8.
Shoe cementing machine. H. Walther. 1,854,284; Apr. 19.
Shoe cleaning device. A. Appelt. 1,843,500; Feb. 2.
Shoe construction. C. H. and C. B. Brown. 1,866,616; July 12.
Shoe construction. A. P. Gilbert. 1,885,598; Nov. 1.
Shoe construction. L. Hasel. 1,855,234; Apr. 26.
Shoe construction. E. L. Heller. 1,854,030; Apr. 12.
Shoe, Counter. J. W. Lake. 1,887,935; Nov. 15.
Shoe covering with cross-lace ornamentation. N. R. Hakim. Des. 86,957; May 17.
Shoe covering with single-lace ornamentation. N. R. Hakim. Des. 86,958; May 17.
Shoe covering with zigzag-lace ornamentation. N. R. Hakim. Des. 86,957; May 17.
Shoe cut-out means. D. D. Wilkerson. 1,877,105; Sept. 13.
Shoe easing device. F. R. Long. 1,862,600; June 14.
Shoe fastening device. R. L. and W. E. Boulet. 1,862,047; June 7.
Shoe fastening device. T. K. Poon. 1,879,475; Sept. 27.
Shoe filling method. A. Thoma. 1,890,473; Dec. 13.
Shoe-filler, Making. A. Thoma. 1,868,928; July 26.
Shoe filler piece. A. H. Avery. 1,868,041; July 19.
Shoe filler piece. A. Thoma. 1,855,780; Apr. 26.
Shoe filler piece, Making. A. Thoma. 1,857,672; May 10.
Shoe finishing machine. L. Bellando. 1,861,903; June 7.
Shoe finishing machine. A. C. Smith. 1,841,647; Jan. 19.
Shoe for motor vehicle wheels, Rigid. M. Borgstrom and O. E. Haglund. 1,869,298; July 26.
Shoe, Golf. M. B. Reach. 1,870,751; Aug. 9.
Shoe grip. T. G. Youmans. 1,876,195; Sept. 6.
Shoe hanger. E. M. Watson. 1,846,377; Feb. 23.
Shoe heater. M. O. Jennings. 1,876,054; Sept. 6.
Shoe heater. M. O. Jennings and L. E. Alloy. 1,876,055; Sept. 6.
Shoe heel clamp. F. Powyszynski. 1,863,166; June 14.
Shoe heel machine. A. P. Froussard. 1,846,029; Feb. 23.
Shoe heel or similar article. C. H. Ingwer. Des. 87,924; Oct. 11.
Shoe horn and case, Combination. R. P. E. Start. 1,867,774; July 19.
Shoe lace and catch therefor, Elastic. G. Clampi. 1,848,318; Mar. 8.
Shoe laces, Inserting and protecting device for. O. Kircher. 1,844,223; Feb. 9.
Shoe, Ladder. W. J. Baker. 1,862,171; June 7.
Shoe last. E. Broberg. 1,887,116; Nov. 8.
Shoe machine. F. M. Furber. 1,858,534; May 17.
Shoe machine. J. H. Pope. 1,839,260; Jan. 5.
Shoe machine, Automatic. A. R. Morrill. 1,887,136; Nov. 8.
Shoemaking. J. F. Standish. 1,847,274; Mar. 1.
Shoe making machine, Stitch down. F. W. Valentine. 1,866,182; July 5.

Shoe, Metal. P. Burdotti, 1,891,021; Dec. 13.
Shoe or boot, Lacing. A. Pittrof, 1,876,263; Sept. 6.
Shoe or cushion, Yieldable. A. C. Fulton, 1,874,955; Aug. 30.
Shoe ornamenting device. B. W. Freeman, 1,851,667; Mar. 29.
Shoe ornamenting device for shoe ornamenting machines. B. W. Freeman, 1,839,544; Jan. 5.
Shoe, Orthopedic. G. V. Arthur, 1,845,031; Feb. 16.
Shoe-part blanks, Method of and apparatus for operating upon. J. A. Brogan, 1,857,150; May 10.
Shoe parts, Apparatus for conditioning. F. E. Toothaker, 1,884,921; Oct. 25.
Shoe parts, Device for assembling. H. L. Chapin, 1,839,193; Jan. 5.
Shoe, Pile. G. C. Munoz, 1,879,414; Sept. 27.
Shoe plate. F. D. Reynolds, 1,857,575; May 10.
Shoe plate. F. D. Reynolds, 1,873,328; Aug. 23.
Shoe plate. F. D. Reynolds, 1,875,152; Aug. 30.
Shoe polishing device. L. Nassif, 1,875,600; Sept. 6.
Shoe polishing machine. H. A. Dodge, 1,883,261; Nov. 22.
Shoe polishing outfit. I. Grodsky, 1,886,541; Nov. 8.
Shoe portions, Apparatus for treating. F. Ricks and H. E. Elliott, 1,864,671; June 28.
Shoe pounding-up machine. H. Zweifel and C. W. L. Miller, 1,847,547; Mar. 1.
Shoe press. J. Amico, 1,847,095; Mar. 1.
Shoe-pressing machine. H. A. Davenport, 1,859,434; May 24.
Shoe pressing machine. F. L. Mooney, 1,881,840; Oct. 11.
Shoe rack. J. J. Knape, 1,886,961; Nov. 8.
Shoe rack. H. C. Miller, 1,863,204; June 14.
Shoe rack, Collapsible. J. C. Matallana, 1,874,056; Aug. 30.
Shoe removing mechanism. B. Jorgensen, 1,843,231; Feb. 2.
Shoe repairing jack. J. Leddy, 1,854,591; Apr. 19.
Shoe repairing tool. J. Klos, 1,873,551; Jan. 26.
Shoe sewing machine. J. Sünder, 1,883,859; Oct. 18.
Shoe shank stiffener. S. Ferragamo, 1,862,359; June 7.
Shoe shining apparatus. L. Angral, 1,859,620; Nov. 29.
Shoe-shining chair. R. S. Trulock, 1,891,071; Dec. 13.
Shoe shining machine. M. W. Spruill, 1,887,906; Nov. 15.
Shoe shining machine. J. T. Uden, 1,881,036; Oct. 4.
Shoe, slipper, boot, and the like. P. W. Bullock, 1,861,299; May 31.
Shoe sole. W. Brown, jr. Des. 86,594; Mar. 29.
Shoe sole. F. D. Fowler. Des. 88,763; Dec. 27.
Shoe sole. H. T. Mason. 86,924; May 26.
Shoe sole. G. L. Pierce. 1,872,604; Aug. 16.
Shoe sole. N. Wallace. 1,845,008; Feb. 16.
Shoe sole. C. L. White. Des. 87,054; May 24.
Shoe sole. W. Wood. 1,857,703; May 10.
Shoe sole channeling machine. G. Passefume. 1,859,459; May 24.
Shoe sole or similar article. M. S. Klien. Des. 86,527; Mar. 15.
Shoe sole press. J. Kewley. 1,879,753; Sept. 27.
Shoe sole, Rubber. D. Des. 86,102; Feb. 2.
Shoe, Sport. D. A. Cutler, 1,842,387; Jan. 26.
Shoe, Sport. M. C. Stevenson, 1,889,734; Nov. 29.
Shoe stiffener. A. Bell, 1,843,687; Feb. 2.
Shoe stiffener. S. P. Lovell, 1,871,273; Aug. 9.
Shoe stiffener. L. P. Mellerio and W. J. Lund, 1,846,346; Feb. 23.
Shoe stiffener and making it. E. Lionne, 1,848,732; Mar. 8.
Shoe stiffener and shoe. L. P. Mellerio, 1,859,452; May 24.
Shoe stiffener conditioning machine. C. S. Emerson, 1,882,005; Oct. 11.
Shoe stiffener conditioning machine. E. E. Rowe, 1,867,594; July 19.
Shoe stiffener manufacture. J. M. Lurie, 1,886,345; Nov. 1.
Shoe stiffeners, Apparatus for softening. H. L. Sawyer and J. W. Cosgrove, 1,857,218; May 10.
Shoe stiffening. F. Sayles, 1,848,529; Mar. 8.
Shoe strap. S. Fischer, 1,855,345; Apr. 26.
Shoe stretching device. W. E. Ralstin, 1,862,940; June 14.
Shoe structure. F. A. Melchionna, 1,871,547; Aug. 16.
Shoe tap. J. Slepian, 1,863,356; June 14.
Shoe tree. P. G. Nelson, 1,846,774; Feb. 23.
Shoe tree and stretcher, Collapsible. J. Schmucker, 1,839,600; Jan. 5.
Shoe tree Expansion. M. Hoff, 1,879,242; Sept. 27.
Shoe, Turned. D. Schreiber, 1,886,501; Nov. 8.
Shoe upper. J. M. Sundean, 1,839,274; Jan. 5.
Shoe uppers in lasted position, Device for holding. K. Sohlke, 1,854,354; Apr. 19.
Shoe uppers in lasted position, Holding. C. F. Pym, 1,855,418; Apr. 26.
Shoe uppers, Lacing. H. E. Enslin, 1,881,178; Oct. 4.
Shoe uppers, Preparing and assembling parts of. H. E. Enslin, 1,862,890; June 14.
Shoe vamp. G. S. Laird, Des. 86,612; Mar. 29.
Shoe vamp treating mechanism. A. A. Rost, 1,855,693; Apr. 26.
Shoe, Ventilated. D. Cohen, 1,890,433; Dec. 6.
Shoe ventilating device. E. H. Heller, 1,870,114; Aug. 2.
Shoe weld. J. V. Mattos, 1,840,405; Jan. 12.
Shoe with felt and leather sole and with solid heel counter, Turn camelhair. B. Beruesi, 1,842,964; Jan. 19.
Shoes, Adjustable arch construction for. M. Hirshfeld, 1,885,259; Nov. 1.
Shoes, Adjustable spur plate for. H. W. Forbes and E. Mitchell, 1,889,649; Nov. 29.
Shoes and heels, Making. N. Harig, 1,885,257; Nov. 1.
Shoes, Apparatus for conditioning parts of. G. Hazelton and T. B. Clarke, 1,884,674; Oct. 25.
Shoes, Apparatus for reducing stiffness from. O. W. Eisen, 1,845,702; Mar. 8.
Shoes, Apparatus for shaping. R. H. Grier and A. Sachs, 1,875,504; Aug. 30.
Shoes, Attachment for. K. B. Sunderland, 1,886,134; Nov. 1.
Shoes, Cementing parts of. I. L. Keith, 1,856,562; May 3.
Shoes, Coasting attachment for. F. O. Bergstrand, 1,866,006; July 5.
Shoes, Filling. A. Thoma, 1,859,257; May 17.
Shoes, Filling. A. Thoma, 1,883,105; Oct. 18.
Shoes, Ground gripping device for. W. A. Barden, 1,874,155; Aug. 30.
Shoes, Lasting. E. I. La Chapelle, 1,863,752; June 21.
Shoes, Making. W. H. Bain, 1,885,574; Nov. 1.
Shoes, Making. F. Colella, 1,847,233; Mar. 1.
Shoes, Making. J. E. Disse, 1,854,927; Apr. 19.
Shoes, Making. M. L. Dodge and H. A. Jordan, 1,872,571; Aug. 16.
Shoes, Making. G. Goddu, 1,885,197; Nov. 1.
Shoes, Making. E. P. Libby, 1,889,205; Nov. 29.
Shoes, Making. C. Miller and A. Leone, 1,878,876; Sept. 20.
Shoes, Making. P. L. O'Donnell, 1,847,975; Mar. 1.
Shoes, Making. H. A. Osborne, 1,872,325; Aug. 16.
Shoes, Making. N. A. Rose, 1,885,367; Nov. 1.
Shoes, Making rubber. F. D. Kinney, 1,871,890; Aug. 16.
Shoes, Making tennis. A. C. Estey, 1,855,226; Apr. 26.
Shoes, Making turn. M. L. Dodge, 1,854,397; Apr. 19.
Shoes, Manufacture of. A. Bates, 1,864,629; June 28.
Shoes, Manufacture of. E. A. Holmgren, 1,853,126; Apr. 12.
Shoes, Manufacture of turn. A. T. Foster, 1,891,260; Dec. 20.
Shoes, Marking and cementing. B. W. Freeman, W. S. Herschel and H. E. Patterson, 1,891,087; Dec. 13.
Shoes, Nonslipping attachment for. H. D. Driscoll, 1,871,564; Aug. 16.
Shoes, System of manufacturing. M. O. Frost, 1,863,557; June 21.
Shook arranger. C. E. Stubbs and E. D. Brooks, 1,864,776; June 28.
Shook carriage for box making machines. H. Paxton, 1,867,951; July 19.
Shoots of young trees, Method and device to direct the. F. Dalchow, 1,886,531; Nov. 8.
Shopping bag. F. Hardy, 1,841,891; Jan. 10.
Shore. A. C. Marshall, 1,857,021; May 10.
Shore. R. I. Newton, 1,849,377; Mar. 15.
Shore. H. W. Roos, 1,867,233; July 12.
Shore. A. H. Symons, 1,884,683; Oct. 11.
Shore, Adjustable. C. M. Markham, 1,847,660; Mar. 1.
Shore, Adjustable. H. W. Roos, 1,888,738; Nov. 22.
Shore attachment. C. M. Markham, 1,842,683; Jan. 26.
Shore, Construction. R. R. Roemer, 1,843,631; Feb. 2.
Shoring. J. R. Bullis, 1,890,966; Dec. 13.
Shoring, Adjustable. A. Bell, 1,848,478; Mar. 8.
Shoring or supporting the roofs of mines, Device for. R. W. Cuthbertson, 1,851,496; Mar. 29.
Short circuiter. E. P. Larsh, 1,871,893; Aug. 16.
Short circuiter for electric motors. A. Borchers, 1,887,672; Nov. 15.
Short circuiting device. E. J. Haverstick, 1,872,285; Aug. 16.
Short circuiting flew around impellers, Device for preventing. A. R. Weiz, 1,839,514; Jan. 5.
Short wave lengths, Eliminating fading on. H. Beverage and H. O. Peterson, 1,874,866; Aug. 30.
Shot concentrating projectile for sporting guns, Visible. M. Gerhesin-Lafitte, 1,864,916; June 28.
Shot, Making. A. G. Schuricht and G. T. Wright, 1,865,727; July 5.
Shot shell and loading the same. R. G. Clyne, 1,883,575; Oct. 18.
Shot shells, Coating. J. H. Carmichael, 1,846,843; Feb. 23.
Shoulder and arm press. E. H. Zacharias, 1,868,934; July 26.
Shoulder gauge. E. H. Aldeborgh, 1,840,006; Jan. 5.
Shoulder pad. F. Glahe, 1,846,193; Feb. 23.
Shoulder pad. E. W. Till, 1,862,441–2; June 7.
Shoulder rest. W. V. Arthur, 1,841,393; Jan. 19.
Shoulder rest for violins. M. Medakovic, 1,879,386; Sept. 27.
Shoulder strap. A. Winterbottom, 1,842,927; Jan. 26.
Shovel; See—

Back digging shovel.	Power shovel.
Cultivator shovel.	Snow shovel.
Excavating shovel.	Steam shovel.
Hydraulic mining shovel.	

Shovel. L. H. Cummings, 1,850,498; Mar. 22.
Shovel and ice chopper for cleaning pavements, Hand operated snow. H. L. Winkie, 1,889,285; Jan. 5.
Shovel handle, Metal. C. L. Butts, 1,843,120; Feb. 2.

Shoveling machine. W. Whaley. 1,883,200 ; Oct. 18.
Show case. A. H. Ehrlich. 1,866,401 ; July 5.
Show case. E. Sanders. 1,850,417 ; Mar. 22.
Showcase, Refrigerated. H. M. Hunt and J. H. Batteiger. 1,851,515 ; Mar. 29.
Show case, Refrigerator. C. V. Hill. 1,857,545 ; May 10.
Show case, Refrigerator. C. V. Hill. 1,859,826 ; May 24.
Show case, Refrigerated. L. U. Larkin. 1,887,313 ; Nov. 8.
Show case, Refrigerator. J. Woolf. 1,845,468 ; Feb. 16.
Shower bath, Folding. T. J. Cunningham. 1,846,631 ; Feb. 23.
Shower head. W. P. Ferguson. Des. 87,961 ; Oct. 18.
Shower head. J. Frary. 1,849,517 ; Mar. 15.
Shower head. G. R. McCurdy and J. R. Turek. 1,891,720 ; Dec. 20.
Shower head, Anti-scald. G. J. Hughes. 1,877,510 ; Sept. 13.
Shower pipe. S. Wheeler, jr. 1,857,829 ; May 10.
Shredder, Pineapple. E. E. Innes. 1,822,665 ; Oct. 18.
Shredder, Vegetable. C. A. Rowley. 1,845,522 ; Feb. 16.
Shredding machine. D. W. Sarvay, J. J. Grieb, and A. J. Fritz. 1,891,245 ; Dec. 20.
Shrine. M. Hague. Des. 87,211 ; June 21.
Shrinkage, Evenness of. R. Elsner. 1,867,617 ; July 19.
Shroud. A. E. Straus. 1,890,919 ; Dec. 13.
Shroud attachment for containers. H. Stephens. 1,847,277 ; Mar. 1.
Shuffler and dealer, Automatic card. R. C. McKay. 1,885,276 ; Nov. 1.
Shut off device for wells. F. B. Angell. 1,842,381 ; Jan. 26.
Shut-off for water heaters, Electric heat. L. D. Lovekin. 1,875,928 ; Sept. 6.
Shut-off mechanism, Automatic. E. W. Mears. 1,877,349 ; Sept. 13.
Shutter and color filter for the motion picture projection arts, Combination. F. W. Hochstetter. 1,846,054 ; Feb. 23.
Shutter and driving mechanism therefor, Double. A. Dina. 1,858,239 ; May 17.
Shutter and film moving mechanism. Combined. G. Lowkrantz and L. W. Lessler. 1,864,657 ; June 28.
Shutter and framing device, Compound fire. A. Dina. 1,854,490 ; Feb. 16.
Shutter and ventilator, Combined. J. D. Basson. 1,883,753 ; Oct. 18.
Shutter mechanism for moving picture machines. E. V. Hoffmann and J. E. Soons. 1,885,825 ; Nov. 1.
Shutter blades, Method and apparatus for making. N. Wyberg. 1,874,009 ; Aug. 30.
Shutter control device. A. G. McCaleb. 1,853,870 ; Apr. 12.
Shutter, Extensible. E. Bolard. 1,858,801 ; May 17.
Shutter for motion picture projection machines. O. A. Ross. 1,843,093 ; Jan. 26.
Shutter for photographic objectives. M. Seifert. 1,867,749 ; July 19.
Shutter for Röntgen apparatus, Rotary. W. Bauermeister. 1,890,360 ; Dec. 6.
Shutter lifter, Framing light. W. P. Nelson. 1,870,463 ; Aug. 9.
Shutter mechanism. A. Dina. 1,884,605 ; Oct. 25.
Shutter operating mechanism. H. T. Thomas. 1,845,100 ; Feb. 16.
Shutter, Radiator. E. G. Petersen. 1,884,194 ; Oct. 25.
Shutter, Thermostatically controlled. H. H. Crawford. 1,845,484–5 ; Feb. 16.
Shutter unit. E. G. Petersen. 1,884,195 ; Oct. 25.
Shutter, Veil. F. Jerman. 1,887,265 ; Nov. 8.
Shuttle. E. Bloom. 1,881,167 ; Oct. 4.
Shuttle. A. Christoph. 1,861,593 ; June 7.
Shuttle. J. B. Daudelin. 1,861,115 ; May 31.
Shuttle. J. B. Daudelin and E. E. Talbot. 1,875,370 ; Sept. 6.
Shuttle. H. A. Davol. 1,880,862 ; Oct. 4.
Shuttle. F. E. Douglas. 1,892,387 ; Dec. 27.
Shuttle. A. Guldemann. 1,867,146 ; July 12.
Shuttle. W. L. Hall. 1,885,823 ; Nov. 1.
Shuttle, Automatic loom. L. Pavia. 1,840,464 ; Jan. 12
Shuttle, Automatic side feed. I. Snow. 1,874,648 ; Aug. 30.
Shuttle binder for looms. E. R. Holmes. 1,852,241 ; Apr. 5.
Shuttle changing mechanism. V. Lindsjo. 1,850,304 ; Mar. 22.
Shuttle changing mechanism for a loom weaving with one or several shuttles, Automatic. A. Poncet. 1,891,318 ; Dec. 20.
Shuttle check and protector mechanism. W. W. Robertson. 1,868,720 ; July 26.
Shuttle feeler thread parter and clamp. W. L. Smith. 1,856,793 ; May 3.
Shuttle for electrical weft detectors. R. G. Turner. 1,873,163 ; Aug. 23.
Shuttle for narrow ware looms. E. R. Holmes. 1,852,081 ; Apr. 5.
Shuttle for thread cutters. O. V. Payne. 1,881,922 ; Oct. 11.
Shuttle mechanism for weaving machines. P. R. Watson and A. G. Phillipson. 1,840,758 ; Jan. 12.
Shuttle motion. F. C. Matthews. 1,891,648 ; Dec. 20.
Shuttle pressure plate. A. F. Edouart. 1,888,527 ; Nov. 22.
Shuttle race for sewing machines. E. B. Allen. 1,869,402 ; Aug. 2.
Shuttle, Self threading. J. C. Grieser. 1,854,989 ; Apr. 19.
Shuttle spring. F. E. Douglas. 1,890,315 ; Dec. 6.
Shuttle structure for wire cloth looms and handling weft wire. H. L. Thompson. 1,890,008 ; Dec. 6.
Shuttle tension. W. A. Graf. 1,869,504 ; Jan. 12.
Shuttles for pirns and rewound wefts, Weaver's. 1,890,195 ; Dec. 6.
Shuttles for sewing machines. W. T. Minett. 1,883,812 ; Oct. 18.
Shuttles, Internal electrical feeler for. R. G. Turner. 1,873,679 ; Aug. 23.
Shuttles of power looms, Adjusting stopping-position of. K. Sakamoto. 1,863,127 ; June 14.
Sicca tives, Producing. F. Meidert. 1,878,962 ; Sept. 20.
Sickle bar. W. D. Huff. 1,851,840 ; Mar. 29.
Sickle bar control. G. A. Chadbourne. 1,856,984 ; May 3.
Sickle blade remover. R. E. Brewer. 1,864,405 ; June 21.
Sickle guard and bar. W. J. Hibig. 1,877,869 ; Sept. 20.
Sick-room or commode chair. A. K. Lindsey. 1,879,879 ; Sept. 27.
Side frame. A. O. Buckius. 1,872,882 ; Aug. 23.
Side frame. M. H. Hammett. 1,872,576–7 ; Aug. 16.
Side frame. C. B. Harbison. 1,888,224 ; Nov. 22.
Side frame. M. H. Martin. 1,859,403 ; May 24.
Side frame. M. H. Martin. 1,891,938 ; Dec. 27.
Side inclosures adapted for ventilating and handhole purposes, Automatic. C. E. Bishop. 1,877,867 ; Aug. 30.
Side tapping machine. C. Christiansen. 1,880,804 ; Oct. 4.
Sides and back panel formed with integral apron, Rear. A. E. Northrup. 1,854,714 ; Apr. 19.
Sieve attachments for sieves and shovels. M. L. Tinklepaugh and G. W. Howe. 1,867,636 ; July 19.
Sieve cleaner. F. Forseberg. 1,862,818 ; June 14.
Sieve, Grain. H. Rose. 1,882,450 ; Apr. 5.
Sieves for cellulose digesters and the like, Arrangement in. T. Samson. 1,889,731 ; Nov. 29.
Sifter, Ash. J. Nese. 1,859,373 ; May 24.
Sifter control. E. M. Garwood. 1,840,029 ; Jan. 5.
Sifter for furnaces, Ash. G. Anderson. 1,875,840 ; Sept. 6.
Sifter mechanism for conveyers. H. H. Barber. 1,846,668 ; Feb. 23.
Sifter trawl. L. O. Runkle. 1,867,281 ; July 12.
Sifting screen. Vibrating. F. Firth. 1,874,574 ; Dec. 20.
Sight, Anti-aircraft. W. T. Rickards. 1,887,363 ; Nov. 8.
Sight feed device. F. L. Badgett. 1,887,393 ; Nov. 8.
Sight flow glass. O. H. Wursiter. 1,840,644 ; Nov. 8.
Sight gauge. F. E. Hubley. 1,877,509 ; Sept. 13.
Sight, Gun. G. E. Coleman. 1,888,112 ; Nov. 15.
Sight, Motor vehicle steering. O. Rensonnet. 1,877,428 ; Sept. 13.
Sight testing apparatus, Oculist's. A. E. Covelle. 1,850,168 ; Mar. 22.
Sight trial frame. E. B. Meyrowitz. 1,842,458 ; Jan. 26.
Sighting device. E. M. Mueller. 1,879,412 ; Sept. 27.
Sighting device for ordnance. H. Westphälinger. 1,890,351 ; Dec. 6.
Sightometer. C. T. Eldredge. 1,868,597 ; July 26.
Sign. J. M. Alderfer. 1,858,258 ; May 17.
Sign. R. E. Barclay. 1,873,261 ; Aug. 23.
Sign. J. L. Berggren. 1,855,399 ; Apr. 12.
Sign. J. F. Bigelow. 1,856,349 ; May 3.
Sign. D. A. Brumbaugh. 1,846,943 ; Feb. 23.
Sign. D. A. Brumbaugh. 1,853,847 ; Apr. 12.
Sign. W. A. Burns. 1,856,462 ; May 3.
Sign. D. C. Churchill. Des. 86,996 ; May 24.
Sign. F. D. Courtenay. 1,880,828 ; Oct. 4.
Sign. A. M. Donaldson. 1,844,545 ; Feb. 9.
Sign. J. P. Fox. 1,845,967 ; Feb. 16.
Sign. F. Fugita. 1,887,594 ; Nov. 15.
Sign. D. Gilbert. 1,881,371 ; Oct. 4.
Sign. W. O. Higby. 1,842,474 ; Jan. 26.
Sign. F. E. Hornbeck. 1,858,258 ; May 17.
Sign. E. B. Hurford. 1,872,145 ; Aug. 16.
Sign. H. D. Jewell. 1,883,791 ; Oct. 18.
Sign. B. H. Kollman. Des. 86,558 ; Dec. 6.
Sign. H. D. Lockwood. 1,875,307 ; Aug. 30.
Sign. T. E. Louis. Des. 88,161 ; Nov. 1.
Sign. A. J. McMaster. 1,858,052 ; May 10.
Sign. W. Messerschmidt. Des. 86,259 ; Feb. 16.
Sign. H. C. Meyer. 1,843,294 ; Feb. 2.
Sign. T. I. Michelson. 1,874,202 ; Aug. 30.
Sign. H. Ohanian. 1,868,622 ; July 26.
Sign. H. H. Pinney. 1,850,180 ; Mar. 22.
Sign. H. H. Pinney. 1,851,323 ; Mar. 29.
Sign. E. L. Rader. Des. 87,024 ; May 24.
Sign. A. Roberts and J. Shelton. 1,865,963 ; July 5.
Sign. M. Standish. 1,884,335 ; Oct. 25.
Sign. J. Steinmetz. 1,881,520 ; Oct. 4.
Sign. L. (Max) Weesner. 1,864,702 ; June 28.
Sign. T. R. Willwerscheid. 1,846,173 ; Feb. 23.
Sign. T. R. Willwerscheid. 1,863,935 ; June 21.
Sign. A. A. Wood and E. Boss. Des. 87,736 ; Sept. 6.
Sign. A. A. Wood and E. Boss. 1,890,483 ; Dec. 13.
Sign. C. A. Wright. 1,854,145 ; Apr. 12.
Sign, Advertising. C. J. Bareis. 1,867,051 ; July 12.
Sign, Advertising. L. J. Disser, sr. 1,845,137 ; Feb. 16.
Sign, Advertising. C. T. Fairbanks. 1,866,554 ; July 12.
Sign, Advertising. H. T. Fenson and R. Green. 1,850,319 ; Mar. 22.

Sign, Advertising. S. G. Herzog. Des. 86,456 : Mar. 8.
Sign, Advertising. S. H. Pogue. 1,843,883 ; Feb. 2.
Sign, Advertising. E. Raves. 1,865,725 ; July 5.
Sign, Advertising. P. L. Ta'Bois. 1,858,975 ; May 17.
Sign, Airway. W. Edwards. 1,866,199 ; July 5.
Sign and sign character. J. Boyce. 1,859,911 ; May 24.
Sign apparatus. E. G. Rowley. 1,852,028 ; Apr. 5.
Sign arrangement. A. Harris. 1,841,906 ; Jan. 19.
Sign board. G. P. Kimball. Des. 88,095 ; Oct. 25.
Sign board. L. A. Weamer. 1,889,910 ; Dec. 6.
Sign board frame. P. L. Michael. 1,873,093 ; Aug. 30.
Signboard, Metallic. M. T. Ashe. 1,839,825 ; Jan. 5.
Signboard outfit. A. Thompson. 1,859,755 ; May 24.
Sign, Changeable. W. J. Corrigan. 1,847,069 ; Mar. 1.
Sign, Changeable. R. R. Isenhour. 1,843,818 ; Feb. 2.
Sign, Changeable. E. von der Lippe-Lipski. 1,869,066 ; July 26.
Sign, Changeable luminous display. F. Hotchner. 1,843,980 ; Feb. 9.
Sign changing device. R. V. Seaholm and F. H. Foss. 1,847,109 ; Mar. 1.
Sign character. J. T. Cochran. 1,885,991 ; Nov. 1.
Sign characters, Apparatus for applying. G. H. Babcock. 1,870,441 ; Sept. 6.
Sign characters, Applying. G. H. Babcock. 1,870,221 ; Aug. 9.
Sign, Combination. A. C. Simkins. 1,879,554 ; Sept. 27.
Sign, Composite character. L. L. Rustad. Des. 86,808 ; Apr. 15.
Sign, Combined street and traffic. E. E. Smith. 1,885,776 ; Nov. 1.
Sign construction. R. C. Hyde and C. Van Wyck. 1,862,987 ; Mar. 1.
Sign construction, Illuminated. G. D. Fitzhugh. 1,852,111 ; Apr. 5.
Sign construction, Illuminated. J. W. Harris. 1,873,584 ; Aug. 23.
Sign device. E. G. Rowley. 1,867,595 ; July 19.
Sign, Direction road. J. B. Strange. 1,838,762 ; May 31.
Sign, Display. R. A. Baker. 1,871,648 ; Aug. 16.
Sign, Display. H. Bastow. 1,843,148 ; Feb. 2.
Sign, Display. H. J. Bowers. 1,865,750 ; Apr. 26.
Sign, Display. W. F. Ryerson, jr. 1,843,841 ; Feb. 2.
Sign, Display. M. W. Send. 1,853,703 ; Apr. 12.
Sign, Display. G. B. Tilman. 1,853,523 ; Apr. 12.
Sign, Electric. J. A. Hanway. 1,843,556 ; Feb. 2.
Sign, Electric. L. A. Koch. 1,854,654–5 ; Apr. 19.
Sign, Electric. L. A. Koch, jr. 1,857,916 ; May 10.
Sign, Electric. W. Lawrence. 1,855,297 ; Apr. 26.
Sign, Electric. A. Leichter. 1,867,516 ; July 12.
Sign, Electric. H. Miller. 1,850,285 ; Mar. 22.
Sign, Electric. E. J. Wilde. 1,884,401 ; Oct. 25.
Sign, Electric flash. W. T. Gooley. 1,847,647 ; Mar. 1.
Sign, Electrical discharge Illuminated. W. A. McCombs and H. C. Pearson. 1,879,374 ; Sept. 27.
Sign exhibiting machine, Automatic changeable. G. F. Gibson. 1,873,756 ; Aug. 23.
Sign, Flat tubeless ionization conductor. F. Hotchner. 1,865,253 ; June 28.
Sign for a vehicle top, Advertising. F. J. O'Connor. 1,885,282 ; Nov. 1.
Sign for fences, Advertising. C. E. Baum. 1,845,032 ; Feb. 16.
Sign for road surfaces, Traffic. A. P. White. 1,886,324 ; Nov. 1.
Sign frame. H. K. Palmer. 1,840,915 ; Jan. 12.
Sign frame, Adjustable electric. J. P. Dunne. 1,865,892 ; July 5.
Sign frame, Portable. H. T. Hallowell and F. Bennett. 1,858,152 ; May 10.
Sign front. C. Shipman. 1,851,216 ; Mar. 29.
Sign front, Changeable. F. Shipman. 1,857,882 ; May 10.
Sign globe. S. Richmond. 1,843,630 ; Feb. 2.
Sign, Highway. P. and A. Greiff. 1,873,628 ; Aug. 23.
Sign, Highway. T. R. Willwerscheid. 1,861,072 ; May 31.
Sign, Illuminated. H. C. C. Engberg. 1,839,786 ; Jan. 5.
Sign, Illuminated. A. D. Evans. 1,873,147 ; Sept. 27.
Sign, Illuminated. H. M. Ferree. 1,844,352 ; Feb. 9.
Sign, Illuminated. C. F. Holman. 1,861,926 ; June 7.
Sign, Illuminated. L. Levitt. 1,869,699 ; Aug. 2.
Sign, Illuminated. E. H. Ramsey. 1,840,740 ; Jan. 12.
Sign, Illuminated. D. Spatola. Des. 86,487 ; Mar. 8.
Sign, Illuminated. T. A. J. Sweegers. 1,849,736 ; Mar. 15.
Sign, Illuminated. C. van Wyck and R. C. Hyde. 1,858,755 ; May 17.
Sign illumination. E. S. Schenkel. 1,887,523 ; Nov. 15.
Sign in the air, Displaying a. E. Udet. 1,857,292 ; May 10.
Sign, Interchangeable character. J. W. Price. 1,854,381 ; Apr. 19.
Sign, Interchangeable element electric illuminated. R. C. Luhman. 1,844,097 ; Feb. 9.
Sign, Interchangeable letter. W. H. Trostel. 1,862,375 ; June 7.
Sign letter, Luminous tube. W. P. Drury. 1,872,428 ; Aug. 16.
Signal light, Automobile and motor cycle. F. C. Hazel. 1,860,416 ; May 31.
Signal light casing. J. Monaco. Des. 87,590 ; Aug. 16.
Signal light, Telephone. H. D. Jewell. 1,864,910 ; June 28.
Signal light, Traffic. J. Keller. 1,881,407 ; Oct. 4.
Sign, Luminescent. M. G. Morris. 1,878,230 ; Sept. 20.
Sign, Luminous. G. Angeli. 1,887,973 ; Nov. 15.
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Sign, Luminous. E. Neuhut and F. Petrowitz. 1,847,534 ; Mar. 1.
Sign, Luminous. P. Tarallo. 1,845,530 ; Feb. 16.
Sign, Luminous. W. R. Walling. 1,840,419 ; Jan. 12.
Sign, Luminous. R. S. Wold. 1,887,534 ; Nov. 15.
Signal means, Automatic. D. B. Doane. 1,851,498 ; Mar. 29.
Sign, Metal. W. H. Brett. 1,849,361 ; Mar. 15.
Signal monitoring device. R. E. Pierce. 1,871,916 ; Aug. 16.
Sign, Moving. H. M. Austin. 1,865,498 ; July 5.
Sign, Nameplate or the like. E. Enscott. 1,876,405 ; Sept. 6.
Sign, Neon flash. W. E. Joost. 1,890,732 ; Dec. 13.
Signal operating mechanism. N. Avakian. 1,876,829 ; Sept. 13.
Signal operating switch. A. J. Gerhart. 1,868,527 ; July 26.
Signal or clip. C. S. Carter and J. H. Duncan. 1,869,997 ; Aug. 2.
Sign or ornamental device, Illuminated. H. L. Cole. 1,839,534 ; Jan. 5.
Sign plate for an automotive signal. R. W. Leibert. Des. 87,584 ; Aug. 16.
Signal post. R. B. Michener. 1,866,982 ; July 12.
Sign, Price. R. L. Schwartz and W. P. Martin. 1,877,326 ; Sept. 13.
Signal recording. F. Schröter. 1,882,043 ; Oct. 11.
Signal reproducer. H. E. Metcalf. 1,881,324 ; Oct. 4.
Sign, Rotatable advertising. F. W. Walkner. 1,852,383 ; Apr. 5.
Sign, Sectional adjustable display. S. A. Oftedal. 1,857,789 ; May 10.
Sign, Sidewalk. W. Edwards. 1,845,590 ; Feb. 16.
Sign, Stop. Le R. N. Conser. 1,867,811 ; July 19.
Sign, Street. H. C. Gatchell. 1,869,474 ; Aug. 2.
Sign, Street. J. Horni. 1,851,046 ; Mar. 29.
Sign, Street. A. Sprung. 1,863,357 ; June 14.
Sign, Street. A. Sprung. 1,888,246 ; Nov. 22.
Sign structure. H. R. Ansel. 1,880,919 ; May 31.
Sign, system, and method, Luminous revolving. N. I. Prosser. 1,853,284 ; Apr. 12.
Sign, Traffic. R. W. Baily. 1,859,578 ; May 24.
Sign, Traveling advertising. M. J. Cohan. 1,869,465 ; Aug. 2.
Sign, Variable illuminated. D. L. Ishbia. 1,854,514 ; Apr. 19.
Signs. W. Morrison. 1,854,418 ; Apr. 19.
Signs and the like, Advertising. J. E. Bielski. 1,878,368 ; Sept. 20.
Signs, Pattern sheet controlled switch for illuminable. A. A. and J. C. Jimenez. 1,844,979 ; Feb. 9.
Signs, Successively exhibiting groups of. F. Frye. 1,839,545 ; Jan. 5.
Signal : See—

Aeroplane float signal.	Sound signal.
Aeroplane signal.	Stop signal.
Automatic signal.	Submarine distress signal.
Automobile signal.	Theft preventing signal.
Crossing signal.	Tire deflation signal.
Direction signal.	Traffic signal.
Directional signal.	Train order signal.
Hand signal.	Train signal.
Headlight signal.	Turn and stop signal.
Light signal.	Vehicle signal.
Low pressure signal.	Warning signal.
Safety signal.	Wireless signal.

Signal. E. M. Dems, jr. 1,842,151 ; Jan. 19.
Signal. B. Eliggi and L. Lorenzi. 1,878,122 ; Sept. 20.
Signal. M. Holmdahl. 1,850,990 ; Mar. 29.
Signal. M. F. Murphy. 1,864,752 ; June 28.
Signal. J. Nachumsohn. 1,859,676 ; May 24.
Signal. W. F. Potter. 1,855,689 ; Apr. 26.
Signal. R. J. Ruths. 1,886,980 ; Nov. 8.
Signal. S. E. B. Soderberg. 1,892,016 ; Dec. 27.
Signal. L. H. Thoen. 1,842,700 ; Jan. 26.
Signal. J. Trummer. 1,859,943 ; May 24.
Signal. F. M. Varney. 1,860,559 ; May 31.
Signal. O. L. Vincent. 1,886,435 ; Nov. 8.
Signal and brake system. T. H. Thomas. 1,879,644 ; Sept. 27.
Signal and guard, Railway crossing. H. A. Parson. 1,885,759 ; Nov. 1.
Signal and switch therefor, Electric. A. Horochowsky. 1,879,232 ; Sept. 27.
Signal apparatus, Code. R. F. Fisher. 1,855,910 ; Apr. 26.
Signal apparatus for automobiles. C. C. Holmes. 1,861,474 ; June 7.
Signal arm. V. Ciurana and F. Ciurana. 1,875,418 ; Sept. 6.
Signal connection. A. I. Woodring. 1,842,813 ; Jan. 26.
Signal control, Auto. S. S. Nanna. 1,842,044 ; Jan. 19.
Signal control, Railway and traffic. L. R. Wagner. 1,842,222 ; Jan. 19.
Signal controller, Traffic. C. I. Hall. 1,851,247 ; Mar. 29.
Signal deleter for tape transmitters. Rub out. R. Hoover and F. J. Haupt. 1,863,479 ; June 14.
Signal device. A. Damico. 1,880,849 ; Oct. 4.
Signal device. W. V. Darling, jr., and R. J. Dykstra. 1,875,424 ; Sept. 6.
Signal device. O. Krueger. 1,883,801 ; Oct. 18.
Signal device, Elevator car. D. W. Hughes and C. E. Ellis, jr. 1,873,765 ; Aug. 23.

Signal device for automobiles. J. M. Clark. 1,854,108; Apr. 12.
Signal device for automobiles. H. Kageyama. 1,859,515; May 24.
Signal device for automobiles. H. Kageyama. 1,882,324; Oct. 11.
Signal device, Indicating. J. Laucus and A. C. Grunow. 1,866,411; July 5.
Signal device, Mechanical. J. J. and R. V. De Voy. 1,847,474; Mar. 1.
Signal device, Vehicle. A. Rava. 1,839,499; Jan. 5.
Signal distortion indicator. R. J. Wise. 1,845,994; Feb. 16.
Signal for automobiles, Direction. R. S. Cunard. 1,847,970; Mar. 1.
Signal for automobiles, Direction. T. A. Kane. 1,860,034; May 24.
Signal for deflated tires, Warning. A. B. Solve. 1,883,040; Oct. 18.
Signal for motor vehicles. S. B. Alcoriza. 1,878,090; Sept. 20.
Signal for motor vehicles, Direction. R. H. Dodd and L. R. Burrow. 1,875,996; Sept. 6.
Signal for typewriters, Page. J. Davis. 1,841,588; Jan. 19.
Signal for vehicles. L. N. Hampton. 1,885,714; Nov. 1.
Signal for vehicles, Direction. J. S. Wignall. 1,890,961; Dec. 13.
Signal for vehicles, Directional. J. R. Johnson. 1,854,699; Apr. 19.
Signal generator, Standard. M. Ferris. 1,877,287; Sept. 13.
Signal holding device. G. E. Asplund. 1,872,218; Aug. 16.
Signal indicating system. L. A. Hyland. 1,867,264; July 12.
Signal lamp for automobiles. W. Brown. Des. 87,619; Aug. 23.
Signal lever raiser. B. Washington and W. Aull, Jr. 1,856,009; Apr. 26.
Signal operating mechanism. C. C. Raymond. 1,890,863; Dec. 13.
Signal switch. W. J. Porter. 1,877,963; Sept. 20.
Signal switch, J. C. White. 1,840,280; Jan. 5.
Signal switch, Automatic. W. E. Wulfhorst. 1,860,972; May 31.
Signal switch, Automobile. H. Blum and F. J. Farley. 1,857,935; May 10.
Signal switch, Automobile. R. Marsh. 1,872,153; Aug. 16.
Signal switch, Direction. J. A. Bergh and F. W. Turner. 1,840,078; Jan. 5.
Signal switch, Motor vehicle. R. P. McBride. 1,876,717; Sept. 13.
Signal switch, Vehicle. G. A. Hanna. 1,845,267; Feb. 16.
Signal system. G. J. Barry. 1,868,489; July 26.
Signal system. C. F. A. Eddy. 1,879,139; Sept. 27.
Signal system. E. Neerup. 1,860,049; May 24.
Signal system, Electric. S. G. Down. 1,842,510; Jan. 26.
Signal system, Electropneumatic. C. D. Stewart. 1,891,655; Dec. 20.
Signal system for elevators and other conveyers. H. J. Fenz. 1,844,246; Feb. 9.
Signal system for hospitals. W. H. Waite. 1,841,771; Jan. 19.
Signal system, Highway crossing. A. J. Vallee. 1,882,265; Oct. 11.
Signal system, Induction cab. D. H. Schweyer. 1,885,636; Nov. 1.
Signal system, Railway electric. E. J. Quinby. 1,859,466; May 24.
Signal system, Trolley railway. S. S. Stolp and F. H. Richardson. 1,868,180; July 19.
Signal transmission system. S. Doba, jr. 1,880,889; Oct. 4.
Signal transmission system. K. Lutomirski. 1,866,261; July 5.
Signal transmission system. J. Sedlmayer. 1,822,653; Oct. 11.
Signal transmitter. D. T. Shaw. 1,863,285; June 14.
Signal with electrical disengaging relays, Railway. J. A. Bergquist. 1,846,579; Feb. 23.
Signaling. E. F. W. Alexanderson. 1,839,455; Jan. 5.
Signaling. H. H. Beverage. 1,849,608; Mar. 15.
Signaling. O. Boehm. 1,844,941; Feb. 16.
Signaling. C. W. Hansell. 1,849,620; Mar. 15.
Signaling. L. H. Middleton. 1,888,684; Nov. 22.
Signaling and control, Electrical. A. V. T. Day. 1,885,009; Oct. 25.
Signaling and control, Multiplex electrical. A. V. T. Day. 1,885,010; Oct. 25.
Signaling and repeater therefor, System of. E. E. Kleinschmidt. 1,867,976; July 19.
Signaling and the like, Electrically operated apparatus for use in. L. H. Peter. 1,842,046; Jan. 19.
Signaling apparatus. H. D. Colman. 1,844,205; Feb. 9.
Signaling apparatus. H. O. Holte. 1,859,090; May 17.
Signaling apparatus. K. Kleinert. 1,883,953; Oct. 25.
Signaling apparatus. L. L. Nettleton. 1,875,883; Sept. 6.
Signaling apparatus. C. P. Stewart. 1,853,094; Apr. 12.
Signalling apparatus. L. L. Wagner. 1,891,126; Dec. 13.
Signaling apparatus and method. E. Frischknecht and J. Abegglen. 1,852,994; Apr. 5.
Signaling apparatus and method. L. L. Nettleton. 1,869,020; July 26.
Signaling apparatus for recording systems. C. O. Bickelhaupt. 1,845,034; Feb. 16.
Signaling apparatus, Railway. D. W. Richards. 1,883,947–8; Nov. 1.
Signaling arrangement for telephone lines. W. H. Edwards. 1,852,045; Apr. 5.
Signaling arrangement for telephone systems. M. L. Almquist. 1,862,587; June 14.
Signaling arrangement for telephone systems. H. M. Bascom and S. F. Nelson. 1,844,027; Feb. 9.
Signaling arrangement for two party telephone lines. W. H. Edwards. 1,860,459; May 31.
Signaling between two points on a railroad train, Apparatus for. R. M. Gilles. 1,885,909; Nov. 1.
Signaling box lock. J. Just. 1,888,859; Nov. 22.
Signaling by electric waves. L. J. Sivian. 1,847,142; Mar. 1.
Signaling by frequency modulation. O. Böhm. 1,874,869; Aug. 30.
Signaling by phase displacement. E. F. W. Alexanderson. 1,882,698; Oct. 18.
Signaling, High frequency. H. Chireix. 1,892,383; Dec. 27.
Signaling means for rotary oil well drilling apparatus. E. J. LeCompte and C. A. Harrisson. 1,891,330; Dec. 20.
Signaling device. C. T. Crocker. 1,849,824; Mar. 15.
Signaling device. B. Eligzt. 1,845,866; Feb. 16.
Signaling device. F. J. Farley. Des. 90,776; Sept. 20.
Signaling device. J. E. Huling. 1,869,748; Aug. 2.
Signaling device. M. E. Johnson. 1,868,576; July 26.
Signaling device. K. Kleinert. 1,883,954; Oct. 25.
Signaling device. C. J. Kryzanowsky. 1,883,971; Oct. 25.
Signaling device. L. Langmuir. 1,849,842; Mar. 15.
Signaling device. C. Miller. 1,863,532; June 14.
Signaling device. P. J. O. Miller. 1,860,427; May 31.
Signaling device. U. S. Rush. 1,852,540; Apr. 5.
Signaling device. F. Schmidt. 1,847,903; Mar. 1.
Signaling device. E. F. Sebesta. 1,872,097; Aug. 16.
Signaling device. E. E. Weseman and C. F. Wenzel. 1,854,088; Apr. 12.
Signaling device. H. E. Whipple and F. P. Meeker. 1,877,438; Sept. 13.
Signaling device and stop mechanism for ditching machines. R. D. Pavlik. 1,850,412; Mar. 22.
Signaling device, Automobile. T. L. Cordray. 1,865,506; July 5.
Signaling device, Automobile. N. H. and H. M. Nelson. 1,857,210; May 10.
Signaling device, Automobile. W. B. Owen. 1,864,464; June 21.
Signaling device, Electromagnetic. E. W. Gent. 1,852,773; Apr. 5.
Signaling device, Electromagnetic. D. D. Miller. 1,881,829; Oct. 11.
Signaling device for automobiles. L. R. Kubias. 1,841,826; Jan. 19.
Signaling device for automobiles. G. D. Sanford. Des. 87,646; Aug. 23.
Signaling device for automobiles, Direction. A. H. Danridge. 1,846,794; Feb. 23.
Signaling device for clutching or the like. J. O. Liflander. 1,866,166; July 5.
Signaling device for motor vehicles, Automatic. P. Delmas. 1,863,688; June 21.
Signaling device, Luminous. G. Soucek. 1,869,922; Aug. 2.
Signaling device operated by the oscillations of the rails, Automatic. N. Ammassiotti. 1,864,016; June 21.
Signaling device, Robot safety. G. W. MacKenzie. Des. 86,679; Apr. 5.
Signaling device, Vehicle direction and movement. R. G. Mcleod. 1,873,003; Aug. 23.
Signaling flasher, Railway. S. S. Stolp. 1,862,773; June 14.
Signaling in high speed telegraph systems, Method of and apparatus for. R. F. Dirkes. 1,851,956; Mar. 29.
Signaling, Interlocking. L. H. Peter and W. A. Pearce. 1,880,029; Sept. 27.
Signaling light, Vehicle direction. W. J. Cronan. Des. 86,907; May 10.
Signaling mechanism. C. B. Bartley. 1,871,650; Aug. 16.
Signaling mechanism. G. E. King. 1,884,735; Oct. 25.
Signaling method and means therefor. W. van B. Roberts. 1,858,810; May 17.
Signaling, Method of and apparatus for electrical. E. H. Loftin. 1,877,920; Sept. 20.
Signaling system. M. L. Almquist and A. C. Thompson. 1,885,214; Nov. 1.
Signaling system. R. S. Bailey, N. D. Newby, and D. L. Moody. 1,860,449; May 31.
Signaling system. W. R. G. Baker. 1,859,066; May 17.
Signaling system. A. P. Bock. 1,876,555; Sept. 13.
Signaling system. A. S. Brown. 1,868,691; July 26.
Signaling system. J. O. Carr and A. S. Benjamin. 1,884,562; Oct. 25.
Signaling system. R. C. Curtis and C. A. Boddie. 1,862,137; June 7.
Signaling system. C. L. Davis. 1,883,492; Oct. 25.
Signaling system. R. L. Davis. 1,849,792; Mar. 15.
Signaling system. W. L. Edison. 1,876,845; July 12.
Signaling system. J. L. Finch. 1,887,237; Nov. 8.

Signaling system. H. C. Forbes. 1,877,571; Sept. 13.
Signaling system. P. M. Gault. 1,875,587; Sept. 6.
Signaling system. M. Hanley. 1,879,933; Sept. 27.
Signaling system. E. E. Kleinschmidt. 1,842,722; Jan. 26.
Signaling system. C. E. Lomax. 1,846,218; Feb. 23.
Signaling system. C. E. Lomax. 1,871,457; Aug. 16.
Signaling system. R. C. Mathes. 1,882,866; Oct. 18.
Signaling system. P. B. Murphy. 1,862,578; June 14.
Signaling system. F. H. Nicholson and H. A. Thompson. 1,864,367; June 21.
Signaling system. H. E. Overacker. 1,868,614; July 26.
Signaling system. F. E. Terman. 1,858,349; May 17.
Signaling system. I. R. Weir and L. W. Richardson. 1,850,358; Mar. 22.
Signaling system. I. R. Weir and L. W. Richardson. 1,850,568; Oct. 4.
Signaling system. C. Wisspeintner and G. Chodziesner. 1,883,179; Oct. 18.
Signaling system and apparatus. W. Brander. 1,869,091; July 26.
Signaling system, Electric wave. G. C. de Coutouly. 1,854,457; Apr. 19.
Signaling system, Electrical. H. R. Hayden. 1,881,357; Oct. 4.
Signaling system, Electrical. J. Smith and G. D. Turton. 1,858,414; Nov. 22.
Signaling system for automotive vehicles. H. A. Douglas. 1,862,738–9; June 14.
Signaling system for elevators. A. G. Blair. 1,865,166; June 28.
Signaling system for elevators. F. E. Lewis. 1,848,366; Mar. 8.
Signaling system for party telephone lines. W. H. Edwards. 1,860,457; May 31.
Signaling system for railroads. F. Benedict. 1,852,395; Apr. 5.
Signaling system for railroads. O. H. Dicke. 1,877,562; Sept. 13.
Signaling system for toll telephone service timing, Supervisory. K. Onishi. 1,849,468; Mar. 15.
Signaling system, Hospital. B. L. Bobroff. 1,867,134; July 12.
Signaling system including adjustable wave filter. C. H. Pettrer. 1,851,091; Mar. 29.
Signaling system, Multiplex. W. Bruckell. 1,863,829; June 21.
Signaling system, Railway. F. Kruckenberg, and F. Heynert. 1,877,516; Sept. 13.
Signaling system, Railway. A. R. Whitehorn. 1,852,386; Apr. 5.
Signaling system, Selective. H. E. Hershey. 1,882,010; Oct. 11.
Signaling system, Selective. H. E. Hershey. 1,889,985; Nov. 29.
Signaling system, Synchronous. W. A. Knoop. 1,848,181; Mar. 8.
Signaling system, Synchronous. G. A. Locke. 1,846,883; Feb. 23.
Signaling system, Synchronous. G. A. Locke. 1,873,609; Aug. 23.
Signaling system, Telephone. W. H. Edwards. 1,845,017; Feb. 16.
Signaling system, Two-way. R. C. Mathes. 1,881,801; Oct. 11.
Signaling system, Wireless. J. Robinson. 1,854,066; Apr. 12.
Signals, Apparatus for recording electrically transmitted. L. L. Rustad and V. E. Extrom. 1,844,686; Feb. 9.
Signals, Apparatus for the control of highway crossing. C. W. Bell. 1,864,179; June 21.
Signals, Apparatus for the control of highway crossing. B. Lazich. 1,885,925; Nov. 1.
Signals, Apparatus for the control of railway. E. M. Allin. 1,842,631; Jan. 26.
Signals, Detection of frequency modulated. C. W. Hansell. 1,867,567; July 19.
Signals, Device for electrically lighting. R. Mercier. 1,860,328; May 24.
Signals, Device for the optical transmission of. W. Bäseler and F. Hofmann. 1,851,236; Mar. 29.
Signals, Reception of varying frequency. E. S. Purington. 1,876,746; Sept. 13.
Signature folding machine. C. T. Cundall. 1,890,971; Dec. 13.
Signature machine. J. Whitaker. 1,883,204; Oct. 18.
Signature stitching machine. E. W. Belluche. 1,879,040; Sept. 27.
Signatures into a signature-handling machine, Method of and mechanism for automatically feeding individual. R. Klemm. 1,888,271; Nov. 22.
Silencer. S. Bezdek. 1,854,974; Apr. 19.
Silencer. R. B. Bourne. 1,839,462; Jan. 5.
Silencer. R. B. Bourne. 1,845,903; Feb. 16.
Silencer, Bucket or can. J. R. Foley. 1,866,457; July 5.
Silencer for internal combustion engines, Exhaust. G. Nicolich. 1,885,062; Oct. 25.
Silencer for water-closet tanks. J. Freed. 1,887,295; Nov. 8.
Silica and the like. Method and apparatus for fusing. P. K. Devers. 1,862,358; June 7.
Silica article, Composite. E. Thomson. 1,843,792; Feb. 2.
Silica article, Composite. G. A. F. Winckler. 1,888,341; Nov. 22.
Silica articles with glazed surface, Manufacture of. G. Delpech. 1,857,080; May 3.
Silica catalyst and preparing the same, Porous. R. L. Jenkins and J. F. Norris. 1,884,709; Oct. 25.
Silica from metal bearing solutions, Removal of. R. H. Stevens, G. C. Norris, and W. N. Watson. 1,843,006; Jan. 26.
Silica from mixed solutions obtained during the treatment of silicates with acids, Removal of colloidal. G. A. Blanc. 1,851,033; Mar. 29.
Silica from solution in alkali brines, Precipitating. A. H. Avakian. 1,888,484; Nov. 22.
Silica from water, Removing. O. Liebknecht. 1,860,781; May 31.
Silica, Hydrated. S. S. Svendsen. 1,859,998; May 24.
Silica, Making colloidal. F. W. Porter and R. E. Needham. 1,872,183; Aug. 16.
Silica, Producing clear vitreous. B. F. Niedergesass. 1,869,153; July 26.
Silica sand, Purifying. O. C. Trautmann. 1,840,338; Jan. 12.
Silica wash and making the same. J. J. Winchester and A. A. Fragopulos. 1,856,526; May 3.
Silicating. O. B. Andrews. 1,841,775; Jan. 19.
Silicon carbide and calcium carbide, Production of. H. E. White. 1,859,856; May 24.
Silicon steel from silicon scrap, Making. V. B. Browne. 1,853,544; Apr. 12.
Silicon steel sheets, Treating. E. M. Freeland. 1,867,818; July 19.
Silk. W. F. Taylor. 1,843,635; Feb. 2.
Silk and method of delustering, Delustered. W. H. Lorimer. 1,839,979; Jan. 5.
Silk and method of delustering, Delustered artificial. W. H. Lorimer. 1,839,978; Jan. 5.
Silk, Artificial. H. Schubmann and F. Streuber. 1,884,289; Oct. 25.
Silk, artificial horsehair and like products, Manufacture of artificial. H. Dreyfus. 1,865,358; June 28.
Silk containing fabrics, Loading. R. Clavel. 1,847,816; Mar. 1.
Silk, Degumming. L. Wallerstein. 1,855,431; Apr. 26.
Silk, Degumming. L. Wallerstein. 1,877,097; Sept. 13.
Silk, Dyeing acetate. H. Berthold and P. Rabe. 1,855,278; Apr. 26.
Silk, etc., of mat appearance, Forming artificial. J. J. Stockly and E. Witte. 1,867,188; July 12.
Silk fiber sheet, Making. N. Kawaguchi. 1,862,019; June 7.
Silk filament and making same, Artificial. J. A. Singmaster. 1,875,894; Sept. 6.
Silk, hair, bands, and similar products of diminished lustre, Manufacture of artificial. J. J. Stöckly and E. Witte. 1,875,185; Aug. 30.
Silk improved in weight and appearance and obtaining the same. F. W. Weber. 1,859,188; May 17.
Silk improved in weight, durability, and appearance and obtaining the same. F. W. Weber. 1,858,474; May 17.
Silk in fast black shades, Dyeing cellulose acetate. A. J. Hall. 1,851,507; Mar. 29.
Silk, Loading and dull-lustring. R. Clavel. 1,845,037; Feb. 16.
Silk manufacture. W. H. Furness. 1,853,123; Apr. 12.
Silk, Manufacture of artificial. A. E. Gull. 1,885,256; Nov. 1.
Silk, Manufacture of artificial. W. F. Richter. 1,839,411; Jan. 5.
Silk of low luster and preparing the same, Hollow artificial. H. L. Barthelemy. 1,876,130; Sept. 6.
Silk or the like, Producing artificial. J. Brenzinger. 1,878,374; Sept. 20.
Silk, Preparing dull artificial. C. W. Zahn. 1,845,107; Feb. 16.
Silk, Producing dischargeable dyeings on acetate. G. Redelien, G. Matzdorf, and A. Schmidt. 1,850,155; Mar. 22.
Silk recorder. A. Cornet. 1,851,895; Mar. 29.
Silk, Spinning artificial. O. Faust. 1,883,659; Oct. 18.
Sill, Center. M. H. Martin. 1,881,797; Oct. 11.
Sill structure, End. M. H. Martin. 1,881,795; Oct. 11.
Sill, Window. I. A. Baum. 1,822,956; Jan. 26.
Silo. P. J. Hegnes. 1,885,013; Oct. 25.
Silo. C. B. Ross. 1,882,942; Oct. 18.
Silo filler. S. C. Heth. 1,868,281; July 19.
Silo filling device. L. F. Heintz and A. J. Zamorski. 1,846,065; Feb. 9.
Silo, Tile. W. Brassert and G. V. Gladville. 1,844,497; Feb. 9.
Silver alloy, Chemically resistant. P. Assmann. 1,863,612; June 21.
Silver alloy, Chemically resistant. P. Assmann. 1,863,645; June 21.
Silver alloy, Stainless. T. Tanabe. 1,888,188; Nov. 15.
Silver by electrolysis, Separation of. K. C. D. Hickman and W. J. Weyerts. 1,857,507; May 10.
Silver coating of galvanically silvered spoons and forks, Method and mold for the local strengthening of the. H. Krüger. 1,889,147; Nov. 29.
Silver from fixing solutions, Method and apparatus for recovering. F. E. Garbutt and T. M. Ingman. 1,866,701; July 12.
Silver salt of thiocellobiose and preparing the same. F. Wrede. 1,843,058; Jan. 26.

Silver surface, Production of resistant. P. Assmann. 1,850,997; Mar. 29.
Silverware, Apparatus for manufacture of hollow. C. R. Moon. 1,879,908; Sept. 27.
Singeing. W. W. Kemp. 1,862,959–60; June 14.
Single acting engine. E. J. Stanton. 1,856,359; May 3.
Single sleeve engine. H. J. Edwards. 1,868,056; July 19.
Singletree. A. Horne. 1,859,142; May 17.
Sink. T. E. Mueller. Des. 87,850; Sept. 27.
Sink and tub, Combination. J. W. Russel. 1,842,289; Jan. 19.
Sink fixture. A. C. Brown. 1,857,136; May 10.
Sink positioning mechanism. E. N. Cavert. 1,864,184; June 21.
Sinker. A. E. Best. 1,848,600; Mar. 8.
Sinker. J. S. Cleckler. 1,853,574; Oct. 18.
Sinker. L. A. Dockman. 1,869,305; July 26.
Sinker, Fishing line. G. K. Cheney. Des. 87,711; Sept. 6.
Sinter returns, Producing fine. E. W. Shallock. 1,856,270; May 3.
Sintering apparatus. H. Wittenberg. 1,891,298; Dec. 20.
Sintering machine. H. J. Stehli. 1,862,832; June 14.
Sintering machine. G. E. Swinebart. 1,856,273; May 3.
Sintering machine pallet. H. J. Stehli. 1,888,296; Nov. 22.
Sintering machine pallet and grate bar. H. K. Najarian. 1,889,052; Nov. 29.
Sintering mechanism. H. Neuhauss. 1,876,733; Sept. 13.
Sintering, Method of constituting a change for. J. E. Greenawalt. 1,888,458; Nov. 22.
Sintering of metalliferous materials. G. F. Weaton and H. K. Najarian. 1,889,055; Nov. 29.
Siphon. R. D. Edwards. 1,885,695; Nov. 1.
Siphon and agitator, Nondrip. F. B. Cooney. 1,876,860; Sept. 13.
Siphon-break for flush valves, etc. H. Wesson. 1,862,731; June 14.
Siphon device. E. O. Sather. 1,856,083; May 3.
Siphon, Thermic. B. E. Larson. 1,852,122; Apr. 5.
Siphon tube for sprayers, Multiple. F. C. Nelson. 1,851,588; Mar. 29.
Siren whistle, Combination. F. Wilcox. 1,867,903; July 19.
Sirup and product thereof, Making chocolate. M. Waller-stein. 1,854,353; Apr. 19.
Sirup, Making chocolate. M. Wallerstein. 1,854,354–5; Apr. 19.
6-bromo-2- hydroxy-naphthalene and its substitution products, Manufacture of. J. Wollemann. 1,890,711; Dec. 13.
6'-chloro-6-methyl-1. 2. 3. 4-tetrahydronaphthalene, Manufacture of. G. Reddelien and H. Lange. 1,853,083; Apr. 12.
6-chlor-o-toluidine, Manufacture of. H. A. Lubs and A. L. Fox. 1,884,776; Oct. 25.
Sizer. H. B. Roberts and W. G. Huntington. 1,882,038; Oct. 11.
Sizing apparatus. A. W. Phelps. 1,878,315; Sept. 20.
Sizing device. W. L. Hutchinson. 1,861,293; May 31.
Sizing fibrous material. F. J. Curtis. 1,885,185; Nov. 1.
Sizing fibrous materials. B. Wieger. 1,882,680; Oct. 18.
Sizing machine. P. H. Hanson. 1,882,054; Oct. 11.
Sizing material. T. R. Shelton. 1,867,234; July 12.
Sizing mechanism and method, Edible entity. E. A. White and I. W. Knight. 1,884,999; Oct. 25.
Sizing of dyed yarn. H. Platt. 1,870,868; Aug. 9.
Sizing ring. F. B. Grimm. 1,861,527; June 7.
Skate. W. J. Davies and H. C. S. Schnack. 1,886,650; Nov. 8.
Skate. J. H. Goetzel and P. C. Smith. 1,874,965; Aug. 30.
Skate. A. I. Padgett. 1,869,611; Aug. 2.
Skate, Ice. F. MacMillan. 1,858,003; May 17.
Skate or the like, Wheel. E. Gregory. 1,854,188; Apr. 19.
Skate, Roller. J. S. Coldwell. 1,857,360; May 10.
Skate, Roller. M. Jacoby. 1,846,265; Feb. 23.
Skate, Roller. F. R. Smith. 1,866,134; July 5.
Skate, Roller. J. C. Turner. 1,868,548; July 26.
Skate and Folding. S. A. Sobrinske. 1,850,173; May 17.
Skate, Shoe. V. Bachand. 1,844,025; Feb. 9.
Skate walker, Ice. F. G. Cole. 1,880,340; Oct. 4.
Skating rink. W. Kemniger. 1,882,958; Oct. 25.
Skein and tying the same. M. Wadewitz. 1,874,668; Aug. 30.
Skeins of yarn, Apparatus for twisting. C. H. Goldsmith. 1,881,493; Oct. 11.
Skeleton reenforcement. M. Lachman. 1,868,108; July 19.
Skelp forming machine. J. W. Free. 1,888,380; Nov. 22.
Skewer. J. E. Hoover. 1,890,907; Dec. 13.
Ski. E. M. Eriksen. 1,888,435; Nov. 22.
Ski. E. Silvestri. 1,875,512; Sept. 6.
Ski. G. S. Stevens. 1,858,120; May 10.
Ski, Aeroplane landing. R. I. Markey. 1,892,064; Dec. 27.
Ski fastening device. A. J. Gresvig. 1,868,386; July 19.
Skid. E. H. Lupton. 1,842,617; Jan. 26.
Skid. F. Mossberg and A. Jensen. 1,875,104; Aug. 30.
Skid. C. P. Walp. 1,876,807; Sept. 13.
Skid assembly. I. H. Judd. 1,842,985; Jan. 26.
Skid for motor vehicles. D. E. Hoffman. 1,868,942; July 26.
Skid preventing device. R. Irvin. 1,856,915; May 3.
Skiff, Sea. H. L. Seaman. 1,848,502; Mar. 8.
Skimmer. J. W. Forsythe. 1,853,518; Apr. 12.
Skimmer, Boiler. P. R. Alphonso. 1,875,544; Sept. 6.
Skimmer scoop. E. R. Standfuss. 1,883,052; Oct. 18.
Skin folder. F. H. Dunn. 1,847,333; Mar. 1.
Skins and pelts, Treatment of animal. W. Sailer. 1,844,019; Feb. 9.
Skips with natural hair, Preparation of artificial. D. Haviland. 1,843,322; Feb. 2.
Skip loading apparatus. H. E. Baker. 1,853,190; Apr. 12.
Skiving machine. G. R. Allen. 1,887,613; Nov. 15.
Skiving machine. M. H. Ballard. 1,866,918; July 12.
Skiving machine. F. M. Courser. 1,856,455; May 3.
Skiving machine. F. Meihsner. 1,884,141; June 21.
Skiving machine. T. H. Seely. 1,855,424; Apr. 26.
Skiving machine. R. B. Woodcock and T. A. Kestell. 1,840,344; Jan. 12.
Skylight. A. A. Kellogg. 1,840,041; Jan. 5.
Skylight construction. A. F. Abronski. 1,872,868; Aug. 23.
Skylight construction. L. Abt. 1,870,549; Aug. 9.
Skylight joint. C. C. Rupertus. 1,875,789; Aug. 23.
Skylight lifter. M. B. Adams. 1,890,767; Dec. 13.
Sky writing apparatus. J. Popoff. 1,882,521; Oct. 11.
Slab and building construction, C. F. Davis. 1,867,615; July 19.
Slab ceiling construction and means for hanging the slabs. C. F. Davis and R. R. Sanders. 1,863,565; June 21.
Slab construction. B. E. Richardson. 1,875,888; Sept. 6.
Slab forming and bundling apparatus. T. H. Eickhoff. 1,841,017; Jan. 12.
Slab forming and stacking mechanism. T. H. Eickhoff. 1,841,018; Jan. 12.
Slab of earthy material, Producing a continuous. S. Q. Lee. 1,882,082; Oct. 11.
Slab of mineral substances, Coloring. H. C. Fisher. 1,879,155; Sept. 27.
Slab unit, Multiple. N. L. Aberson. 1,888,417; Nov. 22.
Slabs, Making. L. C. Piazza. 1,877,047; Sept. 13.
Slabs, Process and apparatus for molding. C. L. Kennicott and H. Libberton. 1,843,354; Mar. 8.
Slack adjuster. J. K. Blakeslee. 1,844,115; Feb. 9.
Slack adjuster. F. B. Camp. 1,879,075; Sept. 27.
Slack adjuster. C. C. Farmer. 1,879,062; Sept. 27.
Slack adjuster. O. R. Mitchell. 1,844,134; Feb. 9.
Slack adjuster, Automatic. H. E. Anderson. 1,841,513–14; Jan. 19.
Slack adjuster, Automatic. H. E. Anderson. 1,845,071; Feb. 16.
Slack adjuster, Automatic. P. B. Camp. 1,861,433; June 7.
Slack adjuster, Automatic. P. B. Camp. 1,862,136; Aug. 30.
Slack adjuster, Automatic. G. L. Smith. 1,874,131; Aug. 30.
Slack adjuster for railway brakes. J. J. Tatum. 1,888,942; Nov. 22.
Slack adjuster for railway car brakes. A. M. Capper. 1,878,885; Aug. 23.
Slack adjusters, Actuation means for automatic. B. H. Browall. 1,848,991; Mar. 8.
Slack adjusting operating mechanism. R. A. Goepfrich and C. H. Taylor. 1,864,902; June 28.
Slack box. W. J. Ray. 1,840,173; Jan. 5.
Slack burner. E. A. Probst. 1,864,932; June 28.
Slack cable switch. F. B. Peebles. 1,848,972; Mar. 8.
Slackline excavator. J. H. Street. 1,892,086; Dec. 27.
Slag tapping and disposal apparatus. T. G. Goghlan. 1,868,694; July 26.
Slat adjusting device for louver or Venetian blinds. C. D. Agee. 1,845,574; Feb. 16.
Slat, Foldable head. G. P. Craven. 1,888,160; Nov. 15.
Slats, staves, or other sectional devices, Securing together. H. M. Bishop. 1,890,597; Dec. 13.
Sled. T. J. Jorgensen and O. K. Jorgensen. 1,869,960; Aug. 2.
Sled. W. E. Kidder. 1,881,664; Oct. 11.
Sled. B. A. Rexford. 1,882,907; Oct. 18.
Sled. W. C. Warren. 1,889,578; Nov. 29.
Sled and toboggan, Combination. C. E. Greene. 1,888,857; Nov. 22.
Sled, Baby carriage. P. Francke. 1,873,836; Aug. 23.
Sled into a wheeled vehicle, Converting a. O. C. Larson. 1,866,115; July 5.
Sled, Motor. R. J. Weisser. 1,885,787; Nov. 1.
Sled, Water. T. E. Blake. 1,872,230; Aug. 16.
Sleeve actuator. A. Swiren. 1,844,101; Feb. 9.
Sleeve, Extensible. H. Stein. 1,855,590; Apr. 26.
Sleeve lock sling hook. A. A. E. Pennefather. 1,886,726; Nov. 8.
Sleeve press. C. O. Reeps. 1,890,264; Dec. 6.
Sleeve puller. H. W. Kulp and M. C. Dellinger. 1,879,335; Sept. 27.
Sleeve set. S. E. Tragler. 1,855,499; Apr. 26.
Sleeve-valve engine. J. Haltenberger. 1,839,550; Jan. 5.
Sleeve valve engine. J. Haltenberger. 1,843,672; Feb. 2.
Sleeve valve engine. J. Haltenberger. 1,855,290; Apr. 26.
Sleeve valve engine. J. Haltenberger. 1,861,440–1; June 7.
Sleeve valve engine. J. Haltenberger. 1,885,911; Nov. 1.
Sleeve valve engine. C. E. King. 1,853,433; Apr. 12.
Sleeves, collars, or the like on cylindrical shafts, Device for securing. C. H. Smith. 1,871,092; Aug. 9.
Sleeves into cylinder blocks, Apparatus for pressing replacement. G. G. Etheridge. 1,861,304; May 31.

Sleeves, Making rubber. M. B. Salisbury, 1,885,951; Nov. 1.
Sleeves to the ends of tubular members, Apparatus for assembling and securing strengthening. B. N. Wallis. 1,891,127; Dec. 13.
Sleigh, Automobile. J. W. Roberts. 1,850,691; Mar. 22.
Sleigh, Motor driven. H. E. Emigh. 1,864,041; June 21.
Slice bar. F. T. Spikerman. 1,861,195; May 31.
Slicer deflector. J. C. van Berkel. 1,878,071; Sept. 20.
Slicer. H. W. Watson. 1,890,103; Dec. 6.
Slicer, Cheese. O. Jassoy. 1,881,623; Oct. 11.
Slicer, Vegetable. F. Balensiefer. 1,849,782; Mar. 15.
Slicer, Vegetable. P. Iverson. 1,850,109; Mar. 22.
Slicer, Vegetable. H. W. Moore. 1,891,997; Dec. 27.
Slicer, Vegetable and fruit. R. A. Morrison. 1,853,140; Apr. 12.
Slicing and chopping machine. A. C. Sensow. 1,877,993; Sept. 20.
Slicing and cutting machine. F. J. Englen. 1,847,000; Feb. 23.
Slicing device. A. Moser. 1,846,136; Feb. 23.
Slicing machine. H. J. Ballem. 1,882,732; Oct. 18.
Slicing machine. W. J. Campbell. 1,860,382; May 31.
Slicing machine. W. J. Campbell. 1,863,326; June 14.
Slicing machine. W. J. Campbell., 1,865,411; June 28.
Slicing machine. W. J. Campbell. 1,889,538–42; Nov. 29.
Slicing machine. W. J. Campbell. 1,891,368; Dec. 20.
Slicing machine. M. C. Hjelte. 1,881,189; Oct. 4.
Slicing machine. J. C. Neil. 1,874,315; Aug. 23.
Slicing machine. E. J. Schneider. 1,858,791; May 17.
Slicing machine. E. M. Stiles. 1,878,020; Sept. 20.
Slicing machine. H. J. Thels. 1,883,103; Oct. 18.
Slicing machine. C. F. van Berkel. 1,878,070; Sept. 20.
Slicing machine. J. Van Hoorn. 1,856,856; May 3.
Slicing machine. W. B. Wolff. 1,856,939; May 3.
Slicing machine. W. B. Wolff. 1,863,317; June 14.
Slicing machine, Bread. H. J. and H. E. Criner. 1,855,706; Apr. 26.
Slicing machine, Motor-driven. J. van Hoorn. 1,846,925; Feb. 23.
Slicing machine, Motor driven. J. van Hoorn. 1,878,033; Sept. 20.
Slicing machines, Article supporting device for. P. J. Lucey. 1,844,467; Feb. 9.
Slicing machines, Feed mechanism for. J. Folk. 1,856,326; May 3.
Slicing machines, Feed mechanism for. A. C. Sensow. 1,858,376; May 17.
Slicing machines, Feed mechanism for. C. F. M. van Berkel. 1,849,340; Mar. 15.
Slicing machines, Feed mechanism for. J. C. van Berkel. 1,841,996; Jan. 19.
Slicing machines, Feeding appliance for bread. O. F. Rohweder. 1,860,604; Mar. 22.
Slicing machines, Feeding mechanism for. P. J. Lucey. 1,840,845; Jan. 12.
Slicing machines, Feeding mechanism for. H. Stukart. 1,856,855; May 3.
Slicing machines, Guard plate and guard plate support for. W. J. Campbell. 1,863,328; June 14.
Slicing machines, Pusher plate for. W. J. Campbell. 1,863,327; June 14.
Slicing machines, Slicer stackers for, C. F. M. van Berkel. 1,878,069; Sept. 20.
Slicing machines, Work support for. A. Van Duyn. 1,856,894; May 3.
Slide. C. E. Anderson. 1,866,694; July 12.
Slide. C. E. Anderson. 1,876,383; Sept. 6.
Slide, Mimetal. R. J. Lamar. 1,888,350; Nov. 22.
Slide and lock for window screens, Combination. I. Abrams and I. Sager. 1,853,531; Apr. 12.
Slide for extension tables. I. Cooper. 1,886,648; Nov. 8.
Slide mechanism for precision grinding machines. C. F. Van Norman. 1,881,984; Oct. 11.
Slide rule indicator. A. Langsner. 1,855,523; Apr. 26.
Slider. R. O. Legat. 1,889,335; Nov. 29.
Slideway for machine tools and producing same. H. W. Heidergott. 1,849,455; Mar. 15.
Sliding door lock. G. W. North. 1,873,462; Aug. 23.
Sliding support for visible index trays. R. A. Furlong. 1,891,379; Dec. 20.
Sling lock. R. Thirlwell. 1,882,167; Oct. 11.
Slinger for drying units. W. R. Jarrie. 1,886,618; Nov. 8.
Slip. H. R. Standlee. 1,864,953; June 28.
Slip. A. G. Weatherly. 1,863,290; June 14.
Slip coupling. A. T. Wakefield. 1,877,093; Sept. 13.
Slip for rotary drilling machines. E. E. Greve. 1,856,479; May 3.
Slip handler, Automatic. A. L. Segelhorst. 1,868,119; July 19.
Slip holding device. R. S. Young. 1,883,270; Oct. 18.
Slip-joint fill box. J. B. Holtson. 1,870,118; Aug. 2.
Slip mechanism. N. W. Wickersham. 1,892,442; Dec. 27.
Slip operating device. J. E. Hoffoss. 1,851,009; Mar. 29.
Slip, Pipe holding. H. R. Decker. 1,858,324; May 17.
Slip regulation of asynchronous machines. E. Reimann. 1,858,058; May 10.
Slip rotation apparatus. G. M. Nell. 1,871,728; Aug. 16.
Slip with removable liner. F. J. Young. 1,878,433; Sept. 20.
Slipper and making the same, Ballet. L. Harris. 1,844,885; Feb. 9.
Slipper and manufacture of same, Ballet. S. Capezio. 1,872,641; Aug. 16.
Slipper and method of making. M. L. Dodge and H. L. J. Duchemin, 1,861,844; June 7.
Slipper, Ballet. J. J. Domahoski. 1,889,275; Nov. 29.
Slipper, Dancing. B. Brodick. 1,854,442; Apr. 19.
Slipper or toe shoe and making the same, Ballet. S. Capezio. 1,891,022; Dec. 13.
Slipper, Paper. W. M. Scholl. 1,882,983; Oct. 18.
Slitter. J. F. Peters. 1,866,941; July 12.
Slitter, Tabloid sheet. O. C. Roesen. 1,849,958; Mar. 15.
Slitting and collecting mechanism. C. R. Kaddeland. 1,850,720; Mar. 22.
Slitting means. J. A. Cameron. 1,863,619; June 21.
Slitting means. J. A. Cameron. 1,867,059; July 12.
Sliver discharged from a sliver balling machine, Apparatus for receiving balls or rolls of. G., N. and J. Fraser. 1,891,896; Dec. 20.
Sliver into cans, Device for packing. W. Thierfelder. 1,858,945; May 17.
Slogan apparatus or advertising device. M. C. Anderson. 1,844,737; Feb. 9.
Sloper mechanism. W. C. Colley. 1,887,117; Nov. 8.
Slot-closing means. M. L. Fry. 1,839,843; Jan. 5.
Slot closure. O. A. Colby. 1,858,433–4; May 17.
Slotcloure, J. C. Woodson. 1,870,080; Aug. 2.
Slot machine and attachment therefor. E. A. Nahm. 1,858,863; Feb. 9.
Slot release mechanism. S. Marjason. 1,843,827; Feb. 2.
Slotting and scoring mechanism. S. M. Langston and W. H. Cleaver. 1,859,877; May 24.
Slotting machine. F. E. Aurand. 1,848,817; Mar. 8.
Slotting machine. H. E. Frentzel. 1,872,270; Aug. 16.
Slotting machine. J. Thompson. 1,872,564; Aug. 16.
Slow motion reaction sprinkler. W. Van E. Thompson. 1,876,099; Sept. 6.
Slub-catcher and yarn-cleaner. G. N. Taylor. 1,870,152; Aug. 2.
Sludge acid in petroleum refining, Reclaiming. O. Mantius. 1,844,513; Feb. 9.
Sludge bed cleaning apparatus. M. B. Tark and R. L. Cleveland. 1,860,300; May 24.
Sludge drier. J. B. Berrigan and J. Harrington. 1,851,149; Mar. 29.
Sludge, Settling and filtering means for. J. B. Berrigan and J. Berrigan, Jr. 1,840,930; Jan. 12.
Sludge, sewage and the like, Method of and apparatus for the treatment of. K. Imhoff. 1,887,490; Nov. 15.
Sludges and the like, Processing of. C. S. Bryan. 1,850,527; May 24.
Slug casting machine. A. J. Stouges. 1,880,160; Sept. 27.
Slug ejector. C. W. Klostermann. 1,850,464; Mar. 22.
Slug ejector. A. S. Ross. 1,852,725; Apr. 5.
Slug for cleaning condenser tubes. W. F. Oberhuber. 1,855,946; Apr. 26.
Slug for cleaning condenser tubes. W. F. Oberhuber. 1,886,419; Nov. 8.
Slug for condenser tubes. W. F. Oberhuber. 1,842,563; Jan. 26.
Slug profiling machine. C. L. Mohr. 1,856,108; May 3.
Sluice gate. E. B. Phillips. 1,862,389; June 7.
Sluice gate. E. B. Phillips. 1,868,317; July 12.
Sluice gate, Emergency. J. H. T. Borland. 1,887,674; Nov. 15.
Sluice or lock. L. Rothmund. 1,886,591; Nov. 8.
Slurry filtration. E. J. Maust. 1,870,372; Aug. 9.
Smelting of sulphidiferous materials, Electrothermic. A. R. Wejnarth. 1,873,800; Aug. 23.
Smelting process and charge therefor, Silicothermic. W. C. Read. 1,856,592; May 3.
Smoke and spark eliminator. L. R. Zane. 1,859,190; May 17.
Smoke automaton. P. A. Haerry. 1,860,776; May 31.
Smoke box construction for locomotives. C. H. Apps. 1,872,217; Aug. 16.
Smoke cleaning device. J. Mitchell. 1,881,058; Oct. 4.
Smoke consumer. J. Pykosz. 1,884,217; Oct. 25.
Smoke diluting and draft inducing apparatus. F. H. C. Coppus. 1,853,338; Apr. 12.
Smoke disposal and draft inducing apparatus for locomotives. H. G. Day and W. E. Skinner. 1,866,626–7; July 12.
Smoke hood, Water jacketed. F. C. Bradbury. 1,866,290; July 5.
Smoke house. C. Stadler. 1,842,431; Jan. 26.
Smokehouse trolley. A. N. Benn. 1,866,793; July 12.
Smoke indicator. H. A. Horner. 1,881,190; Oct. 4.
Smoke pipe air check. J. Perkins. 1,881,626; Oct. 11.
Smoke precipitating apparatus. S. Paterniti. 1,869,772; Aug. 2.
Smoke producer. R. Goddard. 1,861,852; June 7.
Smoke purifier and condenser. O. G. Lamb. 1,849,876; Mar. 15.
Smoke stick. G. L. Vogt. 1,867,238; July 12.
Smoker stand. E. F. McDonald. Des. 86,174–6; Feb. 9.
Smoker's appliance. L. F. Bailey. 1,858,428; May 17.
Smoker's appliance. D. Berger. 1,864,400; June 21.
Smoker's appliance. W. J. Raftey. 1,858,938; May 17.
Smoker's article. H. C. Pfingst. 1,883,819; Oct. 18.

Smoker's attachment for floor lamps. C. Meyers. 1,854,478; Apr. 19.
Smoker's convenience. F. J. Ziegler. 1,872,867; Aug. 23.
Smoker's device. E. Goldberg. 1,833,701; Oct. 13.
Smoker's device. W. W. Trigg. Des. 88,389; Nov. 22.
Smoker's novelty. A. Campos and A. Ramirez. 1,883,546; Oct. 18.
Smoker's package. L. M. Bayan. 1,862,133; June 7.
Smoker's pipe. E. C. Sasser. 1,886,124; Nov. 1.
Smoker's set, Combination. W. R. McCrery. Des. 86,173; Feb. 9.
Smoker's stand. R. N. Baylis. Des. 88,619; Dec. 13.
Smoker's stand. C. D. Bunker. Des. 87,200; June 21.
Smoker's stand. M. Chisholm. Des. 87,202; June 21.
Smoker's stand. H. K. Dalton. 1,840,024; Jan. 5.
Smoker's stand. F. E. Donovan. Des. 86,950; May 17.
Smoking stand. W. von Nessen. Des. 87,893; Oct. 4.
Smoker's stand and table, Combined. H. M. Dillhoefer. 1,842,076; Jan. 19.
Smoking apparatus. H. H. Broadway. 1,863,469; July 19.
Smoking appliance. J. Hunter. 1,850,503; Mar. 22.
Smoking appliance, Sanitary. J. B. Culien. 1,868,459; July 19.
Smoking case. W. Schnell. 1,877,059; Sept. 13.
Smoking case. W. Schnell and J. B. Flynn. 1,863,884; June 21.
Smoking case. E. G. Simpson. 1,861,287; May 31.
Smoking device. H. Grunauer. 1,845,264; Feb. 16.
Smoking device. V. Russo. 1,849,640; Mar. 15.
Smoking device. E. A. Sandling. 1,873,714; Sept. 20.
Smoking equipment. F. Sneider. 1,846,460; Feb. 23.
Smoking pipe. W. G. Clark. 1,886,375; Nov. 8.
Smoking pipe. D. Copell. 1,864,410; June 21.
Smoking pipe. E. C. Gunnarson. 1,864,432; June 21.
Smoking pipe. W. H. Levedahl. Des. 88,034; Jan. 19.
Smoking pipe. C. E. Maynard. 1,861,503; June 7.
Smoking pipe. R. Rinne. 1,879,504; Sept. 27.
Smoking pipe. G. E. Strandt. 1,852,596; Apr. 5.
Smoking pipe. J. A. Strawn. 1,890,920; Dec. 13.
Smoking pipe. F. L. Warnke. 1,892,324; Dec. 27.
Smoking pipe. P. L. Wood. 1,874,075; Aug. 30.
Smoking process. H. Becker. 1,879,032; Sept. 27.
Smoking set. J. R. O'Neil. 1,879,534; Sept. 27.
Smoking set, Combination. M. W. McArdle. Des. 86,256; Feb. 16.
Smoking stand. C. B. Camp. Des. 87,145; June 14.
Smoking substance and making the same. Product relating to. J. L. Brown. 1,871,151; Aug. 9.
Smoothing iron, Self moistening. C. S. Easley. 1,869,675; Aug. 2.
Snap. O. K. Harley. 1,844,652; Feb. 9.
Snap fastener. W. I. Jones. 1,856,814; May 3.
Snap fastener. M. L. Ross. 1,853,577; Apr. 12.
Snap fastener attaching machine. G. A. Holmes. 1,873,890; Aug. 23.
Snap fastener member and making the same. G. Johnson. 1,870,051; Aug. 2.
Snap fastener, Securing. B. C. Place. 1,887,426; Nov. 8.
Snap fastener stud member. W. I. Jones. 1,856,813; May 3.
Snap gauge. E. H. Alderborgh. 1,883,446; Oct. 18.
Snap gun. A. J. Graf. 1,890,288; Dec. 6.
Snap hook. A. B. Baxter. 1,847,205-6; Mar. 1.
Snap hook. J. B. Baxter. 1,847,206; Mar. 1.
Snap hook. J. B. Baxter. 1,852,689; Apr. 5.
Snap hook. H. Soule. 1,875,574; Aug. 30.
Snap operating mechanism. H. E. Hodgson. 1,858,242; May 17.
Snap switch. W. L. Butler. 1,873,110; Aug. 23.
Snap switch. F. Graf. 1,891,089; Dec. 13.
Snap switch. M. Guett. 1,878,843; Sept. 20.
Snap switch. J. F. Seuffert. 1,870,072; Aug. 2.
Snap switch, Double pole. R. H. Bentley. 1,850,785; Mar. 22.
Snap switch, Electric. W. C. Tregoning. 1,883,128; Oct. 18.
Snap switch, Flush. F. E. Johnson. 1,859,671; May 24.
Snap switch, Piston operated. F. Siepp. 1,858,117; May 10.
Snap switch, Push button. W. C. Tregoning. 1,883,127; Oct. 18.
Snap switch, Rotary. R. Popp. 1,858,598; May 17.
Snell hook manufacture, Apparatus for. H. W. Meyer. 1,869,858; Aug. 2.
Snelling machine. W. S. Torrence. 1,861,198; May 31.
Snow and ice remover. C. Hedberg. 1,872,082; Aug. 16.
Snow, Artificial. J. Oftedahl. 1,890,127; Dec. 6.
Snow machine, Carbon dioxide. N. M. Small. 1,861,328; May 31.
Snow, Making carbon dioxide. F. R. Zumbro. 1,864,399; June 21.
Snow melting apparatus. J. R. Peters. 1,857,603; May 10.
Snowplow. C. N. Arnold. 1,891,465; Dec. 20.
Snowplow. G. H. Curtis. 1,863,474; June 14.
Snowplow. G. F. De La Mater. 1,867,255; July 12.
Snowplow. A. E. Fisher. 1,866,094; July 5.
Snowplow. F. Gettleman. 1,891,046; Dec. 13.
Snowplow. E. Pitcher. 1,864,215; June 21.
Snowplow. E. Pitcher. 1,866,861; July 12.
Snowplow. L. T. Ross. 1,882,945; Oct. 18.
Snowplow. F. Saxon. 1,870,591; Aug. 9.
Snowplow. G. C. Soule and J. B. Woodbury. 1,853,940; Apr. 12.
Snowplow. G. C. Soule and J. B. Woodbury. 1,858,212; May 10.
Snowplow. G. C. Soule and J. B. Woodbury. 1,867,188–7; July 12.
Snowplow. G. Wandscheer. 1,844,706; Feb. 9.
Snowplow. C. A. Wetmore. 1,863,610; June 21.
Snowplow equipment. D. A. Sargent. 1,867,178; July 12.
Snowplow equipment for automobiles. C. H. Lilley. 1,885,611; Nov. 1.
Snowplow, Highway. C. A. Milhon. 1,872,484; Aug. 16.
Snowplow nose and cutter bar therefor. G. C. Soule and J. B. Woodbury. 1,871,565; Aug. 16.
Snow plow, Power. J. B. Woodbury and G. C. Soule. 1,893,269; Nov. 29.
Snowplow, Rotary. H. R. Holmes. 1,849,296; Mar. 15.
Snowplow, Rotary. T. J. Neal. 1,881,865; Oct. 11.
Snowplow, Rotary. H. T. Smith and L. P. Campbell. 1,848,554; Mar. 8.
Snow scraping machine. J. Remington. 1,880,984; Oct. 4.
Snow remover. G. W. Bunnell. 1,851,301; Mar. 29.
Snow remover. D. Wandscheer. 1,886,069; Nov. 1.
Snow removing device. H. R. Hunt. 1,890,730; Dec. 13.
Snow removing device. S. Severson. 1,844,693; Feb. 9.
Snow removing machine. A. O. Hagen. 1,841,245; Jan. 12.
Snow shovel. M. B. Bulger. 1,849,171; Mar. 15.
Snow shovel. H. G. Langer. 1,880,260; Oct. 4.
Snubber. C. A. Tea. 1,848,585; Mar. 8.
Snubber for elevators. J. Dunlop. 1,873,828; Aug. 23.
Snubber or shock absorber. J. Hofmann. 1,876,004; Sept. 6.
Snubber, Synchronous acting vacuum. F. Transom. 1,840,178; Jan. 5.
Snubber, Vacuum. F. Transom. 1,840,177; Jan. 5.
Soaking pit furnace. F. W. Manker. Re18,557; Aug. 9.
Soap. D. L. McCarthy. 1,854,268; Apr. 19.
Soap and water mixer. A. E. Goodloe. 1,846,098; Feb. 23.
Soap, Apparatus for treating. J. A. Schwantes. 1,880,500; Oct. 4.
Soap compound, Making a. G. G. Frellinghuysen. 1,882,979; Oct. 4.
Soap compositions, Tri-sodium phosphate hydrate. F. L. Frost, jr. 1,885,905; Nov. 1.
Soap, Compressed. A. Weltzer. 1,842,738–9; Jan. 26.
Soap cutting machine. H. P. Forté. 1,862,360; June 7.
Soap dispensing. W. T. Rambo. 1,852,821; Apr. 5.
Soap dispensing device. R. S. Walker. 1,877,259; Sept. 13.
Soap, Flaking. B. W. Coltman. Des. 18,546; July 26.
Soap framing device. J. Jergens. 1,883,978; Apr. 12.
Soap into a rapidly soluble handy form, Converting liquid. A. Welter. 1,887,474; Nov. 8.
Soap lubricant and preparing same, Lead mahogany. M. H. Arveson. 1,879,942; Aug. 16.
Soap making. R. S. Blair. 1,891,744; Dec. 20.
Soap manufacture. P. I. Murrill. 1,852,820; Apr. 5.
Soap manufacture. J. A. Schwantes. 1,878,547; Sept. 20.
Soap oil compositions, Making. F. W. Abrams. 1,860,798; May 31.
Soap, Process and apparatus for manufacturing. P. M. Travis. 1,874,388; Aug. 30.
Soap, Refining and discoloring of raw sulphate soft. E. Pyhälä. 1,887,246; Nov. 8.
Soap saver. R. J. Meister. 1,871,814; Aug. 16.
Soap stock, Bleaching. A. M. LaGasse. 1,890,121; Dec. 6.
Soapsuds, Apparatus for making. P. C. Doyle. 1,882,786; Oct. 18.
Soap sudsing apparatus. P. C. Doyle. 1,887,371; Nov. 8.
Soap-sudsing apparatus. L. Faber. 1,887 836; Nov. 15.
Soaps bleached with hydrochloros acid, Rendering odorless. A. Weber. 1,845,461; Feb. 16.
Soaps, Manufacture of resinous. C. Gillet. 1,853,807; Apr. 12.
Soaps, Manufacture of transparent or opaque toilet and medicated. P. Villain. 1,887,743; Nov. 15.
Soaps, solutions or the like, Method and apparatus for making. T. W. Thornhill. 1,854,282; Apr. 19.
Sock. J. Sprenkle and M. F. Sprenkle. Des. 87,732; Sept. 6.
Sock linings in shoes, Incorporating. J. Cavanagh. 1,861,686; June 7.
Sock, Slipper. H. Bellak. Des. 86,152; Feb. 9.
Socks and stockings, Preventing wear of. J. Parsons. 1,864,465; June 21.
Socket. A. F. Roswurn. 1,870,589; Aug. 9.
Socket and adjustable support therefor, Lamp. W. H. Hall. 1,880,987; Oct. 4.
Socket and mold for amalgam dies, Metallic. E. E. Bailey. 1,867,300; July 12.
Socket and snap switch, Combined. G. Eaton. 1,846,799; Feb. 23.
Socket and stem, Self lubricated caster. W. H. Noelting. 1,875,112; Aug. 30.
Socket and terminals therefor, Tube. M. Alden. 1,839,521; Jan. 5.
Socket, Candle. K. K. Nielsen. Re18,535; July 19.
Socket, Candle. K. K. Nielsen. 1,853,889; Apr. 26.
Socket, Candle. B. D. Wells. 1,869,451; Aug. 2.
Socket clip, Lamp. A. L. Buschman. 1,861,151; May 31.

Socket, Decorative lamp. R. S. McNeil. 1,849,846; Mar. 15.
Socket, Electric. H. E. Slade and J. Gehring. 1,875,270; Aug. 30.
Socket, Electric. H. H. Wermine. 1,845,639; Feb. 16.
Socket, Electric lamp. G. H. Elwell. 1,878,387; Sept. 20.
Socket, Electric lamp. K. Perkins. 1,852,365; Apr. 5.
Socket, Electric lamp. J. Taussig. 1,846,461; Feb. 23.
Socket, Electric light. B. F. Muldoon. Des. 37,277; June 28.
Socket, Electric light. J. Weber. 1,847,153; Mar. 1.
Socket, Electric outlet. L. Propp. 1,857,784; Nov. 15.
Socket, Electrical. M. M. Clayton. 1,845,480; Feb. 16.
Socket, Electrical. H. R. Hale. 1,856,248; May 3.
Socket, Electrical. W. Maden. 1,861,623; Jan. 5.
Socket, Fastener. M. F. Carr. 1,873,870; Aug. 23.
Socket, Fastener. B. C. Place. 1,842,284; Jan. 19.
Socket, Floating snap fastener. P. E. Fenton. 1,858,440; May 17.
Socket for artificial limbs. F. H. Logan. 1,861,311; May 31.
Socket for artificial limbs, Pneumatic. L. W. Balch and E. DeWagenaere. 1,868,303; July 19.
Socket for cameras and the like, Tripod. L. W. Lessler. 1,863,997; Oct. 25.
Socket for electrical devices. J. E. Ferguson. 1,842,157; Jan. 19.
Socket for fishing objects from wells, Method of and rotary. F. J. Hinderliter. 1,858,500; May 17.
Socket for resilient studs, Self engaging. E. D. Simons. 1,863,997; May 31.
Socket for vacuum tubes. M. Alden. 1,839,522; Jan. 5.
Socket, Gas and vacuum tube electrode. H. Harase. 1,850,260; Dec. 30.
Socket, Health lamp. L. C. Doane. 1,864,810; June 28.
Socket holding device. Lamp. W. L. Mappes. 1,865,933; July 5.
Socket, Interchangeable electrical. W. H. Fabrey. 1,873,191; Aug. 23.
Socket Joint. R. H. Hutchinson. 1,832,616; Oct. 11.
Socket, Lamp. H. C. Mead. 1,881,811; Oct. 11.
Socket, Lamp. A. G. Steinmayer. 1,873,501; Aug. 23.
Socket, Lamp. T. H. Williams. 1,865,347; June 28.
Socket, Lock. W. F. Hild. 1,859,804; Dec. 6.
Socket, Locking. G. J. Henry. 1,856,214; May 3.
Socket, Multiterminal electrical. C. M. Metelski. 1,877,419; Sept. 13.
Socket, Portable. H. H. Wermine. 1,845,638; Feb. 16.
Socket, Pronged. D. I. Reiter. 1,891,013; Dec. 13.
Socket, Pull through. C. Avery. 1,832,055; Oct. 11.
Socket, Resilient snap fastener. E. D. Simons. 1,848,580; Mar. 8.
Socket rheostat. C. A. Michel. 1,859,674; May 24.
Socket, Rheostat lamp. C. L. Welchelt. 1,858,422; May 17.
Socket, Self-aligning terminal. M. C. Berstel. 1,847,685; Mar. 1.
Socket, Slide fastener. G. A. Holmes. 1,867,360; July 12.
Socket, Snap fastener. G. Johnson. 1,860,858; May 31.
Socket. Snap fastener. A. W. Kimbell. 1,846,737; Feb. 23.
Socket, Swivel ferrule strap. W. D. Anderson. 1,879,006; Sept. 27.
Socket tap device, Electric. R. Eckstein and M. Polis. 1,842,543; Jan. 26.
Socket, Trolley pole. G. W. Packer. 1,848,140; Mar. 8.
Socket, Tube. M. Alden. 1,871,292; Aug. 9.
Socket, Tube. R. R. Richards. 1,855,729; Apr. 26.
Socket, Two-part electric lamp. L. Erikson. 1,888,714; Nov. 22.
Socket, Vacuum tube. A. I. Crawford. 1,884,582; Oct. 25.
Socket wrench. E. M. Pfauser. 1,873,472; Aug. 23.
Socket wrench. E. M. Pfauser. 1,881,029; Oct. 4.
Soda ash, Sodium chloride, Separating caustic. A. K. Smith. 1,865,281; June 28.
Soda cellulose for conversion into viscose, Making of. G. A. Richter. 1,859,774; Jan. 5.
Soda, Concentration of caustic. R. E. Wilson. 1,883,211; Oct. 18.
Soda content of deteriorated alkaline solutions, Clarifying and recovering caustic. J. H. Buchanan and J. H. Toulouse. 1,861,950; June 7.
Soda fountain. G. R. Lippitt. Des. 87,012; May 24.
Soda from waste lye, Recovering caustic. S. Tachikawa. 1,868,955; July 26.
Soda lime and preparing same. C. A. Carey. 1,872,026; Aug. 16.
Soda of a high degree of purity, Treatment of caustic solutions for the production of solutions, and of a solid caustic. D. A. Pritchard. 1,888,886; Nov. 22.
Sodium acetate, Purification of. H. G. Stone. 1,857,520; May 10.
Sodium aluminium fluorides. Production of. J. E. Morrow. 1,873,210; Aug. 23.
Sodium bicarbonate, Forming. H. H. Chesny. 1,865,833; July 5.
Sodium bicarbonate from solutions in form of coarse crystals, Precipitating. H. H. Chesny. 1,865,832; July 5.
Sodium carbonate, Drying natural. W. F. Seyer. 1,877,368; Sept. 13.
Sodium carbonate from brine, Recovery of. L. Rosenstein and K. G. Bell. 1,869,621; Aug. 2.
Sodium carbonate from salt residues left by the evaporation of alkaline waters, Manufacture of. A. C. Houghton and J. G. Miller. 1,863,376; Apr. 12.
Sodium ligno-sulphonate, Making. W. E. B. Baker. 1,847,709; Mar. 1.
Sodium metaborate, Production of. A. Kelly. 1,847,836; Mar. 1.
Sodium nitrate, Making. W. Gluud. 1,855,393; Apr. 26.
Sodium perchlorate, Electrolytic production of. U. Ehrnardt. 1,880,927; Oct. 4.
Sodium, potassium, and magnesium chlorides from natural brines and controlling the crystal sizes, Recovering. H. B. Kipper. 1,878,586; Sept. 20.
Sodium, potassium, and magnesium chlorides from natural brines, Recovering. H. B. Kipper. 1,863,751; June 21.
Sodium resinate, Making. R. C. Murray. 1,881,858; Oct. 11.
Sodium sulphide, Partially dehydrated. S. B. Heath. 1,843,767; Feb. 2.
Sodium sulphite, Manufacture of anhydrous. C. N. Hand. 1,863,754; July 5.
Sodium thiosulphate from gas purification liquors and the like, Recovering. D. L. Jacobson. 1,846,053; Feb. 23.
Sodium thiosulphate, Manufacture of. J. P. Prunier. 1,854,762; Apr. 19.
Sofa, Adjustable arm. S. Schneider. 1,842,208; Jan. 19.
Sofa bed. C. R. Hultgren. 1,854,841; Apr. 19.
Sofa frame or similar article. A. McLaurin. Des. 88,664; Dec. 13.
Soft hanger. F. G. Dickman. 1,851,353; Mar. 29.
Soft-collar clip. J. H. McCormick. 1,882,355; Oct. 11.
Softening box toe stiffeners, Apparatus for. H. F. Rose. 1,892,079; Dec. 27.
Soil, Filling voids in. J. B. Goldsborough. 1,889,599; Nov. 29.
Soil products, Apparatus for the treatment of. J. R. Richardson. 1,882,912; Oct. 18.
Soil pulverizer. J. M. Hjermstad. 1,878,142; Sept. 20.
Soil saver. M. L. Scott. 1,852,983; Apr. 5.
Soil sterilization, Method and apparatus for. W. Salisbury. 1,875,504; Sept. 6.
Soil treatment. H. J. Rose and W. H. Hill. 1,864,672; June 28.
Soils, Treating. H. P. Vannah. 1,880,058; Sept. 27.
Solar heater. W. F. Clark. 1,888,620; Nov. 22.
Solar heater. W. F. Clark. 1,889,238; Nov. 29.
Solar water heater. H. A. Wheeler and F. J. Bentz. 1,853,480; Apr. 12.
Solder. H. E. Kocher. 1,844,287; Feb. 9.
Solder and sealing the same, Sealed cored. P. C. Ripley. 1,843,303; Feb. 2.
Solder catch pan. E. F. Shipman. 1,844,872; Feb. 9.
Solder joint structure. R. P. Jackson. 1,871,371; Aug. 9.
Soldering apparatus. T. J. Dugan. 1,876,821; Sept. 13.
Soldering apparatus. A. H. Pardew. 1,890,262; Dec. 6.
Soldering apparatus. G. F. Walter. 1,884,935; Oct. 25.
Soldering apparatus, Electrical. W. R. Woodring. 1,869,448; Aug. 2.
Soldering device for can machines. W. Cameron. 1,883,539; Oct. 18.
Soldering flux. C. L. Barber. 1,882,734–5; Oct. 18.
Soldering fluxes, Anti-fermentive. E. F. Bowers. 1,859,651; May 24.
Soldering iron. F. G. Benson. 1,845,475; Feb. 16.
Soldering iron. L. W. Young. 1,880,649; Oct. 4.
Soldering iron, Electric. E. A. Lockwood. 1,860,192; May 24.
Soldering means, Electric. L. A. Bean. 1,862,653; June 14.
Soldering, Method of and apparatus for. J. F. Donovan and F. J. Malloy. 1,857,182; May 10.
Sole, Air tread. J. O. Gustaveson. 1,852,883; Apr. 5.
Sole and heel, Combined. W. B. Hopwood. Des. 86,026; Jan. 19.
Sole and heel, Combined. W. B. Hopwood and H. S. Mantle. Des. 86,029; Jan. 19.
Sole and heel, Combined. W. V. Regan. Des. 86,638; Mar. 29.
Sole and heel, Combined. W. V. Regan. Des. 87,795; Sept. 20.
Sole and heel, Combined rubber. A. E. Tebbutt. Des. 87,136; June 7.
Sole and heel, Rubber. E. T. Packard. 1,846,450; Feb. 23.
Sole and preparing the same, Outer. N. Elkin. 1,877,164; Sept. 13.
Sole blank, Multiple. M. Doushkess. 1,891,757; Dec. 20.
Sole, Boot or shoe. C. E. Johnson. 1,890,118; Dec. 6.
Sole cementing machine, Shoe. W. F. Green. 1,877,300; Sept. 13.
Sole channeling and rough cutting machine, Combined shoe. N. Orgitano. 1,853,692; Apr. 12.
Sole construction, Rubber. C. J. Futter and G. W. Blair. 1,865,625; July 5.
Sole for turned shoes. C. E. Adams. 1,881,339; Oct. 4.
Sole laying machine, Rotary. C. L. Moyer. 1,846,350; Feb. 23.
Sole molding mechanism. M. L. Dodge and H. A. Jordan. 1,854,298; Apr. 19.
Sole, Orthopedic. M. Glückauf. 1,852,879; Apr. 5.
Sole press. J. T. Evans. 1,839,471; Jan. 5.
Sole pressing machine. R. J. King and R. A. Blake. 1,858,987; Nov. 29.

Sole, Process and apparatus for forming the heel end of a. A. J. Brauer and F. P. Wagner. 1,852,288; Apr. 5.
Sole, Process and apparatus for forming the heel end of a. A. J. Brauer and F. P. Wagner. 1,886,157; Nov. 1.
Sole roughing machine. W. C. Card. 1,842,246; Jan. 19.
Sole, Rubber. G. F. Quinn. 1,861,879; June 7.
Sole, Shoe. J. E. Dyer. Des. 87,628; Aug. 23.
Sole slashing machine. W. C. Baxter. 1,864,631; June 28.
Soles for boots and shoes, Rubber. L. M. Oakley. 1,849,026; Mar. 8.
Soles, Method and apparatus for making shoe. W. J. De Witt, Pierce and A. Pimmel. 1,843,753; Feb. 2.
Soleno compound, Organic. M. S. Kharasch. 1,858,958; May 17.
Solenoid. A. S. Boehm. 1,857,349; May 10.
Solenoid coil, Sealed. A. E. Anderson. 1,844,626; Feb. 9.
Solid and pneumatic tired wheel. W. F. Ennis. 1,885,901; Nov. 1.
Solid substances, Separation of. A. D. Ellé. 1,869,241; July 26.
Solids and liquids from gases and vapors, Removing suspended. R. R. Harmon. 1,844,851; Feb. 9.
Solids, Apparatus for handling. F. B. Allen. 1,864,009; June 21.
Solids from gases, Apparatus for separating. E. Anderson. 1,856,685; May 3.
Solids from gases, Apparatus for separating. F. F. Stelz. 1,841,556; Jan. 19.
Solids from liquids or liquors by filtration, Apparatus for separating. J. T. Shimmin. Re18,597–8; Sept. 13.
Solids in liquids, Method and apparatus for disseminating. E. Cowles. 1,883,597; Oct. 18.
Solids into an inclosed reaction mixture, Feeding subdivided. A. Wall and C. Field. 1,844,195; Feb. 9.
Solids suspended in a liquid, Collecting and classifying different kinds of. B. Crocker. 1,861,381; May 31.
Solu and their use for concentrating materials suspended in liquid to be clarified, Process and device for the preparation of. R. A. Henry. 1,862,265; June 7.
Soluble agent to liquid fuel, Method and apparatus for supplying. E. L. Prizer. 1,868,914; July 26.
Solution accelerator for oil dyes. C. B. Watson and R. C. Osterhout. 1,884,431; Oct. 25.
Solution dispensing attachment. J. Coy. 1,879,109; Sept. 27.
Solution for radiators, Antirust. A. Djidich. 1,853,341; Apr. 12.
Solutions, Apparatus for applying. L. Horst. 1,847,833; Mar. 1.
Solutions containing a compound of fluorine and aluminum, Manufacture of. H. Finkelstein and F. Achterberg. 1,851,430; Oct. 11.
Solutions for acetic or formic acid, Concentrating aqueous. W. N. Haworth. 1,867,943; July 19.
Solutions for dyeing purposes, Concentrated. H. Ellner 1,870,498; Aug. 9.
Solutions for the manufacture of artificial products, Apparatus for preparing highly uniform. A. Kämpf and A. Hager. 1,872,237; Sept. 13.
Solutions in the purification of hydrocarbon gas, Regenerating. H. J. Nichols, jr., and C. R. Wise. 1,869,435; Aug. 2.
Solutions of alkaline hypochlorites, Preparing solid or half solid. P. Shestakoff. 1,868,151; July 19.
Solutions of pentavalent antimony compounds, Stable. H. Schidt. 1,851,450; Oct. 29.
Solutions, Preparation of tarry and bituminous. R. Arnot. 1,847,805; Mar. 1.
Solutions, Process and apparatus for applying. C. Münch. 1,847,065; Feb. 23.
Solvent for mixed cellulose esters. C. S. Webber and C. J. Staud. 1,851,357; Oct. 4.
Solvent for organic esters of cellulose. J. F. Walsh and A. F. Caprio. 1,867,040; July 12.
Solvent treatment of copper ores. C. W. Dowsett. 1,843,017; Jan. 26.
Solvent treatment of copper silicate ores. C. W. Dowsett. 1,843,808; Feb. 2.
Solvents and their applications. A. Stevens. 1,860,822; May 31.
Solvents for derivatives of cellulose and compositions produced thereby. W. H. Moss. 1,844,365; Feb. 9.
Solvents, Recovery of volatile organic. W. Pungs and K. Eisenmann. 1,839,702; Jan. 5.
Solvents used in the purification of hydrocarbons, Recovery of. R. K. Stratford. 1,878,022; Sept. 20.
Soot pocket for boilers. D. S. Jacobus and W. A. Jones. 1,859,873; May 24.
Sooty atmosphere in gas fired furnaces, Producing. E. G. De Corlois and H. B. Barber. 1,873,999; Aug. 30.
Sorter. C. Rose, B. Rose and H. L. Rose. 1,871,471; Aug. 16.
Sorter, Bean. J. J. Jungers. 1,859,093; May 17.
Sorter counter machine. P. Bellsle. 1,876,038; Sept. 6.
Sorting and packaging machine. H. B. Logie. 1,858,161; May 10.
Sorting apparatus. W. E. Humphrey. 1,888,673; Nov. 22.
Sorting apparatus for plate slitting machines, Body blank. J. C. Balletti. 1,841,426; Jan. 19.
Sorting device. C. C. Casey. 1,851,662; Mar. 29.
Sorting device. L. L. Jones. 1,884,718; Oct. 25.
Sorting device for waste paper. N. H. Sandberg. 1,847,265; Mar. 1.
Sorting machine. H. C. Einstein. 1,876,647; Sept. 13.
Sorting machine. W. E. Ghent. 1,874,096; Aug. 30.
Sorting machine. W. W. Lasker. 1,868,112; July 19.
Sorting machine, Electrically controlled. P. Mansel. 1,849,677; Mar. 15.
Sorting machine for record cards. E. A. Ford. 1,880,428; Oct. 4.
Sorting machine for statistical cards or the like. L. E. Brougham. 1,866,748–9; July 12.
Sound absorbent material. R. C. Brockmeyer. 1,867,549; July 19.
Sound absorbing material and making the same. W. T. Dean. 1,869,367; Aug. 2.
Sound-absorbing unit and making same. J. Mazer. 1,883,386; Oct. 18.
Sound amplifier. P. Lindenberg. 1,841,658; Jan. 19.
Sound amplifying system. W. E. Brindley. 1,872,239; Aug. 16.
Sound and photography, Synchronized. H. W. Rogers. 1,856,886; May 3.
Sound and picture records, Making combined. L. A. Jones. 1,866,712; July 12.
Sound and pictures, Apparatus for reproducing. H. C. Bullis. 1,889,798; Dec. 6.
Sound animated by electrical means, Resonating, modulating, and projecting of. C. A. Volf, jr. 1,847,284; Mar. 1.
Sound, Apparatus and method for the absorption of. E. B. Lyford. 1,878,409; Sept. 20.
Sound, Apparatus for photographically recording. F. Hehlgans. 1,873,646; Aug. 23.
Sound, Apparatus for recordation and reproduction of. W. Richmond. 1,845,987–8; Feb. 16.
Sound, Apparatus for recording and reproducing. H. E. Chipman. 1,865,171; June 28.
Sound attachment for toy locomotives. H. R. Howser, jr. 1,889,918; Dec. 6.
Sound beats, Apparatus for the visual recordation of. G. Lane. 1,879,694; Sept. 27.
Sound board. L. J. Buckley. 1,870,171; Aug. 2.
Sound box for phonic diaphragms. A. C. Keller. 1,884,724; Oct. 25.
Sound-box for sound-reproducing machines. R. Goldschmidt. 1,875,727; Sept. 20.
Sound box guiding mechanism. S. Katscher. 1,855,058; Apr. 19.
Sound-carrying and field currents to remotely located dynamic loud speakers, System for transmitting. L. O. Painter and H. L. Johnson. 1,877,034; Sept. 13.
Sound chamber for loud speakers. M. Stettner 1,845,685; Feb. 16.
Sound, Collecting. E. H. Hansen. 1,887,637; Nov. 15.
Sound control apparatus. C. L. Farrand. 1,847,935; Mar. 1.
Sound control chamber. W. C. Stenger. 1,843,524; Feb. 2.
Sound controlling means. W. H. Chase. 1,854,019; Apr. 12.
Sound deadener. C. C. Cheyney. 1,865,667; July 5.
Sound deadening device. J. J. Kocher. Re18,573; Aug. 23.
Sound delivery construction. W. C. Stenger. 1,866,913; July 12.
Sound, Device for recording of. A. Poulsen and A. C. G. Peterson. 1,857,569; May 10.
Sound distribution system for auditoriums. E. W. Kellogg. 1,871,531; Aug. 16.
Sound emitting device. H. K. Bouvier and F. Wells. 1,866,188; July 5.
Sound emitting device. L. A. King and H. H. Shotwell. 1,855,837; Apr. 26.
Sound emitting device. J. Swallow. 1,866,231; July 5.
Sound film box, Portable. W. Winzenburg. 1,879,864; Sept. 27.
Sound from photographic records, Apparatus for reproducing. A. Wollensak and V. C. Ernst. 1,879,650; Sept. 27.
Sound from records tracked by a stylus, Reproducing. W. A. Henderson. 1,887,021; Nov. 8.
Sound head for sound-on-film mechanism. C. W. Ebeling. 1,866,528; July 12.
Sound indicator for film footage. I. Marks. 1,841,748; Jan. 19.
Sound ingots, Production of. A. G. Egler. 1,841,173; Jan. 12.
Sound instrument. H. G. Pape. 1,854,716; Apr. 19.
Sound insulating and vibration dampening structural unit. S. Rosenzweig. 1,880,153; Sept. 27.
Sound into electrical impulses, Converting. H. C. Snow. 1,852,594; Apr. 5.
Sound location device. H. Rasber, K. Petschnig, I. Pechan, and E. Eichwalder. 1,869,505; Aug. 2.
Sound locator. F. R. House. 1,889,363; Nov. 29.
Sound measuring system. A. H. Inglis, W. D. Goodale, jr., and E. Dietze. 1,871,886; Aug. 16.
Sound, Method and apparatus for broadcasting. P. M. Titus. 1,864,961; June 28.
Sound, Method and apparatus for translating. W. Richmond. 1,845,986; Feb. 16.
Sound muffler. W. P. Mason. 1,874,326; Aug. 30.
Sound muffling device for typewriters and other machines. J. T. Humes. 1,870,120; Aug. 2.
Sound-on-film reproducing apparatus. J. H. Burnside. 1,857,427; May 10.

Sound pick-up device. H. F. Olson and J. Weinberger. 1,892,645 ; Dec. 27.
Sound picture system. H. Pfannenstiehl. 1,891,241 ; Dec. 20.
Sound producer, Electrostatic. W. D. Crozier. 1,851,240 ; Mar. 29.
Sound producer, Sectional electrostatic. V. F. Greaves. 1,844,219 ; Feb. 9.
Sound producing device. G. H. Cole and J. S. High. 1,877,558 ; Sept. 13.
Sound producing device. L. J. Grubman. 1,883,724 ; Oct. 18.
Sound producing device. L. A. King. 1,855,836 ; Apr. 26.
Sound producing device. R. V. Northey. 1,844,226 ; Feb. 9.
Sound. Production of. J. B. Flowers. 1,860,807 ; May 31.
Sound projector apparatus. L. A. Sprague and C. F. Dorsch. 1,875,171 ; Aug. 30.
Sound proof and heat insulating glass. W. L. Morgan. 1,849,390 ; Mar. 8.
Sound ranging system. H. W. Lamson. 1,874,196 ; Aug. 30.
Sound record and making the same. F. M. Best. 1,847,860 ; Mar. 1.
Sound record and producing the same. W. L. Douden. 1,840,321 ; Jan. 12.
Sound record and with a plurality of records. O. Czelja and H. Thirring. 1,880,240 ; Oct. 4.
Sound record carrier, Magnetic. W. Hornauer. 1,846,110 ; Feb. 23.
Sound record printing. S. Twining and T. M. Ingman. 1,859,099 ; May 24.
Sound record slot machine. G. J. Saliba and A. G. Musgawir. 1,879,522 ; Sept. 27.
Sound record tablet. C. Huenlich. 1,881,600 ; Oct. 11.
Sound recorder groove finder. B. Y. Perkins, B. T. Wellborn, and R. W. Starke. 1,844,127 ; Feb. 9.
Sound recording. H. D. Arnold. 1,859,423 ; May 24.
Sound recording. S. M. Bagno. 1,862,327 ; June 7.
Sound recording. H. C. Harrison. 1,868,321 ; July 19.
Sound recording. C. W. Hewlett. 1,853,512 ; Apr. 12.
Sound recording. H. McDowell, jr. 1,855,197 ; Apr. 26.
Sound recording. W. A. Mueller. 1,888,467 ; Nov. 22.
Sound recording. L. T. Robinson. 1,854,159 ; Apr. 12.
Sound recording and record vending machine. E. Fey. 1,858,396 ; May 17.
Sound recording and records. E. H. Foley. 1,870,447 ; Aug. 9.
Sound, Recording and reproducing. C. O. Galbraith. 1,882,554 ; Oct. 11.
Sound recording and reproducing. C. A. Hoxie. 1,846,886 ; Mar. 8.
Sound recording and reproducing. A. Narath. 1,844,672 ; Feb. 9.
Sound recording and reproducing apparatus. A. V. Bedford. 1,849,819 ; Mar. 15.
Sound recording and reproducing apparatus. O. Leopold. 1,856,344 ; May 3.
Sound recording and reproducing apparatus, Photographic. F. H. Owens. 1,884,170 ; Oct. 25.
Sound recording and reproducing device. J. L. Walker. 1,877,485 ; Sept. 13.
Sound recording and reproducing head, Magnetic. H. E. Chipman. 1,883,561 ; Oct. 18.
Sound recording and reproducing machine, Electro-magnetic. H. E. Chipman. 1,883,560 ; Oct. 18.
Sound recording and reproducing system. C. R. Hanna. 1,888,724 ; Nov. 22.
Sound recording and reproduction, Method of and apparatus for. N. Deisch. 1,890,640 ; Dec. 13.
Sound, Recording and reproduction of. J. A. Maurer, jr. 1,891,388 ; Dec. 20.
Sound, Recording and reproduction of. T. B. Morehouse. 1,855,584 ; Apr. 26.
Sound recording and reproduction, System of. J. Neale. 1,879,423 ; Sept. 27.
Sound recording apparatus. B. J. Chromy. 1,859,552 ; May 24.
Sound recording apparatus. D. A. Whitson. 1,861,039 ; May 31.
Sound recording apparatus and arrangement for use therewith. H. J. Round. 1,840,795 ; Jan. 12.
Sound recording device. E. H. Foley. 1,870,446 ; Aug. 9.
Sound recording device. P. A. Robbins. 1,855,201 ; Apr. 26.
Sound recording machine. H. T. Leeming. 1,840,323 ; Jan. 12.
Sound recording machine. J. H. Sailliard. 1,868,369 ; July 19.
Sound recording method. G. W. Lang. 1,870,778 ; Aug. 9.
Sound recording, Method of and apparatus for. G. Ramsey. 1,851,327 ; Mar. 29.
Sound, Recording of. B. E. G. Mittell. 1,855,981 ; Apr. 26.
Sound recording process. A. J. Cawley. 1,872,677 ; Aug. 23.
Sound recording system. J. R. Balsley. 1,881,040 ; Oct. 4.
Sound recording system. T. R. Goldsborough. 1,872,630 ; Aug. 16.
Sound recording system. H. J. Round. 1,840,794 ; Jan. 12.
Sound records, Apparatus for making. T. Kahn. 1,891,822 ; Dec. 20.

Sound records, Apparatus for reproducing photographic. F. H. Owens. 1,846,569 ; Feb. 23.
Sound records, Apparatus for reproducing photographic. F. H. Owens. 1,847,535 ; Mar. 1.
Sound reflector, Ear. C. Fensky. 1,856,324 ; May 3.
Sound reproducer. S. Ballantine. 1,876,831 ; Sept. 13.
Sound reproducer. I. S. Bobrovsky. 1,862,174 ; June 7.
Sound reproducer. K. D. Bryson. 1,853,721 ; Apr. 12.
Sound reproducer. F. L. Capps. 1,872,672 ; Aug. 23.
Sound reproducer. F. A. Mitchell. 1,853,167 ; Apr. 12.
Sound reproducer. S. A. Sollie. 1,873,062 ; Aug. 23.
Sound reproducer. I. Wolff. 1,865,735 ; July 5.
Sound reproducer, Electrical. C. W. Black. 1,866,921 ; July 12.
Sound reproducer, Magnetic. P. L. Jensen. 1,886,816 ; Nov. 8.
Sound reproducer system, Electromagnetic. F. A. Kolster. 1,868,607 ; July 26.
Sound reproducing apparatus. J. Basil and C. Bongiorno. 1,878,896 ; Sept. 20.
Sound reproducing apparatus. G. F. C. Bauer. 1,871,253 ; Aug. 9.
Sound reproducing apparatus. B. J. Chromy. 1,859,551 ; May 24.
Sound reproducing apparatus. W. T. Forse and F. A. Mitchell. 1,887,600 ; Nov. 15.
Sound reproducing apparatus. L. V. Foster. 1,869,414 ; Aug. 2.
Sound reproducing apparatus. J. C. Kroesen. 1,891,386 ; Dec. 20.
Sound reproducing apparatus. F. H. Owens. 1,851,444 ; Mar. 29.
Sound reproducing apparatus. F. H. Owens. 1,862,062 ; June 7.
Sound reproducing apparatus. W. R. Oyston. 1,868,846 ; July 26.
Sound reproducing apparatus. W. R. Oyston. 1,869,770 ; Aug. 2.
Sound reproducing apparatus. W. R. Oyston. 1,878,311 ; Sept. 20.
Sound reproducing apparatus. E. Podszus. 1,868,640 ; July 26.
Sound reproducing apparatus. E. J. Quinby. 1,864,615 ; June 28.
Sound reproducing apparatus, Automatic. R. B. Bryant 1,883,527 ; Oct. 18.
Sound reproducing apparatus for advertising purposes. F. J. Salcedo. 1,873,790 ; Aug. 23.
Sound reproducing appliance having a film record. H. Küchenmeister. 1,877,781 ; Sept. 13.
Sound reproducing attachment for motion picture projectors. F. H. Owens. 1,877,033 ; Sept. 13.
Sound reproducing device. B. J. Chromy. 1,878,232 ; Sept. 20.
Sound reproducing device. L. de Forest. 1,853,850 ; Apr. 12.
Sound reproducing device. L. de Forest. 1,866,090 ; July 5.
Sound reproducing device. J. T. Fitzsimmons. 1,868,660 ; July 26.
Sound reproducing device. A. J. Fleck. 1,849,401 ; Mar. 15.
Sound reproducing device. F. W. Lyle. 1,849,495 ; Mar. 15.
Sound reproducing device. M. Nystrom. 1,848,139 ; Mar. 8.
Sound reproducing device. B. Olney. 1,853,174 ; Apr. 12.
Sound reproducing device. F. H. Owens. 1,884,171 ; Oct. 25.
Sound reproducing device. M. H. Page. 1,880,980 ; Oct. 4.
Sound reproducing device. S. L. Price. 1,873,153 ; Aug. 23.
Sound reproducing device. T. Weitling. 1,840,992 ; Jan. 12.
Sound reproducing device, Electric dynamic. L. W. Murkham and D. T. Bernett. 1,846,351 ; Feb. 23.
Sound reproducing device, Interference free. O. Wenderoth. 1,868,958 ; July 26.
Sound reproducing instrument, Automatic. B. C. Kenyon, W. W. Boa, and C. H. Green. 1,879,693 ; Sept. 27.
Sound reproducing machine. A. N. Goldsmith. 1,876,913 ; Sept. 13.
Sound reproducing machine. W. LaRue and S. H. Wismer. 1,883,238 ; Oct. 18.
Sound reproducing machine. S. H. Wismer. 1,883,239 ; Oct. 18.
Sound reproducing means. A. J. Cawley. 1,878,577 ; Sept. 20.
Sound reproducing means and method. R. T. Friebus. 1,891,227 ; Dec. 20.
Sound reproducing mechanism. T. H. Parker. 1,868,396 ; July 19.
Sound reproducing system. E. Gosmann. 1,881,501 ; Oct. 11.
Sound reproducing system. R. A. Miller. 1,871,383 ; Aug. 9.
Sound reproduction. W. B. Jones. 1,855,150 ; Apr. 19.
Sound reproduction. J. A. Maurer, jr. 1,891,389 ; Dec. 20.
Sound reproduction. A. M. Nicolson. 1,851,208 ; Mar. 29.
Sound reproduction. W. H. Offenhauser, jr. 1,855,196 ; Apr. 26.
Sound reproduction. A. F. Sykes. 1,852,068 ; Apr. 5.
Sound reproduction. J. Weinberger. 1,850,701 ; Mar. 22.

Sound reproduction, Apparatus and method for. B. J. Chromy. 1,844,146; Feb. 9.
Sound reproduction, Electrophonic. R. M. Hill. 1,865,565; July 5.
Sound reproduction of gramaphone and like records, Electrical. R. J. Miller. 1,851,830; Oct. 11.
Sound reproduction with articulate motion picture films, Apparatus for. L. A Wilson and J. Johnson. 1,871,643; Aug. 16.
Sound resonating and modulating device. C. A. Volf, jr. 1,847,285; Mar. 1.
Sound resonating device. C. A. Volf, jr. 1,847,283; Mar. 1.
Sound resonator. M. T. Probanski. 1,888,540; Nov. 22.
Sound signal. W. W. Riedel. 1,847,727; Mar. 1.
Sound studio. S. S. Sugar. 1,881,146; Oct. 4.
Sound, Translating. E. D. Phinney. 1,865,705; July 5.
Sound translating apparatus. F. W. Hochstetter. 1,846,055; Feb. 23.
Sound translating device. L. G. Bostwick. 1,868,090; July 19.
Sound translating device. H. R. Clarke. 1,855,600; Apr. 26.
Sound translating device. A. L. Thuras. 1,847,702; Mar. 1.
Sound translating device, A. L. Thuras. 1,869,178; July 26.
Sound translating device, Suspension. J. A. Terrell. 1,883,100; Oct. 18.
Sound translation. J. Engl. 1,851,164; Mar. 29.
Sound transmission. W. B. Jones. 1,855,148; Apr. 19.
Sound, Transmission and reproduction of. H. J. Round and A. G. D. West. 1,853,286; Apr. 12.
Sound transmission, Device for electric. H. Chirex. 1,889,975; Dec. 6.
Sound transmission, Distortion in. W. B. Jones. 1,855,147; Apr. 19.
Sound transmitting and light reflecting screen. S. G. Mandalian. 1,890,819; Dec. 13.
Sound waves, Ventriloquial production of. W. B. Jones. 1,855,149; Apr. 19.
Sound wave apparatus. C. W. Rice. 1,889,614; Nov. 29.
Sound wave record, Producing a electroconductive. H. L. Page. 1,840,791; Jan. 12.
Sound waves and light waves, Method and apparatus for reproducing. F. C. Morrison. 1,842,420; Jan. 26.
Sound waves, Apparatus for amplifying and distributing. D. G. Scrantom. 1,852,783; Apr. 5.
Sound waves, Device and method for recording. S. Ruben. 1,889,380; Nov. 29.
Sound waves, System responsive to the energy density of. H. Wolff. 1,852,642; Dec. 27.
Sound waves, System responsive to the energy flow of. H. F. Olson. 1,852,644; Dec. 27.
Sounding, Method and apparatus for taking. M. L. Touly. 1,885,652; Nov. 1.
Sounds recorded on films, Apparatus for reproducing. O. Cesija, L. Cattaneo and H. Thirring. 1,843,708; Feb. 2.
Sounds, Recording and reproducing. G. Liguori. 1,858,553; May 17.
Sousaphone. R. P. Dougherty. Des. 87,001; Mar 24.
South American maté, Improving. E. Orno-Ornfeldt and M. Loew. 1,881,227; Oct. 4.
Souvenir emblem or similar article. R. E. Bragg. Des. 86,943; Jan. 17.
Souvenir toy or similar article. M. Forte. Des. 87,832; Sept. 27.
Space discharge tube. A. Hund. 1,888,556; Nov. 22.
Space heater. A. W. Becker. 1,848,150; Mar. 8.
Spacer, Metal worker's rapid. M. F. Burgett. 1,876,605; Sept. 13.
Spacer, Road building. D. B. Bishop. 1,851,615; Mar. 29.
Spacer strip for electric welding. H. J. Burnish. 1,872,240; Aug. 16.
Spacing device. W. Leriche and I. V. Beasley. 1,869,264; July 26.
Spacing pad. G. B. Beaman. 1,852,832; Apr. 5.
Spade, Lever. H. H. Glasier. 1,889,984; Dec. 6.
Spader, Power. H. H. Glasier. 1,886,335; Nov. 1.
Spader, Power driven. H. H. Glasier. 1,869,961; Aug. 2.
Spaghetti machine. G. Quattrocchi. 1,884,218; Oct. 25.
Spanner wrench. S. Weber. 1,882,462; Oct. 11.
Spare wheel and tire lock. S. Wise. 1,887,367; Nov. 8.
Spare wheel carrier. G. W. Proctor. 1,848,975; Mar. 8.
Spare wheel lock. F. A. Smith. 1,856,933; May 3.
Spark advance control. R. C. Darnell. 1,872,252; Aug. 16.
Spark arrester. G. Carpenter. 1,857,353; May 10.
Spark arrester. R. M. Crosby. 1,887,922; Nov. 15.
Spark arrester. I. Jonsson. 1,859,804; May 24.
Spark arrester. H. G. Weinland. 1,884,438; Oct. 25.
Spark arrester and silencer. A. S. Whitehead. 1,872,373; Aug. 16.
Spark arrester for locomotives. M. F. Brown. 1,875,846; Sept. 6.
Spark arrester, Incinerator. A. E. Baird. 1,854,160; Apr. 12.
Spark control. M. A. Beatty. 1,892,600; Dec. 27.
Spark control. W. R. Spiller. 1,845,818; Feb. 16.
Spark indicating device for combustion motors. P. Nemeth. 1,856,883; May 3.
Spark plug cleaner. H. D. Mullan. 1,867,324; July 12.
Spark-plug cleaner. Coin-operated. M. H. Kleinfeld. 1,864,072; June 21.
Spark retarder for automobiles, Automatic. G. F. Colley. 1,871,360; Aug. 9.
Spat. Elastic. L. Wiesenfeld. 1,878,923; Sept. 20.
Spatula, Wax. M. Harris. 1,880,176; Sept. 27.
Speaker, Cone type. E. B. Newill. 1,844,787; Feb. 9.
Speaker, Electro-dynamic. R. T. Kingsford. 1,859,518; May 24.
Speaking device. L. J. White. 1,846,927; Feb. 23.
Spear. W. L. Church. 1,883,650; Oct. 11.
Spear. J. S. Johnson. 1,875,011; Aug. 30.
Spear, Fishing. O. D. Nutter. 1,849,433; Mar. 15.
Spear, Releasing. R. Wilkinson. 1,842,705; Jan. 26.
Spectacle frame. S. E. Bouchard. Des. 86,011; Jan. 19.
Spectacle frame. W. P. Glintenkamp. Des. 86,600; Mar. 29.
Spectacle frame. H. M. Smith. Des. 86,813; Apr. 19.
Spectacle frame. V. Tanasso and J. J. Pomeranz. 1,847,049; Feb. 23.
Spectacle lens. J. H. Hammon. Re18,427; Apr. 19.
Spectacle temple. F. A. Stevens. Des. 87,367; July 12.
Spectacle type of lamp holder. I. Rotea. 1,879,512; Sept. 27.
Spectacles. L. C. King. 1,871,183; Aug. 9.
Spectacles. L. C. King. 1,872,562; Aug. 16.
Spectacles. C. O. Pettersson. 1,854,060; Apr. 12.
Spectacles. J. Rheinberg. 1,881,132; Oct. 4.
Spectacles. A. Vellette. 1,839,230; Jan. 5.
Spectacles, Adjustable temple for. A. Pollmiller. 1,841,052; Jan. 12.
Spectacles, Pair of. L. L. Gilman. Des. 86,768; Apr. 19.
Spectacles, Pair of. G. E. Nerney. Des. 87,442; July 26.
Speculum. W. N. Ailyn. 1,849,701; Mar. 15.
Speculum, Veterinary mouth. K. B. Hanson and J. S. Mirick. 1,843,221; Feb. 2.
Speech translating system and method. E. A. Filene. 1,874,480; Aug. 30.
Speed accelerating device, Swimmer's. D. Trujillo. 1,878,916; Sept. 20.
Speed and distance indicator. H. C. Ford. 1,842,160; Jan. 19.
Speed change mechanism. E. G. Kesling. 1,886,695; Nov. 8.
Speed change mechanism, Gearless. J. W. Batchelder. 1,871,835; Aug. 16.
Speed changing apparatus. T. Okumura. 1,857,324; May 10.
Speed changing mechanism. E. G. Kesling. 1,877,886; Sept. 20.
Speed changing mechanism for motor vehicles. M. K. Dickey. 1,849,285; Mar. 15.
Speed charge device for sound reproducers. L. Fritz. 1,852,456; Apr. 5.
Speed control. J. I. Hull. 1,854,991; Apr. 19.
Speed control. J. I. Hull. 1,863,408; June 14.
Speed control apparatus. A. Winsch. 1,840,650; Jan. 12.
Speed control apparatus, Motor. J. I. Hull. 1,860,183; May 24.
Speed control for automobiles. F. B. Millington. 1,884,804; Oct. 25.
Speed control for electric motors. C. H. Kindl. 1,847,764; Mar. 1.
Speed control for elevators. P. Maniscalco. 1,885,458; Nov. 1.
Speed control for internal motors. A. B. Conrad. 1,876,048; Mar. 1.
Speed control mechanism. A. I. Pope. 1,862,802; June 14.
Speed control mechanism. E. E. Winkley. 1,858,654; May 17.
Speed controller, Safety. H. H. Fogwell and C. H. Judd. 1,872,133; Aug. 16.
Speed controlling mechanism. W. J. Pasinski. 1,857,790; May 10.
Speed controlling mechanism. E. E. Winkley. 1,872,378; Aug. 16.
Speed device. Change. L. Saives. 1,861,884; June 7.
Speed device, Change. F. C. Thompson. 1,877,540; Sept. 13.
Speed device, Constant. M. F. Bates. 1,846,578; Feb. 23.
Speed device, Variable. R. H. Worrall. 1,887,705; Nov. 15.
Speed drive control, Variable. M. Zwicky. 1,873,099; Aug. 23.
Speed drive mechanism, Variable. C. F. Meyer. 1,873,007; Aug. 23.
Speed for front wheel drives, Divided transversely mounted change. A. J. Lavoie. 1,856,284; May 3.
Speed gear driven drilling control, Multiple. D. S. Faulkner and L. E. Zerbe. 1,874,264; Aug. 30.
Speed governing mechanism. H. Kraft. 1,891,096; Dec. 13.
Speed governing mechanism. Le R. Wottring. 1,840,482; Jan. 12.
Speed governor device, Multiple. E. S. Cook. 1,891,668; Dec. 20.
Speed indicating means. I. W. Masters. 1,869,974; Aug. 2.
Speed indicator. W. R. Bonham. 1,840,806; Jan. 12.
Speed indicator. R. F. Golden. 1,869,962; Aug. 2.
Speed indicator. A. L'Hérault. 1,875,470; Sept. 6.
Speed indicator. F. C. Sandstrom. 1,880,495; Oct. 4.
Speed indicator, Ground. B. Jones. 1,891,162; Dec. 13.
Speed indicator switch. D. C. Leaming. 1,890,855; Dec. 13.
Speed induction motor, Variable. R. E. Stewart. 1,855,617; Apr. 26.

Speed measuring apparatus. M. P. Ferrell. 1,846,678; Feb. 23.
Speed mechanism, Automatic change. E. Bourquin. 1,860,010; May 24.
Speed mechanism, Automatic variable. F. R. Porter. 1,867,590; July 19.
Speed mechanism, Change. W. W. Edwards. 1,858,889; May 17.
Speed mechanism, Change. C. H. Richards. 1,883,399; Oct. 18.
Speed mechanism, Change. L. Vitalba. 1,885,967; Nov. 1.
Speed mechanism for drills, Variable. V. H. Peterson. 1,842,194; Jan. 19.
Speed mechanism, Hydraulic change. J. Nettel. 1,866,266; July 5.
Speed mechanism, Variable. W. M. Cutler. 1,859,815; May 24.
Speed mechanism, Variable. L. Jensen and F. C. Reucker. 1,873,415; Aug. 23.
Speed. Method of and apparatus for indicating. L. H. Brown. 1,871,404; Aug. 9.
Speed motor. Variable. S. A. Brown and E. W. Brockmeyer. 1,873,675; Nov. 15.
Speed motor, Variable. M. T. Schumb and E. E. Tougas. 1,873,491; Aug. 23.
Speed of a vehicle. Apparatus for indicating the mean. E. Pellerin, M. Hector, and P. J. Carpentier. 1,889,876; Dec. 6.
Speed of a vessel by directed beams of ultra-audible waves, Observation and measurement of the. C. Chilowsky. 1,864,638; June 28.
Speed of electric motors, System for automatically controlling the. A. Della-Riccia. 1,888,569; Nov. 22.
Speed of internal combustion engines, more particularly of tractor engines or the like. Automatic device for limiting the. T. Zerbi. 1,892,597; Dec. 27.
Speed of prime movers, Process of and apparatus for governing the. C. E. Reid. 1,858,939; May 17.
Speed or load control system. W. Selz. 1,857,164; May 10.
Speed propeller, Variable. B. F. Kellogg and F. M. Kent. 1,864,045; June 21.
Speed reducer, Compound. K. E. Johnson. 1,890,685; Dec. 13.
Speed reducer, Variable. W. Burkart and R. M. Parsons. 1,869,662; Aug. 2.
Speed reducing device for railway cars. A. A. Johnson. 1,845,282; Feb. 16.
Speed reduction mechanism. J. L. Perkins. 1,859,462; May 24.
Speed regulating system. F. W. Merrill. 1,852,817; Apr. 5.
Speed regulating system. G. R. Shaw. 1,871,750; Aug. 16.
Speed regulation of engines. L. L. Collins. 1,870,793; Aug. 9.
Speed regulation of engines, Apparatus for the. L. L. Collins. 1,870,794; Aug. 9.
Speed regulator. K. Schmidt. 1,879,824; Sept. 27.
Speed regulator. O. G. Simmons. 1,888,185; Nov. 15.
Speed regulator. H. M. Stoller. 1,866,275; July 5.
Speed regulator, Motor. E. Nielsen. 1,871,274; Aug. 9.
Speed responsive device. P. Utne. 1,878,305; Sept. 20.
Speed responsive devices, Preventing excessive vibrations of. J. Pantin. 1,850,807; Mar. 22.
Speed responsive means. M. Pateau. 1,863,412; June 14.
Speed responsive mechanism and vehicle signaling. J. M. Cole. 1,858,812; Oct. 4.
Speed surfacing machine, Variable. M. W. H. Wilson. 1,864,226; June 21.
Speed synchronization of intermittently operated machines. M. Morgan. 1,846,894; Feb. 23.
Speed testing device for watthour meters, Constant. F. Stratton and W. C. Wagner. 1,869,588; Aug. 2.
Speed transformer. G. Krell and G. M. Martinet. 1,879,326; Sept. 27.
Speed transmission, Automatic change. O. H. Banker. 1,845,195; Feb. 2.
Speed transmission, Automatic variable. H. D. Tanner. 1,847,576; Mar. 1.
Speed transmission for registers, Variable. G. C. Chase. 1,859,195; May 17.
Speed transmission, Hydraulic. L. Durner. 1,867,306; July 12.
Speed transmission mechanism for motor vehicles, Change. R. Beringer. 1,856,275; May 3.
Speed transmission mechanism, Infinitely variable. S. H. Teece. 1,839,815; Jan. 5.
Speed transmission mechanism, Variable. E. Gessner. 1,878,486; Sept. 20.
Speed transmission mechanism, Variable. F. A. Hayes. 1,865,102; June 28.
Speed transmission mechanism, Variable. H. J. Tauscher. 1,855,428; Apr. 26.
Speed transmission, Variable. O. H. Banker. 1,843,194; Feb. 2.
Speed transmission, Variable. C. C. De Pew. 1,847,553; Mar. 1.
Speed transmission, Variable. A. Y. Dodge. 1,857,365; May 10.
Speed transmission, Variable. G. H. Gibson. 1,887,505; Nov. 15.
Speed transmission, Variable. L. G. Glohecy. 1,879,921; Sept. 27.
Speed transmission, Variable. G. B. Greening and J. W. Galloway. 1,872,636; Aug. 16.
Speed transmission, Variable. R. Lee. 1,843,426; Feb. 2.
Speed transmission, Variable. E. K. Standish. 1,883,749; Oct. 18.
Speed transmitter for distant control devices, Variable. E. Granat. 1,883,711; Oct. 18.
Speed unit, Variable. P. B. Reeves. Re18,333; Jan. 12.
Speedometer. J. V. Bosque. 1,849,447; Mar. 15.
Speedometer. R. O. Helzeby. 1,848,061; Mar. 1.
Speedometer, Automobile. C. M. Paxson. 1,885,134; Nov. 1.
Speedometer, Temperature compensated. E. F. Bacon. 1,848,052; Mar. 1.
Speedometer temperature compensator. I. T. Wedin. 1,848,068; Mar. 1.
Speedometer testing machine. H. C. Haeberle and C. T. Harrington. 1,871,053; Aug. 9.
Speedometer with rotating magnet. J. Zubaty. 1,857,674; May 10.
Spelling game board. V. D. Brittingham. Des. 87,775; Sept. 20.
Spider and slip construction. E. E. Greve. 1,847,087; Mar. 1.
Spider for deep well turbine pumps, Adjustable. J. A. Wintrath. 1,863,213; June 14.
Spigot. E. Spence. 1,889,937; Dec. 6.
Spigot, Collapsible tube. E. Remis. 1,852,198; Apr. 5.
Spike. R. E. Beegle. 1,868,964; July 26.
Spike attachment for shoes. J. L. Kerr. 1,881,319; Oct. 4.
Spike attachment for shoes. J. L. Kerr. 1,888,924; Nov. 22.
Spike driver. H. H. Talboys. 1,856,893; May 3.
Spike, twisted or threaded. G. B. Anthonisen. 1,884,503; Oct. 25.
Spillway control method and apparatus. A. B. B. Harris. 1,867,318; July 12.
Spindle. J. E. Whalen. 1,858,607; May 17.
Spindle boring machine, Multiple. A. C. Gough. 1,857,953; May 10.
Spindle boring machine, Multiple. E. J. McKnight. 1,858,677; May 17.
Spindle center turning machine, Automatic multiple. E. P. Bullard, Jr. 1,845,478; Feb. 16.
Spindle clamp, Attachment. E. J. Kearney. 1,875,739; Sept. 6.
Spindle, Cotton picker. E. A. Johnston. 1,859,144; May 17.
Spindle drip for door knobs. Automatic. N. B. Stone. 1,874,139; Aug. 30.
Spindle drive and feed unit, Detachable. D. C. Klausmeyer. 1,858,995; May 17.
Spindle drive for spinning frames. A. Ambye. 1,845,900; Feb. 16.
Spindle drive for spinning or twisting machines. L. H. Horner. 1,869,692; Aug. 2.
Spindle driving mechanism. W. O. Aldrich and J. A. Kooistra. 1,844,807; Feb. 9.
Spindle driving mechanism for spinning and twisting machines. A. Stewart and J. C. Downie. 1,852,067; Apr. 5.
Spindle end, Oilproof. D. C. Klausmeyer. 1,855,193; Apr. 26.
Spindle for screw driving machines. F. H. Dellaree. 1,862,845; June 14.
Spindle, Gelatin band. E. E. McNally. Re18,448; May 3.
Spindle lock. C. F. Mellink. 1,873,452; Aug. 23.
Spindle rail. J. J. Keyser. 1,871,533; Aug. 16.
Spindle reciprocating mechanism. C. L. Ott and H. E. Barringer. 1,844,791; Feb. 9.
Spindle, Spinning or twisting. B. R. Sweet. 1,869,632; Aug. 2.
Spindle straightener. W. D. Furlow and L. D. Rose. 1,862,328; Mar. 15.
Spindle tapper, Multi. A. J. Gifford. 1,887,091; Nov. 8.
Spindle, Yarn dyeing. M. Thus. 1,871,246; Aug. 9.
Spindles, Attachment for driving. L. F. Meunier. 1,871,720; Aug. 16.
Spindles employed in ring spinning frames, or in other frames in which similarly braked spindles are used, Braking. J. Hindle. 1,882,144; Oct. 11.
Spinel, Synthetic. E. Ancot. 1,852,097; Apr. 5.
Spinner. C. P. Schlipp. 1,855,365; Apr. 26.
Spinner for paper containers. A. Bodor. 1,891,866; Dec. 20.
Spinning and like textile frame. A. L. Benson. 1,855,437; Apr. 26.
Spinning and twisting machine. I. R. Rowe. 1,857,743; May 10.
Spinning and twisting machines. I. R. Rowe. 1,858,789; May 17.
Spinning and twisting machine. I. R. Rowe. 1,860,955; May 31.
Spinning and twisting machine. I. R. Rowe. 1,866,322; July 5.
Spinning frame. S. F. Rockwell and H. A. Owen. 1,866,058; July 5.
Spinning frame and the like. J. Pfilmlin. 1,839,772; Jan. 5.
Spinning frame cleaner. J. C. Ferguson. 1,883,358; Oct. 18.

Spinning frames and other machines, Apparatus for operating on. J. J. Smith. 1,857,410; May 10.
Spinning frames, Chase adjuster for. H. A. Owen. 1,842,565; Jan. 26.
Spinning in box spinning machines, Starting the. L. Von Tothefalussy and R. Naucke. 1,855,004; Apr. 19.
Spinning machine. J. A. Andrews. 1,873,372; Sept. 20.
Spinning machine. M. Wild. 1,861,103; May 31.
Spinning machine, Centrifugal. A. Hartmann. 1,859,825; May 24.
Spinning machine, Double twist flyer. A. Férier. 1,858,205; May 10.
Spinning machine equipment. A. Clocker and G. F. Macfarlane. 1,892,098; Dec. 27.
Spinning machine, Ring type. A. Nau-Touron. 1,847,682; Mar. 1.
Spinning machine, Ring type. A. Nau-Touron. 1,881,252; Oct. 4.
Spinning machine, twisting frame, reeling apparatus and like machine for winding on threads and the like. G. Van Coppenolle. 1,868,154; July 19.
Spinning machines, Bobbin-bank movement for. E. Stutz-Benz. 1,840,923; Jan. 12.
Spinning or twisting device. G. H. Gilligan. 1,880,084; Sept. 27.
Spinning ring and shield. H. B. Stuart. 1,861,249; May 31.
Spinning ring, Self lubricating. H. C. Herr. 1,867,150; July 12.
Spinning rings, Device for holding. A. H. Lawe. 1,858,672; May 17.
Spin-o-lator. W. C. Thompson. 1,878,732; Sept. 20.
Spiral gathering device. L. J. Justman. 1,855,109; Apr. 19.
Spiral pipe machine. V. Gladkov and A. J. Hand. 1,884,658; Oct. 25.
Spiral spring, Conical. S. Gross. 1,892,339; Dec. 27.
Spirit containing metallo organic catalyzers and self-made anti-knocking compounds and making same, Motor. C. Ellis. 1,867,814; July 19.
Spirit level. J. and P. Axt. 1,878,751; Sept. 20.
Spirit level. J. Hill. 1,842,172; Jan. 19.
Spirit level, Illuminated. A. J. Elison. 1,839,661; Jan. 5.
Spit. R. Hedge. 1,860,577; May 31.
Splash preventing device for motor cars. W. O. MacKey. 1,875,067; Aug. 30.
Splice and method of splicing belts and the like. D. Repony. 1,870,468; May 24.
Splice bar. O. O. Wolfkill. 1,850,974; Mar. 22.
Splint, Adjustable. P. B. McCracken. 1,843,333; Feb. 2.
Splint, Adjustable traction ankle. C. P. Jones. 1,885,448; Nov. 1.
Splint, Clavicle. J. J. Ettinger. 1,880,946; Oct. 4.
Splint for the arm, Surgical. K. G. F. Collender 1,860,995; May 31.
Splint, Leg. C. I. Allen. 1,879,001; Sept. 27.
Splint, Leg. J. Ettinger. 1,880,372; Dec. 6.
Splint, Surgical. J. J. Ettinger. 1,867,215; July 12.
Splint, Surgical. J. J. Ettinger. 1,880,945; Oct. 4.
Splint, Surgical. O. A. Reuf. 1,867,258; July 12.
Split lap preventer. W. H. Hames. 1,887,507; Nov. 15.
Splitter, Feed. W. C. Weber. 1,839,430; Jan. 5.
Splitting machine. L. Bates. 1,866,245; July 5.
Splitting machine. H. E. Elliott. 1,846,480; Feb. 23.
Spoke end attachment, Self-locking. J. P. Tarbox and W. H. Farr. 1,857,460; Apr. 26.
Spoke making apparatus. F. N. Geist and F. W. Lorenz. 1,865,412; June 28.
Sponge and device for manufacturing same, Artificial. L. C. Abraham. 1,877,155; Sept. 13.
Sponge handle. G. F. Shields. 1,853,238; Apr. 12.
Sponge, Producing metal. E. G. T. Gustafsson. 1,849,710; Mar. 8.
Sponge, Producing metal. E. G. T. Gustafsson. 1,864,593; June 28.
Sponge, Producing metal. E. G. T. Gustafsson. 1,871,848; Aug. 16.
Sponge rubber articles, Molding. H. M. Hood. 1,857,085; May 3.
Sponges, Apparatus for manufacturing artificial. L. C. Abraham. 1,890,555; Dec. 13.
Spool. G. D. Atwood. 1,853,029; Apr. 12.
Spool. G. W. Bungay. 1,869,408; Aug. 2.
Spool. C. K. Dunlap. 1,885,693; Nov. 1.
Spool. L. T. Hand. 1,852,458; Apr. 5.
Spool. E. F. Hathaway and W. Bixby. 1,880,439; Oct. 4.
Spool. G. H. Kennedy. 1,846,397; Feb. 23.
Spool. S. G. Malby. 1,875,068; Aug. 30.
Spool. W. C. Mills. 1,892,836; Dec. 27.
Spool. C. P. Park. 1,874,606; Aug. 30.
Spool. I. B. Scovill. 1,854,384; Apr. 19.
Spool. J. K. Taylor. 1,845,820; Feb. 16.
Spool and container for adhesive tapes, Combined. L. L. White. 1,864,877; June 28.
Spool and holder therefor. R. Eissner and R. H. Carter. 1,885,192; Nov. 1.
Spool and making same. G. D. Atwood. 1,865,423; July 5.
Spool and making the same, Tuft yarn. R. E. Vickerman. 1,887,342; Nov. 8.
Spool and protector therefor. G. F. Miller. 1,873,618; Aug. 23.
Spool and the like. R. H. Bowen. 1,842,143; Jan. 19.
Spool, beam, or the like. W. A. Traver. 1,856,298; May 3.
Spool, Film. A. F. Edouart. 1,882,413; Oct. 11.
Spool for adhesive tape. J. H. Sjellstrom. 1,843,235; Feb. 2.
Spool for electrical devices. H. R. Clarke. 1,880,809; Oct. 4.
Spool for moving pictures, Collapsing film holding. J. L. Spence, jr. 1,845,526; Feb. 16.
Spool for printing machines, Ribbon. H. C. Osborn. 1,887,184; Nov. 8.
Spool for thread. B. N. Knoche. 1,851,314; Mar. 29.
Spool for thread. G. S. Radford. 1,851,326; Mar. 29.
Spool for thread. G. S. Radford. 1,859,842; May 24.
Spool for yarns or threads. H. Johnson. 1,862,405; June 7.
Spool, Loom. R. E. Vickerman. 1,849,857; Mar. 15.
Spool, Metal. J. E. Gyourko. 1,868,229; July 19.
Spool or block, Collapsible. E. W. Duston. 1,870,243; Aug. 9.
Spool or cylinder for use in the wet handling of freshly-spun filaments. R. Rizkorn. 1,867,309; July 12.
Spool or reel. O. A. Boesel. 1,845,741; Feb. 16.
Spool or reel. H. C. Howsam. 1,881,596; Oct. 11.
Spool or reel. H. C. Howsam and A. Hlavac. 1,856,253; May 3.
Spool stand. H. A. Owen. 1,889,839; Dec. 6.
Spool structure and making the same. G. T. Jones. 1,839,223; Jan. 5.
Spool, Tube frame. W. Bixby. 1,880,400; Oct. 4.
Spool, Tube frame yarn. E. F. Hathaway and W. Bixby. 1,874,188; Aug. 30.
Spool, Warping. H. D. Clinton. 1,852,953; Apr. 5.
Spool, Warping. H. D. Clinton. 1,868,408; July 19.
Spool, Winding. C. K. Dunlap. 1,889,278; Nov. 29.
Spool with reenforced head. P. J. Farley. 1,876,215; Sept. 6.
Spool, Yarn. O. V. Payne. 1,868,719; July 26.
Spooling device. H. V. Shirley and H. P. Scanlon. 1,856,140; May 3.
Spooling machine. C. Herrmann. 1,874,525; Aug. 30.
Spools of strip material, Production of supply. B. Aivaz. 1,856,823; May 3.
Spoon. W. Leidel. 1,868,289; July 19.
Spoon, Fiber or paper. R. A. Christie. 1,851,942; Mar. 29.
Spoon, Fishing. M. S. Anderson. 1,862,917; June 14.
Spoon, Fishing. V. P. Hendrick. 1,885,440; Nov. 1.
Spoon, knife, fork, or other article of flatware. E. T. Beck. Des. 86,695; Mar. 1.
Spoon, knife, fork, or other article of flatware. E. T. Beck. Des. 86,695; Apr. 12.
Spoon, knife, fork or other article of flatware. G. A. Feinauer. Des. 87,330; July 12.
Spoon, knife, fork, or other article of flatware. J. Leech. Des. 86,962; May 17.
Spoon, knife, fork or other article of flatware. F. W. Stark. Des. 86,753; Apr. 12.
Spoon, mixing. H. G. Johannes. Des. 86,607; Mar. 29.
Spoon or article of analogous nature. H. E. Nock. Des. 86,737; Apr. 12.
Spoon or article of analogous nature. H. E. Nock. Des. 86,929; May 10.
Spoon or article of analogous nature. F. Poppenhäuser. Des. 86,093; Jan. 26.
Spoon or similar article. G. Allen, M. G. Parker, and L. E. Resseger. Des. 87,659; Aug. 23.
Spoon or similar article. G. N. Allen and E. H. Kreps. Des. 87,864; Oct. 4.
Spoon or similar article. T. E. Cayer. Des. 86,513; Mar. 15.
Spoon or similar article. C. C. Hunt. Des. 88,553; Dec. 6.
Spoon or similar article. B. P. Jenks. Des. 86,029; Jan. 19.
Spoon or similar article. M. Johnson. Des. 87,637; Aug. 23.
Spoon or similar article. J. Kern. Des. 88,420; Nov. 29.
Spoon or similar article. C. F. Simms. Des. 86,751; Apr. 12.
Spoon or similar article. C. F. Simms. Des. 86,812; Apr. 19.
Spoon or similar article. A. H. Staf. Des. 88,264; Nov. 8.
Spoon or similar article. F. S. Trumbull. Des. 87,493; Aug. 2.
Spoon or similar article. W. S. Warren. Des. 86,187; Feb. 9.
Spoon or similar article. W. S. Warren. Des. 87,177; June 14.
Spoon or similar article. W. S. Warren. Des. 87,765–6; Sept. 13.
Spoon or similar article. W. S. Warren. Des. 88,327; Nov. 15.
Spoon, Sheet metal. W. G. Momberger. 1,868,426; July 19.
Spoon, Soup. L. M. Reincke. Des. 85,959; Jan. 5.
Spoon, Trolling. H. L. Crow. 1,866,623; July 12.
Spoon, Trolling. F. J. Hofschneider. 1,847,397; Mar. 1.
Spoon, Trolling. H. F. Khoenle. 1,871,377; Aug. 9.
Spoon, Trolling. G. Mapel. 1,856,649; May 3.
Spoons and similar articles, Manufacturing. K. Springorum. 1,864,003; June 21.
Spotlight. F. P. Arrousez. 1,845,214; Feb. 16.
Spotlight. A. Kosian. 1,849,460; Mar. 15.

Spotlight and the like. L. S. Korsen. 1,839,971; Jan. 5.
Spotlight, Universally mounted. A. Kosian. 1,883,273; Nov. 22.
Spout. W. J. Geist. 1,863,787; June 21.
Spout and closure. E. L. McGinnis. 1,891,826; Dec. 20.
Spout and container, Pouring. H. Brucker. 1,870,489; Aug. 9.
Spout, Automatic. H. Henig. 1,874,008; Aug. 30.
Spout for cans. Detachable. G. T. Carr. 1,867,060; July 12.
Spout for containers, Detachable. F. R. Stamer. 1,859,008; May 17.
Spout for fluid containers, Automatic. H. Henig. 1,863,272; June 14.
Spout for oil drums, cans, fire extinguishers, and the like. A. T. C. Hale. 1,842,869; Jan. 26.
Spout for pouring vessels of ceramic material, Dripless. C. Achtziger. 1,878,996; Sept. 27.
Spout, Fruit and vegetable. J. A. Sturtz. 1,839,712; Jan. 5.
Spout, Pouring. C. H. Flautt. 1,845,964; Feb. 16.
Spout, Pouring. C. H. Pape. 1,881,228; Oct. 4.
Spout, Universal pouring. P. H. Flautt. 1,845,966; Feb. 16.
Spouting or gutter hanger. C. A. Carbaugh. 1,883,547; Oct. 18.
Spouting system for type casting machines. G. L. Curle. 1,875,565; Sept. 6.
Spray attachment for wheeled trucks. J. P. Grundon. 1,840,666; Jan. 12.
Spray for motor vehicles and the like. W. Miller and H. F. Lamb. 1,867,253; May 10.
Spragging device for motor vehicles. G. Wilson and H. J. H. Moore. 1,848,761; Mar. 8.
Spray adjustment means for sprinkler heads. W. V. E. Thompson. 1,862,812; June 14.
Spray apparatus. H. Albertine. 1,866,285; July 5.
Spray, Bath. R. Findlay. 1,882,216; Oct. 11.
Spray bar for road spraying vehicles. H. A. Cederstrom. 1,888,072; Nov. 15.
Spray, bath sponge and massage device, Combination shower bath. S. S. Hardy. 1,840,812; Jan. 12.
Spray booths, Cleaning. G. S. Affleck and A. S. Anderson. 1,862,392; June 7.
Spray burner. I. Hechenblaikner. 1,844,653; Feb. 9.
Spray coating exhaust system. E. G. Whitmore. Re18,645; Nov. 1.
Spray coating machine. H. L. Chapin. 1,841,431; Jan. 19.
Spray device. F. C. Nelson. 1,870,822; Aug. 9.
Spray device. W. E. Pearl. 1,885,135; Nov. 1.
Spray gun. W. F. Richards. 1,871,737; Aug. 16.
Spray drying apparatus. G. B. Voorhies. 1,874,665; Aug. 30.
Spray for perfume or medicinal purposes, Liquid. H. Eickelen. 1,852,046; Apr. 5.
Spray, Fruit and vegetable stand. R. H. Hamm and J. H. W. Champion. 1,890,084; Dec. 6.
Spray gun. C. A. Andrews. 1,861,966; June 7.
Spray gun. E. N. Berggren. 1,882,271; Oct. 11.
Spray gun. C. W. Huff. 1,840,842; Jan. 12.
Spray gun. H. W. Jelliffe and W. H. Abbott. 1,881,625; Oct. 11.
Spray gun. J. E. Perrin. 1,853,636; Apr. 12.
Spray gun. O. P. Yost. 1,884,485; Oct. 25.
Spray gun head. M. J. Binks and W. H. Hersleb. 1,860,129; May 24.
Spray guns, Multicolor attachment for. H. L. Young. 1,863,782; June 21.
Spray head. H. B. Bills and G. G. Griswold. 1,885,219; Nov. 1.
Spray head. J. C. MacLachlan. 1,878,588; Sept. 20.
Spray head, Automatic. C. H. Bills and G. G. Griswold. 1,891,909; Dec. 27.
Spray mixture of liquid and gas, Method and apparatus for producing a. W. T. Carter. 1,856,318; May 3.
Spray preventer for storage batteries. A. O. Codney. 1,844,499; Feb. 9.
Spray producing device. P. S. Case. 1,876,611; Sept. 13.
Spray stopper. I. H. Greene. 1,863,158; June 14.
Sprayer. A. A. Breuer. 1,868,518; July 26.
Sprayer. C. F. Buddenhagen. 1,873,817; Aug. 23.
Sprayer. M. D. Chesnut. 1,866,620; July 12.
Sprayer. F. A. Cuff and M. H. Keating. 1,885,332; Nov. 1.
Sprayer. K. A. Hudson. 1,851,281; Mar. 29.
Sprayer. A. W. Kezier. 1,851,235; Mar. 29.
Sprayer. F. C. Nelson. 1,865,203; June 28.
Sprayer. W. W. H. Pyn. 1,867,890; July 19.
Sprayer, Compensating. R. N. Chipman. 1,843,759; Feb. 2.
Sprayer construction, Liquid. R. M. Bagley. 1,875,841; Sept. 6.
Sprayer device. J. Fitch. 1,891,325; Dec. 20.
Sprayer, Powder. J. Slocum. 1,841,640; Jan. 19.
Sprayer, Power. F. H. Bateman and I. Trolley. 1,883,479; Oct. 18.
Sprayer, Revolving. D. Elder. 1,862,180; June 7.
Sprayer, Rotary. H. C. Lassen and H. Dahl. 1,876,250; Sept. 6.
Sprayer, Traction. J. C. Bogart. 1,886,369; Nov. 8.
Sprayer, Vegetable plant. V. and M. L. Donegan. 1,849,015; Mar. 15.
Spraying apparatus. L. W. Capser. 1,843,269; Feb. 2.
Spraying apparatus. C. P. McCormick. 1,864,505; June 21.
Spraying apparatus. K. A. Milar and D. L. Clinch. 1,869,975; Aug. 2.
Spraying apparatus. W. A. Ready. 1,859,797; May 24.
Spraying apparatus. W. P. Tarrant. 1,876,788; Sept. 13.
Spraying apparatus and method. J. D. Murray. 1,855,457; Apr. 26.
Spraying apparatus, Low pressure. E. F. Martinet. 1,843,899; Feb. 2.
Spraying apparatus, Portable. P. F. J. Rapp. 1,880,331; Oct. 4.
Spraying attachment. E. F. Martinet. 1,843,900; Feb. 2.
Spraying device. S. Deutsch. 1,884,183; June 21.
Spraying device. H. E. Dunn. 1,863,924; June 21.
Spraying device. A. C. Fawcett. 1,847,869; Mar. 1.
Spraying device. F. L. Gatchel. 1,848,708; Mar. 8.
Spraying device. E. E. Hansen. 1,873,398; Aug. 23.
Spraying device. W. Hermann. 1,875,729; Sept. 6.
Spraying device. S. Ishikawa. 1,854,613; Apr. 19.
Spraying device. W. J. Lynch. 1,847,404; Mar. 1.
Spraying device. R. K. Matlack. 1,887,416; Nov. 8.
Spraying device. E. Z. Munz. 1,873,625; Aug. 23.
Spraying device. E. B. Schmitt. 1,873,337; Aug. 23.
Spraying device. P. L. Wilbur. 1,869,992; Aug. 2.
Spraying device for centrifugals. E. Roberts. 1,843,697; Feb. 2.
Spraying device for paints, varnishes, etc. W. Hermann. 1,881,569–70; Oct. 11.
Spraying device for powdered material. I. J. Dugas. 1,880,244; Oct. 4.
Spraying device, Liquid. F. C. Nelson. 1,843,579; Feb. 2.
Spraying device, Vegetable. J. Tyler. 1,863,914; June 21.
Spraying machine. H. C. Cole. 1,854,886; Apr. 19.
Spraying machine, Automatic pan. S. P. Larson. 1,862,380; June 7.
Spraying method and machine. H. C. Cole. 1,888,791; Nov. 22.
Spraying system. J. A. Brooks. 1,863,919; June 21.
Spraying system. D. Edze. 1,868,632; July 26.
Spreader. J. W. Page. 1,850,767; Mar. 22.
Spreader. J. W. Page. 1,879,448; Sept. 27.
Spreader and emulsifier for spray compositions. F. F. Lindsteadt. 1,890,158; Dec. 6.
Spreader and evener attachment for motor graders. C. U. Bruner and W. S. Laughlin. 1,876,604; Sept. 13.
Spreader and hanger for wardrobe bags. W. D. Normandy. 1,886,574; Nov. 8.
Spreader clamp. E. A. Podd. 1,875,136; Aug. 30.
Spreader for fertilizers, seeds, and the like. E. L. Hallberg and H. J. Ryan. 1,887,017; Nov. 8.
Spreader for harvester threshers, Straw. A. B. Welty. 1,886,140; Nov. 1.
Spreader, Manure. A. Storm. 1,868,337; July 19.
Spreader, Mobile. F. D. Coppock. 1,892,566; Dec. 27.
Spreading apparatus. M. Wilderman. 1,891,790; Dec. 20.
Spreading machine. V. F. Baumgardner. 1,885,319; Nov. 1.
Spring; *See*—
Air spring.
Cambered spring.
Cantilever spring.
Coil spring.
Convoluted spring.
Front spring.
India-rubber spring.
Laminated spring.
Leaf spring.
Pneumatic spring.
Saddle spring.
Shuttle spring.
Spiral spring.
Valve spring.
Vehicle spring.
Vehicle suspension spring.
Spring. C. A. Brock. 1,867,647; July 19.
Spring. R. W. Davis. 1,880,861; Oct. 4.
Spring. C. A. Rasmussen. 1,888,469; Nov. 22.
Spring. O. R. Wikander. 1,860,122; May 24.
Spring actuating and control mechanism. C. C. Tomkinson. 1,871,016; Aug. 9.
Spring adjustment. G. R. Fassett. 1,876,138; Sept. 6.
Spring and shock absorber suspension, Vehicle. A. F. Hindman. 1,892,305; Dec. 27.
Spring and shock absorbing device, Hydraulic. E. J. Fischer. 1,872,919; Aug. 23.
Spring assembling machine. W. E. Wunderlich. 1,849,394; Mar. 15.
Spring assembly. F. Karr. 1,887,058; Nov. 8.
Spring assembly. R. C. Winders. 1,853,247; Apr. 12.
Spring assembly. R. F. Zimmerman. 1,860,699; May 31.
Spring assembly, Anti-rattle. H. Morley, J. C. Buchanan, and D. T. Sickelsteel. 1,881,843; Oct. 11.
Spring assembly for upholstery. L. A. Suekoff. 1,875,521; Sept. 6.
Spring attaching means. J. C. Doze. 1,863,193; June 14.
Spring belt tension adjuster. C. W. Marcellis. 1,847,720; Mar. 1.
Spring boot, Woven. J. M. Christman. 1,852,874; Apr. 5.
Spring clip, Adjustable. F. L. Main. 1,861,019; May 31.
Spring clip and snubber, Combined. W. Blackmore and E. Bell. 1,867,203; July 12.
Spring clip for ornaments and the like. I. W. Cooper. 1,875,420; Sept. 6.
Spring coiling method and means. G. C. Burd. 1,849,705; Mar. 15.

Spring compressor for removing poppet valves. R. B. Barber. 1,862,454; June 7.
Spring connection for vehicles. H. D. Church. 1,889,399; Nov. 29.
Spring construction. C. J. Hug. 1,856,764; May 3.
Spring construction. W. Kiwi. 1,882,427; Oct. 11.
Spring construction. C. G. Munn. 1,866,664; July 12.
Spring construction. H. W. Struss. 1,846,981; Feb. 23.
Spring construction. G. Sunley. 1,886,918; Nov. 8.
Spring construction. R. B. Zimmerman. 1,847,230; Mar. 1.
Spring construction and making same. O. Hetherington. 1,858,066; Nov. 22.
Spring construction, Cushion. A. C. Wisner. 1,839,821; Jan. 5.
Spring construction for chair seats or the like. M. Levine. 1,872,472; Aug. 16.
Spring construction for furniture. J. R. Thomas. Re18,560; Aug. 9.
Spring construction, Seat. J. W. Barber. 1,874,221; Aug. 30.
Spring construction, Vehicle. J. E. Wood. 1,853,592; Apr. 12.
Spring cushion, Coiled. D. S. Barnard. 1,883,470; Oct. 18.
Spring cushion construction. W. B. Foster. 1,872,922; Aug. 23.
Spring cushion inclosing shock absorbing means. A. Picco. 1,844,043; Feb. 9.
Spring cutting and hooking machine. M. Nigro. 1,873,686; Aug. 23.
Spring device. L. McK. Field. 1,866,762; July 12.
Spring device. R. Jackson. 1,881,277; Oct. 4.
Spring device. C. J. Nygar. 1,857,764; May 10.
Spring device for automatic vehicles. E. J. Fischer. 1,874,269; Aug. 30.
Spring device for automobiles, Hydraulic. E. J. Fischer. 1,878,450; Sept. 20.
Spring drive. G. E. LeCount. 1,891,101; Dec. 13.
Spring drive or coupling for the transmission of power. R. S. Hayks. A. 1,854,029; Oct. 25.
Spring end connection. F. J. Bechert. Re18,664; Nov. 22.
Spring expander. R. B. M. Bennett. 1,862,172; June 7.
Spring expander. A. P. Estes. 1,878,624; Sept. 20.
Spring for automobile seats, Auxiliary. E. Flentje. 1,839,306; Jan. 5.
Spring for doors, gates, and the like. H. A. Stevens. 1,861,888; June 7.
Spring for motor vehicles, Laminated. R. H. Smith. 1,870,787; Aug. 9.
Spring for piston rings, Expander. E. G. Buckmann. 1,887,257; Nov. 8.
Spring for tuft frames, Spool tension. C. C. Alvord. 1,876,573; Sept. 13.
Spring forming and assembling machine. D. T. Owen. 1,887,115; Nov. 8.
Spring forming machine. W. E. Wunderlich. 1,867,128; July 12.
Spring grader and moldboard. G. E. Dean. 1,876,867; Sept. 13.
Spring handle attachment for rock drills. W. H. Benedict. 1,845,857; Feb. 16.
Spring hanger, Making a. H. Miller. 1,872,319; Aug. 16.
Spring hinge. G. Bommer. 1,883,506; Oct. 18.
Spring leaves, Device for cambering. T. Zerbi. 1,851,884; Mar. 29.
Spring lifter, Valve. H. E. Lemmerman. 1,890,466; Dec. 13.
Spring mattress assembly. F. R. Zimmerman. 1,860,642; May 31.
Spring mechanism. E. L. Bronstien. 1,867,693; July 19.
Spring mechanism. C. Hankins. 1,840,506; Jan. 12.
Spring mechanism for automatic firearms. F. T. Moore and C. Peiffer. 1,852,057; Apr. 5.
Spring mechanism for trucks, Auxiliary. M. H. Martin. 1,883,385; Oct. 18.
Spring mechanism for trucks, Auxiliary. M. H. Martin. 1,883,742; Oct. 18.
Spring motor. G. O. Joyner. 1,890,609; Dec. 13.
Spring motor. U. R. Sewrey and F. E. Moffett. 1,851,066; Mar. 29.
Spring oiling machine. D. T. Owen. 1,843,240; Feb. 2.
Spring or resilient wheel. B. J. Garris. 1,846,958; Feb. 23.
Spring pad. A. H. Adams. 1,863,738; June 21.
Spring pad construction. E. Davis. 1,882,001; Oct. 11.
Spring pad construction. H. A. Steele. 1,849,888; Mar. 15.
Spring pressure contact element. R. E. Lyford. 1,886,205; Nov. 1.
Spring reaction neutralizer. G. M. Cross. 1,876,862; Sept. 13.
Spring retainer for shaft packings and the like. E. M. Phillips. 1,855,890; Apr. 26.
Spring retrieving reel. C. C. Crispen. 1,868,409; July 19.
Spring roller curtain control, Automatic. C. J. Kasper. 1,882,623; Oct. 11.
Spring seat. H. Freedman. 1,843,550; Feb. 2.
Spring shackle. W. E. Anders. 1,867,486; July 12.
Spring shackle. R. H. Chilton. 1,869,132; July 26.
Spring shackle. F. E. Fisher. 1,861,470; June 7.
Spring shackle. A. F. Gay. 1,853,043; Apr. 12.
Spring shackle. H. D. Geyer. 1,871,981; Aug. 16.
Spring shackle. J. W. Leighton. 1,852,321; Apr. 5.
Spring shackle. R. M. Riblet. 1,872,814; Aug. 23.
Spring shackle, Shock absorbing. J. H. Graham. 1,883,709; Oct. 18.
Spring structure. W. S. Costigan. 1,846,848; Feb. 23.
Spring structure. R. F. Ferguson. 1,872,715; Aug. 23.
Spring structure. S. Karpen and C. Lofman. 1,882,649; Oct. 11.
Spring structure. E. D. McNally. 1,863,450; June 14.
Spring structure. J. M. Oldham. 1,859,630; May 24.
Spring structure. C. S. Reed. 1,884,230; Oct. 25.
Spring structure. C. S. Reed. 1,889,264; Nov. 29.
Spring structure. C. W. Shoup. 1,850,035; Mar. 15.
Spring structure. G. A. Stackhouse. 1,846,370; Feb. 23.
Spring structure. F. R. Zimmerman. 1,846,835; Feb. 23.
Spring structure, Cushion. C. S. Reed. 1,889,263; Nov. 29.
Spring structure, Filament. H. M. Freeman and L. Sutherlin. 1,839,872; Jan. 5.
Spring structure for furniture. M. Thum. 1,876,101; Sept. 6.
Spring structures, Making. C. Kirchner. 1,881,672; Oct. 11.
Spring suitable for vehicles, Pneumatic. C. W. Caldwell. 1,878,756; Sept. 20.
Spring supporting and adjusting structure, Contact. H. E. Ashworth. 1,869,648; Aug. 2.
Spring suspension. H. W. Bell. 1,860,831; May 31.
Spring suspension. G. J. Fletcher. 1,860,280; May 24.
Spring suspension. R. C. Hoffman. 1,864,247; June 21.
Spring suspension. K. E. Lyman. 1,872,311; Aug. 16.
Spring suspension and bolster ensemble. R. Tevault. 1,850,530; Oct. 4.
Spring suspension and load equalizing means for motor vehicles, Compound. A. P. Buquor. 1,841,709; Jan. 19.
Spring suspension for motor vehicles. P. Lemaigre. 1,852,660; Dec. 27.
Spring suspension for motor vehicles, Compensating. A. P. Buquor. 1,857,234; May 10.
Spring suspension for six wheel vehicles. F. E. Davis. 1,842,074; Jan. 19.
Spring suspension for vehicles. O. Muller. 1,864,089; June 21.
Spring suspension of vehicles. T. Munro. 1,859,104–5; May 17.
Spring suspension system, Stabilizing. M. Afague. 1,890,892; Dec. 13.
Spring suspension, Road vehicle. A. I. Marcum. 1,860,470; May 31.
Spring suspension system. O. F. Lundelius. 1,845,162; Feb. 16.
Spring suspension, Vehicle. T. I. Duffy. 1,841,795; Jan. 19.
Spring suspension, Vehicle. E. J. Farkas. 1,850,004; Mar. 15.
Spring tension device for ribboners. E. B. Somers. 1,873,063; Aug. 23.
Spring tester. J. C. McGuckin. 1,874,780; Aug. 30
Spring tester, Main. E. F. Long. 1,881,756; Oct. 11.
Spring testing device. J. G. Collins. 1,850,742; Mar. 22.
Spring togzle. W. A. Huebener. 1,845,275; Feb. 16.
Spring toggle. H. W. Fleister. 1,849,804; Mar. 15.
Spring toggle, Torsional. J. Karitzky. 1,845,283; Feb. 16.
Spring trap. J. J. Henry. 1,844,220; Feb. 9.
Spring turning mechanism. B. R. Schneider and K. Kaiser. 1,858,211; May 10.
Spring washer. J. Berge. 1,876,834–5; Sept. 13.
Spring washer. E. D. Cowlin. 1,867,251; July 12.
Spring washer, Helical. F. R. McCrudden. 1,849,406; Mar. 15.
Spring washer, Multiple coil. E. D. Cowlin. 1,886,791; Nov. 8.
Spring winding machine. M. Nigro. 1,857,860; May 10.
Spring wire reel. C. N. Crocker. 1,850,315; Mar. 22.
Springing for vehicles. M. Wagner. 1,889,508; Nov. 29.
Springing system for power driven vehicles. H. Kratky. 1,888,989; Nov. 29.
Springs. Adjusting vehicle. W. C. Dunn. 1,880,343; Oct. 4.
Springs, Apparatus for and method of manufacturing. C. H. Peterson. 1,869,501; Aug. 2.
Springs, Device for stressing. M. Rüping. 1,890,415; Dec. 6.
Springs, Interlocking coiled. W. Lewis. 1,890,738; Dec. 13.
Springs, Making noncorrodible. V. B. Browne. 1,881,997; Oct. 11.
Springs, Method and implement for expanding. J. N. White. 1,866,782; July 12.
Springs to a support, Means to secure coiled. D. S. Barnard. 1,871,440; Aug. 16.
Springs, Tying. C. Dietrich. 1,854,503; Apr. 19.
Springs, Vehicle. G. Menger. 1,882,024; Oct. 11.
Springs while lacing, Apparatus for holding coil. H. H. Poyner. 1,864,216; June 21.
Sprinkler; *See*—
Automatic sprinkler.
Fertilizer sprinkler.
Lawn sprinkler.
Rotary sprinkler.
Rotatable sprinkler.
Slow-motion reaction sprinkler.
Water sprinkler.
Sprinkler. W. H. Coles and B. J. Nelson. 1,864,892; June 28.

Sprinkler. W. H. Coles and B. J. Nelson. 1,871,258; Aug. 9.
Sprinkler. M. F. Grosser. 1,848,948; Mar. 8.
Sprinkler. M. C. Ludlam. 1,862,576; June 14.
Sprinkler. A. S. Lyndon. 1,889,257; Nov. 29.
Sprinkler. M. W. McArdle. 1,847,406; Mar. 1.
Sprinkler and lawn sweeper. M. T. Coelho. 1,877,388; Sept. 13.
Sprinkler distributor. L. A. Phillips. 1,877,046; Sept. 13.
Sprinkler for irrigating extensive surfaces, Traveling lawn. W. W. Moyer. 1,885,620; Nov. 1.
Sprinkler head. W. W. Bowers. 1,847,921; Mar. 1.
Sprinkler head. W. M. Robinson, D. E. Lindquist, H. K. Rader, and L. M. Young. 1,882,922; Oct. 18.
Sprinkler head. A. C. Rowley. 1,849,316; Mar. 15.
Sprinkler head for an underground water-system. A. J. Miller. 1,845,618; Feb. 16.
Sprinkler head having a removable nozzle unit. W. Van E. Thompson. 1,875,780; Sept. 6.
Sprinkler support. E. Maywald and E. A. Roberts. 1,850,023; Mar. 15.
Sprinkler systems, Retard device for. L. A. Grimes. 1,890,390; Mar. 22.
Sprinkler systems, Testing device for. H. F. Gewalt. 1,875,283; Aug. 30.
Sprinkling system. F. M. Pottenger, jr. 1,855,647; Apr. 26.
Sprinkling system for use with concrete paving machines. A. F. Johnson. 1,865,109; June 28.
Spud and plug assembly. T. R. Freitag and K. W. Marderosteck. 1,842,260; Jan. 19.
Spur. F. H. Boos. 1,882,059; Oct. 11.
Spur gear connecting it to a sheet. W. J. Brown. 1,840,764; Jan. 12.
Sputum cup. W. J. Kenyon. 1,850,015; Mar. 15.
Sprocket. L. S. Frappier and E. Boecking. 1,884,646; Oct. 25.
Sprocket and chain construction. E. P. Engstrom. 1,870,801; Aug. 9.
Sprocket feed mechanism. Perforated strip. A. S. Howell. 1,882,014; Oct. 11.
Sprocket wheel. W. G. and O. R. Humphreys. 1,853,308; Apr. 12.
Square and ruler, Combination. D. Celenza. 1,882,354; Oct. 11.
Square attachment. R. A. Zoll. 1,843,858; Feb. 2.
Square, Combination. J. E. Mosley. 1,841,972; Jan. 19.
Squash plate mechanism. W. Huisebos. 1,842,322; Jan. 19.
Squeegee and wringer mop. H. Hertzberg. 1,848,482; Mar. 8.
Squeeze roll. G. R. Keltie. 1,865,260; June 28.
Squeezer and food holder, Combination citrus fruit. C. S. Conlon. 1,858,435; May 17.
Squeezer, Fruit. W. J. Bailey. 1,840,182; Jan. 5.
Squeezer, Pressure fruit. H. Tessandori. 1,855,369; Apr. 26.
Squirrel cage induction machine. D. B. Hoseason. 1,841,122; Jan. 12.
Stabilized composition. G. D. Patterson. 1,889,130; Nov. 29.
Stabilizer for airplane control levers, Automatic. H. M. Salisbury and A. E. Miller. 1,842,952; Jan. 26.
Stabilizer for airplanes, Automatic aerodynamic. O. E. Bemberg. 1,890,363; Dec. 6.
Stabilizer for bedsprings. J. T. Atkinson. 1,842,003; Jan. 19.
Stabilizer for dental motor controls. T. E. Braly. 1,852,402; Apr. 12.
Stabilizer for glider seats. W. F. Williams. 1,885,663; Nov. 1.
Stabilizer for lead chromate pigments. J. W. Gilbert. 1,882,804; Oct. 18.
Stabilizer for motor vehicles. P. Wilmart. 1,866,958; July 12.
Stabilizer for motor vehicles, Hydraulic. G. Dalmace and L. Jacquet. 1,841,791; Jan. 19.
Stabilizer for road graders. E. E. Burns. 1,853,115; Apr. 12.
Stabilizer, High frequency. L. A. Hyland. 1,873,842; Aug. 23.
Stabilizer, Motor controlled. E. A. and E. A. Field, jr. 1,855,228; Apr. 26.
Stabilizer, Pulsating pressure. W. C. Elliott. 1,855,880; Apr. 26.
Stabilizer, Steering mechanism. W. E. Plank. 1,868,912; July 26.
Stabilizing and propelling apparatus for land, sea, and air craft. H. J. Stone. 1,840,541; Jan. 12.
Stabilizing apparatus. J. M. Boykow. 1,869,840; Aug. 2.
Stabilizing apparatus. N. Minorsky. 1,853,069; Apr. 12.
Stabilizing apparatus for aeroplanes. L. Marmonier. 1,876,254; Sept. 6.
Stabilizing device for aircraft. J. F. O'Malley. 1,862,421; June 7.
Stabilizing device for airships. A. Schwarz. 1,853,233; Apr. 12.
Stabilizing device for ships. H. Hort. 1,888,667; Nov. 22.
Stabilizing means for concrete mixers. A. P. Robinson. 1,852,436; Apr. 5.
Stable cleaning apparatus. I. B. Anderson. 1,843,593; Feb. 2.
Stable receiving system. H. F. Elliott. 1,841,019; Jan. 12.
Stack control. F. J. Ryan. 1,843,840; Feb. 2.
Stack for producing forced draft. H. M. Wolf. 1,892,417; Dec. 27.
Stacker. C. D. Howey. 1,858,089; May 10.
Stacker. A. L. Washburne. 1,870,207; Aug. 2.
Stacker attachment for corn huskers. A. Rosenthal. 1,886,906; Nov. 8.
Stacker for box blanks. H. B. Greenwood. 1,868,384; July 19.
Stacking apparatus. W. C. Bridges. 1,858,183; May 10.
Stacking apparatus. S. J. Finn. 1,846,324; Feb. 23.
Stacking apparatus. R. C. Simmons. 1,851,454; Mar. 29.
Stacking machine. B. Bogoslowsky. 1,887,008; Nov. 8.
Stacking mechanism for printing machines. F. M. Carroll. 1,880,418; Oct. 4.
Stage arrangement, Power. G. L. Usselman. 1,876,106; Sept. 6.
Stage decorating. R. Brenner. 1,848,692; Mar. 8.
Stage, Floating landing. C. W. King. 1,854,336; Apr. 19.
Stage lift-flowing device. A. Boynton. 1,884,549–50; Oct. 25.
Stage or screen modifier. E. J. Vallen. 1,857,673; May 10.
Stage setting. P. Clark and G. Vail. 1,883,573; Oct. 18.
Stage settings, Photographic. A. Grot. 1,890,053–4; Dec. 6.
Staining apparatus. S. B. Howe. 1,843,157; Feb. 2.
Stair construction. J. R. O'Donnell. 1,888,686; Nov. 22.
Stair for railroad coaches and the like. E. S. Eberlein. 1,864,053; June 21.
Stair, Movable. A. Cicilioni. 1,870,603; Aug. 9.
Stair rail T, Adjustable. C. J. Sommer. 1,839,711; Jan. 5.
Stair structure. J. Amann. 1,870,598; Aug. 9.
Stair tread grooving machine. M. J. Jennings. 1,845,666; Feb. 16.
Stairway. A. J. Hall. 1,862,958; June 14.
Stairway, Concealed. B. Frazier. 1,883,777; Oct. 18.
Stairway, Disappearing. F. E. Bessler. 1,858,981; May 17.
Stairway, Disappearing. F. E. Bessler. 1,867,904; July 19.
Stake and holder therefor. E. Meininghaus. 1,845,092; Feb. 16.
Stake for freight cars, Intermediate side. W. E. Wine. 1,883,434; Oct. 18.
Stake for logging bunks. F. W. Chriswell. 1,852,448; Apr. 5.
Stake, Plant. C. B. Smaltz. 1,868,371; July 19.
Stalk cutter. E. L. Caldwell. 1,882,272; Oct. 11.
Stalk cutter. W. J. Michalka. 1,887,818; Nov. 15.
Stalk cutting apparatus. S. W. McBirney. 1,859,783; May 24.
Stalk lifter. N. D. Colvin. 1,877,271; Sept. 13.
Stall, Animal. H. L. Ferris. 1,890,980; Dec. 13.
Stall construction. E. G. Hibbs and D. D. Miller. 1,839,313; Jan. 5.
Stall for animals. B. D. Scott. 1,873,493; Aug. 23.
Stall for starting race horses. C. M. Waite. 1,871,639; Aug. 16.
Stall or stanchion. H. C. Rassmann. 1,888,608; Nov. 22.
Stamp. J. Levy. 1,869,339; July 26.
Stamp. L. Melind. 1,879,387; Sept. 27.
Stamp affixer. I. O. Rubino. 1,845,766; Feb. 16.
Stamp affixing machine. E. W. Gmelin and A. Gay. 1,877,849; Sept. 20.
Stamp, Hand. H. Smallman. 1,878,900; Sept. 20.
Stamp, Hand. E. P. Smith. 1,839,352; Jan. 5.
Stamp, Marking. D. H. Hardy. 1,879,932; Sept. 27.
Stamp, Meat. H. H. McKee. 1,843,098; Jan. 26.
Stamp mold, Vented. R. Evans. 1,887,403; Nov. 8.
Stamp rack. R. Evans. 1,880,947; Oct. 4.
Stamp, Rubber printing. L. P. Selden. 1,869,868; Aug. 2.
Stamp, Time. R. H. Thompson and L. Graves. 1,872,049; Aug. 16.
Stamping apparatus, Hand. J. H. Hoeing. 1,860,580; May 31.
Stamping device. R. M. Dugdale. 1,852,644–5; Apr. 5.
Stamping machine. W. Pannier, jr., O. M. Pannier, and J. F. Mon. 1,860,115; May 24.
Stamping machines, Apparatus for operating. J. C. Hinds. 1,881,578; Oct. 11.
Stamping or labeling machine. C. G. Maxwell. 1,856,576; May 3.
Stamps, Turning roll for dating. H. Smallman. 1,847,143–4; Mar. 1.
Stanchion. C. F. Hanson. 1,876,141; Sept. 6.
Stanchion. J. J. Rickey. 1,886,741; Nov. 8.
Stanchion, Cattle. A. L. Kvenvold. 1,843,328; Feb. 2.
Stanchion, Cattle. J. H. Sutton. 1,857,412; May 10.

Stanchion, Traffic. M. J. McCaughley. 1,875,878; Sept. 6.
Stand: *See*—
Bleacher stand.
Boiler stand.
Book stand.
Bow and arrow stand.
Building stand.
Cage supporting stand.
Camera stand.
Card display stand.
Christmas tree stand.
Copy holding stand.
Desk calendar stand.
Desk stand.
Display stand.
Emery wheel stand.
Fabricated metal ground stand.
Floral display stand.
Foldable stand.
Folding stand.
Fountain pen desk stand.
Grinder stand.
Hammock stand.
Index stand.
Ink stand.
Jack stand.
Lamp stand.
Limb rest stand.
Lunch stand.
Mail box stand.
Mattress stand.
Microscope stand.
Music stand.
Ornamental stand.
Plant stand.
Portable repair stand.
Portable stand.
Posting stand.
Printer's collating stand.
Refreshment stand.
Sadiron stand.
Smoker's stand.
Spool stand.
Study stand.
Supporting stand.
Switch stand.
Tire stand.
Title stand.
Toilet stand.
Tool stand.
Tree stand.
Work stand.
Stand. H. D. Jackson. Des. 87,063; May 31.
Stand. W. H. Stansberry. 1,885,752; Nov. 8.
Stand and beverage set. Combination. B. Orenstine, 3.
L. Schlesinger and H. Heinschrieber. Des. 88,104; Oct. 25.
Stand and card. Display. T. O'Rourke. 1,881,372; Oct. 4.
Stand and holder for smokers' articles, Combination pipe. H. F. Semrau. Des. 86,482; Mar. 8.
Stand and leaf turner, Music. R. Robson. 1,846,066; Feb. 23.
Stand and radiocabinet, Combination lamp. J. G. Teichman. Des. 87,244; Aug. 9.
Stand and telephone directory secretary. Combined telephone. J. G. Hunter. Des. 87,879; Oct. 4.
Stand attachment for fountain pens. K. Platzer. 1,870,924; Aug. 9.
Stand footrest construction, Bootblack. L. Frye. 1,885,030; Nov. 1.
Stand for a chair, Detachable serving. I. Novick. Des. 86,535; Mar. 15.
Stand for a duplicating machine or the like. J. J. Flanigan. Des. 86,673; Apr. 5.
Stand for a duplicating machine or the like J. J. Flanigan. Des. 87,002; May 24.
Stand for bowling machines. D. P. Rowland. Des. 86,542; Mar. 15.
Stand for cameras and the like. D. C. Beidler and A. J. Vitsen. 1,849,113; Feb. 9.
Stand for coffee makers, Heater. F. E. Wolcott. Des. 87,182; June 14.
Stand for collapsible tubes, Supporting. F. Wolf. 1,859,323; May 24.
Stand for flexible posters. R. F. Landwehr and N. M. Laurilla. 1,842,274; Jan. 19.
Stand for garbage cans and similar articles, Knockdown. W. Mandel. 1,845,883; Feb. 16.
Stand for golf bags, Portable. H. W. May. 1,863,022; June 14.
Stand for hectograph duplicating machines. E. E. McNally. 1,852,359; Apr. 5.
Stand for kitchen utensil. C. S. Glenny. 1,874,498; Aug. 30.
Stand for lamps, C. Mayer. 1,851,199; Mar. 29.
Stand for looms, Sheave. A. A. Gordon. 1,852,078; Apr. 5.
Stand for musical instruments, Foldable. J. L. Ganson. 1,859,729; May 13.
Stand for poultry fountains. K. Hughes and J. Williams. 1,879,264; Sept. 27.
Stand for race tracks, Grand. P. G. Bennett. 1,842,239; Jan. 19.
Stand for supporting coffee pots. A. R. Finch. 1,881,428; Oct. 4.
Stand for the display of goods. J. Ehrlich. 1,878,765; Sept. 20.
Stand of watches. H. Reitz. 1,877,532; Sept. 13.
Stand or holder. G. P. Drewett. Des. 86,517; Mar. 15.
Stand or similar article, Display. H. Boyar. Des. 86,994; May 24.
Stand or similar article, Display. C. A. Philippi. Des. 87,170–1; June 14.
Stand or similar article, Refreshment. J. R. Connery. Des. 88,501; Dec. 6.
Stand or similar article, Smoker's. W. L. Wallis. Des. 88,741; Dec. 20.
Stand or table. C. Huntley. 1,858,857; May 17.
Standpipe and manufacture thereof, Turret. J. T. Corley. 1,856,241; May 3.
Standpipe system. W. F. Conran. 1,862,109–10; June 7.
Standpipe system. F. W. Frost. 1,887,631; Nov. 15.
Standpipe, Valve controlled. J. T. Corley. 1,880,826; Oct. 4.
Stand swivel, Fountain pen. A. C. Rehberger. 1,844,334; Feb. 9.
Stands and the like, Attachment for. C. R. Sentney. 1,858,752; May 17.
Stands for lawn mowers, Display. L. B. Roth. 1,889,378; Nov. 29.
Standard, Athletic. D. W. Merriman. 1,887,033; Nov. 8.
Standard for desk tops, Supporting. W. M. Hanson. 1,875,377; Sept. 6.
Standard for street lights or other articles. J. F. Ferm. Des. 87,742; Sept. 13.
Standard for suction cleaners, Supporting. D. B. Replogle. 1,884,865; Oct. 25.
Standards, Method of and apparatus for anchoring. F. W. Weltz. 1,857,489; May 10.
Staple and driving the same. C. B. Goodstein. 1,868,100; July 19.
Staple, Cable. S. N. Buchanan. 1,855,471; Apr. 26.
Staple clincher. F. Anway. 1,842,814; Jan. 26.
Staple fastening machine, Work or. C. E. Conner and E. P. Libbey. 1,853,722; Apr. 12.
Staple forming and inserting machine. L. S. Macdonald. 1,852,919; Apr. 5.
Staple forming and inserting machine. C. A. Robinson. 1,889,219; Nov. 29.
Staple, Nonspreading. R. M. Guthrie. 1,888,265; Nov. 22.
Stapling device. P. Switzeny. 1,865,597; July 5.
Stapling machine. A. Bleyney. 1,859,951; May 24.
Stapling machine. E. Craig. 1,841,522; Jan. 19.
Stapling machine. J. B. Crofoot. 1,846,545; Feb. 23.
Stapling machine. A. B. Dick. 1,851,621; Mar. 29.
Stapling machine. C. A. Flood. 1,854,647; Apr. 19.
Stapling machine. O. D. Gibbs. 1,881,474; Oct. 11.
Stapling machine. I. R. Metcalf. 1,845,617; Feb. 16.
Stapling machine. W. F. Newhouse. 1,853,633; Apr. 12.
Stapling machine. L. Obstfeld and W. Drypolcher. 1,887,231; Nov. 15.
Stapling machine. W. Raeburn. 1,845,186; Feb. 16.
Stapling machine. W. B. Ranney. 1,874,622; Aug. 30.
Stapling machine. M. Vogel. 1,846,165; Feb. 23.
Stapling machine or tacker. A. H. Maynard. 1,879,987; Sept. 27.
Stapling mechanism. I. W. Litchfield. 1,851,677; Mar. 29.
Star finder. W. E. Johnson. 1,873,595; Aug. 23.
Star wheel. J. S. Wright. 1,845,353; Feb. 2.
Starch and making same, Thin boiling. C. Bergquist. 1,871,027; Aug. 9.
Starch, Method of and mechanism for conditioning. H. W. Hartigan. 1,873,844; Aug. 23.
Starch which swells in cold state, Preventing the formation of lumps or clods when dissolving. J. W. Haake. 1,865,048; Apr. 19.
Starches adapted to form an adhesive when mixed with cold water, Producing powderous swelling. E. F. Hoppler and J. W. Haake. 1,878,852; Sept. 20.
Starches and making same, Modified. C. Bergquist. 1,851,749; Mar. 29.
Start-stop mechanism. R. D. Salmon. 1,879,525; Sept. 27.
Starter. W. C. Starkey. 1,887,982; Nov. 15.
Starter and re-starter for engines. L. H. Middleton. 1,875,192; Aug. 30.
Starter, Auto. J. N. Walker. 1,866,737; July 12.
Starter control for gas engines. F. J. Routledge. 1,882,948; Oct. 18.
Starter, Cranking shaft driven. V. C. Hodges. 1,852,612; Apr. 5.
Starter device. D. T. Brownlee. 1,858,617; May 17.
Starter drive, Motor. O. H. Howard. 1,881,053; Oct. 4.
Starter, Electric. C. P. Brockway. 1,862,921; June 14.
Starter, Engine. R. Abell. 1,874,841; Aug. 30.
Starter, Engine. R. Bertelsen, Jr. 1,869,088; July 26.
Starter, Engine. H. Burton. 1,880,769; Oct. 4.
Starter, Engine. R. Chilton. 1,855,281; Apr. 26.
Starter, Engine. F. G. Diago. 1,879,130; Sept. 27.
Starter, Engine. E. A. Fridley. 1,867,662; July 19.
Starter, Engine. V. C. Hodges. 1,852,653; Apr. 5.
Starter, Engine. M. B. Jackson and K. M. Clipsham. 1,874,298; Aug. 30.
Starter, Engine. M. B. Jackson and K. M. Clipsham. 1,892,056; Dec. 27.
Starter, Engine. E. R. Kuhls. 1,871,892; Aug. 16.
Starter, Engine. R. P. Lansing. Re18,496; June 14.
Starter, Engine. W. P. Loudon. 1,855,718; Apr. 26.
Starter, Engine. W. L. McGrath. 1,855,000; Feb. 9.
Starter, Engine. W. L. McGrath. 1,883,389; Oct. 18.
Starter, Engine. W. L. McGrath and M. P. Whitney. 1,883,388; Oct. 18.
Starter, Engine. F. H. Ragan. 1,843,987; Feb. 9.
Starter, Engine. T. C. Sayles. 1,883,411; Oct. 18.
Starter, Engine. V. Sekelda. 1,883,417; Oct. 18.
Starter, Engine. R. E. Slayton. 1,884,895; Oct. 25.
Starter, Engine. F. A. Vastano. 1,888,300; Nov. 22.
Starter, Engine. M. P. Whitney. 1,845,000; Feb. 9.
Starter, Engine. M. P. Whitney. 1,883,430–1; Oct. 18.
Starter for electric motors, Automatic. H. P. Chandler. 1,849,280–1; Mar. 15.
Starter for engines. W. C. Starkey and D. T. Brownlee. 1,846,766; Feb. 23.
Starter for internal combustion engines. L. Vingberoets. 1,840,547; Jan. 12.
Starter for internal combustion motors. F. A. Vastano. Re18,554; Aug. 2.
Starter for motor vehicles, Automatic. J. J. Miscera. 1,852,818; Apr. 5.

Starter, Internal combustion engine. V. C. Hodges. 1,855,632; Apr. 26.
Starter, Internal combustion engine. L. M. Woolson. 1,884,479; Oct. 25.
Starter means for internal combustion engines, Reversing. G. W. Codrington. 1,844,543; Feb. 9.
Starter mechanism. E. R. Wharton. 1,845,637; Feb. 16.
Starter mechanism for internal combustion engines. A. Low. 1,879,926; Sept. 27.
Starter, Motor. H. L. Meeder. 1,889,995; Dec. 6.
Starter switch, Automatic. W. S. Smith. 1,841,684; Jan. 12.
Starter, Synchronous motor. H. L. Wilcox. 1,874,076; Aug. 30.
Starters, Antifreezing tip for. B. W. Jones. 1,854,039; Apr. 12.
Starting and reversing device for multi-cylinder internal combustion engines. E. O. P. Thege. 1,866,234; July 6.
Starting and reversing switch, Combined. V. G. Apple. 1,885,062; Nov. 15.
Starting and stopping device. B. F. Berry. 1,865,814; July 5.
Starting apparatus. J. Bijur. 1,883,331; Oct. 18.
Starting apparatus, Engine. J. B. Dyer and J. W. Lawson. 1,871,966; Aug. 16.
Starting apparatus, Engine. R. M. Nardone. 1,864,256; June 21.
Starting apparatus, Engine. R. M. Nardone. 1,878,421; Sept. 20.
Starting attachment, Motor vehicle. U. U. Ulam and O. Lykman. 1,845,855; Feb. 16.
Starting device. W. Lingo. 1,862,410; June 7.
Starting device, Automatic. H. P. Chandler. 1,847,521; Mar. 1.
Starting device for engines. E. H. Fahrney. 1,858,583; May 17.
Starting device for internal combustion engines. J. E. Shepherd and J. R. Price. 1,841,643; Jan. 19.
Starting device for internal combustion engines. A. Gerelli. 1,857,209; Nov. 15.
Starting device for mercury arc rectifiers. M. Urbinati. 1,885,495; Nov. 1.
Starting device for motors. Jordan, Richard H. 1,783,175; Dec. 2, 1930.
Starting device, Steam engine. R. F. Knight. 1,877,893; Sept. 20.
Starting engines, Automatic means for. H. H. Trail. 1,857,483; Nov. 8.
Starting internal-combustion engines, Apparatus for. C. F. Ball. 1,862,999; June 14.
Starting means for internal combustion engines, Automatic. H. L. Hess. 1,880,830; Oct. 4.
Starting mechanism. A. P. Kearney. 1,870,366; Aug. 9.
Starting mechanism. M. P. Whitney. 1,883,432; Oct. 18.
Starting mechanism, Engine. D. P. Kearney. 1,870,367; Aug. 9.
Starting mechanism, Engine. R. P. Lansing. 1,848,361; Mar. 8.
Starting mechanism for internal combustion engines. Y. Sekella. 1,883,416; Oct. 18.
Starting mechanism for motor vehicles. F. Leyvastre. 1,879,578; Sept. 27.
Starting mechanism for motor vehicles. F. Leyvastre. 1,882,022; Oct. 11.
Starting motor. H. Sutter. 1,870,075; Aug. 2.
Starting of internal combustion engines of the liquid fuel injection compressionig ignition type, Facilitating. H. R. Ricardo. 1,870,225; Sept. 20.
Starting switch. E. Chapman. 1,884,571; Oct. 25.
Starting switch, Automobile. H. H. Waddell. 1,878,920; Sept. 20.
Starting system. D. Firth. 1,860,356; May 31.
Starting system for internal combustion engines, Electrical. H. D. Stecher. 1,845,767; Feb. 16.
Static and interference eliminator control unit for guard-drain circuits. A. G. Anderson. 1,864,882; June 28.
Static electricity in film cameras, Dissipation of. E. H. Coriett and C. M. Smith, jr. 1,848,871; Mar. 8.
Static eliminator for printing presses. C. A. Frick. 1,844,277; Feb. 9.
Static ellipse tube. E. Teel. 1,857,069; May 3.
Station and platform, Loading. F. E. McCain. 1,858,407; May 17.
Station, Automatic. G. Maher. 1,841,542; Jan. 19.
Station calling device. E. Brauer. 1,888,904; Nov. 22.
Station, Dispensing. H. du P. Baldwin and C. L. Stafford. 1,851,535; Mar. 29.
Station for close-sea signaling cables, Amplifier. H. Station indicator. P. Borowsky. 1,840,692; Jan. 12.
Station indicator. G. B. Rullman. 1,853,458; Apr. 12.
Stationary boiler. Simon. 1,853,935; Apr. 12.
Station, Service. R. C. Pattison. Des. 86,264; Feb. 16.
Stationery adapted to be bound in book form, Folded. R. F. Power. 1,852,223; Apr. 12.
Stationery rack. C. W. Muller. 1,868,756; July 26.
Hunkel. 1,877,511; Sept. 13.
Stator and roller plates, Making. L. Hammond. 1,873,397; Aug. 23.
Stator with glass lining. Insulation incased. V. G. Apple. 1,875,206; Aug. 30.
Statue or article of analogous nature. F. V. Mengarini. Des. 86,577; Mar. 22.
Statuette or analogous article. L. de Wit. Des. 87,827; Sept. 27.
Statuette or analogous article. H. N. Rice. Des. 87,773; Sept. 13.
Statuette or similar article. M. Abel. Des. 86,875; May 3.
Statuette or similar article. F. H. House. Des. 86,603; Mar. 29.
Statuette or similar article. H. U. Iwerks. Des. 86,234; Feb. 16.
Statuette or similar article. M. N. Neugass. Des. 87,314; July 5.
Statuette or similar article. J. Prohonas. Des. 86,637; Mar. 29.
Statuette or similar article. H. Underberg. Des. 86,901; May 3.
Statuette or the like. J. A. Connolly. Des. 86,514; Mar. 15.
Stave, Building. G. E. Priest. 1,882,301; Oct. 11.
Stave jointing machine. N. P. Spayd. 1,878,550; Sept. 20.
Stay bolt. A. F. Pitkin. 1,874,347; Aug. 30.
Stay bolt. T. S. Wheelwright. 1,868,083-4; July 19.
Stay for citrus fruit boxes, Compression. J. L. George. 1,889,092; Nov. 29.
Stay for corsets and other articles. I. Panes. 1,845,899; Feb. 16.
Stay, Tie and collar. W. F. Ramont. 1,875,886; Sept. 6.
Steadyrest. Fluid pressure operated. R. A. Cole. 1,885,223; Nov. 1.
Steak and method of producing same. H. F. Taylor. 1,864,284-5; June 21.
Steam and water mixer. L. J. Dornhofer. 1,886,534; Nov. 8.
Steam, Apparatus for generating. W. D. LaMont. 1,849,979; Oct. 25.
Steam bath furnace. J. G. Hulme. 1,857,024; May 3.
Steam boiler. F. J. Curran and W. McClellan. 1,882,211; Oct. 11.
Steam boiler. W. A. Hagstrum. 1,848,878; Mar. 8.
Steam boiler. I. Harter. 1,883,371; Oct. 18.
Steam boiler. W. Huntemuller. 1,875,608; Sept. 6.
Steam boiler. D. S. Jacobus. 1,851,010; Mar. 29.
Steam boiler. D. S. Jacobus. 1,855,716; Apr. 26.
Steam boiler. H. J. Kerr. 1,861,965; June 7.
Steam boiler. P. D. Kilbury. 1,840,235; Jan. 5.
Steam boiler. E. C. Kline. 1,872,464; Aug. 16.
Steam boiler. I. L. Langvand. 1,874,552; Aug. 30.
Steam boiler. A. Lipetz. 1,843,289; Feb. 2.
Steam boiler. A. Lipetz. 1,864,310; June 21.
Steam boiler. E. E. Noble. 1,881,879; Oct. 11.
Steam boiler. C. A. Seley. 1,856,732; May 3.
Steam boiler. W. Wenderholm. 1,886,183; Apr. 12.
Steam boiler, Electric. S. N. Coates. 1,874,244; Aug. 30.
Steam boiler, Mercury condenser water tube. W. A. Jones. 1,864,837; June 28.
Steam boiler, Nonpriming. A. C. Crawford. 1,840,386; Jan. 12.
Steam boiler, Rotating. J. V. Blomquist. 1,855,819; Apr. 26.
Steam boiler, Superheater. D. S. Jacobus. 1,890,784; Dec. 13.
Steam boiler, Water tube. G. W. Bach. 1,840,426; Jan. 12.
Steam chest construction for steam turbines. F. W. Kennedy. 1,889,554; Nov. 29.
Steam compress heater. C. D. Threlkeld. 1,879,831; Sept. 27.
Steam cooking apparatus and closure therefor. K. Müller and P. Arnold. 1,844,970; Feb. 16.
Steam cooking pot. A. Hainlen. 1,846,964; Feb. 23.
Steam cylinder drier, Four-in-one. C. H. Burris. 1,882,405; Oct. 11.
Steam distillation, High vacuum. E. G. Ragatz. 1,847,625; Mar. 1.
Steam distillation, High vacuum. P. Subkow. 1,848,051; Mar. 1.
Steam engine. H. J. Titus and J. S. Wallis. 1,870,303; Aug. 9.
Steam engine, Rotary. E. C. Duer. 1,856,542; May 3.
Steam flow regulation. V. F. Davis. 1,889,800; Dec. 6.
Steam from an economizer to a boiler, Apparatus for conducting. D. S. Jacobus. 1,847,691; Mar. 1.
Steam from locomotive engines, Device for the exhaust of the. M. Lemaitre. 1,855,976; Apr. 26.
Steam generating and superheating. J. E. Bell. 1,889,031; Nov. 29.
Steam generating and superheating apparatus. J. E. Bell. 1,889,973; Nov. 29.
Steam generating apparatus. M. Resek. 1,871,859; Aug. 16.
Steam generating device. G. H. Chamberlain, jr. 1,864,800; June 28.
Steam generating installation. G. P. Jackson. 1,866,307; July 5.
Steam generating installation. J. D. Mattimore. 1,882,232; Oct. 11.
Steam generating plant. V. W. Mason. 1,869,602; Aug. 2.
Steam generating plant indirectly heated by a circulating heat carrier. O. Engler. 1,847,001; Feb. 23.
Steam generating plants especially for locomotives, Apparatus for regulating the operation of. F. Wempe. 1,878,217; Sept. 20.
Steam generating system. H. J. Kerr. 1,889,071; Nov. 29.
Steam generating system, Electric. E. E. Kittredge, J. A. Forster, and R. D. Johansen. 1,839,764; Jan. 5.

Steam, Generating working. W. Abendroth and H. Gleichmann, 1,886,076; Nov. 1.
Steam generation. W. D. LaMont, 1,866,893; July 12.
Steam generation, Method of and apparatus for controlling. C. Föbl, 1,867,143; July 12.
Steam generator. G. B. Ashworth, 1,857,831; May 10.
Steam generator. H. J. E. Banck, 1,885,071; Oct. 25.
Steam generator. K. Baumann, 1,877,640; Sept. 13.
Steam generator. L. S. Chadwick and M. Reseck, 1,843,914; Feb. 9.
Steam generator. L. E. Connelly, 1,853,958; Apr. 12.
Steam generator. L. E. Connelly, 1,862,367; June 7.
Steam generator. F. L. Duffield, 1,842,935; Jan. 26.
Steam generator. W. H. Hardie, 1,876,291; Sept. 6.
Steam generator. J. Harvey, 1,878,153; Sept. 20.
Steam generator. A. T. Herpen, 1,874,527; Aug. 30.
Steam generator. H. J. Kerr, 1,889,072; Nov. 29.
Steam generator. H. J. Kerr and J. Fletcher, 1,855,298; Oct. 18.
Steam generator. J. Kölling, 1,889,074; Nov. 29.
Steam generator. W. D. La Mont, 1,860,363; May 31.
Steam generator. W. G. Noack, 1,890,468; Dec. 13.
Steam generator. S. Paul, 1,885,374; Nov. 1.
Steam generator. A. Schneider, 1,855,001; Apr. 19.
Steam separator. C. C. Thomas, 1,889,938; Dec. 6.
Steam generator. T. Vuia, Garches, and E. Yvonneau, Paris, France, 1,843,240; Jan. 12.
Steam generator. R. M. Warfield, 1,883,145; Oct. 18.
Steam generator and process. J. E. Black, 1,882,750; Oct. 18.
Steam generator and sprayer for bakery ovens. M. Watter, 1,878,353; Sept. 20.
Steam generator, Automotive. R. R. McKnight and A. Webber, 1,851,715; Mar. 29.
Steam generator, Electric. R. W. E. Vickery, 1,862,071; June 7.
Steam generator, Indirectly heated. H. Trede and O. H. Hartmann, 1,883,124; Oct. 18.
Steam generator, Indirectly heated. F. Wempe, 1,883,394; Oct. 18.
Steam generator or boiler. W. A. Mills, 1,865,944; July 5.
Steam generator, Rotating. J. V. Blomquist and T. A. Blomen, 1,857,710; May 10.
Steam generator, Tubular. M. Eule, 1,858,890; May 17.
Steam heating apparatus. G. J. Muller, 1,874,203; Aug. 30.
Steam heating apparatus, Vacuum. I. C. Jennings, 1,870,734; Aug. 9.
Steam heating system. I. C. Jennings, 1,870,733; Aug. 9.
Steam heating system and regulator therefor. J. A. Donnelly, 1,874,174; Aug. 30.
Steam heating system for railway cars. E. A. Russell, 1,851,287; Mar. 29.
Steam in boilers, Device for securing dry. W. R. Wood, 1,845,106; Feb. 16.
Steam injector. R. D. and J. C. Metcalfe, 1,878,793; Sept. 20.
Steam injector, Exhaust. M. Hard, 1,870,006; Aug. 2.
Steam intake sleeve for sulphite pulp digesters. E. Mortrud, 1,869,270; July 26.
Steam iron, Electric. J. C. Ledbetter, 1,843,568; Feb. 2.
Steam making machine. P. Hentz, 1,861,271; May 31.
Steam plant with multistage power engine, High pressure. W. Abendroth, 1,869,361; Aug. 2.
Steam platen. R. W. Dinel, 1,884,612; Oct. 25.
Steam plates. F. G. Schranz, 1,842,209; Jan. 19.
Steam presses, Operative mechanism for. H. H. McDermott, 1,857,601; May 10.
Steam pressure in boilers, Method and apparatus for regulating. E. McLean, 1,853,371; Apr. 12.
Steam pressure regulating device. C. A. French, 1,877,781; Sept. 27.
Steam producing unit. C. B. Grady, 1,872,138; Aug. 16.
Steam purifier. W. Friedrich, 1,854,583; Apr. 19.
Steam purifier discharge. W. J. Hughes, 1,860,142; July 26.
Steam purifier discharge apparatus. W. J. Hughes, 1,866,305; July 5.
Steam radiator trap. C. R. Watts, 1,861,650; June 7.
Steam regulator, Safety. G. J. Vinson, 1,849,601; Mar. 15.
Steam reheater. C. H. Davy, 1,883,605; Oct. 18.
Steam reheater. C. E. Lucke and J. E. Black, 1,884,778; Oct. 25.
Steam separator. C. G. Hawley, 1,874,990; Aug. 30.
Steam separator. L. P. Michael, 1,881,215; Oct. 4.
Steamship with the main boiler mounted on a deck or platform at some height about the bottom of the ship or the tank top. K. G. Meldahl, 1,875,634; Sept. 6.
Steam shovel. C. W. Wallis, 1,840,002; Jan. 5.
Steamer, Sleeve. S. L. McVey, 1,887,561; Nov. 15.
Steam superheating by means of high-pressure steam, Interstage. O. H. Hartmann, 1,878,135; Sept. 20.
Steam temperature regulator. J. E. Black, 1,890,245; Dec. 6.
Steam trap. W. B. Clifford and J. E. Woods, 1,842,657; Jan. 26.
Steam trap. M. Hauser, 1,856,762; May 3.
Steam trap. W. H. Kuhn, 1,842,410; Jan. 26.
Steam trap. W. H. Randall, 1,884,857; Oct. 25.
Steam trap. C. L. Shank, 1,890,591; Dec. 13.
Steam trap. L. P. Strong, 1,839,999; Jan. 5.
Steam trap. L. P. Strong, 1,870,660; Aug. 9.
Steam trap. W. R. Templeton, 1,844,450; Feb. 9.
Steam trap. C. W. Zies, 1,867,434; July 12.
Steaming board. H. E. Reede, 1,879,035; Sept. 27.
Steaming device. C. R. Lendle, 1,847,013; Feb. 23.
Steaming tube. A. J. Allen, 1,872,549; Aug. 16.
Steel alloy. F. Pölzguter, 1,877,962; Sept. 20.
Steel and rubber product. B. Bronson, 1,876,849; Sept. 13.
Steel, Annealing nitrided. W. J. Merten, 1,864,083; June 21.
Steel, Apparatus and method of continuous casting of. J. S. Ferry and G. Ramsey, 1,841,297; Jan. 12.
Steel, Apparatus for quantitative treatment of sheet. D. M. Shanafelt, G. B. Nisbet, and A. H. Shonkwiler, 1,859,803; May 24.
Steel article insensible to the action of hot gases, vapors and liquids. B. Strauss, 1,876,091; Sept. 6.
Steel articles, Heat treatment of cold shaped manganese. J. H. Hall, 1,851,000; Mar. 29.
Steel billets, Method and apparatus for continuous casting of. J. E. Ferry and G. Ramsey, 1,865,443; July 5.
Steel body and hardening same, Cast. A. W. Gregg, 1,859,623; May 24.
Steel boiler. W. H. Cliff, 1,882,776; Oct. 18.
Steel building construction. A. B. Patterson, 1,871,918; Aug. 16.
Steel columns, Rolling. L. J. Caton, 1,892,608; Dec. 27.
Steel cutting machine, Sheet. C. B. Loss and O. F. Troeger, 1,872,086; Aug. 16.
Steel, Electrical. C. J. Strobie, 1,887,339; Nov. 8.
Steel framework bracket. W. L. Ross, 1,862,433; June 7.
Steel, Free machining corrosion resisting. F. R. Palmer, 1,846,140; Feb. 23.
Steel from silicon scrap, Making silicon. V. B. Browne, 1,842,536; Jan. 26.
Steel hardening. R. Ripa, 1,876,170; Sept. 6.
Steel having a high yield point and a good notch toughness. A. Klinkenberg, 1,889,482; Nov. 29.
Steel, Low carbon. A. Fry, 1,855,105; Apr. 19.
Steel manufacture. H. Meyer, 1,843,456; Feb. 2.
Steel, Manufacturing titanium. W. and H. Mathesius, 1,847,350; Mar. 1.
Steel, Mechanical treatment of. F. W. Guibert, 1,845,749; Feb. 24.
Steel, Method of and apparatus for making. H. W. Protzeller and G. W. Finney, 1,866,668; July 12.
Steel plate and bar, Composite. R. H. McMillen, 1,869,208; July 26.
Steel, Process and apparatus for annealing sheet. D. M. Shanafelt, G. B. Nisbet, and A. H. Shonkwiler, 1,859,802; May 24.
Steel, Process and apparatus for treating. H. C. Henry, 1,842,272; Jan. 19.
Steel, Producing. G. A. Code, 1,850,381; Mar. 22.
Steel, Reconditioning alloy. W. B. Plummer, 1,884,206; Oct. 25.
Steel retainer. E. B. Lear, 1,865,637; July 5.
Steel retainer. A. G. Siatcher, 1,865,340; June 28.
Steel retainer, Drill. D. J. Hafford, 1,839,963; Jan. 5.
Steel retainer, Drill. L. L. Richardson, 1,866,863; July 12.
Steel retainer, Drill. R. A. Norling, 1,888,685; Nov. 22.
Steel retaining device, Drill. C. A. Hultquist, 1,841,953; Jan. 19.
Steel sheets, Treating. J. H. Steele, 1,866,376; July 5.
Steel sheets, Treatment of. H. E. Sheldon, 1,854,628–9; Apr. 19.
Steel springs, Device for improving the tone of. O. Lindstedt, 1,849,463; Mar. 15.
Steel tie, Concrete reinforcing. A. C. Strickler, 1,890,757; Dec. 13.
Steel, Toughening. G. A. Johnson, 1,874,103; Aug. 30.
Steel, Treating. W. Pitts, 1,886,581; Nov. 8.
Steel, Treating silicon. C. E. Gifford, 1,842,162; Jan. 19.
Steel, Treating silicon. A. F. Murphy and W. Jones, 1,873,659; Aug. 23.
Steel truss joist, Structural. F. Wells, 1,863,817; June 21.
Steel wheel, Reenforced. C. L. Eksergian, 1,850,344; Mar. 22.
Steel wool machine. R. F. Boehler, jr., 1,885,677; Nov. 1.
Steel working machine, Structural. T. Kaseberg, 1,851,845; Mar. 29.
Steel wrapping spacers, structural. F. H. Martell, 1,858,836; May 17.
Steels, Heat treating magnet. K. L. Scott, A. L. Kirby, and M. R. Leach, 1,839,345; Jan. 5.
Steering and braking device for sleighs, Combined. W. P. Smith, 1,883,031; Oct. 18.
Steering and engine control device, Combined. C. N. Colstad, 1,860,173; May 24.
Steering apparatus. R. Brooks, 1,866,393; July 5.
Steering apparatus. H. Cremer, 1,885,417; Nov. 1.
Steering apparatus. J. H. Macdonald, 1,882,367; Oct. 11.
Steering apparatus, Automatic. M. G. E. Knight, 1,868,360; July 19.
Steering apparatus or the like. T. McLeod, 1,890,041; Dec. 6.
Steering attachment, Knee control. W. Jay, 1,882,323; Oct. 11.

Steering column setting. A. Moorhouse. 1,865,130; June 28.
Steering construction, Four wheel. W. A. Bolz, sr. 1,852,542; Oct. 11.
Steering control. H. Maries. 1,862,692; June 14.
Steering device, Automatic. H. T. Avery. 1,852,730; Oct. 18.
Steering device for swiveling bogies, Automatic. H. W. Jonkhoff. 1,876,684; Sept. 13.
Steering device for tractors. W. B. Thiemann. 1,885,964; Nov. 1.
Steering device for trailers attached to motor vehicles. E. Thomas. 1,842,129; Jan. 19.
Steering gear brace. A. Welikes. 1,865,291; June 28.
Steering gear for automobiles, Four wheel. M. V. Reed. 1,891,578; Dec. 20.
Steering knuckle, Combination ball bearing. W. L. Meggs. 1,859,149; May 17.
Steering knuckle fabrication. J. Bijur. 1,862,513; June 7.
Steering knuckle lubrication. T. R. Thomas. 1,891,459; Dec. 20.
Steering linkage. H. L. Hirschler. 1,846,553; Feb. 23.
Steering machine. A. A. Johnson. 1,842,526; Jan. 26.
Steering means for snowplows. W. E. Klauer. 1,889,667; Nov. 29.
Steering mechanism. O. F. Carlson. 1,876,568; Sept. 13.
Steering mechanism. H. M. Denyes. 1,843,081; Jan. 26.
Steering mechanism. C. O. Hanson. 1,879,218; Sept. 27.
Steering mechanism. R. K. Lee. 1,840,115; Jan. 5.
Steering mechanism. R. K. Lee. 1,867,364; July 12.
Steering mechanism. J. D. Tucker. 1,876,104; Sept. 6.
Steering mechanism, Antishimmying device for. S. Seth. 1,846,694; Feb. 23.
Steering mechanism for automobiles. S. Komfala. 1,860,698; Aug. 2.
Steering mechanism for dirigible aircraft, Automatic. E. A. Sperry. 1,867,334; July 12.
Steering mechanism for motor vehicles. H. W. Bell. 1,848,096; Mar. 8.
Steering mechanism for motor vehicles, Power. G. A. Swartz. 1,848,832; July 19.
Steering mechanism for tractors. H. E. McCray. 1,875,447; Aug. 23.
Steering mechanism, Hydraulic automobile. R. L. Francis. 1,885,194; Nov. 1.
Steering mechanism, Multiple rudder. V. V. Koons. 1,885,276; Nov. 1.
Steering meter. J. Stefanson. 1,855,071; Apr. 19.
Steering, Radio operated. W. S. Eaton. 1,842,346; Jan. 19.
Steering wheel. B. Bronson. 1,854,780; Apr. 19.
Steering wheel. H. D. Geyer. 1,847,758; Mar. 1.
Steering wheel. H. D. Geyer. 1,861,792; June 7.
Steering wheel. H. D. Geyer. 1,869,099; July 26.
Steering wheel. H. A. Husted. 1,843,324; Feb. 2.
Steering wheel. H. A. Husted. 1,843,676; Feb. 2.
Steering wheel. H. T. Kraft. 1,869,810; Aug. 2.
Steering wheel. H. T. Kraft. 1,876,693; Sept. 13.
Steering wheel. G. E. Smith. 1,841,346; Jan. 12.
Steering wheel. E. Smith. 1,843,744; Feb. 2.
Steering wheel. H. Weida. 1,858,650; May 17.
Steering wheel brake. I. Nagamatsu. 1,870,525; Aug. 9.
Steering wheel hub. W. S. Jones. 1,866,111; July 5.
Steering wheel handle. M. H. Shipley. 1,861,586; June 7.
Steering wheel inserts, Making. E. R. Marbach and G. F. Cavanagh. 1,869,267; July 26.
Stellite, Forge-welding. O. Severson. 1,864,497; June 21.
Stellite to bronze or brass, Bonding. J. Bauer. 1,848,408; Mar. 8.
Stem cutting mechanism for tobacco machines. C. W. Gooch, jr. 1,881,495; Oct. 11.
Stem cutting mechanism for tobacco stemming machines. C. W. Gooch. 1,891,494; Oct. 11.
Stem for flowers, Extensible. H. S. Jewett. 1,845,154; Feb. 16.
Stem pipes, Forming. R. H. Mueller and E. M. Reedy. 1,852,022; Apr. 5.
Stem, insulation joint and hickey, Combination. J. B. Glowacki. 1,873,384; Aug. 23.
Stem making machine. G. Coby and E. Kauer. 1,846,025; Feb. 23.
Stem pressing apparatus. G. D. McCabe. 1,853,911; Apr. 12.
Stem remover. G. D. Gardner. 1,876,051; Sept. 6.
Stencil. E. M. Barden. 1,860,219; May 24.
Stencil. D. D. Smith. 1,881,767; Oct. 11.
Stencil attachment for typewriting machines. C. Gabrielson. 1,839,307; Jan. 5.
Stencil frames, Making. H. P. Elliott. 1,867,399; July 12.
Stencil making method and apparatus. H. P. Elliott. 1,872,130; Aug. 16.
Stencil sheet attachment for vertical bed printing presses. W. R. Respess. 1,861,611; June 7.
Stencil printing machine. H. P. Elliott. 1,883,643; Oct. 18.
Stencil printing mechanism. W. K. Williams. 1,840,073; Jan. 5.
Stencil sheets. K. W. Carr. 1,878,672; Sept. 20.
Stenciling machine. D. T. Moats. 1,881,837; Oct. 11.
Stenciling material. E. J. Brasseur. 1,861,260; May 31.
Step for a ladder, Portable. R. C. Wilson. 1,890,763; Dec. 13.
Step, Locomotive. P. F. Cunningham. 1,855,442; Apr. 26.
Step, Preformed. W. L. Nicols. 1,861,751; June 7.
Step-by-step proportional control. S. C. Shipley. 1,883,015; Oct. 18.
Stepbuilder. J. R. Blosser. 1,873,107; Aug. 23.
Stepladder. J. Huck. 1,871,603; Aug. 16.
Step mechanism. J. S. McWhirter. 1,867,228; July 12.
Step plate. R. K. Lee. 1,883,994; Oct. 25.
Step, Rumble seat. E. S. Anderson. 1,881,113; Oct. 4.
Step, Sectional portable. W. Sherwood. 1,879,996; Sept. 20.
Stereograms, Apparatus for making. E. Lihotzky. 1,851,317; Mar. 29.
Stereo-plates or printing surfaces to the cylinders of rotary printing machines, Locking of. M. L. Wilkinson and R. Bradshaw. 1,860,916; May 31.
Stereopticon changing device, Automatic. S. R. Vandewater. 1,870,901; Aug. 9.
Stereoscope. K. A. Edstrom. 1,865,683; July 5.
Stereoscope. L. Paroselli. 1,850,153; Mar. 22.
Stereoscopic cinematography. E. P. L. Le Barbier. 1,864,445; June 21.
Stereoscopic cinematography. G. T. Mallett. 1,867,855; July 19.
Stereoscopic observing instruments, Reference and subsidiary marks in. J. W. French. 1,864,899; June 28.
Stereotype casting machine. J. T. Mahan. 1,847,621; Mar. 1.
Stereotype plate casting machine. E. Brockel. 1,887,917; Nov. 15.
Stereotype plate casting machine, Automatic. H. A. W. Wood. 1,848,592; Mar. 8.
Stereotype plate making machine, Self acting. H. A. W. Wood. 1,848,593; Mar. 8.
Stereotype printing plate. H. A. W. Wood. 1,889,460; Nov. 29.
Stereovision. A. M. Nicolson. 1,866,169; July 5.
Sterilizer. L. A. Bent. 1,873,265; Aug. 23.
Sterilizer. V. J. Bugg. 1,844,270; Feb. 9.
Sterilizer. J. C. Leo. 1,862,963; June 14.
Sterilizer. A. Nohr. 1,873,627; Aug. 23.
Sterilizer and hot liquid extractor. D. De Pasquale and J. L. Howard. 1,887,392; Sept. 13.
Sterilizer, Barber's. I. J. Johnston. 1,868,904; July 26.
Sterilizer, Money. C. D. Monett. 1,885,278; Nov. 1.
Sterilizer, Barber's tool. H. L. Spilman. 1,841,503; Jan. 19.
Sterilizer, Clipper. G. H. Roberts. 1,849,204; Mar. 15.
Sterilizer, Electrically operative. W. R. Hoosen. 1,868,323; July 19.
Sterilizer, Surgical. F. C. Wappler. 1,861,768; June 7.
Sterilizer, Toilet seat. R. E. Peterson. 1,877,689; Sept. 13.
Sterilizing. W. H. Fulton. 1,847,003; Feb. 23.
Sterols and other substances from yeast and like microorganisms, Production of. E. Walz, and O. Ambros. 1,840,756; Jan. 12.
Sterilizing apparatus. E. M. Enlows, R. A. Brooks, and R. R. Groomes. 1,856,988; May 3.
Sterilizing apparatus. G. D. Peet. 1,888,959; Nov. 22.
Sterilizing, Apparatus for and method of. C. Frank. 1,887,297; Nov. 8.
Stethoscope. H. Hardt. 1,847,607; Mar. 1.
Stethoscope. S. Joseph. 1,845,795; Feb. 16.
Stethoscope and parts therefor. B. G. Baird and C. Klagges. 1,841,078; Jan. 12.
Stethoscope phonendoscopes for comparative as well as for topographic auscultation, Membrane. E. Zala. 1,859,951; Apr. 12.
Stick and making the same, Blasting. A. S. O'Neil and A. G. Schuricht. 1,849,378; Mar. 15.
Stick, Carved control. K. Henrichsen. 1,874,522; Aug. 30.
Stick for frankfurts, Metal smoke. J. A. Kellermann. 1,870,940; May 17.
Stick, Registering walking. H. M. Hopper. 1,841,951; Jan. 19.
Stick, Tympani. B. Vitto. 1,892,416; Dec. 27.
Stiffener and heel brace, Combined shoe shank. L. Weinstein. 1,878,612; Sept. 20.
Stiffener for boots and shoes and making the stiffener. W. J. Lund. 1,852,018; Apr. 5.
Stiffener for shirt collars. J. Sarandeses. 1,842,206; Jan. 19.
Still. R. O. Anderson. 1,856,860; May 3.
Still. H. I. Lea. 1,889,254; Nov. 29.
Still and fire box. J. D. Farber. 1,890,886; Dec. 13.
Still construction. L. H. Hosbein. 1,853,056; Apr. 12.
Still construction. G. W. Watts. 1,842,355; Jan. 19.
Still distillation, Pipe. T. E. Stockdale. 1,874,212; Aug. 30.
Still for separating absorption oil from gasoline. M. H. Kotzebue. 1,851,849; Mar. 29.
Still, Oil. G. W. King. 1,861,068; Oct. 11.
Still, Oil cracking. H. E. Widell. 1,841,072; Jan. 12.
Still, Oil heating. A. E. Harnsberger. 1,882,579; Oct. 11.
Still, Oil refining. O. E. Andrus and S. Hermanson. 1,840,305; Jan. 12.
Still, Vacuum. J. H. Hills. 1,890,152; Dec. 6.
Stills, Method and apparatus for heating. W. Gensecke. 1,882,552; Oct. 11.
Stills, Operation of pressure. E. C. Herthel. 1,868,204; July 19.
Stirrer, Mechanical. J. Preleuthner. 1,862,906; June 14.
Stirring machine. R. E. Dutt. 1,862,590; June 14.

Stitch cutter. D. Rossi. 1,844,299; Feb. 9.
Stitch for magnetically operable devices. G. D. Bower. 1,861,046; May 31.
Stitch forming mechanism, Overedge. F. F. Zeier and C. F. Rubel. 1,864,393; June 21.
Stitch, indenting machine. W. Hamann. 1,869,476; Aug. 2.
Stitch picker. H. E. Ruggles. 1,859,173; May 17.
Stitching bag material, Apparatus for. K. Maier. 1,884,032; Oct. 25.
Stitching machine. H. R. Bliss and H. G. Allen. 1,859,706; Oct. 4.
Stitching machine. F. Uhlig. 1,841,146; Jan. 12.
Stock fitting, Method of and device for. M. F. Brogan. 1,850,756; Oct. 4.
Stock flow device. A. Aldrich and E. E. Berry. 1,841,693; Jan. 19.
Stock for web forming, Delivering. E. E. Berry. 1,889,819; Dec. 6.
Stock, Handling J. H. Friedman. 1,875,586; Sept. 6.
Stock indicator. Fox. 1,862,619; June 14.
Stock line recorder. A. J. Whitcomb. 1,856,897; May 3.
Stock manipulation, Method of and apparatus for. J. G. Ramsey. 1,846,; Feb.
Stock reclaimed from waste materials and method of and apparatus for reclaiming same, Prepared. N. Leshner and W. J. Moeller. 1,875,045; Aug. 30.
Stock support bracket, Adjustable. L. Lehner. 1,864,840; June 28.
Stock treating appliance. J. H. Graves. 1,885,342; Nov. 1.
Stock watering device. T. Ritchie. 1,839,595; Jan. 5.
Stocking. G. C. Aberle. Des. 86,296; Feb. 23.
Stocking. G. C. Aberle. Des. 86,655; Apr. 5.
Stocking. J. L. Bausher. 1,873,811; Aug. 23.
Stocking. E. D. Decker. 1,877,281; Sept. 13.
Stocking. W. H. Gosch. 1,880,086; Sept. 27.
Stocking. H. Hammerich. Des. 86,601; Mar. 29.
Stocking. A. E. Ivethinger. Des. 86,233; Feb. 16.
Stocking. J. Kugelman. Des. 86,609–10; Mar. 29.
Stocking. W. H. MacNamee. 1,858,162; May 10.
Stocking. E. B. Mosser. Des. 86,654; Mar. 29.
Stocking. E. B. Mosser. Des. 87,276; June 28.
Stocking. E. B. Mosser. Des. 87,352; July 12.
Stocking. H. Peters. 1,858,696; May 17.
Stocking. E. W. Sachsenmaier and R. H. Moeller. Des. 86,411; Mar. 1.
Stocking. S. B. Sanson. Des. 87,083; May 31.
Stocking. R. B. Schindler. Des. 86,412; Mar. 1.
Stocking. R. B. Schindler. Des. 87,085; May 31.
Stocking. R. B. Schindler. Des. 88,724; Dec. 20.
Stocking. R. B. Schindler. 1,876,337; Sept. 20.
Stocking. F. B. Struve. Des. 85,999; Jan. 12.
Stocking. F. E. Struve. Des. 87,812–13; Sept. 20.
Stocking. W. Tait. Des. 86,174; Feb. 2.
Stocking. W. Tait. Des. 87,089; May 31.
Stocking. W. Tait. Des. 87,370; July 12.
Stocking. F. Wittenberg. 1,847,570; Mar. 1.
Stocking and knitting same. A. V. Mutchler and A. L. Leopold. 1,890,299; Dec. 6.
Stocking and knitting the same. M. C. Miller. 1,876,721; Sept. 13.
Stocking and making same, Full fashioned. E. H. Belber. 1,853,398; Apr. 12.
Stocking and making the same, Seamless. H. E. Katzenmoyer. 1,872,964; Aug. 23.
Stocking, Full fashioned. H. Hemmerich. 1,882,591; Oct. 11.
Stocking, Garter top. E. J. Berger. 1,883,495; Oct. 18.
Stocking, inspecting device. O. H. Pons. 1,852,674; Apr. 5.
Stocking or half hose and making the same. R. H. Lawson and W. L. Smith, jr. 1,863,719; June 21.
Stocking, Protective. Y. G. Cheas. 1,856,102; May 3.
Stocking, Surgical. O. H. Walton. 1,885,394; Nov. 1.
Stocking top. G. C. Aberle. 1,847,420; Mar. 1.
Stocking topping machine. A. W. Swartz. 1,878,728; Sept. 20.
Stockings and socks, Producing. T. H. Jones. 1,882,641; Oct. 11.
Stockings, Apparatus for drying and stretching. F. A. Batchelder. 1,887,255; Nov. 8.
Stockings, Device for facilitating the putting on and taking off of. I. J. Gentil. 1,861,385; May 31.
Stockings, Forming picot edges in. G. E. Cottrell. 1,843,270; Feb. 9.
Stockings, Making. K. R. Liberknecht. 1,878,499; Sept. 20.
Stogie heading device. J. F. Halstead. 1,864,727; June 28.
Stoker. L. F. Curtner and F. M. Case. 1,849,791; Mar. 15.
Stoker. W. J. Haag. 1,859,297; May 24.
Stoker. R. Hitchcock. 1,876,935; Sept. 13.
Stoker. H. J. Kerr and J. E. Trainer. 1,845,285; Feb. 16.
Stoker. N. M. Lower. 1,856,573; May 3.
Stoker. N. M. Lower. 1,892,353; Dec. 27.
Stoker. N. M. Lower and E. A. Turner. 1,856,572; May 3.
Stoker. W. H. R. Marsden and L. E. Osborne. 1,870,015; Aug. 2.
Stoker. M. Ratel. 1,867,474; July 12.
Stoker. E. A. Turner. 1,856,521; May 3.
Stoker. M. L. Wenrich. 1,870,031; Aug. 2.
Stoker air control. H. M. Swindler. 1,866,431; July 5.
Stoker apparatus, Underfeed. G. C. Cook. 1,860,354; May 31.
Stoker, Automatic. R. E. Bressler. 1,840,019; Jan. 5.
Stoker, Automatic. D. Dreier. 1,846,477; Feb. 23.
Stoker, Automatic. C. B. Little. 1,877,410; Sept. 13.
Stoker, Chain grate. V. R. Chadwick. 1,879,732; Sept. 27.
Stoker, Chain grate. H. J. Kerr. 1,854,162; Apr. 12.
Stoker, Chain grate. H. J. Kerr. 1,883,299; Oct. 18.
Stoker, Chain grate. W. O. Springer. 1,853,092; Apr. 12.
Stoker, Coal burning. T. H. Banfield. 1,844,026; Feb. 9.
Stoker construction. C. F. Miller. 1,849,105–6; Mar. 15.
Stoker construction. E. A. Turner. 1,866,431; July 5.
Stoker construction, Underfeed. C. F. Miller. 1,842,187; Jan. 19.
Stoker control. J. O. Stayton. 1,891,319; Dec. 20.
Stoker control. W. F. Trotter. 1,844,615; Feb. 9.
Stoker control, Hydraulic. D. O. Miller. 1,844,517; Feb. 9.
Stoker control switch. L. R. Teeple. 1,885,963; Nov. 1.
Stoker feeding mechanism. M. W. Best. 1,871,653; Aug. 16.
Stoker for use with steam boilers, Reactive. F. C. Greene. 1,849,294; Mar. 15.
Stoker, Force feed. M. L. Wenrich. 1,886,771; Nov. 8.
Stoker, Inside feeder. N. M. Lower, D. F. Crawford and E. A. Turner. 1,889,411; Nov. 29.
Stoker, Locomotive. T. W. Bennett. 1,850,824; Mar. 22.
Stoker, Locomotive. W. T. Capps. 1,875,216; Aug. 30.
Stoker, Locomotive. A. R. Frankhauser. 1,851,624; Mar. 29.
Stoker, Locomotive. P. A. Ketchpel. 1,892,351; Dec. 27.
Stoker, Locomotive. N. M. Lower. 1,851,635–7; Mar. 29.
Stoker, Locomotive. N. M. Lower. 1,853,692; Apr. 12.
Stoker, Locomotive. N. M. Lower. 1,889,410; Nov. 29.
Stoker, Locomotive. N. M. Lower and E. A. Turner. 1,850,844; Mar. 22.
Stoker, Locomotive. F. L. Myers. 1,840,913; Jan. 12.
Stoker, Locomotive. L. E. Osborne. 1,850,766; Mar. 22.
Stoker, Locomotive. C. H. Quinn. 1,851,646; Mar. 29.
Stoker, Locomotive. E. A. Turner. 1,863,289; June 14.
Stoker, Locomotive. E. A. Turner. 1,889,518–19; Nov. 29.
Stoker, Mechanical. A. M. Hunt. 1,844,425; Feb. 9.
Stoker, Mechanical. A. M. Hunt. 1,882,903; Nov. 1.
Stoker, Mechanical. G. H. Thacher, jr. 1,840,374; Jan. 12.
Stoker, Mechanical. C. A. Waechter. 1,850,428; Mar. 22.
Stoker, Mechanical. G. E. Whitney. 1,887,191; Nov. 8.
Stoker, Mechanical underfeed. V. G. Leach. 1,867,578; July 19.
Stoker, Mechanical underfeed. V. G. Leach. 1,881,720; Oct. 11.
Stoker mechanism. E. A. Turner. 1,870,198; Aug. 2.
Stoker mechanism. F. C. Pickard. 1,892,361; Dec. 27.
Stoker, Outside feed. A. M. Hunt. 1,892,394; Dec. 27.
Stoker, Underfeed. W. M. Cross. 1,842,359; Jan. 19.
Stoker, Underfeed. W. M. Cross. 1,883,595; Oct. 18.
Stoker, Underfeed. R. B. Mildon. 1,842,188; Jan. 19.
Stoking device, Automatic. F. W. Vodoz. 1,863,677; June 21.
Stomatoscope for dentists. M. de Terra. 1,843,067; Jan. 26.
Stone, Abrasive. G. R. Rayner. 1,864,616; June 28.
Stone, Artificial. W. W. Warren. 1,890,798; Dec. 13.
Stone box. C. J. Hodge. 1,849,800; Mar. 15.
Stone brick, Making artificial. R. B. Stuckey. 1,872,522; Aug. 16.
Stone crusher. G. E. Kvider. 1,861,348; May 31.
Stone crusher. E. J. Leap. 1,863,492; June 14.
Stone cutting machinery. L. Verkuil. 1,888,895; Nov. 22.
Stone gatherer. J. E. Ward. 1,845,459; Feb. 16.
Stone like material, Making cellular. C. H. Hunsaker. 1,849,090; Mar. 15.
Stone plates of fibrous materials and hydraulic cement, Manufacturing artificial. R. Kunz. 1,864,833; June 28.
Stone milling machine. C. A. Colgren. 1,877,269; Sept. 13.
Stone of concrete for wood shavings, Grinding. F. Rühlemann. 1,880,492; Oct. 4.
Stone, Producing a contoured surface on. E. A. Chase. 1,840,226; Jan. 5.
Stone, Pulp grinding. W. W. Greenwood. 1,850,231; Mar. 22.
Stone, Pulp grinding. H. P. Scheel and H. P. Scheel, jr. Avery. 1,885,022; Oct. 25.
Stone sawing machine. A. E. Cox and J. B. Hall. 1,890,109; Dec. 6.
Stone setting for ring tops and the like, Interchangeable. G. Prussian. 1,864,371; June 21.
Stone spreader. H. A. Schaupp. 1,874,634; Aug. 30.
Stool and stepladder, Combined. F. Cummiskey. 1,870,309; Aug. 2.
Stool base, Self aligning. P. Madsden. 1,848,183; Mar. 8.
Stool, Bathroom cabinet. R. V. Stoner. Des. 86,489; Mar. 8.
Stool, Folding. L. A. Call. 1,856,805; May 3.
Stool, Folding. E. H. Nicholas. 1,846,607; Feb. 23.
Stool, Foot. W. R. McGowen. Des. 87,229–30; June 21.

Stool, Kneeling. U. St. Marie and G. Bernier. 1,856,297; May 3.
Stool, Lunch counter. P. Madsen. 1,862,755; June 14.
Stool steps, Convertible. E. E. Beck. 1,863,614; June 21.
Stool, Swivel. B. T. Andren. 1,869,535; Aug. 2.
Stool, Toilet. S. Baker. 1,856,687; May 3.
Stool, Vibrating. D. E. Stevens and C. E. Brown. 1,845,941; Feb. 16.
Stool with table extension, Folding. P. Dunlop. 1,856,378; May 3.
Stop, Adjustable door. M. J. Sasgen. 1,876,173; Sept. 6.
Stop and alarm, Door. R. Tarrant. 1,866,233; July 5.
Stop and cab signal system, Train. A. E. Hudd. 1,879,612; Sept. 27.
Stop and compensating strut for hand propelled vehicles, Automatic. R. C. Gallinant. 1,861,958; June 7.
Stop and lock, Door. J. B. Sparks. 1,843,144; Feb. 2.
Stop and locking means, Combined door. J. A. Brossart, B. F. Orr, and W. H. Spence. 1,880,757; Oct. 4.
Stop, Automatic. G. J. Katz. 1,887,596; Nov. 15.
Stop, Automatic car. J. Wilcox. 1,878,356; Sept. 20.
Stop, Automobile. C. A. Barrett. 1,877,789; Sept. 20.
Stop, Automobile no back safety. J. H. Morgan. 1,877,014; Sept. 13.
Stop, backing, and tail light. E. C. Albright. 1,845,111; Feb. 16.
Stop, Car. R. L. Crews. 1,852,703; Apr. 5.
Stop, Car. C. T. Miller. 1,869,976; Aug. 2.
Stop device for automobiles. J. W. Flunkett and E. H. Roberts. 1,883,820; Oct. 18.
Stop, Door. D. Blaauw and H. De Vrieze. 1,871,142; Aug. 9.
Stop, Door. W. D. Carnal. 1,845,829; Feb. 16.
Stop, Door. E. W. Dauble. 1,879,119; Sept. 27.
Stop, Door. W. H. Durant. 1,876,881; Sept. 13.
Stop, Door. E. H. Johnson. 1,881,635; Oct. 11.
Stop, Door. C. Murch. 1,851,612; Mar. 29.
Stop, Fishline. A. I. Akervick. 1,840,762; Jan. 12.
Stop for bottle capping machines, Mechanical. F. E. Fowler. 1,852,924; Apr. 5.
Stop for box nailing machine, Shook. F. Chekian. 1,868,885; July 26.
Stop for brush making machines, Automatic. C. Jobst. 1,858,219; Jan. 5.
Stop for cab windows, Weather. G. J. Glaus. 1,859,388; May 24.
Stop for car doors. E. J. Fehr. 1,881,401; Oct. 4.
Stop for card machines, Automatic. W. C. White. 1,852,494; Apr. 5.
Stop for conveyers, Safety. M. A. Le Gette. 1,887,456; Nov. 15.
Stop for elevator doors, Fire. H. C. Waldman. 1,856,895; May 3.
Stop for elevators, Safety. T. Doneff. 1,860,018; May 24.
Stop for motor vehicles, Safety. M. L. Rosenfeld and J. H. Morgan. 1,877,976; Sept. 20.
Stop for railway crossings, Automatic automobile. A. M. Peiffer and H. Seeder. 1,848,903; Mar. 8.
Stop for rotating parts. E. M. Shinkle. 1,849,727; Mar. 15.
Stop for rotating parts. E. M. Shinkle. 1,857,408; May 10.
Stop for straight knitting machines, Rebound. E. Richter. 1,849,004; Feb. 16.
Stop for telegraph transmitters, Automatic. L. W. Franklin. 1,881,452; Oct. 11.
Stop for thread carrier rods, Adjustable. G. Gastrich and M. Richter. 1,891,472; Dec. 20.
Stop for trackways. L. A. Camerota. 1,850,446; Mar. 22.
Stop for vehicles, Reverse C. P. Cirac. 1,875,417; Sept. 6.
Stop for vehicular traffic, Safety. T. J. Hart. 1,846,032; Feb. 23.
Stop-go Indicator. H. C. Webb. 1,859,902; May 24.
Stoplight switch. J. W. White. Re18,487; June 7.
Stoplight switch. J. W. White. 1,840,340; Jan. 12.
Stop light signal and brake system for vehicles. H. M. Rockwell. 1,882,259; Oct. 11.
Stop mechanism. C. Brahy. 1,857,996; May 10.
Stop mechanism, Automatic. D. B. Reese. 1,874,804; Aug. 30.
Stop mechanism, Automatic safety. W. J. Anthony. Re18,443; Apr. 26.
Stop mechanism, Conveyer. J. J. Mojonnier. 1,882,435; Oct. 11.
Stop mechanism, Diameter-stop and thread-break. C. Mecheth. 1,865,578; July 5.
Stop mechanism for automobiles. V. C. Ready. 1,844,526; Feb. 9.
Stop mechanism for bobbin strippers. W. H. Trogdon. 1,877,966; Sept. 13.
Stop mechanism for coin counting machines. E. P. Donnellan. 1,863,971; June 21.
Stop mechanism for collapsible tube machines, Automatic. W. Prussing. 1,843,884; Feb. 2.
Stop mechanism for knitting machines. J. Wachsman. 1,845,455; Feb. 16.
Stop mechanism for warpers. J. W. Sidebottom. 1,877,069; Sept. 13.
Stop mechanism for yarn doubling and twisting machines. G. H. Simonson and F. V. Grennor. 1,840,262; Jan. 5.
Stop mechanism for yarn twisting and winding machines. G. H. Simonson and F. V. Grennor. 1,845,565; Feb. 16.
Stop mechanism, Machine tool. W. Schroder. 1,842,802; Jan. 26.
Stop motion. J. A. Fenton. 1,885,423; Nov. 1.
Stop motion. C. W. Spork and F. J. Herzig. 1,875,515; Sept. 6.
Stop-motion device. E. B. Allen and W. Myers. 1,878,091; Sept. 20.
Stop motion, Device for the warp. R. Miyata. 1,872,784; Aug. 23.
Stop motion, Electric warp. O. V. Payne. 1,852,217; Apr. 5.
Stop motion, Electrical warp. O. V. Payne. 1,873,147; Aug. 23.
Stop motion, Electrical warp. O. V. Payne. 1,873,467; Aug. 23.
Stop motion, Filling. A. F. Morrell. 1,868,716; July 26.
Stop motion for drawing frames. W. J. Scott. 1,848,667; Mar. 8.
Stop motion for knitting machines. A. Crawford. 1,855,099; Apr. 19.
Stop motion for knitting machines, Electric. A. Crawford. 1,877,647; Sept. 13.
Stop motion for knitting machines (hosiery). A. Crawford. 1,874,085; Aug. 30.
Stop motion for looms, Canter fork. V. Lindsjo. 1,865,930; July 5.
Stop motion for twister frames. G. Goodchild. 1,874,500; Aug. 30.
Stop motion, Knock-off for electrical warp. O. V. Payne. 1,873,465; Aug. 23.
Stop motion mechanism for drawing frames used in the treatment of fibrous substances. A. F. Parker. 1,892,116; Dec. 27.
Stop motion, Warper. H. A. Leonard. 1,853,909; Apr. 12.
Stop motion with unit construction, Warp. O. V. Payne. 1,852,024; Apr. 5.
Stop, Power. C. Heuze. 1,864,820; June 28.
Stop, Retarded release. C. Farmer. 1,879,670; Sept. 27.
Stop, Sash. G. S. Kreider. 1,841,372; Jan. 19.
Stop, Shade roller. B. B. Mesler. 1,851,366; Mar. 29.
Stop signal. E. M. Hicks. 1,864,018; June 21.
Stop system, Train. A. E. Hudd. 1,879,611; Sept. 27.
Stop system, Train. A. E. Hudd. 1,879,614; Sept. 27.
Stop system, Train. A. E. Hudd. 1,879,617; Sept. 27.
Stop, Tubing catcher. M. F. Waters. 1,874,673; Aug. 30.
Stop with offset connection, Corporation. J. W. Simpson and F. H. Mueller. Re18,353; Feb. 16.
Stopper: See—
  Bottle stopper. Gas main stopper.
  Cinder notch stopper. Pipe line stopper.
  Container stopper. Spray stopper.
Stopper and dropper, Combination screw cap bottle. L. J. Mazoyer. 1,889,209; Nov. 29.
Stopper and making the same. J. Broadhurst. 1,865,884; July 5.
Stopper and retracting device for collapsible tubes. G. R. Cruze. 1,859,382; May 24.
Stopper for gas mains, Pneumatic. W. W. Gardner. 1,860,855; May 31.
Stopper for receptacles, Self closing. A. Hammerstein. 1,861,442; June 7.
Stopper inserting machine. C. E. Bre Miller. 1,883,524; Oct. 18.
Stopper or closure. T. A. Stevens. 1,887,700; Nov. 15.
Stopper or closure for containers. F. Lobl. 1,846,648; Feb. 23.
Stopping and starting attachment. H. E. Kellogg. 1,891,552; Mar. 22.
Stopping device for automatic lathes and the like. A. W. Phelps. 1,869,114; July 26.
Stopping device for photographic apparatus. A. N. Merle. 1,871,335; Aug. 9.
Stopping device for wind motors, Orienting and automatic. L. Constantin. 1,868,047; July 19.
Stops for doors or windows. Production of noiseless. O. Olson. 1,879,440; Sept. 27.
Stoper feed control. O'Farrell. 1,850,565; Mar. 22.
Stoping drill. G. M. Nell. 1,860,945; May 31.
Stoping machine. G. M. Nell. 1,860,946; May 31.
Storage apparatus. M. C. Stearns. 1,890,796; Dec. 13.
Storage apparatus, Vehicle. M. S. Clark. 1,857,431; May 10.
Storage battery. R. C. Benner and L. C. Werking. 1,861,467; June 7.
Storage battery. F. S. Crispin. 1,848,826; Mar. 8.
Storage battery. C. J. Dunzweiler. 1,852,558; Apr. 5.
Storage battery. B. Ford. 1,882,414; Oct. 11.
Storage battery. B. Ford and W. H. Bancroft. 1,857,591; May 10.
Storage battery. N. Harrison. 1,846,329; Feb. 23.
Storage battery. G. W. Hebbeler. 1,847,214; Mar. 1.
Storage battery. R. Heizmann. 1,843,421; Feb. 2.
Storage battery. I. L. Lindley. 1,880,323; Oct. 4.
Storage battery. H. W. Lormor. 1,876,989; Sept. 13.
Storage battery. R. D. Shipp. 1,892,288; Dec. 27.
Storage battery. G. Wheat. 1,874,725; Aug. 30.
Storage battery. W. H. Wood. 1,874,404; Aug. 30.
Storage battery handle. E. H. Bridge. 1,864,168; June 21.
Storage device. T. E. Murray. 1,887,245; Nov. 8.

Storage elevator, Automobile. H. D. James. 1,859,874; May 24.
Storage elevator, Automobile. H. D. James. 1,871,795; Aug. 16.
Storage elevator, Counterbalanced vehicle. L. Haish and F. M. Henry. 1,873,391; Aug. 23.
Storage house. C. L. Jones and W. L. Kuehnle. 1,863,484; June 14.
Storage rack. G. R. Borrmann. 1,867,611; July 19.
Storage system. F. T. Kern. 1,872,457–8; Aug. 16.
Storage system, Vehicle. S. E. Buettell. 1,864,711; June 28.
Storage tank. H. P. Smith. 1,886,131; Nov. 1.
Storage tank. D. Wortmann. 1,866,074; Nov. 1.
Storage tank, Hot water. F. J. Bentz. 1,849,266; Mar. 15.
Store. W. C. Ellis. 1,882,488; Oct. 11.
Store. E. Korrer and A. R. Mitterer. 1,873,852; Aug. 23.
Store construction. R. K. Tiffany. 1,839,617; Jan. 5.
Store door pick up and delivery system. N. W. Bywater. 1,883,538; Oct. 18.
Store front. K. E. Bemis. Des. 87,901; Oct. 11.
Store front. L. W. Eakins. Des. 86,895; Feb. 23.
Store front. W. Schwartz. Des. 86,938–9; May 10.
Store front. L. P. Shield. 1,853,582; Apr. 12.
Store-front construction. F. and I. Himmel. 1,849,524–5; Mar. 15.
Store front construction. G. R. Kneeshaw. 1,890,615; Dec. 13.
Store front construction. L. Lamer. 1,890,787; Dec. 13.
Store front construction. F. J. Plym. 1,882,879–81; Oct. 18.
Store front, Convertible. A. Simone. 1,874,820; Aug. 30.
Store front, Ornamental. E. L. Ison. 1,841,127; Jan. 12.
Store partition. R. Tlapek. Des. 87,945; Oct. 11.
Store, Self service. D. W. Webb. 1,861,671; June 7.
Storing and dispensing apparatus. W. B. W. Mann and F. A. Talbot. 1,883,154; Oct. 11.
Stove. A. E. Anderson. 1,875,545; Sept. 6.
Stove. C. L. E. Chenu. 1,859,432; May 24.
Stove. J. Fickinger. Des. 87,629; Aug. 23.
Stove. L. Hardwick. Des. 88,148; Nov. 1.
Stove. H. Hener. 1,865,911; July 5.
Stove. W. G. Nagle. 1,882,159; Oct. 11.
Stove. J. C. Olsen, jr., and H. L. Bottle. 1,869,711; Aug. 2.
Stove. J. C. Olsen, jr., H. L. Bottle, and F. W. Johns. 1,888,327; Nov. 8.
Stove. A. J. Reedy. Des. 86,978; May 17.
Stove. C. J. Rogers. Des. 86,409; Mar. 1.
Stove. W. F. Rogers. Re18,439; Apr. 26.
Stove. W. F. Rogers. Re18,465; May 17.
Stove. W. F. Rogers. 1,847,225; Mar. 1.
Stove. J. H. Siemer. 1,866,427; July 5.
Stove. A. Signore. 1,867,190; July 12.
Stove. A. Smith. 1,879,954–5; Sept. 27.
Stove. S. G. Weller. 1,881,987; Oct. 11.
Stove. S. G. Weller. 1,886,239; Nov. 1.
Stove and cabinet, Combined. C. J. Rogers. Des. 86,410; Mar. 1.
Stove and cooking utensil, Collapsible. J. H. Bierlich. 1,888,327; Sept. 27.
Stove and hover, Brooder. R. O. Pence. 1,840,847; Jan. 12.
Stove and range, Gas. J. Teller and A. P. Schulz. 1,849,731; Jan. 12.
Stove and storage tank, Hot water. E. A. Corbin, jr. 1,856,693; May 3.
Stove, Brooder. J. Henderson. 1,857,544; May 10.
Stove burner-bar and slide plate support, Gas. E. Breitwieser. 1,851,150; Mar. 29.
Stove, Camp. H. P. Carnstenbrook. 1,856,025; Apr. 26.
Stove casing, Gas. H. W. Olwell. Des. 87,169; June 14.
Stove, Coal. W. F. Rogers. 1,869,392; Aug. 2.
Stove, Coal. J. M. Watts. 1,850,161; Mar. 22.
Stove, Combination portable. A. K. Lindsey. 1,879,880; Sept. 27.
Stove, Combined heating and cooking. E. Bernstein. 1,870,600. Aug. 9.
Stove construction. C. M. Dibble. 1,839,469; Jan. 5.
Stove, Cook. G. E. Pickup. Des. 87,884–5; Oct. 4.
Stove, Cook. G. E. Pickup. 1,862,767; June 14.
Stove, Cook. G. E. Pickup. 1,868,991; July 26.
Stove, Cooking. S. A. Harrington. 1,847,529; Mar. 1.
Stove, Cooking. B. B. Kahn. Des. 87,065; May 31.
Stove, Cooking. M. G. Klemme. Des. 87,066; May 31.
Stove, Cooking. J. F. Lee. Des. 86,779–80; Apr. 19.
Stove, Electric cook. C. A. Pierson. Des. 87,239; June 21.
Stove for burning disintegrated lignite coke. W. Rempen. 1,878,044; Sept. 20.
Stove for burning rubbish. R. Marx. 1,866,661; July 12.
Stove, Gas. W. T. Bradbury. Des. 86,436–8; Mar. 8.
Stove, Gas. W. F. Rogers. 1,865,942; June 21.
Stove, Gas. S. A. Wilde. 1,873,089; Aug. 23.
Stove, Gas heater. M. W. Wood. 1,871,574; Aug. 16.
Stove, Gas heating. E. C. Merrill. 1,855,980; Apr. 26.
Stove, Heating. W. Bradbury. Des. 87,957; Oct. 18.
Stove, Heating. B. B. Kahn. 1,873,767; Aug. 23.
Stove, Heating. H. L. McKown. 1,859,000; May 17.
Stove, Hot blast. A. J. Boynton. 1,849,657; Mar. 15.
Stove, Hot blast. W. Eaton and E. J. Westcott. 1,845,253; Feb. 16.
Stove, Hot water. E. A. Corbin, jr. 1,856,623; May 3.
Stove leg. J. Lee. 1,867,948; July 19.
Stove leg. H. C. Maul. 1,858,998; May 17.
Stove, Liquid fuel. G. F. Pickup. 1,855,771; Apr. 26.
Stove, Liquid fuel burner. H. E. Brandt. 1,841,569; Jan. 19.
Stove, Oil. J. Ruddy. 1,888,888; Nov. 22.
Stove or range. C. H. and R. F. Holfstetter. Des. 87,784; Sept. 20.
Stove or similar article, Cooking. A. L. Blakeslee. Des. 87,456; Aug. 2.
Stovepipe seam, Interlocking. E. J. Hayman. 1,839,674; Jan. 5.
Stove structure. A. G. Sherman. 1,858,310; May 17.
Stove, Vapor. A. T. Schuman. 1,869,827; Aug. 2.
Stove, Waffle cooking. W. D. Antrim. 1,879,010; Sept. 27.
Stove, Wall. S. G. Weller. Des. 87,033; May 24.
Stove, Wall and partition. C. Gwaltney. 1,891,047; Dec. 13.
Stove with heat accumulator, Cooking. G. Dalen. 1,847,930; Mar. 1.
Stove with heat accumulator, Cooking. G. Dalén. 1,862,009; June 7.
Straight knitting machine. K. R. Lieberknecht. 1,885,738; Nov. 1.
Straightening and rolling machine. K. F. Ungerer. 1,856,937; May 3.
Straightening machine. R. C. Stiefel. 1,859,851; May 24.
Strain equalizing device. W. P. Frost. 1,881,459; Oct. 11.
Strain relief fitting. B. C. Webster. 1,890,350; Dec. 6.
Strain relieving device for electrical conductor cords. G. J. Meuer. 1,885,820; Oct. 18.
Strainer. C. Andrews. 1,874,410–11; Aug. 30.
Strainer. A. B. Benoit. 1,854,015; Apr. 12.
Strainer. A. Brecher. 1,840,863; Jan. 12.
Strainer. A. J. Evers and H. J. Sauvage. 1,881,270; Oct. 4.
Strainer. C. E. Kail. 1,882,645; Oct. 11.
Strainer. R. G. Marter. 1,885,850; Nov. 1.
Strainer. J. S. Mohr. 1,886,893; Nov. 8.
Strainer. P. S. Russel. 1,892,190; Dec. 27.
Strainer. J. Sperling. 1,888,245; Nov. 22.
Strainer. H. H. Swift. 1,859,184; May 17.
Strainer. R. S. Whaley. 1,849,449; Mar. 15.
Strainer. R. S. Whaley. 1,889,325; Nov. 29.
Strainer and making same, Well. H. W. Fletcher. 1,874,035; Aug. 30.
Strainer and regulator for gas refrigerating apparatus, Combined. R. G. Dowins. 1,863,103; June 14.
Strainer, Deep well. G. E. Millers. 1,892,838; June 14.
Strainer for mechanical refrigeration. H. W. Weymouth and H. Chrisman. 1,862,916; June 14.
Strainer, Gas. W. S. Walker. 1,888,150; Nov. 15.
Strainer, Juice. M. E. Carter. 1,851,809; Mar. 29.
Strainer, Milk. W. H. Benjamin. 1,844,554; Feb. 9.
Strainer, Oil well. R. T. Engelbrecht. 1,860,706; May 31.
Strainer, Oil well. E. E. Searle. 1,861,722; June 7.
Strainer, Paint. G. P. Berger. 1,852,873; Apr. 5.
Strainer, Pulp. T. E. Xistris. 1,856,450; May 3.
Strainer, Sink. C. M. Carlson. 1,892,481; Dec. 27.
Strainer system. H. R. Bafton. 1,843,242; Feb. 2.
Strainers, Antisplash device for liquid. L. Rosenfeld. 1,863,805; June 21.
Straining device for lawn tennis nets. E. C. Carver. 1,842,311; Jan. 19.
Strains in metal objects, Modifying internal. F. C. Langenberg. 1,891,234; Dec. 20.
Strand covering apparatus. J. Janicki. 1,881,621; Oct. 11.
Strand for making braided rugs and the like and making the same. W. H. Adams. 1,883,438; Oct. 18.
Strand handling device. E. R. Troche. 1,883,130; Oct. 18.
Strand material, Apparatus for handling. E. M. Bidwell. 1,857,835; May 10.
Strand material, Apparatus for handling. E. Troche. 1,861,990; June 7.
Strand reenforcement. P. H. Chase. 1,867,536; July 12.
Strand slackening device. H. P. Arkema and S. McMullan. 1,867,801; May 10.
Strand supplying and distributing apparatus. G. A. Seeley. 1,864,558; June 28.
Strand twisting and coiling mechanism. R. C. Angell. 1,843,075; Jan. 26.
Strand working apparatus. H. Blount. 1,860,070; May 24.
Strand working machine. H. Blount. 1,860,130; May 24.
Strand working machine. D. C. Robson. 1,871,391; Aug. 9.
Strauding. G. C. Burd. 1,891,343; Dec. 20.
Strandíng and laying machine. J. H. Larmuth. 1,870,290; Aug. 9.
Strands and covered wires, Apparatus for making. E. Slade. 1,886,447; Nov. 8.
Strands, etc., Delivering and winding. J. E. Barbour, 1,866,148; July 5.
Strands into spherical masses, Apparatus for winding elastic. T. Cropper. 1,844,312; Feb. 9.
Strands, Method of and apparatus for serving. F. M. Potter and C. E. Traxel. 1,891,194; Dec. 13.

Strands, Method of and apparatus for serving. C. E. Traxel. 1,876,794; Sept. 13.
Strap; See—
Bridge suspension strap. Pack strap.
Film holding strap. Rubber exercising strap.
Fixture strap. Safety strap.
Grip strap. Shoe strap.
Lug strap. Shoulder strap.
Strap and attaching device. M. Anderson. 1,851,478; Mar. 29.
Strap for electric fixtures, Adjustable. M. Weinstein. 1,845,204; Jan. 26.
Strap for wrist watches. C. Duerr. 1,859,819; May 24.
Strap or harness, Carrying. C. M. Coffman. 1,846,846; Feb. 23.
Strap stretching device. C. M. MacChesney, R. H. Norton, and J. E. Ott. 1,885,742; Nov. 1.
Straps, Apparatus for sealing. G. G. Rico. 1,886,046; Nov. 1.
Straps of trousers, Side. M. M. Isaacs. 1,854,142; Apr. 12.
Strata prospecting, Underground. K. Sundberg. 1,843,407; Feb. 2.
Straw cutting machine. C. F. Smith. 1,839,778; Jan. 5.
Straw spreader. C. F. Ryba. 1,839,597; Jan. 5.
Straw walker. H. S. Taylor. 1,864,005; June 21.
Straws, Apparatus for trimming drinking. E. Conti. 1,891,749; Dec. 20.
Straws, Manufacturing paper sip. K. E. Garling. 1,854,297; Apr. 19.
Strawberry. A. C. Cordrey. Pl. Pt. 46; Nov. 29.
Strawberry. B. W. and B. H. Keith. Pl. Pt. 26; Aug. 30.
Stream line return header for tubes. T. B. Fisher. 1,865,181; June 28.
Streamline wire separator. S. T. Williams. 1,886,072; Nov. 1.
Street illumination. M. B. Beck and J. D. Whittaker. 1,891,136–7; Dec. 13.
Street indicator. J. Flanagan. 1,871,680; Aug. 16.
Street sweeping apparatus. E. T. Birdsall. 1,861,681; June 7.
Strength testing machine. H. S. and H. L. Hornbeck. 1,861,012; May 31.
Stress measuring. A. McL. Nicolson. 1,848,490; Mar. 8.
Stretcher board for drawing paper. J. N. Glimlex. 1,882,184; Oct. 11.
Stretcher. R. A. Carter. 1,847,925; Mar. 1.
Stretcher. J. Flanagan. 1,871,680; Aug. 16.
Stretcher. A. L. T. Johnson. 1,854,037; Apr. 12.
Stretcher and guider. R. D. Tackaberry. 1,875,777; Sept. 6.
Stretcher and picture frame, Combined canvas. L. C. Clark. 1,870,492; Aug. 9.
Stretcher. Brake lining. J. M. Culley, jr. 1,849,660; Mar. 15.
Stretcher. Brake lining. J. B. Tripp, jr. 1,852,907; Apr. 5.
Stretcher, Curtain. D. D. Johnson. 1,855,968; Apr. 26.
Stretcher, Curtain. F. Moldenhauer. 1,877,356; Sept. 13.
Stretcher, Curtain and blanket. R. H. O'Brien and J. A. Byrne. 1,859,216; May 17.
Stretcher, Electric wire. D. Knabenshut. 1,878,859; Sept. 20.
Stretcher, Folding sweater. H. O. Cook. 1,871,587; Aug. 16.
Stretcher, Fur. O. L. Nelson. 1,892,624; Dec. 27.
Stretcher, Metallic. M. E. Adcock. 1,857,008; May 3.
Stretcher, Necktie. P. Schwarz. 1,858,309; May 17.
Stretcher, Necktie. W. H. Wilson. 1,864,705; June 28.
Stretcher, Shoe. M. F. Mitar. 1,851,833; Oct. 11.
Stretcher, Pelt or fur. C. E. Carroll. 1,889,634; Nov. 29
Stretcher, Shoe. S. Campgana, J. Alesse, and B. Laviano. 1,850,939; Mar. 22.
Stretcher, Shoe. G. Guiffre. 1,889,357; Nov. 29.
Stretcher, Shoe. C. B. Kosters. 1,871,854; Aug. 16.
Stretcher, Trousers. H. Sondersen and H. Glemming. 1,858,420; May 17.
Stretcher, Wire. H. C. Noell. 1,869,113; July 26.
Stretchers for cables, rods and the like, Making loosening. A. C. Stone. 1,877,370; Sept. 13.
Stretching and fastening device for ropes. O. Burheim. 1,869,462; Aug. 2.
Stretching device particularly applicable to thin phonographic disks. A. A. Penteado. 1,889,289; Nov. 29.
Strike and ball indicator. A. T. Swanson. 1,861,647; June 7.
Striker for door locks. A. S. Katz. 1,869,815; Aug. 2.
String. J. and S. Saladino. 1,865,214; June 28.
String cutter. H. Stratton. 1,885,881; Oct. 18.
Stringed instrument. P. Levasseur. Des. 87,967; Oct. 18.
Stringed instruments, Mechanism for playing. E. T. Zachrison. 1,871,021; Aug. 9.
Stringed instruments, Treating wooden. C. W. Lindeen. 1,876,984; Sept. 13.
Stringed musical instrument. N. W. Schireson. 1,887,861; Nov. 15.
Strings for archery bows, Anchor. A. L. and O. Swenson. 1,885,962; Nov. 1.
Strings or strands. Method and apparatus for stringing. H. Wilshaw, S. N. Goodhall, M. Green, and C. Follins. 1,871,766; Aug. 16.
Strip and constructing the same, Annular finish. H. G. Kellogg. 1,855,022; Apr. 19.
Strip and mulch, Pattern planting. R. B. Otwell. 1,846,274; Feb. 23.
Strip and process of coating strips, Coated. P. L. O'Donnell. 1,849,052; Jan. 5.
Strip, Antisqueak and finish. E. F. Tannewitz. 1,864,326; June 21.
Strip apparatus, Continuous predetermined characteristic. E. R. Powell. 1,864,317; June 21.
Strip, Binding. F. J. Kline. 1,843,771; Feb. 2.
Strip building machine, Grading. R. S. Kirk. 1,846,260; Feb. 23.
Strip construction, Floor dividing. P. Galassi. 1,844,752; Feb. 9.
Strip, Divider. P. Galassi. 1,888,916; Nov. 22.
Strip, Expansion. P. Galassi. 1,889,651; Nov. 29.
Strip feed mechanism, Perforated. A. S. Howell. 1,865,107; June 28.
Strip feeding machine. H. J. Gaisman and C. Schumacher. 1,860,144; May 24.
Strip feeding machine. R. Lange. 1,869,854; Aug. 2.
Strip finishing machine. I. F. Dittmar. 1,880,887; Oct. 4.
Strip for automobiles and the like, Finishing. E. J. Welch. 1,855,060; July 5.
Strip for building materials, Erecting. J. C. Johnson. 1,870,011; Aug. 2.
Strip for terrazzo and similar floors. P. Galassi. 1,891,530; Dec. 20.
Strip for window sashes, Weather or buffer. E. F. Chaffee. 1,857,729; Sept. 13.
Strip for windows, Closure. J. Kunz and J. Dammer. 1,885,922; Nov. 1.
Strip forming and covering machine, Continuous. N. H. Myers and F. Goodall. 1,850,062; Mar. 15.
Strip guiding and moistening means particularly adapted for use with strip serving mechanism. T. R. Gautier and H. E. Nichols. 1,856,625; May 3.
Strip labeler. W. M. McNeil and B. T. Ballard. 1,871,718; Aug. 16.
Strip material, Apparatus for continuously weighing. J. E. Cady. 1,871,039; Aug. 9.
Strip material, Apparatus for skiving. F. W. Merrick. 1,861,248; June 7.
Strip, Process of and apparatus for continuously forming a bias corrugated. C. L. and F. H. Tumulty. 1,870,473; Aug. 9.
Strip registering device. L. Ferencl. 1,859,962; May 24.
Strip serving machine. W. Hermann. 1,849,759–60; Mar. 15.
Strip, Spacing. Le R. C. Davidge. 1,853,553; Apr. 12.
Stripper for removing coils of wire from a drawing head. C. D. Johnson. 1,856,727; Nov. 22.
Stripper, Pipe form. G. Almquist. 1,859,191; May 17.
Stripper, Wax. W. A. Tyner. 1,882,459; Oct. 11.
Stripping machine. E. L. Patten. 1,872,327; Aug. 16.
Stripping mechanism for hosiery driers. H. F. Wanamaker. 1,870,187; Aug. 2.
Strips and making same, Preformed composition. A. C. Fischer. 1,882,792; Oct. 18.
Strips, Apparatus and method for making composition. A. C. Fischer. 1,846,325; Feb. 23.
Strips, Method and machine for testing thin. J. V. Geisler. 1,882,302; Oct. 18.
Strips, Method of and apparatus for applying sealing. J. Schmiedel. 1,861,144; May 31.
Strips of material, Apparatus for making apertured pieces from. A. W. Phelps. 1,856,724; May 3.
Stripes on the circular type knitting frame, Apparatus for the production of vertical. E. Milner and F. Walter. 1,883,811; Oct. 18.
Striping device. K. C. Bugg. 1,882,767; Oct. 18.
Striping device. K. C. Bugg. 1,882,770; Oct. 18.
Striping device. R. Z. Hopkins and E. Seger. 1,881,586; Oct. 11.
Striping device for automobile bodies. R. Z. Hopkins and E. F. Seger. 1,881,587; Oct. 11.
Striping device for automobile bodies. R. Z. Hopkins and E. F. Seger. 1,882,844; Oct. 18.
Striping device for automobile bodies. E. J. Hoyos. 1,881,597; Oct. 11.
Striping instrument. J. M. Christman. 1,851,967; Apr. 5.
Striping instrument. J. M. Christman. 1,858,984; May 17.
Striping instrument. J. M. Christman. 1,859,072; May 17.
Striping instrument. J. M. Christman. 1,866,295; July 5.
Striping instrument. J. M. Christman. 1,878,466; Sept. 20.
Striping machine. A. H. Henne and D. M. Clark. 1,850,393; Mar. 22.
Stroboscope. P. C. Wentworth and J. H. Avery. 1,875,788; Sept. 6.
Stroboscope. R. H. Worrall. 1,857,422; May 10.
Stroboscopic apparatus. E. A. Butler and T. R. Olive. 1,854,800; Apr. 19.
Stroboscopic apparatus. H. W. Lord. 1,889,608; Nov. 29.
Stroboscopic apparatus. P. C. Wentworth and J. H. 1,884,279; Oct. 25.
Stroboscopic apparatus and method. P. Davey. 1,858,985; May 17.

Strong box. J. J. Brosnan. 1,840,884; Jan. 12.
Strong box. J. J. Brosnan. 1,869,302; July 26.
Strop. A. Abranathy. 1,866,384; July 5.
Strop. E. G. Stockert. 1,852,223; Apr. 5.
Strop handle. G. P. McCullough. 1,860,717; May 31.
Strop, Razor. J. McD. Ezzell. 1,874,262; Aug. 30.
Strop, Razor. W. Stock. 1,877,613; Sept. 13.
Strop, Razor. W. C. Wallenbeck. 1,889,707; Dec. 6.
Stropper. H. A. Huber. 1,885,444; Nov. 1.
Stropper, Razor. A. G. Adams. 1,863,108; Apr. 12.
Stropper, Razor. F. H. Borns. 1,870,667; Aug. 9.
Stropper, Safety razor blade. G. C. Green. 1,874,740; Aug. 30.
Stropping device. J. E. Diggle. 1,842,860; Jan. 26.
Structural insert. W. M. Goldsmith and B. Harig. 1,841,887; Jan. 19.
Structural iron. E. B. Williamson. 1,888,523; Nov. 22.
Structural material and making the same. H. C. Peffer, R. L. Harrison, and D. E. Ross. 1,877,959; Sept. 20.
Structural material and making the same. H. C. Peffer and P. W. Jones. 1,877,960; Sept. 20.
Structural member. C. A. Robinson. 1,876,756; Sept. 13.
Structural members for drilling and like operations, Apparatus for positioning. H. H. McClintic. 1,873,547; Aug. 23.
Structural span. M. G. Hilpert. 1,884,687; Oct. 25.
Structural unit. D. H. Bitney. 1,870,487; Aug. 9.
Structural unit. D. H. Bitney. 1,880,707–S; Oct. 4.
Structural unit and making same. C. M. Chapman. 1,886,745; Dec. 6.
Structural unit, Collapsible. C. J. O'Brien. 1,883,816; Oct. 18.
Structure for dynamo electric machines, Fabricated. A. P. Wood. 1,844,710; Feb. 9.
Structure for storage or accommodation of vehicles. A. Trube. 1,861,461; June 7.
Structure, Interchangeable. J. E. Schmidt. 1,863,913; June 21.
Structure simulating an owl. G. E. Wilson. 1,876,121; Sept. 6.
Structure such as sound absorbent plaster, Porous. A. W. Schorger. 1,848,886; Mar. 8.
Structures, Apparatus and method for molding composite. H. D. Geyer. 1,871,982; Aug. 16.
Structures. Cutting and binding stranded. G. C. Burd. 1,864,169; June 21.
Structures, Examining. W. Späth. 1,871,756; Aug. 16.
Structures in water, Building massive. J. W. Rickey. 1,839,412; Jan. 5.
Structures, Making felted. H. C. Fisher, A. M. Overton, and L. E. Barrer. 1,844,951; Feb. 16.
Structures, Making magnetic. R. Gillis. 1,845,144; Feb. 16.
Structures of metal and nonmetallic materials, Fabricating. S. C. Finger. 1,887,627; Nov. 15.
Structures, Stabilizing river control. E. E. Dysart. 1,841,594; Jan. 19.
Strut construction. G. M. Bellanca. 1,853,492; Apr. 12.
Strut construction. G. M. Bellanca. 1,861,901–2; June 7.
Strut for aeroplanes, Shock absorbing. J. F. Wallace. 1,885,573; Nov. 22.
Strut for shoulder finishing machine, Spring loaded. C. G. Schmid and A. C. Rasmussen. 1,871,473; Aug. 16.
Strut, Fluid. B. Rogoslowsky. 1,842,776; Jan. 26.
Stubble burner. H. Worthley. 1,851,379; Mar. 29.
Stucco building construction. P. Whiting. 1,841,865; Jan. 19.
Stucco building construction. P. Whiting. 1,846,625; Feb. 23.
Stud and lock, Plaster board. T. Collins. 1,873,292; Aug. 23.
Stud compression connector, Rigid. J. E. Sumpter and A. Alsaker. 1,871,094; Aug. 9.
Stud, Indicating type carpet. P. E. Fenton and E. D. Janes. 1,840,272; Jan. 5.
Studio for acoustic purposes. C. F. Eyring, R. L. Hanson, and W. A. MacNair. 1,845,080–1; Feb. 16.
Studio for acoustic purposes. W. A. MacNair. 1,853,912; Apr. 12.
Studs, Making shirt. F. P. Dauchaday. 1,840,285; Jan. 5.
Study stand. M. M. Swain. 1,854,721; Apr. 19.
Stuffer. C. W. Hottmann. 1,847,690; Mar. 1.
Stuffing apparatus. C. B. Matz. 1,842,417; Jan. 26.
Stuffing box. E. Bergsaug. 1,892,377; Dec. 27.
Stuffing box. C. Card. 1,872,117; Aug. 16.
Stuffing box. T. E. Flake. 1,884,642; Oct. 25.
Stuffing box. A. G. Heggem. 1,891,417; Dec. 20.
Stuffing box. C. L. Pruiett. 1,874,478; Sept. 27.
Stuffing box, Liquid cooled. C. B. Buerger. 1,859,378; May 24.
Stuffing machine. E. A. Hathaway. 1,845,412; Feb. 16.
Stuffing-relieving process and apparatus. A. S. Mitchell. 1,882,515; Oct. 11.
Stump burner. E. J. Srieble. 1,841,306; Jan. 12.
Stylus for telautographs. A. N. Van Nostrand. 1,875,833; Sept. 6.
Stylus or the like, Plural member. W. D. La Rue. 1,858,016; May 10.
Styrene, Preparation of. G. L. Dorough. 1,892,386; Dec. 27.
Styrol from mixtures of styrol with materials, Producing vitreous polymerized. J. Ostromislensky and W. A. Gibbons. 1,855,413; Apr. 26.
Styrols, Making. G. W. Jargstorff. 1,870,852; Aug. 9.
Styrols, Making. O. H. Smith. 1,870,876; Aug. 9.
Styrols, Production of. O. H. Smith. 1,870,878; Aug. 9.
Styrols, Production of. O. H. Smith and G. W. Jargstorff. 1,870,877; Aug. 9.
Subcirculation for oil well drilling. F. F. Hill. 1,867,832; July 19.
Subcirculation oil well drilling apparatus with suction pumping. F. F. Hill. 1,867,833; July 19.
Sub-frame for automobile bodies. C. Beck and R. B. Burton. 1,872,671; Aug. 23.
Subharmonic generator, Crystal. W. Albersheim. 1,874,845; Aug. 30.
Submarine. A. R. Neff. 1,870,263; Aug. 9.
Submarine. P. A. Vaile. 1,884,400; Oct. 25.
Submarine amusement device. T. N. Erban. Mar. 15. 1,849,226;
Submarine apparatus. C. Williamson. 1,866,438; July 5.
Submarine boats, Rescuing the crews of. A. Génova. 1,846,178; Jan. 26.
Submarine cable loading coil. W. S. Gorton. 1,881,499; Oct. 11.
Submarine concentric conductor system. W. H. T. Holden. 1,879,746; Sept. 27.
Submarine distress signal. J. Mangione and S. Terranova. 1,863,019; June 14.
Submarine elevator or escape buoy. S. Lake. 1,843,613; Feb. 2.
Submarine escape. C. E. C. Rademacher. 1,864,471; June 21.
Submarine explorations at great depth, Apparatus for. J. T. D'Albay. 1,879,735; Sept. 27.
Submarine life boat. J. Vasquez and M. Bernardez. 1,857,575; May 10.
Submarine obstacles by means of ultra-audible waves, Method and apparatus for sounding and for locating. P. Langevin and C. L. Florison. 1,858,931; May 17.
Submarine or submersible boat. S. Lake. 1,864,837; June 28.
Submarine rescue apparatus. W. A. Sussman. 1,880,999; Oct. 4.
Submarine rescue emerging compartments. A. Belloni. 1,847,996; Mar. 1.
Submarine rescue means. H. E. Grieshaber. 1,881,512; Oct. 11.
Submarine safety vessel. C. H. White. 1,865,663; July 5.
Submarine salvage apparatus. J. Palmieri. 1,890,405; Dec. 6.
Submarine signaling. System and apparatus for. R. L. Williams. 1,883,433; Oct. 18.
Submarine water-duct. P. Boucherot and G. Claude. 1,871,034; Aug. 9.
Submerger. C. B. Cook. 1,877,817; Sept. 20.
Submergible apparatus. H. J. Finn. Re18,472; May 17.
Subsoiler. J. G. Lindeman. 1,855,604; Apr. 26.
Subsoiling attachment for plows. W. Kranz, jr. 1,867,977; July 19.
Substance, Apparatus for the separation of finely divided. R. Fahr and R. Kattke. 1,861,156; May 31.
Substance from cement with or without colors, Preparation of a glassy drying. H. M. De Lange. 1,886,379; Nov. 8.
Substances, Apparatus for the desiccation of. F. H. Douthitt. 1,877,648; Sept. 13.
Substances containing oils, fats, etc., Extraction from. C. Schlotterhose. 1,862,945; June 14.
Substances, Decohering solid. P. G. M. A. Pigache. 1,854,061; Apr. 19.
Substances, Feeding device for solid. L. M. and G. M. Booth. 1,847,292; Mar. 1.
Substances from hypophysis glands, Obtaining active. C. L. Lautenschlager. W. Ludwig, and O. Schaumann. 1,860,469; May 31.
Substances from raw fibrous materials containing the same, and for simultaneously forming the fibrous materials into a web, and a system of apparatus therefor, Extracting water soluble. H. R. Murdock. 1,861,933; June 7.
Substances having a different electrical conductivity from surrounding media, Determining the location of. C. H. Beal and C. E. Miller. 1,839,737; Jan. 5.
Substances, Method of and composition for preserving. L. J. Christmann and D. W. Jayne, jr. 1,864,185; June 21.
Substances, Mixing plastic or fluid. P. M. Orlopp. 1,885,757; Nov. 1.
Substances of the thyroid gland and preparing them, Therapeutically valuable. F. Blum. 1,856,533; May 3.
Substances of which soap is a constituent, Distillation of mixed. W. Gensecke. 1,889,652; Nov. 29.
Substances, Production and recovery of dispersed. L. D. Jones. 1,854,744; Apr. 19.
Substances, Separating. L. D. Jones. 1,872,963; Aug. 23.
Substances, Treating. U. G. Todd. 1,851,266; Mar. 29.
Substances used for cleaning gases, Indicating the exhaustion of. K. Wollin. E. Smolczyk, and H. Engelhard. 1,845,006; Feb. 16.
Substances with heat, Process and apparatus for the treatment of. W. G. Laird. 1,842,179; Jan. 19.
Substitute for natural feed ore. J. M. Hughes, J. H. Carter, and L. B. Perkins. 1,891,889; Dec. 20.
Substitutes for table salt for flavoring purposes, Preparing suitable. A. Liebrecht. 1,874,055; Aug. 30.

Substitution products of anthanthrones. M. A. Kunz, K. Koeberle, and E. Berthold. 1,876,973; Sept. 13.
Substitution products of dibenzopyrenequinones. M. A. Kunz, K. Koeberle, and E. Berthold. 1,892,242; Dec. 27.
Subsurface structures, Mapping. K. Sundberg. 1,884,364; Oct. 25.
Subway announcing apparatus. J. D. Prescott. 1,870,294; Aug. 9.
Sucker rod. L. B. Bridges. 1,849,067–9; Mar. 15.
Sucker rod. H. L. Dardelet. 1,849,075; Mar. 15.
Sucker rod. A. M. Thomson. 1,849,125–3; Mar. 15.
Sucker rod. A. M. Thomson. 1,849,510; Mar. 15.
Sucker rod joint. M. W. Carroll. 1,853,299; Apr. 12.
Sucrose from cane molasses, Recovering. A. L. Holven. 1,878,144; Sept. 20.
Sucrose from cane molasses, Recovery of. A. L. Holven. 1,878,145; Sept. 20.
Suction engagements device. H. Hueber. 1,845,969; Feb. 16.
Suction box dresser. F. M. Williams. 1,869,789; Aug. 2.
Suction box oscillating means. J. W. Vedder. 1,881,105; Oct. 4.
Suction cleaner. H. R. Ballou. 1,852,100; Apr. 5.
Suction cleaner. B. C. Becker. 1,883,327; Oct. 18.
Suction cleaner. H. H. Boyer. 1,864,182; June 21.
Suction cleaner. E. Butzer. 1,848,314; Mar. 8.
Suction cleaner. W. C. Davidson. 1,853,141–12; Apr. 12.
Suction cleaner. W. C. Davidson. 1,878,384; Sept. 20.
Suction cleaner. J. B. Dyer. 1,880,915; Oct. 4.
Suction cleaner. H. C. Fuller. 1,849,710; Mar. 22.
Suction cleaner. A. T. Jones. 1,878,856; Sept. 20.
Suction cleaner. W. H. Kitto. 1,878,858; Sept. 20.
Suction cleaner. H. H. Losey. 1,884,013; Oct. 25.
Suction cleaner. M. F. Lowry. 1,866,118; July 5.
Suction cleaner. C. E. Lucke. 1,858,370; May 17.
Suction cleaner. C. McClatchie. 1,853,133; May 3.
Suction cleaner. W. V. Orr. 1,856,136; May 3.
Suction cleaner. A. F. Sluss. 1,850,731; Mar. 22.
Suction cleaner. D. G. Smellie. 1,849,204; Jan. 19.
Suction cleaner. D. G. Smellie. 1,851,651; Mar. 29.
Suction cleaner. D. G. Smellie. 1,878,901; Sept. 20.
Suction cleaner. D. G. Smellie. 1,889,224; Nov. 29.
Suction cleaner. D. G. Smellie. 1,891,505–4; Dec. 20.
Suction cleaner. R. L. Swartz. 1,878,914; Sept. 20.
Suction cleaner. H. B. White. 1,846,702; Feb. 23.
Suction cleaner. H. B. White. 1,864,782; June 28.
Suction cleaner. H. B. White. 1,882,464; Oct. 11.
Suction cleaner. H. B. White. 1,888,339; Nov. 22.
Suction device and attachment therefor. E. Nielsen. 1,882,441; Oct. 1.
Suction cleaner, Electric. L. W. Pardee. 1,843,901; Feb. 2.
Suction cleaner, Portable. A. A. Breuer. 1,868,519; July 26.
Suction comb. J. F. H. Fechtenburg. 1,859,132; May 17.
Suction cup. O. C. Ritz-Woller. 1,859,893; May 24.
Suction cup. J. C. Strickler. 1,870,694; Aug. 9.
Suction device for gathering molten glass. R. W. Canfield. 1,878,576; Sept. 20.
Suction gathering cup. K. E. Peiler. 1,845,810; Feb. 16.
Suction gathering or forming machine. K. E. Peiler. 1,891,896; Dec. 20.
Suction-massage apparatus. F. A. Roehm. 1,882,040; Oct. 11.
Suction producing device. A. C. Nelson. 1,868,758; July 26.
Suction producing means for suction operated motors. W. E. Edwards. 1,873,320; Aug. 23.
Suction roll. A. N. Russell. 1,862,909; June 14.
Suction roll, Press felt. E. E. Berry. 1,880,687; Oct. 4.
Suction supporting device. E. C. Bell. 1,842,383; Jan. 26.
Sugar and products resulting therefrom, Coloring and flavoring. T. Clarke. 1,841,432; Jan. 19.
Sugar, Apparatus for packing. C. Schuchmann. 1,851,451; Mar. 29.
Sugar cane mill. W. Sharp. 1,846,914; Feb. 23.
Sugar crystallizer. D. A. Walsh. 1,890,632; Dec. 13.
Sugar dispenser. W. T. Eisenhardt. 1,883,640; Oct. 18.
Sugar extraction, Recovery of by products of. E. A. Vazquez. 1,876,522; Sept. 6.
Sugar from cane molasses and the like, Extraction of. G. P. Meade and R. N. Traxler. 1,884,798; Oct. 25.
Sugar from cane molasses containing glucose, Extracting. G. L. Spencer. 1,884,901; Oct. 25.
Sugar from diffused beets, Production of. W. K. Melrose and C. Stead. 1,849,998; Mar. 15.
Sugar-fruits, Apparatus for the automatic production of inspissated. B. Gernhardt. 1,861,307; May 31.
Sugar, Manufacture of. E. R. Ramsey and A. W. Bull. 1,860,321; May 24.
Sugar, Manufacture of. E. R. Ramsey and A. W. Bull. 1,868,466; July 26.
Sugar molding machine. J. F. Charnock. 1,869,005; July 26.
Sugar, Production of dry. S. L. Ames. 1,840,075; Jan. 5.
Sugar, Purification of wood. E. Fürber. 1,863,654; June 21.
Sugar, Refining. C. A. Spreckels. 1,862,719; June 14.
Sugar, Refining. W. P. Spreckels. 1,844,020; Feb. 9.
Sugar solutions, Purifying. C. Ebert, W. B. Newkirk, and M. Moskowitz. 1,889,779; Dec. 6.
Sugar sweetmeats and the like, Process of and apparatus for manufacturing. R. Sollich. 1,890,533; Dec. 13.
Sugars and alcohol from wood, Producing fermentable. W. Babcock. 1,855,464; Apr. 26.
Sugars, Preparing invert. E. N. Ehrhart and L. Wickenden. 1,886,875; Nov. 8.
Suit, Bathing. G. Gassel. 1,868,741; July 26.
Suit, Bathing. R. Lorenz. 1,844,888; Feb. 9.
Suit, Bathing. N. L. Martz. 1,865,029; June 28.
Suit, Bathing. G. E. Rutledge. 1,864,476; June 21.
Suit, Bathing. M. R. Smarr. 1,868,854; July 26.
Suit box machine, Automatic folding and stitching. H. S. Labombarde. 1,854,798; Apr. 19.
Suit, Boy's. J. Eilen. Des. 86,880; May 3.
Suitcase lock. E. B. Stone. 1,871,739; Aug. 16.
Suit, Child's play. A. C. Morand. Des. 87,017; May 24.
Suit device, Aerial safety. P. F. Gorman. 1,875,807; Sept. 6.
Suit for female wear, Combination gymnasium. M. J. Rosenberg. 1,889,701; Nov. 29.
Suit, Gymnasium. A. K. Baer. Des. 86,346; Mar. 1.
Suit hanger. H. C. Cuscaden. 1,867,614; July 19.
Suit, Inflated swimming. O. Simon, Jr. 1,866,062; July 5.
Suit, Play. G. F. Earnshaw. 1,852,993; Apr. 5.
Suit, specially for airmen, manners, and the like, Life-saving. A. Ig. 1,851,100; Mar. 29.
Suit, Swim. E. H. Foreman. 1,889,855; Dec. 6.
Suit, Swimming. A. C. Colton. 1,848,160; Mar. 8.
Suit, Swimming. R. H. Dibble. 1,867,445; July 12.
Suit, Swimming. M. G. Monroe. 1,886,416; Nov. 8.
Suit, Swimming. C. P. Sutton. 1,853,386; Apr. 12.
Suit, Swimming. W. L. Young. Des. 87,377; July 12.
Sulfoderivatives of higher fatty acids and making same, New. G. Kalischer and K. Keller. 1,851,102; Mar. 29.
Sulky. W. Hann. 1,863,412; June 14.
Sulphate of potassium from calcium containing sulphates, Extraction and manufacture of. K. Büchner. 1,854,887; Apr. 19.
Sulphates from mixed sulphide materials and the recovery of values therefrom, Producing. G. C. Carson. 1,890,934; Dec. 13.
Sulphates, Making metallic. S. S. Svendsen. 1,889,710; Nov. 29.
Sulphates, Preparling alkyl. R. D. Taveau. 1,845,007; Feb. 16.
Sulphates, Solid titanic. F. Raspe and P. Weise. 1,850,154; Mar. 22.
Sulphide and its preparation, Stable selenium. B. W. Nordlander. 1,860,154; May 24.
Sulphide and its preparation, Stable selenium. B. W. Nordlander. 1,860,281; May 24.
Sulphide ores and production of sulphuric acid thereby, Treating. G. C. Carson. 1,857,494; May 10.
Sulphide, Producing hydrogen. J. Lynn, E. M. Allen, and B. K. Beecher. 1,862,900; June 14.
Sulphides, Recovery of. E. Janecke and H. Klippel. 1,851,668; May 31.
Sulphite cellulose digestion. G. Haglund. 1,848,780; Mar. 8.
Sulphite liquor, Treating waste. G. C. Howard. 1,856,558; May 3.
Sulpho groups from anthraquinone sulphonic acid derivatives, Splitting off. R. E. Schmidt. 1,855,318; Apr. 26.
Sulphocyanic groups in aliphatic compounds, New process for. H. P. Kaufmann. 1,859,399; May 24.
Sulphonation products and making same. F. Felix and O. Albrecht. 1,858,662; May 17.
Sulphur burner. J. W. Stevens. 1,883,063; Oct. 18.
Sulphur compounds such as thiophene and its derivatives, Process for the manufacture of cyclic. E. T. Hessle. 1,877,478; Sept. 13.
Sulphur dioxide, hydrogen sulphide or both in gas mixtures, Determining. A. R. Henninger. 1,840,952; Jan. 12.
Sulphur dioxide, Reduction of. M. C. Boswell. 1,880,741; Oct. 4.
Sulphur dyestuffs in substance or on the fiber, Manufacture of substituted. F. Kraemer. 1,872,947; Aug. 23.
Sulphur-dyestuffs and preparing them, New. O. Bayer, W. Hohenemser, and K. Larbig. 1,886,365; Nov. 8.
Sulphur, Fire-proofing. W. H. Robbé. 1,855,818; Apr. 12.
Sulphur from fuel gases, Removal of. S. G. Watson and E. J. Henshaw. 1,856,301; May 3.
Sulphur from gasoline or the like, Removal of. H. N. Holmes. 1,882,146; Oct. 11.
Sulphur from oils, Removing. A. P. Sachs. 1,872,349; Aug. 16.
Sulphur from roaster gases, Recovery of. R. F. Bacon. 1,852,220; Jan. 19.
Sulphur from roaster gases, Recovery of. R. F. Bacon. 1,852,637; Apr. 5.
Sulphur from smelter smoke, Economic recovery of. A. M. Thomsen. 1,857,414; May 10.
Sulphur from sulphur dioxide, Recovery of. R. F. Bacon. 1,840,076; Jan. 5.
Sulphur, Mining. W. T. Lundy and W. Drachenberg. 1,878,158; Sept. 20.
Sulphur, Mining. W. B. Reed. 1,846,358; Feb. 23.
Sulphur-oxygen compounds, Decomposing. C. J. Hansen. 1,843,220; Feb. 2.
Sulphur, Producing. N. E. Lenander and I. Ryen. 1,850,557; Mar. 22.
Sulphur purification. M. Shoeld. 1,851,411; Mar. 29.
Sulphur recovery and purification. M. Shoeld. 1,841,644; Jan. 19.

Sulphur, Recovery of. R. F. Bacon and I. Bencowitz. 1,870,477–9; Aug. 9.
Sulphur, Recovery of. R. F. Bacon and H. T. Hotchkiss, jr. 1,864,290; June 21.
Sulphur, Recovery of. R. F. Bacon and H. T. Hotchkiss, jr. 1,864,480; June 21.
Sulphur suspension and making same, Concentrated. P. Mondelle and J. Mondelle. 1,868,715; July 26.
Sulphur, Treating. L. S. Bushnell. 1,844,634; Feb. 9.
Sulphur trioxide and catalyst for use in said method, Making. N. A. Laury. 1,862,825; June 14.
Sulphuric acid chamber. R. T. Maudsley. 1,887,816; Nov. 15.
Sulphuric acid process, Contact. A. O. Jaeger. Re18,380; Mar. 8.
Sun bath apparatus. B. Collins. 1,883,764; Oct. 18.
Sundial construction. St. J. O'Sullivan. 1,875,756; Sept. 6.
Sunshade for automobiles. B. F. Walker. 1,892,558; Dec. 27.
Supercharger. G. C. Goode. Re18,671; Nov. 29.
Supercharger. J. T. Trumble. 1,869,787; Aug. 2.
Supercharger. E. M. Wiite. 1,890,705; Dec. 13.
Supercharger for airplane engines. H. L. Russell. 1,856,193; May 3.
Supercharger for magnets. B. J. Haskins. 1,849,085; Mar. 15.
Supercharging apparatus. J. T. Trumble. 1,886,989; Nov. 8.
Superheater. C. W. Gordon. 1,883,708; Oct. 18.
Superheater. A. Huet. 1,843,132; Feb. 2.
Superheater. H. J. Kerr. 1,883,304; Oct. 18.
Superheater. D. W. Rudorff. 1,884,263; Oct. 25.
Superheater. R. Stein, J. Euler, and W. Puff. 1,866,325; July 5.
Superheater and boiler, Combined. W. H. Armacost. 1,858,872; May 17.
Superheater and connections to boiler drums. H. J. Kerr. 1,863,685; Apr. 12.
Superheater and operating the same. C. E. Lucke. 1,845,301; Feb. 16.
Superheater arrangement. C. W. Gordon. 1,883,705; Oct. 18.
Superheater boiler. W. H. Armacost. 1,866,387; July 5.
Superheater boiler. D. S. Jacobus. 1,880,293; Oct. 4.
Superheater boiler. W. A. Jones. 1,855,915; Apr. 26.
Superheater boiler. J. E. Kavanagh. 1,883,931; Oct. 25.
Superheater boiler. H. J. Kerr. 1,863,055; June 14.
Superheater for explosion engines, Humidified air. F. G. C. Bashford. 1,848,455; Mar. 8.
Superheater for marine boilers. E. A. Geoghegan. 1,887,754; Nov. 15.
Superheater header. R. Stein and H. Frank. 7,869,986; Aug. 2.
Superheater header. B. Woynarowski. 1,884,481; Oct. 25.
Superheater installation. O. Engler. 1,858,143; May 10.
Superheater, Radiant heat. H. J. Kerr. 1,883,300; Oct. 18.
Superheater, Single header multiple-pass. C. S. Turner. 1,863,174; June 14.
Superheater, Waste gas. L. A. Mehler and E. J. Westcott. 1,881,881; Oct. 11.
Superheterodyne receiver. W. A. MacDonald. 1,881,235; Oct. 4.
Superheterodyne receiver control. W. van B. Roberts. 1,853,179; Apr. 12.
Super-heterodyne receivers, Operating. H. A. Wheeler. 1,878,614; Sept. 20.
Superphosphate, Producing. M. D. Broadfield. 1,871,416; Aug. 9.
Supervisory system. C. E. Stewart. 1,847,908; Mar. 1.
Supervisory system, Watchman's. C. E. Lomax and O. C. Levy. 1,858,554; May 17.
Supply carrier for braiding machines. H. G. Robinson. 1,878,890; Sept. 20.
Supply installation for central chassis lubrication. J. Bijur. 1,892,133; Dec. 27.
Support. V. Bendix. 1,872,572; Aug. 23.
Support. B. S. Gallagher and W. J. Emmons. 1,864,814; June 28.
Support. A. Gastonguay and G. Fuller. 1,854,832; Apr. 19.
Support. G. A. Howell. 1,857,722; May 10.
Support. J. Laskus. 1,840,406; Jan. 12.
Support. A. S. Luff. 1,871,625; Aug. 16.
Support. J. Stanitz. 1,861,100; May 31.
Support. W. S. Watts. 1,873,086; Aug. 23.
Support. C. H. Young. 1,875,403; Sept. 6.
Support, Adjustable. I. S. Crocker. 1,854,020; Apr. 12.
Support, Adjustable arch. J. C. Howell. 1,890,382–3; Dec. 6.
Support, Adjustable body. E. W. Letzig. 1,840,675; Jan. 12.
Support, Adjustable bracket. C. Newman and E. G. Appleton. 1,839,250; Jan. 5.
Support, Adjustable cushion. J. A. Luarde. 1,886,112; Nov. 1.
Support, Adjustable foot. W. E. Copithorn. 1,853,550; Apr. 12.
Support, Adjustable garment. W. H. Parker and A. P. Canpo. 1,858,595; May 17.
Support, Adjustable roof scaffold. A. O. Nelson. 1,864,457; June 21.
Support, Adjustable shelf. S. Hammer. 1,875,318; Sept. 6.
Support, Adjustable tool. A. J. Kilmer. 1,889,248; Nov. 29.
Support, Adjustable tray. A. A. Anderson. 1,877,784; Sept. 20.
Support, Aircraft truss. H. D. Hoekstra. 1,843,364; Feb. 2.
Support, Airway cleaner. D. B. Replogle. 1,884,866; Oct. 25.
Support and adjustment for speaking movie exciter lamps. A. Dina. 1,863,300; June 14.
Support and adjustment for speaking movie photo cell. A. Dina. 1,847,643; Mar. 1.
Support and ash tray, Cigar. A. Brandt. 1,842,654; Jan. 26.
Support and candling device, Combined egg tray. J. L. Robbins. 1,846,756; Feb. 23.
Support and canopy holder, Fixture. J. B. Glowacki. 1,841,727; Jan. 19.
Support and connection, Battery. H. J. Ludewig. 1,840,240; Jan. 5.
Support and display rack for roll material. R. H. Knittle. 1,887,269; Nov. 8.
Support and housing for calculating machines. A. A. Horton. 1,858,778; May 17.
Support and irrigating device, Flower pot. H. J. Benz. 1,879,784; Sept. 27.
Support and operating means therefor, Drapery and curtain. H. Reubel. 1,857,768; May 10.
Support and pickling rack, Combined. G. U. Hilliard. 1,885,375; Oct. 18.
Support and rope washer, Combined clothesline. S. Mazzella. 1,842,278; Jan. 19.
Support and shoe protector, Trackman's arch. C. Hagg and E. C. Lager. 1,872,573; Aug. 16.
Support and spacer, Bar. L. Lampert. 1,871,809; Aug. 16.
Support and spacer for stacking boxes. A. W. Burks. 1,849,659; Mar. 15.
Support and used needle receptacle, Sound box. A. Weiland. 1,843,523; Feb. 2.
Support, Arch. A. R. Bonfield. 1,853,296; Apr. 12.
Support, Arch. C. H. Freeman. 1,866,557; July 12.
Support, Arch. C. T. Read. 1,845,631; Feb. 16.
Support, Arch. H. A. Tallman. 1,870,758; Aug. 9.
Support, Article. E. C. Boyce. 1,839,293; Jan. 5.
Support, Article. M. Howard. 1,890,032; May 24.
Support, Article. L. M. Richard. 1,859,221; May 17.
Support, Automobile engine. H. Glassock. 1,867,070; July 12.
Support, Balance. W. L. Clark. 1,857,623; May 10.
Support, Bar. R. R. Robertson. 1,887,890; Nov. 15.
Support, Bathtub. J. B. Martens. 1,882,514; Oct. 11.
Support, Beef chilling. H. Hickox. 1,844,744; Feb. 23.
Support, Bell rod swivel. A. G. McKee. 1,865,476; July 5.
Support, Beverage mixer. L. Grauman. 1,888,798; Nov. 22.
Support, Body. W. I. Clements. 1,891,747; Dec. 20.
Support, Book. H. C. Bennetch. 1,876,387; Sept. 6.
Support, Book. M. A. Brown. 1,866,394; July 5.
Support, Book. B. E. Dahlgren. 1,864,807; June 28.
Support, Book. G. Horwich. 1,846,555; Feb. 23.
Support, Book. J. Ramage. 1,879,484; Sept. 27.
Support, Bottle. M. L. Benoit. 1,841,395; Jan. 19.
Support, Bottle. L. W. Hassensall. 1,885,519; Nov. 1.
Support, Bottle. S. Malti and S. Melitta. 1,863,163; June 14.
Support, Box. S. N. Buchanan. 1,847,169; Mar. 1.
Support, Box and fixture. G. C. Thomas, jr. 1,873,509; Aug. 23.
Support, Brake beam safety. H. S. Hart. 1,890,989; Dec. 13.
Support, Brake rod. C. E. Wellman. 1,882,351; Oct. 11.
Support, Cable. F. H. Miller and G. M. Barrow. 1,871,236; Aug. 9.
Support, Cable. W. W. Woodruff and R. L. Jenner. 1,841,656; Jan. 19.
Support, Camera. N. D. Potter. 1,878,320; Sept. 20.
Support, Canopy. N. P. Larsen. 1,867,272; July 12.
Support, Ceiling slab. F. J. Straub. 1,876,359; Sept. 6.
Support, Chassis. G. F. Yevseyeff. 1,892,198; Dec. 27.
Support, Chin. E. Lehman. 1,879,852; Sept. 27.
Support, Christmas tree ornament. B. F. Jones. 1,841,028; Jan. 12.
Support, Clinical waste-bag. F. R. Hart. 1,867,971; July 19.
Support, Clothesline. B. Fridholm. 1,880,082; Sept. 27.
Support, Clothesline. G. Olivieri. 1,857,738; May 10.
Support, Coil spring longitudinal arch. W. Seigle. 1,848,203; Mar. 8.
Support, Collapsible canopy. V. P. Nelson. 1,877,192; Sept. 13.
Support, Collapsible tube. S. E. Gunnison. Des. 88,288; Nov. 15.
Support, Collar. G. Wordingham. 1,855,536; Apr. 26.
Support, Combined cable and wire. G. J. Jessen. 1,841,479; Jan. 19.
Support, Combined workbench, cabinet, and tool. H. T. Bodkin. 1,860,071; May 24.
Support, Compensating lid. J. H. Teaf. 1,853,708; Apr. 12.

Support, Concrete form. G. A. Haynes. 1,844,760; Feb. 9.
Support, Conductor. A. O. Austin. 1,847,461; Mar. 1.
Support, Conductor. A. O. Austin. 1,876,580; Sept. 13.
Support, Conductor. C. C. Martin. 1,886,709; Nov. 8.
Support, Conductor. S. S. Matthes. 1,847,568; Mar. 1.
Support, Conduit. M. G. Tormo. 1,849,216; Jan. 5.
Support, Container. H. M. Nicholls. 1,857,391; May 10.
Support, Conveyer belt. P. G. Hentz. 1,879,232; Sept. 27.
Support, Curtain. F. Ellinger. 1,856,752; May 3.
Support, Curtain. F. E. Mauslin. 1,845,256; June 21.
Support, Curtain. R. C. Vogt. 1,857,990; May 10.
Support, Curtain and adjustable shade. F. A. Lovrich. 1,862,496; June 14.
Support, Curtain crane. J. H. Boye. 1,885,407; Nov. 1.
Support, Cushion. J. H. Wood. 1,867,431; July 12.
Support, Cushioned cable. A. W. Malone. 1,884,036; Oct. 25.
Support, Demountable awning. J. R. Schalk. 1,844,410; Feb. 9.
Support, Dispensing tube. J. F. and H. Smith. 1,892,368; Dec. 27.
Support, Display. E. D. Davis and G. A. Carlson. 1,848,770; Mar. 8.
Support, Display sign. S. Vitali. 1,851,608; Mar. 29.
Support, Divider. L. W. Kennedy. 1,876,423; Sept. 6.
Support, Drapery. R. D. W. Vroom. 1,855,037; Apr. 19.
Support, Electric motor. P. Ostenberg. 1,846,903; Feb. 23.
Support, Engine. H. A. Flogaus. 1,885,815; Nov. 1.
Support, Equalizing. F. R. Wallace and J. T. Ramsden. 1,875,285; Aug. 30.
Support, Fabric canopy. J. H. Bonnet. 1,863,963; June 21.
Support, Filament. J. S. Van Horne. 1,886,991; Nov. 8.
Support, Fire extinguisher. H. E. Heigis. 1,879,228; Sept. 27.
Support, Fishing rod. J. Van Duzer. 1,876,478; Sept. 6.
Support, Fixture. S. N. Buchanan. 1,843,201; Feb. 2.
Support, Fixture. W. H. Pleiss. 1,852,262; Apr. 5.
Support, Fixture. G. G. Saaf. 1,842,691; Jan. 26.
Support, Flexible arch. J. C. Howell. 1,890,384; Dec. 6.
Support, Floating. M. A. Henker. 1,879,745; Sept. 27.
Support, Floor screed. C. Pilj. 1,852,673; Apr. 5.
Support, Flume joint. L. W. Wyman. 1,858,427; May 17.
Support, Fly paper. J. V. S. Bloodgood. 1,861,378; May 31.
Support, Folding. G. W. Caverly. 1,854,981; Apr. 19.
Support for airway cleaners. D. B. Replogle. 1,884,867; Oct. 25.
Support for articles of furniture, Work. R. F. Bullen. 1,870,553; Aug. 9.
Support for automobile drivers, Leg. C. L. Miller, jr. 1,885,750; Nov. 1.
Support for automobiles, Spare tire. M. Kuzmicz. 1,845,292; Feb. 16.
Support for baby swings, Collapsible. G. H. Rogers, jr. 1,866,175; July 5.
Support for bed bottoms and the like, Spring. F. Kusterie. 1,858,780; May 17.
Support for benches and the like. W. F. Costello. 1,887,399; Nov. 8.
Support for blowtorches. S. Batherman. 1,858,656; May 17.
Support for books and the like. H. E. Bennett. 1,888,257; Nov. 22.
Support for boots and shoes, Arch. J. A. Reid. 1,886,976; Nov. 8.
Support for brake rods, Safety. S. A. Crone. 1,867,000; July 12.
Support for building construction, Adjustable shelf-angle. F. D. Reiland. 1,872,813; Aug. 23.
Support for buildings, Roof. E. R. St. John. 1,885,781; Nov. 1.
Support for chairs, Adjustable reading. M. C. Wine. 1,886,509; Nov. 8.
Support for collapsible tubes. C. R. Keiser. 1,879,751; Sept. 27.
Support for conductors, Wood. H. O. Austin. 1,876,577; Sept. 13.
Support for cultivators, Tool. W. Grams. 1,862,304; June 7.
Support for cupola buckets. C. A. Hardy. 1,862,185; June 7.
Support for diaphragm transformers. J. D. Seabert. 1,851,804; Feb. 9.
Support for drawing boards or the like. F. L. Johnson. 1,848,566; Mar. 8.
Support for dynamo-electric machines, Combined end plate and brush holder. L. B. Ehrlich. 1,874,000; Aug. 30.
Support for electric discharge devices. F. Fleckenstein and G. W. Müller. 1,873,834; Aug. 23.
Support for exhaust devices, Portable. J. Sunnen. 1,880,293; Oct. 4.
Support for flowerpots and the like. J. Halberstadter. 1,852,650; Apr. 5.
Support for food mixers, Adjustable. E. R. Mross. 1,862,826; June 14.
Support for footwear, Arch. J. May. 1,877,522; Sept. 13.
Support for gear cutting machines, Arbor. R. Reinecker. 1,885,628; Nov. 1.
Support for golf bags. A. M. Hansen and J. L. Jones. 1,865,689; July 5.
Support for gyro compasses. E. C. Sparling. 1,880,992; Oct. 4.
Support for hardness testers, Test piece. C. H. Wilson. 1,890,923; Dec. 13.
Support for hot tops. E. J. Kaufman. 1,874,304; Aug. 30.
Support for hot tops. E. L. Messler. 1,863,574; June 21.
Support for insulator. E. Burke. 1,880,766; Oct. 4.
Support for invalids. J. E. Harrison. 1,888,592; Nov. 22.
Support for ironing boards, Clothes. L. E. McLain. 1,871,813; Aug. 16.
Support for ironing machine rolls. W. H. Jaxheimer. 1,849,499; June 7.
Support for ironing machine rolls. J. H. Skitt. 1,879,556; Sept. 27.
Support for locomotive crosshead guides, Expansion. J. G. Blunt. 1,868,157; July 19.
Support for luminescent tubes. A. J. McMaster. 1,851,503; May 10.
Support for machine guns and the like. L. R. Grumman. 1,851,576; Mar. 29.
Support for motion picture projection machines, Adjustable. L. S. Frappier and E. Boecking. 1,863,369; June 14.
Support for neon signs. R. C. Hyde, J. T. Northcott, and E. O. Erickson. 1,867,836; July 19.
Support for optical micrometers. E. Schweizer. 1,876,665; Sept. 6.
Support for pianographic machines. C. B. Ulrich. 1,855,782; Apr. 26.
Support for pipe carriers, Adjustable. A. H. Renshaw. 1,877,090; Sept. 13.
Support for portable tools, Manual. A. Anderson. 1,882,705; Oct. 18.
Support for power driven units. F. D. Peltier. 1,879,458; Sept. 27.
Support for power tools. E. W. Stevens and D. A. Young. 1,871,757; Aug. 16.
Support for projection machines, Adjustable. L. S. Frappier and E. Boecking. 1,866,096; July 5.
Support for projectors, Mirror. E. C. Richardson and P. Mole. 1,892,438; Dec. 27.
Support for radio tubes, Resilient. C. E. Kilgour. 1,851,673; Mar. 29.
Support for raisedly standing and stepping. O. Pfeifenbring. 1,843,493; Feb. 2.
Support for receptacles. A. J. Patch. 1,841,498; Jan. 19.
Support for saxophones and similar musical instruments. E. V. Powell. 1,891,947; Dec. 27.
Support for seats. A. Brevick. 1,892,380; Dec. 27.
Support for semitrailers, Auxiliary. D. H. Davis. 1,868,971; July 26.
Support for semitrailers, Temporary load. L. E. Williams. 1,891,517; Dec. 20.
Support for serving trays for use on automobiles, Combination. F. F. Ravlin. 1,891,180; Dec. 13.
Support for shelves and the like. H. F. Keil. 1,847,486; Mar. 1.
Support for signs. F. E. Funk. 1,866,530; July 12.
Support for sliding members in knitting machines. G. H. Green. 1,869,416; Aug. 2.
Support for storage tanks, Roof. J. H. Wiggins. 1,852,294; Feb. 23.
Support for tables, Folding leg. W. Hanley. 1,890,986; Dec. 13.
Support for the combination receiver-transmitter of a French telephone. J. J. Casbarro and C. G. De Bloom. 1,849,277; Mar. 15.
Support for the feet. E. Frei. 1,850,835; Mar. 22.
Support for tile partitions. J. H. Ryan. 1,867,329; July 12.
Support for top and bottom cutter head motors of molders. F. J. Kistner. 1,851,256; Mar. 29.
Support for transformers and associated protective apparatus. H. M. Acly. 1,867,394; July 12.
Support for undergarments, Corpse bend. J. H. Sweeney. 1,845,853; Feb. 16.
Support for use in mines, Roof. F. Cookson. 1,858,954; May 17.
Support for vacuum tubes, Nonmicrophonic. C. A. Gunther. 1,860,178; May 24.
Support for vehicle bodies, Antivibration. A. Hupp. 1,854,794; Apr. 19.
Support for washing machines. A. W. Altorfer. 1,857,930; May 10.
Support for weighing scales, Adjustable fulcrum. F. C. Fisher. 1,872,920; Aug. 23.
Support for workbenches, Drawer. H. T. Hallowell and F. Bennett. 1,866,464; July 5.
Support, Frame. J. A. Wernsten. 1,892,023; Dec. 27.
Support, Furniture. F. Brabson. 1,887,283; Nov. 8.
Support, Garment. W. F. Augustin. 1,882,727; Oct. 18.
Support, Garment. R. P. Brown. 1,866,081; July 5.
Support, Garment. G. Greenberg. 1,861,959; June 7.
Support, Hanger. M. Victorsohn. 1,858,531; May 17.
Support, Heel and arch. H. H. Ahern. 1,858,178; May
Support, Golf bag. W. H. Gunther. 1,887,838; Nov. 15. 10.
Support, Hinge. G. W. Aldeen. 1,854,440; Apr. 19.
Support, Hinged. R. A. Aldeen and T. H. Erickson. 1,851,747; Mar. 29.
Support, Insulating. W. H. Boyce. 1,868,723; July 26.

Support, Invalid's. N. E. Maphet. 1,890,396; Dec. 6.
Support, Last. H. G. Ellis. 1,852,802; Apr. 5.
Support, Locomotive boiler. J. G. Blunt. 1,861,949; June 7.
Support, Mail box. C. H. Fuller. 1,888,119; Nov. 15.
Support, Machine. C. A. Weiss. 1,853,104; Apr. 12.
Support, Memorandum. H. E. Dock. 1,865,241; June 28.
Support, Nursing bottle. P. Falvo. 1,857,715; May 10.
Support, Nursing bottle. S. M. Fiegel. 1,867,969; July 19.
Support or stand for stationary. L. F. McCarthy. 1,840,783; Jan. 12.
Support, Outlet box. R. F. Cluny. 1,853,203; Apr. 12.
Support, Photographic camera. J. G. Zuber. 1,863,891; June 21.
Support, Pipe carrier. W. F. Bossert. 1,878,100; Sept. 20.
Support, Pipe carrier. E. K. Post. 1,849,183; Feb. 16.
Support, Plant. R. C. Kreimer. 1,843,366; Feb. 2.
Support, Portable saw. J. H. Hughes. 1,865,759; July 5.
Support, Poster. J. T. Greenlee. 1,867,565; July 19.
Support, Printing press cylinder. J. E. Lee. 1,888,463; Nov. 22.
Support, Quilt. W. A. McMilion. 1,852,355; Apr. 5.
Support, Reading. K. Draxler. 1,872,911; Aug. 23.
Support, Receptacle. L. V. Aronson. 1,851,560; Mar. 29.
Support, Reenforce. D. H. Bitney. 1,850,710; Oct. 4.
Support, Reflector. C. R. Ludet. 1,888,607; Nov. 22.
Support, Resilient. J. R. Replogle. 1,880,280; Oct. 4.
Support, Resilient. D. D. Richardson. 1,856,740; Nov. 8.
Support, Resilient. H. Russell. 1,869,077; July 5.
Support, Resilient furniture slat. B. J. Boeckermann. 1,879,786; Sept. 27.
Support, Resilient. J. C. Woodson and O. A. Colby. 1,861,947; June 7.
Support, Road vehicle. J. G. Lindeman. 1,840,402; Jan. 12.
Support, Rock drill. E. F. Terry, jr. 1,868,373; July 19.
Support, Rotary plant. F. H. Ahee. 1,859,352; May 24.
Support. H. H. Russell. 1,869,077; Nov. 29.
Support, Sash cord. J. Kreimer and D. G. Dewar. 1,891,265; Dec. 20.
Support, Scaffold. J. R. Adams. 1,878,802; Sept. 20.
Support, Scaffold. F. Hoffman. 1,879,244; Sept. 27.
Support, Scaffolding. R. J. Tobin. 1,886,921; Nov. 8.
Support, Seat. L. B. Sperry. 1,864,282; June 21.
Support, Shelf. F. R. Eaglesfield. 1,872,429; Aug. 16.
Support, Shelf. E. J. Vogt. 1,852,598; Apr. 5.
Support, Shirt and sock. O. B. Kayser. 1,859,097; May 17.
Support, Shock absorbing seat. J. Y. Turner. 1,880,181; Sept. 27.
Support, Sign. M. K. Markman. 1,857,314; May 10.
Support, Sign. G. Raby. 1,848,025; Mar. 1.
Support, Speiter furnace condenser. M. C. Skinner. 1,889; July 26.
Support, Stoker. G. M. Myers. 1,851,642; Mar. 29.
Support structure. E. A. Leary. 1,870,915; Aug. 9.
Support structure for condenser tubes. F. L. Yetter. 1,839,910; Jan. 5.
Support, Spring clip plant. H. Dobbins. 1,890,217; Dec. 6.
Support, Strap. A. Rhinehart. 1,891,112; Dec. 13.
Support, Surgical. F. J. Stuart. 1,878,913; Sept. 20.
Support, Swingable garment hanger. A. R. Spikings. 1,891,844; Dec. 20.
Support, Table slide. F. B. Walter. 1,883,176; Oct. 18.
Support, Tent. F. Amos. 1,843,312; Feb. 2.
Support, Trace. H. V. Hanson. 1,884,670; Oct. 25.
Support, Track rail. H. G. Traver. 1,847,733; Mar. 1.
Support, Transmission line. A. O. Austin. 1,847,462; Mar. 1.
Support, Transmission line. A. O. Austin. 1,885,317–18; Nov. 1.
Support, Transmission line. R. L. Jenner and F. E. Chester. 1,888,534; Nov. 22.
Support, Tray. F. Fonton. 1,886,582; Nov. 8.
Support, Tree. J. Mock. 1,853,164; Apr. 12.
Support, Trousers. A. L. Andrews. 1,886,617; Nov. 8.
Support, Trousers. J. H. Langrock. 1,881,704; Oct. 11.
Support, Tube. H. J. Kerr. 1,866,370; July 12.
Support, Tube element. C. A. Horn and R. J. Heitzman. 1,868,604; July 26.
Support, Tubing. R. V. Crowell. 1,856,469; May 3.
Support, Vehicle. M. W. Hard. 1,869,420; Aug. 2.
Support, Wall fixture. J. A. Hoegger. 1,887,641; Nov. 15.
Support, Ware. P. D. Dressler. 1,885,691; Nov. 1.
Support, Web roll. F. Lamatsch. 1,859,301; May 24.
Support, Webbing. S. L. Warren. 1,867,607; July 19.
Support, Weight indicating. A. M. Bevier. 1,860,647; May 31.
Support, Window. J. M. Keller. 1,865,259; June 28.
Support, Window display. J. W. Dempsey. 1,852,449; Apr. 5.
Support, Window shade and curtain. J. L. Reeder. 1,847,892; Mar. 1.
Support, Work. L. G. Dingeldey. 1,852,152; Apr. 5.
Support, Work. F. N. La Chappelle. 1,841,610; Jan. 19.
Supporter and delivery mechanism, Package. D. Campbell. 1,854,446; Apr. 19.
Supporter and hose, Combined hose. N. E. Rickey. 1,891,690; Dec. 20.
Supporter, Arch. F. J. Monoghan. 1,877,525; Sept. 13.
Supporter, Athletic. J. J. Cartledge. 1,880,795; Oct. 4.
Supporter, Athletic. C. K. Lane. 1,868,610; July 26.
Supporter, Collar. E. W. Wilson. 1,876,814; Sept. 13.
Supporter, Combined collar button and tie. E. R. Woods. 1,839,631; Jan. 5.
Supporter, Detachable hose. H. D. Rose. 1,840,793; Jan. 12.
Supporter, External shank. C. T. Read. 1,850,688; Mar. 22.
Supporter for wearing apparel. O. G. Stoffregen. 1,886,754; Nov. 8.
Supporter for wire stitching machine, Adjustable. T. A. Gibson. 1,852,298; Apr. 5.
Supporter for women, Hose. E. Donaldson. 1,874,089; Aug. 30.
Supporter, Garden hose. F. S. Wilber and A. W. Hollister. 1,865,989; July 5.
Supporter, Garment. C. E. Ansley. 1,860,727; May 31.
Supporter, Garment. C. B. Battin. 1,889,768; Dec. 6.
Supporter, Garment. H. S. Bozorth, jr. 1,856,152; May 3.
Supporter, Garment. J. J. Farrell. 1,845,255; Feb. 16.
Supporter, Garment. G. J. Lyons. 1,887,939; Nov. 15.
Supporter, Hose. I. Roth. 1,888,291; Nov. 22.
Supporter, Bust. J. C. Gifford. 1,890,507; Dec. 13.
Supporter, Hose. G. Hawie. 1,841,181; Jan. 12.
Supporter, Hose. C. J. Hazelton. 1,855,144; Apr. 19.
Supporter, Hose. J. J. Jacobs. 1,848,722; Mar. 8.
Supporter, Hose. M. M. Kapitzky. 1,856,958; May 3.
Supporter, Hose. C. Robertson. 1,849,688; Mar. 15.
Supporter, Hose. J. N. Sime. 1,884,310; Oct. 25.
Supporter, Hose. J. G. Tompkins. 1,859,810; May 24.
Supporter loop, Garment. G. I. Jeralds. 1,872,461; Aug. 16.
Supporter, Plant stalk. L. G. Lenon. 1,875,618; Sept. 6.
Supporter, Sock. L. Woods. 1,877,108; Sept. 13.
Supporting and display rack. G. Subick. 1,869,226; July 26.
Supporting and heating attachment for open grates, Reversible. C. M. Gibbs. 1,846,129; Feb. 23.
Supporting and operating means for doors. G. B. Ayers. 1,881,014; Oct. 4.
Supporting and operating means for doors. G. B. Ayers. 1,881,015; Oct. 4.
Supporting and ratchet bracket, Combined. W. A. Bracken. 1,860,228; May 24.
Supporting and ratchet bracket, Combined. W. A. Bracken. 1,860,921; May 31.
Supporting and retaining means for rails. C. D. Young. 1,868,936; Dec. 1.
Supporting apparatus, Extensible. O. J. Moehler. 1,852,785; Apr. 5.
Supporting articles on wearing apparel. A. E. Houghton. 1,879,254; Sept. 27.
Supporting bracket, Price card. P. H. Meyer. 1,848,262; Mar. 8.
Supporting bracket, Shade. R. Jenkins. 1,866,308; July 5.
Supporting device. S. N. Buchanan. 1,874,435; Aug. 30.
Supporting device. C. I. Geddes. 1,886,090; Nov. 1.
Supporting device. T. M. Keefe. 1,891,048; Dec. 13.
Supporting device. G. E. Wahlberg. 1,841,231; Jan. 12.
Supporting device and forming the same. T. Schmitt. 1,858,465; May 17.
Supporting device, Cleaning material. L. S. Hirth. 1,886,338; Nov. 1.
Supporting device, Drapery. J. S. Vance. 1,862,836; June 14.
Supporting device for bodies on water, Stabilizing. S. Feir. 1,866,200; July 5.
Supporting device for electrical equipment. W. A. Heinrich. 1,877,312; Sept. 13.
Supporting device for kitchen utensils and the like. F. W. Bleckley. 1,892,500; Dec. 27.
Supporting device for telephones. N. P. Larsen. 1,867,271; July 12.
Supporting device for triplex web presses, Web roll. H. A. W. Wood. 1,865,668; July 5.
Supporting device for vehicles. A. J. M. Garnier. 1,863,105; June 14.
Supporting device, Lamp. G. D. Gould. 1,888,723; Nov. 22.
Supporting device, Mirror. C. L. Knutson. 1,863,060; June 14.
Supporting device or catafalque. J. L. Franzen. 1,875,435; Sept. 6.
Supporting device, Portable. H. Neuwirth. 1,863,761; June 21.
Supporting device, Poster. J. W. Dixon. 1,846,798; Feb. 23.
Supporting, driving, and braking mechanism, Tandem multiple. P. Mehrer. 1,877,930; Sept. 20.
Supporting means, Adjustable. S. N. Buchanan. 1,855,751; Apr. 26.
Supporting means, Floor rack. M. S. Johnson. 1,846,425; Feb. 23.
Supporting means for agitator mechanism. R. M. Temple. 1,879,774; Sept. 27.
Supporting means for aircraft sustaining rotors. R. W. Morse. 1,851,368; Mar. 29.
Supporting means for car doors. K. J. Tobin. 1,883,114; Oct. 18.
Supporting means for car doors. K. J. Tobin and W. W. Darrow. 1,840,065; Jan. 5.

Supporting means for compressed oxide of copper battery electrodes. M. A. Martus. 1,855,917; Apr. 26.
Supporting means for conveying and transporting vehicles. H. Runte. 1,889,296; Nov. 29.
Supporting means for disk plow shafts. J. B. Mapp and F. W. Hoeme. 1,873,655; Aug. 23.
Supporting means for electrical heating elements. E. L. Smalley. 1,853,382; Apr. 12.
Supporting means for fermentation tubes and the like. H. Comer. 1,863,297; June 14.
Supporting means for screens and storm sashes, Friction. D. E. Shrunger. 1,858,602; May 17.
Supporting means for sliding door track rails. J. A. Dries. 1,869,368; Aug. 2.
Supporting means for web rolls. L. W. Claybourn. 1,878,264; Sept. 20.
Supporting rack structure. E. H. Fahrney. 1,890,939; Dec. 13.
Supporting rapidly rotated shafts, Protectively. E. A. Forsberg. 1,876,656; Sept. 13.
Supporting roof strata during the mining of minerals. W. P. Taber. Re18,491; June 14.
Supporting soot cleaner heads. F. C. Arey. 1,874,151; Aug. 30.
Supporting stand. F. Stevenson. 1,859,223; May 17.
Supporting structural elements, Temporarily. W. H. Weiskopf. 1,851,425-6; Mar. 29.
Supporting structure. L. I. Beckwith. 1,870,087; Aug. 2.
Supporting structure, Composite. V. F. Hammel. 1,846,010; Feb. 23.
Supporting structure, Curtain. F. E. Masselin. Des. 87,227; June 21.
Supporting structure for light signals and the like, Adjustable. W. B. Wells. 1,842,224; Jan. 19.
Supporting structure, Plaster. W. H. Fishel. 1,844,918; Feb. 9.
Supporting structure, Railway vehicle. W. E. Woodard. 1,868,340; July 19.
Supporting table wave in a kiln, Device for. L. A. Vincent. 1,860,374; May 31.
Supporting the overhanging ends of the bucks of pressing machines. R. Darby. 1,875,093; Sept. 6.
Supports for electric cables, Dead end. A. W. Malone. 1,884,037; Oct. 25.
Supports for washing machines, Portable. D. L. Ulmer. 1,861,335; Dec. 4.
Suppository for treating vaginal conditions. G. F. Fitzgerald. 1,878,766; Sept. 20.
Surf board attachment. W. L. Wheeler. 1,865,985; July 5.
Surface cleaner. A. A. Thorne. 1,884,387; Oct. 25.
Surface cleaning device, Fireproof. S. A. Wier. 1,846,505; Feb. 23.
Surface, Fluid reactive. C. H. A. F. L. Ross. 1,882,163-4; Oct. 11.
Surface from corrosive action, Projecting and immersed. S. Gill and S. U. McGary. 1,854,898; Apr. 19.
Surface of conductor or the like, Layer in which the potential fall is concentrated, Forming on the. A. Joffe. 1,865,693; July 5.
Surface ornamentation. J. J. Weber. 1,844,083; Feb. 9.
Surface ornamentation and producing same. J. J. Weber. 1,844,084; Feb 9.
Surface ornamentation and producing same. J. J. Weber. 1,862,875; June 14.
Surface plate. C. E. Johansson. 1,889,897; Dec. 6.
Surface polishing device. J. M. Hanson. 1,876,923; Sept. 13.
Surfacer, Electric. S. A. Modglin. 1,873,011; Aug. 23.
Surfaces, Finishing. J. M. Verderosa. 1,851,470; Mar. 29.
Surfaces for coating, Preparation of. E. M. Jones. 1,860,505; May 31.
Surfaces with stone, Process and apparatus for producing convex and concave. M. E. Jones. 1,869,427; Aug. 2.
Surfaces, Protecting. P. C. Guthrie. 1,885,345; Nov. 1.
Surfaces requiring a uniform screw pitch, Milling. J. W. Smith. 1,879,566; Sept. 27.
Surfaces, Rubbing coated. E. H. Bucy. 1,862,135; June 7.
Surfacing apparatus. H. R. Stratford. 1,862,103; June 7.
Surfacing device for glass and ceramic articles. C. Heuze. 1,849,925; Mar. 15.
Surfacing, Forming marked. H. C. and W. H. Schlosser. 1,872,352; Aug. 16.
Surfacing machine. S. R. Campbell. 1,876,202; Sept. 6.
Surfacing machine. J. L. Drake and L. L. Handy. 1,873,426; Aug. 16.
Surfacing machine. I. O. Pedersen and E. G. Stahle. 1,860,117; May 24.
Surfacing machines, Driving finger for. H. C. St. Dennis. 1,882,670; Oct. 18.
Surfacing process and apparatus for same. M. A. Laabs. 1,871,123; Aug. 9.
Surge control for magnetic chucks. F. L. Simmons. 1,853,642; Apr. 12.
Surgeon's instrument. J. G. H. Liebel. 1,863,118; June 14.
Surgical and dental pack compositions and applying the same. A. Ward. 1,866,433; July 5.
Surgical apparatus. J. B. Bacon. 1,863,234; June 14.
Surgical apparatus. J. B. Bacon. 1,887,392; Nov. 8.
Surgical apparatus. E. E. Youngren. 1,869,726; Aug. 2.
Surgical appliance. H. G. Clash. 1,863,188; June 14.
Surgical appliance. N. W. Fife. 1,835,546; Apr. 26.
Surgical appliance. A. B. Kendrick. 1,853,903; Apr. 12.
Surgical appliance. H. C. Masland. 1,853,693; Apr. 12.
Surgical appliance. M. Van Raalte. 1,884,927; Oct. 25.
Surgical bandage. B. Levison. 1,862,026; June 7.
Surgical device. M. E. and A. L. Hoffman. 1,887,022; Nov. 8.
Surgical drain. G. A. Innes. 1,863,057; June 14.
Surgical dressing. C. Dreyfus. 1,872,076; Aug. 16.
Surgical equipment. E. I. McKesson. 1,863,930; June 21.
Surgical instrument. H. Drache. 1,877,827; Sept. 20.
Surgical instrument. B. D. La Force. 1,879,339; Sept. 27.
Surgical instrument. C. R. Meitzler. 1,844,588; Feb. 9.
Surgical instrument. W. E. Morse. 1,850,132; Mar. 22.
Surgical instrument. L. K. Pitman. 1,891,054; Dec. 13.
Surgical instrument. H. N. Stevenson. 1,846,573; Feb. 23.
Surgical material. G. M. Karns. 1,867,222; July 12.
Surgical operating table. J. R. Emmert. 1,854,296; Apr. 19.
Surgical treatments, Flow handling for. E. I. McKesson. 1,853,169; Feb. 2.
Surveying instrument. W. L. Egy. 1,871,165; Aug. 9.
Surveying instrument. W. Pilkington. 1,888,011; Nov. 15.
Surveying instrument. L. Suverkrop. 1,875,829-30; Sept. 6.
Surveying instrument, Bore hole. A. A. Lease and J. F. Peters, jr. 1,856,220; May 3.
Suspender. G. Elder. 1,843,507; Feb. 2.
Suspender. F. W. Schmidt. 1,857,930; Apr. 5.
Suspender brace. F. D. Johnson. 1,843,029; Jan. 26.
Suspender end. J. B. Freysinger. Des. 86,835; Apr. 26.
Suspender hook. C. Nelson. 1,879,817; Sept. 27.
Suspender, Stocking. W. Grelneisen. 1,849,230; Mar. 15.
Suspenders. T. Cahn. Des. 87,382-3; July 19.
Suspenders. T. Cahn. 1,880,779; Oct. 4.
Suspenders. W. J. Ellis. 1,873,831; Aug. 23.
Suspenders. De W. Fox. Des. 87,254; June 28.
Suspenders. L. W. Shields. Des. 86,811; Apr. 19.
Suspenders. P. D. Swayze. 1,866,780; July 12.
Suspenders. M. Weinstein. 1,841,924; Jan. 19.
Suspenders, Shirt holddown attachment for. E. S. Mix. 1,858,931-2; Nov. 1.
Suspension apparatus for aeroplanes and other vehicles. G. L. R. Messier. 1,886,712; Nov. 8.
Suspension apparatus for well drilling operations. O. Bieler. 1,880,071; Sept. 27.
Suspension arrangement for road and the like vehicles. F. G. G. Armstrong. 1,875,314; Aug. 30.
Suspension arrangement for vehicles. E. Bugatti. 1,850,259; Mar. 22.
Suspension chair. D. Murray. 1,839,579; Jan. 5.
Suspension clamp. R. L. Jenner. 1,879,282; Sept. 27.
Suspension clamp. F. H. Miller. 1,870,821; Aug. 9.
Suspension clamp. N. A. Wahlberg. 1,871,350; Aug. 9.
Suspension clamp. W. W. Woodruff, 3d. 1,883,260; Oct. 18.
Suspension clamp, Antivibrating self-balanced. A. Salvi. 1,889,512; Dec. 6.
Suspension device. J. Mercier. 1,842,418; Jan. 26.
Suspension device for equalizing the strain on hoisting cables. J. E. Evans. 1,863,119; June 14.
Suspension for automobiles. F. Schaum. 1,861,821; June 7.
Suspension for track laying vehicles. H. A. Knox. 1,862,934; June 14.
Suspension for track-laying vehicles. H. A. Knox and B. F. Baker. 1,862,566; June 7.
Suspension hangers for tube frames. E. F. Hathaway and W. Bixby. 1,861,856; June 7.
Suspension jack. I. Van Dyck. 1,853,155; Apr. 12.
Suspension means for oil well derricks. O. Bieler. 1,856,844; May 3.
Suspension, Spring eye. J. Bijur. 1,868,687; July 26.
Suspension system for motor cars and vehicles of all kinds. S. A. Horstmann. 1,848,783; Mar. 8.
Suspension system for motor cars and vehicles of all kinds. S. A. Horstmann. 1,877,878; Sept. 20.
Suspensions, Apparatus for producing. H. P. Benner and J. C. Morrell. 1,848,100; Mar. 8.
Suspensory. P. W. Lucas. 1,866,060; July 5.
Suspensory and the like. F. P. Dwyer. 1,840,621; Jan. 12.
Suture supporting and attaching plate. A. W. Anderson. 1,852,098; Apr. 5.
Suturing and ligating instrument. C. B. Nagelmann. 1,856,721; May 3.
Suturing device. B. Thompson. 1,876,792; Sept. 13.
Swab, Gas operated. N. H. Ricker. 1,844,074; Feb. 9.
Swab, Pneumatic. H. W. Fletcher. 1,846,000; Feb. 16.
Swab, Well. V. A. Ligon. 1,839,568; Jan. 5.
Swab, Well. H. R. Mead. 1,863,063; June 14.
Swash plate. P. O. Eckels. 1,877,285; Sept. 13.
Swatch device. S. Lewis. 1,865,377; June 28.
Swatter, Fly. C. R. Cooper. 1,861,687; June 7.
Swatter, Fly. C. T. Kirkby. 1,857,757; May 10.
Swatter, Fly. A. D. Miller. 1,860,939; May 31.
Swatter, Fly. S. G. Monroe and F. Shepherd. 1,882,291; Oct. 11.
Sway preventing device. R. F. Peo. 1,881,960; Oct. 11.
Sweatband. E. L. Kip. 1,855,192; Apr. 26.
Sweater, Knitted. K. Karahadian. 1,890,385; Dec. 6.
Sweater or analogous article. A. H. Geuting. Des. 87,209; June 21.
Sweep rake. C. Pearson. 1,859,156; May 17.
Sweeper. J. French. 1,886,950; Nov. 8.

Sweeper. Carpet. W. H. Kenyon. 1,879,752; Sept. 27.
Sweeper, Carpet. W. H. Kenyon. 1,892,308; Dec. 27.
Sweeper, Carpet. I. J. Owen. 1,845,057; Feb. 16.
Sweeper, Chimney. E. F. Kahlert and E. Carlson. 1,870,613; Sept. 6.
Sweeper, Street. W. T. Blaney. 1,845,740: Feb. 16.
Sweeper, Street. G. E. Dean. 1,876,866; Sept. 13.
Sweeping machine. Gang street. A. P. Lofstrand. 1,849,941; Mar. 15.
Sweetening reagent, Forming. H. H. Cannon. 1,888,219; Nov. 22.
Swiller. S. F., C., A. and G. Hufnagel. 1,874,534; Aug. 30.
Swimming appliance. L. H. Coppel. 1,850,660; Mar. 22.
Swimming appliance. N. Meroussis. 1,839,489; Jan. 5.
Swimming appliance. G. G. E. Schmitt. 1,843,582; Feb. 2.
Swimming appliance. G. G. E. Schmitt. 1,888,867; Nov. 22.
Swimming. Apparatus for teaching. L. Olschewski. 1,867,627; July 19.
Swimming board. L. H. Marshall. 1,843,617; Feb. 2.
Swimming device. E. L. Bellman. 1,868,370; July 19.
Swimming device. B. B. Girden. 1,845,263; Feb. 16.
Swimming device. W. Pijakowski. 1,879,468; Sept. 27.
Swimming, Device to aid persons in. H. A. McGowan. 1,841,904; Jan. 19.
Swimming device with automatic gas filling. E. Berger. 1,879,726; Sept. 27.
Swing. H. Denison. 1,844,314; Feb. 9.
Swing. J. C. De Penning. 1,888,587; Nov. 22.
Swing. E. A. Lebman. Des. 86,528; Mar. 15.
Swing. N. Ramey. 1,870,748; Aug. 9.
Swing. H. S. Rice. 1,886,904; Nov. 8.
Swing, Aeroplane. J. A. Lucas. 1,866,047; July 5.
Swing, Amusement. C. Dahl. Re15,572; Aug. 23.
Swing, Child's. O. Cottner. 1,845,832; Feb. 16.
Swing construction, Revolving. P. Blink. 1,854,173; Apr. 19.
Swing for children. W. T. Anderson. 1,890,353; Dec. 6.
Swing hanger. W. L. Richardson. 1,848,548; Mar. 8.
Swing hanger. O. H. Stotler. 1,889,709; Nov. 29.
Swing hanger for railway trucks. H. T. Casey. 1,867,654; July 19.
Switch; *See*—
Air break switch.
Air speed switch.
Alarm switch.
Automatic control switch.
Automatic switch.
Automatic telephone switch.
Battery switch.
Cam-actuated double-throw switch.
Centrifugal switch.
Circuit closing switch.
Circuit controlling switch.
Clock controlled switch.
Coin controlled switch.
Combination switch.
Conduit breaking switch.
Control instrument switch.
Control switch.
Conveyor switch.
Curtain switch.
Cut-off switch.
Disconnecting switch.
Door edge switch.
Double throw switch.
Electric fuse switch.
Electric regulating switch.
Electric socket switch.
Electric snap switch.
Electric switch.
Electric time switch.
Electrical switch.
Electromagnetic switch.
Emergency selective switch.
Emergency switch.
Engine timing switch.
Fire alarm switch.
Fixture switch.
Flashlight safety switch.
Flashlight switch.
Float switch.
Fluid operated switch.
Fuse containing switch.
Gas operated switch.
Gravity switch.
High current electric switch.
High tension switch.
Ignition and safety switch.
Ignition switch.
Inclosed electric switch.
Inclosed fused switch.
Inclosed switch.
Interlocking switch.
Intermittent thermal switch.
Keyless switch.
Light control switch.
Lighting switch.
Liquid fuse switch.
Lock switch.
Lock transfer switch.
Mercury switch.
Motor actuated switch.
Motor switch.
Multi-break electric switch.
Multiple stage auxiliary switch.
Oil immersed switch.
Pressure actuated switch.
Pressure operated switch.
Pressure switch.
Push switch.
Quick acting switch.
Radio inductance switch.
Radio-phonograph switch.
Radio toggle switch.
Range control switch.
Remote control switch.
Safety starter switch.
Safety switch.
Selector switch.
Signal operating switch.
Signal switch.
Slack cable switch.
Snap switch.
Socket and snap switch.
Speed indicating switch.
Starter switch.
Starting switch.
Stoker control switch.
Stoplight switch.
Telephone switch.
Thermal switch.
Thermostatic switch.
Thermostatically controlled switch.
Three circuit foot switch.
Throttle ignition switch.
Time controlled switch.
Time switch.
Toggle switch.
Tonging switch.
Toy railway track switch.
Traffic signal switch.
Transmission switch.
Transmitter cut out switch.
Tread switch.
Treadle switch.
Trolley hanger switch.
Vacuum switch.
Wall switch.
Switch. A. Alsaker. 1,851,271; Mar. 29.
Switch. A. Alsaker. 1,876,535; Sept. 13.
Switch. A. Alsaker and E. Nordhem. 1,842,707; Jan. 26.
Switch. A. Alsaker and E. Nordhem. 1,876,537; Sept. 13.
Switch, J. C. Bashioum. 1,878,456; Sept. 20.
Switch. T. Birkenmaier. 1,852,283; Apr. 5.
Switch. T. Birkenmaier, R. H. Wafeler, and L. P. Boll. 1,848,239; Mar. 8.
Switch, M. B. Bloom and J. L. Bernstein. 1,840,691; Jan. 12.
Switch, L. P. Boll and A. C. Hansen, jr. 1,840,016; Jan. 5.
Switch. H. P. Chandler. 1,877,445; Sept. 13.
Switch. C. Christensen. 1,878,377; Sept. 20.
Switch. P. E. Cook. 1,889,514; Nov. 29.
Switch. E. B. Entwisle. 1,839,494; Jan. 5.
Switch. J. W. Fitzgerald. 1,851,384; Mar. 29.
Switch. P. R. Forman. 1,885,904; Nov. 1.
Switch. H. M. Hegeesy. 1,845,915; Feb. 16.
Switch. F. Hotchner. 1,890,510; Dec. 13.
Switch. E. N. Jacobi. 1,842,451; Jan. 26.
Switch. E. N. Jacobi. 1,849,253; Mar. 15.
Switch. J. Kopeliowitsch. 1,873,969; Aug. 30.
Switch. A. R. Locke. 1,839,568; Jan. 5.
Switch. G. H. E. Lyons. 1,869,494; June 14.
Switch. G. A. Matthews and J. J. Shoemaker. 1,849,375; Mar. 15.
Switch. W. Murad. 1,845,510; Feb. 16.
Switch. F. W. Noffs. 1,847,097; Mar. 1.
Switch. H. E. Norviel. 1,853,075; Apr. 12.
Switch. H. E. Norviel. 1,859,981; May 24.
Switch. H. E. Norviel. 1,864,459; June 21.
Switch. H. E. Norviel. 1,871,858; Aug. 16.
Switch. H. E. Norviel. 1,873,142; Aug. 23.
Switch. H. E. Norviel and V. Ecoff. 1,863,350; June 14.
Switch. H. E. Norviel and V. Ecoff. 1,873,141; Aug. 23.
Switch. H. E. Norviel and V. Ecoff. 1,884,148; Oct. 25.
Switch. E. W. Rasmussen. 1,877,692; Sept. 13.
Switch. C. R. Rich. 1,891,015; Dec. 13.
Switch. J. Schneider. 1,877,985; Sept. 20.
Switch. E. O. Schweitzer. 1,853,885; Apr. 12.
Switch. S. A. Shapiro. 1,891,247; Dec. 20.
Switch. G. Suder. 1,886,756; Nov. 8.
Switch. G. E. Thimmes. 1,884,352; Oct. 25.
Switch. G. B. Wadsworth. 1,874,146; Aug. 30.
Switch. G. O. Wilms. 1,844,490; Feb. 9.
Switch actuating mechanism. O. F. Carlson. 1,854,540; Apr. 19.
Switch actuating mechanism. C. H. and H. K. Elliott. 1,856,504; July 12.
Switch actuating mechanism. P. Vannini. 1,887,223; Nov. 8.
Switch and circuit breaker. K. Wickens. 1,843,351; Feb. 2.
Switch and circuit breaker, Combined. W. S. Mayer. 1,851,274; Nov. 8.
Switch and circuit breaker, Combined. A. H. Nero. 1,883,814; Oct. 18.
Switch and coil unit. H. E. Norviel. 1,864,460; June 21.
Switch and coil units. H. E. Norviel. 1,844,788; Feb. 9.
Switch and control circuit therefor, Electrical. L. E. Koch. 1,883,246; Oct. 18.
Switch and control circuit therefor, Electrical. E. W. Sladkey. 1,883,247; Oct. 18.
Switch and electric connection plug. Combination therapeutic. M. S. Rumold. 1,876,763; Sept. 13.
Switch and inclosing structure therefor, Electric. F. H. Macnell. 1,866,364; July 5.
Switch and junction box, Combined. W. H. De Lancey. 1,848,607; Mar. 8.
Switch and opening and closing circuits therefor, Electric. G. W. O'Keeffe. 1,862,158; June 7.
Switch and operating mechanism. P. R. Forman. 1,887,628; Nov. 15.
Switch and operating mechanism therefor, Mercury. P. K. Cramblet. 1,880,831; Oct. 4.
Switch and racking device therefor, Electric. F. H. MacNell. 1,869,856; July 26.
Switch and signal system. S. S. Stolp. 1,883,069; Oct. 18.
Switch and single break-double throw switch, Double break-double throw electrical. G. C. Lawton. 1,887,027; Nov. 8.
Switch and supporting mechanism therefor, Electric. F. H. MacNell. 1,886,346; Nov. 1.
Switch and switch mechanism, Manually operated electric. H. P. Pinkham. 1,845,518; Feb. 16.
Switch and system, Tap changing. A. Hailer. 1,867,147; July 12.
Switch and the like, Mercury. S. Held. 1,847,183; Mar. 1.
Switch and the like, Mercury. S. Held. 1,871,177; Aug. 9.
Switch and timing mechanism, Coin controlled. M. H. Richardson and A. E. Gebert. 1,879,499; Sept. 27.
Switch apparatus. J. A. C. Krips. 1,890,514; Dec. 13.
Switch apparatus, Electrical. D. R. Furnas. 1,846,051; Feb. 23.
Switch blade. L. A. Kempton. 1,879,303; Sept. 27.
Switch blade device. G. B. Wadsworth. 1,857,487; May 10.
Switch block, Adjustable. L. H. Hassel. 1,878,696; Sept. 20.
Switchboard. J. H. Pengilly and W. F. Wilson. 1,846,653; Feb. 23.
Switchboard apparatus, Telephone. H. H. Ide. 1,842,610; Jan. 26.

Switchboard apparatus, Theater. J. C. Masek. 1,872,156; Aug. 16.
Switchboard jack. P. S. Copenhaver, E. A. Demonet, and W. F. Callahan. 1,880,824; Oct. 4.
Switchboard, Telegraph exchange. E. B. Smith. 1,867,333; July 12.
Switch box. E. G. K. Anderson. 1,869,646; Aug. 2.
Switch box hanger. F. J. Nyberg. 1,882,236; Dec. 27.
Switch box, Outdoor. H. G. Nichols. 1,872,323; Aug. 16.
Switch box, Safety. D. T. Wadsworth. 1,852,036; Apr. 5.
Switch cleaner, Selector. I. Geitgey. 1,842,350; Jan. 19.
Switch cleaning device. G. Linton and J. R. Townsend. 1,840,116; Jan. 5.
Switch closing mechanism, Electrically operated. C. D. Ainsworth. 1,852,139; Apr. 5.
Switch cut, Steering wheel. R. C. Gallinant. 1,878,769; Sept. 20.
Switch construction for signaling systems. B. L. Bobroff. 1,872,890; Aug. 16.
Switch construction, Push button. H. Hansen. 1,842,524; Jan. 26.
Switch construction, Push button. C. Miller. 1,861,400; May 31.
Switch control for light direction apparatus. L. L. Lewis. 1,843,822; Feb. 2.
Switch control means for vehicle lamps. H. Steinhart and H. Arnold. 1,873,909; Aug. 23.
Switch control mechanism. H. E. Hallenbeck. 1,877,171; Sept. 13.
Switch control, Track. G. C. Smith. 1,869,986; Aug. 2.
Switch, Controlling a power. B. W. Jones. 1,879,292; Sept. 27.
Switch controlling apparatus, Railway. G. Baumgartner. 1,858,874; May 17.
Switch controlling apparatus, Railway. S. M. Lucas. 1,858,897; May 17.
Switch controlling apparatus, Railway. B. R. Padmore. 1,843,175; Feb. 16.
Switch controlling system, Electrical. M. L. Sindeband and O. K. Marti. 1,856,195; May 3.
Switch device. F. P. Forss. 1,864,522; June 28.
Switch device, Electric. R. L. Nafziger. 1,891,998; Dec. 27.
Switch device, Electric. N. Ralph. 1,866,422; July 5.
Switch device for direction-signal systems. E. C. Akers. 1,868,609; July 26.
Switch device, Thermostatic. L. V. Lucia. 1,857,923; May 10.
Switch equipment, Line. G. E. Stonebridge. 1,872,518; Aug. 16.
Switch for automobile vehicles, Signaling system. H. A. Douglas. 1,846,513; Feb. 23.
Switch for railway vehicles, Combined lighting and signal. J. W. C. Miller. 1,858,746; May 17.
Switch for rollating machines, Stop. H. V. Ashby. 1,892,033; Dec. 27.
Switch for controlling motor vehicle carried apparatus, Automatic. C. R. Wexler. 1,854,533; Apr. 19.
Switch for direction signals, Electric. H. O. Brion. 1,848,001; Mar. 1.
Switch for door openers, Motor reversing. H. W. Crane. 1,863,922; June 21.
Switch for electric motor circuits, Friction. G. H. Whittingham. 1,851,227; Mar. 29.
Switch for electric motors, Centrifugal. E. M. Wright. 1,840,996; Jan. 12.
Switch for electrical systems. G. A. Salinas. 1,857,875; May 10.
Switch for electrically illuminated scoreboard. E. D. Tillson. 1,845,307; Feb. 2.
Switch for elevators, Push button. H. W. Williams. 1,839,629; Jan. 5.
Switch for flashlights, Combined snap and testing. C. E. Pryor. 1,845,744; Feb. 16.
Switch for high tension electric lines, Disconnecting. F. H. Upton. 1,843,052; Jan. 26.
Switch for large currents, Multiple break oil. W. Esterff. 1,856,626; May 3.
Switch for left-right turns of motor vehicle devices, Automatic. N. Ochinoff. 1,876,321; Sept. 6.
Switch for line control of can machinery, Electrical. H. J. Paynter. 1,839,495; Jan. 5.
Switch for motion picture projecting machines, Centrifugal. T. Allen and J. F. Adams. 1,842,644; Jan. 26.
Switch for motion picture projecting machines, Safety. T. T. Allen and C. K. Gibbs. 1,847,075; Mar. 1.
Switch for motor cars, Signal. W. Lucius. 1,883,526; Nov. 1.
Switch for motor driven grease machines. K. S. Clapp. 1,874,025; Aug. 30.
Switch for motor vehicle direction signals. F. C. McElroy. 1,860,682; May 31.
Switch for motors, Centrifugal. C. L. Kennedy. 1,887,267; Nov. 8.
Switch for oil burner control, Thermal. A. E. Grant. 1,849,713; Mar. 15.
Switch for power tools, Electric. W. L. Hodeaux. 1,882,283; Oct. 11.
Switch for projection machines. A. Dina. 1,866,550; July 12.
Switch for radio apparatus, Automatic safety. M. T. McConnell. 1,869,068; July 26.
Switch for signaling systems for automotive vehicles. B. L. Bobroff. 1,886,519; Nov. 8.
Switch for signaling systems for vehicles. B. L. Bobroff. 1,886,078; Nov. 1.
Switch for telethermometers. C. H. Kuhlman. 1,891,548; Dec. 20.
Switch for transmission over submarine cables, Direction control. H. H. Haglund. 1,862,818; Oct. 18.
Switch gear. B. Grob. 1,860,501; May 31.
Switch gear and switch and door locking mechanism, Electric. F. H. Macnell. 1,866,365; July 5.
Switch gear, Electric. A. Allan and J. Christie. 1,869,918; May 31.
Switchgear, Electric. J. Christie. 1,843,805; Feb. 2.
Switchgear, Electric. J. Christie. 1,862,254; June 7.
Switchgear, Electric. G. H. Neep. 1,856,110; May 3.
Switchgear, Electric. G. Pailla. 1,860,156; May 24.
Switch gear, Electrical. W. Adam. 1,866,336; July 5.
Switch gear, Electrical. D. R. Davies. 1,849,224; Mar. 15.
Switch gear, Electrical. C. H. Hill. 1,870,047; Aug. 2.
Switchgear, Electrical. F. J. Keeley. 1,856,100; May 3.
Switch handle. M. Guett. 1,871,605; Aug. 16.
Switch handle. H. Hubbell, jr., and C. E. Avery. 1,857,379; May 10.
Switch handle. A. H. Nero. 1,884,133; Oct. 25.
Switch having lockout mechanism, Electric. G. W. O'Keeffe. 1,845,514; Feb. 16.
Switch having raising and lowering mechanism therefor, Electric. M. B. Wood. 1,862,169; June 7.
Switch house. G. Jansson. 1,843,286; Feb. 2.
Switch house and switching system and apparatus. G. A. Burnham. 1,878,107; Sept. 20.
Switch key. R. Schaumberger. 1,858,464; May 17.
Switch lock. E. Nordhem. 1,864,548; June 28.
Switch lock. W. J. Sullivan. 1,845,860; Feb. 16.
Switch machine. W. K. Howe. 1,852,573; Apr. 5.
Switch machine for railroads. W. K. Howe. 1,852,574; Apr. 5.
Switch machine for railroads. W. K. Howe. 1,886,955; Nov. 8.
Switch means. H. I. Morris. Re18,507; June 28.
Switch mechanism. B. D. Beekler. 1,841,519; Jan. 19.
Switch mechanism. A. Corbett. 1,872,249; Aug. 16.
Switch mechanism. J. Erickson. 1,889,240; Nov. 29.
Switch mechanism. H. S. Gano. 1,881,466; Oct. 11.
Switch mechanism. J. R. Haines. 1,853,268; Apr. 12.
Switch mechanism. A. H. Kehoe and L. W. McCullough. 1,872,298; Aug. 16.
Switch mechanism. H. K. Krantz. 1,872,303; Aug. 16.
Switch mechanism. R. Pudelko. 1,849,724; Mar. 15.
Switch mechanism. A. T. Twiss. 1,873,680; Aug. 23.
Switch mechanism and lighting system, Emergency. S. W. Mann. 1,868,242; July 19.
Switch mechanism, Electric. F. L. Cook. 1,889,637; Nov. 29.
Switch mechanism, Electric. R. A. Millermaster. 1,882,858; Oct. 18.
Switch mechanism, Electrical. A. H. Neureuther. 1,882,229; Oct. 11.
Switch mechanism for attachment plugs. L. Ludwig. 1,876,705; Sept. 13.
Switch mechanism for conveyer systems. J. B. Webb and D. A. Blair. 1,875,966; Sept. 6.
Switch mechanism for signal and other electrical circuits. R. B. James. 1,863,658; June 21.
Switch mechanism, Motor control. G. H. Whittingham. 1,890,838; Dec. 13.
Switch mechanism, Push-button. G. H. Whittingham. 1,844,731; Feb. 9.
Switch movement, Electric. G. H. Elwell. 1,844,645–6; Feb. 9.
Switch of the mercury tube type, Electric. I. E. McCabe. 1,869,603; Aug. 2.
Switch operating and holding device, Electric. R. E. Tafel. 1,853,089; Oct. 18.
Switch operating apparatus, Railway. B. E. O'Hagan. 1,850,892; Mar. 22.
Switch operating apparatus, Railway. G. V. Jefferson and E. G. Little. 1,887,376; Nov. 8.
Switch operating apparatus, Railway. E. G. Little. 1,889,022; Nov. 29.
Switches. Operating attachment for toggle. 1,889,826; Dec. 6.
Switch operating device, Electric. F. H. Richterkessing. 1,882,914; Oct. 18.
Switch operating means, Plural. J. D. Garrett. 1,890,375; Dec. 6.
Switch operating means, Plural. P. C. Smith. 1,885,147; Nov. 1.
Switch operating mechanism. P. C. Clarke. 1,841,090; Jan. 12.
Switch operating mechanism. R. Paxton and L. S. Walle. 1,848,902; Mar. 8.
Switch operating mechanism. R. Popp. 1,889,215; Nov. 29.

Switch operating mechanism. J. Sachs. 1,843,933; Feb. 9.
Switch operating mechanism. C. Thumim. 1,841,162; Jan. 12.
Switch operating mechanism. C. Thumim. 1,857,220; May 10.
Switch operating mechanism, Electric. W. K. Rankin. 1,873,787; Aug. 23.
Switch operating mechanism, Railway. L. F. Howard. 1,841,814; Jan. 19.
Switch or circuit breaker, Electric. J. Anderson. 1,862,782; June 14.
Switch or junction box, Electric. L. Barnett. 1,850,165; Mar. 22.
Switch panel. E. L. Ogie. 1,856,288; May 3.
Switch plant. S. Cluppell. 1,874,808; Aug. 30.
Switch plant, High tension. H. Barthelt. 1,843,659; Feb. 2.
Switch point to switch box connecting means, Railway. J. C. Mack. 1,877,524; Sept. 13.
Switch remover. G. J. Sabatino. 1,860,057; May 24.
Switch stand. C. B. Davidson. 1,877,276; Sept. 13.
Switch stand dog, Railroad. P. Swanson. 1,855,961; Nov. 1.
Switch structure. A. Penn. 1,862,631; June 14.
Switch throwing device. A. J. Gurney. 1,843,766; Feb. 2.
Switch throwing device. J. B. Miller. 1,854,521; Apr. 19.
Switch throwing means. J. W. Berry and R. McKnight. 1,864,117; June 21.
Switch timing mechanism, Slip. G. H. Whittingham. 1,851,228; Mar. 29.
Switch with membrane, Automatic. H. R. Guinot. 1,855,959; Apr. 26.
Switches and the like, Quick-acting mechanism for electric. W. H. Weinrich and F. C. Geiler. 1,864,158; June 21.
Switches, Control of electric. O. C. Traver. 1,885,157; Nov. 1.
Switches from freezing, Device for preventing railroad. H. Miller and B. B. Betts. 1,849,465; Mar. 15.
Switches, Making mercury. J. M. Fagan. 1,871,311; Aug. 9.
Switches, Manufacture of electric mercury bulb. K. Huncliker. 1,882,613; Oct. 11.
Switches, Mechanism for operating signal. A. C. Van Houweling and E. S. Cook. 1,839,906; Jan. 5.
Switches, Operating mercury. M. A. E. Leblanc. 1,844,402–3; Feb. 9.
Switches, Reset mechanism for thermal cut-out. M. E. Henning. Re18,409; Apr. 5.
Switches, Reset mechanism for thermal cutout. M. E. Henning. 1,841,477; Jan. 19.
Switching and distribution system, Electric. G. A. Burnham. 1,855,955; May 24.
Switching and relay system. A. M. Trogner. 1,876,320; Sept. 6.
Switching apparatus. C. W. Ebeling. 1,856,092; May 3.
Switching apparatus, Automatic. E. O. Zwietusch. 1,884,988; Oct. 25.
Switching apparatus, Electric. C. H. Hill. 1,859,088; May 17.
Switching apparatus for electric signs. B. M. Antipovitch. 1,840,299; Jan. 12.
Switching apparatus parts, Producing. H. O. Siegmund. 1,873,346; Aug. 23.
Switching arrangement, Automatic. H. Bany and H. T. Seeley. 1,860,167; May 24.
Switching arrangement for automatic telephone systems. E. G. Johnson. 1,855,504; Feb. 16.
Switching arrangement for telephone plants. K. H. Blomberg and S. D. Vigren. 1,868,378; July 19.
Switching arrangement in telephone plants. K. H. Blomberg. 1,855,087; Apr. 19.
Switching arrangement in telephone plants. S. D. Vigren. 1,855,074; Apr. 19.
Switching device. W. H. Frank. 1,861,267; May 31.
Switching device. C. Hatay. 1,861,566; June 7.
Switching device. R. Popp. 1,879,822; Sept. 27.
Switching device. L. R. Waller. 1,883,137; Oct. 18.
Switching device, Electromagnetic. F. H. Hibbard. 1,844,121; Feb. 9.
Switching device, Thermostatic. J. L. Robbins. 1,884,872; Oct. 25.
Switching mechanism. E. Bausch. 1,845,033; Feb. 16.
Switching mechanism. H. A. Douglas. 1,883,625; Oct. 18.
Switching mechanism. C. F. A. Eddy. 1,880,921; Oct. 4.
Switching mechanism. S. B. Sanford. 1,890,752; Dec. 13.
Switching mechanism. L. J. Schreiber, G. P. Chevigny, and E. X. Lens. 1,882,981; Oct. 18.
Switching mechanism. W. M. Scott, jr. 1,877,698; Sept. 13.
Switching mechanism. W. M. Scott, jr. 1,879,714; Sept. 27.
Switching mechanism, Automatic. C. P. Smith and G. Newton. 1,886,059; Nov. 1.
Switching system and apparatus, High tension outdoor. G. A. Burnham. 1,843,105; Feb. 2.
Switching system, Automatic. R. A. Fuller. 1,888,856; Nov. 22.
Switching system for toy railroads, Automatic. J. J. Geiger. 1,868,354; July 19.
Swivel. F. J. Ruot. 1,853,180; Apr. 12.
Swivel coupling. B. M. Brownell. 1,872,666; Aug. 23.
Swivel fixture. E. G. K. Anderson. 1,869,645; Aug. 2.
Swivel having cooling means. G. Tremolada. 1,861,485; June 7.
Swivel joint. L. T. Neidow. 1,851,723; Mar. 29.
Swivel joint. S. M. Sager. 1,839,266; Jan. 5.
Swivel pipe coupling. B. M. Brownell. 1,872,665; Aug. 23.
Swivel seat. O. H. Law, R. S. Colley, and C. C. Soper. 1,876,308; Sept. 6.
Swivel supporting means for electrically operated devices. M. W. Goldberg. 1,872,729; Aug. 23.
Sword. G. L. Marble. 1,836,567; Nov. 8.
Synchronism, Apparatus for maintaining. S. Ruben. 1,867,925; July 19.
Synchronization for facsimile transmission. E. S. Purrington. 1,870,745; Aug. 9.
Synchronization, Method of and apparatus for. J. H. Hammond, jr. 1,874,287; Aug. 30.
Synchronizer. J. M. Weydell. 1,877,101; Sept. 13.
Synchronizer, Automatic. P. M. Stivender. 1,873,985; Aug. 30.
Synchronizer for axially movable clutches, Cone type. H. J. Murray. 1,853,988; Apr. 12.
Synchronizing and phase indicating device. W. G. Fluharty and P. A. Noxon. 1,862,474; June 7.
Synchronizing apparatus. M. Artzt and R. Serrell. 1,866,340; July 5.
Synchronizing arrangement. A. Karolus. 1,856,076; May 3.
Synchronizing device. G. F. Machlet. 1,881,773; Oct. 11.
Synchronizing method and apparatus for making sound-picture films. G. L. Rode. 1,868,993; July 26.
Synchronizing system. P. T. Farnsworth. 1,844,949; Feb. 16.
Synchronizing system. W. A. Knoop. 1,848,180; Mar. 8.
Synchronizing system. W. A. Knoop. 1,881,684; Oct. 11.
Synchronizing system. L. M. Potts. 1,865,136; June 28.
Synchronizing system. S. Rump. 1,873,981; Aug. 30.
Synchronizing system. T. Smith. 1,864,560; June 28.
Synchronizing system. J. Van der Mark. 1,845,368; Feb. 16.
Synchronizing system for television apparatus. C. W. Jeffries. 1,865,190; June 28.
Synchronizing two internal combustion engines. W. Prof-litch. 1,886,973; Nov. 8.
Synchronous apparatus, Adjustable. W. A. Pringle. 1,871,425; Aug. 9.
Synchronous motor. E. H. Greibach. 1,844,649; Feb. 9.
Synchronous motor. L. Hammond, jr. 1,867,315; July 12.
Synchronous motor. L. A. Umansky. 1,845,770; Feb. 16.
Synchronous motor. R. H. Whitehead and W. E. Porter. 1,864,108; June 21.
Synchronous motor, Compound. C. P. Robinson. 1,875,763; Sept. 6.
Synchroscope, High frequency. A. M. Nicolson. 1,867,733; June 28.
Syntheses, Method of and apparatus for effecting. R. Williams. 1,845,068; Feb. 16.
Synthesizing and transforming antiricketic substances and the like. A. J. Pacini. 1,880,978; Oct. 4.
Syringe. D. C. Beatty. 1,870,942; Aug. 9.
Syringe. F. A. Crossett. 1,853,260; Apr. 12.
Syringe. F. S. Dickinson. 1,863,785; June 21.
Syringe. C. V. Galazin. 1,841,406; Jan. 19.
Syringe. N. E. Houser. 1,841,246; Jan. 12.
Syringe. J. V. Howard. 1,871,523; Aug. 16.
Syringe. F. W. Smith. 1,844,265; Feb. 9.
Syringe. W. A. Throop. 1,878,026; Sept. 20.
Syringe and the like, Hypodermic. M. Nevin. 1,840,788; Jan. 12.
Syringe and tube therefor. S. D. Goldberg. 1,843,554; Feb. 2.
Syringe attachment clamp. N. Krueger. 1,842,352; Jan. 19.
Syringe, Hypodermic. H. H. Busher. 1,845,036; Feb. 16.
Syringe, Hypodermic. J. P. Fletcher. 1,867,355; July 12.
Syringe, Hypodermic. L. B. Hall. 1,848,711; Mar. 8.
Syringe, Hypodermic. M. Nevin. 1,839,695; Jan. 5.
Syrups containing invert sugars, Preparing and handling sugar. D. V. Wadsworth and L. Wickenden. 1,850,427; Mar. 22.
System including space discharge device. A. A. Oswald. Re18,501; June 21.
T-iron joint. W. L. Hyde. 1,855,550; Apr. 26.
T-square and gauge. S. S. Ro. 1,849,955; Mar. 15.
Tab for cartons, Offset locking. R. T. Hill. 1,842,755; Jan. 26.
Tab for hose or stocking supporters. W. Vorwerk. 1,851,787; Mar. 29.
Tab, Frame. H. L. Budd. 1,851,492; Mar. 29.
Tab or facing and securing the same to an article, Pyroxylin plastic. C. F. Rand. 1,891,443; Dec. 20.
Tab, Reenforcing. R. A. Maish. 1,869,385; Aug. 2.
Tab, Sample display. C. H. Cohen. 1,856,375; May 3.
Tabernacle. J. J. Marioth. 1,842,531; Jan. 26.

Tabernacle. H. W. Rambusch. 1,882,093; Oct. 11.
Table; See—
Automatic veneer table.
Automobile lunch table.
Bed table.
Billiard table.
Built-in table.
Camp table.
Card table.
Chemistry table.
Collapsible or extensible table.
Collapsible table.
Combination table.
Convertible table.
Counting table.
Desk and invalid's table.
Display table.
Drafting table.
Draftsman's table.
Drawout shaper table.
Drawing table.
Egg breaking and packing table.
Extensible or reversible table.
Extensible table.
Extension table.
Foldable table.
Folding card table.
Folding table.
Fracture operating table.
Framing table.
Game table.
Glass cutting table.
Hospital table.
Ironing table.
Knock-down table.
Laundry breaking table.
Merchandising and display table.
Multi-top table.
Music table.
One-legged table.
Picking table.
Putty remover and glazing table.
Refrigerator table.
Salad table.
Service table.
Serving table.
Surgical operating table.
Telescopic or extension table.
Tilt table.
Timing table.
Transfer table.
Tray table.
Truss fitting table.
Utility table.
Vacuum table.
Wall cabinet table.
Wall table.
Warming table.
X-ray table.
Table for invalids' beds. O. Holtkamp. 1,849,926; Mar. 15.
Table for shapers, Tip-top. W. F. Zimmermann. 1,884,492; Oct. 25.
Table for vehicle lifts. L. C. Stukenborg. 1,869,283; July 26.
Table forming machine, Continuous two. S. F. Parham. 1,868,248–9; July 19.
Table frame. W. C. Uline. Des. 18,591; Sept. 6.
Table leg attachment. D. J. McLaughlin. 1,876,336; Sept. 6.
Table leg lock. G. W. Hambrook and W. E. Clarin. 1,871,686; Aug. 16.
Table like structure, Folding. F. Schimmel. 1,875,892; Sept. 6.
Table or seat, Drop down. F. L. Harrison. 1,890,289; Dec. 6.
Table or similar article, Dressing. V. Hagopian. Des. 88,405; Nov. 29.
Table or similar article, Radio. W. K. Kleaver. Des. 87,750; Sept. 13.
Table or similar article, Radio. W. K. Kleaver. Des. 87,785; Sept. 20.
Table or similar article, Radio. W. K. Kleaver. Des. 87,787; Sept. 20.
Table or stand, Bathing girl. C. Chomik. 1,879,087; Sept. 27.
Table pad. L. I. Kahn. 1,888,104; Nov. 15.
Table slide, Equalizing. W. A. Duncan. 1,860,019; May 24.
Table structure. W. Hanley. 1,886,806; Nov. 8.
Table top. C. M. Petersen. 1,889,695; Nov. 29.
Table top. C. W. Greenhill. 1,889,555; Nov. 29.
Table top. R. M. Higgs. 1,871,884; Aug. 16.
Table top. W. N. Lober and W. E. Haushouer. Des. 88,699; Mar. 15.
Table top, Bridge. W. A. O'Brien. Des. 88,670; Dec. 13.
Table top, Card. J. W. Benze. Des. 86,510; Mar. 15.
Table top or the like. E. H. Giblan. 1,875,864; Sept. 6.
Table top or the like. L. D. Jalkut. Des. 88,354–5; Nov. 22.
Table top, Tilting inlay. H. N. Banks. 1,851,299; Mar. 29.
Table tops and the like, Molding. E. C. Loetscher. 1,876,330; Sept. 6.
Tables, Device for cleaning traveling. C. Heuze. 1,884,821; June 28.
Tables, Dual control for universal work. W. F. Zimmermann. 1,875,910; Sept. 6.
Tables for machines for punching beams and the like, Spacing. R. H. McClintic. 1,875,080; Aug. 30.
Tables, Leaf adjustment for extension. M. Fox. 1,855,829; Apr. 26.
Tablet and ruling attachment therefor. P. H. Kaufman. 1,849,561; Jan. 5.
Tablet for arm chairs. F. W. Tobey. 1,869,444; Aug. 2.
Tablet or briquetting machine, Rotary. F. J. Stokes. 1,844,700; Feb. 9.
Tablet package and wrapping, Elongated. W. J. Ritzel. 1,861,285; May 31.
Tablets, Apparatus for feeding determined batches of. T. J. Daniels. 1,875,423; Sept. 6.
Tablets, Method and apparatus for folding wrappers around. F. Grover. 1,885,543; Nov. 1.
Tableware parts, Electrically welding. W. R. Stocking. 1,883,067; Oct. 18.
Tabulating machine. J. W. Bryce. 1,866,995; July 12.
Tabulating machine. J. W. Bryce. 1,870,234; Aug. 9.
Tabulating machine. F. M. Carroll. 1,875,849; Sept. 6.
Tabulating machine. J. R. Merkle. 1,884,072; Oct. 25.
Tabulating machine. J. R. Peirce. 1,843,986; Feb. 9.
Tabulating machine for bookkeeping purposes. G. Tauschek. 1,856,445; May 3.
Tabulating machine for operating in fractions. J. W. Bryce. 1,839,372; Jan. 5.
Tabulating machine having a universal split unit construction. F. M. Carroll. 1,875,850; Sept. 6.
Tabulating machines, Key adding device for. F. M. Carroll. 1,848,106; Mar. 8.
Tabulating machines, Paper feeding device for. R. E. Pahoener. 1,861,975; June 7.
Tabulating system. H. G. Johnstone. 1,881,640; Oct. 11.
Tabulator, Bridge-score. E. A. Snook. 1,883,037; Oct. 18.
Tabulator for typographic machines. F. H. Poepplemeier. 1,884,850; Oct. 25.
Tabulator, Subtracting. F. M. Carroll. 1,862,004; June 7.
Tachometer. C. G. Davey. 1,848,057; Mar. 1.
Tachometer jewel frame and drive shaft retainer. E. F. Bacon. 1,862,997; June 14.
Tack machine. G. B. Baker. 1,864,269; June 21.
Tack machine. G. B., H. B., and E. C. Baker. 1,864,266–8; June 21.
Tack removing device for skin drying holders. G. P. Berry. 1,857,834; May 10.
Tacker. F. Polzer. 1,890,694; Dec. 13.
Tackle block. C. F. Janssen. 1,890,992; Dec. 13.
Tackle box. H. C. Berry. 1,859,228; May 17.
Tackle box. C. T. Boynton. 1,882,756; Oct. 18.
Tackle box. C. L. Dewey. 1,858,539; May 17.
Tackle box. G. H. Walker and I. L. Cole. 1,883,134; Oct. 18.
Tag. F. W. Laencher. 1,847,487; Mar. 1.
Tag. R. M. Mason. 1,847,064; Feb. 23.

Tag. W. Miller. 1,852,255; Apr. 5.
Tag. J. Pierce. 1,841,911; Jan. 19.
Tag. E. W. Stifel. Des. 87,811; Sept. 20.
Tag. A. H. Swett. 1,885,704; Nov. 22.
Tag. Animal. W. Ashton. 1,882,378; Oct. 11.
Tag, Combination stock record and merchandise. J. S. Connell. 1,841,172; Jan. 12.
Tag decapper, Pry. R. E. Reardon. 1,874,208; Aug. 30.
Tag line and dipper trip operating mechanism, Combined. E. H. Lichtenberg. 1,850,113; Mar. 22.
Tag, Marking. J. P. Kuhns. 1,875,741; Sept. 6.
Tag, Marking. E. B. Van Norden. 1,872,613; Aug. 16.
Tag, Merchandise and marking. G. M. Taylor and H. G. Straley. 1,875,290; Aug. 30.
Tag, Price. R. Ensko. 1,840,707; Jan. 12.
Tag, Price. I. I. Gray. Re. 18,708; Dec. 20.
Tag, Price. F. W. Laencher. 1,854,149; Apr. 12.
Tag, Price. F. W. Laencher. 1,855,765; Apr. 26.
Tag, Price. F. W. Laencher and J. F. Graeber. 1,888,598; Nov. 22.
Tag, Safety price. J. W. Hutt. 1,891,933; Dec. 27.
Tag stapling device of the plier type. H. Brouwers, jr. 1,847,067; Mar. 1.
Tag, Shell. J. U. Lester. 1,892,580; Dec. 27.
Tail feeding device, Power-operated. J. A. Isbell. 1,845,485; Feb. 2.
Tail gate, Adjustable. E. R. Barrett. 1,883,473; Oct. 18.
Tail gate control device. A. and W. J. Hulley. 1,872,738; Aug. 23.
Tail light. R. F. Cunningham. 1,848,514; Mar. 8.
Tailstock. E. R. Llewellyn. 1,842,035; Jan. 19.
Tailstock. M. W. H. Wilson. 1,856,145; May 3.
Tail wheel. C. Sauzedde. 1,845,345; Feb. 16.
Tailor's gauge. I. Coutu. 1,846,472; Feb. 23.
Take-off and conveyer mechanism for intermittent sheet glass forming machines. E. Gentil. 1,889,065; Nov. 29.
Take-up block. E. Thomas. 1,850,417; May 17.
Take-up device. V. E. Carbonara. 1,873,284; Aug. 23.
Take-up device. A. Kindelmann and E. Boecking. 1,891,155; Dec. 27.
Take-up device for flexible conductors. C. J. Coberly and E. S. Croasdale. 1,864,891; June 28.
Take-up device for shuttles, Lateral. I. Snow. 1,881,066; Oct. 4.
Take-up device for telephone, floor lamp, and other wires. H. Allen. 1,865,069; June 28.
Take-up mechanism, Automatic. J. A. Casaletto. 1,877,385; Sept. 13.
Talking machine. J. Dieux. 1,885,994; Nov. 1.
Talking machine. J. E. Gardner. 1,852,877; Apr. 5.
Talking machine. A. F. Larson and C. W. Anderson. 1,873,432; Aug. 23.
Talking machine. W. D. La Rue. 1,855,840; Apr. 26.
Talking machine. H. A. Thompsett. 1,855,563; Apr. 26.
Talking machine. H. A. Thompsett. 1,879,593; Sept. 27.
Talking machine and record therefor. A. C. Eckert. 1,853,895; Apr. 12.
Talking machine and record therefor. A. C. Eckert. 1,853,896; Apr. 12.
Talking machine and the like. F. A. Mitchell. 1,862,700; June 14.
Talking machine, Automatic. W. R. Moore, jr. 1,875,641; Sept. 6.
Talking machine of the magazine player type. W. R. Oyston. 1,891,626; Dec. 27.
Talking machine, Self operating. J. H. Benjamin. 1,841,593; Jan. 19.
Talking machine. A. A. Thomas. 1,891,738; Dec. 20.
Talking picture screen. W. H. Morris. 1,877,941; Sept. 20.
Tamper control mechanism. H. C. Parker. 1,868,072; July 19.
Tamper for cigarette machine feeds. G. W. Gwinn. 1,859,965; May 24.
Tamper or spader. B. H. Flynn. 1,865,685; July 5.
Tamping machine. J. D. Abram. 1,882,681; Oct. 18.
Tamping machine. E. Schiegries. 1,849,995; Mar. 15.
Tamping machines, Apparatus for moving. E. Schiegries and P. Ischebeck. 1,841,338; Jan. 12.
Tampon, Medical. J. M. Spielberg and A. Goodstein. 1,887,915; Nov. 15.
Tangent for gas meters, Adjustable. W. H. Knight. 1,854,746; Apr. 19.
Tank:
Boat racing tank.
Car tank.
Cleaning or plating tank.
Developing tank.
Diving tank.
Drinking tank.
Expansion tank.
Film developing tank.
Fluid control tank.
Flush tank.
Fuel feeding tank.
Gas filled tank.
Gas tank.
Gasoline tank.
Glass melting tank.
Grain tank.
Knockdown tank.
Locomotive tank.
Milk tank.
Oil tank.
Pickling tank.
Precision measuring tank.
Rescue tank.
Rotary tank.
Sedimentation tank.
Separable compartment tank.
Settling tank.
Storage tank.
Stove and storage tank.
Tender tank.
Toy tank.
Vacuum tank.
Vehicle tank.
Water tank.
Tank. H. C. Bonrdman. 1,865,822; July 5.
Tank. F. S. Boltz. 1,853,112; Apr. 12.
Tank. G. T. Horton. 1,844,854; Feb. 9.
Tank. J. E. Ketonen. 1,887,932; Nov. 15.
Tank and condenser for motor vehicle cooling system, Auxiliary storage. J. A. Peterson. 1,873,632; Aug. 23.
Tank and making the same, Thin metal. W. D. Phetteplace. 1,859,632; May 24.
Tank apparatus, Flush. D. F. Tracey. 1,839,424; Jan. 5.
Tank baffle, Automobile gasoline. J. A. Houck, sr. 1,862,016; June 7.
Tank blocks and like refractories and article made thereby, Making glass. P. G. Willetts. 1,859,227; May 17.
Tank cap. A. R. Fergusson. 1,878,687; Sept. 20.
Tank cap, fuel pipe and drain pipe lock, Combination gas. T. S. Greer. 1,877,418; Sept. 13.
Tank cap lock. C. E. Harris. 1,886,013; Nov. 1.
Tank cap lock. W. F. Peltier. 1,853,427; Apr. 12.
Tank cap lock. C. M. Jespersen. 1,849,746; Mar. 15.
Tank cap lock. J. A. Reasoner. 1,848,976; Mar. 8.
Tank cap lock, Gasoline. A. W. Bryan. 1,867,650; July 19.
Tank car heater. C. D. Chase. 1,865,556; July 5.
Tank cleaner. A. J. Lurry. 1,843,036; Jan. 26.
Tank cleaner. W. McAnear. 1,876,334; Sept. 6.
Tank cleaning device. W. E. Peterson. 1,857,766; May 10.
Tank closure. A. R. Fergusson. 1,880,424; Oct. 4.
Tank closure device. R. C. Stone. 1,839,423; Jan. 5.
Tank closure retaining and locking device. E. S. Mattern. 1,862,229; June 7.
Tank construction. A. A. Kramer. 1,844,961; Feb. 16.
Tank construction. C. M. Pritchard. 1,864,931; June 28.
Tank construction. E. N. Spence. 1,842,735; Jan. 26.
Tank construction, Storage. T. G. Myers. 1,864,927; June 28.
Tank construction, Tank car twin. V. Willoughby. 1,876,186; Sept. 6.
Tank filling device. A. C. Colosimo. 1,844,842; Feb. 9.
Tank filling pipe. E. F. Milliken. 1,840,953; Jan. 12.
Tank fixture, Flush. A. A. Briggs. 1,863,589; June 21.
Tank flange coupling. A. L. Parker. 1,887,423; Nov. 8.
Tank for air compressors. E. A. Hobart. 1,842,173; Jan. 19.
Tank for carbonating systems, Pressure booster. H. L. Johnson and J. E. Treanor. 1,872,462; Aug. 16.
Tank for concrete mixers, Water. J. Eggert. 1,888,551; Nov. 22.
Tank for concrete mixers, Water. G. Jaeger and J. Eggert. 1,876,946; Sept. 13.
Tank for laundry machines. G. W. Dunham. 1,864,190; June 21.
Tank for locomotive tenders. J. R. Foulder. 1,853,897; Apr. 12.
Tank for railway cars. W. P. Murphy. 1,859,338; May 24.
Tank for refrigerator cars, Ice and brine. H. H. McKee. 1,852,551; Dec. 27.
Tank for threshers, Grain storage. L. A. Paradise and E. F. Huddle. 1,862,159; June 7.
Tank for threshers, Grain storage. L. A. Paradise and E. F. Huddle. 1,869,581; Aug. 2.
Tank for toilets, Flush. H. F. Weaver. Des. 87,283; June 28.
Tank for transporting live fish. J. W. Haviland. 1,845,599; Feb. 16.
Tank for volatile liquids, Storage. C. L. Day. 1,851,158; Mar. 29.
Tank for water closet systems, Flush. J. A. Vogel. 1,844,995; Feb. 16.
Tank for water pipe lines, Surge. H. T. Porter. 1,863,728; June 21.
Tank furnace, Continuous. E. T. Ferngren. 1,888,496; Nov. 22.
Tank furnace, Continuous. F. Fraser. 1,872,437; Aug. 16.
Tank furnace, Cylindrical. H. M. Black. 1,841,464; Jan. 19.
Tank gauge. G. M. Etnyre. 1,850,746; Mar. 22.
Tank gauge. R. Star. 1,840,748; Jan. 12.
Tank gauge, Locomotive tender. W. J. Overmire. 1,866,902; July 12.
Tank hand hole and cover. A. F. O'Connor. 1,861,225; May 31.
Tank installation, Underground storage. E. S. Cornell. 1,869,669; Aug. 2.
Tank insulation. R. T. Kemper. 1,855,802; Apr. 26.
Tank or container, Storage. C. M. Pritchard. 1,864,759; June 28.
Tank roof. J. A. Stough. 1,883,076; Oct. 18.
Tank seam. W. Schwemeln. 1,875,666; Sept. 6.
Tank structure. F. Llewellyn. 1,872,308; Aug. 16.
Tank support on motor vehicles. H. S. Eberhard. 1,860,531; May 31.
Tank system for automatic photographic apparatus. B. B. Rochestie and W. H. Jaeger. 1,846,570; Feb. 23.
Tank system, Reserve pressure. C. Sanders. 1,892,535; Dec. 27.
Tank washing machine. E. Marley. 1,884,041; Oct. 25.
Tanks and reducing the molten glass to granules, Method and apparatus for simultaneously emptying glass. R. Gorsuch. 1,865,367; June 28.
Tanks and the like, Device and apparatus for cleaning. J. J. Johnston. 1,889,603; Nov. 29.
Tanks Attachment for fuel J. M. López. 1,848,534; Mar. 8.

Tanks, Automatic shut-off for. V. A. Radomski. 1,865,387; June 28.
Tanks, Erecting. L. D. Morton. 1,839,578; Jan. 5.
Tanks, Making. R. Neuhaus. 1,847,192; Mar. 1.
Tanks, Welding. E. E. Dillman. 1,879,604; Sept. 27.
Tanks with compressed gas, Filling. C. Mott. 1,871,076; Aug. 9.
Tanning. S. Iserman and H. J. Kalscheuer. 1,841,769; Feb. 9.
Tanning agents, Production of synthetic. H. Schuette. 1,851,021; Mar. 29.
Tanning and mordanting agents, Thiophenol. A. Thauss and F. Balhaut. 1,848,506; Mar. 8.
Tanning for the production of leathers of various kinds. H. Trieger. 1,849,559; Mar. 15.
Tanning of fur skins. A. Rogers. 1,845,341; Feb. 16.
Tanning process. O. Röhm, H. Fischer and H. Hess. 1,892,410; Dec. 27.
Tanning substances, Manufacture of. P. Müller. 1,843,849; Jan. 19.
Tanning substances, Preparing. W. Saller. 1,844,018; Feb. 9.
Tap. R. E. Rich. 1,882,910; Oct. 18.
Tap. R. Thomson. 1,846,373; Feb. 23.
Tap. N. Trbolevich. 1,845,063; Feb. 16.
Tap, Adjustable. E. A. Walker. 1,849,160; Mar. 15.
Tap changing system. R. M. Field. 1,871,168; Aug. 9.
Tap changing system. J. T. Mercereau and H. L. Cole. 1,873,777; Aug. 23.
Tap-changing system and apparatus for transformers. L. H. Hill. 1,861,217; May 31.
Tap, Collapsible. W. J. Hogg and F. Neumann. 1,854,309; Apr. 19.
Tap forming machine. J. Flachbart. 1,858,733; May 17.
Tap, Sewage. A. G. Adams. 1,883,459; Oct. 18.
Tap, Thread cutting. E. A. Walker. 1,849,894; Mar. 15.
Tap, Waterworks. R. McAndrew. 1,854,051; Apr. 12.
Tap wrench. H. J. Smith. 1,852,220; Apr. 5.
Tapping machine. J. H. Mansfield. 1,861,350; May 31.
Tapping machine. G. E. Miller. 1,877,251; Sept. 13.
Taps, Forming thread cutting. F. O. Wells. 1,875,362; Sept. 6.
Tappet. H. E. Morehouse. 1,840,633; Jan. 12.
Tappet production method. G. Schneider. 1,851,732; Mar. 29.
Tappet, Self adjusting. R. H. Hamilton. Re18,343; Feb. 2.
Tapprets. Forming. C. B. McDonald. 1,845,311; Feb. 16.
Tape, Adhesive binding. P. L. O'Donnell. 1,888,433; Nov. 22.
Tape applying machine. F. S. Glines. 1,851,005; Mar. 29.
Tape applying machine. W. T. B. Roberts. 1,858,811; May 17.
Tape, Binding. P. L. O'Donnell. 1,888,432; Nov. 22.
Tape, Budding and grafting. P. B. L'Hommedieu. 1,880,255; May 24.
Tape control for tape treating means. J. W. Decker. 1,839,468; Jan. 5.
Tape cut-off. Automatic. J. F. Porter. 1,859,165; May 17.
Tape cutter. W. E. Sharkey. 1,885,867; Nov. 1.
Tape dispensing machine, Adhesive. J. H. Nelson. 1,887,460; Nov. 8.
Tape, Fastener. J. Waldes. 1,885,021; Oct. 25.
Tape for controlling electrical apparatus. W. L. Ducker. 1,885,808; Nov. 1.
Tape, Grafting and budding. A. B. Merrill. 1,869,607; Aug. 2.
Tape, Insulating. I. W. Levine. 1,842,616; Jan. 26.
Tape lines, Device for cleaning. J. L. Posgate. 1,876,744; Sept. 13.
Tape, Making wire. C. D. Johnson. 1,876,953; Sept. 13.
Tape measure hook. R. G. Thompson. 1,860,635; May 31.
Tape measure, R. J. Meader. 1,880,266; Oct. 4.
Tape moistening and pasting device. C. J. Walbran. 1,851,788; Mar. 29.
Tape, Picture. M. Bitner. 1,880,705; Oct. 4.
Tape puller. W. S. Pritchard. 1,861,582; June 7.
Tape pulling device. R. L. Daine. 1,888,623; Nov. 22.
Tape perforator. R. Hoover and F. J. Haupt. 1,851,838; Mar. 29.
Tape serving device. T. H. Krueger. Re18,321–2; Jan. 5.
Tape serving machine. H. C. Hebig. 1,872,945; Aug. 23.
Tape serving machine. J. Link. 1,846,811; Feb. 23.
Tape winding apparatus. L. Roseman. 1,867,596; July 19.
Tape writer attachment for typewriting machines. J. K. Denton and J. G. Lancaster. 1,887,401; Nov. 8.
Tapes, Apparatus and method for marking jacquard. W. Recke. 1,878,643; Sept. 20.
Tapes for garments, Securing. B. Lustgarten. 1,863,725; June 21.
Tapes to seams, Apparatus for applying reenforcing. A. E. Collins. 1,850,706; Mar. 22.
Taping machine. C. Christiansen. 1,867,655; July 19.
Taping machine. G. De Dominicis. 1,879,124; Sept. 27.
Taping machine. H. M. Eaton. 1,889,888; Dec. 6.
Taping machine. J. Wagner. 1,890,477; Dec. 13.
Taper-fitted parts. Separation of. J. S. Tawresey. 1,843,463; Feb. 2.
Taper pin. H. Bodmann. 1,849,728; Mar. 15.
Taper rollers, System of lapping. W. E. Hoke. 1,873,647; Aug. 23.
Tapered feed roller. J. A. Nylund. 1,875,257; Aug. 30.
Tapping device. C. D. Gaudreau. 1,855,479; Apr. 26.
Tappoon. E. J. and J. C. W. Beaty. 1,843,797; Feb. 2.
Tar and apparatus therefor, Distillation of. L. R. Forrest and E. B. Conklin. 1,868,470; July 19.
Tar and recovery of products therefrom, Distillation of. S. P. Miller. 1,844,902; Feb. 9.
Tar and rectification of the distillate therefrom, Distillation of. W. M. Bywater. 1,844,741; Feb. 9.
Tar and simultaneously producing high and low melting point pitches, Method and apparatus for distilling. S. P. Miller. 1,892,469; Dec. 27.
Tar, Apparatus for distillating. S. P. Miller. 1,871,550; Aug. 16.
Tar, Apparatus for the production and distillation of. S. P. Miller. 1,844,903; Feb. 9.
Tar, Dehydration and distillation of E. H. Ellms. 1,871,596; Aug. 16.
Tar distillation. J. Becker. 1,876,594; Sept. 13.
Tar distillation. S. P. Miller. 1,844,896–1; Feb. 9.
Tar distillation. S. P. Miller. 1,862,494; June 7.
Tar distillation. S. P. Miller. 1,888,235–6; Nov. 22.
Tar, Distillation of. E. H. Ellms. 1,863,542; Oct. 18.
Tar, Distillation of. S. P. Miller. 1,868,394–5; July 19.
Tar, Distillation of. A. H. Radasch. 1,884,220; Oct. 25
Tar, etc., Distillation of. P. Miller. 1,844,889; Feb. 9.
Tar from pyroligneous liquids, Removing. D. F. Othmer. 1,866,719; July 12.
Tar, Method and apparatus for distilling. S. P. Miller. 1,892,654; Dec. 27.
Tar, Method of and apparatus for dehydrating. H. A. Kleinman. 1,847,654; Mar. 1.
Tarring machine. R. Grevstad. 1,841,583; Jan. 19.
Tarry mechanism for grinding machines. H. E. Balsiger. 1,858,070; Oct. 18.
Tars and hydrocarbon oil residues, Method and apparatus for coking. G. Cash. 1,844,944; Feb. 16.
Tars, Treatment of. C. F. Broadhead and R. S. Andrews. 1,868,879; July 26.
Tare compensating device. L. Jaenichen. 1,849,009; Mar. 8.
Target. G. M. Knipper. 1,845,609; Feb. 16.
Target. C. F. LeFever. 1,886,562; Nov. 8.
Target. J. B. Semple. 1,841,851; Jan. 19.
Target actuating and resetting mechanism. J. Remonte. 1,851,647; Mar. 29.
Target, Aim registering. J. C. Karnes. 1,889,202; Nov. 29.
Target, Automatic. H. Johannsen. 1,853,979; Apr. 12.
Target, Automatic indicating. E. Gergfeld. 1,847,465; Mar. 1.
Target backstop, Portable. C. J. Koehler. 1,844,581; Feb. 9.
Target, Baseball. C. R. Stackhouse. Des. 87,944; Oct. 11.
Target, Base ball strike zone. G. A. Kleb. 1,879,316; Sept. 27.
Target, Caster gauge. C. H. Phelps. 1,891,573; Dec. 20.
Target, Flying. W. G. Warren. 1,857,701; May 10.
Target for practice shooting, Moving. E. Udet. 1,857,893; May 10.
Target, Golf. A. S. Boyd. 1,862,462; June 7.
Target indicator. E. W. Chafee. 1,862,489; June 7.
Target-practice apparatus. E. R. Nier. 1,848,795; Mar. 8.
Target practice, Apparatus for. M. Wiedeck. 1,865,988; July 5.
Target thrower. J. A. Dickerman. 1,865,173; June 28.
Target trap. G. W. Lorimer. 1,867,578; July 19.
Target trap, Automatic. W. J. Sutcliffe. 1,880,292; Oct. 4.
Tarpaulin. L. N. Weber. 1,871,570–1; Aug. 16.
Tassel, Shoe lace. W. L. Gibbons. Des. 87,052; May 31.
Tawing, dehydrating, and astringent products. H. O. Nolan. 1,891,440; Dec. 20.
Taximeter. F. H. Chase. 1,878,428; Sept. 20.
Taximeter. W. C. Orth. 1,853,875; Apr. 12.
Taximeter and signal operating mechanism therefor. D. Ishbia. 1,854,587; Apr. 19.
Taximeter, City limit. J. Weisinger. 1,853,103; Apr. 12.
Taximeter construction. J. Gluck and R. R. Karich. 1,874,962; Aug. 30.
Taximeter construction, Printing. J. Gluck. 1,846,417; Feb. 23.
Taximeter control mechanism. J. L. Brownell. 1,859,616; May 24.
Taximeter flag control system. D. Papaefthemeou. 1,878,596; Sept. 20.
Tea aroma, Extraction of. O. Strobach and P. A. Wickmann. 1,868,999; July 26.
Tea bagging machine. P. Rohrig. 1,857,662; May 10.
Teakettle. L. Guild and J. K. Matter. Des. 88,228; Nov. 8.
Teakettle. E. C. Lawson. 1,852,084; Apr. 5.
Teakettle or similar article. W. B. Moore. Des. 88,103; Oct. 25.
Teapot. H. J. Blakeslee. 1,879,654; Sept. 27.
Teapot. W. K. Mitchell. 1,886,415; Nov. 8.
Teapot, Counter service. J. G. Luttrell. Des. 87,586; Aug. 16.
Tea pot or similar article. Y. Buma. Des. 86,214; Feb. 16.
Tea, Producing a beverage syrup. P. D. Potter and R. T. Metzger. 1,854,052; Apr. 12.

Tear-testing apparatus, Initial. C. B. Thwing. 1,884,388; Oct. 25.
Teat cup. B. S. Hogeland. 1,888,226; Nov. 22.
Teat cup, Separable. P. C. Ashton. 1,846,243; Feb. 23.
Tedder. H. Hurlimann. 1,863,444; June 14.
Teeming device, Mechanical. F. D. Baumgartner. 1,888,256; Nov. 22.
Teeter board. J. C. Rager. 1,866,906; July 12.
Teeter board, Child's. E. Hetherington. 1,858,892; May 17.
Teeth and mounting them upon excavating implements, Digging. W. J. Brune. 1,885,326; Nov. 1.
Teeth, Artificial. S. Myerson and E. A. Jones. 1,879,419; Sept. 27.
Teeth, Glazing artificial. C. L. Morris. 1,876,015; Sept. 6.
Teeth, Mechanically producing a bunch shaped hollow rib in the back plate of artificial. K. Kreuzeder. 1,842,678; Jan. 26.
Teeth or segments for crusher rolls, Renewable. E. H. Keiper. 1,865,860; July 5.
Teeth or threads of worms and the like, Method of and apparatus for generating the convolute. O. G. Simmons. 1,853,643; Apr. 12.
Teething device. I. Glenn. 1,888,167; Nov. 15.
Teething device. L. N. Podell. Des. 87,240; June 21.
Telegraph apparatus, Printing. E. E. Kleinschmidt. 1,892,352; Dec. 27.
Telegraph carrier system. H. H. Haglund. 1,882,817; Oct. 18.
Telegraph circuits, Reducing lightning interference in carrier. V. D. Thorp. 1,863,574-5; June 21.
Telegraph code translating apparatus. R. D. Salmon. 1,840,057; Jan. 5.
Telegraph communication, Bias control in. J. Herman. 1,886,808; Nov. 8.
Telegraph communication system. D. B. Perry. 1,856,224; May 3.
Telegraph exchange system. J. J. Catogge. 1,884,567; Oct. 25.
Telegraph exchange system, Printing. A. Jipp, E. Rosberg, F. Simon, A. Scheunert, and W. Skawran. 1,870,997; Aug. 9.
Telegraph keying head, Automatic. F. Kunc and E. Knopp. 1,858,511; May 17.
Telegraph plant or type printing telegraph. A. Jipp. 1,859,776; May 24.
Telegraph printer. E. F. Watson. 1,870,392; Aug. 9.
Telegraph printer. E. F. Watson. 1,871,933; Aug. 16.
Telegraph printer. A. Weaver. 1,867,638; July 19.
Telegraph printer and the like. H. L. Krum. 1,857,786; May 10.
Telegraph printer exchange system. L. W. Franklin. 1,881,453; Oct. 11.
Telegraph, Printing. E. E. Kleinschmidt. 1,878,152; Sept. 20.
Telegraph, Printing. H. L. Krum. 1,884,754; Oct. 25.
Telegraph, Printing. A. T. MacCoy. 1,865,264; June 28.
Telegraph printing and like apparatus. R. G. Griffith. 1,864,302; June 21.
Telegraph receiver, Printing. R. Tevis. 1,861,988; June 7.
Telegraph repeater. E. T. Burton. 1,873,283; Aug. 23.
Telegraph repeater. G. S. Vernam. 1,868,673; July 26.
Telegraph repeater system. B. P. Hamilton and W. T. Reid. 1,852,091; Apr. 5.
Telegraph repeater system. G. S. Vernam. 1,850,248; Mar. 22.
Telegraph, Selecting. E. E. Kleinschmidt. 1,883,955; Oct. 25.
Telegraph signal distributing device. W. A. Knoop. 1,852,753; Apr. 5.
Telegraph signaling system. H. L. Krun. 1,864,074; June 21.
Telegraph system. R. G. Griffith. 1,868,703; July 26.
Telegraph system. F. G. Hallden. 1,873,883; Aug. 23.
Telegraph system. B. P. Hamilton. 1,852,050; Apr. 5.
Telegraph system. F. H. Hanley. 1,842,523; Jan. 26.
Telegraph system. M. B. Kerr. 1,855,244; Apr. 26.
Telegraph system. W. T. Rea. 1,842,478; Jan. 26.
Telegraph system. E. F. Watson. 1,870,352; Aug. 9.
Telegraph system and apparatus. R. D. Salmon and F. R. Thomas. 1,879,524; Sept. 27.
Telegraph system, Carrier. V. P. Thorp. 1,850,145; Mar. 22.
Telegraph system, Duplex. J. J. Gilbert. 1,881,481; Oct. 11.
Telegraph system, Duplex. R. G. Griffith. 1,850,232; Mar. 22.
Telegraph system, Eight-unit code. A. F. Connery. 1,872,895; Aug. 23.
Telegraph system, Printing. J. N. Baker. 1,869,994; Aug. 2.
Telegraph system, Printing. H. B. Boose. 1,880,311; Oct. 4.
Telegraph system, Printing. F. L. Henderson. 1,855,185; Apr. 26.
Telegraph system, Printing. P. Hitt. 1,872,951; Aug. 23.
Telegraph system, Printing. D. S. Huifish. 1,861,344; May 31.
Telegraph system, Printing. A. E. Hunt and W. Y. Lang. 1,881,607; Oct. 11.
Telegraph system, Printing. F. J. Singer and L. A. Gardner. 1,871,923; Aug. 16.
Telegraph system, Printing. A. Weaver. 1,858,350; May 17.
Telegraph system, Radio printing. F. G. Hallden. 1,864,303; June 21.
Telegraph system, Start-stop. E. F. Watson. 1,877,437; Sept. 13.
Telegraph system, Submarine cable. E. T. Burton. 1,858,237; May 17.
Telegraph systems, Eliminating interference in grounded. W. H. Kline. 1,865,571; July 5.
Telegraph systems, Eliminating interference in grounded. F. J. Singer. 1,865,593; July 5.
Telegraph systems, Reducing lightning interference in carrier. B. P. Hamilton. 1,863,655; June 21.
Telegraph systems, Two-channel fork-controlled receiving and repeating apparatus for. H. A. Longland. 1,881,758; Oct. 11.
Telegraph transmitter, High speed. H. Chireix. 1,855,569; Apr. 26.
Telegraph transmitting apparatus. J. W. Long and R. Steeneck. 1,881,757; Oct. 11.
Telegraphic messages, Maintaining secrecy in the transmission of wireless. W. Broertjes. 1,869,659; Aug. 2.
Telegraphic recorder. E. Knopp and F. Kunc. 1,858,510; May 17.
Telegraphone. F. Schroeter. 1,867,179; July 12.
Telegraphophone. L. J. Leishman. 1,844,583; Feb. 9.
Telegraphy and telephony, Wireless. G. M. Wright. 1,876,124; Sept. 6.
Telegraphy, Multiplex. G. S. Vernam. 1,874,664; Aug. 30.
Telegraphy, Printing. A. F. Connery. 1,848,320; Mar. 8.
Telegraphy, Regenerative repeater for start-stop systems of automatic. R. F. Dirkes and J. N. Anderson, jr. 1,856,985; May 3.
Telegraphy system, Secret. F. Cartier. 1,868,967; July 26.
Telemeter. C. S. Francis, jr. 1,843,419; Feb. 2.
Telemetering method and apparatus. A. S. Fitz Gerald. 1,889,597; Nov. 29.
Telemetric system. A. S. Fitz Gerald. 1,849,827; Mar. 15.
Telemetric system. A. S. Fitz Gerald. 1,849,870; Mar. 15.
Telephone. V. S. Tharp. 1,839,229; Nov. 29.
Telephone and microphone, Electrostatic. E. Relsz. 1,859,170; May 17.
Telephone and signal system, Railway. E. Aiello. 1,848,783; Feb. 23.
Telephone, Apartment house. J. O. Cadieux. 1,857,107; May 3.
Telephone apparatus. N. Wise. 1,882,106; Oct. 11.
Telephone apparatus, Prophylactic device for. A. S. de Quesada. 1,840,160; Jan. 5.
Telephone attachment. D. Rappaport. 1,851,445; Mar. 29.
Telephone attachment. D. Rappaport. 1,878,601; Sept. 20.
Telephone, Automatic answering and recording. H. E. Huntington and W. A. Booz. 1,878,778; Sept. 20.
Telephone cable. E. Fischer. 1,846,636; Feb. 23.
Telephone call box, Automatic. P. G. T. DeVilliers. 1,878,762; Sept. 20.
Telephone circuit. C. C. Cash. 1,890,561; Dec. 13.
Telephone connecting device, Multiple. G. D. Mansfield. 1,839,795; Jan. 5.
Telephone dial system. F. S. Irvine. 1,840,364; Jan. 12.
Telephone dialing and recording apparatus, Automatic. E. Fischer. 1,870,547; Aug. 9.
Telephone direction plate. G. A. Long. 1,889,737; Nov. 29.
Telephone exchange system. W. W. Carpenter and R. E. Collis. 1,855,598; Apr. 26.
Telephone exchange system. B. G. Dunham. 1,849,662; Mar. 15.
Telephone exchange system. H. Hovland. 1,841,123; Jan. 12.
Telephone exchange system. H. Hovland. 1,863,307; June 14.
Telephone exchange system. R. F. Massonneau. 1,864,082; June 21.
Telephone exchange system. M. B. McDavitt. 1,859,404; May 24.
Telephone exchange system. L. F. Porter. 1,840,368; Jan. 12.
Telephone exchange system. R. L. Stokely. 1,844,111; Feb. 9.
Telephone exchange system. R. L. Stokely. 1,859,941; May 24.
Telephone exchange system. R. L. Stokely. 1,860,515; May 31.
Telephone exchange system. R. L. Stokely. 1,861,196; May 31.
Telephone exchange system. R. L. Stokely. 1,864,955; June 28.
Telephone exchange system. C. De Vriendt. 1,863,330; June 14.
Telephone exchange system. G. Wirth. 1,854,916; Apr. 19.
Telephone exchange system, Automatic. C. L. Goodrum. 1,840,356; Jan. 12.
Telephone exchange system, Automatic. E. P. G. Wright. 1,858,069; May 10.
Telephone exchange system, Automatic and semiautomatic. G. Deakin and L. Polinkowsky. 1,845,248; Feb. 16.

Telephone exchange system, Automatic and semiautomatic. C. Deakin and L. Polinkowsky. 1,853,962; Apr. 12.
Telephone exchange system, Call charging. L. H. Johnson and E. S. Gibson. 1,859,924; May 24.
Telephone index. M. Lichter. 1,860,863; May 31.
Telephone, intercommunicating. S. M. Kenerson. 1,847,061; Feb. 23.
Telephone, line line and diving cable, Deep sea. G. L. Wanamaker. 1,880,060; Sept. 27.
Telephone pay station. A. F. Bennett. 1,863,322; June 14.
Telephone pay station apparatus. H. M. Bollinger. 1,887,576; Nov. 15.
Telephone pay station boxes, Forming. G. A. Long. 1,885,356; Nov. 22.
Telephone plant. D. C. Crowe. 1,889,466; Nov. 29.
Telephone plant, K. Larson and N. G. Palmgren. 1,877,672; Sept. 13.
Telephone, Prepayment. K. W. Thalhammer. 1,862,639; June 14.
Telephone quality, Determination of. J. C. Steinberg. 1,844,110; Feb. 9.
Telephone receiver. C. H. Franks. 1,841,469; Jan. 19.
Telephone receiver. A. Meyer. 1,854,802; Apr. 19.
Telephone receiver. W. G. Shull. 1,860,960; May 31.
Telephone receiver. J. C. Steinberg. 1,854,812; Apr. 19.
Telephone receiver and transmitter set, Combined. G. Strehli. 1,866,429; July 5.
Telephone receivers, Pick up attachment for. W. Ochse. 1,842,190; Jan. 19.
Telephone register. D. M. Carr. 1,883,549; Oct. 18.
Telephone ringing system. J. W. Gooderham. 1,864,061; June 21.
Telephone sets and the like, Operative-support for. T. P. Hazard. 1,847,649; Mar. 1.
Telephone signaling arrangement. W. H. Edwards. 1,864,646; June 28.
Telephone signaling arrangement, Party. W. H. Edwards. 1,847,472; Aug. 30.
Telephone signal-transmitting method and device, Automatic. C. S. Batdorf. 1,891,633; Dec. 20.
Telephone signaling system. L. G. Abraham and E. M. Staples. 1,870,356; Aug. 9.
Telephone signaling system. W. H. Edwards. 1,860,458; May 31.
Telephone signaling systems. W. H. Edwards. 1,864,645; June 28.
Telephone substation set. J. M. Labaugh. 1,847,116; Mar. 1.
Telephone switch, Automatic. F. Merk. 1,849,986; Mar. 15.
Telephone system. K. Ballhorn. 1,845,215; Feb. 16.
Telephone system. C. E. Beale and H. S. Deyes. 1,855,701; Apr. 26.
Telephone system. J. I. Bellamy. 1,839,460; Jan. 5.
Telephone system. J. I. Bellamy. 1,846,466; Feb. 23.
Telephone system. J. I. Bellamy. 1,872,558; Aug. 16.
Telephone system. L. J. Bowne. 1,859,910; May 24.
Telephone system. L. J. Bowne. 1,882,753; Oct. 18.
Telephone system. H. E. Bragg. 1,841,964; Jan. 19.
Telephone system. J. A. Burgener. 1,871,300; Aug. 9.
Telephone system. A. Capek and F. Van den Broecke. 1,890,899; Dec. 13.
Telephone system. W. W. Carpenter and J. F. Dahl. 1,868,300; July 19.
Telephone system. A. E. Caswell. 1,888,307; Nov. 22.
Telephone system. D. A. Christian. 1,860,213; May 24.
Telephone system. T. F. Crocker. 1,842,659; Jan. 26.
Telephone system. T. F. Crocker. 1,869,017; July 26.
Telephone system. T. F. Crocker and W. S. Tharp. 1,883,589; Oct. 18.
Telephone system. T. V. Curley. 1,863,086; June 14.
Telephone system. R. G. Dixon. 1,842,152; Jan. 19.
Telephone system. W. H. Edwards. 1,859,385-6; May 24.
Telephone system. A. B. Elkins. 1,887,588; Nov. 15.
Telephone system. J. G. Ferguson. 1,862,532; June 14.
Telephone system. J. H. Fitzgerald. 1,851,385; Mar. 29.
Telephone system. A. E. Fleuley. 1,872,720; Aug. 23.
Telephone system. C. Gillings. 1,841,725; Jan. 19.
Telephone system. J. W. Gooderham. 1,852,647; Apr. 5.
Telephone system. J. W. Gooderham. 1,852,746; Apr. 5.
Telephone system. L. B. Haigh and H. E. A. Borzer. 1,881,273; Oct. 4.
Telephone system. W. T. Haines. 1,846,516; Feb. 23.
Telephone system. W. T. Haines. 1,879,741; Sept. 27.
Telephone system. W. Hatton, R. D. Spann, E. J. Rousseau, and F. O. V. Larsen. 1,881,550; Oct. 11.
Telephone system. H. E. Hershey. 1,841,733; Jan. 19.
Telephone system. E. Horn. 1,865,187-8; June 28.
Telephone system. H. Hovland. 1,849,087-8; Mar. 15.
Telephone system. H. C. Johnson. 1,851,185; Mar. 29.
Telephone system. F. L. Kahn. 1,891,423; Dec. 20.
Telephone system. G. V. King. 1,868,326; July 19.
Telephone system. G. V. King and F. A. Bonomi. 1,866,260; July 5.
Telephone system. G. V. King and F. A. Bonomi. 1,881,669; Oct. 11.
Telephone system. H. E. Kittredge. 1,846,261-2; Feb. 23.
Telephone system. C. D. Koechling. 1,840,109; Jan. 5.
Telephone system. K. Larsson. 1,865,689; July 5.
Telephone system. C. E. Lomax. 1,869,016; July 26.
Telephone system. F. Lubberger and G. Rothert. 1,862,689; June 14.
Telephone system. T. A. Marshall. 1,890,523; Dec. 13.
Telephone system. M. Mathias. 1,865,200; June 28.
Telephone system. W. H. Matthies. 1,882,851; Oct. 18.
Telephone system. J. F. McElhinn. 1,889,683; Nov. 29.
Telephone system. H. B. McElyea. 1,874,506; Aug. 30.
Telephone system. J. B. McKim. 1,859,929; May 24.
Telephone system, Measured service. E. E. Ostline. 1,858,863; May 17.
Telephone system. E. R. Neir and S. E. Witt. 1,861,224; May 31.
Telephone system. E. R. Neir and S. E. Witt. 1,886,296; Nov. 1.
Telephone system. J. E. Ostline. 1,855,727; Apr. 26.
Telephone system. J. E. Ostline. 1,871,079; Aug. 9.
Telephone system. J. E. Ostline, R. Taylor, and C. E. Beale. 1,859,564; Nov. 29.
Telephone system. R. C. Pain. 1,859,885; May 24.
Telephone system. W. G. Patterson. 1,889,759; Dec. 6.
Telephone system. O. A. Pearce and L. M. Simpson. 1,888,964; Nov. 22.
Telephone system. A. Peissner. 1,871,080; Aug. 9.
Telephone system. C. L. Peters. 1,845,953; Feb. 16.
Telephone system. E. S. Peterson. 1,889,107; Nov. 29.
Telephone system. H. E. Phelps. 1,868,585; July 26.
Telephone system. A. B. Preuss. 1,855,416; Apr. 26.
Telephone system. R. L. Quass. 1,850,603; Mar. 22.
Telephone system. R. L. Quass. 1,864,553; June 28.
Telephone system. R. Raymond and W. J. Scully. 1,862,549; June 14.
Telephone system. T. G. Rice. 1,842,119; Jan. 19.
Telephone system. T. H. Roberts. 1,840,132; Jan. 5.
Telephone system. T. H. Roberts. 1,841,079; Jan. 19.
Telephone system. N. H. Saunders. 1,851,132; Mar. 29.
Telephone system. N. H. Saunders. 1,868,994; July 26.
Telephone system. N. H. Saunders. 1,882,042; Oct. 11.
Telephone system. L. J. Stacy. 1,857,827; May 10.
Telephone system. R. F. Stehlik. 1,870,471; Aug. 9.
Telephone system. W. E. Stevens. 1,855,616; Apr. 26.
Telephone system. R. L. Stokely. 1,850,608; Mar. 22.
Telephone system. R. L. Stokely. 1,851,139; Mar. 29.
Telephone system. R. Taylor and C. E. Beale. 1,885,650; Nov. 1.
Telephone system. R. Taylor and F. E. Comyn. 1,850,424; Mar. 22.
Telephone system. V. S. Tharp. 1,855,779; Apr. 26.
Telephone system. V. S. Tharp. 1,868,956; July 26.
Telephone system. T. H. Turney. 1,848,399; Mar. 8.
Telephone system. H. Voss. 1,888,357; Nov. 22.
Telephone system. B. A. Wallace. 1,890,479-80; Dec. 13.
Telephone system. A. Waschack. 1,868,036; July 19.
Telephone system. W. Whitney. 1,840,376; Jan. 5.
Telephone system. W. Whitney. 1,855,593; Apr. 26.
Telephone system. W. Whitney. 1,863,292; June 14.
Telephone system. J. Wicks. 1,847,154; Mar. 1.
Telephone system. J. Wicks. 1,886,613; Nov. 8.
Telephone system. F. Wolf. 1,865,156; June 28.
Telephone system. E. P. G. Wright. 1,860,066; May 24.
Telephone system. E. P. G. Wright. 1,874,684; Aug. 30.
Telephone System, Automatic. W. W. Carpenter. 1,854,106; Apr. 12.
Telephone system, Automatic. T. F. Crocker. 1,842,585; Jan. 26.
Telephone system, Automatic. H. M. Friendly. 1,852,745; Apr. 5.
Telephone system, Automatic. H. M. Friendly. 1,883,679-80; Oct. 18.
Telephone system, Automatic. J. E. Gardner. 1,870,621; Aug. 9.
Telephone system, Automatic. F. Gohorel. 1,842,602; Jan. 26.
Telephone system, Automatic. F. Gohorel. 1,870,448; Aug. 9.
Telephone system, Automatic. W. Hatton. 1,886,097; Nov. 1.
Telephone system, Automatic. W. Hatton and R. Dahl. 1,840,950; Jan. 12.
Telephone system, Automatic. R. Hoefert and K. Wollack. 1,866,597; July 12.
Telephone system, Automatic. J. E. Gardner. Re18,686; Dec. 6.
Telephone system, Automatic. F. L. Kahn. 1,877,883; Sept. 20.
Telephone system, Automatic. M. Mathias. 1,865,201; June 28.
Telephone system, Automatic. N. H. Saunders. 1,849,694; Mar. 15.
Telephone system, Automatic. C. E. Stevens and J. C. Schooneman. 1,886,065; Nov. 1.
Telephone system, Automatic. R. L. Stokeley. 1,868,296; July 19.
Telephone system, Automatic. M. Tchoubritch. 1,885,491; Nov. 1.
Telephone system, Automatic. J. Wicks. 1,887,744; Nov. 15.
Telephone system, Automatic. E. P. G. Wright and L. B. Haigh. 1,891,254; Dec. 20.
Telephone system, Automatic. G. Zapf and A. Peissner. 1,867,791; July 19.
Telephone system, Automatic and semiautomatic. E. H. Clark. 1,844,147; Feb. 9.
Telephone system, Automatic and semiautomatic. E. P. G. Wright. 1,851,996; Apr. 5.

Telephone system, Automatic or semiautomatic. J. H. E. Baker. 1,851,482; Mar. 29.
Telephone system, Automatic or semiautomatic. J. H. E. Baker and L. B. Emigh. 1,857,853; May 10.
Telephone system, Call distributing. W. T. Powell. 1,861,754; June 7.
Telephone system for high tension transmission lines. R. B. H. Rockwell. 1,852,902; Apr. 5.
Telephone system, Intercommunication. W. Feind. 1,866,939; July 12.
Telephone system, Lockout party-line. B. D. Willis. 1,850,192; Mar. 22.
Telephone system, Long distance. A. W. Horton, jr. 1,884,697; Oct. 25.
Telephone system, Multioffice. M. L. Nelson. 1,855,724; Apr. 26.
Telephone system, Multioffice. J. E. Ostline. Re18,688; Dec. 6.
Telephone system, Multi-office. A. J. Ray. 1,881,297; Oct. 4.
Telephone system, Power line carrier. H. B. Arnold. 1,873,255; Aug. 23.
Telephone system, Power line carrier. J. D. Sarros. 1,873,334; Aug. 23.
Telephone system, Semiautomatic. T. S. Skillman. 1,859,476; May 24.
Telephone system, Semiautomatic. J. Wicks. Re18,687; Dec. 6.
Telephone system, Semiautomatic rural. L. Polinkowsky. 1,848,196; Mar. 8.
Telephone systems, Metering and timing apparatus for. P. H. Hellmer. 1,840,359; Jan. 12.
Telephone testing system. W. S. Freesland. 1,855,852; Apr. 26.
Telephone transmission, Long distance. A. W. Horton, Jr. 1,844,424; Feb. 9.
Telephone transmission system. K. E. Latimer. 1,840,113; Jan. 5.
Telephone trunking system. J. Wicks. Re18,373; Mar. 1.
Telephone, Wall. R. L. Sargisson. Des. 87,131; June 7.
Telephone wire connecting means for railway trains. T. J. Fitzsimmons. 1,891,349; Dec. 20.
Telephones, Auxiliary base and switch attachment for. C. F. Johanning. Re18,462; May 17.
Telephoning, Operating mechanism for automatic. W. H. Fitch. 1,859,622; May 24.
Telephonic instrument for reproducing sound vibrations. W. F. Stunz. 1,853,845; Feb. 2.
Telephony over a single carrier frequency, Apparatus adapted to duplex. P. Tätz. 1,891,362; Dec. 20.
Telescope, Aiming. I. Pechan and J. Schler. 1,889,151; Nov. 29.
Telescope, stand, and observation platform therefor, Combination. H. E. Ingenmann. Des. 87,694; Aug. 30.
Telescopic coach and jack. L. H. Bradburn. 1,861,906; June 7.
Telescopic drum, Dropside. W. E. Swern. 1,854,813; Apr. 19.
Telescopic or extensible table. A. Grundy and F. Dawber. 1,874,590; Aug. 30.
Telescoping gauge. O. J. Witchger. 1,860,640; May 31.
Telethermometer. W. A. Baker and C. H. Kuhlman. 1,857,870; July 19.
Telethermometer, Humidity affected. C. H. Kuhlman. 1,864,744; June 28.
Television. C. D. Fahrney. 1,862,743; June 14.
Television. H. E. Ives and F. Gray. 1,873,411; Aug. 23.
Television. S. J. Liacos. 1,866,413; July 5.
Television. H. J. McCreary. 1,849,679; Mar. 15.
Television, Alternating current. A. M. Nicolson. 1,839,696; Jan. 5.
Television and like apparatus. J. L. Baird. 1,869,735; Aug. 2.
Television apparatus. M. Centeno V. 1,873,696; Aug. 23.
Television apparatus. M. Centeno V. 1,873,926; Aug. 23.
Television apparatus. A. F. Godefroy. 1,859,824; May 24.
Television apparatus. L. Silberstein. 1,839,777; Jan. 5.
Television apparatus. V. K. Zworykin. 1,870,702; Aug. 9.
Television apparatus and method of televising. W. T. Lewis. 1,841,487; Jan. 19.
Television apparatus, Speed and position control for. W. J. Morrison and J. W. Horton. 1,860,925; May 31.
Television device. R. Barthelemy. 1,854,682; Apr. 19.
Television method and apparatus. S. D. Haberle. 1,840,446; Jan. 12.
Television or like system and apparatus. J. L. Baird. 1,890,558; Dec. 13.
Television receiver. E. F. W. Alexanderson. 1,889,587; Nov. 29.
Television receiver. C. D. Fahrney. 1,889,727; Nov. 29.
Television receiver. R. D. Kell. 1,857,154; May 10.
Television scanning device. W. J. Barnecut. 1,862,455; June 7.
Television, Scanning system for. A. Mc L. Nicolson. Re18,572; Mar. 1.
Television system. F. Conrad. 1,853,661; Apr. 12.
Television system. C. L. Davis. 1,848,324; Mar. 8.
Television system. C. L. Davis. 1,874,171-2; Aug. 30.
Television system. C. L. Davis. 1,883,593; Oct. 25.
Television system. C. L. Davis. 1,889,852; Dec. 6.
Television system. J. H. Hammond, jr. 1,867,542; July 12.
Television system. A. Karolus. 1,889,990; Dec. 6.
Television system. A. Prinz. 1,854,274; Apr. 19.
Television system. J. B. Rathbun. 1,870,465; Aug. 9.
Television system, Motion picture. C. W. Hough. 1,889,424; Aug. 2.
Television systems, Mirror wheel for. A. Karolus. 1,850,629; Mar. 22.
Televisor, Fog penetrating. J. V. Bayer. 1,876,272; Sept. 6.
Telitale for automobile headlights. H. F. Ingwarson. 1,861,699; June 7.
Tellurian. F. G. Jones. 1,863,600; June 21.
Tellurian. B. B. Mahatho. 1,860,933; May 31.
Tellurium resistor for refrigerators. E. H. Horstkotte. 1,879,253; Sept. 27.
Temperature and circuit control system for high frequency signaling systems. R. B. Meyer. 1,884,797; Oct. 25.
Temperature and flow indicator and flow control cooling waters for motors. E. H. Fahrney. 1,874,263; Aug. 30.
Temperature and humidity, Method of and apparatus for controlling. A. C. Brimsod. 1,849,565; Jan. 12.
Temperature carbonization, Apparatus for low. P. C. Pope. 1,882,888; Oct. 18.
Temperature changing device, Liquid. W. A. Barrett. 1,861,292; May 31.
Temperature compensator. E. W. Yearsley. 1,851,998; Apr. 5.
Temperature compensator for electric measuring instruments. C. W. McKinley. 1,847,251; Mar. 1.
Temperature control. H. W. Partlow. 1,861,509; June 7.
Temperature control. M. H. Tuttle. 1,829,425; Jan. 5.
Temperature control apparatus. W. H. Ingersoll. 1,877,327; Sept. 13.
Temperature control apparatus. A. H. Spitzenberger and C. E. Fronsdahl. 1,848,400; Mar. 8.
Temperature control apparatus. J. G. Tandberg. 1,881,978; Oct. 11.
Temperature control apparatus. C. Wilhjelm. 1,849,163; Mar. 15.
Temperature control apparatus for frequency control devices. L. A. Gebhard. 1,862,929; June 14.
Temperature control, Automatic. W. T. Honiss. 1,842,367-8; Jan. 19.
Temperature control device, Automatic. F. F. Uehling. 1,851,559; Jan. 19.
Temperature control, Fluid. H. J. Lang. 1,873,769; Aug. 23.
Temperature control of exothermic reactions. H. A. Bond. 1,888,066; Nov. 15.
Temperature control for heating and ventilating units, Multiple. E. L. Wertt, W. Ewald, and P. P. Henshall. 1,858,806; May 17.
Temperature control in force feed lubricating oil systems. E. W. Evans. 1,870,675; Aug. 9.
Temperature control mechanism for heating systems. C. A. Thinn and E. A. Taylor. 1,875,957; Sept. 6.
Temperature control system. A. Crossley. 1,884,585; Oct. 25.
Temperature control system. C. F. Rudolph. 1,892,165; Dec. 27.
Temperature control system. C. Wilhjelm and G. S. Frazee. 1,849,162; Mar. 15.
Temperature control, Thermostatic. O. J. Kay. 1,844,321; Feb. 9.
Temperature controlled apparatus. J. A. Spencer. 1,845,357; Feb. 16.
Temperature controlled apparatus. J. A. Spencer. 1,845,997; Feb. 16.
Temperature controlled release for fire extinguishing nozzles. B. Reichelt. 1,847,849; Mar. 1.
Temperature controlling and measuring apparatus. L. R. Koller. 1,860,187; May 24.
Temperature controlling apparatus. E. T. Johnsson. Re18,345; Feb. 2.
Temperature controlling device for refrigerating machines. C. C. Thomas. 1,878,301; Sept. 20.
Temperature, Controlling interior. J. A. Serrell. 1,881,099; Oct. 4.
Temperature controlling method for ceramic furnaces or kilns. A. S. Watts. 1,857,702; May 10.
Temperature indicating instrument. I. F. Kinnard and H. T. Faus. 1,857,106; May 10.
Temperature indicating means. E. J. Albert. 1,883,444; Oct. 18.
Temperature indicating system for internal combustion engines. H. Schlinck. 1,852,982; Apr. 5.
Temperature indicator. F. F. Forshee. 1,873,374; Aug. 23.
Temperature indicator. T. G. Moulding. 1,847,438; Mar. 1.
Temperature indicator. L. C. Nichols. 1,862,763; June 14.
Temperature indicator. L. D. Nilson. 1,879,428; Sept. 27.
Temperature indicator for rotating bodies. A. W. Keen. 1,871,325; Aug. 9.
Temperature indicator, Freezing. D. N. Crosthwait, jr. 1,874,911; Aug. 30.
Temperature maintaining apparatus. G. W. B. and R. S. B. Beauchamp. 1,855,817; Apr. 26.
Temperature measuring device for rubber working machinery. C. E. Maynard. 1,876,712; Sept. 13.

Temperature of fluid, Apparatus for controlling. F. A. Howard. 1,860,837; May 31.
Temperature of pressure control, Automatic. A. J. Mansure. 1,876,822; Sept. 13.
Temperature or pressure regulator. J. V. Giesler. 1,855,721; Nov. 1.
Temperature regulating and humidifying apparatus. C. L. Whitaker. 1,868,264; July 19.
Temperature regulating apparatus. D. J. Stewart and P. W. Cummings. 1,859,325; Apr. 12.
Temperature regulating apparatus for signaling devices. L. A. Gebhard. 1,873,838; Aug. 23.
Temperature regulating system. A. A. Dicke. 1,876,636; Sept. 13.
Temperature regulating system. F. A. Faust. 1,892,047; Dec. 27.
Temperature regulation. A. J. Otto. 1,859,407; May 24.
Temperature regulator. G. W. Hegel. 1,842,967; Jan. 26.
Temperature regulator. G. Herbster. 1,871,267; Aug. 9.
Temperature regulator, Thermostatic. R. F. Henneuse. 1,845,499; Feb. 16.
Temperature responsive device. J. H. Derby. 1,868,136; July 19.
Temperature responsive device. E. Tyden. 1,856,274; May 3.
Temperature-sensitive element, Producing a. N. B. Pilling and R. E. Bedworth. 1,865,208; June 28.
Temperature switch, Reversible. M. E. Henning. 1,843,007; Feb. 2.
Temperatures and the like, Method and apparatus for controlling. L. E. Howard. 1,871,691; Aug. 16.
Temperatures. Humidifying and lowering room. G. B. Dungan. 1,846,932; Feb. 23.
Temperatures in chemical reactions, Apparatus for controlling. C. R. Downs. 1,873,876; Aug. 23.
Temperatures, Method and apparatus for controlling. J. J. Kanter. 1,873,421; Aug. 23.
Temperatures, Obtaining elevated. W. L. Spalding. 1,846,632; Feb. 23.
Temperatures of incandescent bodies, Measuring the. G. Naeser. 1,865,878; July 5.
Temperatures of moving bodies, Method of and apparatus for indicating. P. B. Schuster. 1,889,385; Nov. 29.
Temperatures, Producing high. R. G. Wulff. 1,880,306; Oct. 4.
Tempering apparatus. M. S. Clawson. 1,874,448; Aug. 30.
Tempering device. E. W. Pierce. 1,852,625; Apr. 5.
Tempering machine. O. F. Anderson. 1,870,159; Aug. 2.
Template. W. H. Hudson. 1,871,178; Aug. 9.
Template. R. J. Moore. 1,846,138; Feb. 23.
Template, Adjustable. P. C. Lawson and C. B. Schafer. 1,866,819; May 24.
Template cutting machine. O. L. Coggin. 1,844,032; Feb. 9.
Template for rails and joints, Field. W. E. Gadd. 1,857,951; May 10.
Template for the manufacture of flat articles from thin sheets of rubber. L. and L. Dorogi. 1,855,183; Apr. 26.
Template for the production of articles composed of crude rubber sheets, Pressing and cutting. I. and L. Dorigi. 1,869,850; Aug. 2.
Template holding device. H. S. Boone. 1,890,073; Dec. 6.
Template, Masonry crevice-forming. C. F. Lytle. 1,859,512; Mar. 29.
Temple. W. H. Bahan. 1,839,635; Jan. 5.
Temple bar construction. G. E. Nerney. 1,845,807; Feb. 16.
Temple connection. I. M. Schwab. 1,843,496; Feb. 2.
Temple for spectacles or the like. B. Mintz. Des. 86,623; Mar. 29.
Temple member for spectacles. E. Reynolds. Des. 87,547; Aug. 9.
Tender, Locomotive. R. W. Anderson. 1,886,361; Nov. 8.
Tender, Locomotive. F. Hogg. 1,886,678; Nov. 8.
Tender, Locomotive. E. A. Turner. 1,886,317; Nov. 1.
Tender tank. E. E. Hicken. 1,869,255; July 26.
Tennis racket. S. C. Allen. 1,869,038; July 26.
Tennis racket. J. L. Kleinman. 1,868,238; July 19.
Tennis racket frame. W. Bancroft. 1,871,578; Aug. 16.
Tennis racket press and cover, Combination. A. Halpin. 1,841,596; Jan. 19.
Tenoning machine. A. G. Buchan and I. J. Lyons. 1,854,057; Feb. 9.
Tens carrying means. H. F. B. Hogfors. 1,879,245; Sept. 27.
Tension and adjusting device for vests and other garments. M. B. Gordon. 1,854,133; Apr. 12.
Tension controlling device. H. W. Nieman. 1,875,111; Aug. 30.
Tension controlling mechanism, Web. C. S. Crafts. 1,888,549; Nov. 22.
Tension cutout and the like, High. E. N. Nordhem. 1,857,322; May 10.
Tension device. A. Anderson. 1,868,558; July 26.
Tension device. J. A. Anderson. 1,852,539; Oct. 11.
Tension device. H. D. Clinton. 1,880,810; Oct. 4.
Tension device. J. B. Daudelin. 1,875,568; Sept. 6.
Tension device. L. B. Hasbrouck. 1,844,010; Feb. 9.
Tension device. L. Jones and W. R. Clark. 1,854,198; Apr. 19.
Tension device. W. C. McBain. 1,881,056; Oct. 4.
Tension-device. E. R. Swanson. 1,863,951; June 21.
Tension device for automobile tops. G. Broomhead. 1,879,060; Sept. 27.
Tension device for coil winding machines and the like. O. A. Pearson. 1,884,183; Oct. 25.
Tension device for coil winding machines. C. Macbeth. 1,865,577; July 5.
Tension for the warp in looms for weaving, Insuring a constant or desired let-off. S. A. Shorter. 1,889,266; Nov. 29.
Tension device for variable speed drives, Equalizing. W. F. Dehuff. 1,890,500; Dec. 13.
Tension device for winding machines. E. Snyder. 1,876,781; Sept. 13.
Tension device for yarns. G. Kershaw. 1,853,686; Apr. 12.
Tension for yarn winders. E. R. Holmes. 1,856,188; May 3.
Tension frame. W. F. Horsting. 1,877,877; Sept. 20.
Tension in sheet material, Device for controlling. F. J. Lanz. 1,852,317; Apr. 5.
Tension indicator. W. R. Martin. 1,872,087; Aug. 16.
Tension meter. O. C. Roesen. 1,883,932; Oct. 18.
Tension take-up device for knitting machines. A. E. Ischinger. 1,861,962; June 7.
Tensioning apparatus. F. C. Biggert, jr. 1,854,016; Apr. 12.
Tensioning device. C. A. Brandes. 1,860,072; May 24.
Tensioning means for feed rolls and the like. C. Donley. 1,883,623; Oct. 18.
Tensioning weight for the lace thread in the lace bone or bobbin, Adjustable. J. Reich and L. Mayerhofer. 1,850,475; Mar. 22.
Tent. J. J. Adams. 1,846,011; Feb. 23.
Tent. P. Carpenter. 1,850,280; Mar. 22.
Tent. C. B. Henderson. 1,852,239; Apr. 5.
Tent. A. H. Rummler. 1,856,658; May 3.
Tent and awning play. I. P. Smith. Des. 86,938–4; May 17.
Tent, Collapsible. S. Mills. 1,846,496; Feb. 23.
Tent construction. S. E. Bernstein. 1,892,378; Dec. 27.
Tent construction. C. M. Wickstrum. 1,884,449; Oct. 25.
Tent for vehicles, Dressing. J. D. Bell. 1,841,002; Jan. 12.
Tent frame. C. C. Chittim. 1,883,972; Nov. 29.
Tent frame, Collapsible. C. M. Mace. 1,853,367; Apr. 12.
Tent frame, Foldable. G. E. Hubbard. 1,851,909; Mar. 29.
Tent pole, Foldable or collapsible. D. C. Baker. 1,840,689; Jan. 12.
Tent supporting structure. B. H. Brooks. 1,846,305; Feb. 23.
Tenter clip. W. A. Stelling. 1,856,795; May 3.
Terminal. L. E. Menut. 1,862,275; June 7.
Terminal. A. M. Myers. 1,873,169; Sept. 20.
Terminal. E. F. Peyton. 1,885,477; Nov. 1.
Terminal and method of attachment thereof. G. L. Rock. 1,847,100; Mar. 1.
Terminal and terminal connection, Electrical. B. D. Dykes. 1,844,916; Feb. 9.
Terminal block. R. T. Roth. 1,886,743; Nov. 8.
Terminal block, Electrical. H. J. Blakeslee. 1,891,212; Dec. 13.
Terminal box. Electric. W. H. Pratt. 1,847,897; Mar. 1.
Terminal clamp. M. Wright. 1,884,482; Oct. 25.
Terminal connecter and support for line wires. A. High. 1,857,956; May 10.
Terminal device. G. A. Burr. 1,870,833; Aug. 9.
Terminal, Electric. A. Jacobson. 1,873,930; Aug. 23.
Terminal, Electrical. R. C. Hyde. 1,888,384; Nov. 22.
Terminal fastening device. J. A. H. Siers. 1,885,868; Nov. 1.
Terminal for electric resistances. R. Oppenheim. 1,842,191; Jan. 19.
Terminal for electrical conductors. E. L. Wiegand. 1,848,759; Mar. 8.
Terminal for enclosed fuse cut outs. H. J. Hammerly. 1,849,249; Mar. 15.
Terminal for oil filled cables and evacuating the same. E. D. Eby. 1,888,075; Nov. 15.
Terminal for storage batteries. W. E. Greenwood. 1,844,757; Feb. 9.
Terminal for storage batteries. W. B. Pietenpol and F. C. Walz. 1,852,366; Apr. 5.
Terminal, Oil-cooled. R. W. Atkinson. 1,878,094; Sept. 20.
Terminal puller. F. L. Borchert. 1,853,846; Apr. 12.
Terminal strip. H. W. Goff. 1,862,591; June 14.
Terminals, Attachable cross or joint bond welding. E. C. Kirk. 1,890,613; Dec. 13.
Terminals, Protecting hood for switch. L. R. Lewis. 1,841,192; Jan. 12.
Terracer, road grader and ditcher. C. W. Cundiff. 1,885,804; Nov. 1.
Terracing and ditching machine. H. Murphy. 1,869,271; July 26.
Terracing-ditching and grading machine. C. W. Cundiff and W. A. Steele. 1,879,115; Sept. 27.
Terrazo strip. H. L. Fink. 1,888,031; Nov. 15.
Terry woven fabric. J. L. Patterson. 1,846,751; Feb. 23.
Test indicator. C. B. Clarkson. 1,860,993; May 31.
Test rack. W. F. Meier. 1,855,135; Apr. 19.
Test rod. A. J. Whitcomb and O. C. Callow. 1,885,397; Nov. 1.
Test-scorer, Automatic. E. C. Finkenbinder. 1,833,775; Oct. 18.
Test set. C. A. Anderson. 1,868,960; July 26.

Test set. Lineman's. E. Dietze. 1,860,455; May 31.
Test sheets, Marking. G. D. Taylor. 1,860,909; May 31.
Test tube heating apparatus. L. Lamstein. 1,865,472; July 5.
Tester. T. and J. R. Ray. 1,865,047; June 28.
Tester for watt hour meters and the like. E. E. Hill. 1,857,593; May 10.
Testing and flexing machine. G. Sundback. 1,857,669; May 10.
Testing and recording the condition of clock setting circuits, System for. G. W. Janson and W. F. Callahan. 1,861,622; Oct. 11.
Testing apparatus. A. E. Colosoff. 1,888,906; Nov. 22.
Testing apparatus. H. L. Hartzell. 1,873,121; Aug. 23.
Testing apparatus. G. L. Hise. 1,847,185; Mar. 1.
Testing apparatus. S. N. Senna. 1,878,446; Sept. 20.
Testing apparatus. J. Wicks. 1,859,905; May 24.
Testing apparatus. L. T. Wilson. 1,856,202; May 3.
Testing apparatus and method. D. M. McBean. 1,890,063; Dec. 6.
Testing apparatus for motor vehicles. W. H. Welch. 1,846,170; Feb. 23.
Testing apparatus for motor vehicles. W. H. Welch. 1,866,738; July 12.
Testing arrangement for automatic or semiautomatic telephone systems. G. Deakin and L. Polinkowsky. 1,854,456; Apr. 19.
Testing coating materials, Method of and apparatus for. W. H. Eastlake. 1,880,917; Oct. 4.
Testing device. O. E. J. Abrahamsson. 1,874,842; Aug. 30.
Testing device. L. G. Crowe. 1,861,141; Dec. 13.
Testing device. A. M. Curtis. 1,869,884; Aug. 2.
Testing device. H. C. and J. A. Drain, jr. 1,851,818; Mar. 29.
Testing device. W. J. Giryotas. 1,844,153; Feb. 9.
Testing device. W. E. Haupt. 1,858,446; May 17.
Testing device. J. Lindman. 1,887,444; Nov. 8.
Testing device. R. Stern. 1,878,610; Sept. 20.
Testing device. E. G. Thomas. Re18,421; Apr. 12.
Testing device. G. Thomas. 1,869,395; Aug. 2.
Testing device for steering mechanism. P. E. Matthews. 1,847,126; Mar. 1.
Testing device, telephone exchange systems. G. C. Hartley. 1,881,544; Oct. 11.
Testing devices, Attachment for. S. Freeman. 1,850,750; Mar. 22.
Testing equipment. H. C. Robinson. 1,853,639; Apr. 12.
Testing equipment. J. Wicks. 1,842,811; Jan. 26.
Testing machine. W. A. Bohne. 1,864,413 June 21.
Testing machine. E. W. Marlin. 1,850,118; Jan. 5.
Testing machine. W. C. Moran. 1,885,855; Nov. 1.
Testing machine. F. J. Riker. 1,840,131; Jan. 5.
Testing machine. D. C. Scott. 1,878,191-2; Sept. 20.
Testing machine. D. C. Scott and H. A. Valentine. 1,878,193; Sept. 20.
Testing machine. M. Spindel. 1,887,527; Nov. 15.
Testing machine. R. L. Templin. 1,872,047; Aug. 16.
Testing machine. G. A. Williams and F. T. Eales. 1,871,935; Aug. 16.
Testing machine, Universal. A. J. Amsler. 1,865,070; June 28.
Testing means. F. W. W. Highfield. 1,841,892; Jan. 19.
Testing screen. W. S. Weston. 1,863,291; June 14.
Testing system. W. H. Bradshaw and A. R. Rutter. 1,853,657; Apr. 12.
Testing system. P. G. Edwards. 1,882,125; Oct. 11.
Testing system. P. G. Edwards. 1,859,824; Dec. 6.
Testing system. R. F. Massonneau. 1,867,368; July 12.
Testing the effect of weather upon objects, Apparatus for. C. W. Jameson. 1,870,512; Aug. 9.
Testing vacuum tubes. W. N. Goodwin, jr. Re18,641; Nov. 1.
Tetrahedrons, Casting. D. F. Sheldon. 1,875,668; Sept. 6.
Tetranitrodiphenyl, Preparation of. E. H. Huntress. 1,870,627; Aug. 9.
Textile containing alkyl ethers of cellulose and making same. R. Haller and A. Heckendorn. 1,879,742; Sept. 27.
Textile fabric. J. Aemisegger. Des. 87,951; Oct. 18.
Textile fabric. J. Aemisegger. Des. 87,991–3; Oct. 18.
Textile fabric. J. Bird. 1,847,877; Jan. 19.
Textile fabric. J. Black. Des. 87,193–4; June 21.
Textile fabric. W. A. Dickie and W. I. Taylor. 1,848,560; Mar. 8.
Textile fabric. E. Freedman, A. Jaekli and E. J. Gnaegi. 1,883,678; Oct. 18.
Textile fabric. H. Gentile. Des. 88,643; Dec. 13.
Textile fabric. R. George. Des. 87,994; Oct. 18.
Textile fabric. R. George. Des. 88,079–80; Oct. 25.
Textile fabric. R. George. Des. 88,527–30; Dec. 6.
Textile fabric. R. George. Des. 88,644–5; Dec. 13.
Textile fabric. R. George. Des. 88,767; Dec. 27.
Textile fabric. R. George. Des. 88,841; Dec. 6.
Textile fabric. L. Goldstein. Des. 88,725; Dec. 20.
Textile fabric. M. Guhl. Des. 88,536–7; Dec. 6.
Textile fabric. L. E. Hiler. Des. 86,228; Feb. 16.
Textile fabric. L. E. Hiler. Des. 86,229–30; Feb. 16.
Textile fabric. L. E. Hiler. Des. 86,311–12; Feb. 23.
Textile fabric. Lewis E. Hiler. Des. 86,568–9; Mar. 22.
Textile fabric. M. C. Jealous. Des. 87,469; Aug. 2.
Textile fabric. M. U. Juestrich. Des. 87,995–6; Oct. 18.
Textile fabric. M. U. Juestrich. Des. 88,086–94; Oct. 25.
Textile fabric. M. U. Juestrich. Des. 88,794–6; Dec. 27.
Textile fabric. J. Lukas. Des. 88,660; Dec. 13.
Textile fabric. G. Megroz. Des. 88,308–9; Nov. 15.
Textile fabric. W. Mendel. 1,860,314; May 24.
Textile fabric. P. Mouton. Des. 87,973; Oct. 18.
Textile fabric. P. Mouton. Des. 88,000; Oct. 18.
Textile fabric. P. Mouton. Des. 88,430–1; Nov. 29.
Textile fabric. G. H. Perkins. Des. 86,054; Jan. 19.
Textile fabric. G. H. Perkins. Des. 86,536; Mar. 15.
Textile fabric. G. H. Perkins. Des. 86,972; May 17.
Textile fabric. G. H. Perkins. Des. 87,756; Sept. 13.
Textile fabric. G. H. Perkins. Des. 87,793; Sept. 20.
Textile fabric. G. M. Pulitzer. Des. 88,570; Dec. 6.
Textile fabric. A. R. Richtmyer. Des. 87,409; July 19.
Textile fabric. W. D. Roberson. Des. 88,571–2; Dec. 6.
Textile fabric. W. D. Roberson. Des. 88,673; Dec. 13.
Textile fabric. A. Rosenstein. Des. 87,888–9; Oct. 4.
Textile fabric. J. Schweiker. Des. 88,579–80; Dec. 6.
Textile fabric. M. M. Stone. Des. 87,763; Sept. 13.
Textile fabric. T. W. Tansley. Des. 88,115; Oct. 25.
Textile fabric. P. A. Vogelman. Des. 88,491; Nov. 29.
Textile fabric. P. A. Vogelman. Des. 88,611; Dec. 6.
Textile fabric. P. A. Vogelman. Des. 88,696–7; Dec. 13.
Textile fabric and forming it. A. E. Meyer. 1,867,019; July 12.
Textile fabric and making same. C. Lipper. 1,845,718; Feb. 16.
Textile fabric and method of manufacture. L. M. Cotchett. 1,874,084; Aug. 30.
Textile fabric, Embroidered. H. Tobler. Des. 86,548–9; Mar. 15.
Textile fabric for upholstery or the like. E. F. Leonhardt. Des. 86,782–9; Apr. 19.
Textile fabric or a similar article, Embroidered. E. W. Freudenberg. Des. 87,568; Aug. 16.
Textile fabric or a similar article, Embroidered. E. W. Freudenberg. Des. 88,347–9; Nov. 22.
Textile fabric or a similar article, Embroidered. E. W. Freudenberg. Des. 88,372; Nov. 22.
Textile fabric or a similar article, Embroidered. E. W. Freudenberg. Des. 88,407; Nov. 29.
Textile fabric or similar article. F. W. Bader. Des. 86,006–7; Jan. 19.
Textile fabric or similar article. F. Bridier. Des. 88,623–6; Dec. 13.
Textile fabric or similar article. F. Bridier. Des. 88,729–30; Dec. 20.
Textile fabric or similar article. F. Bridier. Des. 88,749; Dec. 27.
Textile fabric or similar article. E. L. Brown. Des. 88,395–6; Nov. 29.
Textile fabric or similar article. M. Brodsky. Des. 88,750–2; Dec. 27.
Textile fabric or similar article. M. Christen. Des. 88,397; Nov. 29.
Textile fabric or similar article. E. Déchery. Des. 87,639–41; May 24.
Textile fabric or similar article. G. F. Dunican. Des. 86,831; Apr. 26.
Textile fabric or similar article. G. M. Fauser. Des. 86,015; Jan. 19.
Textile fabric or similar article. J. M. Gottesman. Des. 88,705–7; Dec. 27.
Textile fabric or similar article. J. M. Gottesman. Des. 88,707; Dec. 20.
Textile fabric or similar article. A. Grulich. Des. 88,646–7; Dec. 13.
Textile fabric or similar article. C. R. Hellman. Des. 88,458–19; Nov. 29.
Textile fabric or similar article. C. R. Hellman. Des. 88,464–7; Nov. 29.
Textile fabric or similar article. C. R. Hellman. Des. 88,548–52; Dec. 6.
Textile fabric or similar article. C. R. Hellman. Des. 88,652; Dec. 13.
Textile fabric or similar article. C. R. Hellman. Des. 88,791; Dec. 27.
Textile fabric or similar article. H. Katzman. Des. 88,525–5; Nov. 1.
Textile fabric or similar article. H. Katzman. Des. 88,207–8; Nov. 1.
Textile fabric or similar article. H. Katzman. Des. 88,231; Nov. 8.
Textile fabric or similar article. H. Katzman. Des. 88,553; Dec. 6.
Textile fabric or similar article. A. W. Kohut. Des. 88,421; Nov. 29.
Textile fabric or similar article. A. W. Kohut. Des. 88,470; Nov. 29.
Textile fabric or similar article. W. R. Kaufmann. Des. 88,798; Dec. 27.
Textile fabric or similar article. A. Kohut. Des. 88,559–60; Dec. 6.
Textile fabric or similar article. A. Kohut. Des. 88,639–6; Dec. 13.
Textile fabric or similar article. P. Lesser. Des. 88,159–60; Nov. 1.
Textile fabric or similar article. J. Lukas. Des. 88,563; Dec. 6.
Textile fabric or similar article. J. J. Maibach. Des. 88,806; Dec. 27.
Textile fabric or similar article. H. S. Murray. Des. 88,314–18; Nov. 15.
Textile fabric or similar article. H. S. Murray. Des. 88,385–7; Nov. 22.

Textile fabric or similar article. H. S. Murray. Des. 88,432–4; Nov. 29.
Textile fabric or similar article. H. S. Murray. Des. 88,668; Dec. 13.
Textile fabric or similar article. E. M. Orkin. Des. 88,169–71; Nov. 1.
Textile fabric or similar article. J. Overmeyer. Des. 88,435; Nov. 29.
Textile fabric or similar article. J. Overmeyer. Des. 88,479; Nov. 29.
Textile fabric or similar article. J. Overmeyer. Des. 88,717; Dec. 20.
Textile fabric or similar article. P. Reiman. Des. 88,319; Nov. 15.
Textile fabric or similar article. P. Reiman. Des. 88,255–4; Dec. 27.
Textile fabric or similar article. W. D. Roberson. Des. 88,718; Dec. 20.
Textile fabric or similar article. F. Rosenberg. Des. 88,320–2; Nov. 15.
Textile fabric or similar article. F. J. Schaetzel. Des. 88,388; Nov. 22.
Textile fabric or similar article. J. Schweizer. Des. 88,575; Dec. 6.
Textile fabric or similar article. J. Schweizer. Des. 88,578; Dec. 6.
Textile fabric or similar article. J. Schweizer. Des. 88,678; Dec. 13.
Textile fabric or similar article. J. Schweizer. Des. 88,830; Dec. 27.
Textile fabric or similar article. J. Schweizer. Des. 88,679; Dec. 13.
Textile fabric or the like. J. Schweizer. Des. 88,831; Dec. 27.
Textile fabric or similar article. F. Shara. Des. 88,584; Dec. 6.
Textile fabric or similar article. P. A. Vogelman. Des. 88,118–20; Oct. 29.
Textile fabric or similar article. P. A. Vogelman. Des. 88,695; Dec. 13.
Textile fabric or similar article. W. Wilhelm. Des. 88,004–63; Oct. 18.
Textile fabric or similar article. W. Wilhelm. Des. 88,128–36; Oct. 25.
Textile fabric or similar article. W. Wilhelm. Des. 88,186–204; Nov. 1.
Textile fabric or similar article. W. Wilhelm. Des. 88,210–19; Nov. 8.
Textile fabric or similar article. W. Wilhelm. Des. 88,276–80; Nov. 8.
Textile fabric or similar article. W. Wilhelm. Des. 88,332–4; Nov. 15.
Textile fabric or similar article. W. Wilhelm. Des. 88,370; Nov. 22.
Textile fabric or similar article. W. Wilhelm. Des. 88,391–2; Nov. 22.
Textile fabric or similar article. W. Wilhelm. Des. 88,445–50; Nov. 29.
Textile fabric or similar article. W. Wilhelm. Des. 88,595–610; Dec. 6.
Textile fabric or similar article. W. Wilhelm. Des. 88,699–700; Dec. 13.
Textile fabric or similar article. W. Wilhelm. Des. 88,721–2; Dec. 20.
Textile fabric or similar article. W. Wilhelm. Des. 88,837–43; Dec. 27.
Textile fabric or similar article, Embroidered. E. W. Freudenberg. Des. 86,016; Jan. 19.
Textile fabric or similar article, Embroidered. J. Hartmann. Des. 87,573; Aug. 16.
Textile fabric or similar article, Embroidered. F. H. M. Pohl. Des. 87,794; Sept. 20.
Textile fabric or similar article of manufacture. A. J. Heinke. Des. 88,456–63; Nov. 29.
Textile fabric or similar article of manufacture. A. J. Heinke. Des. 88,545–7; Dec. 6.
Textile fabric or similar article of manufacture. A. J. Heinke. Des. 88,783; Dec. 27.
Textile fabric or similar article of manufacture. F. Johnson. Des. 88,469; Nov. 29.
Textile fabric or similar article of manufacture. F. Johnson. Des. 88,555; Dec. 6.
Textile fabric or similar article of manufacture. J. Maisch. Des. 88,424; Nov. 29.
Textile fabric or the like. D. Carmichael. Des. 88,629; Dec. 13.
Textile fabric or the like. H. Cruger. Des. 88,630–5; Dec. 13.
Textile fabric or the like. H. Cruger. Des. 88,731; Dec. 20.
Textile fabric or the like. H. Cruger. Des. 88,757–9; Dec. 27.
Textile fabric or the like. S. Cusson. Des. 88,502; Dec. 6.
Textile fabric or the like. L. Derriey. Des. 88,505; Dec. 6.
Textile fabric or the like. L. Derriey. Des. 88,705; Dec. 20.
Textile fabric or the like. L. Derriey. Des. 88,760; Dec. 27.
Textile fabric or the like. A. Flory. Des. 88,515; Dec. 6.
Textile fabric or the like. R. W. Frambach. Des. 88,516–20; Dec. 6.
Textile fabric or the like. R. W. Frambach. Des. 88,640–1; Dec. 13.
Textile fabric or the like. R. W. Frambach. Des. 88,764–5; Dec. 27.
Textile fabric or the like. N. Garfinkl. Des. 88,454; Nov. 29.
Textile fabric or the like. H. Greene. Des. 88,779; Dec. 27.
Textile fabric or the like. A. J. Heinke. Des. 88,542–4; Dec. 6.
Textile fabric or the like. A. J. Heinke. Des. 88,648–51; Dec. 13.
Textile fabric or the like. A. J. Heinke. Des. 88,710–11; Dec. 20.
Textile fabric or the like. A. J. Heinke. Des. 88,784–90; Dec. 27.
Textile fabric or the like. W. R. Kaufmann. Des. 88,557; Dec. 6.
Textile fabric or the like. W. R. Kaufmann. Des. 88,797; Dec. 27.
Textile fabric or the like. P. Lesser. Des. 88,657–8; Dec. 13.
Textile fabric or the like. E. Littman. Des. 88,562; Dec. 6.
Textile fabric or the like. J. Lukas. Des. 88,162–4; Nov. 1.
Textile fabric or the like. J. Lukas. Des. 88,236–42; Nov. 8.
Textile fabric or the like. J. Lukas. Des. 88,304; Nov. 15.
Textile fabric or the like. J. Lukas. Des. 88,357–8; Nov. 22.
Textile fabric or the like. J. Lukas. Des. 88,373–9; Nov. 22.
Textile fabric or the like. J. Lukas. Des. 88,564–5; Dec. 6.
Textile fabric or the like. J. Lukas. Des. 88,803; Dec. 27.
Textile fabric or the like. J. Maisch. Des. 88,661; Dec. 13.
Textile fabric or the like. J. Maisch. Des. 88,807–9; Dec. 27.
Textile fabric or the like. N. Martinoff. Des. 88,361; Nov. 22.
Textile fabric or the like. N. Martinoff. Des. 88,381–4; Nov. 22.
Textile fabric or the like. N. Martinoff. Des. 88,425–7; Nov. 29.
Textile fabric or the like. N. Martinoff. Des. 88,471–5; Nov. 29.
Textile fabric or the like. R. Megroz. Des. 88,165; Nov. 1.
Textile fabric or the like. G. Megroz. Des. 88,244–8; Nov. 8.
Textile fabric or the like. G. Megroz. Des. 88,306–7; Nov. 15.
Textile fabric or the like. G. Megroz. Des. 88,363–4; Nov. 22.
Textile fabric or the like. G. Megroz. Des. 88,665; Dec. 13.
Textile fabric or the like. G. Megroz. Des. 88,715; Dec. 20.
Textile fabric or the like. G. Megroz. Des. 88,811–14; Dec. 27.
Textile fabric or the like. E. Merry. Des. 88,249–50; Nov. 8.
Textile fabric or the like. E. Merry. Des. 88,310–11; Nov. 15.
Textile fabric or the like. E. Merry. Des. 88,476–7; Nov. 29.
Textile fabric or the like. G. Morris. Des. 88,738; Dec. 20.
Textile fabric or the like. H. J. Nerger. Des. 88,815–17; Dec. 27.
Textile fabric or the like. S. Pate. Des. 88,254; Nov. 8.
Textile fabric or the like. S. Pate. Des. 88,436; Nov. 29.
Textile fabric or the like. P. Reiman. Des. 88,480; Nov. 29.
Textile fabric or the like. W. D. Roberson. Des. 88,672; Dec. 13.
Textile fabric or the like. W. D. Roberson. Des. 88,826; Dec. 27.
Textile fabric or the like. L. Rubinger. Des. 88,481–6; Nov. 29.
Textile fabric or the like. L. Rubinger. Des. 88,573; Dec. 6.
Textile fabric or the like. C. Sandelin. Des. 88,674; Dec. 13.
Textile fabric or the like. F. J. Schaetzel. Des. 88,574; Dec. 6.
Textile fabric or the like. R. Schey. Des. 88,259–60; Nov. 8.
Textile fabric or the like. R. Schey. Des. 88,487; Nov. 29.
Textile fabric or the like. R. Schey. Des. 88,740; Dec. 20.
Textile fabric or the like. R. Schey. Des. 88,828; Dec. 27.
Textile fabric or the like. J. Schweizer. Des. 88,488; Nov. 29.
Textile fabric or the like. J. Schweizer. Des. 88,576–7; Dec. 6.
Textile fabric or the like. J. Schweizer. Des. 88,680–2; Dec. 13.

Textile fabric or the like. M. B. Singer. Des. 88,489–90; Nov. 29.
Textile fabric or the like. A. Thompson. Des. 88,178; Nov. 1.
Textile fabric or the like. J. Villani. Des. 88,692–3; Dec. 13.
Textile fabric or the like. G. Virgile. Des. 88,694; Dec. 13.
Textile fabric or the like. E. Wax. Des. 88,274; Nov. 8.
Textile fabric or the like. E. Wax. Des. 88,328; Nov. 15.
Textile fabric or the like. E. Wax. Des. 88,444; Nov. 29.
Textile fabric or the like. E. Wax. Des. 88,492; Nov. 29.
Textile fabric or the like. I. A. Weitz. Des. 88,181–3; Nov. 1.
Textile fabric or the like. I. A. Weitz. Des. 88,275; Nov. 8.
Textile fabric or the like. I. A. Weitz. Des. 88,329; Nov. 15.
Textile fabric or the like. I. A. Weitz. Des. 88,338–9; Nov. 15.
Textile fabric or the like. I. A. Weitz. Des. 88,390; Nov. 22.
Textile fabric or the like. I. A. Weitz. Des. 88,445–6; Nov. 29.
Textile fabric or the like. I. A. Weitz. Des. 88,593; Dec. 6.
Textile fabric or the like. I. A. Weitz. Des. 88,698; Dec. 13.
Textile fabric or the like. E. Wintrich. Des. 88,701–3; Dec. 13.
Textile fabrics, Apparatus for dyeing. J. A. Firsching. 1,872,717; Aug. 23.
Textile fabrics, Treating. W. S. Rowley. 1,854,526; Apr. 19.
Textile fibers, Treatment of. J. Wolfson and D. L. Potter. 1,864,110; June 21.
Textile machine. F. Wilkinson. 1,876,376; Sept. 6.
Textile material and making same. H. Platt. 1,861,026; May 31.
Textile material containing cellulose derivatives and product thereof, Treating. C. Dreyfus. 1,871,047; Aug. 9.
Textile material, Delustering of. C. Dreyfus, G. W. Miles and H. Platt. 1,870,407; Aug. 9.
Textile material, Loading. R. Clavel. 1,876,615; Sept. 13.
Textile material, Weighting. H. W. Stiegler. 1,858,379; May 17.
Textile materials and preparing the same. C. Dreyfus and W. Whitehead. 1,872,913; Aug. 23.
Textile materials, Apparatus for treating. C. De Witte. 1,857,839; May 10.
Textile materials, Coloring of. C. Dreyfus, G. W. Miles, and H. Platt. 1,870,408; Aug. 9.
Textile materials, Dyeing. A. J. Belopopytoff. 1,853,654; Apr. 12.
Textile materials, Process and apparatus for manipulating. C. D. Walton and F. T. Small. 1,871,100; Aug. 9.
Textile materials, Process and apparatus for treating. T. D. Aiello. 1,876,513; July 20.
Textile or other material, Manufacture or treatment of. G. H. Ellis and H. C. Olpin. 1,890,643; Dec. 13.
Textile printing machine. J. H. Andresen. 1,841,356; Jan. 19.
Textile printing machine and friction driven roller for use therein. A. F. Shaw, jr., and P. Jaswell. 1,855,731; Apr. 26.
Textile process and product. C. Dreyfus and W. Whitehead. 1,853,349; Oct. 18.
Textile processing machine. J. H. Skitt. 1,844,907–8; Feb. 9.
Textile products, Device for the wet treatment of. A. Haggenmacher. 1,889,048; Nov. 29.
Textile products, Manufacture or treatment of. W. A. Dickie. 1,871,046; Aug. 9.
Textile products, Production of. W. I. Taylor. 1,883,424; Oct. 18.
Textile tapes or slivers, Mechanisms for joining and drawing. F. Casablancas. 1,854,690; Apr. 19.
Textile treating process and composition. H. C. Gore, S. Jozsa, and C. N. Frey. 1,859,084; May 17.
Textile web dyeing process. J. C. Senior. 1,871,920; Aug. 16.
Textile webs, Process and apparatus for coloring. F. W. Clark. 1,846,845; Feb. 23.
Textile winding machine. O. F. Kiehn. 1,866,471; July 5.
Textiles, Manufacture of artificial. H. Meyer and W. Epling. 1,877,053; Sept. 13.
Textiles, Production of effects on. A. Schneevoigt and A. Nowak. 1,871,087; Aug. 9.
Textiles, Treatment of. G. H. Ellis. 1,867,660; July 19.
Thallium, Recovering. S. Hughes and R. Teats. 1,869,214; July 26.
Theater. A. J. Moulton. 1,868,068; July 19.
Theater chair. W. M. Hanson. 1,887,240; Nov. 8.
Theater chair. M. Israel. 1,841,035; Jan. 12.
Theater chair light. C. A. Irminger. 1,879,273; Sept. 27.
Theatre, Miniature. T. H. Simmons. 1,874,819; Aug. 30.
Theatrical make-up box. C. Rich. 1,847,572; Mar. 1.
Theft preventing signal, Automobile. F. St. George and F. W. Cross. 1,861,101; May 31.
Theft prevention device, Automatic. W. J. Samuel. 1,874,812; Aug. 30.
Theobromine, Obtaining. H. Schreiber. 1,851,872; Mar. 29.
Therapeutic agent. A. L. Omohundro. 1,890,860; Dec. 13.
Therapeutic agents, Administration of. A. L. Stocklin. 1,869,443; Aug. 2.
Therapeutic and other purposes, Apparatus for. W. L. Martin. 1,858,714; May 17.
Therapeutic apparatus. C. E. Miller. 1,854,713; Apr. 19.
Therapeutic device. H. Gross. 1,874,286; Aug. 30.
Therapeutic device, Radiant. W. O. Prouty. Des. 87,406; July 19.
Therapeutic light. W. O. Prouty. Des. 86,331; Feb. 23.
Therapeutic light, Hand supported. W. O. Prouty. Des. 87,407; July 19.
Thermal control of cooling. R. V. Hutchinson and C. L. McCuen. 1,849,008; Mar. 8.
Thermal cut-out. J. M. Fried. 1,842,091; Jan. 19.
Thermal method of treating metallic bodies. A. V. de Forest. 1,869,336; July 26.
Thermal pad for cots. H. W. Edwards. 1,851,499; Mar. 29.
Thermal protective system. E. O. Schweitzer. 1,877,990; Sept. 20.
Thermal relay. T. T. Greenwood. 1,866,032; July 5.
Thermal switch. B. F. Runyon. 1,867,380; July 12.
Thermal system, Supervising. E. A. Lowe and J. R. Hamilton. 1,845,688; Feb. 2.
Thermally operated device. O. J. Leins and C. Wantz. 1,878,938; Sept. 20.
Thermic interrupter or for electrical current. R. F. Zimmermann. 1,864,395; June 21.
Thermionic device. J. E. Foster. 1,864,591; June 28.
Thermionic device. N. Rasbersky. 1,840,130; Jan. 5.
Thermionic system. J. S. Foster. 1,878,124; Sept. 20.
Thermionic tube. L. A. Gebhard. 1,874,182; Aug. 30.
Thermionic tube. T. R. Goldsborough. 1,872,274; Aug. 16.
Thermionic tube. A. Knabner and J. Richter. 1,879,321; Sept. 27.
Thermionic tube. F. S. McCullough. 1,845,310; Feb. 16.
Thermionic tube. F. S. McCullough. 1,889,449; Nov. 29.
Thermionic tube. F. S. McCullough. 1,892,066; Dec. 27.
Thermionic tube. O. T. McIlvaine. 1,853,914; Apr. 12.
Thermionic tube. H. W. Parker. 1,881,910; Oct. 11.
Thermionic tube. H. J. Round. 1,889,105–6; Nov. 29.
Thermionic tube connecting means. W. L. Krahl. 1,857,646; May 10.
Thermionic tube, Screened. C. S. Franklin. 1,867,311; July 12.
Thermionic tubes, Energizing. W. V. B. Roberts. 1,882,920; Oct. 18.
Thermoaerostat. J. Blondin. 1,866,079; July 5.
Thermobox. W. F. Vanderwall. 1,859,119; May 17.
Thermochest, Baby's. R. M. Thomas. 1,860,302; May 24.
Thermocouple. O. Heumann. 1,845,271; Feb. 16.
Thermocouple. E. Herzog and H. L. Watson. 1,849,832; Mar. 15.
Thermocouple and its electrical connection. F. F. Uehling. 1,887,827; Nov. 15.
Thermocouple pocket. L. B. West. 1,869,788; Aug. 2.
Thermocouple well. J. J. Beshara. 1,847,059; Feb. 23.
Thermodynamic process. B. C. von Platen. 1,848,918; Mar. 8.
Thermo-electric motor. G. P. Lewis and R. E. Sabin. 1,859,099; May 17.
Thermoelectric switch. R. De Franceschi. 1,880,867; Oct. 4.
Thermographic printing device. R. C. Swink. 1,866,867; July 12.
Thermo lunch box. D. Brown. 1,874,882; Aug. 30.
Thermometer. W. H. Bend. 1,876,592; Sept. 13.
Thermometer. H. H. Boyce. 1,860,986; May 31.
Thermometer. H. B. Brown. 1,851,083; Mar. 29.
Thermometer. A. Burzer. 1,845,124; Feb. 16.
Thermometer. C. F. Chapman. 1,883,554; Oct. 18.
Thermometer. H. Y. Norwood. 1,845,325; Feb. 16.
Thermometer. C. R. Palmer and C. P. Mitchell. 1,875,757; Sept. 6.
Thermometer. E. M. Phelps. 1,868,911; July 26.
Thermometer. A. D. Rose. 1,875,889; Sept. 6.
Thermometer. C. S. Rucksthuhl. 1,861,164; May 31.
Thermometer. G. A. Shamberger. 1,867,990; July 19.
Thermometer, Chemical. Y. Tsutsumi. 1,861,944; June 7.
Thermometer, Clinical. L. E. Greiner. 1,883,717; Oct. 18.
Thermometer, Cooking utensil. W. S. Bremer. 1,863,918; June 21.
Thermometer, Electrical. J. W. Allen. 1,865,999; July 5.
Thermometer, Medical. M. Philipsen. 1,858,718; May 17.
Thermometer shakers and holders. L. Bell. 1,839,944; Jan. 5.
Thermometer unit, Duplex. A. Noble. 1,841,908; Jan. 19.
Thermometer, Windshield. W. H. MacCollum. 1,859,928; May 24.
Thermomotive device. A. H. Sanborn. 1,854,809–10; Apr. 19.
Thermophoric mixture. T. P. Bell. 1,887,618; Nov. 15.
Thermophoric mixture and making the same. T. P. Bell. 1,850,166; Mar. 22.
Thermoplastic material. Coloring. J. F. Walsh and W. Bowker. 1,845,457; Feb. 16.
Thermoplastic products, Producing. H. M. Bunbury. 1,873,542; Aug. 23.
Thermoplastic sheets, Preparation of. L. H. Backeland. 1,842,647; Jan. 26.

Thermoresponsive apparatus. J. D. Wood. 1,872,208; Aug. 16.
Thermoresponsive device. G. W. O'Keeffe. 1,886,355; Nov. 1.
Thermostat. V. Bush. 1,870,235; Aug. 9.
Thermostat. H. D. Colman. 1,875,369; Sept. 6.
Thermostat. J. W. Conklin. 1,874,909; Aug. 30.
Thermostat. A. A. Dicke. 1,854,786; Apr. 19.
Thermostat. A. A. Dicke. 1,866,543; July 12.
Thermostat. J. H. Grayson. 1,851,277; Mar. 29.
Thermostat. E. E. Grezory. 1,845,995; Feb. 16.
Thermostat. W. G. Hartwig. 1,851,947; Oct. 11.
Thermostat. L. A. Hyland. 1,877,131; Sept. 13.
Thermostat. F. Kuhn and L. H. Thomas. 1,889,252; Nov. 29.
Thermostat. F. K. Landgraf. 1,883,978; Oct. 25.
Thermostat. W. Noble. 1,850,241; Mar. 22.
Thermostat. A. L. Patton. 1,851,919; Oct. 11.
Thermostat. J. M. Persons. 1,874,117; Aug. 30.
Thermostat. F. W. Robertshaw. Re18,230; Jan. 12.
Thermostat. J. A. Spencer. 1,865,219; June 28.
Thermostat. J. A. Spencer. 1,883,249; Oct. 18.
Thermostat. J. A. Spencer. 1,883,252; Oct. 18.
Thermostat. J. A. Spencer and V. Bush. 1,883,215; Oct. 18.
Thermostat. A. A. Thomas. 1,856,600; May 3.
Thermostat. A. M. Trogner. 1,877,371; Sept. 13.
Thermostat. S. P. Warren. 1,874,250; Aug. 30.
Thermostat and hygrostat instrument, Combined. F. J. Pease. 1,866,721; July 12.
Thermostatic apparatus. J. Picard, and A. Tournadre. 1,846,752; Feb. 23.
Thermostat assembly. R. W. Johnson. 1,881,638; Oct. 11.
Thermostat, Bimetallic. W. Cohn-Byk and A. von Pap. 1,864,483; June 21.
Thermostat, Clock. A. G. McNicoll. Des. 86,681; Apr. 5.
Thermostat construction. L. M. Payne. 1,849,152; Mar. 15.
Thermostat device. H. C. Roth. 1,867,893; July 19.
Thermostat device. M. H. Ward. 1,844,488; Feb. 9.
Thermostat, Electric. A. A. Thomas. 1,839,935; Jan. 5.
Thermostat for radiators, Adjustable. A. J. Hartfield. 1,889,833; Dec. 6.
Thermostat mechanism. S. J. Lonergan. 1,845,027; Feb. 16.
Thermostat mechanism. W. R. Zimmerman. 1,854,362; Apr. 19.
Thermostat, Room. A. Penn. 1,867,756; July 19.
Thermostat, Stack. P. F. Shivers. 1,847,035; Feb. 23.
Thermostat, Stack. P. F. Shivers. 1,847,038; Feb. 23.
Thermostat switch and plug construction. H. L. Ellis. 1,860,999; May 31.
Thermostatic control. H. Hertzberg. 1,850,206; Mar. 22.
Thermostatic control. C. F. Johnson. 1,870,253; Aug. 9.
Thermostatic control. J. M. Larson. 1,847,880; Mar. 1.
Thermostatic control. G. W. McKee. 1,884,794; Oct. 25.
Thermostatic control. L. D. Weill. 1,861,288; May 31.
Thermostatic control apparatus. D. Mazzie. 1,864,455; June 21.
Thermostatic control device for carburetors. C. A. Martin and W. Orth. 1,841,749; Jan. 19.
Thermostatic control device for oil coolers. K. E. Lyman. 1,881,797; Oct. 11.
Thermostatic control for burners. A. J. Hartfield and M. Koehler. 1,857,504; May 10.
Thermostatic control for rolling mills. F. S. Swaney. 1,888,098; Nov. 15.
Thermostatic control for water heaters. O. J. Kay. 1,844,320; Feb. 9.
Thermostatic cut-out. C. J. Werner. 1,873,231; Aug. 23.
Thermostatic dashpot. J. Boyer, H. E. Candler, and S. Backus. 1,883,514; Oct. 18.
Thermostatic device. E. K. Clark. 1,851,564; Mar. 29.
Thermostatic device and making the same. J. A. Spencer. 1,852,543; Apr. 5.
Thermostatic element. A. O. Hurxthal. 1,957,025; May 2.
Thermostatic element. P. M. Lincoln. 1,890,909; Dec. 13.
Thermostatic mixing means. M. E. Cartier. 1,869,663; Aug. 2.
Thermostatic motor. W. Noble. 1,881,884; Oct. 11.
Thermostatic switch. A. O. Appelberg. 1,851,657; Mar. 29.
Thermostatic switch. A. F. Brotz. 1,853,957; Apr. 12.
Thermostatic switch. E. K. Clark. 1,873,544; Aug. 23.
Thermostatic switch. G. Herbster. 871,369; Aug. 9.
Thermostatic switch. D. C. Ireo. 1,845,278; Feb. 16.
Thermostatic switch. I. W. Knight. 1,852,812; Apr. 5.
Thermostatic switch. J. G. Moyen, L. G. Maechtlen, and H. A. Null. 1,852,468; Apr. 5.
Thermostatic switch. L. A. M. Phelan. Re18,361; Feb. 23.
Thermostatic switch. W. W. Riedel. 1,859,985; May 24.
Thermostatic switch. A. Scherbius. 1,867,884; July 12.
Thermostatic switch. J. A. Spencer. 1,850,360; Mar. 22.
Thermostatic switch. J. A. Spencer. 1,883,046; Oct. 18.
Thermostatic switch. F. E. Wolcott and L. V. Lucia. 1,857,906; May 10.
Thermostatic trap. F. E. Schmidt. 1,886,500; Nov. 8.
Thermostatically controlled heating device. R. W. Brown. 1,858,660; May 17.
Thermostatically controlled mechanism. H. E. Ginther. 1,845,262; Feb. 16.
Thermostatically controlled switch. W. L. Lindgren. 1,873,436; Aug. 23.
Thermostatically controlled switch. C. L. Rayfield. 1,881,950; Oct. 11.
Thermounit, Renewable. J. O'Brien. 1,889,488; Nov. 29.
Thieving tube. F. J. Frank and F. J. Shock. 1,857,537; May 10.
Thimble. G. A. Carlson. 1,848,766; Mar. 8.
Thimble, Wire rope. J. F. Howe. 1,859,143; May 17.
Thin place detector. J. H. Pope and B. Morgan. 1,866,053; July 5.
Thiocyanates suitable for combating insect pests, Aromatic. C. Taube and H. Kükenthal. 1,841,458; Jan. 19.
Thiocyanates, Treating. C. J. Hansen. 1,878,982; Sept. 20.
Thiocyanates, Treating. C. J. Hansen. 1,885,035; Oct. 25.
Thiocyanogen compounds, Treating. C. J. Hansen. 1,853,679; Apr. 12.
Thionyl chloride. Production of. W. S. Beanblossom. 1,861,900; June 7.
Thirsea, Producing. R. V. Heuser. 1,889,959; Dec. 6.
Thrasher. C. D. Ellis. 1,844,750; Feb. 9.
Thrasher and cylinder grate therefor. J. E. Hill and G. W. Troutman. 1,844,901; Feb. 9.
Thrasher, Harvester. C. R. Raney and L. P. Millard. 1,859,219; May 17.
Thrasher-spreader, Combined. H. M. Gilson. 1,865,686; July 5.
Thrashers, Pick-up for harvester. B. M. Hyman. 1,850,458; Mar. 22.
Thrashing and separating device, Centrifugal. G. F. Nye. 1,884,152–3; Oct. 25.
Thrashing apparatus. W. J. McVicker. 1,869,072; July 26.
Thrashing machine. G. F. Nye. 1,884,151; Oct. 25.
Thrashing machine. G. Wetlaufer. 1,864,033; June 21.
Thrashing machine for tobacco. J. H. Austin. 1,879,016; Sept. 27.
Thrashing machines, Cylinder and concave for. F. J. Haba. 1,859,138; May 17.
Thrashing machines, Dust removing device. F. J. Hermann. 1,848,252; Mar. 8.
Thread and fabric, Sized therefrom, Elastic. F. L. Brigham. 1,868,690; July 26.
Thread and producing the same, Oil impregnated sewing. J. J. Goldner. Re18,259; Dec. 12.
Thread chaser. W. T. D. Campaigne. 1,857,493; May 10.
Thread clamp. J. Keys. 1,870,814; Aug. 9.
Thread core. C. K. Dunlap. 1,860,020; May 24.
Thread core for dyeing operations and making same. C. K. Dunlap. 1,862,259; June 7.
Thread, Covered elastic. N. A. Crimmins and W. F. Alden. 1,853,551; Apr. 12.
Thread cutter L. B. Bridges. 1,846,509; Feb. 23.
Thread cutting device. T. M. Lilleberg. 1,862,225; June 7.
Thread cutting machine, Embroidery. F. Buesser. 1,860,528; May 31.
Thread cutting mechanism. E. B. Allen. 1,867,129; July 12.
Thread feeding and spacing means. H. J. Hufford. 1,882,612; Oct. 11.
Thread finishing machines, Correctly setting relieved taps in. R. E. Flanders. 1,854,184; Apr. 19.
Thread gauge. J. Hartness. 1,875,726; Sept. 6.
Thread gauge. F. L. Whitman. 1,839,434; Jan. 5.
Thread gauging, Screw. J. Hartness. 1,874,517; Aug. 30.
Thread in package form, Treating fine filamentous. C. A. Hettinger. 1,859,037; May 17.
Thread making apparatus, Artificial silk. W. H. Furness. 1,839,212; Jan. 5.
Thread milling machine. E. J. Lees. 1,883,995; Oct. 25.
Thread printing apparatus. D. B. Bonner. 1,852,641; Apr. 5.
Thread rolling die. L. A. Frazer. 1,855,668; Apr. 26.
Thread, Sewing. I. Cohen. 1,854,292; Apr. 19.
Thread tensioning device. C. Hilscher. 1,874,011; Aug. 30.
Thread waxing device. A. F. Carlson. 1,841,010; Jan. 12.
Thread waxing device. A. Fiore and R. A. Ade. 1,879,153; Sept. 27.
Thread waxing device. E. R. Swanson. 1,856,198; May 3.
Threaded work, Apparatus for grinding. J. Bath. 1,842,650; Jan. 26.
Threading device. J. W. W. Holden. 1,863,717; June 21.
Threading device, Portable. H. M. Olmstead. 1,871,732; Aug. 16.
Threading die. L. W. Gates. 1,843,950; Feb. 9.
Threading machine. S. T. Goss. 1,843,976; Feb. 9.
Threading machine. E. W. Mikaelson. 1,851,367; Mar. 29.
Threading machine. E. W. Mikaelson. 1,857,251; May 10.
Threading machine. R. E. Vickerman. 1,855,810; Apr. 26.
Threading machine, Feeder for. E. M. Gale. 1,841,800; Jan. 19.
Threading machine, Portable power driven. J. F. Haas. 1,883,728; Oct. 18.
Threads and filaments and products therefrom, Manufacture and production of artificial. C. Diamond. 1,891,146; Dec. 13.

Threads, Apparatus for encircling. A. Green. 1,874,502; Aug. 30.
Threads, Apparatus for guiding. T. F. Banigan. 1,878,455; Sept. 20.
Threads, Apparatus for hardening the flanks of spindle and worm. F. Klopp. 1,887,098; Nov. 8.
Threads, Apparatus for the manufacture of artificial. W. H. Glover and G. D. Bond. 1,850,007; Mar. 15.
Threads, Apparatus for the manufacture of artificial. F. Melms. 1,877,002; Sept. 13.
Threads, Cutting dardelet. L. B. Bridges. 1,846,508; Feb. 23.
Threads, filaments and the like, Process and apparatus in and relating to the manufacture and production of artificial. E. A. Morton. 1,885,753; Nov. 1.
Threads in bond and storage proof, Making effect. E. Stocker. 1,867,035; July 12.
Threads, Increasing the luster of effect. O. Knecht and E. Stocker. 1,856,815; May 3.
Threads, Manufacture of artificial. L. Lilienfeld. 1,881,742; Oct. 11.
Threads, Method and apparatus for cutting off float. H. E. Katzenmyer. 1,859,094; May 17.
Threads of hair and like fibers, Apparatus for use in the production of. A. Green. 1,876,664; Sept. 15.
Threads, Preparation of effect. A. Rheiner. 1,861,320; May 31.
Threads, Production of artificial silk. J. Brandwood. 1,886,627; Feb. 23.
Three circuit foot switch. I. R. Danuff. 1,865,237; June 28.
Three-unit, three-element code and its application to submarine telegraphy. M. H. Woodward. 1,868,680; July 26.
Three-way bending iron. A. L. Stowell. 1,879,583; Sept. 27.
Threshing machine, Centrifugal. G. S. Messinger. 1,887,817; Nov. 15.
Threshold. E. D. Barringer. 1,840,879; Jan. 12.
Threshold. F. C. Garrison. Des. 86,952; May 17.
Threshold. F. Reese. 1,875,495; Sept. 6.
Threshold construction. C. W. Kelly. 1,881,661; Oct. 11.
Threshold, Metal. J. M. Olson and E. Nelson. 1,873,143; Aug. 23.
Throttle. N. T. McKee. 1,852,326; Apr. 5.
Throttle. N. T. McKee. 1,870,016; Aug. 2.
Throttle. G. F. Pipp. 1,863,608; June 14.
Throttle. W. W. Price and C. W. Ripsch. 1,877,197; Sept. 13.
Throttle actuator, Hydraulic. C. E. Furgason. 1,861,561; June 7.
Throttle and ignition control. G. Pirinoli. 1,849,992; Mar. 15.
Throttle and starter control mechanism. D. Collins. 1,862,006; June 7.
Throttle, Carburetor. F. W. Schaffner. 1,882,966; Oct. 18.
Throttle control. D. J. Dolan. 1,854,735; Apr. 19.
Throttle control. D. J. Dolan. 1,860,081; May 24.
Throttle control, Electropneumatic. R. M. Dilworth. 1,871,163; Aug. 9.
Throttle ignition switch. R. H. Tobener, jr. 1,881,251; Oct. 4.
Throttle lever. J. R. Graves. 1,843,153; Feb. 2.
Throttle operating means for locomotives. N. T. McKee. 1,854,752; Apr. 19.
Throttle valve operating means. A. Williams. 1,864,225; June 21.
Throw and mattress cover, Combination double. A. D. Swetzel. 1,867,425; July 12.
Throw eccentric mechanism, Variable. F. L. Davis, jr. 1,892,504; Dec. 27.
Thrust mechanism, Variable. I. B. Laskowitz. 1,872,758; Aug. 23.
Thumb tack, Concealed. W. J. Maloney. 1,857,158; May 10.
Thymol and menthone, Production of. R. Wotherspoon. 1,839,288; Jan. 5.
Thymol, Preparing. S. Skraup, K. K. Schöllkopf, and A. Serini. 1,886,311; Nov. 1.
Thymol, Production of. W. Schoeller, H. Jordan, and R. Clerc. 1,865,544; July 5.
Thymol (3-oxy-4-methyl-1-isopropyl-benzol), Preparing. K. Schöllkopf and A. Serini. 1,876,435; Sept. 6.
Ticker protecting means. A. D. Eitzen. 1,839,470; Jan. 5.
Ticker tape pullers, Device for synchronizing. D. F. Newman. 1,847,663; Mar. 1.
Ticker transmission, Automatic. G. S. Hiltz and W. F. Purcell. 1,845,875; Feb. 16.
Ticket and ticket cabinet. G. E. Judd. 1,881,649; Oct. 11.
Ticket delivery mechanism. L. Scher. 1,856,171; May 3.
Ticket dispenser. M. Macdonald. 1,889,258; Nov. 29.
Ticket, Folding pin. M. M. Keener. 1,877,133; Sept. 13.
Ticket handling apparatus. G. E. Judd. 1,881,650; Oct. 11.
Ticket issuing apparatus. C. W. A. Comley. 1,844,349; Feb. 9.
Ticket issuing machine. H. D. Black. 1,886,626–7; Nov. 8.
Ticket issuing machine. G. C. P. Chubb, W. E. Colmer, and A. R. Bannister. 1,891,468; Dec. 20.
Ticket issuing machine. A. J. Johnston. 1,858,049; May 10.
Ticket issuing machine. C. F. Webb. 1,886,769; Nov. 8.
Ticket, Pin. C. A. Flood. 1,839,543; Jan. 5.
Ticket-printing-and-delivering scale, Coin-controlled gravity-operated. S. A. Rhodes and G. F. Hochriem. 1,875,887; Sept. 6.
Ticket printing, issuing and recording machine. J. F. Ohmer and G. C. Coil. 1,875,119; Aug. 30.
Ticket printing, issuing, and recording machine. A. S. Wheelbarger and G. C. Coil. 1,858,813; May 17.
Ticket, Rider. S. Adler. 1,874,844; Aug. 30.
Tickets and apparatus for printing them. F. W. Laenchet. 1,855,764; Apr. 26.
Tickets, Packaging. P. P. Beyer. 1,848,764; Mar. 8.
Tidal motor. A. T. Schiller. 1,885,866; Nov. 1.
Tide motor. J. E. Young. 1,847,855; Mar. 1.
Tie: *See*—
Form tie. Railway tie.
Parcel tie. Steel tie.
Railroad tie. Type form tie.
Tie. L. E. Grossman. 1,871,173; Aug. 9.
Tie. W. H. Ve Relle. 1,864,265; June 21.
Tie and collar support, Combination. G. E. McKeen. 1,875,251; Aug. 30.
Tie attachment. J. R. Haas. 1,869,251; July 26.
Tie back for curtains. C. P. Henry. 1,865,756; July 5.
Tie-back for drapes and curtains, Detachable. C. E. Schinke. 1,876,029; Sept. 6.
Tie-back for drapes, curtains, and the like. W. C. Chapman. Des. 87,300; July 5.
Tie bar for bumperettes. G. W. Veale. 1,876,112; Sept. 6.
Tie for bales. R. W. Montéa. 1,850,027; Mar. 15.
Tie for mattresses, cushions, etc. A. D. Patchen. 1,887,066; Nov. 8.
Tie for metal straps. L. M. Harvey. 1,853,810; Apr. 12.
Tie for personal wear. W. T. Stanley. 1,889,054; Nov. 29.
Tie for wall forms. C. A. Kinninger. 1,850,462; Mar. 22.
Tie forming mechanism. L. M. Harvey. 1,874,518; Aug. 30.
Tie holder. L. E. Baer. 1,874,853; Aug. 30.
Tie member for tanks. R. L. Lewis. 1,857,560; May 10.
Tie or buckle, Bale band. F. W. Davis and R. T. Stutts. 1,874,464; Aug. 30.
Tie or sleeper for railroad and similar purposes, Wooden. E. Simon. 1,841,259; Jan. 12.
Tie-plate. L. B. Armstrong. 1,865,452; July 5.
Tie plate. W. S. Boyce. 1,870,440; Aug. 9.
Tie plate. C. T. and H. K. Mathews. 1,859,570; Jan. 5.
Tie plate. G. W. Nibbe. 1,853,166; Apr. 12.
Tie plate. F. A. Preston. 1,881,937; Oct. 11.
Tie plate and rail brace. J. A. Welton. 1,858,868; May 17.
Tie plate and rail fastener. J. A. McGrew. 1,863,274; June 14.
Tie-plate, rail, and rail anchor. A. Luisa-Visat. 1,881,765; Oct. 11.
Tie plate, Railway. G. T. Willard. 1,854,497; Apr. 19.
Tie press. J. Irechik. 1,876,409; Sept. 20.
Tie puller. J. J. Veling. 1,857,772; May 10.
Tie rack. H. H. A. Hulseberg. 1,870,729; Aug. 9.
Tie rack. R. J. Kopp. 1,878,444; Sept. 20.
Tie rod. J. Sneed. 1,844,340; Feb. 9.
Tie rod adjustment. V. Jantsch. 1,854,938; Apr. 19.
Tie rod construction. E. K. Baker. 1,845,697; Dec. 16.
Tie rod end. F. C. Crawford and G. H. Rufferd. 1,842,747; Jan. 26.
Tie rod end. M. P. Graham. 1,866,098; July 5.
Tie rod end. G. H. Hufferd and M. P. Graham. 1,862,933; June 14.
Tie rod, Safety. F. C. Crawford. 1,854,925; Apr. 19.
Tie stitching machine. I. R. Metcalf and R. L. Pelland. 1,884,420; May 3.
Tier mechanism for hay presses. W. V. Howard. 1,871,885; Aug. 16.
Tigering machine. C. G. Richardson. 1,880,486; Oct. 4.
Tight center bar. G. Langford. Re18,568; Aug. 16.
Tight holding coupling. L. B. Bridges. 1,849,066; Mar. 8.
Tightening device. A. P. Buisset. 1,883,530; Oct. 18.
Tile. O. T. Anderberg. 1,854,324; Apr. 19.
Tile. R. W. Page and F. W. Hill. 1,881,906; Oct. 11.
Tile. L. V. Solon. Des. 87,650; Aug. 23.
Tile. P. H. Solon. 1,864,153; June 21.
Tile and floor with special metal wearing surface. B. A. Honig and F. Ebener. 1,845,711; Feb. 16.
Tile and method of making, Roofing. E. P. Everett. 1,844,647; Feb. 9.
Tile and process, Roofing. T. C. Prouty. 1,877,481; Sept. 13.
Tile and soffit means for concrete floor construction. W. M. Goldsmith. 1,870,807; Aug. 9.
Tile, Apparatus for producing. R. B. Keeler and R. W. Phillips. 1,878,780; Sept. 20.
Tile block. B. B. Bolton. Des. 86,075–6; Jan. 26.
Tile block or similar article. C. P. Griffith. Des. 86,119–20; Feb. 2.
Tile board. R. G. Stanbrough. 1,867,897; July 19.
Tile board, Apparatus for manufacturing. R. Ericson. 1,871,563; Aug. 16.
Tile board, Manufacturing. R. Ericson. 1,871,843; Aug. 16.

Tile, brick, gypsum, blocks, pipe, or similar material, Shipping or transporting hollow. N. G. Campbell and J. J. Yates. 1,855,665; Apr. 26.
Tile, Building. H. E. Stevens. 1,887,701; Nov. 15.
Tile casting apparatus. A. H. Heston. 1,842,803; Jan. 26.
Tile construction. F. A. Close. 1,845,482; Feb. 16.
Tile, Coping. F. B. Parker. 1,884,522; Oct. 25.
Tile covering, Wall. H. Stuken. 1,854,772; Apr. 19.
Tile cutting machine. E. H. Wolber. 1,857,269; May 10.
Tile, Draining. C. Dietrichs. 1,857,143; May 10.
Tile drains, Apparatus for laying. G. and W. M. Henderson. 1,879,583; Sept. 20.
Tile, Enamel metallic. N. J. Burgett. 1,868,815; July 26.
Tile exhibitor. W. McCoy. 1,841,620; Jan. 19.
Tile floor. J. A. Bried. 1,865,825; July 5.
Tile, Floor. J. E. Graham. 1,876,289; Sept. 6.
Tile floor covering. E. Veltung. 1,861,558; June 7.
Tile flooring. J. G. Shodron. 1,874,644; Aug. 30.
Tile for boiler tubes. C. H. Johnson. 1,876,301; Sept. 6.
Tile for soil sterilization. W. Salisbury. 1,875,395; Sept. 6.
Tile, Forming roofing. D. M. Denton. 1,880,872; Oct. 4.
Tile, Glass. J. H. Knauer. 1,867,335; Nov. 8.
Tile grinding machine. T. C. and W. O. Prouty. 1,862,704; June 14.
Tile, Hand grip balanced hollow. W. F. Kipple. 1,886,404; Nov. 8.
Tile, Manufacturing ornamental glass. E. Medina. 1,857,356; Mar. 15.
Tile, Metal. W. M. Goldsmith. 1,846,194; Feb. 23.
Tile, Metal-clad. S. Levy. 1,865,771; July 5.
Tile or analogous simulation. S. Greenebaum. 1,852,715; Apr. 5.
Tile panel alignment. N. H. Cederquist. 1,872,888; Aug. 23.
Tile partition. J. H. Ryan. 1,862,831; June 14.
Tile, Paving. E. H. Binns. 1,869,880; Aug. 2.
Tile, Roofing. S. B. Myers. 1,855,029; Apr. 19.
Tile, Roofing. F. C. Overbury. 1,868,803; July 26.
Tile scoring and breaking device. S. Postley. 1,873,721; Aug. 23.
Tile setter. A. L. Schreiber. 1,841,641; Jan. 19.
Tile structure for forming concrete floors, Removable metal. W. M. Goldsmith. 1,846,195; Feb. 23.
Tile structure, Metal. W. M. Goldsmith. 1,846,197; Feb. 23.
Tile-surfaced structural element. J. F. Doven. 1,880,015; Sept. 27.
Tiles, Apparatus for making roof. O. Walter. 1,846,290; Feb. 23.
Tiles, Manufacturing metal. M. Heymann. 1,851,834; Mar. 29.
Tiles, Method and apparatus for displaying. C. A. Whitcomb. 1,850,647; Mar. 22.
Tiles, Method and apparatus for molding. R. D. Zeno. 1,843,610; Feb. 2.
Tiller, Rotary. W. Bussman. 1,843,119; Feb. 2.
Tiller, Rotary. L. Infour. 1,840,188; Jan. 5.
Tiller, Rotary. A. Schmidt and G. Peneff. 1,852,859; Apr. 5.
Tills, Insert for. H. G. Beard, D. E. Justus and A. Barelli. 1,875,695; Sept. 6.
Tilt table. A. C. Nelson. 1,874,582; Aug. 30.
Tilting furnace. L. C. Burt and I. L. Anderson. 1,880,788; Oct. 4.
Tilting hearth furnace, Elongated. H. Maschmeyer. 1,856,716; May 3.
Tilting table. N. B. Chace. 1,859,025; May 17.
Timber, Apparatus for decorticating. P. Foss. 1,889,046; Nov. 29.
Timber, Method and product for preserving. H. C. Gardiner. 1,859,203; May 17.
Timber shape. E. J. Thurber. 1,877,087; Sept. 13.
Time and coin controlled apparatus, Combined. A. P. Hodge. 1,843,898; Feb. 2.
Time announcing system. G. Rättig. 1,889,108; Nov. 29.
Time control for radios. E. W. Erickson. 1,891,901; Dec. 27.
Time control mechanism. W. E. Myers. 1,844,971; Feb. 16.
Time controlled device. C. Ruiz. 1,865,965; July 5.
Time-controlled suggestion machine, Automatic. A. B. Sallee. 1,856,358; May 3.
Time controlled switch. J. W. Belt. 1,882,742; Oct. 18.
Time controlled switch. E. T. Condon. 1,874,028; Aug. 30.
Time controlled switch. W. L. King. 1,865,919; July 5.
Time controlled switch. R. Pudelko. 1,841,151; Jan. 12.
Time controlled switch. A. H. Saar, jr. 1,885,482; Nov. 1.
Time controlled switch mechanism, Coin operated. J. L. Vaughn. 1,890,358; Dec. 6.
Time controlling mechanism for vulcanizing molds. P. De Mattia. 1,867,734; July 19.
Time delay apparatus. H. P. Thomas. 1,880,576; Oct. 4.
Time delay device. E. Foucault. 1,858,082; May 10.
Time drift recorder, Electrical. E. E. Stevens. 1,851,781; Mar. 29.
Time drift recorder, Mechanical. D. D. Higgins. 1,851,835; Mar. 29.
Time element device. W. M. Scott. Re18,683; Dec. 6.
Time element device. W. M. Scott. 1,848,668; Mar. 8.
Time element device. S. N. Wight. 1,856,045; Apr. 26.
Time fuse mechanism for projectiles. A. Varaud. 1,890,552; Dec. 13.
Time interval controlling device, Automatic. D. J. Millison. 1,864,255; June 21.
Time keeping mechanism. A. F. Poole. 1,852,896; Apr. 5.
Time limit overload switch. C. H. Rippl. 1,868,256; July 19.
Time lock, Auxiliary. W. F. Richards. 1,882,339; Oct. 11.
Time measuring device. W. Hatton and K. M. Sano. 1,862,537; June 14.
Time metering system, Elapsed. N. H. Saunders. 1,842,305; Jan. 26.
Time, Method of and apparatus for measuring reverberation. F. H. Hibbard. 1,869,196; July 26.
Time of day announcing system. H. G. W. Brown. 1,862,919; June 14.
Time of day announcing system. C. W. Keckler and A. E. Hague. 1,863,137; June 14.
Time of day announcing system. R. F. Massonneau. 1,863,139; June 14.
Time of day announcing system. W. B. Prince. 1,863,141; June 14.
Time-of-day announcing system. L. C. Warner. 1,866,606; July 12.
Time of propagation of wave fronts over circuits, Measuring. J. Herman. 1,844,886–7; Feb. 9.
Timepiece. T. Koch, sr. 1,892,514; Dec. 27.
Time piece balance wheels, Finishing. G. Gallay. 1,864,179; Oct. 18.
Timepiece dials, Attaching means for. H. Colomb. 1,886,166; Nov. 1.
Timepiece winding and setting mechanism. F. Piguet. 1,845,440; Feb. 16.
Timepieces, Winding and setting device for. H. Willdorf. 1,871,936; Aug. 16.
Time setting device for timepieces. G. Jacot. 1,855,053; Apr. 19.
Time study method and apparatus. A. D. Jennings. 1,839,318; Jan. 5.
Time switch. E. Albertini. 1,868,086; July 19.
Time switch. F. T. Fereday. 1,849,335; Mar. 8.
Time switch. E. S. Fessenden. 1,864,487; June 21.
Time switch. J. J. Jakosky and A. W. Knight. 1,869,752; Aug. 2.
Time switch. J. E. Kurkendall. 1,878,637; Sept. 20.
Time switch. G. Ogurkowski. 1,888,687; Nov. 22.
Time switch. P. Paschen and G. Mohr. 1,851,592; Mar. 29.
Time switch. W. E. Porter. 1,860,159; May 24.
Time switch. W. E. Porter. 1,891,946; Dec. 27.
Time switch. H. Schlemm. 1,887,735; Nov. 15.
Time switch. C. E. Sundberg. 1,860,371; May 31.
Time switch. F. Thornton, jr. 1,870,185; Aug. 2.
Time switch, Automatic. C. I. Hall. 1,879,213; Sept. 27.
Time switch, Automatic. J. Q. Sherman. 1,850,421; Mar. 22.
Time switch, Coin operated. F. C. Galland. 1,854,185; Apr. 19.
Time switch, Electric. F. Urso. 1,859,060; May 17.
Time switch, Electrical. H. Schuler. 1,856,789; May 3.
Time switch, Electrical. J. A. Smith. 1,870,028; Aug. 2.
Time switch, Periodic electric. A. J. Shekter. 1,891,017; Dec. 13.
Timer. J. A. Mould. 1,868,754; July 26.
Timer. A. J. Woodford. 1,854,360; Apr. 19.
Timer for four cylinder outboard motors. O. Evenrude. 1,874,178; Aug. 30.
Timer for photo-timing machines, Automatic. C. Doino. 1,865,397; June 28.
Timer for traffic signals. J. Keller. 1,879,300; Sept. 27.
Timer, Ignition. M. Mallory. 1,886,566; Nov. 8.
Timer, Interval. F. Lux. 1,868,241; July 19.
Timer mechanism. E. C. Bixby. 1,873,531; Aug. 23.
Timing and controlling electrical circuits. J. Mettler. 1,882,233; Oct. 11.
Timing and recording mechanism. S. Shafer, jr., 1,849,346; Mar. 8.
Timing assembly for automobiles. S. H. Clarke. 1,860,233; May 24.
Timing control for manually operated transmitters for ticker or step-by-step telegraph systems, Automatic. P. L. Myer. 1,855,153; Apr. 19.
Timing device. J. D. Le Van and C. Stansbury. 1,867,225; July 12.
Timing device. J. M. Luers. 1,843,689; Feb. 2.
Timing device. M. L. Nelson. 1,868,989; July 26.
Timing device. W. E. Shelton. 1,888,809; Nov. 22.
Timing device. C. Stansbury and G. C. Brown. 1,892,017; Dec. 27.
Timing device, Automatic. W. S. McGuire. 1,887,418; Nov. 8.
Timing device, Electrically operated. C. Fayer. 1,842,596; Jan. 26.
Timing device for laundry machines. A. L. Bausman. 1,851,484; Mar. 29.
Timing device for photographic printing machines. L. S. Rennick. 1,844,179; Feb. 9.

Timing device for photographic printing machines, Automatic. L. S. Rennick. 1,844,180; Feb. 9.
Timing device, Fuel feed. H. H. Conover. 1,856,466; May 3.
Timing intervals, Automatic means for changing. H. H. Haglund. 1,874,187; Aug. 30.
Timing mechanism. M. Ireland. 1,866,808; July 12.
Timing mechanism, Automatic. T. Longbotham and M. Bleich. 1,875,623; Sept. 6.
Timing mechanism, Electrically operated. C. Fayer. 1,874,477; Aug. 30.
Timing mechanism for driers, scorchers, and formers. F. Smith and W. M. Barker. 1,880,114; Sept. 27.
Timing mechanism for internal combustion engines. R. Nemschaffer. 1,861,545; June 7.
Timing mechanism, Limit. R. D. Smith. 1,869,519; Aug. 2.
Tin compounds in the art of leading silk, Recovery of. W. Meitner. 1,878,507; Sept. 20.
Tin from alkali stannate or alkali stannite lyes, Electrolytic production of. W. Fawsitt. 1,857,752; May 10.
Tin from ores and the like, Recovery of. H. L. Sulman and F. K. Picard. 1,847,991; Mar. 1.
Tin from scrap tin plate and like tin bearing materials, Recovery of. M. G. Gilbert. 1,859,919; May 24.
Tin from scrap tinned plate and like tin carrying material, Recovery of. W. Hinchley. 1,858,669; May 17.
Tin, jar, or like container. H. G. Rowbotham. 1,879,517; Sept. 27.
Tin plate, Method of and apparatus for handling. A. D. Evans and J. K. Lamoree. 1,890,250; Dec. 6.
Tin plate sorting machine. J. C. Balletti. 1,873,860; Aug. 23.
Tin-plate, Wet cleaning. R. E. Zimmerman. 1,865,417; June 28.
Tin plating. F. F. Oplinger. 1,841,978; Jan. 19.
Tin, Recovery of. H. B. Bassett. 1,890,359; Dec. 6.
Tinning machine. J. C. Slonneger. 1,868,545; July 26.
Tinsel garland. M. J. Reiner. 1,882,905; Oct. 18.
Tints on the fiber, Obtaining fast. M. Bommer, R. Haller, and E. Pool. 1,879,727; Sept. 27.
Tints on the fiber, Producing fast. R. Haller. 1,875,446; Sept. 6.
Tip for flexible drive shafts. A. Pineau. 1,864,507; June 21.
Tip for furniture legs. A. G. Henrikson. 1,891,643; Dec. 20.
Tip for mechanical pencils. W. H. Lindemon. 1,872,151; Aug. 16.
Tip for oxy-acetylene torches. A. F. Jenkins. 1,888,385; Nov. 22.
Tip for wire cables and applying same. J. F. Hayes. 1,853,681; Apr. 12.
Tips from torches, Fabricating. A. F. Jenkins. 1,869,260; July 26.
Tips to tool holders, Securing. L. G. Firth. 1,843,549; Feb. 2.
Tippie, Car unloading. R. E. Daly. 1,887,120; Nov. 8.
Tire. A. Beech. 1,867,438; July 12.
Tire. J. J. Black. Des. 88,620; Dec. 13.
Tire. J. J. Black and C. F. Ofensend. Des. 88,621; Dec. 13.
Tire. H. A. Brittain. Des. 86,193; Feb. 16.
Tire. H. A. Brittain. Des. 86,299; Feb. 23.
Tire. W. A. Brown. 1,856,814; May 3.
Tire. D. J. Campbell. 1,879,790; Sept. 27.
Tire. G. Campu. 1,881,309; Oct. 4.
Tire. B. Darrow. Des. 86,780; June 14.
Tire. E. Eger and S. P. Thacher. 1,857,144; May 10.
Tire. A. C. Gunsaulus. Des. 86,771; Apr. 19.
Tire. A. C. Gunsaulus. Des. 86,780-1; Dec. 27.
Tire. A. Hargraves. Des. 87,467; Aug. 2.
Tire. R. E. Jenkinson. Des. 86,720; Apr. 12.
Tire. B. S. Katz. 1,881,655; Oct. 11.
Tire. V. Martin. 1,861,800; June 14.
Tire. A. S. Michelson. Des. 87,724; Sept. 6.
Tire. C. G. Miller. Des. 87,727; Sept. 6.
Tire. C. W. Ridge. Des. 86,800; Apr. 19.
Tire. H. D. Reichard. Des. 87,941; Oct. 11.
Tire. P. Reuter-Lorenzen. Des. 87,082; May 31.
Tire. R. A. Roberts. Des. 86,479; Mar. 8.
Tire. E. A. Roberts. Des. 87,129; June 7.
Tire. A. H. Shoemaker. Des. 87,649; Aug. 23.
Tire. J. W. Wyant. Des. 87,699; Aug. 30.
Tire alarm. E. K. Kirtley. 1,841,248; Jan. 12.
Tire and making it, Pneumatic. G. D. Mallory. 1,862,492; June 7.
Tire and making the same. F. C. Rogers and V. B. Gay. 1,869,620; Aug. 2.
Tire and rim construction, Pneumatic. A. H. Shoemaker. 1,875,993; Sept. 6.
Tire and rim lock, Spare. E. P. Hurd. 1,875,734; Sept. 6.
Tire and vehicle wheel therefor, Sectional. J. B. Des Rosiers. 1,845,583; Feb. 16.
Tire and wheel and making the same, Automobile. I. Trautman. 1,842,219; Jan. 19.
Tire and wheel, Balloon. A. J. Musselman. 1,876,068; Sept. 6.
Tire and wheel, Pneumatic. A. H. Shoemaker. 1,885,484; Nov. 1.
Tire and wheel lock, Spare. F. W. Heinke, Jr. 1,881,566–7; Oct. 11.
Tire appliance, Automobile. W. H. Crossley. 1,859,197; May 17.
Tire, Auto. C. H. Pederson. 1,876,016; Sept. 6.
Tire, Automobile. J. T. Clark. 1,889,799; Dec. 6.
Tire, Automobile. J. A. Schoedinger, sr. Des. 86,810; Apr. 19.
Tire, Automobile. H. R. Smith. Des. 87,418–19; July 19.
Tire balancing machine. R. W. Brown. 1,842,818; Jan. 26.
Tire band machine. F. J. Shook. 1,842,428; Jan. 26.
Tire bead cores, Method and apparatus for making. F. Slusher. 1,841,260; Jan. 12.
Tire bead, Treating. B. W. Rowland. 1,876,076; Sept. 6.
Tire beads, Method and apparatus for reenforcing. H. D. Stevens. 1,864,155; June 21.
Tire beads, Method of and apparatus for constructing. R. S. Kirk. 1,841,331; Jan. 12.
Tire building apparatus. J. J. Black. 1,869,656; Aug. 2.
Tire building apparatus. C. H. Desautels. 1,876,633; Sept. 13.
Tire building apparatus. C. W. Leguillon and N. L. Warner. 1,862,024; June 7.
Tire building apparatus. H. D. Stevens. 1,880,519; Oct. 4.
Tire building apparatus. N. L. Warner. 1,844,489; Feb. 9.
Tire building drum, Telescopic. A. L. Heston. 1,860,342; May 24.
Tire building machine. O. L. Flener. 1,855,229; Apr. 26.
Tire building machine. F. H. Grove and A. L. Heston. 1,841,584; Jan. 19.
Tire building machine. F. J. Shook. 1,859,538; May 24.
Tire building machine. G. F. Wilkie. 1,846,044; Feb. 23.
Tire carcass and rubber reclaiming machine. O. A. Wheeler. 1,851,555; Mar. 29.
Tire carcasses, Apparatus for building. F. B. Pfeiffer. 1,887,187; Nov. 8.
Tire carrier. W. S. Fisher. 1,859,662; May 24.
Tire carrier. S. C. Fountain. 1,844,035; Feb. 9.
Tire carrier. F. H. Le Jeune. 1,872,150; Aug. 12.
Tire carrier. H. C. Nichols, P. E. Nichols, and F. T. Nichols. 1,881,222; Oct. 4.
Tire carrier. J. S. Rutledge. 1,839,997; Jan. 5.
Tire carrier, Spare. J. L. Gilmore. 1,876,912; Sept. 13.
Tire carrier, Spare. F. A. Stutsman and J. Olsen. 1,849,855; Mar. 15.
Tire casing, Pneumatic. W. J. Taylor. 1,846,042; Feb. 23.
Tire casing repairing device, Pneumatic. L. M. Littlefield. 1,859,305; May 24.
Tire casings and apparatus therefor, Manufacture of pneumatic. H. Willshaw. 1,891,489; Dec. 20.
Tire casings and inner tubes, Apparatus for and method of vulcanizing. H. A. Dunmire. 1,871,120; Aug. 9.
Tire casings, Curing flaps for pneumatic. C. E. Maynard. 1,852,085; Apr. 5.
Tire chain hook. O. A. S. Eriksen. 1,867,911; July 19.
Tire chain tightener. W. Johnson. 1,885,603; Nov. 1.
Tire clamp. W. Choinski. 1,839,951; Jan. 5.
Tire construction. J. E. Lorentz. 1,842,353; Jan. 19.
Tire construction, Pneumatic. J. W. Quynn. 1,874,120; Aug. 30.
Tire construction, Pneumatic. E. A. Roberts. 1,880,489; Oct. 4.
Tire core. H. C. Bostwick. 1,862,655; June 14.
Tire core and chuck. H. C. Bostwick. 1,866,994; July 12.
Tire core, Expansible. H. A. Denmire. 1,840,489; Jan. 12.
Tire core extractor. H. C. Bostwick. 1,877,751; Sept. 13.
Tire core, Pneumatic. C. E. Lawton. 1,879,348; Sept. 27.
Tire cover advertising device. W. D. Reeves. 1,854,861; Apr. 19.
Tire cushion. H. F. Schippel. 1,863,031; June 14.
Tire deflation alarm. S. W. Bishop. 1,886,160; Nov. 1.
Tire deflation indicator. W. L. Jones. 1,857,551; May 10.
Tire deflation signal. H. T. Lambert. 1,878,411; Sept. 20.
Tire display stand. R. R. Howell and F. A. Fleming. 1,886,549; Nov. 8.
Tire, Dual pneumatic. G. A. Handy. 1,862,218; June 7.
Tire for railway vehicles. A. J. Michelin. Re18,638; Oct. 25.
Tire for vehicles, Pneumatic. F. F. Anderson. 1,854,537; Apr. 19.
Tire inflation device. S. Johnson, jr., R. L. Morrison, and A. R. Leukhardt. 1,865,110; June 28.
Tire inflator. F. K. Mowry. 1,879,484; Sept. 27.
Tire inflator, Automatic. D. H. Spicer. 1,874,375; Aug. 30.
Tire insert. C. S. Morse. 1,875,102; Aug. 30.
Tire inspection, Balloon. R. E. Manley. 1,848,961; Mar. 8.
Tire jack Balloon. J. W. Rate. 1,844,629; Feb. 9.
Tire lock. J. R. Thorp. 1,851,141; Mar. 29.
Tire lock assembly. F. T. Root. 1,854,488; Apr. 19.
Tire lock, Spare. J. J. Edwards. 1,843,150; Feb. 2.
Tire lock, Spare. C. L. Johnson. 1,851,313; Mar. 29.
Tire lock, Spare. K. Schmidt. 1,845,446; Feb. 16.
Tire machine. W. G. Prentice. 1,863,764; June 21.
Tire machine. W. G. Prentice and F. B. Copeland. 1,853,146; Apr. 12.
Tire making machine. H. D. Stevens. 1,869,317; July 26.
Tire making machine. P. D. Thropp and L. A. Moreland. 1,843,850; Feb. 2.
Tire, Metallic spring. H. A. Cruz. 1,865,457; July 5.
Tire mold. A. R. Furnas. 1,880,430; Oct. 4.
Tire mold manufacture. A. G. Cole. 1,889,823; Dec. 6.

Tire, Nonskid. R. B. Respess. 1,864,939; June 28.
Tire or similar article, Automobile. E. J. Morin. Des. 87,949; Oct. 11.
Tire, Pneumatic. P. Daddo. 1,886,470; Nov. 8.
Tire, Pneumatic. T. G. Graham. Des. 86,912; May 10.
Tire, Pneumatic. J. L. M. Guenard. 1,886,094; Nov. 1.
Tire, Pneumatic. A. R. Ruz. 1,858,094; May 10.
Tire, Pneumatic. F. H. Johnson. 1,862,269; June 7.
Tire, Pneumatic. L. L. Jones. 1,860,362; May 31.
Tire, Pneumatic. K. B. Kilborn. 1,861,276; May 31.
Tire, Pneumatic. F. A. Krusemark. Re18,618; Oct. 11.
Tire, Pneumatic. J. E. Lorentz. 1,881,020; Oct. 4.
Tire, Penumatic. G. D. Mallory. 1,853,827; Apr. 12.
Tire, Pneumatic. H. P. Schrank. 1,877,988; Sept. 20.
Tire, Pneumatic. F. A. Seiberling and W. S. Wolfe. 1,877,600; Sept. 13.
Tire press, Hydraulic. C. B. O'Dell. 1,890,746; Dec. 13.
Tire pressure alarm operating means G. G. Guthrie. 1,882,661; Oct. 18.
Tire pressure control means, Twin. J. O. Basta. 1,870,484; Aug. 9.
Tire pressure equalizer, Dual. D. H. Spicer. 1,882,455; Oct. 11.
Tire pressure gauge. W. H. Dinger. 1,851,978; Apr. 5.
Tire pressure gauge. J. C. Fair. 1,875,862; Sept. 6.
Tire pressure gauge. G. E. Farley. 1,850,541; Mar. 22.
Tire pressure indicator. J. V. Lobdell, jr. 1,849,940; Mar. 15.
Tire pressure indicator. L. S. Morse. 1,849,730; Mar. 15.
Tire pressure indicator, Solenoid, Pneumatic. H. A. Denmire. 1,849,139; Mar. 15.
Tire reclaiming machine. O. A. Wheeler. 1,891,789; Dec. 20.
Tire remover. A. B. Mullin. 1,880,463; Oct. 4.
Tire, Resilient. J. D. Hart. 1,887,019; Nov. 8.
Tire, Resilient. C. G. Worsley and P. L. Harkin. 1,841,773; Jan. 19.
Tire rim, Collapsible demountable. T. W. Morgan. 1,862,415; June 7.
Tire-skiving machine. H. D. Stevens. 1,850,033; Mar. 15.
Tire scuff detector, Vehicle. J. F. Duby. 1,890,218; Dec. 6.
Tire shaping apparatus. H. D. Stevens. 1,855,261; Apr. 26.
Tire shaping machine. A. O. Abbott, jr. 1,867,557; July 19.
Tire shoe. N. L. Jacobus. 1,847,876; Mar. 1.
Tire, Solid. R. S. Burdette. 1,866,797; July 12.
Tire, Solid. C. Bulmer. H. G. Bruns. 1,877,805; Sept. 20.
Tire spreader. C. C. Clark. 1,868,564; July 26.
Tire spreader. J. J. Dettling. 1,849,034; Mar. 8.
Tire spreader. G. E. Hazard. 1,878,515; Sept. 20.
Tire spreader. E. F. Larson. 1,847,772; Mar. 1.
Tire spreader. A. Puleo. 1,888,834; Nov. 22.
Tire spreading machine. J. L. Peshette. 1,866,518; July 5.
Tire spreading machine. W. G. Prentice and F. B. Copeland. 1,886,834; Nov. 8.
Tire, Spring automobile. H. L. Nyrz. 1,848,967; Mar. 8.
Tire stand. C. J. and W. M. Doering. 1,864,234; June 21.
Tire structure, Cord. A. E. Preyer. 1,855,560; Apr. 26.
Tire structure, Wheel. C. F. Crumb and G. Hammer. 1,854,826; Apr. 19.
Tire supporting structure for rasping and buffing machines, Adjustable. H. J. Woock. 1,848,684; Mar. 8.
Tire tester. M. E. Cheney. 1,883,557; Oct. 18.
Tire testing machine. H. E. Warner. 1,875,786; Sept. 6.
Tire tread. F. J. Jarvis. 1,882,315; Oct. 11.
Tire tread cutting machine, Rubber. L. H. Messinger, jr. 1,859,785; May 24.
Tire trimming machine. J. I. Haase. 1,883,729; Oct. 18.
Tire tube tester. D. H. Miller. 1,880,328–9; Oct. 4.
Tire, Vehicle. A. Blazquez. 1,856,983; May 3.
Tire, Vehicle. I. J. Remark. Des. 86,473; Mar. 8.
Tire vulcanizing machine. K. K. A. Thorsen. 1,876,100; Sept. 6.
Tire vulcanizing mold. W. R. J. Woock. 1,866,832; July 12.
Tire wrapping machines, Bead closing mechanism. R. P. Harvey. 1,876,414; Sept. 6.
Tires and rubber, Apparatus for the vulcanization of rubber. J. R. Stricklen and S. A. Fraine. 1,887,250; Nov. 8.
Tires, Apparatus for handling. L. A. Ellis. 1,885,809; Nov. 1.
Tires, Apparatus for manufacturing. F. J. Shook and A. L. Heston. 1,872,830; Aug. 23.
Tires, Apparatus for wrapping. G. F. Wilson and F. J. Shook. 1,876,815; Sept. 13.
Tires, Constructing pneumatic. R. E. Jenkinson. 1,849,625; Mar. 15.
Tires for vehicles, Flexible. M. Pereda. 1,881,290; Oct. 4.
Tires, Forming rubber. L. A. Laursen. 1,862,314; June 7.
Tires, Non-skid device for pneumatic. G. Stabili. 1,884,330; Oct. 25.
Tires, Making. A. J. Musselman. 1,846,269; Feb. 23.
Tires, Method and apparatus for curing solid. J. R. Gammeter. 1,870,805; Aug. 9.
Tires, Pressure maintaining device for pneumatic. C. H. Johnson. 1,875,874; Sept. 6.
Tires, Process and apparatus for the manufacture of pneumatic. H. A. Denmire. 1,849,138; Mar. 15.
Tires, Reenforcing element for beads of rubber. C. S. Arms. 1,849,741; Mar. 15.
Tires, Testing. M. Castricum. 1,850,223; Mar. 22.
Tires, Tread attachment for vehicle. J. Kozma. 1,882,386; Oct. 11.
Tires, tubes, and the like, Apparatus for vulcanizing rubber. J. R. Strickler and S. A. Fraine. 1,887,251; Nov. 8.
Tissue filler. E. H. Haabestad. 1,889,655; Nov. 29.
Tissue filler for corpses. H. R. Ochs. 1,882,867; Oct. 18.
Tissue of cellulose fiber for conversion into cellulose derivatives and product of same, Conditioning a. C. A. Richter, M. O. Schur, and R. H. Rasch. 1,859,889; May 24.
Tissue packet. J. B. Lyon. 1,873,610; Aug. 23.
Titanates, Production of. R. H. Monk and L. Firing. 1,896,351; May 3.
Titanic oxide suitable for use as a pigment, Manufacturing. K. Leuchs. 1,853,626; Apr. 12.
Titanium compounds, Preparation of. W. B. Llewellyn and S. W. Crundall. 1,876,055; Sept. 6.
Titanium compounds, Recovery of. W. F. Washburn. 1,889,027; Nov. 29.
Titanium hydroxide, Preparation of. J. Blumenfeld. 1,851,487; Mar. 29.
Titanium oxide, Manufacture of. F. G. C. Stephens, L. J. Anderson, and W. A. Cash. 1,876,088; Sept 6.
Titanium sulphate solutions, Preparing highly concentrated. F. Raspe and P. Weise. 1,849,153; Mar. 15.
Titanium white, Making. S. J. Lubowsky. 1,888,993; Nov. 29.
Title stand. F. La Grande. 1,845,294; Feb. 16.
Titration method and tablet therefor. F. H. Guernsey. 1,840,445; Jan. 12.
Toaster. M. Bersted. 1,852,398; Apr. 5.
Toaster. T. C. Forbes. 1,876,901; Sept. 13.
Toaster. F. Kuhn and L. H. Thomas. 1,886,558; Nov. 8.
Toaster. L. V. Lucia. 1,873,898; Aug. 23.
Toaster. P. J. N. Miller and V. E. Extrom. 1,878,968; Sept. 20.
Toaster. J. Pavelka. 1,884,825; Oct. 25.
Toaster, Automatic sandwich. A. Maragos. 1,862,965; June 14.
Toaster, Automatically timed electric. G. Browning. 1,879,935; Aug. 2.
Toaster, Bread. E. D. Faceros. 1,839,539; Jan. 5.
Toaster, Bread. T. C. Forbes. 1,870,562; Aug. 9.
Toaster, Bread. E. H. Smith. Re18,566; Aug. 9.
Toaster, Electric. A. M. Anderson and F. W. Juengst. Des. 87,297; July 5.
Toaster, Electric. W. A. Barnes and M. O. Wilkinson. 1,868,874; July 19.
Toaster, Electric. F. W. and C. S. Lagerquist. Des. 86,611; Mar. 29.
Toaster, Electric. E. G. C. Lofgren and W. M. Anderson. 1,885,992; Nov. 29.
Toaster, Electric. R. E. Patten. Des. 86,804; Apr. 19.
Toaster, Electric. A. O. Samuels. Des. 87,172; June 14.
Toaster, Electric. C. C. Wright. 1,902,733; June 14.
Toaster, Electric bread. J. E. Haeringer. 1,868,287; July 19.
Toaster, Gas speed. P. J. Martell and W. B. McMurray. 1,891,825; Dec. 20.
Toaster, Nut. W. W. Kelly. Des. 87,997; Oct. 18.
Toaster or similar article. E. D. Coddington. Des. 88,221; Nov. 8.
Toaster or similar article, Electric. J. Fletcher. Des. 87,743; Sept. 13.
Toaster, Sandwich. K. E. Bemis. 1,878,258; Sept. 20.
Toaster, Sandwich. J. A. Wagner. Des. 87,896; Oct. 4.
Toasting device. F. H. Schroeder, J. H. Langenfeld, and C. Fryer. 1,841,301; Jan. 12.
Tobacco bleaching. C. W. Andrews. 1,847,162; Mar. 1.
Tobacco, Casing. G. D. Harris. 1,853,423; Apr. 12.
Tobacco, Casing. H. Hall. 1,853,424; Apr. 12.
Tobacco, Conditioning. R. D. Touton. 1,865,154; June 28.
Tobacco cutting machine. L. H. Zeun. 1,852,341; Apr. 5.
Tobacco feed belt for cigarette machines. A. Podmore. 1,864,758; June 28.
Tobacco feed control, Automatic. W. J. Hawkins and A. E. Wiener. 1,864,728; June 28.
Tobacco, Fermenting. A. Scalvini. 1,843,304; Feb. 2.
Tobacco for making cigarettes and for other purposes, Apparatus for combing and feeding. F. F. Ruau. 1,878,328; Sept. 20.
Tobacco leaves, process of producing a composition for use in the practice of the method and resultant composition, Treating. S. Jordan. 1,888,173; Nov. 15.
Tobacco, Method and apparatus for cleaning. J. M. Vaughan. 1,852,947; Apr. 5.
Tobacco, Method and apparatus for preparing leaf. W. W. Michaux, jr. 1,862,192; June 7.
Tobacco mixture. C. S. Hicks. 1,842,266; Jan. 19.
Tobacco moistening device. K. Grünwald. 1,841,889; Jan. 19.
Tobacco particles and freeing them from dust, Method of and apparatus for loosening. V. Lorentz. 1,863,666; June 21.
Tobacco pipe. J. F Butterly. 1,853,603; Apr. 12.
Tobacco pipe. E. H. Griswold. 1,871,365; Aug. 9.
Tobacco pipe. W. W. Hesson. 1,855,800; Apr. 26.
Tobacco pipe. J. Klein. 1,861,865; June 7.
Tobacco-pipe. A. Klingensierna. 1,889,073; Nov. 29.

Tobacco pipe. D. P. Lavietes. 1,888,462 ; Nov. 22.
Tobacco pipe. P. Mancusi and V. Di Sibio. 1,866,574 ; July 12.
Tobacco pipe. L. L. Martin. 1,877,925 ; Sept. 20.
Tobacco pipe. H. M. McClure. 1,878,506 ; Sept. 20.
Tobacco pipe. A. Schulz. 1,839,505 ; Jan. 5.
Tobacco pipe. H. M. Shoemaker. 1,861,457 ; June 7.
Tobacco pipe. S. E. Svendsen. 1,890,703 ; Dec. 13.
Tobacco pipe, Smoking. E. W. Crocker. 1,875,422 ; Sept. 6.
Tobacco plant transplanter. O. E. Woodward. 1,858,318 ; May 17.
Tobacco press. A. F. Shields. 1,879,550 ; Sept. 27.
Tobacco press. H. L. Smith. 1,840,175 ; Jan. 5.
Tobacco products, Humidified package of. F. P. Levy. 1,843,514 ; Feb. 2.
Tobacco spreader. P. H. B. Stelzer. 1,869,395 ; Aug. 2.
Tobacco spreading device for cigarette machines. C. F. Röber. 1,868,026 ; July 19.
Tobacco, Steming and cleaning. C. G. Maxwell. 1,861,705 ; June 7.
Tobacco stemming and stripping machine. L. H. Seun. 1,879,651 ; Sept. 27.
Tobacco stemming machine. J. J. Caudle. 1,852,147–8 ; Apr. 5.
Tobacco stemming machine. C. W. Gooch, jr. 1,840,355 ; Jan. 12.
Tobacco stemming machine. C. W. Gooch, jr. 1,881,497 ; Oct. 11.
Tobacco stemming machine. R. L. Weisner. 1,849,776 ; Mar. 15.
Tobacco stemming machines, Leaf feeding attachment for. L. H. Zeun. 1,863,149 ; June 14.
Tobacco stripping and booking machine. H. A. Hinchcliff. 1,863,531 ; Jan. 19.
Tobacco, Treating. A. L. Chesley. 1,859,379 ; May 24.
Toe pad. E. D. Bolseller. 1,874,737 ; Aug. 30.
Toggle bolt. G. Gober. 1,878,579 ; Sept. 20.
Toggle fastening appliance for doors. R. L. Hewitt. 1,863,524 ; June 14.
Toggle for hide stretchers. H. L. Jorgensen. 1,848,726 ; Mar. 8.
Toggle switch. H. W. Batcheller. 1,888,444 ; Nov. 22.
Toggle switch. H. W. Batcheller. 1,888,445 ; Nov. 22.
Toggle switch. J. Wachter. 1,861,649 ; June 7.
Toilet : *See*—
Marine toilet.
Sanitary toilet.
Toilet. E. D. Bufmyer and O. Holstrom. 1,859,127 ; May 17.
Toilet accessories. W. Friedman. 1,858,215 ; May 10.
Toilet accessory. W. Friedman. 1,852,485 ; Apr. 5.
Toilet accessory. W. Friedman. 1,887,298–9 ; Nov. 8.
Toilet accessory. W. Leidel. 1,866,116 ; July 5.
Toilet article. E. Freed. 1,882,073 ; Oct. 11.
Toilet article. C. J. H. Mackenzie. 1,873,899 ; Aug. 23.
Toilet article and manufacturing the same. A. F. Lindewald. 1,849,139.
Toilet bowl ventilator, Automatic. C. M. Small, W. M. Sublette, and E. J. Boehmer. 1,840,539 ; Jan. 12.
Toilet, Collapsible. O. C. K. Hutchinson and L. M. Albright. 1,855,714 ; Apr. 26.
Toilet control apparatus for vehicles. L. A. Hurlburt. 1,845,277 ; Feb. 16.
Toilet device for vehicles. I. S. Kelley. 1,859,925 ; May 24.
Toilet flush, Sanitary. C. W. Jenkins and E. B. Bishop. 1,864,827 ; June 28.
Toilet implement. E. A. Lees. 1,863,449 ; June 14.
Toilet sand. W. Lohmann. 1,867,747 ; July 19.
Toilet seat. E. Klumpp. 1,881,681 ; Oct. 11.
Toilet seat. H. C. Leslie. 1,839,923 ; Jan. 5.
Toilet seat. A. I. McColl. 1,843,778 ; Feb. 2
Toilet seat, Concealed hinge. C. C. Campus. 1,882,274 ; Oct. 11.
Toilet tank cover and cabinet, Combination. J. H. Kelly 1,861,892 ; June 7.
Toilet ventilator. W. J. Connors. 1,887,498 ; Nov. 15.
Token depositary and account device. E. H. Thompson. 1,882,047 ; Oct. 11.
Tolerance zone on gauges. J. Hartness. 1,877,307 ; Sept 13.
Tomato juice, Producing. W. H. Gavin. 1,874,181 ; Aug. 30.
Tomato unwrapping machine. N. B. Janssen. 1,853,816 ; Apr. 12.
Tone clarifier. P. Jozsy. 1,841,189 ; Jan. 12.
Tone control apparatus, General. W. R. D'Alfonso. 1,858,486 ; May 17.
Tone of the string of a musical instrument, Device for changing the. J. A. Ryan. 1,883,410 ; Oct. 18.
Tone stabilizing. R. H. Ranger. 1,867,171 ; July 12.
Tone tubes with acoustic action for sound-recording and sound-reproducing apparatus. A. J. J. van Akkeren. 1,866,239 ; July 5.
Tong, Electric welding. C. E. Hall. 1,865,003 ; June 28.
Tong, Pipe. F. J. Kightlinger. 1,885,605 ; Nov. 1.
Tongs. G. F. Altice. 1,862,326 ; June 7.
Tongs. L. F. Baash and W. H. Maxwell. 1,845,389 ; Feb. 16.
Tongs. H. L. Blome. 1,843,660 ; Feb. 2.
Tongs. R. M. Kerr. 1,862,625 ; June 14.
Tongs. W. F. Martin. 1,857,925 ; May 10.
Tongs. S. E. McQuigg. 1,851,923 ; Mar. 29.
Tongs. J. A. Peterson and C. E. Olsen. 1,857,397 ; May 10.
Tongs. J. A. Peterson and C. E. Olsen. 1,867,889 ; July 19.
Tongs. T. P. Williams. 1,855,143 ; Apr. 19.
Tongs and poker and stove lid lifter, Combination fire. J. E. G. Geisel. 1,843,025 ; Jan. 26.
Tongs, Animal mouth. W. Ashton. 1,883,751 ; Oct. 18.
Tongs, Clinker. W. H. Engel. 1,857,841 ; May 10.
Tongs, Culinary spring. S. Speirs. 1,846,619 ; Feb. 23.
Tongs, Curling. G. Brodbeck and A. Rehm. 1,866,747 ; July 12.
Tongs, Curling. A. Rehm and E. Sachs. 1,849,154 ; Mar. 15.
Tongs, Curling. O. Selling. 1,839,998 ; Jan. 5.
Tongs, Deep sea. W. M. Johnson. 1,862,539 ; June 14.
Tongs for placing keepers on valve stems. J. Kaminski. 1,852,580 ; Apr. 5.
Tongs for splitting wood. H. Mattes. 1,840,044 ; Jan. 5.
Tongs for table service. O. C. Schaefer. 1,857,979 ; May 10.
Tongs, Furnace. J. Rogaczewicz. 1,882,934 ; Oct. 18.
Tongs in well drilling derricks, Device for handling. C. E. Wilcox. 1,842,225 ; Jan. 19.
Tongs, Lifting. M. R. Heppenstall. 1,839,389 ; Jan. 5.
Tongs, Lifting. A. Portmondo. 1,840,329 ; Jan. 12.
Tongs or pliers. O. Myers. 1,870,133 ; Aug. 2.
Tongs, Spinning. De W. Stone, sr., and W. B. Adkerson. 1,845,325 ; Apr. 26.
Tongue and mouth cleaner. L. L. Funk. 1,857,145 ; May 10.
Tongue hound, Adjustable. H. J. Heider. 1,855,236 ; Apr. 26.
Tongue switch. I. K. Dixon. 1,854,022 ; Apr. 12.
Tongue switch. I. B. Kimmel. 1,853,951 ; Apr. 12.
Toning bath for photographic prints. W. C. Nelson. 1,849,245 ; Mar. 15.
Tonsillectome. U. S. Smith. 1,859,412 ; May 24.
Tool. E. J. Carey. 1,885,895 ; Nov. 1.
Tool. A. de Schébéko. 1,854,116 ; Apr. 12.
Tool. D. Enninga. 1,886,940 ; Oct. 4.
Tool. H. E. Hill. 1,852,521 ; Apr. 5.
Tool. A. R. Kerr. 1,871,616 ; Aug. 16.
Tool. H. A. Koester. 1,877,768 ; Sept. 20.
Tool. G. W. Lane. 1,886,556 ; Nov. 1.
Tool. W. E. Phillips. 1,889,152 ; Nov. 29.
Tool. P. F. Reichhelm. 1,891,482 ; Dec. 20.
Tool. C. A. Rowley. 1,858,116 ; May 17.
Tool. P. O. Sampson. 1,839,805 ; Jan. 5
Tool. A. G. Steinmayer. 1,857,483 ; May 10.
Tool. H. Strand and R. D. Jackson. Re18,659 ; Nov. 15.
Tool. F. J. Vlchek. 1,841,688 ; Jan. 19.
Tool. J. Wagner and A. Humr. 1,884,421 ; Oct. 25.
Tool. E. Welhaven. 1,862,556 ; June 14.
Tool, Abrading. L. C. Beard. 1,874,856 ; Aug. 30.
Tool adapter. G. W. Emrick. 1,862,352 ; June 7.
Tool, Adjustable boring. W. E. Guldager. 1,881,523 ; Oct. 11.
Tool, Adjustable machine. R. M. Lovejoy. 1,839,569 ; Jan. 5.
Tool and constructing the same. R. R. Brooks. 1,885,679 ; Nov. 1.
Tool and die. W. Gray. 1,848,947 ; Mar. 8.
Tool and handle therefor, Power. C. B. Coates. 1,868,628 ; July 26.
Tool and holder, Boring. E. Gairing. 1,886,177 ; Nov. 1.
Tool and holder, Chamfering. H. R. Metz. 1,857,208 ; May 10.
Tool and power converting attachment therefor, Portable power driven. F. O. Paul. 1,864,549 ; June 28.
Tool and T-square for mechanics, Scribing. W. Lowe. 1,877,185 ; Sept. 13.
Tool, Animal marking. J. O. Ker. 1,851,672 ; Mar. 29.
Tool, Armature winding. S. N. Johnson. 1,842,832 ; Jan. 26.
Tool attachment device. E. A. Arp. 1,881,993 ; Oct. 11.
Tool, Automobile repair. G. A. Countryman. 1,850,073 ; Mar. 22.
Tool, Automobile service hand. L. T. Cole. 1,885,083 ; Oct. 25.
Tool, Battery. J. E. Bergman and F. P. Ego. 1,880,172 ; Sept. 27.
Tool, Battery. L. Fabian. 1,874,944 ; Aug. 30.
Tool, Battery. F. L. Howard. 1,847,762 ; Mar. 1.
Tool, Bending. G. W. Barnes. 1,846,933 ; Feb. 23.
Tool, Bending. C. Breer. 1,879,868–9 ; Sept. 27.
Tool, Bending. A. G. Marsh and A. Billek. 1,869,905 ; Aug. 2.
Tool, Bending and straightening. J. Griffin. 1,847,943 ; Mar. 1.
Tool, Body stripping. E. W. Fox and V. M. Dirkes. 1,842,750 ; Jan. 26.
Tool, Bolt-end spinning. L. M. Butler. 1,885,986 ; Nov. 1.
Tool, Boring. G. W. Mitchell, G. O. Shisler, and E. E. Myers. 1,856,579 ; May 3.
Tool, Boring and tapping. W. Birtel. 1,862,461 ; June 7.
Tool, Box stamping and drawing. F. Eisenlohr. 1,857,628 ; May 10.
Tool, Brake lining. E. H. Peterson and W. H. Odlum. 1,872,493 ; Aug. 16.
Tool, Brick mason's pointing. J. Darling. 1,851,497 ; Mar. 29.
Tool, Broaching. P. A. Williams. 1,880,623 ; Oct. 4.

Tool, Burr forming. R. T. Hosking. 1,843,675; Feb. 2.
Tool, Cable. K. W. Miller. 1,841,251; Jan. 12.
Tool, Cable cutting and skinning. J. A. Pedersen. 1,855,944; Nov. 1.
Tool, Cable splicing. E. J. De Right. 1,847,473; Mar. 1.
Tool, Cap setting. W. B. Thomas. 1,867,288; July 12.
Tool, Carpenter's. W. H. Wells. 1,890,273; Dec. 6.
Tool, Caulking. E. J. Murphy. 1,843,088; Mar. 1.
Tool, Chain tightening. L. J. Terrell. 1,839,715; Jan. 5.
Tool, Chamfering. A. P. Fail. 1,848,418; Mar. 8.
Tool, Channeling. E. Dunford. 1,877,231; Sept. 13.
Tool chuck. E. J. O'Flaherty. 1,839,252; Jan. 5.
Tool, Clip applying. J. Tiernan and F. J. Leibrock. 1,840,755; Jan. 12.
Tool, Combination. F. J. Alderson. 1,845,033; Feb. 16.
Tool, Combination. L. F. Baker. 1,843,755; Feb. 2.
Tool, Combination. S. H. Higginbotham. Des. 86,718; Apr. 12.
Tool, Combination. J. A. Lee. 1,882,288; Oct. 11.
Tool, Combination. J. Schutt. 1,840,315; Jan. 5.
Tool, Combination garden hand. C. A. Todd. 1,878,553; Sept. 20.
Tool, Commutator truing. G. M. Lintelmann. 1,881,410; Oct. 4.
Tool, Commutator undercutting. W. W. Haddican. 1,872,939; Aug. 23.
Tool compensating mechanism, Machine. H. Sidgreaves. 1,876,353; Sept. 6.
Tool, Composite thread restoring. O. Berner. 1,889,013; Nov. 29.
Tool controlling mechanism for machine tools. F. H. Bogart. 1,846,014; Feb. 23.
Tool, Convertible drilling. J. B. De Costa. 1,868,348; July 19.
Tool, Counterboring. E. Ostlind. 1,840,736; Jan. 12.
Tool, Crimping. S. Kenner. 1,853,002; Apr. 26.
Tool, Cultivating. D. Elder. 1,888,982; Nov. 29.
Tool, Cutting. J. J. Eyre. 1,880,951; Oct. 4.
Tool, Cutting. E. J. Fox. 1,866,067; June 28.
Tool, Cutting. J. B. Galbraith. 1,888,381; Nov. 22.
Tool, Cutting. T. F. Githens. 1,847,939; Mar. 1.
Tool, Cutting. W. Porter. 1,862,033; June 7.
Tool, Cutting. H. W. Porter. 1,874,616; Aug. 30.
Tool, Cutting. J. G. Schotthoefer. 1,840,852; Jan. 12.
Tool, Cutting. W. H. Shortell. 1,855,873; Apr. 26.
Tool, Cutting. L. Skeel. 1,854,602; Apr. 19.
Tool, Cutting. W. F. Stuckeman. 1,857,795; May 10.
Tool, Cutting or marking. M. C. Eldredge. 1,865,242; July 26.
Tool, Cutting or marking. R. C. Parks and M. C. Eldredge. 1,870,585; Aug. 9.
Tool, Cutting or threading. E. Lawrenz. 1,839,684; Jan. 5.
Tool, Cylinder finishing. O. A. Johnson and R. E. Lingren. 1,877,377; Aug. 2.
Tool, Cylinder hone or lapping. T. F. Quigley. 1,876,468; Sept. 6.
Tool, Decapping. W. E. Aeschbach and C. Wick. 1,841,270; Jan. 12.
Tool device, Electrically illuminated. A. L. Eliasoff. 1,842,471; Jan. 26.
Tool device, Fill. H. E. Grau and A. J. Colmerauer. 1,858,926; May 17.
Tool device, Power operated reciprocating. H. E. Pollard. 1,862,520; Jun. 7.
Tool, Diverting a well drilling. A. G. McCoy and B. W. Sunde. 1,851,319; Mar. 29.
Tool, Drafting. E. A. Whiffen. 1,877,375; Sept. 13.
Tool, Drawing. J. B. Dixon and W. S. Hayford. 1,845,077; Feb. 16.
Tool, Dressing. R. Andersson. 1,860,764; May 31.
Tool, Dressing. M. J. Walsh. 1,890,481; Dec. 13.
Tool, Drilling. M. A. Capeliuschnicoff. 1,877,225; Sept. 13.
Tool driven by an electric motor, Machine. W. Brasch. 1,842,009; Jan. 19.
Tool driving mechanism for tapping machines or the like. B. P. Schiltz. 1,868,721; July 26.
Tool, Earth boring. L. Strosnider. 1,862,068; June 7.
Tool, Electric. A. Oldenburg. 1,860,368; July 5.
Tool, Electric fender. N. Pesola. 1,858,169; May 10.
Tool, Electric welding. J. M. Larsen. 1,889,991; Dec. 6.
Tool, Engraving. R. Blanckertz. 1,850,655; Mar. 22.
Tool, Engraving. J. Ferrell. 1,855,850; Apr. 26.
Tool, Expansion boring. J. E. Kilzer. 1,881,665; Oct. 11.
Tool, Expansion joint. T. W. Quinn. 1,839,703; Jan. 5.
Tool extractor. O. A. Smith. 1,878,780; Sept. 13.
Tool, Facing. J. H. Williams. 1,884,460; Oct. 25.
Tool, Farm. H. Hull. 1,881,604; Oct. 11.
Tool feeding apparatus. H. C. Gustafson. 1,844,157; Feb.
Tool, Fence. T. Hansen. 1,855,960; Apr. 26.
Tool, Fence staple applying. L. E. Baringer. 1,848,763; Mar.
Tool, Fender. C. F. Greiner. 1,880,246; Oct. 4.
Tool, Fender. N. Pesola. 1,846,905; Feb. 23.
Tool, Finishing. A. H. Cousins. 1,871,880; Aug. 16.
Tool, Finishing. E. Hope. 1,891,985; Dec. 27.
Tool, Fire-fighting. F. W. Funke. 1,884,990; Oct. 25.
Tool, Fish unscrewing. R. A. Phillips. 1,885,623; Nov. 1.
Tool, Fishing. O. D. Nutter. 1,839,493; Jan. 5.
Tool, Fluid actuated. A. G. Slatcher. 1,862,637; June 14.
Tool, Fluid actuated percussive. C. C. Hansen. 1,846,804; Feb. 23.
Tool, Fluid operated. A. H. Katterjohn. 1,869,595; Aug. 2.
Tool, Fluid operated. G. C. Pearson. 1,852,724; Apr. 5.
Tool, Fluid operated. G. C. Pearson. 1,856,734; May 3.
Tool, Fluid operated. J. E. Renfer. 1,858,059; May 10.
Tool, Fluid operated. L. L. Richardson. 1,855,364; Apr. 26.
Tool, Fluid pressure. G. M. Nell. 1,854,856; Apr. 19.
Tool, Fluid pressure. G. M. Nell. 1,855,723; Apr. 26.
Tool, Fluid pressure. G. M. Nell. 1,871,726; Aug. 16.
Tool, Fluid pressure. E. W. Stevens. 1,860,964; May 31.
Tool, Fluid pressure. E. W. Stevens. 1,871,758; Aug. 16.
Tool, Flush valve repairing. J. B. White and M. T. Gossett. 1,880,615; Oct. 4.
Tool, Food working. W. F. Hackett. 1,859,298; May 24.
Tool for applying wire hose clamps. F. W. Gunn. 1,860,284; May 24.
Tool for attaching eye sets. A. Konoff. 1,849,352; Mar. 15.
Tool for automobile motor valve shoes, Placing. A. J. Doptis. 1,874,257; Aug. 30.
Tool for cutting grooves. C. H. Cleveland, C. A. Heine, and J. T. Allison. 1,858,852; May 17.
Tool for cutting stone. P. S. Legge. 1,878,414–15; Sept. 20.
Tool for demolition machines. W. V. Cornett. 1,891,222; Dec. 20.
Tool for dressing the grindstones in wood grinders. A. Elsenhans. 1,871,448; Aug. 16.
Tool for fastening sash weight cords. J. Reggitts. 1,881,995; Oct. 11.
Tool for flexible shafts, Reciprocatory hand. M. J. Farkas. 1,866,529; July 12.
Tool for fluid actuated machines. G. Rauberstrauch. 1,847,136; Mar. 1.
Tool for fluid actuated machines. J. E. Renfer. 1,882,906; Oct. 18.
Tool for forcing and drawing an element through conduits. J. W. Goodall. 1,880,431; Oct. 4.
Tool for forming tube connections. R. R. McKnight and A. Webber. 1,873,451; Aug. 23.
Tool for generating noninvolute gears and gear shaped articles, Cutting. E. Wildhaber. 1,892,091; Dec. 27.
Tool for giving a permanent wave to hair. A. M. Gay. 1,869,682; Aug. 2.
Tool for handling clamping members. W. W. McWilliams. 1,861,120; July 5.
Tool for helical springs, Spacing. G. C. Batz. 1,844,309; Feb. 9.
Tool for high tension transmission lines. Manipulating. W. D. Hamer, C. E. Chatfield and B. Mills. 1,875,376; Sept. 6.
Tool for inserting valve stems in inner tubes. F. J. Houck. 1,8853,356; Apr. 12.
Tool for installing brake springs. E. L. Chapman. 1,866,866; Feb. 2.
Tool for internal taper boring, Boring. E. Oyen. 1,878,175; Sept. 20.
Tool for lateral and angular drilling, Drilling. R. E. Lee. 1,886,820; Nov. 8.
Tool for laying shoe filler. A. Thoma. 1,883,104; Oct. 18.
Tool for laying shoe fillers. A. H. Avery. 1,882,729; Oct. 18.
Tool for lifting and compressing springs. H. A. Berkman. 1,846,469; Feb. 23.
Tool for making armatures. V. G. Apple. 1,857,176; May 10.
Tool for manufacturing armatures. A. W. Phelps. 1,840,739; Jan. 12.
Tool for manufacturing wire-tacks and nails. J. Wikschtröm. 1,860,564; May 31.
Tool for measuring camber of wheels and caster and kingpin tilt. C. H. Phelps. 1,889,490; Nov. 29.
Tool for oil-wells, Plumbing. C. Lamb. 1,860,932; May 31.
Tool for pipe joints, Seaming. A. G. Perkins. 1,839,255; Jan. 5.
Tool for placing and removing piston pins. W. W. Hartman. 1,845,529; Mar. 8.
Tool for pneumatic tires. H. A. Van Valkenburg. 1,888,894; Nov. 22.
Tool for primer cartridges, Punching. E. L. Bilheimer. 1,849,474; Mar. 15.
Tool for punching and shearing coal. Miner's. E. J. Nowicker. 1,853,318; May 17.
Tool for removing automobile tires from rims. J. Gray. 1,847,430; Mar. 1.
Tool for removing broken vehicle axles. P. L. Dunnan. 1,855,288; Apr. 26.
Tool for removing terminal clamps from storage battery binding posts. C. R. Cook. 1,890,369; Dec. 6.
Tool for removing threaded articles from a mold. B. F. Conner and W. F. Schmalz. 1,887,994; Nov. 15.
Tool for removing wheels from automobile axles. O. E. Hart. 1,869,687; Aug. 2.
Tool for sheet metal, Straightening. W. Garrett. 1,883,684; Oct. 18.
Tool for shoe nails, Cutting. I. Moskow. 1,845,434; Feb. 16.
Tool for shoe parts, Roughing. C. A. Robinson. 1,882,921; Oct. 18.
Tool for smoothing wooden surfaces. G. Staehle 1,853,470; Apr. 12.

Tool for surfacing and forming fibrous material. A. B. Johnson, 1,862,681; June 14.
Tool for tie elements, Adjusting. H. H. Lampert. 1,841,742; Jan. 19.
Tool for truing crank shafts. J. T. Crute. 1,876,621; Sept. 13.
Tool for use in assembling universal joints. H. J. Griffith. 1,854,736; Apr. 19.
Tool for use in preparing pipe ends for jointing. G. Croxford. 1,841,879; Jan. 19.
Tool for wave transmission apparatus, Percussion. W. R. Degenhardt. A. F. De Fraine, and R. H. Bicknell. 1,857,001; May 17.
Tool for wells, Sand testing. F. Hux. 1,855,914; Apr. 26.
Tool for wood turning lathes, Turning. A. J. Ames. 1,864,179; May 31.
Tool, Forming. W. S. Hayford and C. R. Moore. 1,871,321; Aug. 9.
Tool, Frame straightening. G. A. Countryman. 1,879,979; Sept. 27.
Tool, Framing. A. L. Wheeler. 1,852,277; Apr. 5.
Tool, Gauging. P. Rossi. 1,846,769; Feb. 23.
Tool, Gear cutting. E. D. Slade. 1,865,148; June 28.
Tool, Glass binding. F. Henry. 1,875,728; Sept. 6.
Tool, Globe valve reseating. A. D. Stout and H. F. McNally. 1,871,223; Aug. 9.
Tool, Governor controlled fluid pressure. R. H. King. 1,862,223; June 7.
Tool, Grease fitting. J. J. McGuckin. 1,867,372; July 12.
Tool, Grinding. L. M. Butler. 1,881,042; Oct. 4.
Tool, Grinding. J. E. Loewy. 1,885,119; Nov. 1.
Tool grinding machine. J. M. Doetsch. 1,878,385; Sept. 20.
Tool, Grinding wheel dresser. W. D. Bartlett and D. Kellogg. 1,852,639; Apr. 5.
Tool, Grooming. T. A. Suter. 1,878,345; Sept. 20.
Tool, Grooving. A. J. German. 1,890,052; Dec. 6.
Tool, Hair waving. C. M. Bosworth. 1,880,742; Oct. 4.
Tool head, Cutting. H. A. Dickinson. 1,880,878; Oct. 4.
Tool head, handle therefor, and handle attaching means. M. P. Lee. 1,851,111; Mar. 29.
Tool head retainer. A. Dorfman. 1,889,400; Nov. 29.
Tool heads, Hydraulic feed for machine. G. E. Hallenbeck. 1,846,391; Feb. 23.
Tool holder adapted to actor driven striking tools. E. G. Hysing and K. J. A. Johanson. 1,853,128; Apr. 12.
Tool holding device. A. Edson. 1,869,240; July 26.
Tool, Hydraulic forming. H. Vanderlip. 1,860,601; Oct. 4.
Tool, Hydraulically operated machine. R. A. Carlson. 1,890,405; Dec. 13.
Tool, Illuminating. C. C. Tomney. 1,868,778; July 26.
Tool, Impact. M. C. Huffman. 1,884,704; Oct. 25.
Tool, Impact. L. A. Schmidt. 1,841,553; Jan. 19.
Tool, Jarring. A. Akerson. 1,841,912; Jan. 19.
Tool, Jarring. I. J. McCullough. 1,848,525; Mar. 8.
Tool, Jarring. I. J. McCullough. 1,852,250; Apr. 5.
Tool joint. A. W. Everett. 1,849,423; Mar. 15.
Tool joint. E. E. Greve. 1,852,844; Apr. 5.
Tool joint, Double box rotary. G. A. Montgomery. 1,859,886; Dec. 6.
Tool joint, Drilling. B. L. Peterson. 1,855,363; Apr. 26.
Tool joint, Interior shoulder single piece. G. A. Montgomery. 1,859,885; Dec. 6.
Tool joint with lock ring sub, Weld lock rotary. E. Timbs. 1,859,809; May 24.
Tool lift for cultivators. A. E. Loomis. 1,869,159; July 26.
Tool, Machine. W. H. Bauch. 1,860,700; May 31.
Tool, Machine. C. Booth and F. S. Haas. 1,891,662; Dec. 20.
Tool, Machine. A. J. Calpha. 1,854,445; Apr. 19.
Tool, Machine. C. B. De Wig. 1,867,611; July 19.
Tool, Machine. S. Einstein and L. F. Nenninger. 1,845,865; Feb. 16.
Tool, Machine. A. L. Ellis. 1,868,697; July 26.
Tool, Machine. C. F. Forward. 1,873,376; Aug. 23.
Tool, Machine. W. J. F. Forward and R. R. Roberts. 1,873,375; Aug. 23.
Tool, Machine. W. F. Groene and H. J. Siekmann. Re18,662; Nov. 22.
Tool, Machine. F. S. Haas. 1,850,392; Mar. 22.
Tool, Machine. W. C. Heath. 1,851,810; Mar. 29.
Tool, Machine. E. J. Kearney. 1,866,259; July 5.
Tool, Machine. E. J. Kearney. 1,874,305; Aug. 30.
Tool, Machine. E. J. Kearney and J. B. Armitage. 1,870,692; Sept. 27.
Tool, Machine. E. E. Kelley. 1,892,239; Dec. 27.
Tool, Machine. J. E. Lovely. 1,865,527–8; July 5.
Tool, Machine. A. Oberhoffken. 1,879,436; Sept. 27.
Tool, Machine. E. J. Svenson. 1,883,084; Oct. 18.
Tool, Machine. A. Trosch. 1,848,914–15; Mar. 8.
Tool, Machine. H. F. Vickers. 1,883,166 Oct. 18
Tool, Manicure. H. R. Bynum. 1,888,218; Nov. 22.
Tool, Mason's and plasterer's. A. Applegate. 1,861,174; May 31.
Tool, Mechanical percussive. K. Hagge and A. Pfüger. 1,858,707; May 17.
Tool, Mechanically actuated reciprocating. C. H. Vidal. 1,842,302; Jan. 19.
Tool, Metal cutting. F. W. Curtis. 1,865,617; July 5.
Tool, Metal cutting. C. B. Gray. 1,874,036; Aug. 30.
Tool, Metal cutting. A. J. Kilmer. 1,855,971; Apr. 26.
Tool, Metal working. W. C. Sproul. 1,879,574; Sept. 27.
Tool, Mining. P. W. Hurley. 1,890,252; Oct. 4.
Tool, Mixing. J. T. Cessna, jr. 1,859,958; May 24.
Tool, Molding forming. A. R. Ketcham. 1,869,755; Aug. 2.
Tool, Mortising. H. T. Parker. 1,879,454; Sept. 27.
Tool, Multiple unit turret type machine. W. K. Millholland. 1,849,683; Mar. 15.
Tool, Nail holding. A. J. Smith. 1,867,928; July 19.
Tool, operating apparatus, Pneumatic. E. Curti. 1,867,254; July 12.
Tool or implement, Seed sowing. R. L. Scarlett. 1,867,532; July 12.
Tool, Packer and setting. C. M. Hatcher. 1,839,310; Jan. 5.
Tool, Packing. V. Jefferis. 1,850,459; Mar. 22.
Tool, Percussive. L. C. Bayles. 1,881,258; Oct. 4.
Tool, Percussive. J. J. Flint. 1,847,083; Mar. 1.
Tool, Percussive. F. M. Sisco. 1,874,372; Aug. 30.
Tool, Pin and bushing removing. P. T. Bynum. 1,861,079; May 31.
Tool, Pipe bending. L. Grimes. 1,879,199; Sept. 27.
Tool, Pipe cleaning. L. E. Robinson. 1,845,442; Feb. 16.
Tool, Pipe cutting. R. O. Pickin. 1,889,321; Nov. 29.
Tool, Pipe finishing. W. H. Voight. 1,859,748; May 24.
Tool, Pipe handling. J. H. Owens. 1,887,889; Nov. 15.
Tool, Pipe swaging. C. A. Pippin. 1,846,437; Feb. 23.
Tool, Piston cleaning. C. Kiely. 1,884,926; Nov. 8.
Tool, Piston gripping. E. H. W. Becker. 1,842,142; Jan. 19.
Tool, Piston ring compressing. C. O. Younce. 1,874,731; Aug. 30.
Tool, Plank fitter. A. R. DeWitt. 1,885,087; Oct. 25.
Tool, Plug cutting. W. H. Voight. 1,859,747; May 24.
Tool, Pneumatic. N. B. McKeagan. 1,847,843; Mar. 1.
Tool, Pneumatic. W. W. Price and C. W. Ripsch. 1,860,872; May 31.
Tool, Pneumatic. J. E. Renfer. 1,874,063; Aug. 30.
Tool, Pneumatic. F. M. Slater. 1,860,628; May 31.
Tool, Pneumatic. F. H. Thomas. 1,846,372; Feb. 23.
Tool, Pneumatically actuated percussive. J. Köhlen. 1,854,656; Apr. 19.
Tool, Pneumatically or hydraulically actuated. O. Selzer. 1,841,217; Jan. 12.
Tool, Polishing. D. R. Johnston. 1,869,564; Aug. 2.
Tool, Polishing. R. M. Kincaid. 1,885,165; Jan. 5.
Tool, Polishing. W. H. Price. 1,846,163; Feb. 23.
Tool, Polishing and sanding. E. Kelley. 1,855,685; Apr. 26.
Tool, Portable. A. H. Collins. 1,847,863; Mar. 1.
Tool, Portable. R. E. Cross. 1,884,584; Oct. 25.
Tool, Portable. J. R. Hoffman. 1,864,019; June 21.
Tool, Portable cutting. J. Eyre and H. W. Porter. 1,882,790; Oct. 18.
Tool, Portable cutting. B. R. Ramey. 1,858,459; May 17.
Tool, Portable surface cleaning. F. E. Aurand. 1,874,220; Aug. 30.
Tool, Portable universal power. W. L. Hodeaux. 1,852,776; Apr. 5.
Tool, Positioning. H. W. Kulp and M. C. Dellinger. 1,850,268; Mar. 22.
Tool post. R. Von Frommer. 1,867,482; July 12.
Tool, Power. E. L. Connell. 1,876,616; Sept. 13.
Tool, Power. W. L. Hodeaux. 1,886,952; Nov. 8.
Tool, Power driven mechanic's hand. E. Moll. 1,883,392; Oct. 18.
Tool, Pressure fluid. A. Pendersen. 1,864,027; June 21.
Tool reams, Back brace for machine. R. T. Hazelton. 1,843,362; Feb. 2.
Tool, Reaming and burnishing. H. W. Zimmerman. 1,853,285; Oct. 18.
Tool, Reciprocating. A. Wyzenbeek. 1,871,020; Aug. 9.
Tool, Re-loading. G. F. Zimmerman. 1,864,880; June 28.
Tool rest. L. M. Endres. 1,886,538; Nov. 8.
Tool, Resurfacing. N. B. Stone. 1,862,810; June 14.
Tool retainer. C. A. Birkebak. 1,858,476; May 17.
Tool retainer, Drill. G. Rauberstrauch. 1,872,499; Aug. 16.
Tool retaining means, Pneumatic. J. L. Moran and A. J. Lee. 1,865,439; July 5.
Tool, Rim. J. L. Chance. 1,888,619; Nov. 22.
Tool, Rim. J. H. Wagenhorst. 1,886,611; Nov. 8.
Tool, Rim tire. B. F. Renn. 1,863,876; June 21.
Tool, Riveting. H. Juniers. 1,860,102; Jan. 5.
Tool, Rotary. D. B. Miller. 1,855,456; Apr. 26.
Tool, Rotary drilling. C. B. Kennedye. 1,869,969; Aug. 2.
Tool, Rotary expansion drilling. J. Charlton. 1,858,263; May 17.
Tool, Rotary power driven. H. J. Youngblood. 1,878,747; Sept. 20.
Tool, Rotary well drilling. C. B. Kennedye. Re18,434; Apr. 19.
Tool, Routing, milling, and other machine. G. Gorton. 1,862,052; June 7.
Tool, Sandwich. A. F. Sibley. 1,848,030; Mar. 1.
Tool, Screw cutting. J. A. Arenz. 1,886,240; Nov. 1.
Tool, Setting. M. Christensen. 1,879,083; Sept. 27.

Tool, Setting. L. A. Layne and A. L. Roco. 1,870,779; Aug. 9.
Tool, Setting. D. H. Reed. 1,878,538; Sept. 20.
Tool, Sewer pipe cleaning. I. W. Pence. 1,860,395; May 31.
Tool slide and actuating mechanism therefor. E. R. Smith and A. Schinkey. 1,856,196; May 3.
Tool, Socket clearing and removing. J. J. McGuckin. 1,862,273; June 7.
Tool, Sod cutting. W. J. Aberle. 1,866,073; July 5.
Tool, Splicing. H. O. Royer. 1,843,838; Feb. 2.
Tool, Spring. V. S. Hansen. 1,872,579; Aug. 16.
Tool, Spring compressing. L. R. Klingler and C. E. Coffee. 1,861,445; June 7.
Tool, Spring compressing. O. G. Stark. 1,852,863; Apr. 5.
Tool, Spring installation. C. Anderson. 1,889,167; Nov. 29.
Tool, Spring spreading. I. O. Grant. 1,881,050; Oct. 4.
Tool, stand. J. E. Bales. 1,854,777; Apr. 19.
Tool, Striking. E. G. Hysing. 1,856,336; May 3.
Tool structure, Machine. H. Fritschi. 1,864,129; June 21.
Tool structure, Machine. F. A. Parsons. 1,886,833; Nov. 8.
Tool, Sucker rod fishing. W. A. O'Bannon. 1,869,861; Aug. 2.
Tool supporting and operating fixture. H. W. Zimmerman. 1,845,069; Feb. 16.
Tool, Surfacing. G. W. Black. 1,846,180; Feb. 23.
Tool, Tap, drill, and similar. G. W. Emrick. 1,862,337; June 7.
Tool, Tappet adjusting. W. Boynton. 1,885,579; Nov. 1.
Tool, Thread cutting. R. Thomson. 1,846,408; Feb. 23.
Tool, Thread cutting. R. Thomson. 1,846,501; Feb. 23.
Tool, Threading. J. Lamond. 1,881,281; Oct. 4.
Tool, Tire. F. M. Gabler. 1,869,244; July 26.
Tool, Tire. G. W. Grebenstein. 1,867,404; July 12.
Tool, Tire. C. W. Linde. 1,858,098; May 10.
Tool, Tire. C. D. Smith. 1,851,259; Apr. 26.
Tool, Tire building. N. L. Warner. Re18,394; Mar. 22.
Tool, Tire grooving. A. Perrenot. 1,854,312; Apr. 19.
Tool, Tire pressure measuring. L. S. Morse. 1,860,588; May 31.
Tool, Tire rim. V. Barrows and F. D. Marsh. 1,847,164; Mar. 1.
Tool, Transplanting. H. J. Rissl. 1,859,603; May 24.
Tool, Trap setter. A. Olson. 1,888,200; Nov. 15.
Tool, Tube-straightening-and-sizing. E. S. Cornell, jr. 1,889,775; Dec. 6.
Tool, Tube-working. B. H. Smith. 1,888,243; Nov. 22.
Tool, Under pressure faucet and valve. A. J. Downer. 1,885,593; Nov. 1.
Tool, Undercutting. F. C. Farmer. 1,843,667; Feb. 2.
Tool, Upholsterer's. R. F. Walters. 1,867,041; July 12.
Tool, Vacuum cleaner floor. J. E. Leonard. 1,856,875; May 3.
Tool, Valve. B. B. Brown. 1,862,465; June 7.
Tool, Valve. C. L. Harris, jr., and C. H. Salstrom. 1,875,595; Sept. 6.
Tool, Valve. J. H. Mindermann and F. Hobler. 1,861,973; June 7.
Tool, Valve lifting. O. G. Stark. 1,852,794; Apr. 5.
Tool, Valve re-seating. L. S. Davis. 1,841,938; Jan. 19.
Tool, Valve reseating. H. G. Miller. 1,846,890; Feb. 23.
Tool, Valve reseating. R. A. Stougaard. 1,843,181; Feb. 2.
Tool, Valve reseating. J. Tekavec. 1,857,090; May 3.
Tool, Valve seat boring. F. O. Albertson. 1,882,689; Oct. 18.
Tool, Valve spring lock. W. Falwell. 1,891,803; Dec. 20.
Tool, Valve stem bending. J. C. Crowley. 1,889,239; Nov. 29.
Tool, Weeding. J. E. Lee. 1,886,560; Nov. 8.
Tool, Welding. C. J. Holslag and F. B. Swankhous. 1,850,172; Mar. 22.
Tool, Well drilling. C. W. Metzger. 1,886,570; Nov. 8.
Tool, Well fishing. W. Oberle. 1,876,339; Sept. 6.
Tool, Wire joining. Q. W. Boese6. 1,871,029; Aug. 9.
Tool, Wire splicing. W. D. Stetson. 1,877,076; Sept. 13.
Tool, Wire stripping. A. Lund. 1,857,731; May 10.
Tool, Wire tier. J. G. Worsham. 1,845,951; Feb. 16.
Tool, Wire tying. A. L. Goldenrath. 1,861,308; May 31.
Tool, Woodworking. A. R. Mohns. 1,892,246; Dec. 27.
Tools, Angle piece for dental boring, milling, and grinding. A. Kaltenbach and R. Voigt. 1,855,970; Apr. 26.
Tools, Attachment for. G. E. Showers. 1,877,699; Sept. 13.
Tools, Automatic reverse for threading. H. W. Rupple. 1,877,052; Sept. 13.
Tools by welding, Repairing. O. E. Andrus. 1,867,845; July 12.
Tools, Chip remover and water and dust seal for machine. E. H. Johnson. 1,864,307; June 21.
Tools, Compensating mechanism for machine. H. Sidgreaves. 1,876,352; Sept. 6.
Tools, Counterbalancing device for machine. K. H. Conley. 1,861,954; June 7.
Tools, dies, and the like and resultant product, Preparing wearing surfaces for. A. F. Fifield. 1,864,590; June 28.
Tools driven by flexible shafts, Handle of. G. R. Hook. 1,849,427; Mar. 15.
Tools, Earth boring. C. E. Reed. 1,889,216; Nov. 29.
Tools, Expanding device for grinding. T. F. Quigley. 1,839,261; Jan. 5.
Tools, Feed mechanism for machine. H. L. Rambo, T. Addison, and G. Langen. 1,842,425; Jan. 26.
Tools, Hand piece for dental. D. H. Brumm. 1,875,559; Sept. 6.
Tools, Hydraulic operating system for machine. J. J. N. Van Hamersveld. 1,884,985; Oct. 25.
Tools, implements and the like, Cutting and forming. J. V. Emmons. 1,887,372; Nov. 8.
Tools, Lubrication of. E. Pemberthy. 1,845,933; Feb. 16.
Tools, Machine. B. P. Schlitz. 1,879,531; Sept. 27.
Tools, Making valve seat finishing. F. O. Albertson. 1,882,692; Oct. 18.
Tools, Producing metal working. L. B. Monosmith. 1,867,021; July 12.
Tools to holders, Attaching. M. D. Holcomb. 1,856,706; May 3.
Tools, Work feed for machine. P. S. Jackson. 1,843,365; Feb. 2.
Tools, Work-rotating structure for machine. H. L. Flather. 1,891,923; Dec. 27.
Tooth and backing therefor, Artificial. S. Myerson. 1,849,686; Mar. 15.
Tooth and supporting means therefor, Artificial. N. R. Lourie. 1,882,511; Oct. 11.
Tooth, Artificial. J. F. Caldwell. 1,869,047; July 26.
Tooth, Artificial. J. F. Caldwell. 1,872,071; Aug. 16.
Tooth, Artificial. C. Hinterbrandt. 1,878,517; Sept. 20.
Tooth, Artificial. A. Merk. 1,859,453; May 24.
Tooth, Artificial. C. L. Morris. 1,850,889; Mar. 22.
Tooth, Artificial. F. S. Trusler. 1,846,286; Feb. 23.
Tooth, Artificial. F. S. Trusler. 1,889,201; Nov. 29.
Toothbrush. H. D. Bell. 1,859,425; May 24.
Toothbrush. H. D. Bell. 1,887,915; Nov. 15.
Toothbrush. F. Brown. 1,849,484; Mar. 12.
Toothbrush. G. P. Clifford. 1,840,384; Jan. 12.
Toothbrush. R. G. Cooke. 1,860,924; May 31.
Toothbrush. J. H. Costenbader. 1,859,129; May 17.
Toothbrush. E. Doll. 1,874,467; Aug. 30.
Toothbrush. J. R. Frank. 1,853,854; Apr. 12.
Toothbrush. D. Gabriel. 1,853,572; Apr. 26.
Toothbrush. B. J. Herget. 1,862,141–2; June 7.
Toothbrush. E. G. Johnson. 1,861,347; May 31.
Toothbrush. G. J. Kocan. 1,854,264; Apr. 19.
Toothbrush. E. M. McNally. 1,875,475; Sept. 6.
Toothbrush. P. S. Newman. 1,840,246; Jan. 5.
Toothbrush. E. J. Pletzke and J. J. Sharpe. 1,844,596; Feb. 9.
Toothbrush. W. R. Reese. 1,868,368; July 19.
Toothbrush. K. Ruetz. 1,852,480; Apr. 5.
Toothbrush. R. Schwerin. 1,850,810; Mar. 22.
Toothbrush. H. L. Trimble. 1,860,011; May 31.
Toothbrush. W. C. White and W. D. McCray. 1,869,991; Aug. 2.
Tooth brush and paste holder, Combination. J. Harrison. 1,844,036; Feb. 9.
Toothbrush, Electric. C. B. Lieux. 1,860,894; May 31.
Toothbrush, Removable head. E. M. McNally. 1,875,476; Sept. 6.
Toothbrush, Rotary. C. W. Riggall, jr. 1,854,626; Apr. 19.
Toothbrush trimming machine. W. J. Neely. 1,873,660; Aug. 23.
Tooth cleaner. J. Zrna. 1,882,204; Oct. 11.
Tooth cleaner and polisher. H. R. Priest. 1,841,761; Jan. 19.
Tooth cleaner and polisher. H. R. Priest. 1,848,543; Mar. 8.
Tooth cleaning and polishing element. H. R. Priest. 1,847,495; Mar. 1.
Tooth cleaning and polishing element. H. R. Priest. 1,889,495; Nov. 29.
Tooth crowns, Sizing. F. O. Jaques. 1,876,950; Sept. 13.
Tooth formation and arrangement for rotary drilling. C. E. Reed. 1,871,736; Aug. 16.
Tooth mold. C. E. Becker. 1,846,012; Feb. 23.
Tooth paste. G. H. Heymann. 1,863,116; June 14.
Tooth point construction. J. W. Page. 1,868,247; July 19.
Tooth, Porcelain root. E. P. Shaw. 1,890,132; Dec. 6.
Tooth, Scarifying. A. B. Wilson. 1,859,350; May 24.
Tooth spray device. W. P. Gollwitzer. 1,848,621; Mar. 8.
Tooth straightening appliance. H. Levin. 1,849,843; Mar. 15.
Top. E. Oram. 1,858,639; May 17.
Top. J. H. Wily. 1,872,203; Aug. 16.
Top, Automobile. D. E. Graham. 1,888,121; Nov. 15.
Top, Automobile. H. E. Kaplan and B. L. Bouer. 1,860,463; May 31.
Top comb motion. F. L. Crockett. 1,889,435; Nov. 29.
Top, Drawing board. W. H. Long. 1,853,065; Apr. 12.
Top dressing machine. E. M. Ailing. 1,859,625; May 24.
Top, Electrical. L. L. Sheneman. 1,856,514; May 3.
Top feeding mechanism. C. W. Mueller. 1,857,692; May 10.
Top for a game table or similar article. N. Robin. Des. 88,441; Nov. 29.
Top for automobiles, Removable sport. C. L. Cappel. Des. 86,107; Feb. 2.
Top for cooking vessels. H. W. Robinson. 1,852,628; Apr. 5.
Top for desks and the like, Extension. D. E. Hunter. 1,849,092; Mar. 15.

Top for ingot molds, Hot. W. H. Haws. 1,850,060; Mar. 15.
Top for jars, Sealing. D. A. Jenkins. 1,840,673; Jan. 12.
Top for rumble seat, Self-folding. P. C. Garrison. 1,889,827; Dec. 6.
Top for rumble seats, Folding. R. A. Moss, H. B. Riddell, and T. A. Petty. 1,852,467; Apr. 5.
Top for rumble seats of automobiles. E. H. Benn. 1,889,430; Nov. 29.
Top for rumble seats of automobiles. E. H. Benn. 1,889,532–3; Nov. 29.
Top for rumble seats of automobiles. E. H. Benn. 1,891,040; Dec. 13.
Top for rumble seats of motor vehicles, Detachable. E. B. Bradley. 1,878,461; Sept. 20.
Top for stoves, Hinged. W. F. Rogers. 1,869,393; Aug. 2.
Top for table stoves, Disappearing cooking. A. G. Arndt. 1,862,452; June 7.
Top for vessels, Collapsible. J. M. Richardson. 1,851,523; Mar. 29.
Top frame and grid construction for open-top gas ranges. T. E. Taylor. 1,872,019; Aug. 16.
Top, Milk bottle. T. P. Duncan, jr. 1,840,889; Jan. 12.
Top, Rumble seat. W. H. Oden. 1,855,410; Apr. 26.
Top, Sliding desk. E. Ohnstrand. 1,877,775; Sept. 20.
Top spinner. J. M. Murphree. 1,890,043; Dec. 6.
Top, Spinning. T. A. Marmito. 1,849,680; Nov. 29.
Top, Spinning. W. W. McCall. 1,864,843; June 28.
Top-spinning handle. P. Melyan. 1,880,145; Sept. 27.
Top spinning holder. G. Ritrossa. 1,866,486; July 5.
Top surface of concrete and the like and forming the same. N. C. Johnson. 1,857,511; May 10.
Topper and harvester, Beet. F. M. Davis. 1,877,278; Sept. 13.
Topper, Sugar beet. F. Maryott. 1,875,072; Aug. 30.
Tops for tables, Adjustable. L. Perloff. 1,884,101; Oct. 25.
Tops on underground valve boxes, Method of and apparatus for forming new. H. A. Helling. 1,852,928; Apr. 5.
Torch. F. S. Griffin. 1,869,250; July 26.
Torch. Mott and G. G. Spencer. 1,879,631; Sept. 27.
Torch. M. M. Schwarzkopf. 1,858,526; May 17.
Torch. R. Thomas. 1,875,361; Sept. 6.
Torch apparatus. Multiple cutting. R. F. Helmkamp. 1,869,848; Aug. 2.
Torch, Blow. C. G. Filzer. 1,846,387; Feb. 23.
Torch, Compressed air and gas blow. J. F. Kreld. 1,851,892; Mar. 29.
Torch, Cutting. J. D. McCutcheon. 1,860,046; May 24.
Torch cutting machine. J. L. Anderson. 1,853,026; Apr. 12.
Torch cutting machine. J. L. Anderson. 1,866,695; July 12.
Torch cutting machine. J. L. Anderson. 1,867,047; July 12.
Torch device. J. J. Crowe. 1,860,347; May 31.
Torch, Electric. C. Flamm. 1,851,503; Mar. 29.
Torch, Fuel oil. A. Manning. 1,880,966; Oct. 4.
Torch head. H. W. Jones. 1,856,560; May 3.
Torch, Heating. L. Hammon. 1,865,905; July 5.
Torch machine, Cutting. J. L. Anderson. 1,869,836; Aug. 2.
Torch or lamp. R. A. Currie. 1,841,364; Jan. 19.
Torch, Oxy-acetylene. A. F. Jenkins. 1,869,215; July 26.
Torch, Plumber's hand. H. F. Pagel. 1,849,110; Mar. 15.
Torch, Safety adjustable cutting. T. S. Taylor. 1,851,377; Mar. 29.
Torch, Self lighting acetylene. J. C. Roach. 1,851,263; Mar. 29.
Torch structure, Cutting. C. J. Coberly. 1,872,408; Aug. 16.
Torch support, Pipe cutting. D. W. Hickey. 1,852,413; Apr. 5.
Torch tip. C. J. Coberly. 1,872,409; Aug. 16.
Torch tip with deflectors. C. J. Coberly. 1,872,619; Aug. 16.
Torch, Underwater cutting. J. Lind. 1,842,454; Jan. 26.
Torch, Welding. H. V. May. 1,869,341; July 26.
Torch, Welding. S. R. Oldham and L. W. Young. 1,891,442; Dec. 20.
Torch, Welding. H. W. Tobey. 1,869,328; July 26.
Torch, Welding and cutting. J. H. Browning. 1,879,789; Sept. 27.
Torchère. G. Goldberg. Des. 86,021; Jan. 19
Torches, Diverging jet cutting tip for cutting. C. J. Coberly. 1,839,046; Jan. 5.
Torches, Preventing popping of. C. Mott and G. G. Spencer. 1,865,033; June 28.
Torpedo. J. H. Hammond, jr. 1,857,150; May 10.
Torpedo, Echo. J. H. Hammond, jr. 1,892,431; Dec. 27.
Torpedo for shooting oil wells. M. D. Mitchell. 1,865,874; July 5.
Torpedo, Oil well. W. R. Murrow. 1,884,125; Oct. 25.
Torpedo, Railway. H. E. Sherman. 1,861,724; June 7.
Torpedo, Railway signal. F. Dutcher. 1,843,215; Feb. 2.
Torpedo, Railway signal. F. Dutcher. 1,843,811; Feb. 2.
Torpedo shell. A. G. Stoops. 1,855,495; Apr. 26.
Torpedo stabilization. J. H. Hammond, jr. 1,855,349; Apr. 26.
Torpedo, Tail. J. H. Hammond, jr. 1,865,101; June 28.
Torpedoes, System for predirecting. A. D. Trenor. 1,850,087; Mar. 22.
Torpedoes, System for predirecting. A. D. Trenor. 1,850,336; Mar. 22.
Torque converter, Hydraulic. J. Bossart. 1,877,796; Sept. 20.
Torque, Converting and transmitting. A. Democratis. 1,882,181; Oct. 11.
Torque dynamometer. A. S. Mackenzie. 1,857,688; May 10.
Torque-measuring instrument. F. Seewald and H. Ebert. 1,869,513; Aug. 2.
Torque mechanism, Oscillatory and unidirectional. H. B. Chalmers. 1,860,383; May 31.
Torsion and coupling controlling device. G. A. Montgomery. 1,846,348; Feb. 23.
Torsion balance. L. W. Blau. 1,861,229; May 31.
Torsion balance and the like. H. Shaw and C. L. Jones. 1,843,342; Feb. 2.
Torsion meter. L. G. P. Thring. 1,881,301; Oct. 4.
Torsion released die. E. T. Bysshe and R. R. Finn. 1,858,390; May 17.
Total taking device. C. Campbell. Re18,611; Oct. 4.
Total taking mechanism. G. F. Daly. 1,861,956; June 7.
Totaling device. H. R. Cool. 1,883,765; Oct. 18.
Totalizer and printing means therefor. A. S. Wheelbarger and G. C. Coll. 1,876,118; Sept. 6.
Totalizer, Demand. G. G. Waite. 1,872,370; Aug. 16.
Tote box. H. P. Shriver. 1,845,202; Feb. 16.
Toupee. P. H. Westmore. 1,845,380; Feb. 16.
Tourniquet. H. S. Jones. 1,870,052; Aug. 2.
Tourniquet, Blood pressure. J. Plesch. 1,857,567; May 10.
Tourist house. O. H. Peck. 1,861,548; June 7.
Tow bar. T. M. Loveridge. 1,845,611; Feb. 16.
Towel and making the same, Detergent. E. W. Washburn. 1,868,862; July 26.
Towel bundling machine. J. H. Addler. 1,880,227; Oct. 4.
Towel or analogous article. P. A. Wooster. Des. 86,653; Mar. 29.
Towel rack. K. H. Whitney. 1,859,945; May 24.
Towel service apparatus. S. A. Schwartz. 1,859,937; May 24.
Towel service apparatus. S. A. Schwartz. 1,860,206; May 24.
Tower. J. H. Mosel and J. H. Sangerr. 1,854,755; Apr. 19.
Tower. N. B. Obbard. 1,859,152; May 17.
Tower and process, Self-supporting dam building. C. A. Budnik. 1,876,040; Sept. 6.
Tower, Atmospheric cooling. G. T. Martin. 1,874,020; Aug. 30.
Tower construction. B. A. Morton. 1,853,631; Apr. 12.
Tower, Cooling. E. Burkhardt. 1,857,351; May 10.
Tower, Cooling. D. K. Dean and E. L. Calloon. 1,844,313; Feb. 9.
Tower, Cooling. L. T. Mart. 1,855,526; Apr. 26.
Tower, Drying. L. Gillett. 1,862,746; June 14.
Tower, Dual element cooling. N. O. Fleming. 1,864,898; June 28.
Tower extension, Short leg. C. M. Goodrich. 1,858,925; May 17.
Tower for elevating construction materials. A. T. Scannell. 1,853,085–6; Apr. 12.
Tower, Fractionating. C. M. Corbett. 1,848,462; Mar. 8.
Tower, Fractionating. E. C. D'Yarmett. 1,888,872; Nov. 22.
Tower having insulating sections with protecting gaps or resistance, Transmission. A. O. Austin. 1,847,421; Mar. 1.
Tower, Knockdown structural elevator. M. B. Schiller. 1,859,894; May 24.
Tower, Tray construction for bubble. J. S. Wallis. 1,882,104; Oct. 11.
Towing device. C. G. Williamson. 1,845,859; Feb. 16.
Towing device for trawl nets. J. B. J. A. Vigneron. 1,880,059; Sept. 27.
Toy. F. Anderson. 1,864,227; June 21.
Toy. E. N. Anketell. 1,863,320; June 14.
Toy. S. I. Berger. 1,855,702; Apr. 26.
Toy. J. Blackburn. 1,866,697; July 12.
Toy. G. W. Blank. 1,844,713; Feb. 9.
Toy. M. Borden. 1,886,285; Nov. 8.
Toy. A. Daubendiek. 1,868,313; July 19.
Toy. C. A. Diederichs. 1,874,087; Aug. 30.
Toy. L. Doremus. 1,877,626; Sept. 20.
Toy. P. Esser. 1,841,098; Jan. 12.
Toy. W. T. Feild. 1,845,703; Feb. 16.
Toy. A. Feiardo. 1,853,149; May 10.
Toy. G. D. Frederick. 1,850,927; Mar. 22.
Toy. W. J. Gallagher. Re18,320; Jan. 5.
Toy. C. A. Grosvenor. 1,852,300; Apr. 5.
Toy. A. Hajdu. 1,882,822; Oct. 18.
Toy. E. L. Hewitt. 1,882,595; Oct. 11.
Toy. T. D. Holmes. 1,890,944; Dec. 13.
Toy. G. E. Johnson. 1,853,284; Apr. 12.
Toy. W. Klinge. 1,862,150; June 7.
Toy. L. Marx. 1,845,613; Feb. 16.
Toy. C. A. McPherson. 1,877,680; Sept. 13.
Toy. G. Myers. 1,874,792; Aug. 30.
Toy. C. M. Peterson. Des. 86,405–6; Mar. 1.
Toy. F. T. Pino. 1,839,700; Jan. 5.
Toy. A. Reihing. 1,870,752; Aug. 9.
Toy. L. I. Rivard. 1,857,976; May 10.
Toy. A. B. Rode. 1,863,167; June 14.

Toy. A. C. Smith. 1,886,130; Nov. 1.
Toy. R. G. Smith. 1,887,823; Nov. 15.
Toy. J. Q. Sherman. 1,860,627; May 31.
Toy. W. E. Sperry. 1,887,791; Nov. 15.
Toy. A. Wesberg. 1,846,323; Feb. 23.
Toy. M. Wiefelspütz. 1,855,005; Apr. 19.
Toy. D. S. Williams. 1,872,544; Aug. 16.
Toy. B. F. Wuppen. 1,883,263; Oct. 18.
Toy. W. O. Yancey. 1,892,561; Dec. 27.
Toy, Acrobatic. T. S. Lewis. 1,848,257; Mar. 8.
Toy, Aerial. S. S. Adams. 1,858,535; May 17.
Toy, Aerial. M. C. Ranseen. 1,858,460; May 17.
Toy, Aerial. W. and C. C. Shippee. 1,867,714; July 19.
Toy, Aerial. A. H. Yost. 1,890,759; Dec. 13.
Toy, Aeroplane. J. Eslinger. 1,853,204; Apr. 12.
Toy aeroplane. L. Marx. 1,853,567; Apr. 12.
Toy aeroplane. A. V. Pasley. 1,868,429; July 19.
Toy aeroplane. W. Rigby. Des. 87,729; Sept. 6.
Toy aeroplane. G. Vlahov. 1,852,340; Apr. 5.
Toy aeroplane bank. A. Pull. 1,889,982; Dec. 6.
Toy aircraft. G. Boehme. 1,877,120; Sept. 13.
Toy airplane. T. F. Scott. 1,880,501; Oct. 4.
Toy airplane. M. M. Sleeper. 1,853,405; May 24.
Toy airplane. A. P. Wolff. 1,855,535; Apr. 26.
Toy airplane or the like. J. M. H. Jacoba. 1,852,307; Apr. 5.
Toy, Ambulatory. F. Breuer. 1,847,052; Feb. 23.
Toy and game, Combined. A. Ensley. 1,883,651; Oct. 18.
Toy and the like. E. R. Case. 1,856,538; May 3.
Toy animal. Apfell. Des. 87,325; July 12.
Toy, Animal-like pull. A. Parton. 1,849,533; Mar. 15.
Toy automobiles, Lighting system for. H. T. Kingsbury. 1,860,251; May 24.
Toy balloon. P. E. Collette. Des. 86,219; Feb. 16.
Toy balloon. W. E. Gardner. Des. 87,663; Aug. 30.
Toy boat. A. M. Dreyfoer. 1,857,040; May 3.
Toy boat. Automatically controlled. H. I. Hohlt. 1,841,443; Jan. 19.
Toy bone. S. Brown. 1,844,816; Feb. 9.
Toy building. C. L. Stephenson. Des. 87,603; Aug. 16.
Toy building block. T. Howard. 1,882,607; Oct. 11.
Toy building brick. H. Fensingl. 1,844,995; June 21.
Toy building construction. E. C. Breeser. 1,878,373; Sept. 20.
Toy building unit. E. K. Wolfe. 1,870,978; Aug. 9.
Toy cabinet. H. M. Fancher. 1,890,846; Dec. 13.
Toy cabinet. J. Lotto. Des. 87,881; Oct. 4.
Toy cannon. J. W. MacDonald. 1,893,062; June 14.
Toy cannon. W. Rigby. 1,854,589; Apr. 19.
Toy car. C. A. Heisler and T. Fletcher. 1,877,661; Sept. 13.
Toy carpet sweeper. F. W. Pullen and F. W. Hall. 1,847,362; Mar. 1.
Toy chest, Child's. M. Hallward. Des. 88,538–9; Dec. 6.
Toy coaster. S. Warren. 1,884,430; Oct. 25.
Toy, Constructing. A. C. Gilbert. 1,868,496; July 26.
Toy construction unit. C. E. Swanson. 1,890,269; Dec. 6.
Toy, Constructional. H. C. Wetzel. 1,862,558; June 14.
Toy, Conveyer. P. Delich. 1,879,845; Sept. 27.
Toy demonstrator, Mechanical. W. D. Ferris. 1,839,664; Jan. 5.
Toy detonator. J. E. Brubaker. 1,854,686; Apr. 19.
Toy device, Helicopter. A. Krastin. 1,873,896; Aug. 23.
Toy drum. S. Hoffman. 1,877,871; Sept. 20.
Toy, Drummer. H. N. Barnum. 1,892,546; Dec. 27.
Toy edifice. J. L. Flannery. 1,889,468; Nov. 29.
Toy, Educational. P. Bellis. 1,848,997; Mar. 8.
Toy, Educational. E. W. McCarthy. 1,850,115; Mar. 22.
Toy electric motor. G. A. Moore. 1,857,209; May 10.
Toy electric railway and apparatus therefor. L. W. Rosenthal. 1,865,278; June 28.
Toy electric railways, Apparatus for. F. W. Hehre. 1,879,227; Sept. 27.
Toy electric railways, Apparatus for. L. W. Rosenthal. 1,891,059; Dec. 13.
Toy electric railways, System of control for. L. W. Rosenthal. 1,865,276; June 28.
Toy electrical road vehicle. V. C. Kline. 1,886,484; Nov. 8.
Toy, Figure. E. L. Hewitt. 1,891,816; Dec. 20.
Toy, Explosive. T. S. Lewis. 1,859,100; May 17.
Toy fighter. M. T. Lane. 1,853,733; Apr. 12.
Toy, Figure. W. D. Ferris. 1,877,653; Sept. 20.
Toy, Figure. C. F. Smithson and G. C. Owens. 1,872,192; Aug. 16.
Toy, Figure. J. H. Thompson. 1,859,118; May 17.
Toy figure, Mechanically operated. H. Wimmer. 1,886,442; Nov. 8.
Toy filling station. H. A. Rebb. 1,855,138; Apr. 19.
Toy firearm. A. Z. Baker. 1,891,919; Dec. 20.
Toy fire alarm. S. Fox. 1,853,834; Apr. 12.
Toy fireplace. H. M. Fancher. 1,866,155; July 5.
Toy football game. O. L. Parker. 1,870,138; Aug. 2.
Toy furniture, Dismountable. M. E. Nebel. 1,854,663; Apr. 19.
Toy glider. C. A. Spotz. 1,887,337; Nov. 8.
Toy glider and runway. F. T. Macklin. 1,879,986; Sept. 27.
Toy gun. J. L. Copple. 1,877,559; Sept. 13.
Toy gun. W. A. Coventry. 1,868,312; July 19.
Toy gun. J. B. Fisher. 1,892,209; Dec. 27.
Toy gun. G. P. Gillette. 1,844,756; Feb. 9.
Toy gun. R. K. Jones. 1,845,920; Feb. 16.
Toy gun. J. A. Metzger. 1,892,405; Dec. 27.
Toy gun. C. J. Murdock. 1,890,403; Dec. 6.
Toy gun. H. F. Nelson. Des. 87,124; June 7.
Toy gun. A. S. Norbury. 1,858,718; May 17.
Toy gun. W. L. Payne. 1,888,689; Nov. 22.
Toy gun. F. S. Saxton. 1,887,520; Nov. 15.
Toy gun. H. H. Schmidt. 1,847,672; Mar. 1.
Toy gun. H. H. Schmidt. 1,883,826; Oct 18.
Toy hand-cuffs. J. E. Blake. 1,883,502; Oct 18.
Toy, Helicopter. J. Hojnowski. 1,852,929; Apr. 5.
Toy Helicopter. A. Voelmecky. 1,843,636; Feb. 2.
Toy house. H. L. Myers. 1,867,374; July 12.
Toy house. F. L. Purdy. 1,891,011; Dec. 13.
Toy house or similar article. L. L. Weiss. Des. 87,610; Aug. 16.
Toy, Inflatable. C. W. Hubbell. Des. 87,589; Aug. 16.
Toy, Jointed figure. C. K. Ringstad. 1,882,034; Oct. 11.
Toy lamp or similar article. S. Reis. Des. 86,745; Apr. 12.
Toy locomotive. M. Caruso. 1,859,430; May 24.
Toy locomotives, Bell ringing device for. E. D. Boisselier. 1,887,988; Nov. 15.
Toy locomotives, Removable headlight for. C. R. Johnson and W. E. Thorn. 1,858,448; May 17.
Toy machine gun. W. Daspit. 1,863,438; June 14.
Toy machine gun. H. Martindell. Des. 86,887; May 3.
Toy machine gun. E. H. Smith. 1,884,029; Oct. 18.
Toy, Magnetic. M. Purcell. 1,842,881; Jan. 26.
Toy, Mechanical. C. Arnold. 1,863,587; June 21.
Toy, Mechanical. F. O. Bernstrand. 1,867,052; July 12.
Toy, Mechanical. S. T. Brockway. 1,861,783; June 7.
Toy, Mechanical. S. S. Pete. 1,839,256; Jan. 5.
Toy, Mechanical. P. Piatakis. 1,870,656; Aug. 9.
Toy, Mechanical. W. A. Vinson. 1,867,237; July 12.
Toy merry-go-round. E. B. Allabough. 1,873,916; Aug. 23.
Toy, Mobile and dirigible. J. D. Morgan. 1,848,373; Mar. 8.
Toy mold. W. B. Le Ganger. 1,886,486; Nov. 8.
Toy monoplane, Foldable. C. U. Tyrrell. 1,842,434; Jan. 26.
Toy moving picture machine. M. J. McIntyre. 1,856,719; May 3.
Toy, Musical. J. Larson. 1,859,268; May 17.
Toy musical instrument. R. W. Savidge. 1,881,299; Oct. 4.
Toy, Nautical. E. C. Hansen. 1,848,880; Mar. 8.
Toy, Novelty. G. Gott. Des. 87,055; May 31.
Toy, Novelty. D. M. Nolan. 1,893,161; June 14.
Toy, Novelty doll. E. A. Linden. Des. 86,848; Apr. 26.
Toy, Novelty golf game. N. Buegeleisen. Des. 88,071; Oct. 25.
Toy nursing bottle. M. Wittmann. 1,859,485; May 24.
Toy or amusement device. A. W. Franklin. 1,856,991; May 3.
Toy or similar article, Novelty. W. H. Landmasser. Des. 87,395; July 19.
Toy outboard motor driving and steering mechanism. U. R. Sewrey and F. E. Moffett. 1,869,625; Aug. 2.
Toy, Pendulum. G. E. Worthington. 1,869,951; Aug. 2.
Toy piano, Educational. R. Viola. 1,848,855; Mar. 8.
Toy pistol. W. H. Brewster, Jr. 1,857,401; Nov. 15.
Toy pistol. R. A. Frisbie. 1,881,455; Oct. 11.
Toy pistol. I. C. Mountjoy. 1,844,173; Feb. 9.
Toy pistol. E. S. Peake. 1,853,836; Apr. 12.
Toy pistol. E. S. Peake. 1,872,093; Aug. 16.
Toy pistol. H. Welch. 1,841,390; Jan. 19.
Toy pistol. D. W. Zehrung. 1,844,535; Feb. 9.
Toy railroads, Connecter for. C. Ramus. 1,846,223; Feb. 23.
Toy railroads, Third rail selector for. W. H. Clark. 1,891,523; June 7.
Toy rails, Device for bending. F. Ottenstein. 1,857,325; May 10.
Toy railway. G. W. Dorr. 1,845,962; Feb. 16.
Toy railway. J. C. Koerber. 1,860,864; May 31.
Toy railway, Electric. F. Ottenstein. 1,870,526; Aug. 9.
Toy railway track. L. W. Rosenthal. 1,876,347; Sept. 6.
Toy railway track switch. W. E. Thorn. 1,850,294; Mar. 22.
Toy railways, Track for. L. W. Rosenthal. 1,865,277; June 28.
Toy rapid-fire gun. A. M. De Minno and J. M. Parrella. 1,860,611; May 31.
Toy, Ridable vehicular. E. M. Swartz. 1,890,658; Dec. 13.
Toy, Riding. F. Pascetti. 1,877,040; Sept. 13.
Toy, Riding stick. M. Knopf. Des. 87,118; June 7.
Toy roadster. A. J. Decker. Des. 86,441; Mar. 8.
Toy, Roller coaster. J. H. Wily. 1,872,204; Aug. 16.
Toy sand pail. A. Berone. Des. 88,047; May 17.
Toy scroll saw. F. L. Lindstrom. 1,872,989; Aug. 23.
Toy, Spinning. G. F. Sargent. 1,866,226; July 5.
Toy steam engine boiler. W. B. Ritchie. 1,848,028; Mar. 1.
Toy, Structural. W. D. Ferris. 1,843,115; Feb. 2.
Toy, Structural. G. E. Lyons and B. J. Anderson. 1,849,877; Mar. 15.
Toy tank. S. I. Berger. 1,871,297; Aug. 9.
Toy telephone. J. H. Conklin. 1,877,160; Sept. 13.
Toy telephone. E. Jansen. 1,888,802; Nov. 22.
Toy telephone. W. C. Wood. 1,878,615; Sept. 20.
Toy telephone and bank. W. C. Wood. 1,878,616; Sept. 20.

Toy top. J. Zaurrini. 1,841,566; Jan. 19.
Toy torpedo, Safety. G. J. J. Clark and E. B. Jones. 1,845,397; Feb. 16.
Toy train and the like, Structural. R. H. Shepard. 1,845,201; Feb. 16.
Toy typewriter. S. A. Thompson. 1,865,288; June 28.
Toy vehicle. R. B. Bukolt. 1,874,436-7; Aug. 30.
Toy, Vehicle. D. A. Carlstrom. 1,859,617; May 24.
Toy vehicle. W. F. Hafner. 1,857,566; Nov. 15.
Toy vehicle. H. C. Hebig. Des. 87,060; May 31.
Toy vehicle. J. E. Hester. 1,872,289; Aug. 16.
Toy vehicle. J. G. Koerber. 1,869,199; July 26.
Toy vehicle. R. J. Rader. 1,885,627; Nov. 1.
Toy vehicle. F. Shadish. 1,890,624; Dec. 13.
Toy vehicle. E. M. Swartz. Des. 88,687; Dec. 13.
Toy vehicle. M. Tinas. 1,858,851; May 17.
Toy, Walking. B. Kraus. 1,854,202; Apr. 19.
Toy, Walking. W. I. Ravert. 1,860,476; May 31.
Toy washing machine. J. Riemenschneider. 1,848,027; Mar. 1.
Toy, Water. C. W. Hubbell. 1,851,768; Mar. 29.
Toy, Wheeled. H. B. Clarke. 1,867,731; July 19.
Toy, Wheeled. H. Müller. 1,875,109; Aug. 30.
Toy, Wheeled. L. Oskow. 1,873,719; Aug. 23.
Toy, Wheeled. B. Peake. 1,853,833; Apr. 12.
Toy, Whirligig. A. Anzalone. 1,854,876; Apr. 19.
Toy, Whirling. L. H. Hutchinson. 1,851,769; Mar. 29.
Toy whistle. F. G. Wheeler. Des. 87,612; Aug. 16.
Toy, Whistling. H. Zimmerman. 1,839,591; Jan. 5.
Toy windmill. A. D. Vandergon. 1,880,604; Oct. 4.
Toys and the like and step product, Making. 1,839,889; Jan. 5.
Toys, Electric motor mounting and drive mechanism for. J. A. Hanley. 1,892,021; Jan. 19.
Toys, Mechanical movement for. B. P. Merwin. 1,887,856; Nov. 15.
Tracer, Contouring. J. C. and R. D. Shaw. 1,840,853; Jan. 12.
Track aligning and tie tamping device. P. Kushnier. 1,871,185; Aug. 9.
Track aligning machine. J. E. Hickey. 1,842,670; Jan. 26.
Track and coupling attachment, Combined. A. L. Keune. 1,879,310; Sept. 27.
Track and switch construction, Mine. M. Goff. 1,871,511; Aug. 16.
Track and tie raising device, Railway. C. M. Babst. 1,841,185; Feb. 9.
Track-chain bogie of carriages. A. Lange. 1,855,839; Apr. 26.
Track construction, Insulated railway. B. E. Balduf. 1,855,177; Apr. 26.
Track construction, Railroad. G. T. Ronk. 1,854,487; Apr. 19.
Track construction, Railroad. G. B. Taylor. 1,849,969; Mar. 15.
Track construction, Railway. J. A. McGrew. 1,863,248; June 14.
Track crossing and the like, Railway. V. G. Honstain. 1,844,284; Feb. 9.
Track drilling machine. E. A. Everett. 1,841,798; Jan. 19.
Track for conveyer systems, Monorail. C. S. Haddlesay. 1,867,883; July 19.
Track for toy railways. F. Ottenstein. 1,840,914; Jan. 12.
Track for tracklaying vehicles. H. A. Knox. 1,863,858; June 21.
Track for truck tractors, Endless. J. W. Christie. 1,849,471; Feb. 23.
Track for vehicles, Continuous. E. H. W. Foot. 1,881,179; Oct. 4.
Track layer, Railway. J. E. Lewis. 1,844,914; Feb. 9.
Track layer, Railway. D. Trocchi. 1,848,679; Mar. 8.
Track link. W. K. McMillan and J. S. Walch. 1,868,148; July 19.
Track lubricator. W. C. Masters. 1,850,592; Mar. 22.
Track means. G. R. Treptow. 1,873,796; Aug. 23.
Track, Overhead. O. C. Schmidt and A. G. Klawitter. 1,878,785; Sept. 20.
Track, Race. A. F. McClain, sr. 1,877,471; Sept. 13.
Track-rail lubricating device. E. B. Keim. 1,888,678; Nov. 22.
Track, Railway car. C. J. W. Clasen. 1,871,778; Aug. 16.
Track recorder system. E. A. Sperry. 1,843,959; Feb. 9.
Track sander and air brake, Automatic. J. Gogol. 1,873,640; Aug. 23.
Track skate, Railway. M. B. Cameron. 1,851,347; Mar. 29.
Track structure. W. G. Hulbert. 1,878,984; Sept. 20.
Track systems, Transfer device for overhead. V. P. Schmidt and H. A. Brenaman. 1,841,640; Jan. 19.
Trackway, Self-railing. H. B. Flower. 1,888,760; Nov. 22.
Track wheel. R. J. Harry. 1,858,929; May 17.
Track wheel. W. Stellan. 1,880,473; Oct. 4.
Track wrench. B. Graham. 1,846,099; Feb. 23.
Tracks, Appliance for airplane launching. E. Heinkel. 1,887,509; Nov. 15.
Tracks for pipe joint sealing tools. A. G. Perkins. 1,889,790; Dec. 6.
Tracks, Method and device for laying and renewing railroad. P. Collet and R. Loiseau. 1,847,818; Mar. 1.
Traction and antiskid device. Auto. H. S. Gibson and J. R. McLean. 1,889,241; Nov. 29.
Traction apparatus. C. A. Henneuse. 1,872,450; Aug. 16.
Traction control system, Electric. A. D. Ferguson. 1,847,175; Mar. 1.
Traction device. S. F. Gulba. 1,844,758; Feb. 9.
Traction device. C. Wilt. 1,882,467; Oct. 11.
Traction elevator. U groove. B. A. Schroeder. 1,866,911; July 12.
Traction increasing device. J. C. McCune. 1,879,704; Sept. 27.
Traction mat. T. K. Webster, jr. 1,863,316; June 14.
Traction mechanism. E. J. Wilson. 1,852,197; Apr. 5.
Traction member for automobile tires and the like. R. B. Respess. 1,864,938; June 28.
Traction promoting accessory for automobiles. P. A. Neumann. 1,858,412; May 17.
Traction wheel. B. R. Benjamin and W. R. Peterson. 1,878,811; Sept. 20.
Traction wheel. L. Cloud. 1,852,954; Apr. 5.
Traction wheel. N. C. Harris. 1,872,079; Aug. 16.
Traction wheel. J. L. Hecht. 1,888,627; Nov. 22.
Traction wheel. D. Martin. 1,849,678; Mar. 15.
Traction wheel. C. T. Ray. 1,883,376; Nov. 1.
Tractor. A. C. Becker. 1,844,237; Feb. 9.
Tractor. D. P. Davies. 1,849,284; Mar. 15.
Tractor. S. H. W. Dawson. 1,848,938; Mar. 8.
Tractor. G. R. Hanks. 1,858,154; May 10.
Tractor. R. O. Hendrickson. 1,842,752; Jan. 26.
Tractor. R. O. Hendrickson. 1,887,351; Nov. 8.
Tractor. J. L. Hoffman. 1,869,746; Aug. 2.
Tractor. B. F. Gravely. 1,881,505; Oct. 11.
Tractor. E. A. Johnston. 1,878,855; Sept. 20.
Tractor. L. F. Kennedy. 1,870,632; Aug. 9.
Tractor. J. D. Koovenga. 1,867,660; July 19.
Tractor. F. N. G. Kranick. 1,887,355; Nov. 8.
Tractor. J. T. Liggett. 1,885,065; Oct. 25.
Tractor. A. McDowall. 1,854,052; Apr. 12.
Tractor. F. O. Snow, jr. 1,870,969; Aug. 9.
Tractor. W. F. Strehlow. 1,868,474; July 19.
Tractor. F. Turzicky. 1,855,209; Apr. 26.
Tractor. R. H. White. 1,849,560; Mar. 15.
Tractor, Adjustable. J. K. Hotlings. 1,884,461; Oct. 25.
Tractor and elevator unit, Combination. H. A. Vorthmann. 1,892,495; Dec. 27.
Tractor attachment. C. Hartmann. 1,876,485; Sept. 6.
Tractor attachment. H. E. See. 1,868,770; July 26.
Tractor attachment. A. J. Trigwell and C. H. Trubschenck. 1,871,097; Aug. 9.
Tractor attachment. G. C. Wheeler. 1,850,485; Mar. 22.
Tractor, Convertible. W. H. Smyth. 1,885,486; Nov. 1.
Tractor, Convertible noiseless tracklayer. W. H. Smyth. 1,885,485; Nov. 1.
Tractor cultivator. B. R. Benjamin. 1,854,879; Apr. 19.
Tractor cultivator. D. C. Heitshu. 1,850,717; Mar. 22.
Tractor cultivators, Gang disc distributing attachment for. E. M. Cole. 1,864,122; June 21.
Tractor disk harrow. J. R. Barker. 1,878,805; Sept. 20.
Tractor, Electric drive. S. Schmid, jr. 1,863,594; June 14.
Tractor, Farm. C. Murnane. 1,873,458; Aug. 23.
Tractor guard. C. A. Heide. 1,843,292; Feb. 2.
Tractor guide. H. Koenig. 1,843,227; Feb. 2.
Tractor guiding device. H. Blume. 1,891,704; Dec. 20.
Tractor-harvester. R. R. Benjamin. 1,864,091; June 21.
Tractor hitch. C. R. Aten. 1,840,181; Jan. 5.
Tractor hitch. F. J. Bolen. 1,872,106; Aug. 16.
Tractor hitch. J. Burgett. 1,867,726; July 19.
Tractor hitch. F. L. Fraiser. 1,864,128; June 21.
Tractor hitch. E. R. Greer. 1,877,126; Sept. 13.
Tractor hitch. E. A. Johnston. 1,846,491; Feb. 23.
Tractor hitch. E. Meek. 1,850,001; Mar. 17.
Tractor hitch for farm implements. C. J. Minton. 1,876,723; Sept. 13.
Tractor implement. H. E. Altgelt. 1,890,450; Dec. 13.
Tractor implement attachment. W. S. Graham. 1,854,834; Apr. 19.
Tractor implement attachment. C. E. and T. F. Rich. 1,861,134; May 31.
Tractor implement, Combination. R. W. and H. J. Knapp. 1,847,249; Mar. 1.
Tractor, Link. C. Korsheck. 1,872,819; Aug. 23.
Tractor lug. O. H. Moyer. 1,846,137; Feb. 23.
Tractor, Marine. E. Johnson. Re18,610; Sept. 27.
Tractor, Marine. E. Johnson. Des. 87,263; June 28.
Tractor mounting for grain blowers. H. C. Wallace. 1,871,930; Aug. 16.
Tractor mower. F. N. G. Kranick. 1,855,838; Apr. 26.
Tractor plow controller safety hitch. S. Tetreault. 1,854,723; Apr. 19.
Tractor plow hitch. F. Erickson and E. W. Weber. 1,844,217; Feb. 9.
Tractor pulley. H. W. Simpson. 1,875,767; Sept. 6.
Tractor, Rim gear drive. H. H. Glasier. 1,865,898; July 5.
Tractor steering attachment. C. C. Stedman. 1,864,324; June 21.
Tractor structure. A. and A. G. Ronning. 1,883,405; Oct. 18.
Tractor-trailer combination. F. M. Reid. 1,892,004; Dec. 27.
Tractor tread. G. T. Ronk. 1,891,556; Dec. 20.
Tractor unit, Power. G. H. Nobbs. 1,880,023; Sept. 27.
Tractor wheel. H. J. Coburn. 1,876,488; Sept. 6.
Tractor wheel. C. Curtis. 1,856,320; May 3.
Tractor wheel. J. Dawe. 1,876,628; Sept. 13.

Tractor wheel. H. Lucas. 1,856,838; May 3.
Tractor wheel. J. F. Rosenthal. 1,844,440; Feb. 9.
Tractor wheel. E. Schmidt. 1,881,135; Oct. 4.
Tractor wheel. D. and T. Tomlinson. 1,847,280; Mar. 1.
Tractor wheel attachment. F. C. Campbell. 1,843,751; Feb. 2.
Tractor wheel attachment. M. D. Storm. 1,882,373; Oct. 11.
Tractor wheel cleaner, Eccentrically hinged. C. R. Meyer and F. W. Cox. 1,873,222; Aug. 30.
Tractor wheel lug. K. Wallace. 1,883,836; Oct. 18.
Tractors, Corn harvesting and husking attachment for. A. M. Howorth and T. W. Dyer. 1,840,338; Jan. 12.
Tractors, Guiding attachment for. W. E. Remington. 1,891,014; Dec. 13.
Tractors, Industrial boom attachment for track type. J. C. Allan. 1,840,998; Jan. 12.
Tractors. Power take-off mechanism for. T. Brown. 1,876,561; Sept. 13.
Tractors, Reflex control attachment for. J. Williams. 1,849,562; Mar. 15.
Tractors, Scooping attachment for. A. G. Gelster. 1,856,629; May 3.
Tractors. Self steering device for. C. H. Creed, jr. 1,849,790; Mar. 15.
Tractors, Wheel cleaning attachment for. G. Merklin. 1,877,005; Sept. 13.
Trade marks directly to bulk materials, Applying. J. E. Hibline. 1,858,513; Feb. 23.
Traffic alarm for highways. H. S. Mulhollen. 1,890,092; Dec. 6.
Traffic and alarm system, Combined. A. J. Massey. 1,875,748; Sept. 6.
Traffic control device. G. C. Arey. 1,850,370; Mar. 22.
Traffic control device. E. M. Greenlee. 1,888,590; Nov. 22.
Traffic control systems for railroads, Centralized. A. R. Whitehorn. 1,870,985; Sept. 20.
Traffic controlling apparatus, Railway. V. S. Alexander and D. G. Ackerly. 1,875,839; Sept. 6.
Traffic controlling apparatus, Railway. E. M. Allen. 1,849,122; Feb. 16.
Traffic controlling apparatus, Railway. L. R. Allison and F. H. Nicholson. 1,861,488; June 7.
Traffic controlling apparatus, Railway. R. E. Baker. 1,864,481; June 21.
Traffic controlling apparatus, Railway. G. W. Baughman. 1,845,645; Nov. 22.
Traffic controlling apparatus, Railway. P. N. Bossart. 1,843,477; Feb. 2.
Traffic controlling apparatus, Railway. J. P. Coleman. 1,875,853; Sept. 6.
Traffic controlling apparatus, Railway. C. W. Failor. 1,856,754; May 3.
Traffic controlling apparatus, Railway. C. W. Failor. 1,887,261; Nov. 8.
Traffic controlling apparatus, Railway. R. M. Gilson and H. A. Thomson. 1,848,619; Mar. 8.
Traffic controlling apparatus, Railway. R. M. Gilson and B. E. O'Hagan. 1,883,693; Oct. 18.
Traffic controlling apparatus, Railway. L. O. Grondahl. 1,869,847; Aug. 2.
Traffic controlling apparatus, Railway. A. E. Hudd. 1,870,515-16; Aug. 27.
Traffic controlling apparatus, Railway. A. T. Johnston. 1,877,513; Sept. 13.
Traffic controlling apparatus, Railway. R. R. Kemmerer. 1,885,521; Nov. 1.
Traffic controlling apparatus, Railway. C. H. Lay. 1,842,613; Jan. 26.
Traffic controlling apparatus, Railway. C. H. Lay. 1,846,809; Feb. 23.
Traffic controlling apparatus, Railway. R. A. McCann. 1,845,308; Feb. 16.
Traffic controlling apparatus, Railway. R. A. McCann. 1,845,877; Feb. 16.
Traffic controlling apparatus, Railway. R. A. McCann. 1,888,863; Nov. 22.
Traffic controlling apparatus, Railway. J. E. McCauley. 1,848,640; Mar. 8.
Traffic controlling apparatus, Railway. S. Miskelly. 1,880,037; Sept. 27.
Traffic controlling apparatus, Railway. L. L. Nettleton. 1,858,901; May 17.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 1,846,889; Feb. 23.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 1,857,323; May 10.
Traffic controlling apparatus, Railway. H. V. Rudolph and H. W. Bryan. 1,855,611; Apr. 26.
Traffic controlling apparatus, Railway. H. A. Thompson and F. H. Nicholson. 1,885,875; Nov. 1.
Traffic controlling apparatus, Railway. H. C. Vantassel. 1,854,967; Apr. 19.
Traffic controlling apparatus, Railway. H. A. Wallace. 1,857,112; May 3.
Traffic controlling device. A. H. Kinghorn, jr. 1,865,193; June 28.
Traffic controlling device. S. N. Wight. 1,852,549; Apr. 5.
Traffic controlling devices, Hand operating means for power operated railway. H. B. Taylor. 1,886,987; Nov. 8.
Traffic controlling system. C. W. Prescott. 1,854,602; **Apr. 19.**
Traffic controlling system, Centralized. D. F. De Long and R. Plank. 1,852,402; Apr. 5.
Traffic controlling system, Centralized. R. F. Wells and D. W. Merserau. 1,878,083; Sept. 13.
Traffic controlling system for railroads. A. Langdon. 1,854,614; Apr. 19.
Traffic controlling system for railroads. N. D. Preston. 1,852,369; Apr. 5.
Traffic controlling system for railroads. J. E. Stephenson. 1,857,048; Nov. 8.
Traffic controlling system, Railway. G. W. Baughman. 1,867,724; July 19.
Traffic controlling system, Railway. T. Bodde. 1,843,894; Feb. 2.
Traffic controlling system, Railway. M. H. Loughridge. 1,877,628; Sept. 13.
Traffic controlling system, Railway. S. N. Wight. 1,883,208; Oct. 18.
Traffic controlling system, Railway. S. N. Wight. 1,869,458; Nov. 29.
Traffic for signaling systems, Resynchronizing. C. H. Bissell. 1,875,367; Sept 6.
Traffic governing apparatus, Railway. P. H. Crago. 1,855,752; Apr. 26.
Traffic indicator and advertising device, Combined. J. P. Barron. 1,870,161; Aug. 2.
Traffic indicator or marker. P. P. Horni. 1,850,173; Mar. 22.
Traffic light. F. Shepherd. 1,850,897; Mar. 22.
Traffic light. C. G. Wilcox. 1,849,393; Mar. 15.
Traffic observing instrument. R. W. Johnson. 1,883,296; Oct. 18.
Traffic sign or signal. F. D. Bryan and J. Blauner. 1,874,834; Aug. 30.
Traffic signal. C. Alder, jr. Des. 87,501; Aug. 9.
Traffic signal. T. A. Boor. 1,846,987; Feb. 23.
Traffic signal. W. F. Brettschneider. 1,875,556; Sept. 6.
Traffic signal. J. W. Byers. 1,876,201; Sept. 6.
Traffic signal. R. R. Childs. 1,844,742; Feb. 9.
Traffic signal. S. A. Eskilson. 1,846,590; Feb. 23.
Traffic signal. E. Lindner. 1,873,713; Aug. 23.
Traffic signal. W. H. Minier. 1,866,899; July 12.
Traffic signal. J. H. Walrath and K. Schwartz. 1,852,989; Apr. 5.
Traffic signal, Collapsible. J. T. Boatwright. 1,888,447; Nov. 22.
Traffic signal, Collapsible and portable. W. F. Otte. 1,851,956; Feb. 9.
Traffic signal controller. C. I. Hall. 1,874,513; Aug. 30.
Traffic signal, Counterbalanced pavement. A. E. Wilson. 1,845,774; Feb. 16.
Traffic signal device. V. M. Osborn. 1,857,350; Sept. 6.
Traffic signal, Movable. B. B. Goodin. 1,864,062; June 21.
Traffic signal, Street. R. E. Huffschmidt. 1,879,263; Sept. 27.
Traffic signal switch. A. Peterson. 1,856,588; May 3.
Traffic signal system. C. F. Whitney. 1,880,618; Oct. 4.
Traffic signaling construction. J. Mattson. 1,875,076; Aug. 30.
Traffic supervisor. R. J. Wensley and V. K. Zworykin. Re18,567; Aug. 9.
Traffic, System and structure for high speed. J. W. Fry. 1,883,363; Oct. 18.
Traffic warning device. L. H. Coppel. 1,849,419; Mar. 15.
Trailer. K. M. Byron. 1,858,875; May 17.
Trailer. J. C. Pondrie. 1,857,964; May 3.
Trailer. J. F. Higbee. 1,855,237; Apr. 26.
Trailer. A. F. Kuester. 1,857,758; May 10.
Trailer. A. R. Kuester. 1,857,784; May 10.
Trailer. C. H. Lotte. 1,874,558; Aug. 30.
Trailer. W. C. Nabors. 1,863,348; June 14.
Trailer. G. D. Pratt and H. C. Guillaume. 1,887,325; Nov. 8.
Trailer. C. F. Smith. 1,852,984; Apr. 5.
Trailer. D. R. Thomas. 1,889,939; Dec. 6.
Trailer. J. Van Vorst. 1,871,828; Aug. 16.
Trailer. A. O. Williams. 1,892,121; Dec. 27.
Trailer. W. T. Witt. 1,870,939; Aug. 9.
Trailer and coupling it to motor vehicles. G. H. Jackson. 1,854,741; Apr. 19.
Trailer and semi-trailer, Combination. E. B. Collinge. 1,887,118; Nov. 8.
Trailer and steering device. W. R. Jordan. 1,853,817; Apr. 12.
Trailer attachment, Motorized. W. W. Brisson. 1,844,240; Feb. 9.
Trailer body. W. L. Gilkison. 1,881,482; Oct. 11.
Trailer body for a vehicle. N. A. Carter. Des. 86,698; Apr. 12.
Trailer control. F. Jacobs. 1,856,997; May 3.
Trailer coupling. W. H. Himmelberger. 1,891,711; Dec. 20.
Trailer coupling. F. Miller. 1,858,785; May 17.
Trailer, Heavy duty high speed. C. A. Rogers. 1,887,042; Nov. 8.
Trailer hitch. E. B. Breuss. 1,866,796; July 12.
Trailer hitch and stand. N. R. Stenberg and E. Anderson. 1,842,697; Jan. 26.
Trailer reach. D. H. Davis. 1,840,435; Jan. 12.
Trailer steering mechanism. J. F. Higbee and K. M. Byron. 1,855,238; Apr. 26.

Trailer train steering mechanism, Automatic. W. P. Pinckard. 1,857,740; May 10.
Trailer truck. S. M. Chase. 1,888,451; Nov. 22.
Trailer, Vehicle carrying. G. D. Eichelberger. 1,840,705; Jan. 12.
Trailer, Vendor's. J. W. Small. Des. 86,752; Apr. 12.
Trailers, Drawbar for. V. A. Hamilton. 1,879,981; Sept. 27.
Trailers, Tubular drawbar for. D. H. Davis. 1,880,075; Sept. 27.
Train board. S. Y. McGiffert. 1,843,237; Feb. 2.
Train control. C. S. Bushnell. 1,876,566; Sept. 13.
Train control. C. S. Bushnell. 1,877,553; Sept. 13.
Train control. F. J. Sprague. 1,886,062; Nov. 1.
Train control. T. W. Varley and W. C. Nein. 1,878,735; Sept. 20.
Train control apparatus, Induction. D. H. Schweyer. 1,875,942; Sept. 6.
Train control, Automatic. F. W. Godsey, jr. 1,866,099; July 5.
Train control, Automatic. D. H. Schweyer. 1,890,419; Dec. 6.
Train control, Automatic. P. J. Simmen. Re18,484; May 31.
Train control, Automatic. P. J. Simmen. 1,839,707; Jan. 5.
Train control, Automatic. L. H. Von Ohlsen. 1,866,139; July 5.
Train control, Composite system of. M. H. Loughridge. 1,859,691; May 24.
Train control device. T. H. Thomas and J. N. Good. 1,881,148; Oct. 4.
Train control system. R. C. Burns and L. G. Plank. 1,846,206; Feb. 2.
Train control system. H. S. Folker. 1,857,186; May 10.
Train control system. L. L. Jones. 1,841,896; Jan. 19.
Train control system. F. H. Nicholson. 1,882,027; Oct. 11.
Train control system. A. G. Shaver. 1,872,515; Aug. 16.
Train control system. A. G. Shaver and B. W. Meisel. 1,872,828; Aug. 23.
Train control system. A. G. Williamson. 1,856,822; May 3.
Train control system. A. G. Williamson. 1,866,070; July 5.
Train control system, Automatic. T. Bodde. 1,843,895; Feb. 2.
Train control system, Automatic. C. S. Bushnell. 1,852,554; Apr. 5.
Train control system, Automatic. A. E. Hudd. 1,879,613; Sept. 27.
Train control system, Automatic. W. H. Reichard. 1,877,968; Sept. 20.
Train control system, Automatic. E. C. Sasnett. 1,855,026; Apr. 26.
Train control system, Automatic. L. Work. 1,889,721; Nov. 29.
Train control system, Continuous. W. D. Halles. 1,852,409; Apr. 5.
Train control system for railroads. C. S. Bushnell. 1,852,535; Apr. 5.
Train control system for railroads. C. S. Bushnell. 1,877,555; Sept. 13.
Train control system, Intermittent inductive. W. K. Howe. 1,852,731; Apr. 5.
Train controlling apparatus, Automatic. J. P. Gilligan and G. W. Edwards. 1,881,404; Oct. 11.
Train coupling. H. Fickelscher. 1,885,813; Nov. 1.
Train dispatching system for railroads. F. B. Hitchcock. 1,852,568; Apr. 5.
Train dispatching system for railroads. R. Plank. 1,852,367–8; Apr. 5.
Train dispatching system for railroads. S. N. Wight. 1,852,530; Apr. 5.
Train dispatching system for railroads. S. N. Wight. 1,889,457; Nov. 29.
Train indicator system. M. Bergstein. 1,840,014; Jan. 5.
Train, Land vehicle. L. Campbell, jr. 1,886,640; Nov. 8.
Train order hoop holding means. W. L. White. 1,890,709; Dec. 13.
Train order signal. A. M. Ritchey. 1,866,485; July 5.
Train, Semi-trailer motor. C. Erskine. 1,858,769; May 17.
Train signal. Automatic. J. Curas and A. Adamis. 1,873,698; Aug. 23.
Train signaling system. H. A. Thompson. 1,888,706; Nov. 22.
Trains, Controlling. G. W. Baughman. 1,861,077; May 31.
Tramways, Recuperation equipment for. M. Lièvre. 1,846,215; Feb. 23.
Transactions, Apparatus for recording. J. J. Dickman. 1,852–3; June 14.
Transfer. W. S. Lawrence. 1,858,673; May 17.
Transfer. H. S. Sadtler. 1,866,215; June 28.
Transfer apparatus for conveyers, Automatic. J. Cæsar and S. Eggleston. 1,879,073; Sept. 27.
Transfer comb. C. C. Alvord. 1,872,023; Aug. 16.
Transfer composition. B. S. Taylor and W. N. Jones. 1,885,388; Nov. 1.
Transfer contact. R. C. Mason. 1,863,312; June 14.
Transfer machine. F. G. L. Boyer. 1,890,598; Dec. 13.
Transfer mechanism. Z. P. Candee. 1,872,402; Aug. 16.
Transfer mechanism. K. A. Lehmann and E. Breitling. 1,858,630; May 17.
Transfer mechanism, Parison. E. H. Lorenz. 1,885,740; Nov. 1.
Transfer mechanism for calculating machine. A. A. Horton. 1,853,054; Apr. 12.
Transfer mechanism for circular knitting machines. L. N. D. Williams. 1,891,857; Dec. 20.
Transfer mechanism for production of printing plates. G. Goebel. 1,872,273; Aug. 16.
Transfer mechanism for rotary glassware forming machines. K. E. Peller. 1,882,091; Oct. 11.
Transfer mechanism for strap conveyers. B. Beardsley and W. C. Chadbourne. 1,858,320; May 17.
Transfer picture and its manufacture. E. Hentschel. 1,882,593; Oct. 11.
Transfer press, Lithographic. F. T. Sheedy and L. Traung. 1,860,693; May 31.
Transfer printing and issuing machine. J. M. Seawell. 1,888,412; Nov. 22.
Transfer printing and transfer pattern therefor. P. Yohns. 1,849,996; Mar. 15.
Transfer printing for fibrous articles. A. Schubert. 1,843,737; Feb. 2.
Transfer printing process. A. Schubert. 1,843,740; Feb. 2.
Transfer printing process for leather. A. Schubert. 1,843,741; Feb. 2.
Transfer table, Charging. G. O. Ellstrom. 1,858,768; May 17.
Transfer-tray filling mechanism for match machines. C. F. Wright. 1,889,847; Dec. 6.
Transfers, Manufacture and production of. L. Allen and E. C. Deering. 1,888,154; Nov. 15.
Transferring and forming machine. W. L. McNamara. 1,852,025; Oct. 11.
Transferring and transporting apparatus. A. W. Berg. 1,883,493; Oct. 18.
Transferring device, Gasket. W. M. Hollinger. 1,856,637; May 3.
Transferring load in making bridges and the like. C. G. Sunderland. 1,851,967; Oct. 4.
Transferring method. P. Schonfeld. 1,873,486; Aug. 23.
Transformer. S. E. Anderson. 1,869,180; July 26.
Transformer. A. O. Austin. 1,868,483–4; July 26.
Transformer. F. F. Brank. 1,854,975; Apr. 19.
Transformer. E. T. Burton. 1,880,412; Oct. 4.
Transformer. P. P. Dikkertenis. 1,841,016; Jan. 12.
Transformer. J. B. Gibbs and A. M. Wiggins. 1,849,485; Mar. 15.
Transformer. H. Halperin and K. W. Miller. 1,872,575; Aug. 16.
Transformer. J. K. Hodnette and P. L. Bellaschi. 1,872,293; Aug. 16.
Transformer. H. B. Holmes. 1,851,184; Mar. 29.
Transformer. A. Meyerhans. 1,873,975; Aug. 30.
Transformer. J. G. Sola. 1,841,685; Jan. 19.
Transformer. C. H. Thordarson. 1,884,384; Oct. 25.
Transformer. E. J. von Henke. 1,862,642; June 14.
Transformer. N. A. J. Voorhoeve. 1,857,577; May 10.
Transformer actuated control system, Constant current. I. E. McCabe. 1,881,321; Oct. 4.
Transformer, Air cooled. H. B. Keath. 1,851,048; Mar. 29.
Transformer, Air cooled oil immersed. P. R. Bounce. 1,841,083; Jan. 12.
Transformer and hoist, Portable. C. M. Horne. 1,879,848; Sept. 27.
Transformer and socket, Gas tube. J. O. Cadieux. 1,882,503; June 7.
Transformer construction. F. S. Smith. 1,891,456; Dec. 20.
Transformer-converter. H. E. Patrick and I. W. Kureth. 1,867,754; July 19.
Transformer, Coordinate. W. Bauersfeld. 1,864,576; June 28.
Transformer, Coordinate. W. Sander. 1,861,192; May 31.
Transformer core. H. G. Ross. 1,874,806; Aug. 30.
Transformer, Current. A. O. Austin. 1,868,481; July 26.
Transformer, Electric. C. G. Mayo. 1,849,845; Mar. 15.
Transformer, Electric. H. H. Morse. 1,849,376; Mar. 15.
Transformer, Electric. G. L. Porter. 1,891,178; Dec. 15.
Transformer, Electric. J. G. Sola. 1,854,490; Apr. 19.
Transformer, Electric. J. G. Sola. 1,875,358; Sept. 6.
Transformer for floodlights. M. I. Brownell. 1,866,750; July 12.
Transformer for orificial applicators, Portable-standard. J. J. Rekar. Des. 87,317; July 5.
Transformer for orificial applicators, Portable wall. J. J. Rekar. Des. 87,026; May 24.
Transformer for polyphase rectifiers. M. Wellauer. 1,851,792; Mar. 29.
Transformer for radio transmitters, Filament supply. L. A. Gebhard. 1,863,477; June 14.
Transformer for use in electric welding and like operations. G. Benedetto. 1,863,462; June 14.
Transformer, High frequency. J. K. Johnson. 1,855,055; Apr. 19.
Transformer, High potential. E. Welter. 1,869,233; July 26.
Transformer, High potential measuring. F. Fischer. 1,853,764; Apr. 12.
Transformer, High tension. A. Meyerhans. 1,862,798; June 14.
Transformer, High tension. C. Schrader. 1,873,049; Aug. 23.

Transformer, Integrating and differential. W. Bütow. 1,866,751; July 12.
Transformer, Magnetostrictive. G. W. Pierce. 1,882,396; Oct. 11.
Transformer, Multiple piezo-electric. A. McL. Nicolson. 1,863,345; June 14.
Transfusion of blood, Apparatus for. L. E. Drummond. 1,882,412; Oct. 11.
Transtorner or the like. L. C. Nichols. 1,860,511; May 31.
Transformer, Potential. G. E. Jansson. 1,868,605; July 26.
Transformer, Radiofrequency. H. A. Wheeler. 1,846,701; Feb. 23.
Transformer relay. S. B. Aylsworth. 1,866,147; July 5.
Transformer-rheostat control device. J. E. Cuff. 1,863,267; June 14.
Transformer system and apparatus. A. C. Schwager. 1,863,936; June 21.
Transformer system, Polyphase. W. T. Taylor. 1,860,602; May 31.
Transformer tanks and the like, Construction of. F. S. Smith. 1,867,032; July 12.
Transformer, Variable reactance. H. L. Cole and H. H. Wagner. 1,873,824; Aug. 23.
Transformer, Variable voltage. H. R. West. 1,869,125; July 26.
Transformer winding. H. L. Cole. 1,848,936; Mar. 8.
Transformer winding. J. J. Frank. 1,852,805; Apr. 5.
Transformer with primary parallel resistance and flux leakage path, Current. A. Callsen. 1,866,345; July 5.
Transformers, Assembling current. G. Keinath. 1,860,859; May 31.
Transforming and circuit interrupting apparatus, Unitary. G. E. Jansson. 1,859,969; May 24.
Transforming device. F. J. Fischer. 1,872,435; Aug. 16.
Transformation, Oscillatory movement into rotary movement. G. H. Schieferstein. 1,885,553; Nov. 1.
Transformer. S. D. Sprong. 1,891,959; Dec. 27.
Transformer, High-frequency. W. A. MacDonald. 1,892,354; Dec. 27.
Transformer, Portable high tension. A. Bouwers. 1,867,786; Dec. 13.
Transformer structure. S. Widmer and M. Hürlimann. 1,890,045; Dec. 6.
Transfusion apparatus. R. W. Thayer. 1,850,273; Mar. 22.
Transfusion of blood, Apparatus for the. J. D. Parietti. 1,863,994; June 21.
Transit mixer actuating means. J. F. Robb. 1,856,728; May 3.
Translating apparatus. M. J. Brown. 1,883,875; Oct. 25.
Translating apparatus employing reflected light. E. W. Kellogg. 1,872,965; Aug. 23.
Translating device. E. W. Gent and L. M. Potts. 1,852,774; Apr. 5.
Translating device. E. W. Gent. 1,890,904; Dec. 13.
Translating device. S. O. Hoffman. 1,862,622; June 14.
Translating device for accounting machines. J. W. Bryce. 1,880,409; Oct. 4.
Translating system, Frequency. C. R. Keith. 1,855,576; Apr. 26.
Transmission. E. Anderson. 1,866,002; July 5.
Transmission. L. A. Bixby. 1,877,794; Sept. 20.
Transmission. M. Edberg. 1,883,835; Oct. 18.
Transmission. G. B. Eggert. 1,869,189; July 26.
Transmission. T. L. Fawick. Re18,629; Oct. 18.
Transmission. T. L. Fawick. 1,860,142; May 24.
Transmission. T. L. Fawick. 1,889,957; Dec. 6.
Transmission. G. F. Finch. 1,850,834; Mar. 22.
Transmission. J. R. Hanson. 1,887,304; Nov. 8.
Transmission. G. Heinish. 1,844,037; Feb. 9.
Transmission. W. G. Hoelscher. 1,850,302; Mar. 22.
Transmission. W. Hendek. 1,860,674; May 31.
Transmission. F. Johnson. 1,888,728; Nov. 22.
Transmission. K. T. Keller and J. W. Hughes. 1,840,106; Jan. 5.
Transmission. H. W. Lewis. 1,882,222; Oct. 11.
Transmission. J. S. Sharpe. 1,853,749; Apr. 12.
Transmission. L. S. Sheldrick. 1,862,098; June 7.
Transmission. W. S. Starkey and D. T. Brownlee. 1,843,523; Feb. 2.
Transmission. B. W. Street. 1,846,532; Feb. 23.
Transmission. E. Swenson. 1,878,200; Sept. 20.
Transmission. E. A. Thompson. 1,888,640; Nov. 22.
Transmission. C. W. Weiss. 1,858,690; May 17.
Transmission and control mechanism. L. F. Nenninger. 1,859,242; May 17.
Transmission and control mechanism for machine tools. J. B. Armitage and R. E. Saving. 1,855,795; Apr. 12.
Transmission and steering mechanism. R. H. White. 1,872,541; Aug. 16.
Transmission and torque-amplifying system, Synchronous. B. A. Wittkuhns. 1,881,011; Oct. 4.
Transmission apparatus. L. F. Meunier. 1,864,844; June 28.
Transmission appliance, Adjustable. B. Grossbard. 1,839,670; Jan. 5.
Transmission, Automatic. O. H. Banker. 1,843,193; Feb. 2.
Transmission, Automatic. E. R. Holmes. 1,863,985; June 21.
Transmission, Automatic variable speed. N. E. Moxley. 1,884,595; Oct. 25.
Transmission, Automobile. A. D. Garrison. 1,886,003; Nov. 1.
Transmission, Automotive. P. MacKenzie. 1,875,386; Sept. 6.
Transmission brake, Safety. H. Morier. 1,852,935; Apr. 5.
Transmission, Compensating for distortion in. A. R. A. Kendall and E. K. Sandeman. 1,866,601; July 12.
Transmission control. R. C. Mathes. 1,850,593; Mar. 22.
Transmission control. R. C. Mathes. 1,852,584; Apr. 5.
Transmission control device, Friction. F. A. Hayes. 1,861,008; May 31.
Transmission controlling mechanism. P. E. Matthews. 1,866,662; July 12.
Transmission device. C. W. Weiss. 1,850,189; Mar. 22.
Transmission, Device for automatic telegraphic. M. Pupulin. 1,845,799; Mar. 8.
Transmission device for automotive vehicles. J. F. Runkle. 1,863,639; June 21.
Transmission device for motor vehicles. J. A. Gregoire. 1,874,505; Aug. 30.
Transmission device, Hydraulic. G. E. Zahn. 1,886,774; Nov. 1.
Transmission device, Speed reducing. P. Scheuer. 1,870,875; Aug. 9.
Transmission, Electro optical. F. Gray. 1,871,266; Aug. 9.
Transmission, Electrooptical. H. E. Ives. 1,878,147; Sept. 20.
Transmission, Facsimile. F. Schröter. 1,884,288; Oct. 25.
Transmission for internal combustion engines. L. F. Chase. 1,855,222; Apr. 26.
Transmission for motor vehicles, Motion. C. P. Truran. 1,885,149; Nov. 15.
Transmission for phonographs. M. Weil. 1,877,707; Sept. 13.
Transmission for vehicle wheels. E. A. Corbin, jr. 1,859,362; Nov. 29.
Transmission, Four speed step-down. P. L. Tenney and H. E. Fidler. 1,884,380; Oct. 25.
Transmission, Friction. J. Ehrlich and J. O. Almen. 1,844,464; Feb. 9.
Transmission, Friction. F. A. Hayes. 1,856,249; May 3.
Transmission, Friction. F. A. Hayes. 1,867,149; July 12.
Transmission, Hydraulic. J. P. Ferris. 1,848,006; Mar. 1.
Transmission, Hydraulic. W. Ferris. 1,854,127; Apr. 12.
Transmission, Hydraulic. E. L. Murphy. 1,883,881; Nov. 22.
Transmission, Hydraulic. O. E. Rosen. 1,852,335; Apr. 5.
Transmission, Hydraulic. J. S. Wentworth. 1,864,568; June 28.
Transmission, Hydraulic power. C. R. Button and M. E. Esty. 1,887,229; Nov. 8.
Transmission line. A. O. Austin. 1,848,071; Mar. 1.
Transmission line. A. O. Austin. 1,885,504; Nov. 1.
Transmission line. H. O. Peterson. 1,860,052; May 24.
Transmission line. F. Slepian. 1,844,909; Feb. 9.
Transmission line clamp. W. P. Lark. 1,841,292; Jan. 12.
Transmission line construction. A. O. Austin. 1,847,422; Mar. 1.
Transmission-line device. T. B. Fleming. 1,888,715; Nov. 22.
Transmission line device. F. H. Miller. 1,870,781; Aug. 9.
Transmission line device. K. Pohlhausen. 1,872,605; Aug. 16.
Transmission-line protective system. S. B. Griscom. 1,878,774; Sept. 20.
Transmission line protective system. C. P. West. 1,864,444; Oct. 25.
Transmission line stability system. B. V. Hoard. 1,870,810; Aug. 9.
Transmission means, Manually selective variable. A. C. Peterson. 1,859,461; May 24.
Transmission measuring system. F. H. Best. 1,871,944; Aug. 16.
Transmission mechanism. C. E. F. Ahlm. 1,883,441; Oct. 18.
Transmission mechanism. R. Barclay. 1,855,899; Apr. 26.
Transmission mechanism. T. A. Beaney. 1,841,517; Jan. 19.
Transmission mechanism. W. D. Burton. 1,883,537; Oct. 18.
Transmission mechanism. L. K. Cheswright. 1,869,543; Aug. 2.
Traussmission mechanism. B. H. Flynn. 1,871,975; Aug. 16.
Transmission mechanism. S. M. Friedman. 1,847,645; Mar. 1.
Transmission mechanism. F. Götz. 1,857,017; May 3.
Transmission mechanism. B. Hall. 1,845,083; Jan. 26.
Transmission mechanism. C. Sifton. 1,861,482; June 7.
Transmission mechanism. C. Sifton and L. K. Cheswright. 1,867,548; July 5.
Transmission mechanism. K. J. Strigl. 1,892,021; Dec. 27.
Transmission mechanism. H. T. Thomas, J. Bethune, and A. B. Hays. 1,885,156; Nov. 1.
Transmission mechanism. W. W. Wells. 1,842,485; Jan. 26.
Transmission mechanism, Accelerating. F. H. Stolp. 1,888,479; Nov. 22.
Transmission mechanism, Automatic. J. B. Fulton. 1,848,216; Mar. 8.

Transmission mechanism, Differential power. O. E. Law. 1,887,205; Nov. 8.
Transmission mechanism for axle driven indicators. P. F. Huber. 1,867,508; July 12.
Transmission mechanism for hoisting apparatus. H. W. Baum. 1,839,368; Jan. 5.
Transmission mechanism for motor vehicles. F. M. Barfelme. 1,864,522; June 28.
Transmission mechanism for tractors and the like. K. E. Moree. 1,852,126; Apr. 5.
Transmission mechanism, Hydraulic. J. J. Kleschka. 1,857,090; May 3.
Transmission mechanism, Hydraulic. F. H. Shepard, jr. 1,870,824; Aug. 9.
Transmission mechanism, Shifting means for. E. J. Barth. 1,861,776; June 7.
Transmission mechanism, Speed changing. J. J. McCarthy. 1,867,227; July 12.
Transmission mechanism, Variable. W. P. Albert. 1,866,614; July 12.
Transmission mechanism, Variable speed hydraulic power. H. K. Williams and B. E. Sczuck. 1,840,268; Jan. 5.
Transmission, Motor vehicle. J. G. Vincent. 1,878,556; Sept. 20.
Transmission, Multiple speed. W. Roberts. 1,885,857; Nov. 1.
Transmission, Multiplex. C. R. Hanna. 1,849,488; Mar. 15.
Transmission network. W. R. Bennett. 1,849,656; Mar. 15.
Transmission network, Electrical voice. T. H. Turney. 1,869,031; July 26.
Transmission of colored pictures. R. Schmook. 1,854,315; Apr. 19.
Transmission of messages, Electrical. B. E. Eldred. 1,870,989; Aug. 9.
Transmission of power, Apparatus for the hydraulic. T. E. Beaumont and J. N. Waring. 1,862,045; June 7.
Transmission of selector impulses or the like over duplexed lines. H. Jaski. 1,845,571; Feb. 16.
Transmission or brake, Rotary. S. Barton. 1,886,624; Nov. 8.
Transmission, Overdrive. C. H. Powell. 1,881,931; Oct. 11.
Transmission, Overgear. R. Beringer and E. W. Seaholm. 1,883,869; Oct. 25.
Transmission, Planetary friction. A. W. Gardiner and J. Enrlich. 1,867,553; July 19.
Transmission, Planetary friction. J. H. Hunt. 1,868,234; July 19.
Transmission regulating system. C. S. Demarest. 1,872,366; Aug. 30.
Transmission regulating system. W. H. T. Holden. 1,874,530; Aug. 30.
Transmission regulation. S. Brand. 1,885,798; Nov. 1.
Transmission regulator system. R. C. Cordeman. 1,871,959; Aug. 16.
Transmission regulator system. T. D. Dutton. 1,849,141; Mar. 15.
Transmission, Rotary. W. E. Goldsborough. 1,872,933; Aug. 23.
Transmission shifting device, Dual. P. S. Eckland and G. Ryden. 1,863,972; June 21.
Transmission shifting device for vehicles having two engines. P. S. Eckland and G. Ryden. 1,864,644; June 28.
Transmission, Speed. L. A. Bixby. 1,886,154; Nov. 1.
Transmission, Synchronizing. P. L. Tenney. 1,886,859; Nov. 8.
Transmission synchronizing device. J. G. Vincent and A. Monfrouse. 1,867,225; May 10.
Transmission system. I. F. Byrnes. 1,857,137; May 10.
Transmission system. S. I. Cory. 1,857,238; May 10.
Transmission system. S. Doba. 1,854,828; Apr. 19.
Transmission system. H. C. Ford and H. L. Tanner. 1,874,094; Aug. 30.
Transmission system. L. A. Gebhard. 1,882,074; Oct. 11.
Transmission system. E. H. J. C. Gillett. 1,882,805; Oct. 18.
Transmission system. E. H. J C. Gillett. 1,882,807; Oct. 18.
Transmission system. C. W. Hansell. 1,874,978; Aug. 30.
Transmission system. J. L. Hogg and S. Doba. 1,853,974; Apr. 12.
Transmission system. F. H. Kroger. 1,876,971; Sept. 13
Transmission system. B. B. Minnium. 1,859,103; May 17.
Transmission system. W. T. Rea. 1,857,258–9; May 10.
Transmission system, Concentric conductor. E. I. Green. 1,885,136; Nov. 1.
Transmission system for telephony. E. K. Sandeman. 1,885,144; Nov. 1.
Transmission system, High frequency. A. H. Taylor. 1,878,252; Sept. 20.
Transmission system, Impulse and wave. W. S. Gorton. 1,881,041; Oct. 4.
Transmission system, Multiple channel. A. H. Taylor. 1,861,370; May 31.
Transmission system, Multiplex phase discrimination. S. Brand and P. Mertz. 1,854,247; Apr. 19.
Transmission system, Self synchronous. E. A. and E. A. Sperry, jr. 1,850,640; Mar. 22.
Transmission system, Self-synchronous. E. A. and E. A. Sperry, jr. 1,850,780; Mar. 22.
Transmission system switch. T. Panzerbieter and W. Nagel. Re18,553; Aug. 2.
Transmission unit. L. P. A. Rieger. 1,846,277; Feb. 23.
Transmission unit, Flexible. C. O. Thomas. 1,857,679; May 10.
Transmission, Variable. A. Jarmann. 1,863,598; June 21.
Transmission, Variable speed. H. B. Greening and J. W. Holloway. 1,854,403; Apr. 19.
Transmission, Variable speed hydraulic. G. E. Zahn. 1,846,932; Feb. 23.
Transmission, Variable speed power. F. Ljungstrom. 1,881,234; Oct. 4.
Transmissions, Shifting mechanism for multi-speed. J. L. Matthews and S. H. Lilleroth. 1,844,292; Feb. 9.
Transmitter. D. T. Eighmey. Des. 87,387; July 19.
Transmitter. F. H. Kroger. 1,848,133; Mar. 8.
Transmitter. D. J. Stewart and G. F. Drake. 1,844,449; Feb. 9.
Transmitter and receiver, Thermionic. G. Schotel. 1,885,770; Nov. 1.
Transmitter, Automatic. J. L. Finch. 1,844,950; Feb. 16.
Transmitter cut-out switch. J. F. Mitchell. 1,881,834; Oct. 11.
Transmitter electron tube. R. B. Meyer. 1,875,091; Aug. 30.
Transmitter, Facsimile. H. M. Elsey and L. R. Phillpott. 1,877,566; Sept. 13.
Transmitter for fire alarm systems. G. F. Harter. 1,875,810; Sept. 6.
Transmitter for fluid pressure and electric current. W. F. Cahoon. 1,880,780; Oct. 4.
Transmitter for remote control indicator systems. K. Wilde. 1,843,435; Feb. 2.
Transmitter, High frequency. D. H. Vance. 1,840,140; Jan. 5.
Transmitter, Impulse. H. W. Goff. 1,860,535; May 31.
Transmitter, Impulse. W. A. Rhodes. 1,866,669; July 12.
Transmitter of variably biased impulses. E. F. Watson and A. E. Hunt. 1,847,151; Mar. 1.
Transmitter, Signaling. M. Hanley. 1,879,934; Sept. 27.
Transmitter, Succession. B. H. Smith. 1,843,991; Feb. 9.
Transmitter system. J. W. Cook. 1,839,650; Jan. 5.
Transmitter, Telegraph tape. S. W. Rothermel. 1,842,122; Jan. 19.
Transmitter, Voice. H. W. Adams. 1,867,200; July 12.
Transmitters and sound receivers on ships, Arrangement of sound. H. Hecht. 1,872,946; Aug. 23.
Transmitters, System for keying. W. Moser. 1,882,862; Oct. 18.
Transmitting and receiving short waves, Arrangement for. A. Meissner. 1,858,679; May 17.
Transmitting member for friction clutches. E. V. J. Tower. 1,855,533; Apr. 26.
Transmitting messages over a telephone line, Apparatus for automatically. R. F. Thornton. 1,843,849; Feb. 2.
Transmitting system. P. C. Gardiner. 1,888,077; Nov. 15.
Transmitting system. L. A. Gebhard. 1,866,459; July 5.
Transmitting system. L. A. Gebhard. 1,873,837; Aug. 23.
Transmitting system. C. W. Hough. 1,863,374; June 14.
Transom operator. G. S. van Schaick. 1,842,887; Jan. 26.
Transparent material, Corrugated. F. A. Delano. 1,886,445; Nov. 8.
Transparent trap. M. B. Pryce. 1,884,855; Oct. 25.
Transplanter. E. H. Lamiell. 1,878,412; Sept. 20.
Transplanter. T. H. Oppenheim. 1,851,936; Mar. 29.
Transplanting device. J. G. Butts. 1,889,820; Dec. 6.
Transplanting machine. P. Bäcle. 1,848,865; Mar. 8.
Transplanting machine. F. D. Winkley. 1,886,457; Nov. 8.
Transport. R. B. Simning. 1,841,066; Jan. 12.
Transportation device. T. L. McLaughlin. 1,860,747; May 31.
Transportation system, Elevated. J. D. Bell. 1,846,021; Feb. 23.
Transporting and depth regulating wheel. G. E. Karl. 1,884,719; Oct. 25.
Transporting means for liquids. L. Schottgen. 1,892,519; Dec. 27.
Transporting mechanism for book match making machines. A. Shroff, J. Dill, and E. Van Hoofstadt. 1,880,112; Sept. 27.
Trap: See—
All metal box trap. Mouse trap.
Animal trap. Muskrat trap.
Beetle trap. Parachute trap.
Box trap. Radiator return trap.
Burglar trap. Radiator trap.
Crow trap. Rat and mouse trap.
Crustacean trap. Rat or mouse trap.
Drip trap. Rat trap.
Entrainment trap. Roach trap.
Game trap. Sand trap.
Gas trap. Screen fly trap.
Grease trap. Seal trap.
Insect trap. Spring trap.
Jaw trap. Steam radiator trap.
Liquid container trap. Steam trap.
Locomotive sanding trap. Target trap.
Mite trap. Thermostatic trap.
Mosquito trap. Transparent trap.
Mouse and rat trap. **Waste trap.**
Trap. V. Bailey. 1,860,378; May 31.
Trap, L. Basso. 1,857,932; May 10.
Trap. R. H. Carson. 1,879,791; Sept. 27.

Trap. R. D'Amato. 1,892,423; Dec. 27.
Trap. C. L. Hancock. 1,881,530; Oct. 11.
Trap. J. T. Hebert. 1,840,581; Jan. 12.
Trap. E. M. Johnson. 1,890,183; Dec. 6.
Trap. A. F. Kasper. 1,879,124; Aug. 2.
Trap. A. M. McCrea. 1,880,326; Oct. 4.
Trap. A. McMullen. 1,859,405; May 24.
Trap. A. McMullen. 1,886,114; Nov. 1.
Trap. Z. Polaire. 1,865,044; June 28.
Trap. J. Schulke. 1,881,182; Mar. 4.
Trap. H. A. Smith. 1,846,226; Feb. 23.
Trap and test fitting, Combined. E. Kennedy. 1,875,615; Sept. 6.
Trap for basins and the like, Waste. P. Thelen. 1,856,003; Apr. 26.
Trap for catching wild bees. W. A. Grover. 1,864,431; June 21.
Trap for ice fishing. F. Minutilli. 1,870,782; Aug. 9.
Trap for liquid pressure lines, Air. W. L. Marden. 1,856,105; May 3.
Trap for rectifiers or converters, Back-fire. W. Bohraus. 1,858,616; May 17.
Trap for vapor heating systems, Duplex thermostatic. G. E. Barlow. 1,844,553; Feb. 9.
Trap nest. J. A. Johnston. 1,891,161; Dec. 13.
Trap or interceptor, Grease. B. A. Hertsch. 1,856,099; May 3.
Trap set. J. W. Martin. 1,858,713; May 17.
Trap setting plow. C. C. Mills. 1,868,714; July 26.
Traps, Apparatus for blanking and forming jaws for steel, J. D. Zahm. 1,860,328; May 31.
Trash burner, Portable. J. H. Grinter. 1,847,004; Feb. 23.
Trash disposal plant. J. F. Coleman. 1,850,989; Mar. 22.
Travelbag. J. M. Brady. 1,849,565; Mar. 15.
Traveling bag. A. Kaufmann. 1,859,970; May 24.
Traveling bag. N. Lish. 1,873,773; Aug. 23.
Traveling bag. C. Rath. 1,841,154; Jan. 12.
Traveling case. J. A. Luttmann. 1,891,025; Dec. 13.
Traveling case. S. Marella. 1,885,849; Nov. 1.
Traveling case. J. H. Plotkin. 1,871,197; Aug. 9.
Traveling case, Wardrobe. T. M. House. 1,872,084; Aug. 16.
Traverse equipment. W. C. Kenney and G. M. Kenney. 1,878,526; Sept. 20.
Traverse mechanism. P. J. Thomas. 1,856,004; Apr. 26.
Traverse mechanism for grinding machines, Table. H. A. Silven. 1,859,098; May 17.
Trawl runner. M. H. Tibbetts. 1,845,102; Feb. 16.
Tray. O. B. Andrews. 1,842,379–80; Jan. 26.
Tray. F. Cook. 1,887,732; Nov. 15.
Tray. S. A. Neidich. 1,888,046; Nov. 15.
Tray. S. I. Picker. Des. 87,540–1; May 9.
Tray. F. E. Swallow. 1,883,139; Nov. 1.
Tray. F. C. Tams. Des. 86,588; Mar. 22.
Tray, Advertising change. E. Brunhoff. 1,839,948; Jan. 5.
Tray, Advertising change receiving. A. Milaika and A. Wiese. 1,875,931; Sept. 6.
Tray and candle holder, Combined. A. Meng. Des. 86,741; Apr. 12.
Tray and cigar lighter, Combination ash. A. H. Masters. Des. 87,474; Aug. 2.
Tray and cigar rest, Ash. A. Brandt. 1,880,752; Oct. 4.
Tray and cigarette extinguisher, Combination ash. K. Meyer. 1,887,696; Nov. 15.
Tray and extinguisher, Ash. R. A. Schlegel. 1,882,973; Oct. 18.
Tray and incense burner, Combined ash. G. R. McAllaster. Des. 87,013; May 24.
Tray and lamp standard, Combination. E. Ziegler. Des. 87,285; June 28.
Tray and making the same, Open bottom ventilated paper. J. J. Hess. 1,863,384; June 14.
Tray and pin cushion, Combination service. J. Blenker. Des. 88,285; Nov. 15.
Tray and razor sharpener, Combined ash. W. R. Canon and W. P. Pennington. Des. 87,384; July 19.
Tray and receptacles for smokers, Combined. J. Ackerman. Des. 88,493; Dec. 6.
Tray and receptacles for toilet preparations, Combined. E. Taylor. Des. 88,269; Nov. 8.
Tray and stand, Combination ash. B. Putterman. Des. 88,822; Dec. 27.
Tray and stand for smokers' articles, Combination ash. V. Vanshura. Des. 86,148–9; Feb. 2.
Tray and table, Combination. L. H. Burlin. 1,872,669; Aug. 23.
Tray and table for automobiles, Combination serving. F. Merkin. 1,852,166; Apr. 5.
Tray, Annealing. H. A. Delano. 1,843,946; Feb. 9.
Tray, Ash. B. H. Hall. 1,873,120; Aug. 23.
Tray, Ash. T. B. Hannon. Des. 86,773; Apr. 19.
Tray, Ash. J. Hess. Des. 86,918; May 10.
Tray, Ash. J. Kirkpatrick. Des. 85,983; Jan. 12.
Tray, Ash. B. G. Larrabee. Des. 87,752; Sept. 13.
Tray, Ash. J. Lill. 1,874,319; Aug. 30.
Tray, Ash. T. R. Moss. 1,888,009; Nov. 15.
Tray, Ash. S. A. Northup. Des. 85,989; Jan. 12.
Tray, Ash. R. B. Staley. Des. 86,895–6; May 3.
Tray, Ash. H. S. Watson. 1,887,896; Nov. 15.
Tray, Ash. E. J. Zwemer. Des. 87,471; Aug. 2.
Tray, Automatically extensible and collapsible. K. O. Schauman. 1,888,740; Nov. 22.
Tray, Card. G. H. Dawson. 1,880,863; Oct. 4.
Tray, Card holding. G. H. Dawson. 1,882,782; Oct. 18.
Tray, Card table. G. A. Noetzel. 1,872,491; Aug. 16.
Tray, Child's portable. T. E. Lane and C. H. Welch, Jr. 1,878,864; Sept. 20.
Tray composed of nested elements, Multiple ash. L. Lentant. 1,886,109; Nov. 1.
Tray, Currency. J. W. Holliday. 1,857,305; May 10.
Tray, Deal. E. C. Hanson and S. R. Popp. 1,882,835; Oct. 18.
Tray, Dentist's bite. V. M. Gregg. 1,850,453; Mar. 22.
Tray, Desk. J. E. Bales. 1,890,143; Dec. 6.
Tray, Detachable service. W. L. McGinley. 1,885,615; Nov. 1.
Tray, Detachable soap. E. H. Williamson. 1,848,450; Mar. 8.
Tray, Display. K. Bodoglou. 1,861,835; June 7.
Tray drier, Descending. O. W. Randolph. 1,881,062; Oct. 4.
Tray drier, Multiple. O. W. Randolph. 1,881,063; Oct. 4.
Tray, Filing. S. Smiley, jr. 1,863,946; June 21.
Tray for automobiles, Ash. T. W. Kupfer. 1,863,988; June 21.
Tray for brooders. C. N. Peterson. 1,850,215; Mar. 22.
Tray for card tables, Counter-sunk ash. M. Bothwell. 1,876,559; Sept. 13.
Tray for hospital beds. B. O. Horner. 1,841,264; Jan. 12.
Tray for mechanical refrigerators, Ice. G. H. Kennedy, Jr. 1,868,503; July 26.
Tray for mechanical refrigerators, Ice. G. H. Kennedy, Jr. 1,889,481; Nov. 29.
Tray for refrigerating units. F. C. Geller. Re18,650; Nov. 8.
Tray for refrigerators, Freezing. M. Lovell and V. Sussin. 1,870,368; Sept. 27.
Tray for slicing machines, Display. H. Thomas. 1,878,202; Sept. 20.
Tray freezing. R. H. Chilton. 1,865,456; July 5.
Tray, Freezing. R. H. Chilton. 1,882,775; Oct. 18.
Tray, Freezing. L. J. Gold. Des. 88,226; Nov. 8.
Tray, Freezing. A. W. Scott. 1,873,218; Aug. 23.
Tray, Heated. G. Keul. 1,871,705; Aug. 16.
Tray, Ice. J. J. Mitchell. 1,879,400; Sept. 27.
Tray, Ice. E. P. S. Newman. 1,868,070; July 19.
Tray, Ice cube. H. B. Turner. 1,858,124; May 10.
Tray, Incubator. E. Brandt. 1,889,493; Nov. 29.
Tray, Incubator. M. Poppleton. 1,857,568; May 10.
Tray, Jewelry. E. W. Berg. 1,872,649; Aug. 23.
Tray, Laundry tub. G. Hartfield. Des. 88,227; Nov. 8.
Tray, Luggage. W. H. Bracken. 1,842,578; Jan. 26.
Tray mechanism for bake ovens, Invertible. G. Heuwing. 1,849,709; Mar. 15.
Tray mounting means for attachment to beds. B. O. Horner. 1,876,230; Sept. 6.
Tray, Multiple. M. Gilbert. 1,862,010; June 7.
Tray, Novelty ash. H. Jacobs. Des. 86,775; Apr. 19.
Tray, Open bottom ventilated paper. J. J. Hess 1,891,928; Dec. 27.
Tray or like article, Well ash. L. M. Schnitzer. Des. 86,413–14; Mar. 1.
Tray or similar article, Ash. D. W. Haber. Des. 86,716; Apr. 12.
Tray or similar article, Ash. H. Underberg. Des. 86,872; Apr. 26.
Tray or similar article, Serving. P. B. Vallé. Des. 87,986; Oct. 18.
Tray, Posting. V. W. Gideon. 1,881,476–7; Oct. 11.
Tray, Refreshment. P. S. Park. 1,888,756; Nov. 22.
Tray, Service. A. S. Goforth. 1,870,109; Aug. 2.
Tray, Service. T. W. Milner. 1,850,599; Mar. 22.
Tray, Serving. R. O. Clark. Des. 87,203; June 21.
Tray, Serving. W. M. James. 1,872,740; Aug. 23.
Tray, Serving. A. W. Porter. Des. 87,682; Aug. 30.
Tray, Shaker. A. Lollo. Des. 86,727; Apr. 12.
Tray, Shaker. A. Lollo. Des. 86,885; May 3.
Tray, Smoker's ash. J. Fairbanks. 1,891,044; Dec. 27.
Tray, Supporting. H. H. Kuhlmann. 1,877,183; Sept. 13.
Tray supporting device. D. G. Gayle. 1,843,391; Feb. 2.
Tray table. W. C. Wetmore and R. H. Seeley. 1,853,526; Apr. 12.
Tray unloader. H. B. Miller. 1,879,393; Sept. 27.
Tray, Visible index. R. A. Furlong. 1,891,378; Dec. 20.
Tray, Visible index card. R. A. Furlong. 1,854,831; Apr. 19.
Tread device for vehicle wheels. H. Hürlimann. 1,863,431; June 14.
Tread elements for vehicle tires, Manufacture of. R. B. Respess. 1,864,937; June 28.
Tread link. A. P. Armington. 1,890,444; Dec. 13.
Tread link. A. P., S. F., and G. E. Armington. 1,854,013; Apr. 12.
Tread linkage. A. P. Armington. 1,869,002; July 26.
Tread member, Detachable. B. Rubin. 1,844,182; Feb. 9.
Tread plate. R. L. Wheeler. Des. 88,184; Nov. 1.
Tread plate. R. L. Wheeler. Des. 88,836; Dec. 27.
Tread stitcher, Motor driven. F. G. Reed and N. L. Cornell. 1,865,540; July 5.
Tread strip forming machine. H. A. Weaver. 1,839,429; Jan. 5.
Tread structure for antiskid chains. P. M. Hall. 1,889,094; Nov. 29.
Tread structure for anti-skid devices for vehicle wheels. J. R. Reyburn. 1,846,359; Feb. 23.
Tread switch. G. G. Hill. 1,889,602; Nov. 29.

Treads from tires, Method and apparatus for removing. W. B. Freeman, 1,869,680; Aug. 2.
Treadle mechanism, F. E. Bertrand, 1,853,495; Apr. 12.
Treadle mechanism, H. A. Rising, 1,853,149; Apr. 12.
Treadle-switch, R. J. Parsons, 1,886,497; Nov. 8.
Treadle, Warper, H. A. Leonard, 1,857,649; May 10.
Treadles for pressing machines and the like, T. G. Jasper, 1,856,767; May 3.
Treater using high tension reactance, H. F. Fisher, 1,864,723; June 28.
Treater with variable pressure, W. F. Van Loenen, 1,847,541; Mar. 1.
Treating products, U. G. Todd, 1,890,475; Dec. 13.
Tree; see—
Shoe tree.
Tree, Artificial, F. W. Mayer, Des. 86,466; Mar. 8.
Tree, Display, W. Favreau, 1,881,423; Oct. 11.
Tree guard, W. McChesney, sr., and M. C. Northrup, 1,874,779; Aug. 30.
Tree protector, E. N. Molitor, 1,879,813; Sept. 27.
Tree removing apparatus, P. H. Davey, 1,879,120; Sept. 27.
Tree stand, T. E. Propst, 1,874,119; Aug. 30.
Tree surgery, F. Salathe, jr, 1,844,372; Feb. 9.
Tree trimmer, H. H. Hall, 1,863,349; July 19.
Treeing jack, J. D. Krive, 1,865,019; June 28.
Treeing machine, J. W. Loney, 1,843,984; Feb. 9.
Trees, Anchoring transplanted, M. L. Condon, 1,874,029; Aug. 30.
Trees, Apparatus for treating fruit, T. W. Johnson, 1,864,198; June 21.
Trees to props, Fastening, O. Weber, 1,844,024; Feb. 9.
Trellis for building construction, M. J. Sherry, 1,851,452; Mar. 29.
Tremolo effects, Apparatus for producing, C. O. Kauffman, 1,839,395; Jan. 5.
Trench soldier, H. J. Bentson, 1,858,727; May 17.
Trenching machine, C. L. George, 1,852,048; Apr. 5.
Trenching machine, C. L. George, 1,892,526; Dec. 27.
Trenching machine, C. L. George and W. G. Van Voorhis, 1,892,525; Dec. 27.
Trenching machine, J. H. Macdonald, 1,871,856; Aug. 16.
Trenching machine, G. A. Vaughn and C. L. George, 1,892,521; Dec. 27.
Trestle, Adjustable elevating, P. E. Goodwin, 1,851,668; Mar. 29.
Trestle assembling device, C. T. Strand, 1,876,787; Sept. 13.
Trestle or saw horse, W. C. and M. W. Risbridger, 1,846,144; Feb. 23.
Trialkali phosphates, Production of, C. Von Girsewald, H. Wagner, and O. Roesner, 1,887,415; Nov. 8.
Triarylcarbinols, Manufacture of, S. Coffey, 1,873,290; Aug. 23.
Tri-calcium phosphate and aluminum phosphate composition salt filler, W. G. Warning and T. W. Schilb, 1,865,733; July 5.
Tricalcium saccharate rich in sugar and poor in lime and of a very high degree of purity, Obtaining, C. Steffen, jr, 1,850,036; Mar. 15.
Trichloro ethyl urethane salt of 4-dimethyl amino-1-phenyl-2,3-dimethyl pyrazolone, J. Callsen, 1,871,950; Aug. 16.
Trigger and safety mechanism for sporting guns, R. Von Frommer, 1,840,478; Jan. 12.
Trigger device for firearms, A. J. Lahti, 1,887,690; Nov. 15.
Trigger guard, G. L. Jessup, 1,887,308; Nov. 8.
Trigger mechanism, J. D. Pollard, 1,839,586; Jan. 5.
Trigger mechanism for double barrelled firearms, Single, H. B. Howland, 1,889,049; Nov. 29.
Trigger mechanism for multiple-barrel fire arms, Single, L. Stiennon, 1,890,005; Dec. 6.
Trigger mechanism, Single, J. Browning, 1,870,552; Aug. 9.
Triglycerides mutually or with other esters, Converting neutral or nearly neutral, C. Van Loon, 1,873,513; Aug. 23.
Trim and drip molding, Collapsible, E. J. Welch, 1,843,637; Feb. 2.
Trim for turf borders, W. L. Jarchow, 1,879,281; Sept. 27.
Trim for windows, doors, etc, H. J. Strong, 1,849,412; Mar. 15.
Trim strip installation, Snap fastener secured, R. F. Walters, 1,845,991; Feb. 16.
Trim stud, Self locking floating, P. E. Fenton, 1,861,117; May 31.
Trimmer; see—
Asparagus trimmer.
Edge trimmer.
Grass trimmer.
Hedge trimmer.
Lawn edge trimmer.
Lawn trimmer.
Paper trimmer.
Tree trimmer.
Trimmer and the like, Edge, F. W. Merrick, 1,869,434; Aug. 2.
Trimmer and the like, Hedge, R. K. Ortt, 1,877,032; Sept. 13.
Trimmer for battery separators, L. P. Erpelding, 1,839,383; Jan. 5.
Trimmer for sprinkling system nozzles, Grass, C. E. Johnson, 1,857,383; May 10.
Trimmer or grass cutter, E. K. Miles, 1,849,682; Mar. 15.
Trimming and coring machine, Artichoke, G. D. Gardner, 1,886,388; Nov. 8.
Trimming device, E. E. Edgren, 1,869,369; Aug. 2.
Trimming device for airplanes, T. P. Leaman, 1,867,162; July 12.
Trimming device, Portable, S. J. Haddad, 1,871,606; Aug. 16.
Trimming flat parts, Apparatus for, L. C. Goad, 1,863,303; June 14.
Trimming for dresses and the like, J. Mosmann, 1,886,572; Nov. 8.
Trimming machine, F. N. Brackett and L. C. Williams, 1,858,033; May 10.
Trimming machine, M. F. Brogan, 1,882,061; Oct. 11.
Trimming machine, J. M. Cooke, 1,891,257; Dec. 20.
Trimming machine, J. A. Horne, 1,855,793; Apr. 26.
Trimming machine, S. J. Finn, 1,850,097; Mar. 22.
Trimming machine, J. B. Hadaway, Re18,375; Mar. 8.
Trimming machine, P. R. Hoopes, 1,862,538; June 14.
Trimming machine, E. J. Ray, 1,856,137; May 3.
Trimming machine, A. Van Veen, 1,862,990; June 14.
Trimming machine for bearing sleeves, H. L. Johnson and B. Stockfleth, 1,848,350; Mar. 8.
Trip device, Automatic, A. Rasmussen and W. S. Goodell, 1,858,402; May 3.
Tripod for use in harvesting crops, Collapsible, A. Proctor, 1,891,577; Dec. 20.
Tripod, C. A. Wright, 1,849,898; Mar. 15.
Tripod, O. U. Zerk, 1,883,276; Oct. 18.
Tripod or similar support, H. K. Dalton, 1,859,289; May 24.
Tripping device, W. L. McNamara, 1,881,824; Oct. 11.
Tripping device, Adjustable, N. W. Dorman, 1,885,420; Nov. 1.
Tripping mechanism for dumping scoops, R. R. Downie, 1,850,589; Mar. 22.
Trisodium phosphate crystals, Treating, I. G. Ammen, 1,883,447; Oct. 18.
Trisazodyestuffs, New secondary, E. Fellmer and H. Hoyer, 1,858,211; May 3.
Trocar, E. B. Donovan, 1,882,213; Oct. 11.
Trocar, G. H. Slaughter, 1,845,727; Feb. 16.
Trolley, A. Vigue, 1,843,963; Feb. 9.
Trolley, Bathing, C. O. Harris and H. W. Cadwell, 1,873,196; Aug. 23.
Trolley bucket, G. L. Morehead and C. M. Young, jr, 1,859,109; Oct. 25.
Trolley bucket installation, H. E. Hallenbeck, 1,848,009; Mar. 1.
Trolley, Crane, O. Hively, 1,875,730; Sept. 6.
Trolley device, S. S. Matthes, 1,844,405; Feb. 9.
Trolley, Drip frame, F. C. Harris, 1,869,422; Aug. 2.
Trolley ear, M. Zass, 1,876,738; May 13.
Trolley ears, Making, F. A. Klohs, 1,851,437; Mar. 29.
Trolley for bathing beaches, H. A. Thiel, 1,859,180; May 17.
Trolley frame, W. H. Juergens, 1,858,895; May 17.
Trolley hanger switch, F. Scaff, 1,845,195; Feb. 16.
Trolley harp and wheel structure, S. Maggio, Re18,663; Nov. 22.
Trolley head, E. A. Larrson, 1,890,946; Dec. 13.
Trolley head, E. D. Moore, 1,864,026; June 21.
Trolley retriever, L. B. Withers, 1,867,692; July 19.
Trolley shoe, W. Schaake, 1,841,552; Jan. 19.
Trolley slide with locking means, K. M. Wilkins, 1,864,456; Oct. 25.
Trolling and the like winch, C. M. and H. Akervick, 1,858,760; May 17.
Trolling device, J. Soltis and C. Rindgen, 1,889,707; Nov. 29.
Trolling lure, J. H. Martin, 1,852,620; Apr. 5.
Trombone, Slide, F. P. Petersen, 1,879,461; Sept. 27.
Tropochromic coating, K. C. D. Hickman and L. A. Staib, jr, 1,880,449; Oct. 4.
Trouble light for automobiles, T. J. Coolick, 1,858,538; May 17.
Trouble recording system, F. S. Irvine and T. H. Roberts, 1,843,174; Mar. 8.
Trough, M. H. Keating and A. W. Kegler, 1,851,847; Mar. 29.
Trough, A. W. Kegler, 1,851,846; Mar. 29.
Trough, Chicken, G. N. Devitt, 1,854,117; Apr. 12.
Trough, Feed, C. J. McCaughey, 1,847,351; Mar. 1.
Trough, Feed, F. M. Vogan, Des. 86,987; May 17.
Trough, Feeding, F. Hacker, 1,884,972; Oct. 25.
Trough for centrifugal casting machines, Runner, S. B. Clark, 1,849,072; Mar. 15.
Trough handling device, Hog feeding, H. O. Jenkins, 1,881,194; Oct. 4.
Trough, Liquid distributing, F. E. Hartmann, 1,840,947; Jan. 12.
Trough, Poultry feed, H. S. Speicher, 1,840,264; Jan. 5.
Trough, Poultry watering, L. R. Oakes, 1,851,682; Mar. 29.
Trough, Pouring, F. G. Carrington, 1,858,292; May 17.
Trough, Pouring, W. T. Ennor, 1,862,787; June 14.
Trough, Watering, W. A. Harris, 1,887,681; Nov. 15.
Troughs, Securing eaves, A. D. Kumpf, 1,846,601; Feb. 23.
Trouser hanger, L. Svancara, 1,890,169; Dec. 6.
Trousers, M. Ficcio, 1,861,383; May 31.
Trousers, L. F. Rosenbaum, 1,860,433; May 31.
Trousers, Athletic, F. P. Dwyer, Des. 86,113-4; Feb. 2.
Trousers hanger, W. E. Feldman, 1,876,139; Sept. 6.

Trousers. Method of and apparatus for stretching. A. Eskandarian. 1,866,553; July 12.
Trowel or similar article, Emblematic. K. Hatch. Des. 87,877; Oct. 4.
Trowel. Wall texture smoothing. D. R. Humphreys. 1,868,013; July 19.
Truck. F. J. Bentz. 1,886,782; Nov. 8.
Truck. C. M. Fahnestock. 1,852,452; Apr. 5.
Truck. H. T. Hallowell and F. Bennett. 1,879,214; Sept. 27.
Truck. W. P. Kellett. 1,888,767; Nov. 22.
Truck. F. G. Koehler. 1,870,633; Aug. 9.
Truck. J. H. Mosel. 1,875,103; Aug. 30.
Truck. A. H. Oelkers. 1,872,798; Aug. 23.
Truck. W. R. Robinson. 1,849,028; Mar. 8.
Truck. T. B. Runciman. 1,861,321; May 31.
Truck. W. H. Sommer. 1,861,145; May 31.
Truck. K. J. Unwin. 1,854,966; Apr. 19.
Truck. E. R. Walker. 1,877,095; Sept. 13.
Truck and bolster locking device, Railway. E. S. Beckette. 1,885,890; Nov. 1.
Truck and road drag, Combined dump. H. J. Nevin. 1,855,468; Nov. 1.
Truck and roller, Combination. E. V. Hoobler. 1,855,108; Apr. 19.
Truck and trailer, Combination toy. A. J. Decker. Des. 86,303; Feb. 23.
Truck attachment for pipe wrapping machines. K. H. Burton and H. Kramer. 1,880,771; Oct. 4.
Truck attachment for tractors. Fowler. G. B. Penner. 1,844,524; Feb. 9.
Truck, Automotive. C. L. Kissinger. 1,843,685; Feb. 2.
Truck axles and assembling of supported load carrying structures, Aligning the. M. G. Hilpert. 1,884,689; Oct. 25.
Truck body. E. P. Bordeaux. 1,891,301; Dec. 20.
Truck body. W. G. Mayer. 1,854,711; Apr. 19.
Truck body. M. Standish. 1,860,119; May 24.
Truck body. M. Standish. 1,884,333; Oct. 25.
Truck body. L. J. Styslinger. 1,857,796; May 10.
Truck body. E. S. Ziegler. 1,856,683; May 3.
Truck body construction. L. S. Hafner and E. H. Hautz. 1,890,257; Dec. 6.
Truck body, Refrigerator. W. S. Eubank. 1,841,367; Jan. 19.
Truck body, Refrigerator. E. J. Lockwood. 1,870,685; Aug. 9.
Truck body, Shock insulated. W. G. Mayer. 1,870,418; Aug. 9.
Truck bolster. M. H. Martin. 1,881,796; Oct. 11.
Truck bolster. T. H. Symington. 1,844,022; Feb. 9.
Truck bolster. A. H. Thomas and H. H. Wolfe. 1,869,229; July 26.
Truck, Brick handling. R. A. Fontaine. 1,849,424; Mar. 15.
Truck, Can or pail hand. C. B. Ward. 1,873,690; Aug. 23.
Truck, Car. H. W. Alden and N. R. Brownyer. 1,882,469; Oct. 11.
Truck, Car. C. J. Ellis. 1,885,191; Nov. 1.
Truck, Car. W. C. Hedgcock. 1,856,250; May 3.
Truck, Car. G. T. Johnson. 1,867,267; July 12.
Truck, Car. L. W. Melcher. 1,866,264; July 5.
Truck, Car. W. P. Richards. 1,848,069; Jan. 26.
Truck, Car. C. W. Sherman. 1,879,549; Sept. 27.
Truck, Car. H. D. Taylor. 1,858,473; May 17.
Truck chassis and platform. A. F. Masury. 1,842,038; Jan. 19.
Truck construction. O. Gleason and G. Boylan. 1,866,887; July 12.
Truck construction, Car. S. P. Bush. 1,853,601; Apr. 12.
Truck, Convertible hand. P. Ciccone. 1,862,299; June 7.
Truck coupling. F. G. Koehler. 1,848,956; Mar. 8.
Truck, Dump. H. P. Holmes. 1,878,851; Sept. 20.
Truck, Dumping. L. H. King. 1,842,986; Jan. 26.
Truck, Electric ice cream delivery. C. A. Ward and O. H. Froelich. 1,887,422; Nov. 8.
Truck, Electric locomotive. E. M. Shannon. 1,848,908; Mar. 8.
Truck, Elevating. D. E. Hennessy. 1,850,266; Mar. 22.
Truck, Engine. A. H. Oelkers. 1,872,797; Aug. 23.
Truck for handling rolls of the newsprint paper. T. Johansen and E. E. Kehoe. 1,887,134; Nov. 8.
Truck for harvesters, Steering. T. N. Pierson. 1,853,221; Apr. 12.
Truck for high speed interurban cars. J. H. Elliott and R. A. Norbom. 1,885,090; Oct. 25.
Truck for railroad vehicles. A. W. Bruce. 1,866,839; July 12.
Truck for railway cars. G. T. Johnson and A. H. Filander. 1,853,619; Apr. 12.
Truck for refrigerators, Service. B. B. Russell. 1,861,191; May 31.
Truck for sanding slippery roads. T. Padgett. 1,848,542; Mar. 8.
Truck for transporting locomotive and car wheels. R. R. Royal and W. M. Reams. 1,851,449; Mar. 29.
Truck for vehicles, Traction. R. A. Morton. 1,865,463; July 5.
Truck frame and journal box construction, Combination. G. Grandjean. 1,843,669; Feb. 2.
Truck frame construction. C. L. Eastburg. 1,864,508; June 21.
Truck, Freight car. J. J. Tatum. 1,867,114; July 12.
Truck, Hand. M. Jenkisky. 1,839,317; Jan. 5.
Truck, Hand. H. G. Lance. 1,860,810; May 31.
Truck, Hand. D. M. Watson and G. C. Muñoz. 1,840,293; Jan. 5.
Truck, Hand. D. M. Watson and G. C. Munoz. 1,860,331; May 24.
Truck, Hydraulic lift. G. G. Raymond. 1,841,673; Jan. 19.
Truck, Industrial. E. J. Abbe. 1,846,413; Feb. 23.
Truck, Industrial. E. J. Abbe. 1,873,894–5; Sept. 27.
Truck, Industrial. C. E. Cochran. 1,845,043; Feb. 16.
Truck, Industrial. C. E. Cochran. 1,879,096; Sept. 27.
Truck, Industrial. A. H. Gfrorer. 1,876,219; Sept. 6.
Truck, Industrial. E. J. Gray and E. J. Hoyes. 1,876,410; Sept. 6.
Truck, Industrial W. D. Parker. 1,865,784; July 5.
Truck, Industrial. E. H. Remde. 1,853,708; Apr. 12.
Truck, Industrial. E. H. Remde. 1,843,736; Feb. 2.
Truck, Industrial. E. H. Remde. 1,853,780; Apr. 12.
Truck, Industrial. E. H. Remde. 1,853,781; Apr. 19.
Truck, Industrial. E. H. Remde. 1,856,082; May 3.
Truck, Industrial. E. H. Remde. 1,858,903; May 17.
Truck, Industrial. E. H. Remde. 1,868,176; July 19.
Truck, Industrial. E. H. Remde. 1,870,067; Aug. 2.
Truck, Industrial. E. H. Remde. 1,870,689–90; Aug. 9.
Truck, Industrial. E. H. Remde. 1,873,762; Sept. 6.
Truck, Industrial. E. H. Remde. 1,882,696; Oct. 11.
Truck, Industrial. E. H. Remde. 1,883,319; Oct. 18.
Truck, Industrial. E. H. Remde. 1,884,861–2; Oct. 25.
Truck, Industrial. N. S. Towson. 1,884,907; Oct. 25.
Truck, Industrial. N. S. Towson. 1,862,287; June 7.
Truck, Lateral motion freight car. F. L. Barber and E. W. Webb. 1,857,345; May 10.
Truck, Lateral motion freight car. F. L. Barber and E. W. Webb. 1,872,102; Aug. 16.
Truck, Lift. W. Stuebing, jr. 1,878,726; Sept. 20.
Truck, Lift. W. Stuebing, jr. 1,884,358; Oct. 25.
Truck, Lifting. C. R. Fagin. 1,892,266; Dec. 27.
Truck, Lifting. W. Stuebing, jr. 1,844,944; Feb. 9.
Truck, Lifting. W. Stuebing, jr. 1,849,854; Mar. 15.
Truck, Lifting. W. Stuebing, jr. 1,865,712; July 5.
Truck, Lifting. W. Stuebing, jr. 1,885,646; Nov. 1.
Truck, Lifting hand. B. B. Russell and S. Porwancher. 1,850,969; Mar. 22.
Truck, Locomotive. F. W. Carter. 1,851,382; Mar. 29.
Truck, Locomotive trailer. E. M. Shannon. 1,888,183; Nov. 15.
Truck memes for handling materials, Skid and lift. E. H. Polk. 1,840,971; Jan. 12.
Truck mixer. J. Eggert. 1,872,624; Aug. 16.
Truck parts, Interlocking car. J. S. McPherson. 1,892,966; Jan. 3.
Truck, Pedal actuated elevating. D. E. Hennessy. 1,867,825–6; July 19.
Truck, Piano. S. J. Pehrsson. 1,887,067; Nov. 8.
Truck, Plate glass transporting. L. Rothbolz. 1,879,513; Sept. 27.
Truck, Radiator. J. C. Lamb. 1,890,390; Dec. 6.
Truck, Rail handling. F. C. Hettig. 1,851,313; Oct. 4.
Truck, Railroad. G. F. Starbuck. 1,865,220; June 28.
Truck, Railway. D. S. Barrows. 1,842,307; Jan. 19.
Truck, Railway. E. H. Blattner. 1,842,018; Jan. 19.
Truck, Railway. G. F. Couch. 1,843,065; Jan. 26.
Truck, Railway. E. Latshaw. 1,888,176; Nov. 15.
Truck, Railway car. M. H. Martin. 1,863,063; June 14.
Truck, Railway car. W. J. Meyer, J. C. Travilla and E. C. Jackson. 1,884,801; Oct. 25.
Truck, Railway car. W. H. Mussey. 1,862,156; June 7.
Truck, Railway car. T. H. Symington. 1,858,720; May 17.
Truck, Railway vehicle. F. L. McCafferty. 1,841,662; Jan. 19.
Truck, Refuse disposal. A. E. Masury. 1,862,756; June 14.
Truck, Shiftable body. R. A. Fontaine. 1,866,640; July 12.
Truck side frame. T. V. Buckwalter. 1,877,740; Sept. 13.
Truck side frame. C. B. Harbison. 1,868,529; July 26.
Truck, Six wheel tender. E. S. Keen. 1,874,306; Aug. 30.
Truck, Six-wheel tender. E. M. Shannon. 1,863,506; June 14.
Truck structure. C. Bethel. 1,842,241; Jan. 19.
Truck structure, Railway. E. G. Busse. 1,882,207; Oct. 11.
Truck, Tank. F. L. Hayes. 1,884,673; Oct. 25.
Truck, Tank holding one rail. T. J. Lynch. 1,875,248; Aug. 30.
Truck, Tilting dump. T. R. Alexander. 1,892,029; Dec. 27.
Truck, Tobacco. L. M. Goodwin. 1,851,094; Mar. 29.
Truck, Toy. A. J. Decker. Des. 86,302; Feb. 23.
Truck tractor, Convertible wheeled. W. Christie. 1,856,068; May 3.
Truck, Trailer. J. S. Keen and E. M. Shannon. 1,864,441; June 21.
Truck, Trailer. B. J. Sanford. 1,872,823; Aug. 23.
Truck, Transfer. R. N. Riblet. 1,886,588; Nov. 8.
Truck, Transport. P. H. Nast. 1,862,938; June 14.
Truck, Two-way elevating. J. Beattie. 1,890,361; Dec. 6.
Truck, Welded end. W. C. Heinle. 1,876,927; Sept. 13.
Truck, wheel. L. D. Kay. 1,852,615; Apr. 5.
Truck wheel. L. D. Kay. 1,873,600; Aug. 23.
Truck wheel dolly. J. G. Collins. 1,847,382; Mar. 1.

Truck with steering axles, Electric. C. Kirchner. 1,852,209; Apr. 5.
Truck, Wrecking. O. S. Hubbard. 1,886,681; Nov. 8.
Trucking apparatus. J. F. Doubek. 1,867,446; July 12.
Trucks, Device for dismantling freight car. A. A. Rudd. 1,879,518; Sept. 27.
Trucks, Four wheel attachment for. B. Markham. 1,886,964; Nov. 8.
Trucks, Swinging link arrangement for railway. L. J. Davis. 1,886,533; Nov. 8.
Truing device for the wheels of grinding machines. S. Einstein and L. F. Nenninger. 1,871,504; Aug. 16.
Truing mill for helicoidal surfaces, Revoluble. E. W. Miller. 1,839,693; Jan. 5.
Truing mechanism for grinding machines. S. W. Bath. 1,873,703; Aug. 23.
Truing mechanism for grinding wheels. R. E. Flanders. 1,847,337; Mar. 1.
Trunk. J. F. Schoellkopf and H. Lee. 1,882,193; Oct. 11.
Trunk and luggage carrier, Combination. C. H. Myers. 1,859,746; May 24.
Trunk and luggage carrier, Combination automobile. R. C. Collier. 1,866,010; July 5.
Trunk and luggage carrier, Combined automobile. R. P. Lier and H. H. Power. 1,841,657; Jan. 19.
Trunk and table, Combination automobile. A. Hulbert. 1,850,234; Mar. 22.
Trunk and wheel carrier. E. H. Coquille. 1,866,013; July 5.
Trunk, Automobile. M. L. King. 1,884,736; Oct. 25.
Trunk, Automobile. F. A. Struck and A. Reinhardt. Des. 86,286; Feb. 16.
Trunk, Bottle. Fleisig. Des. 88,346; Nov. 22.
Trunk, Extensible automobile. T. W. Shidler. 1,847,103; Mar. 1.
Trunk, Extension. W. Freeman. 1,846,388; Feb. 23.
Trunk, Folding. J. J. Collins. 1,879,102; Sept. 27.
Trunk lock. A. J. Komenak. 1,891,217; Dec. 13.
Trunk rack. R. E. Hughes. 1,854,406; Apr. 19.
Trunk rack. T. W. Starling. 1,854,946; Apr. 19.
Trunk rack. V. Whiteside. 1,848,401; Mar. 8.
Trunk, Vehicle. J. R. Hughes. 1,874,535; Aug. 30.
Trunk, Wardrobe. F. Herkert, Jr. 1,856,913; May 3.
Trunks, Athletic. B. Lewis. 1,868,212; July 19.
Trunks of a bathing suit. L. S. Michelson. Des. 87,725; Sept. 13.
Trunks, Swimming and sun bathing. T. R. Upland. 1,886,255; Nov. 1.
Truss. P. W. Davis and J. M. Booth. 1,870,356; Aug. 9.
Truss. C. M. Goodrich. 1,859,136; May 17.
Truss. G. Lemaitnier. 1,889,674; Nov. 29.
Truss. J. McNulty. 1,889,367; Nov. 29.
Truss pad. I. M. Pease. 1,887,660; Nov. 15.
Truss. R. Schmidt. 1,852,337; Apr. 5.
Truss. I. Schulz. 1,855,002; Apr. 19.
Truss fitting table. T. L. Collins. 1,882,121; Oct. 11.
Truss, Hernial. A. Schaffer. 1,877,537; Sept. 13.
Truss structure, Light metallic. E. J. W. Ragsdale. 1,884,221; Oct. 25.
Trussed structure. M. A. Montgomery. 1,874,572; Aug. 30.
Tub; *See*—
Continuous flow tub.
Feeder tub.
Infant's bath tub.
Washing machine tub.
Tub and forming the same, Butter. C. M. MacCluesey. 1,888,355; Nov. 22.
Tub washing machine outlet and packing box, Set. D. N. Paquette. 1,853,993; Apr. 12.
Tube: *See*—
Collapsible tube.
Colonic tube.
Conduction tube.
Conveying tube.
Dental x-ray tube.
Discharge tube.
Dispensing tube.
Double grid tube.
Draft tube.
Duodenal or stomachal tube.
Electric discharge tube.
Electric tube.
Electroluminescent tube.
Electronic discharge tube.
Electronic tube.
Glow discharge tube.
Glow relay tube.
Grid modulated tube.
Heat conducting tube.
Heating tube.
Luminous tube.
Metal tube.
Metallic tube.
Milk draining tube.
Multiple unit tube.
Multiunit tube.
Paste dispensing tube.
Pentode tube.
Photo-electric tube.
Pyrometer tube.
Rolling tube.
Sampling tube.
Screen grid tube.
Series drop tube.
Shaving cream tube.
Shielded grid tube.
Static eliminator tube.
Steaming tube.
Space discharge tube.
Thermionic tube.
Thiering tube.
Tuned receiver tube.
Vacuum electric tube.
Vacuum tube.
Vapor arc tube.
Weight sticker tube.
X-ray tube.
Tube. H. J. Kerr. 1,878,242; Sept. 20.
Tube actuating machine. D. S. Sammis. 1,887,434; Nov. 8.
Tube adapter, Electron discharge. R. D. Duncan, jr. 1,891,621; Dec. 20.
Tube adapter, Electron discharge. A. M. Trogner. 1,842,635; Jan. 26.
Tube and bulb device. R. P. Milburn. 1,870,780; Aug. 9.
Tube and circuits for the same, Thermionic. F. S. McCullough. 1,853,281; Apr. 12.
Tube and cover, Collapsible. R. Booth. 1,860,131; May 24.
Tube and like container. W. Kalb. Re18,649; Nov. 8.
Tube and making same, Pneumatic. A. G. Fitz Gerald. 1,870,561; Aug. 9.
Tube and mounting, Vacuum. A. E. Marshall. 1,850,599; Mar. 22.
Tube and rod forming machine. J. L. Cassady. 1,878,261; Sept. 20.
Tube and rotary drill pipe, Well. G. A. Montgomery. 1,889,873; Dec. 6.
Tube and socket, Shielded. H. L. Strongson. 1,885,782; Nov. 1.
Tube and tire mold, Inner. A. R. Krause and R. W. Hutchens. 1,870,255; Aug. 9.
Tube and tube sheet and ferrule therefor. J. H. Goss. 1,866,561; July 12.
Tube and valve stem, Pneumatic inner. F. H. Watson. Re18,613; July 5.
Tube assembly, Water cooled. A. M. Trogner. 1,876,103; Sept. 6.
Tube bending machine. A. J. Mason and W. L. Tancred. 1,873,939; Aug. 23.
Tube bending machine. H. E. Schneider. 1,868,852; July 26.
Tube bending machine. E. T. Spate, H. Clapper and T. Marlow. 1,848,753; Mar. 8.
Tube by-pass, Neon. R. E. McCombes. 1,844,789; Oct. 25.
Tube capping machine, Collapsible. V. Koenigshofer. 1,871,799; Aug. 16.
Tube checker. J. R. Barnhart. 1,851,658; Mar. 29.
Tube cleaner. R. E. McCracken. 1,881,821; Oct. 11.
Tube cleaner. R. W. Randall and J. C. Koch. 1,873,478; Aug. 23.
Tube cleaner. J. H. Young. 1,873,521; Aug. 23.
Tube-closing machine. H. O. G. Schilling. 1,892,475; Dec. 27.
Tube closure, Collapsible. P. P. Lamb. 1,862,794; June 14.
Tube closure, Collapsible. M. R. O'Keefe. 1,866,984; July 12.
Tube closure, Collapsible. W. A. Roselle. 1,851,065; Mar. 29.
Tube commutator. R. H. Ranger. 1,873,785; Aug. 23.
Tube connections, Apparatus for welding. R. R. McKnight and A. Webber. 1,852,180; Apr. 5.
Tube coupling. T. P. Hingley. 1,857,022; May 3.
Tube coupling. G. A. Montgomery. 1,889,869; Dec. 6.
Tube coupling. H. Schmieg. 1,892,587; Dec. 27.
Tube cutter. W. E. Arndt. 1,854,389; Apr. 19.
Tube cutting and flaring device. J. W. Gordon. 1,851,276; Mar. 29.
Tube cutting and flaring machine. J. W. Gordon. 1,876,914; Sept. 13.
Tube cutting device. R. Armstrong. 1,883,453; Oct. 18.
Tube cutting mechanism. C. F. Smith. 1,878,985; Sept. 20.
Tube dispensing means, Collapsible. C. Bolz. 1,884,543; Oct. 25.
Tube display, Discharge. F. Hotchner. Re18,679; Dec. 6.
Tube drawing. W. C. Weber. 1,892,477; Dec. 27.
Tube drawing bench. H. Heetkamp. 1,889,314; Nov. 29.
Tube drawing machine. G. E. Barnhart. 1,891,904; Dec. 27.
Tube drawing machine. H. A. Staples. 1,841,350; Jan. 12.
Tube drawing process. H. von Forster. 1,888,401; Nov. 22.
Tube end cleaner. F. F. Fisher. 1,881,441; Oct. 11.
Tube end connections. K. M. Ronan. 1,882,673; Oct. 18.
Tube ends, Forming fibrous bell-mouth. H. Parker. 1,881,916; Oct. 11.
Tube expander. G. Wiedeke. 1,878,049; Sept. 20.
Tube expanding machine. J. V. Mazurie and O. F. Olson. 1,858,961; May 17.
Tube expanding mill. J. V. Mazurie and O. F. Olson. 1,858,962; May 17.
Tube fabrication, Discharge. C. J. R. H. Von Wedel. 1,883,174; Oct. 18.
Tube finishing machines, Apparatus for serving. O. M. Mowat. 1,871,077; Aug. 9.
Tube fittings for hydraulic brake systems, Producing. J. D. Baldwin, jr. 1,860,605; May 31.
Tube for boilers, heat exchangers, and the like. R. S. Brown. 1,870,669–70; Aug. 9.
Tube for directional reception, Thermionic. W. Runge. 1,892,220; Dec. 27.
Tube for domestic boilers, Bottom supply and spray. G. W. Siltz. 1,892,320; Dec. 27.
Tube for furnaces. J. C. Hobbs. 1,887,130; Nov. 8.
Tube for inflatable bodies, Pneumatic locking inflating. J. F. L. Marren. 1,863,119; June 14.
Tube for internal combustion engines, Exhaust. F. T. Irgens. 1,869,749; Aug. 2.
Tube for liquid gas systems, Expansion. S. S. Thomas. 1,885,944; Nov. 1.
Tube for pneumatic tires and apparatus for the manufacture thereof, Inner. H. A. Denmire. 1,866,628; July 12.
Tube for pneumatic tires, Inner. W. B. Lang. 1,874,197; Aug. 30.
Tube for tooth-paste. W. N. Offley. 1,849,586; Mar. 15.
Tube for water tube boilers, Recirculating. W. A. Jones. 1,870,812; Aug. 9.
Tube for water turbines, Draft. D. J. McCormack and K. A. Enz. 1,855,721; Apr. 26.

Tube forming machine E. Conti. 1,846,707; Feb. 23.
Tube forming machine, Paper. G. V. Plante. 1,857,002; May 3.
Tube frame. E. F. Hathaway and W. Bixby. 1,880,438; Oct. 4.
Tube frame for axminster looms. O. V. Payne. 1,873,020; Aug. 23.
Tube hanger. S. B. De Bence. 1,877,391; Sept. 13.
Tube having an indirectly heated cathode, Discharge. J. G. W. Mulder. 1,875,106; Aug. 30.
Tube having folded end, Collapsible. C. J. Westin. 1,852,525; Apr. 5.
Tube machines, Cut-off mechanism for. J. B. Platt. 1,863,124; June 14.
Tube, Making. H. W. Bundy. 1,892,607; Dec. 27.
Tube, Making a puncturepoof inner. A. L. Freedlander. 1,890,081; Dec. 6.
Tube mandrel chucking device. A. G. Smith. 1,852,827; Apr. 5.
Tube punching apparatus. V. C. Norquist. 1,884,143; Oct. 25.
Tube removal construction, Side wall. J. S. Bennett. 1,855,542; Apr. 26.
Tube repairing clamp. B. Brotherman and F. J. Bowen, jr. 1,867,248; July 12.
Tube squeezer, Collapsible. T. H. Reid. 1,873,217; Aug. 23.
Tube system, High power. J. A. Willoughby. 1,874,679; Aug. 30.
Tube terminal, Insulated discharge. F. Hotchner. 1,888,671; Nov. 22.
Tube terminal, Self insulated discharge. F. Hotchner. 1,888,670; Nov. 22.
Tube tester. W. N. Goodwin, jr. 1,854,901; Apr. 19.
Tube tester. E. T. Pedranti. 1,873,148; Aug. 23.
Tube tester, Inner. A. Moebes and J. J. Hoffman. 1,854,556; Apr. 19.
Tube tester, Vacuum. W. N. Goodwin, jr. 1,854,900; Apr. 19.
Tube testing device. B. A. Lundy. 1,867,015; July 12.
Tube trimming method and apparatus. H. L. Young. 1,852,831; Apr. 5.
Tube with an internal thickening at the rear end from a tubular blank, Rolling out a. A. Vollmer. 1,867,120; July 12.
Tube vapor control grid, Vapor discharge. E. Lubcke. 1,850,967; Mar. 22.
Tubes and apparatus for carrying them out, Manufacture and treating. R. R. Machlett. 1,874,018; Aug. 30.
Tubes and other articles, Printing or stamping cellulose. A. M. Wickwire, jr. 1,843,377–8; Feb. 2.
Tubes and other tubular articles, Process and apparatus for the manufacture of metal. M. Peters. Re18,418; Apr. 12.
Tubes and sheets of lanterns, Attaching the. R. P. Throm. 1,892,292; Dec. 27.
Tubes and the like, Manufacture of flexible metallic. A. Dreyer. 1,852,921; Apr. 5.
Tubes and the like, Method and apparatus for pressure butt-welding. E. P. Begtrup. 1,888,815; Nov. 22.
Tubes, Apparatus for cleaning. J. S. Antle. 1,869,730; Aug. 2.
Tubes, Apparatus for making inner. W. H. Campbell. 1,862,210; June 7.
Tubes, Apparatus for splicing. C. E. Maynard. 1,876,716; Sept. 13.
Tubes, Apparatus for the manufacture of metal. P. Boissou. 1,849,054; Mar. 15.
Tubes, Bending. L. W. Snell. 1,891,338; Dec. 20.
Tubes, coils, etc., Method of and device for detecting temperature changes in heating or cooling. H. T. Darlington. 1,858,293; May 17.
Tubes, containers, cups, and the like, Manufacturing. A. Bodony. 1,855,041; Apr. 19.
Tubes, Control of grid glow. J. V. Breisky and E. O. Eisacher. 1,839,994; Jan. 5.
Tubes, Descaling of. J. Johnston and F. Albard. 1,891,820; Dec. 20.
Tubes, Device for compressing corrugated. F. J. Sprague and M. Knab. 1,852,487; Apr. 5.
Tubes, Extruding metal. J. W. Leighton. 1,859,707; May 24.
Tubes, Flexible. T. G. Welsh. 1,849,513; Mar. 15.
Tubes for eye-droppers, Forming glass. R. H. Koenig. 1,888,635; Nov. 22.
Tubes from cellulose solutions, Apparatus for manufacturing seamless flexible. R. Weingand. 1,864,006; June 21.
Tubes from ingots, Mechanism for sawing. T. J. Glynn. 1,870,108; Aug. 2.
Tubes having open filaments, Utilizing thermionic. R. Johnson. 1,873,711; Aug. 23.
Tubes, Making. J. R. Jamison. 1,854,550; Apr. 19.
Tubes, Making. B. L. Quarnstrom. 1,863,873; June 21.
Tubes, Making bimetallic. H. E. Harvey. 1,839,964; Jan. 5.
Tubes, Making seamless. J. D. Dunn. 1,858,920; May 17.
Tubes, Making seamless. J. W. Offutt. 1,888,607; Nov. 22.
Tubes, Making twin bore silica. O. C. Trautmann. 1,850,295; Mar. 22.
Tubes, Manufacture of. F. R. Bonte. 1,881,069; Oct. 4.
Tubes, Mechanism for forming spirally wound multi-sided. S. T. Maltby. 1,872,152; Aug. 16.
Tubes, Method and apparatus for cold drawing. S. D. Ilischo. 1,856,051; Apr. 19.
Tubes, Method and apparatus for splicing unvulcanized inner. H. C. Bostwick. 1,865,669; July 5.
Tubes, Method and apparatus for the manufacture of. A. Laughlin, jr. 1,885,924; Nov. 1.
Tubes, Method and machine for splicing rubber. O. F. Homier and H. L. Young. 1,869,690; Aug. 2.
Tubes, Method and mechanism for making collapsible. W. Prussing. 1,839,438; Jan. 5.
Tubes, Method of and apparatus for compressing and truing fiber. H. Parker. 1,849,111; Mar. 15.
Tubes, Method of and apparatus for forming metal. F. Sievern. 1,845,671; Mar. 8.
Tubes, Method of and apparatus for making inner. E. Fetter. 1,840,027; Jan. 5.
Tubes of celluloid and the like, Forming. S. A. Neidich. 1,866,168; July 5.
Tubes of celluloid and the like, Making. S. A. Neidich. 1,888,045; Nov. 15.
Tubes of celluloid and the like, Manufacture of tapered. S. A. Neidich. 1,884,131; Oct. 25.
Tubes of fiber and similar material, Apparatus for bending. D. B. Replogle. 1,877,627; Sept. 13.
Tubes of fiber and similar material, Bending. D. B. Replogle. 1,877,629; Sept. 13.
Tubes of laminated sheeting. J. N. Whitehouse. 1,875,289; Aug. 30.
Tubes of paper fiber and similar material, Bending. D. B. Replogle. 1,877,628; Sept. 13.
Tubes of paper or like material, Manufacture of. E. Z. Taylor. 1,876,094; Sept. 6.
Tubes or the like, Method and apparatus for making inner. J. R. Gammeter. 1,841,886; Jan. 19.
Tubes, pipes, and the like, Device for bending. E. C. Weidler. 1,891,861; Dec. 20.
Tubes, Process and apparatus for making vacuum. J. J. Florimont. 1,886,475; Nov. 8.
Tubes, Process and apparatus for manufacturing flexible. A. Dreyer. 1,879,250; Sept. 20.
Tubes, Production of alkali metal. J. W. Marden and E. A. Lederer. 1,861,637; June 7.
Tubes, System of space discharge. L. M. Clement. 1,871,304; Aug. 9.
Tubes to headers, Securing. W. H. Armacost and J. K. Spirson. 1,852,272; Apr. 5.
Tubes to pressure vessels or pipes, System for connecting branch. J. A. Aiton. 1,875,404; Sept. 6.
Tubes, Treating. W. J. Krug. 1,854,876; Apr. 19.
Tubing. R. M. Hyde. 1,881,610; Oct. 11.
Tubing. W. T. Scarritt. 1,841,300; Jan. 12.
Tubing and method of making, Spirally coiled paper. R. P. Burton. 1,885,587; Nov. 1.
Tubing and rods, Method and apparatus for making glass. P. A. Favre. 1,850,341; Mar. 22.
Tubing, Apparatus for manufacturing integral finned. A. A. Locke. 1,865,575; July 5.
Tubing, Apparatus for production of bellows. W. B. Clifford. 1,865,678; July 5.
Tubing, Apparatus for the production of fibrous. E. Beilhertz. 1,854,168; Apr. 19.
Tubing, Apparatus for welding. C. M. Mitchell. 1,863,313; June 14.
Tubing, Bending. F. Hotchner. 1,874,012; Aug. 30.
Tubing bleeder. W. H. McKissick. 1,854,477; Apr. 19.
Tubing catcher. F. N. Crippen. 1,839,652; Jan. 5.
Tubing catcher. F. N. Crippen. 1,859,654; May 24.
Tubing catcher. O. C. Zuck and J. J. Railey. 1,874,688; Aug. 30.
Tubing coupling. J. J. Hicks. 1,839,676; Jan. 5.
Tubing for electrical purposes. J. A. Kennedy. 1,849,717; Mar. 15.
Tubing from cellulose pulp, Manufacture of waterproof. M. O. Schur. 1,864,091; June 21.
Tubing hook. Safety. E. Green. 1,845,707; Feb. 16.
Tubing machine. C. E. Maynard. 1,876,256; Sept. 6.
Tufting machine. F. C. Bigelow. 1,892,161; Dec. 27.
Tufting machine. G. L. Westcott. 1,892,592; Dec. 27.
Tubing, Making. A. F. Cibs. 1,861,421; May 31.
Tubing, Making. L. O. Hall. 1,890,077; Dec. 6.
Tubing, Manufacturing decorated. H. D. Scott. 1,856,888; May 3.
Tubing, Method and apparatus for shaping. O. W. Siebert and C. J. Bjorson. 1,891,785; Dec. 20.
Tubing, Method of and apparatus for making. F. B. Pfeiffer. 1,892,629; Dec. 27.
Tubing, Rolling seamless. P. A. Foren. 1,858,990; May 17.
Turbine, Elastic fluid. C. W. Rice. 1,891,948; Dec. 27.
Turbine, Hydraulic. H. S. Messing. 1,892,404; Dec. 27.
Tubular articles, Welding. B. T. Andren, W. F. Heineman, and W. E. Crawford. 1,872,055; Aug. 16.
Tubular bodies from cellulose, Preparing. J. Voss. 1,887,446; Nov. 8.
Tubular bodies made of cellulose, Apparatus for spinning. J. Voss and A. Schade. 1,873,685; Aug. 23.
Tubular clamp. O. M. Lade. 1,857,121; May 3.
Tubular coupling. G. A. Montgomery. 1,889,866–7; Dec. 6.
Tubular control. B. L. Quarnstrom. 1,863,874; June 21.
Tubular heater. C. B. Backer. 1,857,615; May 10.
Tubular heater. A. E. Harnsberger. 1,887,155; Nov. 8.
Tubular knit ribbed fabric. J. Saftlas. 1,890,416; Dec. 6.
Tubular members, Making composite. A. E. Wilson. 1,866,145; July 5.

Tubular objects from rubber compositions, Making. D. F. Twiss and E. A. Murphy ..1,877,207; Sept. 13.
Tubular products, Apparatus for finishing and testing. B. F. Anthony..1,879,009; Sept. 27.
Tubular structure, Laminated. C. L. Keller. 1,878,452; Sept. 20.
Tuft cutter. T. W. Head. 1,849,621; Mar. 15.
Tufting device. L. Baldinger. 1,849,062; Mar. 15.
Tufting machine. T. O. Anderson and J. R. Earp. 1,857,092; May 3.
Tufting machine. P. H. Ogden. 1,874,588; Aug. 30.
Tumbler. A. D. Nash. Des. 88,252; Nov. 8.
Tumbler, Glass. W. O. Barry. Des. 87,454; Aug. 2.
Tumbler or similar article. I. M. Clarke. Des. 88,398; Nov. 29.
Tumbler or similar article. E. W. Newton. Des. 86,626; May 23.
Tumbler or similar article. T. J. Piazzoli. Des. 88,106; Oct. 25.
Tumbling device for electroplating. H. D. Simpson. 1,848,391; Mar. 8.
Tumbling mill. L. D. Peik. 1,882,442-3; Oct. 11.
Tuned resonator tube. S. Lacerve. 1,875,059; Aug. 30.
Tungsten carbide, Forming. G. W. and H. B. Woods. 1,839,518; Jan. 5.
Tungsten carbide, Manufacturing. O. F. Marvin. 1,887,729; Nov. 15.
Tungsten carbide to other metals, Cementing. W. R. Chapin. 1,860,275; May 24.
Tungsten metal, Production of. E. Pokorny. 1,877,961; Sept. 20.
Tungsten oxide gel, Preparing. W. A. Patrick and E. H. Barsky. 1,848,266; Mar. 8.
Tungsten plating and producing same. C. G. Fink and F. L. Jones. 1,885,701; Nov. 1.
Tungsten plating and producing same, Substantially pure. C. G. Fink. 1,885,702; Nov. 1.
Tuning apparatus. H. D. Currier. 1,890,721; Dec. 13.
Tuning apparatus. A. Novaro. 1,840,207; Jan. 5.
Tuning apparatus, Uni-control. A. Churchward. 1,853,039; Apr. 12.
Tuning coil shifter. C. M. Murdock. 1,873,658; Aug. 23.
Tuning control for radio receivers, Remote. V. Flocco. 1,877,502; Sept. 13.
Tuning device. M. B. Del Sonno. 1,870,769; Aug. 9.
Tuning device. A. Weiland. 1,854,239; Apr. 19.
Tuning device for radioreceivers, Automatic. J. B. Pillen. 1,877,693; Sept. 13.
Tuning device for wind musical instruments. A. L. Smith. 1,870,211; Aug. 2.
Tuning device, Variable. E. G. Danielson. 1,862,819; June 14.
Tuning fork. H. Broadwell. 1,843,910; Feb. 9.
Tuning fork, Compensated. B. E. Eisenhour. 1,880,923; Oct. 4.
Tuning fork generator. A. L. Matte. 1,854,267; Apr. 19.
Tuning indicator. N. R. Jones and W. W. Dewhurst. 1,879,294; Sept. 27.
Tuning mechanism for radio reception, etc. M. Alden. 1,871,293; Aug. 9.
Tuning system, High frequency. H. F. Elliott. 1,880,933; Oct. 4.
Tunnel, Apparatus and the method of forming a. J. G. Macdonald. 1,866,416; July 5.
Tunnel construction. A. M. Coyle. 1,881,421; Oct. 11.
Tunnel construction. J. C. Meem. 1,884,799; Oct. 25.
Tunnel liner. C. R. Cushwa. 1,843,102; Jan. 26.
Tunnel liner. H. M. Schaab. 1,881,098; Oct. 4.
Tunnel, Quick freeze. A. H. Baer. 1,867,546; July 19.
Tunnuliquous. C. F. Shaffer. 1,877,994; Sept. 20.
Tunnel wall block. A. W. Warner and R. F. Ballard. 1,870,539; Aug. 9.
Tunnel walls and unit for use therein, Forming. A. W. Warner and R. F. Ballard. 1,866,242; July 5.
Tunneling. J. F. O'Rourke. 1,839,888; Jan. 5.
Tunneling machine. C. Comoletti. 1,866,753; July 12.
Tunnels, aqueducts, and the like, Lining. C. Jackson. 1,867,837; July 19.
Tunnels, Method in construction of subaqueous. F. Donaldson. 1,883,622; Oct. 18.
Turbine. A. Bonom. 1,845,955; Feb. 16.
Turbine. S. S. Cook, A. P. Bennett, and C. A. Parsons. 1,885,512; Nov. 1.
Turbine. J. O. Heinze. 1,868,143; July 19.
Turbine. C. Jarvis. 1,882,630; Oct. 11.
Turbine. A. C. McGinty. 1,868,017; July 19.
Turbine. A. O. Trimmer. 1,883,129; Oct. 18.
Turbine, Adjustable vane hydraulic. H. E. Popp. 1,877,048; Sept. 13.
Turbine and attachment therefor. S. Hackenberg. 1,856,631; May 3.
Turbine and condenser construction. W. B. Flanders. 1,861,443; June 14.
Turbine and condenser unit. R. C. Allen. 1,882,699; Oct. 18.
Turbine and method of burning fuel, Combustion. C. N. Koch. 1,864,742; June 28.
Turbine and method of feeding and burning fuel, Combustion. C. N. Koch. 1,864,741; June 28.
Turbine and operating the same, Combined steam and gas. H. Holzwarth. 1,840,509; Jan. 12.
Turbine and valves therefor, Steam. C. A. Parsons, S. S. Cook, and L. M. Douglas. 1,855,362; Apr. 26.
Turbine blade lashing. P. Faber. 1,888,795; Nov. 22.
Turbine blading. H. J. Hanzlik. 1,861,960; June 7.
Turbine blender and the like. J. Johnson. 1,866,535; July 12.
Turbine casing. J. B. Walbridge. 1,854,422; Oct. 25.
Turbine, Combined gas and steam. G. V. Zetterberg. 1,887,001; Nov. 8.
Turbine, Combustion. C. Koch. 1,887,717; Nov. 15.
Turbine control mechanism. O. N. Bryant. 1,876,530-1; Sept. 6.
Turbine control mechanism. C. B. Campbell. 1,875,327; Sept. 6.
Turbine control mechanism, Back pressure. G. C. Taylor. 1,841,425; Jan. 19.
Turbine, Elastic fluid. O. D. H. Bentley. 1,888,485; Nov. 22.
Turbine, Elastic fluid. J. H. Doran. 1,847,931; Mar. 1.
Turbine, Elastic fluid. J. H. Doran. 1,873,743; Aug. 23.
Turbine, Elastic fluid. O. Junggren. 1,865,257; June 28.
Turbine, Elastic fluid. O. Junggren. 1,883,930; Oct. 25.
Turbine, Elastic fluid. C. A. Parsons, A. Q. Carnegie, and F. W. Gardner. 1,862,579; June 14.
Turbine, Elastic fluid. H. Reich. 1,845,190; Feb. 16.
Turbine, Elastic fluid. E. G. Robinson. 1,856,820; May 3.
Turbine, Elastic fluid. J. B. Walbridge. 1,844,082; Feb. 9.
Turbine, Elastic fluid. D. F. Warner. 1,854,006; Apr. 12.
Turbine, Elastic fluid. G. B. Warren. 1,858,067; May 10.
Turbine generator installation. O. Junggren. 1,865,258; June 28.
Turbine generator set. E. J. Blake. 1,862,919; June 14.
Turbine, Hydraulic. G. A. Biggs. 1,865,502-3; July 5.
Turbine, Hydraulic. L. F. Moody. 1,848,738-9; Mar. 8.
Turbine, Hydraulic. L. F. Moody. 1,853,135; Apr. 12.
Turbine, Hydraulic. L. F. Moody. 1,853,139; Apr. 12.
Turbine, Hydraulic. F. Nagler. 1,860,618; May 31.
Turbine installation. Baker. 1,868,151; July 19.
Turbine installation. L. E. Grube, D. F. Warner, and F. R. Ericson. 1,888,078; Nov. 15.
Turbine plant. R. G. Standerwick. 1,874,136; Aug. 30.
Turbine plant, Elastic fluid. A. Lysholm. 1,888,874; Nov. 22.
Turbine rotors, Bridge band for blade groups of. K. Baasler. 1,842,957; Jan. 26.
Turbine, Steam. C. A. Parsons, A. Q. Carnegie, and F. W. Gardner. 1,862,827; June 14.
Turbine with variable capacity, Reversing steam. G. Belluzzo. 1,865,551; July 5.
Turbines, Avoiding damage through moisture in the low pressure part of steam. H. Hilgers. 1,864,352; June 21.
Turbines, Process and apparatus for operating. W. Schüle. 1,888,698; Nov. 22.
Turbulent burner. W. W. Bennis. 1,870,164; Aug. 2.
Turf roller. J. F. Buel. 1,866,998; July 12.
Turfing machine. J. Foben. 1,888,379; Nov. 22.
Turn and stop signal. B. B. Brown. 1,848,927; Mar. 8.
Turnbuckle. A. Cantu. 1,839,533; Jan. 5.
Turn indicator. C. H. Colvin and M. M. Titterington. 1,842,824; Jan. 26.
Turn indicator. P. Kollsman. 1,841,606-7; Jan. 19.
Turnover for molding machines. W. J. Fiegel. 1,844,466; Feb. 9.
Turnstile. E. J. Kennedy and J. F. Perey. 1,841,132; Jan. 12.
Turnstile. H. A. Nau. 1,844,784; Feb. 9.
Turntable. H. R. Jordal. 1,853,980; Apr. 12.
Turntable. A. Smith. 1,843,047; Jan. 26.
Turntable and truck apparatus. H. E. Scott. 1,867,386; July 12.
Turntable center. M. G. Hilpert. 1,880,201; Oct. 4.
Turntable, Covering a. L. Bonsieur. 1,891,745; Dec. 20.
Turntable for sound picture apparatus. J. R. Kiel. 1,854,941; Apr. 19.
Turner: *See*—
Music leaf turner.
Pan cake turner.
Turning die for flat sided rivets. F. M. Littell and E. R. Miller ..1,861,186; May 31.
Turning machine, Automatic. D. Turcott. 1,857,891; May 10.
Turning machine, Automatic. D. Turcott. 1,857,986; May 10.
Turpentine cup. J. E. Atwood. 1,855,661; Apr. 26.
Turpentine cup. L. T. Baker. 1,841,777; Jan. 19.
Turpentine, Distillation of crude. E. Bernhard and V. Hilckon. 1,860,126; May 24.
Turpentine gutter and securing means. C. A. Tompkins. 1,862,374; June 7.
Turpentine, Refining. I. W. Humphrey. 1,854,165; Apr. 12.
Turret for machine guns on board aeroplanes, Equilibrated. E. Granat. 1,860,292; May 24.
Turret, Protective. L. Gerisch. 1,861,193; May 31.
Tuyère. P. P. Cunningham. 1,873,996; Aug. 30.
Tuyère. J. C. Hopkins. 1,870,511; Aug. 9.
Tuyère. H. O. Johnson and M. O'Hare. 1,848,079; Mar. 1.
Tuyère and supporting means therefor. O. Nygaard 1,874,340; Aug. 30.
Tuyère, Blast furnace. J. A. Boland. 1,868,306; July 19.
Tuyère, Blast furnace. C. R. Holzworth. 1,862,341; June 7.
Tuyère block. C. H. Rich. 1,845,009; Jan. 26.
Tuyère, Fin nosed. R. H. Ledbetter. 1,997,029; Nov. 8.
Tuyère for cupola furnaces. R. Gerisch. 1,866,764; July 12.

Tuyère for furnaces, Round. C. J. Parker. 1,858,683; May 17.
Tuyère, Furnace. H. E. Preston. 1,860,296; May 24.
Tuyère structure and changing the same. E. E. Brosius. 1,866,080; July 5.
Tweezers. R. Besocke. 1,840,369; Jan. 12.
Tweezers. A. Henkel. 1,889,475; Nov. 29.
Tweezers. R. E. Silvis. 1,886,127; Nov. 1.
Tweezers and blackhead remover, Combination. F. E. and T. M. Hunsaker. 1,842,403; Jan. 26.
Twine-holder for self-binding harvesters. J. A. Nilsson. 1,868,218; July 19.
Twine tension device for grain binders. D. W. Smith. 1,878,902; Sept. 20.
Twister frame. H. R. Marsh. 1,874,325; Aug. 30.
Twister or strander. W. E. Somerville. 1,858,528; May 17.
Twister ring and traveler. G. H. Gilligan. 1,848,167; Mar. 8.
Twisting and winding machine. E. W. Stone. 1,840,642; Jan. 12.
Twisting machine. W. W. Collins. 1,842,932; Jan. 26.
Twisting machine. G. H. Gilligan. 1,865,897; July 5.
Twisting machine. W. H. Watson. 1,873,692; Aug. 23.
Twisting machines, Stop motion for. H. L. Hyde. 1,850,207; Mar. 22.
2-aminoanthrahydroquinone, 9:10-disulphuric ester and its salts, Production of. D. A. W. Fairweather and R. F. Thomson. 1,873,044; Aug. 23.
Two cycle engine. C. G. Curtis and E. R. Newton. 1,858,002; May 10.
Two cycle engine. H. B. Greening and J. W. Galloway. 1,871,217; Aug. 16.
Two cycle motor. E. H. Tartrais. 1,852,986; Apr. 5.
2:4-di-nitrophenyl-6-hydroxytriazine-1:3:5, Preparing. W. H. Hilger and J. Hilger. 1,841,440; Jan. 19.
2-mercapto-acylene-thiazole compounds and the products, Producing. R. Herz and M. Schubert. 1,876,929; Sept. 13.
2-mercapto-arylene-thiazole compounds and making same. R. Herz, M. Schubert, and W. Zerweck. 1,847,514; Mar. 1.
Two-part piston ring. J. M. Nichols. 1,878,641; Sept. 20.
Two stage regulator. C. L. Bastian. 1,842,236; Jan. 19.
Two-stroke cycle engine. R. L. Southern. 1,873,339; Sept. 20.
2:3-aminonaphthol compounds, Manufacturing. A. Zitscher. 1,850,526; Mar. 22.
2:2'-diamono-diphenyl-4:4'-disulphonic acid, Preparing. E. Tschunkur and E. Kracht. 1,880,594; Oct. 4.
Tympans, Reclaiming used vegetable parchment. J. R. Twiford. 1,850,437; Mar. 17.
Type, Alphabet. A. A. Dietz. 1,866,629; July 12.
Type bar mechanism. M. Garbell. 1,848,165; Mar. 8.
Type bar soldering machine. O. Brisbois. 1,886,257; Nov. 1.
Type bars relatively to the universal bar in stenographic machines, Device for adjusting the. M. Grandjean. 1,847,074; Mar. 1.
Type case. J. P. Freeman. 1,851,979; Apr. 5.
Type casting machine and matrix therefor. C. A. Macomic. 1,893,156; Dec. 27.
Type casting machines, Slug lever actuator for. G. W. Farley. 1,847,428; Mar. 1.
Type characters and type bars, Joining. O. Brisbois. 1,885,584; Nov. 1.
Type for automatic typesetting machines. F. H. Poeppelmeier. 1,856,725; May 3.
Type form tie. G. M. Hume. 1,876,231; Sept. 6.
Type holding appliance. W. A. Hoffmann. 1,853,211; Apr. 12.
Type indexing means. F. H. Trego. 1,880,592; Oct. 4.
Type justifying mechanism. G. H. Sand. 1,845,849; Feb. 16.
Type or matrix for typographical composing machines. A. Archer. 1,851,964; Apr. 5.
Type, Printing. C. B. Kuntz. 1,853,019; Apr. 5.
Type, Roll. C. L. Post. 1,881,925; Oct. 11.
Typesetting machine. C. Chisholm. 1,849,363; Mar. 15.
Typesetting machine. C. Chisholm. 1,889,914; Dec. 6.
Typeslug casting machine or the like. R. M. O'Connor and R. T. Todd. 1,868,363; July 19.
Type slugs, Proofing. H. J. Megley. 1,857,315; May 10.
Type-soldering device. E. Thorell. 1,890,659; Dec. 13.
Typewriter. R. Artt. 1,864,521; June 28.
Typewriter. J. H. Barr. 1,884,514; Oct. 25.
Typewriter. H. Etheridge. 1,858,770; May 17.
Typewriter. M. Garbell. 1,841,110; Jan. 12.
Typewriter. W. F. Helmond. Des. 86,717; Apr. 12.
Typewriter. O. A. Hokanson and J. F. Koca. 1,864,594; June 28.
Typewriter. S. Ishikawa. 1,873,766; Aug 23.
Typewriter. C. A. Joerissen. 1,887,887; Nov. 15.
Typewriter. W. Lilly. 1,841,899; Jan. 19.
Typewriter. P. W. Shields. 1,858,845; Apr. 26.
Typewriter. R. G. Thompson and C. W. Crumrine. Des. 86,067; Jan. 19.
Typewriter attachment. J. O. Crawford. 1,842,317; Jan. 19.
Typewriter attachment, Portable. D. M. May. 1,840,242; Jan. 5
Typewriter carriage mechanism. M. Garbell. 1,841,109; Jan. 12.
Typewriter carriages, Variable feed mechanism for. F. H. Trego. 1,857,771; May 10.
Typewriter carrying case. J. A. B. Smith. 1,876,779; Sept. 13.
Typewriter desk attachment. I. Frankel. 1,888,034; Nov. 15.
Typewriter line lock and margin release. M. Garbell. 1,841,111; Jan. 12.
Typewriter line space mechanism. M. Garbell. 1,841,106; Jan. 12.
Typewriter line spacer. H. E. Zerick. 1,856,612; May 8.
Typewriter machine frame. M. Garbell. 1,841,114; Jan. 12.
Typewriter marginator. C. Olivetti. 1,873,661; Aug. 23.
Typewriter pad. H. C. Harding. 1,846,255; Feb. 23.
Typewriter paper feed mechanism. M. Garbell. 1,841,116; Jan. 12.
Typewriter-ribbon cleaner. W. G. Hudson. Des. 88,653; Dec. 13.
Typewriter ribbon moistener. G. V. Reeves. 1,874,623; Aug. 30.
Typewriter ribbon rejuvenator. F. R. Switzer. Re18,441; Apr. 26.
Typewriter ribbon rejuvenator. F. R. Switzer. Re18,588; Sept. 6.
Typewriter support or table, Movable. C. R. Young. 1,850,487; Mar. 22.
Typewriters and like machines, Ribbon reverse for. P. Kippler. 1,876,687; Sept. 13.
Typewriters, Duplicating attachment for. B. L. Henry. 1,874,749; Aug. 30.
Typewriters, Escapement mechanism for. M. Garbell. 1,841,108; Jan. 12.
Typewriters, Geared type-bar action mechanism for. M. Garbell. 1,841,112; Jan. 12.
Typewriters, Noiseless type action for. J. A. Ramus. 1,857,741; May 10.
Typewriters, Paper feeding and retaining arrangement for. J. J. Cooper. 1,871,445; Aug. 16.
Typewriters, Repeat mechanism for. O. A. Hokanson. 1,851,311; Mar. 29.
Typewriters, Repeat mechanism for. O. A. Hokanson. 1,873,406; Aug. 23.
Typewriters, Repeat mechanism for. R. A. Mack. 1,857,441; Aug. 23
Typewriters, Variable spacing mechanism for. J. Huston and A. L. Slee. 1,867,155; July 12.
Typewriting and card-perforating machine, Combined. A. G. F. Kurowski. 1,876,697; Sept. 13.
Typewriting and card perforating machine, Combined. J. A. B. Smith. Re18,637; Nov. 15.
Typewriting and computing machine, Combined. A. G. F. Kurowski. 1,854,338; Apr. 19.
Typewriting and computing machine, Combined. A. G. F. Kurowski. 1,876,696; Sept. 13.
Typewriting and computing machine, Combined. W. Flach. 1,883,892; Oct. 25.
Typewriting and computing machine, Combined. H. L. Pitman. 1,869,832; Aug. 2.
Typewriting, bookkeeping and card-perforating machine, Combined. F. K. Davis. 1,864,714; June 28.
Typewriting, computing, and check protecting machine, Combined. H. H. Steele. 1,858,027; May 10.
Typewriting duplicator. L. Jensen. 1,882,635; Oct. 11.
Typewriting long strips of printed forms. E. Z. Lewis. 1,886,821; Nov. 8.
Typewriting machine. E. E. Barney. 1,870,086; Aug. 2.
Typewriting machine. E. E. Barney. 1,883,865; Oct. 25.
Typewriting machine. R. E. Benner. 1,849,064; Mar. 15.
Typewriting machine. F. U. Conard. 1,873,203; Aug. 23.
Typewriting machine. C. W. Crumrine. 1,854,454; Apr. 19.
Typewriting machine. C. W. Crumrine. 1,873,553; Aug. 23.
Typewriting machine. C. W. Crumrine. 1,873,556; Aug. 23.
Typewriting machine. G. O. Degener. 1,840,436; Jan. 12.
Typewriting machine. W. A. Dobson. 1,843,416; Feb. 2.
Typewriting machine. W. A. Dobson. 1,855,842; Apr. 26.
Typewriting machine. W. A. Dobson. 1,857,946; May 10.
Typewriting machine. W. A. Dobson. 1,858,041; May 10.
Typewriting machine. W. A. Dobson. 1,870,001; Aug. 2.
Typewriting machine. W. A. Dobson. 1,874,255–6; Aug. 30.
Typewriting machine. W. A. Dobson. 1,876,640; Sept. 13.
Typewriting machine. W. A. Dobson. 1,877,563; Sept. 13.
Typewriting machine. W. A. Dobson. 1,880,891; Oct. 4.
Typewriting machine. B. J. Dowd. 1,845,402; Feb. 16.
Typewriting machine. B. J. Dowd. 1,890,564; Dec. 13.
Typewriting machine. B. J. Dowd. 1,891,590; Dec. 20.
Typewriting machine. C. Gabrielson. 1,886,476; Nov. 8.
Typewriting machine. C. Gabrielson and C. Waucquez. 1,881,462; Oct. 11.
Typewriting machine. M. Garbell. 1,840,577; Jan. 12.
Typewriting machine. M. Garbell. 1,841,104; Jan. 12.
Typewriting machine. M. Garbell. 1,841,107; Jan. 12.
Typewriting machine. M. Garbell. 1,841,113; Jan. 12.
Typewriting machine. G. G. Going. 1,879,873; Jan. 6.
Typewriting machine. G. G. Going. 1,840,503; Jan. 12.
Typewriting machine. G. G. Going. 1,847,526; Mar. 1.

Typewriting machine. G. G. Going. 1,883,697–700; Oct. 18.
Typewriting machine. W. Graepel. 1,854,134–5; Apr. 12.
Typewriting machine. G. F. Handley and L. C. Myers. 1,891,413; Dec. 20.
Typewriting machine. E. L. Harmon. 1,845,496; Feb. 16.
Typewriting machine. F. A. Hart. 1,883,902; Oct. 25.
Typewriting machine. F. A. Hart. 1,883,904; Oct. 25.
Typewriting machine. F. A. Hart and S. L. Walsoe. 1,883,903; Oct. 25.
Typewriting machine. A. Havard. 1,868,288; July 19.
Typewriting machine. W. F. Helmond. 1,857,151; May 10.
Typewriting machine. W. F. Helmond. 1,858,447; May 17.
Typewriting machine. W. F. Helmond. 1,861,009; May 31.
Typewriting machine. W. F. Helmond. 1,862,015; June 7.
Typewriting machine. W. F. Helmond. 1,864,540; June 28.
Typewriting machine. W. F. Helmond. 1,865,632; July 5.
Typewriting machine. W. F. Helmond. 1,876,227–8; Sept. 6.
Typewriting machine. W. F. Helmond. 1,879,231; Sept. 27.
Typewriting machine. W. F. Helmond. 1,888,035; Nov. 15.
Typewriting machine. E. B. Hess. 1,876,459; Sept. 6.
Typewriting machine. E. B. Hess. 1,890,960; Dec. 13.
Typewriting machine. C. A. Joerissen. 1,846,339; Feb. 23.
Typewriting machine. C. A. Joerissen. 1,856,340; May 3.
Typewriting machine. J. J. Kittel. 1,876,502; Sept. 6.
Typewriting machine. J. J. Kittel. 1,891,991; Dec. 27.
Typewriting machine. A. G. F. Kurowski. 1,855,858; Apr. 26.
Typewriting machine. A. G. F. Kurowski. 1,856,712; May 3.
Typewriting machine. H. S. Lasher. 1,876,699; Sept. 13.
Typewriting machine. A. F. Lear. 1,840,817; Jan. 12.
Typewriting machine. A. F. Lear. 1,851,049; Mar. 29.
Typewriting machine. L. C. Myers and G. F. Handley. 1,875,255; Aug. 30.
Typewriting machine. L. C. Myers and G. F. Handley. 1,892,017; Dec. 27.
Typewriting machine. N. C. Platt. 1,860,950; May 31.
Typewriting machine. J. Phelps. 1,884,199; Oct. 25.
Typewriting machine. J. H. Rand, jr. 1,838,636; Nov. 22.
Typewriting machine. R. V. Reppert. 1,846,065; Feb. 23.
Typewriting machine. J. A. B. Smith. 1,862,772; June 14.
Typewriting machine. J. A. B. Smith. 1,866,582; July 12.
Typewriting machine. J. A. B. Smith. 1,874,823; Aug. 30.
Typewriting machine. J. A. B. Smith. 1,876,777–8; Sept. 13.
Typewriting machine. J. A. B. Smith. 1,888,052; Nov. 15.
Typewriting machine. B. C. Stickney. 1,873,355; Aug. 23.
Typewriting machine. B. C. Stickney. 1,886,845; Nov. 8.
Typewriting machine. O. Thieme. 1,846,285; Feb. 23.
Typewriting machine. R. G. Thompson. 1,873,512; Aug 23.
Typewriting machine. R. G. Thompson. 1,884,384; Oct. 25.
Typewriting machine. R. G. Thompson and C. W. Crumrine. 1,873,510; Aug. 23.
Typewriting machine. H. H. Vickers. 1,876,183; Sept. 6.
Typewriting machine action. M. Garbell. 1,841,115; Jan. 12.
Typewriting machine and stand. E. G. Rowley. 1,851,131; Mar. 29.
Typewriting machine carrying case. A. G. F. Kurowski. 1,865,636; July 5.
Typewriting machine, Detachable top plate for a casing for a. H. Kattau and E. Roloson. Des. 86,843; Apr. 26.
Typewriting machine, Electrical. E. H. Henderson. 1,889,315; Nov. 29.
Typewriting machine, Stenographic. A. B. Edwards. 1,865,622; July 5.
Typewriting machines, Line space mechanism for. H. A. Foothorap. 1,861,210; May 31.
Typewriting mechanisms, Pneumatic reproducing. H. E. Hale and W. A. Watson. 1,874,512; Aug. 30.
Typograph composing stick. W. T. Henderson. 1,854,695; Apr. 19.
Typographical assembling machine. O. G. Pickett and G. E. Marlatt. 1,840,408; Jan. 12.
Typographical casting machine. J. H. Hilpman. 1,891,158; Dec. 13.
Typographical composing and casting machine. L. E. Morrison. 1,860,900; May 31.
Typographical composing and casting machine. L. E. Morrison. 1,869,940; Aug. 2.
Typographical composing and distributing machine. H. A. Burt. 1,880,119; Sept. 27.
Typographical composing and distributing machine. H. A. Burt and J. H. Hilpman. 1,878,231; Sept. 20.
Typographical composing and line casting machine. K. Bienert. 1,869,353; Aug. 2.
Typographical composing machine. W. Ackerman. 1,891,075; Dec. 13.
Typographical composing machine. A. W. F. Guest. 1,869,360; Aug. 2.
Typographical composing machine. D. S. Kennedy. 1,839,225; Jan. 5.
Typographical composing machine. L. L. Kennedy. 1,886,108; Nov. 1.
Typographical composing machine. R. R. Mead. 1,839,242; Jan. 5.
Typographical distributing machine. A. W. F. Guest. 1,860,893; May 31.
Typographical distributing machine. J. H. Hilpman. 1,869,099; Nov. 1.
Typographical machine. H. A. Burt. 1,864,799; June 28.
Typographical machine. R. R. Mead. 1,860,868; May 31.
Typographical machine. A. J. Stouges. 1,858,121; May 10.
Typographical machines, Escapement means for. S. E. Sperry. 1,842,354; Jan. 19.
Typographical machines, Slug lever attachment for. H. T. Sundstrom. 1,859,116; May 17.
Typographical slug casting machine. G. E. Marlatt. 1,871,330; Aug. 9.
U tube structure. J. C. Diehl. 1,888,424; Nov. 22.
Udder steaming device. V. R. and R. R. Moore. 1,861,107; May 29.
Ultra violet ray transmitting glass and to a batch and making the same. F. M. and F. J. Locke. 1,886,280; Nov. 1.
Ultra-violet sensitive layer. S. E. Sheppard and H. J. Dietz. 1,880,503; Oct. 4.
Ultra-violet sensitive photographic element. R. E. Burroughs. 1,880,411; Oct. 4.
Umbilical cord clamp. W. H. Taylor. 1,843,652; Feb. 2.
Umbrella. E. E. Frey. 1,862,674; June 14.
Umbrella and case therefor. I. J. Salomon. 1,891,184; Dec. 13.
Umbrella, Cane. J. A. Maxwell, jr. 1,843,290; Feb. 2.
Umbrella, Collapsible. F. Gundel. 1,839,309; Jan. 5.
Umbrella, Collapsible. R. G. Wedemann. 1,885,968; Nov. 1.
Umbrella, Collapsible pocket. M. and H. Monz. 1,890,440; Dec. 6.
Umbrella, Convertible. E. C. Killebrew. 1,844,325; Feb. 9.
Umbrella, Folding. J. L. Stone. 1,843,961; Feb. 9.
Umbrella for carrying overshoes. M. Marsh. 1,859,627; May 24.
Umbrella frame. E. E. Frey. 1,852,513; Apr. 5.
Umbrella handle, Identification. R. T. Warden. 1,840,003; Jan. 5.
Umbrella runner and tip cup. J. Rose. 1,878,428; Sept. 20.
Umbrella, Telescopically collapsible. H. Haupt. 1,856,385; May 3.
Umbrellas, Tilting device for. G. Zitzer. 1,881,990; Oct. 11.
Uncoupling device. A. E. Evans. 1,844,061; Feb. 9.
Uncoupling mechanism. W. Kelso. 1,840,165–6; Jan. 5.
Uncoupling mechanism for car couplers. J. Willison. 1,873,092; Aug. 23.
Uncoupling mechanism for car couplers. R. J. Wittmer. 1,842,574; Jan. 26.
Under and overfeeder for pens. R. F. George. 1,877,295; Sept. 13.
Undercarriage construction for trucks and the like. P. Shannon. 1,855,997; Apr. 26.
Underclearer roll. N. E. Lucas. 1,874,560; Aug. 30.
Undercutting machine. P. C. Lawson and C. B. Schafer. 1,851,284; Dec. 20.
Underframe. F. W. Hahn and J. A. Lamont. 1,875,592; Sept. 6.
Underframe for a treadle sewing machine. A. S. Raworth. Des. 88,440; Nov. 29.
Underframe for automobile vehicles. M. Wagner. 1,858,897; Nov. 22.
Underframe for railway cars, Cast steel. M. H. Martin. 1,863,311; June 14.
Underframe, Tank vehicle. J. C. Travilla, jr. 1,888,812; Nov. 22.
Undergarment. S. Blue. 1,878,981; Sept. 20.
Undergarment. J. A. Firestine. 1,842,472; Jan. 26.
Undergarment. A. J. Legge. 1,845,717; Feb. 16.
Undergarment. M. Polsky. 1,867,327; July 12.
Undergarment. G. E. Rutledge. 1,871,066; Aug. 9.
Undergarment. M. Ryff. 1,874,362; Aug. 30.
Undergarment. S. Tait. Des. 87,449; July 26.
Undergarment. G. C. Tanner. 1,891,884; Dec. 20.
Undergarment. B. M. Tibbits. 1,847,651; Mar. 1.
Undergarment. C. G. Wright. 1,883,263; Oct. 18.
Undergarment for women. P. H. Robbins. 1,892,585; Dec. 27.
Undergarments for women such as slips, pajamas, blouses, and the like. M. D. Neilson. 1,891,773; Dec. 20.
Underground exploration method. O. H. Truman. 1,878,029; Sept. 20.
Underreamer. F. S. Bunker. 1,878,260; Sept. 20.
Underreamer. F. C. Farmer. 1,843,668; Feb. 2.
Underreamer. J. Grant and J. J. Santiago. 1,844,358; Feb. 9.
Underreamer. W. H. Hazlett. Re18,473; May 17.
Underreamer. D. H. Reamy and A. Swanson. 1,879,490; Sept. 27.

Underreamer and cutter element therefor, Rotary. J. Grant. 1,844,357; Feb. 9.
Underreamer, Expansive. W. N. Packer. 1,839,771; Jan. 5.
Under reamer for well drilling apparatus. R. P. Simmons. 1,880,216; Oct. 4.
Underreamer, Hydraulic. R. C. Baker. 1,857,616; May 10.
Underreamer, Plunger actuated. E. F. Raymond. 1,839,588; Jan. 5.
Underreamer, Rotary. J. B. Triplett. 1,866,736; July 12.
Underreaming apparatus. B. Granville. 1,868,702; July 26.
Underwear Man's. J. K. Heyman and A. F. Wenzel. 1,842,919; Jan. 26.
Underwear supporting device. H. C. Dauphinais. 1,883,341; Oct. 18.
Unhairing bath and treating hides. N. D. Harvey, jr. 1,844,160; Feb. 9.
Unidirectional mechanism. L. M. Dieterich. 1,863,191; June 14.
Uniform, Suspenderless. J. E. Johannesen. Des. 87,470; Aug. 2.
Unions, Making reenforcing. R. M. Chesney. 1,843,064; Jan. 26.
Unit for heating and ventilating systems. R. A. Ilg and J. M. Frank. 1,874,043; Aug. 30.
Unit formed of sheet material. G. F. Williams. 1,875,188; Aug. 30.
Unit heater. L. D. Harnett. 1,886,337; Nov. 1.
Unit intercooler. C. Walnwright. 1,882,266; Oct. 11.
Unit pulverizer. A. A. Holbeck. 1,855,171; Apr. 19.
Universal bracket. L. Skeel. 1,853,153; Apr. 12.
Universal coupling. D. Nettenstrom. 1,853,171; Apr. 12.
Universal joint. E. Anderson. 1,847,550; Mar. 1.
Universal joint. J. A. Baker. 1,880,657; Oct. 4.
Universal joint. P. G. Beresland. 1,869,426; May 24.
Universal joint. A. G. Bowen. 1,865,300; June 28.
Universal joint. W. J. Coultas and N. D. Colvin. 1,852,344; Apr. 5.
Universal joint. M. A. Crews. 1,892,037; Dec. 27.
Universal joint. E. E. Culbertson. 1,841,349; Jan. 12.
Universal joint. D. Cutting. 1,853,300; Apr. 12.
Universal joint. L. H. Davis. 1,883,882; Oct. 25.
Universal joint. R. P. Deschamps. 1,863,365; June 14.
Universal joint. E. Ekbergian. 1,868,818; July 26.
Universal joint. R. M. Galloway and J. M. Meloy. 1,843,764; Feb. 2.
Universal joint. S. A. Garrett. 1,889,470; Nov. 29.
Universal joint. F. M. Guy. 1,840,714; Jan. 12.
Universal joint. F. M. Guy. 1,862,140; June 7.
Universal joint. J. W. Hyer. 1,854,586; Apr. 19.
Universal joint. M. L. Jeffrey. 1,845,794; Feb. 16.
Universal joint. H. C. Lord. 1,855,640; Apr. 26.
Universal joint. H. A. Myers. 1,868,540; July 26.
Universal joint. F. M. Peters. 1,841,326; Oct. 4.
Universal joint. H. L. Schreck. 1,861,364; May 31.
Universal joint. D. D. Shierk. 1,887,106; Nov. 8.
Universal joint. L. Sternberch. 1,847,677; Mar. 1.
Universal joint. P. L. Tenney and H. E. Fidler. 1,886,847; Nov. 8.
Universal joint. A. A. Warner. 1,885,646; Nov. 1.
Universal joint. C. W. Weiss. Re18,570; Aug. 16.
Universal motor. T. S. Bindschedler. 1,860,728; May 31.
Universal torch machine. J. L. Anderson. 1,884,960; Oct. 25.
Unloader for compressors, Clearance. R. C. McAllister. 1,870,956; Aug. 9.
Unloader for driers, Automatic. R. C. Moore. 1,869,210; July 26.
Unloader for forming machines. P. Witte. 1,886,458; Nov. 8.
Unloader mechanism for elevators, Selective. S. Olson. 1,870,883; Aug. 9.
Unloader mechanism for elevators, Selective. S. Olson. 1,881,899; Oct. 11.
Unloading and elevating device. E. M. Prescott. 1,848,657; Mar. 8.
Unloading machine. H. A. Strelow. 1,856,976; May 3.
Unloading machine, Portable. S. F. Ossing. 1,874,600; Aug. 30.
Unloading means for bottle cleaning machines. G. J. Meyer. 1,873,846; Aug. 23.
Unloading mechanism for compressors. L. L. Collins. 1,843,917; Feb. 9.
Unreeling appliance for wire, thread, etc. E. Snyder. 1,883,939; Oct. 18.
Unreeling mechanism. H. W. Webb. 1,848,982; Mar. 8.
Upholstered chair. J. L. Cable. 1,860,381; May 31.
Upholstering vehicle doors, Device for. E. B. G. Lefevre. 1,888,729; Nov. 22.
Upholstery. H. J. Burkart. 1,885,109; Nov. 1.
Upholstery and drapery fabric. S. J. Oliver. Des. 88,168; Nov. 1.
Upholstery construction. A. M. Bank. 1,864,514; June 28.
Upholstery cover set, Automobile. H. E. Zink. 1,860,520; May 31.
Upholstery edge. H. Fox. 1,863,269; June 14.
Upholstery edging, Method and apparatus for making. F. L. Smith. 1,846,369; Feb. 23.
Upholstery making machine. F. W. Brintnall. 1,841,006; Jan. 12.
Upholstery, Method and machine for assembling. B. M. Stannard. 1,864,477; June 21.
Upholstery pad, Producing an. G. W. Mudd. 1,889,997; Dec. 6.
Upholstery, Spring cushioned. J. Hilton. 1,880,137; Sept. 27.
Upholstery suspending means. W. H. Wilson. 1,854,681; Apr. 19.
Upper-roughing machine. W. C. Card, jr. 1,867,728; July 19.
Upper-roughing machine. W. C. Card, jr. 1,879,657; Sept. 27.
Uppers, Method of and apparatus for preparing closed. P. D. Kinney. 1,869,482; Aug. 2.
Upsetting device for barrel and like articles. K. F. Snow. 1,871,395; Aug. 9.
Upsetting mechanism. R. L. Wilcox. 1,885,648; Nov. 1.
Urea and an ammonium salt of a strong mineral acid. Process for the production of. H. J. Krase. 1,884,751; Oct. 25.
Urea and making same, Poly aryl derivatives of. L. Laska and O. Haller. 1,850,555; Mar. 22.
Urea-formaldehyde condensation products, Plasticizing. L. Smidth and R. H. Crist. 1,886,600; Nov. 8.
Urea, Making. G. Barsky. 1,889,944; Dec. 6.
Urea, Production of. E. Kuss and M. Guenther. 1,868,106; July 19.
Urea resin product and making same. C. Ellis. Re18,370; Mar. 1.
Urn, Automatic coffee. T. J. Topper. 1,840,985; Jan. 12.
Urn, Coffee. S. D. Levings. 1,882,247; Oct. 11.
Urn or the like, Coffee. L. B. Green. Des. 88,350; Nov. 22.
Utensil. D. P. Gleason. 1,857,372; May 10.
Utensil cleansing apparatus. W. L. Van Ness. 1,886,853; Nov. 8.
Utensil, Cooking. J. Harris. 1,848,713; Mar. 8.
Utensil, Cooking. W. O. Isaacson. 1,881,615; Oct. 11.
Utensil, Cooking. E. E. Marquart. 1,862,602; June 14.
Utensil, Cooking. L. H. Mills. 1,877,099; Sept. 13.
Utensil, Cooking. F. I. Pierce. 1,874,393; Aug. 30.
Utensil, Electric heating. I. R. McGowen. 1,843,455; Feb. 2.
Utensil, Electrically heated. A. E. Newton. 1,879,426; Sept. 27.
Utensil for popping corn and the like. J. L. Bennett. 1,869,799; May 31.
Utensil, Gas heated. A. C. Becker. 1,842,062; Jan. 19.
Utensil, Kitchen. L. M. Buzzell. 1,846,308; Feb. 23.
Utensil, Kitchen. F. S. Crane. 1,874,393; Aug. 30.
Utensil, Kitchen. L. J. Kaplan and L. B. Meyerson. 1,875,813; Sept. 6.
Utensil, Kitchen. O. J. St. Pierre. 1,886,917; Nov. 8.
Utensil, Scouring. E. S. Bradford, jr. 1,851,237; Mar. 29.
Utensil, Scouring. E. S. Bradford, jr. 1,853,542; Apr. 12.
Utensil, Scouring. E. S. Bradford, jr. 1,864,579; June 28.
Utensils and the like, Cooking. H. V. Bird. 1,875,303; Aug. 30.
Utility bag. H. B. Ferguson. 1,874,945; Aug. 30.
Utility device. E. Bernitz, jr. 1,849,538; Mar. 15.
Utility table. J. C. Nelson. 1,873,902; Aug. 23.
V-type engine. C. B. Summers. 1,862,723; June 14.
Vacuum apparatus, Degassing. G. Dobke. 1,879,131; Sept. 27.
Vacuum brake. G. P. Berry. 1,865,817; July 5.
Vacuum brake. F. K. Gruss. 1,875,723; Sept. 6.
Vacuum brake. N. Lombard. 1,878,944; Sept. 20.
Vacuum brake. N. Lombard. 1,879,365; Sept. 27.
Vacuum cleaner. F. Bernhard. 1,870,887; Aug. 9.
Vacuum cleaner. T. E. D. Bilde. 1,847,233; Mar. 1.
Vacuum cleaner. T. E. D. Bilde. 1,860,883–5; May 31.
Vacuum cleaner. T. E. D. Bilde. 1,891,387; Dec. 20.
Vacuum cleaner. F. Carlstedt. 1,892,382; Dec. 27.
Vacuum cleaner. L. Ell. 1,842,900; Jan. 26.
Vacuum cleaner. L. Ell. 1,866,154; July 6.
Vacuum cleaner. A. Eriksson-Jons. 1,890,283; Dec. 6.
Vacuum cleaner. G. C. Lewis. 1,839,793; Jan. 5.
Vacuum cleaner. J. A. Loewinsohn. 1,871,624; Aug. 16.
Vacuum cleaner. N. H. Losey. 1,884,012; Oct. 25.
Vacuum cleaner. M. Marshall. 1,881,086; Oct. 4.
Vacuum cleaner. A. C. McLaren. 1,851,200; Mar. 29.
Vacuum cleaner. W. B. Nordhem. 1,839,582; Jan. 5.
Vacuum cleaner. C. E. Reddig. 1,879,710; Sept. 27.
Vacuum cleaner. F. Riebel, jr. 1,856,031; Apr. 26.
Vacuum cleaner. H. J. Smidley. 1,867,284; July 12.
Vacuum cleaner. W. Stewart. 1,851,463; Mar. 29.
Vacuum cleaner and burner, Combination. J. S. Bessent. 1,864,633; June 28.
Vacuum cleaner and floor waxing machine, Combination. C. Petersen. 1,891,175; Dec. 13.
Vacuum cleaner attachment. G. Linton. 1,869,200; July 26.
Vacuum cleaner, Hand. J. F. Carson. 1,861,261; May 31.
Vacuum cleaners, Silencing. S. McClatchie. 1,847,352; Mar. 1.
Vacuum cleaning apparatus. R. M. Baker. 1,880,658; Oct. 4.
Vacuum cleaning machine. W. T. Cunningham. 1,853,960; Apr. 12.

Vacuum cleaning machine. B. Kern. 1,854,042; Apr. 12.
Vacuum closing machine. J. A. Gray. 1,841,590; Jan. 19.
Vacuum contact frame. L. H. Klitsche. 1,859,829; May 24.
Vacuum cooler. H. B. Caldwell. 1,865,614; July 5.
Vacuum cup. E. H. Odell. 1,865,534; June 14.
Vacuum device. F. W. Hochstetter. 1,888,594; Nov. 22
Vacuum device. W. J. West. 1,877,708; Sept. 13.
Vacuum devices, Manufacture of. E. K. Jaycox. 1,874,537; Aug. 30.
Vacuum discharge vessel. W. Düllenbach. 1,866,624; July 12.
Vacuum double seaming machine. H. L. Guenther. 1,884,667; Oct. 25.
Vacuum electric tube. E. A. Ollard and E. Y. Robinson. 1,871,275; Aug. 9.
Vacuum electric tube device. E. Y. Robinson. 1,872,010; Aug. 16.
Vacuum electric tube device. E. Y. Robinson. 1,872,344; Aug. 16.
Vacuum engine. R. D. Conklin. 1,874,454; Aug. 30.
Vacuum floor cleaner. F. E. Sode. 1,867,477; July 12.
Vacuum hanger. A. E. Nelson and W. Bahr. 1,839,694; Jan. 5.
Vacuum jar. W. B. Willcutt and C. A. Sleicher. 1,862,560; June 14.
Vacuum mixing machine. E. G. Loomis. 1,848,572; Mar. 8.
Vacuum pan and the like. A. J. Hiatky. 1,841,812; Jan. 19.
Vacuum pressure frame. A. T. Koppe. 1,839,230; Jan. 5.
Vacuum regulator. W. C. Shield. 1,849,252; Mar. 15.
Vacuum responsive device. F. B. West, K. J. Fidecok, and E. J. Hoffman. 1,856,472; Apr. 26.
Vacuum servo brake. H. B. Albinson. 1,846,017; Feb. 23.
Vacuum servo brake. G. P. Berry. 1,872,390; Aug. 16.
Vacuum soldering machine. S. Morasso. 1,887,062; Nov. 8.
Vacuum switch. C. H. North. 1,859,598; May 24.
Vacuum switch. D. C. Prince. 1,892,538; Dec. 27.
Vacuum switch. A. Scherbius. 1,875,765; Sept. 6.
Vacuum table. A. G. Worrall. 1,851,028; Mar. 29.
Vacuum table. C. S. Bigelow. 1,855,472; Apr. 26.
Vacuum tank. J. A. Dienner. 1,872,419; Aug. 16.
Vacuum tank. H. A. Griffin. 1,840,091; Jan. 5.
Vacuum tank and pressure pump, Combined. W. H. Muzzy. 1,860,688; May 31.
Vacuum thermoelectric battery. J. Pethik. 1,848,655; Mar. 8.
Vacuum tube. L. L. Beck. 1,888,421; Nov. 22.
Vacuum tube. R. G. Berthold. 1,839,863; Jan. 5.
Vacuum tube. H. Bogle. 1,865,702; July 5.
Vacuum tube. R. Harding, jr. 1,868,600; July 26.
Vacuum tube. S. M. Kintner. 1,839,562; Jan. 5.
Vacuum tube. L. Krehl. 1,869,568; Aug. 2.
Vacuum tube. C. V. Litton. 1,872,991; Aug. 23.
Vacuum tube. L. McCulloch. 1,840,121; Jan. 5.
Vacuum tube. A. Nyman. 1,861,401; May 31.
Vacuum tube. S. Ruben. Re18,367; Mar. 1.
Vacuum tube and method of treating thereof. I. Nachumsohn. 1,859,670; May 24.
Vacuum tube construction. W. L. Krahl. 1,857,645; May 10.
Vacuum tube device. L. Sutherlin. 1,839,904; Jan 5.
Vacuum tube and similar articles. Basing. R. S. McNeil and E. V. Bitterli. 1,844,669; Feb. 9.
Vacuum tubes and similar articles, Basing. R. S. McNeil and E. V. Bitterli. 1,872,776; Aug. 16.
Vacuum tubes, Method and apparatus for manufacture of. J. D. Le Van. 1,860,106; May 24.
Vacuum tubes and similar structure for. W. L. Krahl. 1,857,647; May 10.
Vaginal douche pipe. E. M. Lewis. 1,852,351; Apr. 5.
Valance. J. F. Ligon. 1,853,984; Apr. 12.
Valance, Ornamental. A. Gandolfo and B. Lemandri. 1,848,618; Mar. 8.
Valuable ingredients from heat sensitive raw materials, Extraction of. M. E. Hopkins. 1,877,875; Sept. 20.
Values, Arrangement for obtaining instantaneous. G. Kelnath and H. Pfannenmüller. 1,889,553; Nov. 29.
Valve. A. Abramson. 1,878,749; Sept. 20.
Valve. C. D. Allen. Des. 88,613; Dec. 13.
Valve. S. E. Allen and O. N. Wiswell. 1,882,700; Oct. 18.
Valve. P. R. Alphonso. 1,856,825; May 3.
Valve. C. T. Anderson. 1,855,709; Apr. 26.
Valve. L. V. Andrews. 1,849,395; Mar. 15.
Valve. G. A. Arnold. 1,874,847; Aug. 30.
Valve. J. O. Barce. 1,873,260; Aug. 23.
Valve. H. C. Bowen. 1,841,354; Jan. 19.
Valve. W. P. Bradford. 1,865,824; July 5.
Valve. D. A. Breegle. 1,842,894; Jan. 26.
Valve. E. E. Brosius. 1,867,349; July 12.
Valve. A. C. Brown. 1,856,088; May 3.
Valve. G. K. Brown and G. F. Naab. 1,858,877; May 17.
Valve. J. Brown. 1,849,274; Mar. 15.
Valve. J. B. Burdett. 1,858,291; May 17.
Valve. V. Bush. 1,859,580; May 24.
Valve. O. F. Carlson. 1,868,590; June 21.
Valve. R. H. Carson. 1,875,851; Sept. 6.
Valve. G. E. Connolly. 1,841,789; Jan. 19.
Valve. P. P. Dean. 1,850,064; Mar. 22.
Valve. B. F. Dengler. 1,847,385; Mar. 1.
Valve. L. F. Doen. Re18,540; July 26.
Valve. L. L. Dollinger. 1,890,744; Dec. 13.
Valve. F. L. Drew. 1,863,652; June 21.
Valve. C. E. Droege. 1,854,370; Apr. 19.
Valve. V. L. Du Bois. 1,869,540; Aug. 2.
Valve. P. Duncan. 1,875,574; Sept. 6.
Valve. G. S. Eble. 1,860,497; May 31.
Valve. W. Ehemann. 1,891,374; Dec. 20.
Valve. E. E. Elckmeyer. 1,859,916; May 24.
Valve. H. E. Evans and C. D. Allen. 1,881,269; Oct. 4.
Valve. F. C. Evennel. 1,880,948; Oct. 4.
Valve. G. S. Faber. 1,842,902; Jan. 26.
Valve. H. G. Flory and S. G. Coley. 1,890,847; Dec. 13.
Valve. J. S. Forbes. 1,890,505; Dec. 13.
Valve. G. E. Fox. 1,844,246; Feb. 9.
Valve. G. C. Frantz. 1,888,223; Nov. 22.
Valve. R. B. Fremont. 1,862,214; June 7.
Valve. A. F. Froussard. 1,840,595; Jan. 12.
Valve. O. O. Fusch. 1,842,600; Jan. 26.
Valve. J. V. Giesler. 1,882,803; Oct. 18.
Valve. W. A. Gifford. 1,872,925; Aug. 23.
Valve. J. L. Gish. 1,891,533; Dec. 20.
Valve. D. D. Goldberg. 1,886,007; Nov. 1.
Valve. D. D. Goldberg. 1,890,226; Dec. 13.
Valve. I. Gonyk. 1,855,106; Apr. 19.
Valve. W. C. Groeniger and J. C. Cromwell. 1,839,962; Jan. 5.
Valve. C. S. Hansen. 1,877,859; Sept. 20.
Valve. G. E. Hazard. 1,888,948; Nov. 22.
Valve. G. A. Harper. 1,881,387; Oct. 11.
Valve. A. E. Hamilton. 1,841,029; Jan. 12.
Valve. A. E. Hansen. 1,854,837; Apr. 19.
Valve. C. H. Hapgood. 1,856,462; May 3.
Valve. G. E. Hazard. 1,877,763; Sept. 20.
Valve. B. Heftye. 1,839,311; Jan. 5.
Valve. E. C. Herthel and W. S. Gullette. 1,857,279; May 10.
Valve. A. G. Heggem. 1,888,000; Nov. 15.
Valve. F. T. Holmes. 1,859,089; May 17.
Valve. E. S. Hough. 1,851,429; Mar. 29.
Valve. R. S. Hubbell. 1,876,300; Sept. 6.
Valve. J. M. Hughes. 1,850,457; Mar. 22.
Valve. G. B. Ibs. 1,878,706; Sept. 20.
Valve. C. Johnson. 1,860,289; May 24.
Valve. J. E. Jones. 1,864,596; June 28.
Valve. E. J. Kiley. 1,844,399; Feb. 9.
Valve. W. E. King. 1,876,246; Sept. 6.
Valve. H. G. Klett. 1,879,320; Sept. 27.
Valve. W. H. Knistern. 1,879,329; Sept. 27.
Valve. E. Koppl. 1,859,590; May 24.
Valve. O. V. Kruse. 1,868,147; July 19.
Valve. E. J. Lattner. 1,871,535; Aug. 16.
Valve. C. R. W. and C. H. Law. 1,875,035; Aug. 30.
Valve. C. H. Leinert. 1,840,629; Jan. 12.
Valve. J. A. Lentz. 1,889,900; Dec. 6.
Valve. A. J. Leopsinger. 1,849,764; Mar. 15.
Valve. F. Van D. Longacre. 1,852,582; Apr. 5.
Valve. H. C. Lyons. Re18,347; Feb. 2.
Valve. J. R. Mahan. 1,861,426; May 31.
Valve. J. C. Marble. 1,863,020; June 14.
Valve. G. M. and A. P. Marr. 1,879,382; Sept. 27.
Valve. J. C. Martin. 1,851,259; Mar. 29.
Valve. J. C. Martin, jr. 1,861,747; June 7.
Valve. F. M. Masker. 1,887,694; Nov. 15.
Valve. R. J. McCarty. 1,864,365; June 28.
Valve. R. Michl. 1,841,042; Jan. 12.
Valve. J. Miller. 1,871,072; Aug. 9.
Valve. J. R. Miller. 1,885,939; Nov. 1.
Valve. H. R. Minor. 1,879,397; Sept. 27.
Valve. C. F. Morrison. 1,873,623; Aug. 23.
Valve. J. Müller. 1,870,415; Aug. 9.
Valve. H. M. Neorr. 1,872,792; Aug. 23.
Valve. S. J. Nordstrom. 1,857,861; May 10.
Valve. S. J. Nordstrom. 1,863,300; June 14.
Valve. C. A. Norgren. 1,877,528; Sept. 13.
Valve. J. R. Olson. 1,862,545; June 14.
Valve. G. Overton. 1,879,763; Sept. 27.
Valve. A. Persson. 1,856,505; May 3.
Valve. A. Pino. 1,880,619; May 31.
Valve. E. Price and W. A. Webster. 1,867,279; July 12.
Valve. J. K. Putnam. 1,879,481; Sept. 27.
Valve. J. D. Ramsey. 1,859,218; May 17.
Valve. F. J. Rayfield. 1,846,753; Feb. 23.
Valve. H. B. Redding. 1,851,953; Oct. 11.
Valve. F. J. Rode. 1,849,689; Mar. 15.
Valve. E. Rund. 1,846,814; Feb. 23.
Valve. F. E. Sachrider, J. M. Conn, and J. V. Calvert. 1,855,317; Apr. 26.
Valve. K. Schoene. 1,886,840; Nov. 8.
Valve. W. Scott. 1,843,461-2; Feb. 2.
Valve. H. M. Sheer. 1,862,039; June 7.
Valve. G. W. Sheets. 1,844,046; Feb. 9.
Valve. J. J. Skelly. 1,851,016; Mar. 29.

Valve. S. B. Smith. 1,890,053; Dec. 13.
Valve. J. A. Sobon. 1,853,156; Apr. 12.
Valve. J. A. Spencer. 1,848,081; Mar. 1.
Valve. J. A. Spencer. 1,883,250; Oct. 18.
Valve. F. F. Starr. 1,841,386; Jan. 19.
Valve. A. C. Stevens. 1,882,372; Oct. 11.
Valve. J. N. Sutherland. 1,886,454; Nov. 8.
Valve. E. J. Te Pas. 1,842,332; Jan. 19.
Valve. C. M. Terry. 1,863,075; June 14.
Valve. G. H. Thacher. 1,886,315; Nov. 1.
Valve. J. C. Thomson. 1,841,224; Jan. 12.
Valve. F. R. Tomlinson. 1,880,581; Oct. 4.
Valve. O. Tweit and S. R. Tymstra. 1,854,531; Apr. 19.
Valve. H. F. Vickers. 1,855,433; Apr. 26.
Valve. von Wangenheim and E. K. Gradhe. 1,843,068; Jan. 26.
Valve. F. G. Walker. 1,849,259; Mar. 15.
Valve. R. Wells and F. M. Small. 1,841,442; Oct. 25.
Valve. C. J. Westling. 1,842,056; Jan. 19.
Valve. A. W. Wheaton. 1,887,078; Nov. 8.
Valve accelerating device. L. A. Grimes. 1,883,719; Oct. 18.
Valve action, Windshield cleaner motor. H. Hueber. 1,849,327; Mar. 15.
Valve actuated by a cylinder, Quick opening steam. P. W. Knauf. 1,880,186; Sept. 27.
Valve actuating device, Electromagnetic. C. H. Hodgkins. 1,873,405; Aug. 23.
Valve actuating mechanism. G. M. Barnes. 1,848,303; Mar. 8.
Valve actuating mechanism. R. J. Buehler. 1,878,106; Sept. 20.
Valve actuating mechanism. O. J. Kay. Re18,531; July 19.
Valve actuating mechanism for internal combustion engines. P. Gerard. 1,840,314; Jan. 12.
Valve actuating mechanism, Hydraulic. W. Noble. 1,876,735; Sept. 13.
Valve actuating mechanism, Sleeve. W. A. Frederick. 1,853,246; May 2.
Valve actuator. H. N. Sudduth. 1,857,266; May 10.
Valve actuator, Automatic thermal. E. A. Lowe and J. R. Hamilton. 1,859,203; July 26.
Valve actuator for a switch. B. H. Jeanneret. 1,868,419; July 19.
Valve adjusting mechanism. R. R. Hutchison. 1,872,083; Aug. 16.
Valve, Air. J. S. Cuthbertson. 1,862,368; June 7.
Valve, Air. O. B. Duffield. 1,851,960; Mar. 29.
Valve, Air motor. P. C. H. Beckwith. 1,886,518; Nov. 8.
Valve, Air pump. A. Richter. 1,869,170; July 26.
Valve, Air release. G. F. Hitchcock. 1,856,914; May 3.
Valve, Anti-siphon. E. Leitner. 1,885,363; Nov. 1.
Valve and a blow-out preventer, Combination drilling. J. Young. 1,858,352; May 17.
Valve and actuating mechanism, Piston. C. A. Nevins and J. Wright. 1,846,747; Feb. 23.
Valve and air cushion, Combined. F. W. Seymour and D. A. Gillen. 1,865,486; July 5.
Valve and air-tight cushion for bottled water dispensers, Combined. F. M. Pottenger, jr. 1,881,929; Oct. 11.
Valve and attaching fitting, Leak detector. C. M. Anderson. 1,843,736; Feb. 16.
Valve and coupling. N. C. Hunt. 1,850,879; Mar. 22.
Valve and gas burner, Thermostatic. E. J. Te Pas. 1,842,328; Jan. 19.
Valve and its operation. E. E. Littlefield. 1,862,937; June 14.
Valve and its operation. E. E. Littlefield. 1,885,846; Nov. 1.
Valve and relief valve, Combined throttle. S. L. G. Knox. 1,850,209; Mar. 22.
Valve and spring therefor, Slide. C. H. Voss. 1,859,811; May 24.
Valve and strainer, Combined check. C. A. Campbell. 1,847,007; Mar. 1.
Valve and switch, Uncoupling. H. F. Woernley. 1,854,725; Apr. 19.
Valve and the like. W. G. Wilson. 1,878,222; Sept. 20.
Valve and the operation thereof, Four electrode. E. W. B. Gill. 1,861,232; May 31.
Valve and unloader, Combined check. J. O. McMillan. 1,850,744; Mar. 22.
Valve and valve rod construction. A. England. 1,850,619; Mar. 22.
Valve and valve seat, Air cooled. R. G. Griswold. 1,873,119; Aug. 23.
Valve and valve seat cutter, Combined. E. O. Starkin. 1,856,002; Apr. 26.
Valve, Antisiphon. H. E. Lake. 1,861,017; May 31.
Valve apparatus. W. J. Bolton. 1,870,090; Aug. 2.
Valve assembly. R. H. Anderson. 1,841,095; Jan. 19.
Valve assembly. C. E. Brown. 1,840,564; Jan. 12.
Valve assembly. E. W. Roberts. Re18,430; Apr. 19.
Valve assembly, Balanced. W. McClintock and F. Y. Pearne. 1,873,446; Aug. 23.
Valve assembly, Compressor. O. J. Kenyon. 1,889,247; Nov. 29.
Valve assembly for air compressing cylinders. A. Wyzenbeek. 1,860,163; May 24.
Valve assembly, Multicloisure head. E. L. Jaspar. 1,844,222; Feb. 9.
Valve, Automatic. A. L. Browne. 1,889,311; Nov. 29.
Valve, Automatic. J. P. Clingingsmith and A. J. Smith. 1,865,886; July 5.
Valve, Automatic by-pass. H. E. Balsiger. 1,879,020; Sept. 27.
Valve, Automatic check. W. Fourness. 1,854,467; Apr. 19.
Valve, Automatic control. O. Eberspacher. 1,878,270; Sept. 20.
Valve, Automatic coupling. J. De Mooy. 1,869,411; Aug. 2.
Valve, Automatic cut-off. E. J. Horton. 1,885,724; Nov. 1.
Valve, Automatic discharge. D. N. Crosthwait. jr., and H. Brennan. 1,871,044; Aug. 9.
Valve, Automatic drain. D. E. Quick. 1,840,792; Jan. 12.
Valve, Automatic gas. A. J. Milligan. 1,871,191; Aug. 9.
Valve, Automatic mixing. J. J. Lawler. 1,879,344; Sept. 27.
Valve, Automatic pressure retaining. W. H. Renn. 1,854,862; Apr. 19.
Valve, Automatic producing. B. H. Ayers. 1,881,163; Oct. 4.
Valve, Automatic producing. B. H. Ayers. 1,892,455; Dec. 27.
Valve, Automatic release. J. N. Wood. 1,891,034; Dec. 13.
Valve, Automatic shut-off. G. R. Brown and G. F. Naab. 1,877,221; Sept. 13.
Valve, Automatic shut-off. K. Jernberg. 1,848,176; Mar. 8.
Valve, Automatic thermostatic control. R. Hetherington. 1,888,225; Nov. 22.
Valve, Automatic timing. C. S. Hand. 1,861,742; June 7.
Valve, Automatic vacuum. W. B. Anderson. 1,872,383; Aug. 16.
Valve, Automatic watering. D. E. Williams. 1,867,691; July 19.
Valve, Auxiliary air. B. and J. G. Luks. 1,851,438; Mar. 29.
Valve, Auxiliary operated governing. W. F. Krichbaum. 1,851,547; Dec. 30.
Valve, Back pressure. J. D. Brack. 1,840,168; Mar. 15.
Valve bag closure. H. R. William. 1,861,995; June 7.
Valve bags, Apparatus for filling. E. A. Marsh. 1,854,545; June 26.
Valve, Balanced. F. Wagner. 1,877,542; Sept. 13.
Valve, Balanced quick operating. F. Henneböhle. 1,861,316; June 7.
Valve, Balanced wedge check. I. B. Laskowitz. 1,839,683; Jan. 5.
Valve, Bleeder. J. P. Grilli. 1,881,272; Oct. 4.
Valve, Blow-off. G. Gerdts. 1,884,991; Oct. 25.
Valve, Blow-off. A. G. Hollingshead and C. W. Ploen. 1,852,600; Oct. 4.
Valve, Blow-off. F. M. Patterson. 1,843,930; Feb. 9.
Valve box for steam or like engines. J. Kupka. 1,854,044; Apr. 12.
Valve, Boat drain. E. B. Greear. 1,866,643; July 12.
Valve, Brake. F. Karsten. 1,843,425; Feb. 2.
Valve, Brake application. C. C. Farmer. 1,850,621; Mar. 22.
Valve, Brake control. C. A. Ives. 1,874,297; Aug. 30.
Valve, Brake controlling. S. G. Down. 1,879,661; Sept. 27.
Valve, Brake pipe cut-off. C. C. Farmer. 1,842,514; Jan. 26.
Valve, By-pass. C. H. Miller. 1,840,968; Jan. 12.
Valve cage. H. J. Mastenbrook. 1,872,157; Aug. 16.
Valve cap for containers, etc. W. A. Roselle. Des. 86,272–3; Feb. 16.
Valve cap for pneumatic tires. C. Dunois. 1,887,293; Nov. 8.
Valve, Carbon dioxide drum. E. D. Hale. 1,872,574; Aug. 16.
Valve, Check. W. A. Buehler. 1,879,890; Sept. 27.
Valve, Check. C. O. Buenger. 1,892,640; Dec. 27.
Valve, Check. G. B. Hoffman. 1,871,984; Aug. 16.
Valve, Check. G. M. Kessler. 1,890,513; Dec. 13.
Valve, Check. O. V. Kruse. 1,841,608; Jan. 19.
Valve, Check. R. Y. Lipscomb and E. J. Kunsman. 1,889,256; Nov. 29.
Valve, Check. O. M. Summers. 1,852,033; Apr. 5.
Valve, Check. P. Yardley. 1,860,004; May 24.
Valve chests and bushings, Registration of. G. M. Nell. 1,839,581; Jan. 5.
Valve circuits, Electric. A Boyajian. 1,866,343; July 5.
Valve, Closed and cylindrical rotor. H. P. MacGregor. 1,861,541; June 7.
Valve, cock, and the like. J. W. Brindley. 1,872,632; Aug. 16.
Valve, Combination gate and reversible check. W. B. Green. 1,875,591; Sept. 6.
Valve, Combination pressure regulating and shut-off. C. H. Hook and N. L. Mercur. 1,874,293; Aug. 30.
Valve, Combined circulating and by-pass. E. B. Whelan. 1,865,121; Apr. 19.
Valve, Combined flow control and check. L. N. McClellan, P. A. Kinzie, J. L. Savage, and C. M. Day. 1,856,222; May 3.
Valve, Combined mixing and diverting. R. E. Bletcher and E. H. Bucknell. 1,878,097; Sept. 20.
Valve combustion engine, Rotary. H. Manrodt. 1,866,119; July 5.
Valve, Compressor. P. Andersson. 1,860,445; May 31.

Valve comprising an equalizing chamber, a main and an auxiliary valve. F. Wagner, 1,847,107; Mar. 1.
Valve connection, Tire. W. J. Kirkpatrick. 1,854,797; Apr. 19.
Valve construction. C. F. Johnson. 1,854,197; Apr. 19.
Valve construction. G. F. Ritter. 1,857,477; May 10.
Valve construction. H. R. Sage. 1,873,413; Jan. 5.
Valve construction, Automatic. K. C. Bryant. 1,867,874; July 19.
Valve construction, Check. J. C. Schofield and V. A. Johnson. 1,856,512; May 3.
Valve construction, Clearance. W. M. Spoor. 1,874,135; Aug. 30.
Valve construction, Flush. A. R. Gilmore. 1,881,485; Oct. 11.
Valve construction for pneumatic tools. R. A. Norling. 1,881,886; Oct. 11.
Valve, Continuous blow-off. C. G. Hawley. 1,883,727; Oct. 18.
Valve, Control. L. C. Bayles. 1,846,832; Feb. 23.
Valve, Control. F. E. Beebe. 1,850,371; Mar. 22.
Valve, Control. R. L. Doolittle and W. C. Hunter. 1,855,386; Apr. 26.
Valve control. J. J. Metcalf. 1,856,350; May 3.
Valve control. R. E. Newell. 1,844,071; Feb. 9.
Valve control. E. J. Parish. 1,856,927; May 3.
Valve control, Electric. L. M. Persons. 1,855,415; Apr. 26.
Valve control for concrete mixers. S. Shafer, jr. 1,841,984; Jan. 19.
Valve control for concrete mixers, Water. S. Shafer, jr. 1,839,807; Jan. 5.
Valve control for gas engines, Automatic chokers. T. J. Kelaher, jr. 1,843,680; Feb. 2.
Valve control system, Pfau. 1,839,257; Jan. 5.
Valve converting system, Electric. R. Tröger. 1,892,543; Dec. 27.
Valve coupling, Automatic. E. A. Owen. 1,864,463; June 21.
Valve, Damped light. O. O. Ceccarini. 1,867,729; July 19.
Valve, Delay action. H. Nightingale and H. Meachem. 1,874,793; Aug. 30.
Valve, Deluge. E. A. Lowe. 1,841,830; Jan. 19.
Valve, Deluge. E. A. Lowe and J. R. Hamilton. 1,869,204; July 26.
Valve device. P. A. Borden. 1,890,494; Dec. 13.
Valve device. M. H. Carson. 1,849,906; Mar. 15.
Valve device. C. L. Harrington. 1,881,538; Oct. 11.
Valve device. O. W. Thompson. 1,875,898; Sept. 6.
Valve device, Check. E. E. Hewitt. 1,889,122; Nov. 29.
Valve device, Control. R. K. Lynn. 1,870,856; Aug. 9.
Valve device, Coupling. T. H. Thomas and U. A. Whitaker. 1,850,573; Mar. 22.
Valve device, Feed. D. F. Brown. 1,891,666; Dec. 20.
Valve device, Fluid pressure regulating. R. J. Bush. 1,887,378; Nov. 15.
Valve device for connection to a hot water supply. L. D. Lovekin. 1,875,929; Sept. 6.
Valve device for hot water supplies, Pressure and temperature. L. D. Lovekin. 1,885,750; Apr. 19.
Valve device, Hold back. J. C. McCune. 1,881,210; Oct. 4.
Valve device, Maintaining. T. H. Thomas. 1,887,702; Nov. 15.
Valve device, Pressure relief. J. M. Dougherty. 1,874,931; Aug. 30.
Valve device, Train pipe coupling. U. A. Whitaker. 1,850,574; Mar. 22.
Valve, Diaphragm. J. K. Saunders. 1,855,991; Apr. 26.
Valve, Diaphragm actuated. C. A. Campbell. 1,860,450; May 31.
Valve, Differential. C. F. Peckham. 1,866,319; July 5.
Valve disk composition. C. A. Nash. 1,888,179; Nov. 15.
Valve, Dispensing. H. I. Koppelman and W. Seidel. 1,884,760; Oct. 25.
Valve, Diverter. W. Schneider. 1,868,768; July 26.
Valve, Double four way. W. K. McMillan. 1,840,784; Jan. 12.
Valve, Drain stop. P. Luppes. 1,857,054; May 3.
Valve, Draw-off. C. J. Willenborg, jr. 1,884,458; Oct. 25.
Valve, Drifting. M. McComas. 1,848,019; Mar. 1.
Valve, drifting mechanism, Sleeve. A. J. Meyer. 1,852,181; Apr. 5.
Valve, Dry pipe. W. B. Griffith. 1,866,766; July 12.
Valve, Dry pipe. W. K. Hodgman, jr. 1,856,853; May 3.
Valve, Dry pipe. A. C. Rowley. 1,863,453; June 14.
Valve, Dual rotary. F. B. Stoner. 1,860,725; May 31.
Valve, Duplex. J. M. Jenkins. 1,848,175; Mar. 8.
Valve, Duplex disk. H. D. Rice, jr., and J. M. Babb. 1,867,952; July 19.
Valve ejector, Vacuum. H. C. Beede. 1,842,500; Jan. 26.
Valve, Electrical controlled. C. S. Jarrell and A. M. Webb. 1,865,058; June 28.
Valve, Electromagnetic double control. J. L. Musgrave. 1,852,392; Apr. 11.
Valve, Electromagnetically-operated. L. O. French. 1,879,165; Sept. 27.
Valve, Emergency release. F. X. Smith. 1,878,002; Sept. 20.
Valve, Engine. H. Ford. 1 873,569; Aug. 23.
Valve, Engine. C. E. Stewart. 1,844,021; Feb. 9.
Valve especially for pumps and compressors. K. Schoene. 1,870,927; Aug. 9.
Valve, Expansion. R. L. Smith. 1,858,471; May 17.
Valve facing machine. J. S. Holmes. 1,864,305; June 21.
Valve, Filling. W. de Back. 1,862,923; June 14.
Valve, Fire or heat closing. R. E. Kraft. 1,840,959; Jan. 12.
Valve fitting for plumbing fixtures. B. Lutsky. 1,852,123; Apr. 5.
Valve fitting, Relief. J. A. Maynard. 1,863,227; June 14.
Valve fixture. O. J. Grandahl. Des. 86,452; Mar. 8.
Valve, Float. S. F. Bashaw. 1,874,579; Aug. 16.
Valve, Float. J. L. Bauer. 1,883,480; Oct. 18.
Valve, Float. W. S. Brubaker. 1,846,541; Feb. 23.
Valve, Flood-tide and backwater. A. M. Khun. 1,864,443; June 21.
Valve, Flow operated. F. R. Schmidt. 1,853,702; Apr. 12.
Valve, Fluid compressor controlling. E. E. Hewitt. 1,870,848; Aug. 9.
Valve, Fluid compressor regulating. A. F. Parks. 1,884,179; Oct. 25.
Valve, Fluid pressure operated. D. M. Jackson. 1,847,343; Mar. 1.
Valve, Fluid relief. A. C. Roessler. 1,841,237; Jan. 12.
Valve, Flush. C. L. Esterly. 1,868,316; July 19.
Valve, Flush. J. L. Finnegan. 1,841,433; Jan. 19.
Valve, Flush. M. A. Hagey. 1,876,223; Sept. 6.
Valve, Flush. F. P. Miller. 1,845,055; Feb. 16.
Valve, Flush. R. C. Shand. 1,841,456; Jan. 19.
Valve, Flush. W. E. Sloan. 1,858,470; May 17.
Valve, Flush. W. E. Sloan. 1,873,001; Sept. 20.
Valve, Flush. B. O. Tilden. 1,861,250; May 31.
Valve, Flush. W. C. Wright. 1,849,129–30; Mar. 15.
Valve, Flush. R. H. Zinkil. 1,860,974; May 31.
Valve, Flushing. R. A. Brooks. 1,868,520; July 26.
Valve, Flushing. J. C. Owens. 1,850,354; Mar. 22.
Valve, Flushing. W. G. Schultheiss. 1,853,463; Apr. 12.
Valve, Flushing. W. C. Tanner. 1,868,591; July 26.
Valve follower. H. T. Chandler. 1,866,293; July 5.
Valve, Foot. O. J. Hess. 1,850,683; Dec. 13.
Valve for air and gas mixtures, Thermostatically controlled. E. H. Ryden and W. S. Walker. 1,841,211; Jan. 12.
Valve for airbags. C. Van Rennes. 1,875,782; Sept. 6
Valve for air brakes. C. A. Campbell. 1,871,109; Aug. 9
Valve for alemite fitting connections, Greaser. D. R. Yarnall. 1,872,211; Aug. 16.
Valve for automatic railway brakes, Triple. F. Kasantzeff. 1,890,087; Dec. 6.
Valve for bladders and other inflatable hollow bodies. Air. S. Saul. 1,878,715; Sept. 20.
Valve for breathing appliances, Nonreturn. H. Stelzner. 1,867,478; July 12.
Valve for carburetting and starting. H. C. Hanson. 1,852,846; Apr. 5.
Valve for carburetor, Choke. D. Cole. 1,872,412; Aug. 16.
Valve for compressed air systems, Combination check, pilot, and unloading. A. A. Smallhouse. 1,857,666; May 10.
Valve for compressors, Unloader. E. Nathan. 1,887,858; Nov. 15.
Valve for controlling fluid pressure. L. L. Nettleton. 1,887,322; Nov. 8.
Valve for cookers. R. N. Kircher. 1,857,459; May 10.
Valve for corrosive fluids. P. Julien. 1,840,904; Jan. 12.
Valve for Diesel and like engines, Liquid fuel injection. J. H. Brown. 1,856,089; May 3.
Valve for direct acting railway brakes, Triple. F. Kasantzeff. 1,890,068; Dec. 6.
Valve for engines, Slide. O. G. Erickson. 1,890,976; Dec. 13.
Valve for filling nozzles, Shut-off. H. W. Lormor. 1,876,988; Sept. 13.
Valve for filtering devices. A. Wright and F. W. Young. 1,872,209; Aug. 16.
Valve for fluid actuated hammers. P. F. Koplin. 1,859,876; May 24.
Valve for fluid compressors, Reversing. B. H. Thompson. 1,879,647; Sept. 27.
Valve for fluid lifts, Check. F. D. Wachsmuth. 1,868,374; July 19.
Valve for furnace regenerative chambers. C. P. Byrnes. 1,844,866; Feb. 9.
Valve for garment presses. W. A. Zeidler. 1,890,554; Dec 13.
Valve for gas burners, Locking. C. E. Wise. 1,887,344; Nov. 8.
Valve for gas burners, Safety. A. Kalo. 1,856,641; May 3.
Valve for gas or oil wells, Safety. F. Carroll and W. Coss. 1,839,198; Jan. 5.
Valve for gasoline dispensing systems. C. D. Fagan and G. Ramsey. 1,846,712; Feb. 23.
Valve for heating system, Relief. J. Ellberg and M. Cromwall. 1,848,703; Mar. 8.
Valve for high pressure fluids. C. H. Smoot. 1,839,710; Jan. 5.
Valve for hose couplings, Bleed. D. W. McIntyre. 1,848,261; Mar. 8.
Valve for hot water radiators, Automatic air. F. Clancy. 1,879,091; Sept. 27.
Valve for hot water systems. I. I. Nelson. 1,861,506; June 7.
Valve for hydraulic presses or the like, Surge. W. Ernst. 1,892,568; Dec. 27.

Valve for hydraulic pumping systems, Float-controlled diaphragm. T. F. Moore. 1,890,126; Dec. 6.
Valve for internal combustion engines. G. Beck. 1,881,259; Oct. 4.
Valve for internal combustion engines. F. L. Sims. 1,861,885; June 7.
Valve for internal combustion engines, Air inlet. A. C. Biancke. 1,886,368; Nov. 8.
Valve for internal combustion engines and pumps. R. C. Cross. 1,887,997; Nov. 15.
Valve for internal combustion engines, Compensating slide. M. H. Crimmins. 1,849,614; Mar. 15.
Valve for internal combustion engines, Electrically operated air admission. W. R. Fulkinghorn. 1,887,515; Nov. 15.
Valve for internal combustion engines, Fuel admission. L. Castaldi. 1,849,050; Mar. 8.
Valve for internal combustion engines, Liquid fuel. M. Falisca. 1,856,852; May 3.
Valve for internal combustion engines, Rotary. C. C. Fess. 1,854,648; Apr. 19.
Valve for internal combustion engines, Rotary. W. H. McGlade. 1,889,684; Nov. 29.
Valve for liquid or gaseous substances, Stop. A. F. Koppel and M. Albrecht. 1,883,960; Oct. 25.
Valve for locomotive sander. W. L. Ransom. 1,884,227; Oct. 25.
Valve for lubrication and cooling, Oil spray. G. D. Angle. 1,882,716; Oct. 18.
Valve for milk pasteurizing machines, Quick flushing. E. Manning. 1,868,947; July 26.
Valve for milking machines. C. H. Hapgood. 1,846,865; Feb. 23.
Valve for motor pumps, By-pass. C. E. McGregor. 1,844,668; Feb. 9.
Valve for moving picture projectors, Magazine. A. J. Holman. 1,845,840; Feb. 16.
Valve for oil burners, Automatic stop. O. W. Brear. 1,856,408; May 3.
Valve for oil engines, Fuel injection. M. J. Goldberg. 1,874,283; Aug. 30.
Valve for oil wells, Automatic fire extinguishing. J. Raou. 1,868,537; Mar. 8.
Valve for oil wells, Controlling. A. J. Palmer. 1,844,792; Feb. 9.
Valve for pipe lines, Air and vacuum relief. J. C. Higgins. 1,873,403; Aug 23.
Valve for pipe lines, Air relief. J. C. Higgins. 1,877,400; Sept. 13.
Valve for pneumatic dispatch systems. J. J. Stoetzel. 1,856,889; May 3.
Valve for pneumatic tires. J. T. Crute. 1,850,662; Mar. 22.
Valve for pump mechanism, Booster. C. H. Fox. 1,850,075; Mar. 22.
Valve for pumping systems, Multiple. H. M. Keith. 1,862,407; June 7.
Valve for pumps or the like. L. S. Hamer. 1,844,159; Feb. 9.
Valve for receptacle filling apparatus, Plunger. C. N. Bergmann. 1,872,103; Aug. 16.
Valve for refrigerating apparatus. O. M. Summers. 1,854,280; Apr. 19.
Valve for regulating the flow of fluids. C. Brotherton. 1,847,146; March 1.
Valve for rock drills. G. W. Hulshizer. 1,855,240; Apr. 26.
Valve for rock drills. F. M. Slater. 1,861,984; June 7.
Valve for rock drills. W. A. Smith, jr. 1,843,958; Feb. 9.
Valve for rock drills. W. A. Smith, jr. 1,846,818; Feb. 23.
Valve for rock drills. W. A. Smith, jr. 1,855,206; Apr. 26.
Valve for rock drills. W. A. Smith, sr. 1,852,593; Apr. 5.
Valve for rock drills. W. A. Smith, sr. 1,889,423; Nov. 29.
Valve for runways, Gate. D. L. Cramp. 1,869,547; Aug. 2.
Valve for sand traps, Automatic air. R. A. Light and J. W. Price, jr. 1,840,964; Jan. 12.
Valve for shock absorbers. E. F. Kossman. 1,884,262; Oct. 25.
Valve for smoking articles, Check. J. L. Dorschel. 1,885,686; Nov. 1.
Valve for steam distributing gears, Poppet. A. Caprotti. 1,869,463; Aug. 2.
Valve for steam or other fluids and liquids, Stop. H. L. Morton. 1,891,551; Dec. 20.
Valve for steam radiators and the like. S. A. W. Okell. 1,868,541; July 26.
Valve for storage tanks, Automatic cut-off. C. W. Smith. 1,857,409; May 10.
Valve for syrupers, Filling. A. P. Arzino. 1,865,227; June 28.
Valve for syrupers, Filling. T. McGhee. 1,877,927; Sept. 20.
Valve for tire inflators. J. F. Key. 1,870,574; Aug. 9.
Valve for torpedoes, Stop. W. Dieter. 1,845,135; Feb. 16.
Valve for volatile liquid storage tanks, Control. J. J. Tokheim. 1,890,870; Dec. 13.
Valve for water-closet tanks, Outlet. A. A. Carson. 1,840,697; Jan. 12.
Valve for water closets. W. J. Woolley. 1,851,268; Mar. 29.
Valve for water closets, Combined check and cut-off. P. Volk and A. J. Wuebben. 1,846,624; Feb. 23.
Valve for water heaters, Thermostatic. E. J. Te Pas. 1,842,329; Jan. 19.
Valve for water supply systems, Cut-off. R. S. Kelley. 1,849,491; Mar. 15.
Valve for well casings, Safety. E. Gray and R. A. Mueller. 1,872,139; Aug. 16.
Valve for wells. H. Kratzer. 1,847,011; Feb. 23.
Valve for wind musical instruments. W. W. Nelson. 1,881,057; Nov. 15.
Valve for wireless telegraphy or telephony. J. A. M. Hawadier. Re18,628; Oct. 18.
Valve, Forged steel. W. W. Mohr. 1,878,288; Sept. 20.
Valve, Fuel. G. Pielstick. 1,871,340; Aug. 9.
Valve, Fuel feeding. H. Rohwer. 1,840,256; Jan. 5.
Valve, Fuel relief. A. C. Estep. 1,885,338; Nov. 1.
Valve, Gas. M. Apfelbaum. 1,843,476; Feb. 2.
Valve, Gas. A. Lenktis. 1,864,917; June 28.
Valve, Gas. L. H. Morse and L. A. Lockhart. 1,881,846; Oct. 11.
Valve, Gas and air. G. H. Johanson. 1,872,961; Aug. 23.
Valve, Gas engine. M. J. Moran. 1,873,012; Aug. 23.
Valve, Gas reversing. C. D. Smith. 1,856,516; May 3.
Valve, Gate. V. L. Du Bois. 1,871,965; Aug. 16.
Valve, Gate. J. H. Freeze. 1,882,136; Oct. 11.
Valve, Gate. H. M. Loffon. 1,874,556; Aug. 30.
Valve, Gate. W. W. Mohr. 1,882,227; Oct. 11.
Valve, Gate. C. F. Waxman. 1,885,159; Nov. 1.
Valve, Gate. R. Weil. 1,839,139; Dec. 29.
Valve, Globe. J. O. Webb. 1,890,836; Dec. 13.
Valve, Graduated release. U. A. Whitaker. 1,842,486; Jan. 26.
Valve, Graduated release. U. A. Whitaker. 1,879,648; Sept. 27.
Valve grinding means. H. I. Dyer. 1,880,377; Oct. 4.
Valve handle construction. H. W. Goodall. 1,854,651; Apr. 19.
Valve handle, Lavatory. W. P. Ferguson. Des. 86,672; Apr. 5.
Valve handle, Lavatory and shower. J. Duncan. Des. 87,511; Aug. 9.
Valve, Heat control. C. H. Kirby. 1,853,624; Apr. 12.
Valve, Heavy duty. M. P. Teller. 1,867,195; July 12.
Valve, High pressure. M. W. Degnan. 1,865,458; July 5.
Valve, High pressure. J. E. Lewis. 1,844,104; Feb. 9.
Valve, High-pressure. F. May. 1,858,164; May 10.
Valve, High-pressure relief. L. W. Browne. 1,892,565; Jan. 3.
Valve, High pressure self-grinding. F. W. Edwards. 1,890,248; Dec. 6.
Valve holder for tube vulcanizers. W. Breth. 1,871,581; Aug. 16.
Valve, Hollow cylindrical. E. G. Reed. 1,877,589; Sept. 13.
Valve housing. G. C. Davis. 1,844,207; Feb. 9.
Valve, Humidity controlled. F. F. Bahnson. 1,891,133; Dec. 13.
Valve, Hydraulic. H. Ernst and C. W. Goodrich. 1,872,626; Aug. 16.
Valve insert, Time. C. S. Preston. 1,862,160; June 7.
Valve insides. J. C. Crowley. 1,854,784; Apr. 19.
Valve insides assembly machine, Tire. L. C. Broecker. 1,878,575; Sept. 20.
Valve, Internal air cooled exhaust. J. Edman. 1,846,800; Feb. 23.
Valve, Internal combustion engine. W. H. Seabrook. 1,869,919; Aug. 2.
Valve, Internal combustion engine. V. F. Zahodiakin. 1,876,160; Sept. 6.
Valve, Inverted vent check. M. W. Brown, H. J. Klein, and R. H. Wagar. 1,851,084; Mar. 29.
Valve, Irrigator. N. B. Salerni. 1,845,343; Feb. 16.
Valve keeper retainer. R. E. Dawson. 1,840,704; Jan. 12.
Valve lifter. I. J. Clark. 1,871,498; Aug. 16.
Valve lifter, Hydraulic. M. S. Anthony and E. H. Wilson. 1,887,390; Nov. 8.
Valve lifter, Hydraulic. A. S. Berck. 1,855,508; Apr. 26.
Valve, Light. O. O. Ceccarini. 1,855,623; Apr. 26.
Valve, Light. D. G. Shearer and O. O. Ceccarini. 1,843,989; Feb. 9.
Valve, Liquid sealed vacuum and pressure relief. J. H. Wiggins and C. A. Turner. 1,874,727; Aug. 30.
Valve lock. H. L. Quintenz. 1,879,482; Sept. 27.
Valve lock. B. Sakowicz. 1,856,266; May 3.
Valve, Locomotive safety. B. J. Morrison. 1,857,514; May 10.
Valve, Lubricated and sealed plug. V. E. Flodin. 1,875,502; Aug. 30.
Valve, Lubricated plug. F. N. Bard. 1,888,207; Nov. 22.
Valve, Lubricating. S. S. Roberts. 1,870,068; Aug. 2.
Valve, Magnetically operated. L. E. Koch and H. C. Roth. 1,883,957; Oct. 25.
Valve, Magnetically operated. L. A. M. Phelan. 1,883,240; Oct. 18.
Valve, Measuring. W. S. Pritchard. 1,843,782; Feb. 2.
Valve mechanism. A. E. Armstrong. 1,856,451; May 3.
Valve mechanism. J. B. Aufuldish. 1,844,086; Feb. 9.
Valve mechanism. L. A. Cornelius. 1,887,235; Nov. 8.
Valve mechanism. J. C. Crowley. 1,846,315; Feb. 23.
Valve mechanism. J. C. Crowley. 1,874,914; Aug. 30.
Valve mechanism. G. W. Elsey. 1,871,969; Aug. 16.
Valve mechanism. H. A. Gebres. 1,890,051; Dec. 6.

Valve mechanism. C. H. Hook and N. L. Mercur. 1,871,057; Aug. 9.
Valve mechanism. H. R. Humphrey. 1,839,483; Jan. 5.
Valve mechanism. F. V. D. Longacre. 1,859,879; May 24.
Valve mechanism. E. F. Loweke. 1,885,121; Nov. 1.
Valve mechanism. L. C. Schenck. 1,887,321; Nov. 15.
Valve mechanism. E. Showmin. 1,874,818; Aug. 30.
Valve mechanism, Damper. J. W. Allen. 1,847,804; Mar. 1.
Valve mechanism, Drill rod. E. Whinnen. 1,884,940; Oct. 25.
Valve mechanism, Electroresponsive. N. L. Mercur. 1,871,029; Aug. 9.
Valve mechanism, Emergency. C. C. Farmer. 1,842,516; Jan. 26.
Valve mechanism, Exhaust. H. G. Mueller. 1,886,212; Nov. 1.
Valve mechanism, Extracting check. G. W. Isbell. 1,861,396; May 31.
Valve mechanism, Float controlled. J. B. Olson. 1,843,296; Feb. 2.
Valve mechanism for automatic liquid weighing scales. W. E. Cooper. 1,851,348; Mar. 29.
Valve mechanism for hydraulic presses. W. Ernst. 1,851,622; Mar. 29.
Valve mechanism for internal combustion engines. G. F. Edmunds. 1,857,626; May 10.
Valve mechanism for internal combustion engines. C. B. Hardman. 1,875,238; Aug. 30.
Valve mechanism for internal combustion engines. J. W. Mackenzie. 1,869,383; Aug. 2.
Valve mechanism for internal combustion engines. J. G. Schotthoefer. 1,857,005; May 3.
Valve mechanism for pumps. F. G. Hodsdon. 1,886,190; Nov. 1.
Valve mechanism for rock drills. W. A. Smith, jr. 1,874,133; Aug. 30.
Valve mechanism for suction feeders. A. Broadmeyer. 1,888,194; Nov. 15.
Valve mechanism for two-cycle engines, Rotary. O. Evinrude. 1,845,702; Feb. 16.
Valve mechanism for vacuum brake systems, Controlling. C. S. Bragg and V. W. Kliesrath. 1,848,413; Mar. 8.
Valve mechanism for vacuum sealing machines, Master. G. A. and G. V. Bardet. 1,874,854; Aug. 30.
Valve mechanism, Gas regulator. H. R. Hughes. 1,861,941; May 31.
Valve mechanism, Gate. L. D. Barner. 1,848,406; Mar. 8.
Valve mechanism, High pressure safety. J. R. Martin. 1,840,967; Jan. 12.
Valve mechanism for internal combustion engine. W. Kasten. 1,862,222; June 7.
Valve mechanism, Locomotive. H. S. Vincent. 1,865,547; July 5.
Valve mechanism, Pump. J. D. Nixon. 1,873,782; Aug. 23.
Valve mechanism, Selective safety tank. P. S. Shield. 1,845,817; Feb. 16.
Valve mechanism, Throttle. M. L. Hacker, J. W. Wells, L. P. Hacker, and L. D. Barner. 1,867,004; July 12.
Valve mechanism, Traveling. H. Gray. 1,841,805; Jan. 19.
Valve mechanism, Well control and safety. R. D. Stockstill. 1,877,141; Sept. 13.
Valve, Mixing. W. E. Foster. 1,843,890; Feb. 2.
Valve, Mixing. W. E. Foster. 1,856,380; May 3.
Valve, Mixing. L. Hall. 1,891,926; Dec. 27.
Valve, Mixing. J. K. Lund. 1,858,454; May 17.
Valve, Mixing. W. V. McNamara. 1,855,359; Apr. 26.
Valve, Mixing. M. O. Snediker. 1,879,771; Sept. 27.
Valve, Mixing and diverting. F. H. Krupp. 1,886,889; Nov. 8.
Valve, Mixture. R. Saelzler. 1,882,953; Oct. 18.
Valve, Multiple. A. Hall. 1,842,804; Jan. 26.
Valve, Multiple-way. L. D. A. Rustin and A. J. G. Bolard. 1,856,226; May 3.
Valve, Multiple-way by-pass. W. G. Miller. 1,858,054; May 17.
Valve, Musical instrument. P. F. Petersen. 1,879,462; Sept. 27.
Valve, Non-freezing. R. L. Huffman. 1,888,130; Nov. 15.
Valve, Nozzle. F. J. Stokes and C. J. Westin. 1,843,701; Feb. 2.
Valve nut and insides assembling machine. N. E. Gardiner and G. B. Nichols. 1,846,638; Feb. 23.
Valve, Oil. S. H. Childs. 1,880,801; Oct. 4.
Valve, Oil draining. L. W. and H. W. Niles. 1,891,287; Dec. 27.
Valve opening and closing apparatus, Power operated. C. E. Jones. 1,864,653; June 28.
Valve operated by air pressure, Gas control. F. W. Hornbruch. 1,853,863; Apr. 12.
Valve operating assembly. A. O. Abbott, jr. 1,865,998; July 5.
Valve operating device. W. H. Paulson. 1,844,503; Feb. 9.
Valve operating device, Filling station. S. Dabroski. 1,858,766; May 17.
Valve operating means. M. Mutrux and R. Caillet. 1,879,415; Sept. 27.
Valve operating mechanism. G. Boulet. 1,885,796; Nov. 1.
Valve operating mechanism. O. N. Bryant. 1,861,093; May 31.
Valve operating mechanism. R. L. Gray. 1,850,544; Mar. 22.
Valve operating mechanism. A. F. Schwendner. 1,861,092; May 31.
Valve operating mechanism for internal combustion engines. H. J. Howard. 1,864,735; June 28.
Valve operating mechanism, Hydraulic. G. E. A. Hallett. 1,872,141; Aug. 16.
Valve operator. D. J. Stewart. 1,875,672; Sept. 6.
Valve or cock. J. G. Barber. 1,890,357; Dec. 6.
Valve or cock. R. W. Leach. 1,882,287; Oct. 11.
Valve or tappet heads, Apparatus for forming. C. L. Hackett. 1,891,521; Dec. 20.
Valve, Outlet. R. C. Pierce. 1,863,252; June 14.
Valve pad construction. E. A. Wakefield. 1,876,367; Sept. 6.
Valve, Parallel slide. E. A. Bolton and T. F. Gray. 1,863,650; June 21.
Valve, Plate. W. E. Bebbington. 1,856,617; May 3.
Valve, Plug. W. W. Mohr. 1,848,369; Mar. 8.
Valve, Plug. F. J. O'Rourke. 1,841,050; Jan. 12.
Valve plunger construction. D. R. Yarnall. 1,868,811; July 26.
Valve, Pneumatic dispatch outlet. J. J. Stoetzel. 1,849,119; Mar. 15.
Valve, Pneumatic tire. A. J. Michelin. 1,865,580; July 5.
Valve, Pneumatically balanced. S. R. Warren. 1,883,838; Oct. 18.
Valve, Pop. G. B. Duffield. 1,865,560; July 5.
Valve, Poppet. E. J. Fisk. 1,868,138; July 19.
Valve, ports, Forming. A. V. Richy. 1,841,403; Jan. 19.
Valve, Power operated. F. C. Arey. 1,842,382; Jan. 26.
Valve, Pressure control. R. R. Bottoms. 1,849,475; Mar. 15.
Valve, Pressure-operated. E. Woerner. 1,891,586; Dec. 20.
Valve, Pressure reducing. J. T. Ahnberg. 1,861,375; May 31.
Valve, Pressure reducing. B. E. Horne. 1,876,937; Sept. 13.
Valve, Pressure reducing. H. Meyer. 1,890,821; Dec. 13.
Valve, Pressure reducing and regulating. P. C. Temple. 1,885,389; Nov. 1.
Valve, Pressure reducing or relief. A. Moore. 1,877,938; Sept. 20.
Valve, Pressure regulating. F. C. Bell. 1,858,612; May 17.
Valve, Pressure relief. B. E. Horne. 1,876,938; Sept. 13.
Valve, Pressure relief. W. G. Watkins. 1,858,202; May 10.
Valve, Pressure retaining. F. P. Livingston. 1,879,696; Sept. 27.
Valve, Pressure retaining. P. F. Wilson. 1,892,261; Dec. 27.
Valve, Proportional. G. F. Naab and G. R. Brown. 1,885,130; Nov. 1.
Valve, Proportioning. G. R. Brown and G. F. Naab. 1,846,946; Feb. 23.
Valve, Pump. S. F. Brown. 1,864,520; June 28.
Valve, Pump. L. L. Carson. 1,880,120; Sept. 27.
Valve, Quick coupler. W. Van E. Thompson. 1,855,264; Apr. 26.
Valve, Quick coupler. W. V. E. Thompson. 1,875,679; Sept. 6.
Valve, Radiator. J. R. Lawler. Des. 86,678; Apr. 5.
Valve, Radiator. W. R. Mackintosh. 1,875,387; Sept. 6.
Valve, Radiator. L. Schwartz. 1,869,282; July 26.
Valve, Radiator. C. G. Thibodeau. 1,870,300; Aug. 9.
Valve rectifying system, Electric. H. W. Lord. 1,873,652; Aug. 23.
Valve, Reduction. H. E. McKinney. 1,843,953; Feb. 9.
Valve, Regulating. H. H. and A. H. Douglass. 1,889,142; Nov. 29.
Valve, Regulating. A. D. MacLean. 1,860,468; May 31.
Valve regulating device. A. Wiesenhütter. 1,844,415; Feb. 9.
Valve, Regulator. S. H. Brooks. 1,877,487; Sept. 13.
Valve, Regulator. W. C. Buttner. 1,859,914; May 24.
Valve, Relief. C. G. Bergin. 1,868,841; July 26.
Valve, Relief. R. S. Heise. 1,856,996; May 3.
Valve, Relief. J. Kuhl. 1,868,504; July 26.
Valve, Relief. H. Muller. 1,884,010; Oct. 25.
Valve, Relief. H. Muller. 1,885,000; Oct. 25.
Valve, Remote control pilot. D. H. Annin. 1,872,871; Aug. 23.
Valve, Respiratory. R. Monro. 1,853,373; Apr. 12.
Valve, Retriever. J. J. Sale. 1,856,821; May 3.
Valve retainer. V. P. Schoetzow. 1,862,283; June 7.
Valve, Reversing. H. Moll. 1,849,242; Mar. 15.
Valve, Rotary. D. D. De Loach. 1,871,502; Aug. 16.
Valve, Rotary. J. Thorkildsen. 1,867,235; July 12.
Valve, Rotary disk. P. Pashok. 1,878,535; Sept. 20.
Valve, Rotary plug. J. Swendeman. 1,843,257; Feb. 2.
Valve, Rotary type float. J. L. Thomas. 1,889,503; Nov. 29.
Valve, Safety. W. L. Baten and J. R. Bevill. 1,839,730; Jan. 5.
Valve, Safety. R. H. Bowman. 1,880,402; Oct. 4.
Valve, Safety. W. Harcreaves. 1,877,457; Sept. 13.
Valve, Safety. A. J. and K. T. Penick. 1,888,392; Nov. 22.
Valve, Safety. F. B. Stover. 1,891,119; Dec. 13.
Valve, Safety relief. E. J. De Pas. 1,864,880; June 21.
Valve, Sand blast stopper. R. Ruemelin. 1,856,138; May 3.
Valve, Sanitary lift. A. Jensen. 1,848,632; Mar. 8.

Valve, Screw plug slide. J. P. Curd. 1,870,557; Aug. 9.
Valve seat. J. W. MacClatchie. 1,882,433; Oct. 11.
Valve seat. W. M. Wood. 1,874,405; Aug. 30.
Valve seat, Flush tank. J. B. Howle. 1,867,262; July 12.
Valve seat gauge. F. O. Albertson and A. Madsen. 1,891,864-5; Dec. 20.
Valve seat reamer. F. O. Albertson. 1,882,690; Oct. 18.
Valve seater. R. W. Bayley. 1,851,971; Apr. 5.
Valve seats, Apparatus for renewing. R. Burston. 1,888,259; Nov. 22.
Valve seats, Renewing. C. D. Vlahek. 1,891,460; Dec. 20.
Valve, Self-adjusting. M. O. Schur. 1,882,990; Oct. 18.
Valve, Self cleaning slush pump. E. L. Eason, jr. 1,872,318; Aug. 23.
Valve, Self closing. F. Protzer. 1,851,062; Mar. 29.
Valve, Self-closing oil sampling. P. H. Schaad. 1,866,676; July 12.
Valve, Self grinding stop. M. Smolensky. 1,856,974; May 3.
Valve, Self locking. F. J. Lieske. 1,877,675; Sept. 13.
Valve, Shut-off. E. M. May. 1,859,834; May 24.
Valve, Shut-off and mixing. C. G. Cunningham. 1,842,825; Jan. 26.
Valve, Shut-off, Automatic. J. Kuen. 1,871,327; Aug. 9.
Valve, Siphon. J. L. Embly. 1,842,256; Jan. 19.
Valve, Snap action. P. F. Shivers. 1,862,373; June 7.
Valve, Snap action modulating. P. F. Shivers. 1,875,511; Sept. 6.
Valve spring. W. B. Griswold. 1,878,128; Sept. 20.
Valve spring. K. Pfeiffer. 1,840,128; Jan 5.
Valve spring compressor. R. B. Law. 1,878,280; Sept. 20.
Valve spring lifter. H. W. Kulp and M. C. Dellinger. 1,862,759; June 14.
Valve spring lifter. H. W. Kulp and M. C. Dellinger. 1,879,330; Sept. 27.
Valve, Spring loaded. O. Baur. 1,883,866; Oct. 25.
Valve spring retaining device. C. H. Cole. 1,889,915; Dec. 6.
Valve stand for liquid fuel burners. H. O. Berry and W. T. Bradbury. Des. 88,495; Dec. 6.
Valve, Standing. A. M. Bowman, G. Graham, and J. D. Nixon. 1,873,735; Aug. 23.
Valve, Steam. H. Miller. 1,870,293; Aug. 9.
Valve, Steam dome shut-off. H. W. Snyder. 1,891,958; Dec. 27.
Valve stem fitting fixture. C. D. Stromgren. 1,873,067; Aug. 23.
Valve stem joint, Flexible. L. W. Browne. 1,888,158; Nov. 15.
Valve stem, Tire. R. E. Buck. 1,865,231; June 28.
Valve, Stop. H. Schmitt. 1,885,864; Nov. 1.
Valve structure. L. G. Beadle. 1,848,691; Mar. 8.
Valve structure. J. Higgins and J. L. Schultz. 1,886,677; Nov. 8.
Valve structure. J. M. Mitchell. 1,873,138; Aug. 23.
Valve structure. G. A. Snyder. 1,853,154; Apr. 12.
Valve structure. E. R. Wharton. 1,844,532; Feb. 9.
Valve structure and control mechanism therefor. W. C. McKeesan. 1,881,967; Oct. 4.
Valve structure, Drain. J. G. Fehn. 1,839,663; Jan. 5.
Valve structure for gas engines. S. L. Hansen. 1,890,326; Dec. 6.
Valve structure for internal combustion engines. R. R. Ingalls. 1,855,634; Apr. 26.
Valve structure for pipe lines, Air. J. C. Higgins. 1,885,348; Nov. 1.
Valve structure for pumps. G. J. MacFadden. 1,839,403; Jan. 5.
Valve, Superservice flood. A. N. Khun. 1,861,397; May 31.
Valve, Switch. R. C. Adams. 1,854,918; Apr. 19.
Valve system, Thermionic. H. Andrewes. 1,876,162; Sept. 6.
Valve systems, Hydraulic. C. V. Foulds. 1,861,848; June 7.
Valve, Tank. H. B. Boyer. 1,842,068; Jan. 19.
Valve, Tank car. F. L. Dieterich. 1,890,247; Dec. 6.
Valve, Tappet. J. J. Parker. 1,875,758; Sept. 6.
Valve tappet and making the same. A. Taub. 1,854,962; Apr. 19.
Valve tappets, Forming. W. C. Osterholm. 1,842,110; Jan. 19.
Valve tappets, Forming. C. E. Wetherald. 1,848,083; Mar. 1.
Valve, Temperature actuated automatic control. J. and A. C. Sladky. 1,861,100; June 7.
Valve, Temperature responsive regulating. J. F. Hoffman. 1,856,334; May 3.
Valve, Thermionic. L. J. Davies. 1,859,075; May 17.
Valve, Thermionic. H. S. D. A. Donisthorpe. 1,843,213; Feb. 2.
Valve, Thermionic. H. J. Round. 1,874,355; Aug. 30.
Valve, Thermostatic. J. H. Kolts. 1,839,229; Jan. 5.
Valve, Thermostatic. W. J. Snow. 1,840,060; Jan. 5.
Valve, Thermostatic. E. J. Te Pas. 1,842,330; Jan. 19.
Valve, Thermostatic control. J. J. Lawler. 1,860,189; May 24.
Valve, Thermostatic mixing. H. A. Bern. 1,862,564; June 14.
Valve, Thermostatic mixing. M. E. Cartier. 1,842,358; Jan. 19.
Valve, Thermostatic snap. S. P. Vaughn. 1,874,660; Aug. 30.
Valve, Thermostatically controlled. R. N. Trane. 1,847,911; Mar. 1.
Valve, Thermostatically controlled fluid. D. H. Hill. 1,873,124; Aug. 23.
Valve, Thermostatically controlled gas. M. M. Kennedy. 1,844,120; Feb. 9.
Valve, Thermostatically operated. A. T. Spouar. 1,850,963; Mar. 22.
Valve, Thermostatically operative. G. Wright. 1,856,046; Apr. 26.
Valve, Throttling. A. L. Tobin. 1,869,832; Aug. 2.
Valve, Time. M. J. Payne. 1,861,936; June 7.
Valve, Time-limit engine-choking. L. C. Frank and D. J. Conant. 1,872,268; Aug. 16.
Valve, Tire. T. A. Hammond. 1,868,165; July 19.
Valve, Tire. W. L. Ingram. 1,857,382; May 10.
Valve, Tire pressure relief. R. C. Davis. 1,869,051; July 26.
Valve, Toilet flush. W. E. Bell. 1,889,626; Nov. 29.
Valve, Traveling. R. J. Schuyler. 1,844,985; Feb. 16.
Valve tripping mechanism. T. J. Yates. 1,861,170; May 31.
Valve, Turbine operated. F. L. Scott. 1,839,417; Jan. 5.
Valve, Twin pressure. O. E. Nelson. 1,891,570; Dec. 20.
Valve, Uniform flow. C. J. Peterson. 1,850,800; Mar. 22.
Valve, Union-bonnet. R. G. Carlson. 1,866,292; July 5.
Valve unit, Compressor. C. Wainwright. 1,854,085; Apr. 12.
Valve unit, Thermostatic. W. K. Simpson. 1,881,246; Oct. 4.
Valve, Unitary rotary. G. W. Wright. 1,865,994; July 5.
Valve, Vacuum controlling brake. W. Doty. 1,882,411; Oct. 11.
Valve, Vane. C. W. Stratford. 1,859,010; May 17.
Valve, Vent relief. M. M. Marshall. 1,856,492; May 3.
Valve, Water softener. C. A. Stickney. 1,878,019; Sept. 20.
Valve with non-plugging seat construction, Gate. F. E. Riley. 1,874,627; Aug. 30.
Valve wrench. R. E. Bissell. 1,869,813; Aug. 2.
Valves, Arrangement for dispersing badly conductive substances in vacuum. B. Loewe. 1,875,744; Sept. 6.
Valves, Cooling of thermionic. B. D. L. Mogridge. 1,874,787; Aug. 30.
Valves, Hold-in mechanism for magnet. R. D. Conklin. 1,853,571; Feb. 9.
Valves in paper sacks, Manufacture of. G. S. Hoover. 1,892,237; Dec. 27.
Valves, Making. R. E. Bissell. 1,880,704; Oct. 4.
Valves, Making. T. F. Gray and E. A. Bolton. 1,858,927; May 17.
Valves, Making composite. A. T. Colwell. 1,889,916; Dec. 6.
Valves, Method of and apparatus for sealing bag. A. Andreas. 1,852,108; Oct. 11.
Valves, Operating. R. C. Forsythe. 1,881,449; Oct. 11.
Valves, Operating means for gate. C. C. Haralson. 1,872,282; Aug. 16.
Valves, Operation of series connected vacuum. F. W. Peek, jr. 1,867,419; July 12.
Valves or gates, System for controlling. H. Rappold. 1,851,278; Oct. 4.
Valves, Retaining device for plate. S. B. Redfield. 1,850,690; Mar. 22.
Valves, Safety control for fluid fuel. F. C. Taylor. Re18,658; Nov. 15.
Valves, Steam, hydraulic and like. T. F. Gray and E. A. Bolton. 1,858,926; May 13.
Valves, Thermostatic control for. W. D. Smith. 1,875,513; Sept. 6.
Valving and sewing bag. C. H. Hartman. 1,840,232; Jan. 5.
Vane for unit heaters, Air direction. F. M. Young. 1,858,822; Mar. 22.
Vanillin and 3-ethoxy-4-hydroxybenzaldehyde, Manufacture of a. A. Pfannenstiel. 1,873,630; Aug. 28.
Vanity and smoking case. W. Schnell and J. R. Ehrbar. 1,846,529; Feb 23.
Vanity bench. E. W. McCarroll. 1,888,325; Nov. 22.
Vanity box. J. L. McAtree. 1,845,507; Feb. 16.
Vanity case. G. L. Barigye. 1,874,494; Aug. 30.
Vanity case. C. N. Coryell. 1,860,079; May 24.
Vanity case. E. N. Cutler. 1,870,946; Aug. 9.
Vanity case. W. A. Dion. 1,850,223; Mar. 22.
Vanity case. F. R. Johnson. 1,883,793; Oct. 18.
Vanity case. J. L. McAtree. 1,850,352; Mar. 22.
Vanity case. A. Mitchell. 1,855,583; Apr. 26.
Vanity case. W. T. Parkin. 1,875,127; Aug. 30.
Vanity case. H. Pemberton and F. I. Doane. 1,875,650; Sept. 6.
Vanity case. W. Poranski. 1,847,194; Mar. 1.
Vanity case. W. Poranski. 1,882,889; Oct. 18.
Vanity case. A. E. Reilly. 1,869,983; Aug. 2.
Vanity case. W. B. Shelds. 1,846,933; Feb. 16.
Vanity case. R. Shields. 1,845,006; Feb. 16.
Vanity case. M. Sopsko. 1,879,570; Sept. 27.
Vanity case. F. Spitalny. Des. 87,039; May 24.
Vanity case. A. Steller. 1,851,462; Mar. 29.
Vanity case. D. H. Zell. 1,875,541; Sept. 6.
Vanity case, Combination. A. H. Heil. 1,866,162; July 5.
Vanity case designed for night use. G. C. Atwill and J. O. Browder. 1,844,878; Feb. 9.
Vanity case, Solderless. K. R. Larson and E. S. Irelan. 1,875,245; Aug. 30.

Vanity dressing table. M. M. Wheeler. Des. 87,821; Sept. 20.
Vapor arc apparatus. G. Sperti. 1,889,079; Nov. 29.
Vapor arc tube, Metallic. C. Laudenslo. 1,844,089; Feb. 9.
Vapor burner. R. M. Sherman. 1,839,444; Jan. 5.
Vapor condensation. N. S. Olsen. 1,857,394; May 10.
Vapor condensing apparatus. E. F. Ries. 1,859,602; May 24.
Vapor discharge device. J. C. Read. 1,842,947; Jan. 26.
Vapor electric device. M. Schenkel. 1,871,746; Aug. 16.
Vapor generator. W. Abendroth. 1,853,530; Apr. 12.
Vapor, Method of and apparatus for measuring. O. H. Blackwood and P. G. Erskine. 1,830,720; Oct. 4.
Vapor motor. L. M. Persons. 1,856,586; May 3.
Vapor motor. L. M. Persons. 1,881,964; Oct. 11.
Vapor of wood or like by products, Treating. E. L. Day. 1,878,678; Sept. 20.
Vapor pressure apparatus. W. G. Abbott, jr. 1,843,311; Feb. 2.
Vapor purification process. E. Trueg. 1,889,617; Nov. 29.
Vapor regulator. E. A. Russell. 1,846,440; Feb. 23.
Vapor regulator. E. A. Russell. 1,854,202; Oct. 25.
Vapor spray, Dry. E. and H. Cohn. 1,857,358; May 10.
Vapor supply device for engines. O. O. Skreen. 1,879,557; Sept. 27.
Vaporization in vapor phase catalyses. A. O. Jaeger and K. F. Pietzsch. 1,849,833; Mar. 15.
Vaporizer. P. F. Alexander. 1,855,898; Apr. 26.
Vaporizer. F. F. Chase. 1,859,431; May 24.
Vaporizer. F. J. Curran. 1,864,950; June 28.
Vaporizer. W. L. Hosmer. 1,859,770; May 24.
Vaporizer. E. R. Godward. 1,854,298; Apr. 19.
Vaporizer. E. R. Godward. 1,865,515; July 5.
Vaporizer. H. Hoffman. 1,850,070; Mar. 22.
Vaporizer. M. I. Mazarek. 1,888,682; Nov. 22.
Vaporizer. H. A. Odendahl. 1,891,171; Dec. 13.
Vaporizer and superchargor for internal combustion engines. L. M. Fabbro. 1,885,697–8; Nov. 1.
Vaporizer and supercharger for internal combustion engines. L. M. Fabbro. 1,889,647; Nov. 29.
Vaporizer and superheater. F. Beasley. 1,842,320; Jan. 19.
Vaporizer, Electric. L. A. Collins. 1,857,181; May 10.
Vaporizer, Electric. H. C. Glessner. 1,855,018; Apr. 19.
Vaporizer, Electric. M. Katzman. 1,879,297; Sept. 27.
Vaporizer, Electric. N. Lawner. 1,878,587; Sept. 20.
Vaporizer, Fuel. M. D. Cary. 1,866,473; July 5.
Vaporizer, Gasoline. O. F. Welling. 1,866,829; July 12.
Vaporizer, Liquid. H. G. Donald. 1,884,614; Oct. 25.
Vaporizer, Liquid fuel. E. Lonaberger and C. F. Sands. 1,882,388; Oct. 11.
Vaporizer, Refrigeration. W. O. Voss. 1,849,968; Mar. 15.
Vaporizing apparatus. A. Curioni. 1,882,318; Oct. 11.
Vaporizing device. A. J. Lichtig. 1,866,658; July 12.
Vapors, Process and apparatus for rectifying. P. Subkow. 1,854,002; Apr. 12.
Vapors under high vacuum, Pumping. W. K. Lewis. 1,877,915; Sept. 20.
Variable load brake. U. A. Whitaker. 1,842,497; Jan. 26.
Variable load brake. U. A. Whitaker. 1,865,068; June 28.
Variable resistance device. C. L. Weichelt. 1,841,864; Jan. 19.
Variable resistor. N. C. Schellenger. 1,851,933; Mar. 29.
Variable stroke feeder. W. H. King and R. Cottar. 1,859,370; May 24.
Variometer. W. Dubilier. 1,861,052; May 31.
Varnish and paint oil manufacture. M. B. Chittick. 1,891,079; Dec. 13.
Varnish, Flat. G. H. Burgman. 1,867,306; July 12.
Varnishes, Drying oil. L. R. U. Spence. 1,858,843; May 17.
Vase. H. L. Dugdale. Des. 85,918–19; Jan. 5.
Vase. J. Goldstein. 1,874,185; Aug. 30.
Vase. J. S. Hall. Des. 87,058; May 31.
Vase lamp and bundle tray, Combination. J. A. Crotty. 1,848,109; Mar. 8.
Vase, Metal. S. M. Main. 1,855,719; Apr. 26.
Vase, Sod. C. Christoferson. 1,848,047; Mar. 1.
Vat construction. C. Houghand. 1,879,256; Sept. 27.
Vat-dyestuff of the dibenzanthrone series and making same. B. Mayer, H. Siebenbürger, and K. Krauer. 1,859,212; May 17.
Vat for dyeing piece goods, Dye. H. O. Welse. 1,874,398; Aug. 30.
Vault, Automatic delivery storage. W. E. Allington. 1,890,925; Dec. 13.
Vault, Burial. R. D. Cogswell. 1,856,908; May 3.
Vault, Burial. J. Cohen. Des. 87,329; Sept. 12.
Vault, Burial. R. Cohen. Des. 87,562; Aug. 16.
Vault, Burial. A. Evard. 1,860,023; May 24.
Vault, Burial. C. Grisinger. Des. 87,341; July 12.
Vault, Burial. E. Hedeen. Des. 86,310; Feb. 23.
Vault, Burial. E. Hedeen. 1,874,991; Aug. 30.
Vault, Burial. A. N. Kettner. 1,878,781; Sept. 20.
Vault, Burial. W. J. Michael. Des. 87,588–9; Aug. 16.
Vault, Burial. J. G. Miller. 1,886,290; Nov. 1.
Vault, Burial. R. H. Morse. 1,845,845; Feb. 16.
Vault, Burial. W. L. and M. E. Potts. 1,860,266; May 24.
Vault, Burial. J. M. Seely. Des. 87,552; Aug. 9.
Vault, Burial. F. L. Temple. 1,863,887; June 21.
Vault, Burial. C. J. Wegner. Des. 87,609; Aug. 16.
Vault, Burial. J. J. Welch. 1,842,437; Jan. 26.
Vault, Concrete burial. R. C. Gehrig, jr. 1,892,461; Dec. 27.
Vault, Concrete burial. E. B. Spoonamore, sr. 1,844,447; Feb. 9.
Vault, Grave. F. Biszantz. 1,856,309; May 3.
Vault, Grave. J. A. Jensen. Des. 87,216; June 21.
Vault lock. C. J. Wegner. 1,891,296; Dec. 20.
Vault, Metal burial. J. N. Seely. Des. 86,935; Jan. 26.
Vault, Metal burial. J. M. Seely. Des. 86,750; Apr. 12.
Vault, Metal burial. J. M. Seely. Des. 87,087; May 31.
Vault, Night. C. L. Flagg. 1,890,941; Dec. 13.
Vegetable and fruit grading apparatus. F. A. Cutter. 1,872,903; Aug. 23.
Vegetable cleaner and separator. G. J. Olney. 1,879,439; Sept. 27.
Vegetable cutter. J. A. Bartkus. 1,851,887; Mar. 29.
Vegetable cutter. D. W. Rantine. 1,864,147; June 21.
Vegetable cutting device. M. White. 1,865,986; July 5.
Vegetable fiber products, Manufacture of. W. H. Mason. 1,844,861; Feb. 9.
Vegetable fibrous matter for the purpose of the simultaneous recovery both of the cellulose and of the incrusting ingredients, Decomposing. T. Kleinert and K. Tayenthal. 1,856,567; May 3.
Vegetable fibrous substances, Bleaching. E. Kayser. 1,887,412; Nov. 8.
Vegetable material containing pentosuns, Saccharification of. E. Färber. 1,851,822; Mar. 29.
Vegetable matter, Handling detached. G. Innes. 1,847,399; Mar. 1.
Vegetable matter to obtain cellulose therefrom by manipulation of the vomit pipes, Controlling the treatment of. E. Spencer. 1,889,158; Nov. 29.
Vegetable proteins and product obtained thereby, Extracting. R. Bronszajn. 1,866,698; July 12.
Vegetable refuse for obtaining useful products therefrom, Treating. J. J. Jackson. 1,870,121; Aug. 2.
Vegetable root washer. A. G. Suelflow and C. Wolford. 1,867,533; July 12.
Vegetable slicing machine. M. R. Anstice. 1,879,008; Sept. 27.
Vegetable slicing machine. G. A. Reisner. 1,866,947; July 12.
Vegetable washing machine. J. Schmidt. 1,847,309; Mar. 1.
Vegetables, Device for cutting off the end portions of J. F. Johnson. 1,860,779; May 31.
Vegetables, Method of and apparatus for scrubbing. H. Berstler. 1,889,189; Nov. 25.
Vegetables, Preventing discoloration of. B. R. Harris. 1,842,720; Jan. 26.
Vegetables, Shelling cotyledonous. M. Salinas. 1,866,949; July 12.
Vegetation, Apparatus for treating. R. H. Wright. 1,868,483; Oct. 25.
Vegetation dusting machine. A. R. and A. W. Benner. 1,840,805; Jan. 12.
Vegetation fresh, Device for displaying and keeping harvested. D. Handelan. 1,863,597; June 21.
Vehicle. M. J. Adams. 1,869,993; Aug. 2.
Vehicle. I. H. Athey. 1,844,938; Feb. 16.
Vehicle. G. M. Barnes. 1,888,420; Nov. 22.
Vehicle. E. M. Barrows. 1,885,795; Nov. 1.
Vehicle. V. Y. Brown. 1,844,661; Feb. 9.
Vehicle. C. Cohen-Venezian. 1,886,319; Nov. 1.
Vehicle. M. Curry. 1,845,044; Feb. 16.
Vehicle. J. A. Doody. 1,871,592; Aug. 16.
Vehicle. C. L. Falk. 1,881,070; Oct. 4.
Vehicle. D. W. Gill. Des. 87,054; May 31.
Vehicle. H. Godoy. 1,862,013; June 7.
Vehicle. J. H. Herfner. 1,878,139; Sept. 20.
Vehicle. E. R. M. Holmquist. 1,856,075; May 3
Vehicle. B. W. Nibbe. 1,840,599; Jan. 12.
Vehicle. W. T. Norton. 1,845,278; Feb. 16.
Vehicle. P. O'Dwyer. 1,875,647; Sept. 6.
Vehicle. J. E. Rightmire. 1,877,201; Sept. 13.
Vehicle. E. W. Schellentrager and B. E. Clarkson. 1,856,787; May 3.
Vehicle. E. W. Schellentrager and B. E. Clarkson. 1,860,396; May 31.
Vehicle. E. J. Stahl. 1,865,798; July 5.
Vehicle, Aerial. C. Cohen-Venezian. 1,847,173; Mar. 1.
Vehicle, Air. E. P. Mantell. 1,873,955; Sept. 20.
Vehicle, Air. E. E. Moe. 1,859,044; May 17.
Vehicle, Air. R. W. Sears 2d and J. F. Koca. 1,883,414; Oct. 18.
Vehicle, Amphibian air. D. W. Douglas. 1,890,902; Dec. 13.
Vehicle and automatically securing the same against movement, Wheeled. P. C. Miller. 1,847,053; Mar. 1.
Vehicle and constructing the same, Motor. W. B. Fageol. 1,877,653; Sept. 13.
Vehicle and mechanism for propelling the same. L. A. Colella. 1,876,859; Sept. 13.
Vehicle and method of mounting bodies on chassis. J. Morrison. 1,861,712; June 7.
Vehicle and removable body therefor. J. Kuchar. 1,870,573; Aug. 9.
Vehicle and sleeping berth construction. D. E. Austin. 1,864,710; June 28.
Vehicle and trailer, Refrigerator. W. Fourness and E. G. Burghard. 1,880,245; Oct. 4.

Vehicle antiskid device. M. Marthinsen. 1,845,924; Feb. 16.
Vehicle, Armored. B. Palmer. 1,865,882; July 5.
Vehicle attachment, Automotive. F. W. Ruggles. 1,850,563; Mar. 22.
Vehicle attachment, Motor. R. A. Navarro. 1,853,449; Apr. 12.
Vehicle automatic guide, Tractor or automotive. M. B. Williams. 1,888,021; Nov. 15.
Vehicle, Automotive. G. H. Curtiss. 1,880,842; Oct. 4.
Vehicle, Automotive. G. W. Gilmer. 1,845,371; Feb. 16.
Vehicle, Automotive. L. B. Lent. Des. 86,321; Feb. 23.
Vehicle, Automotive. R. S. Trott. 1,890,871; Dec. 13.
Vehicle, Automotive. F. Yurzicky. 1,888,644; Nov. 22.
Vehicle bodies. A. S. Thompson. 1,841,993; Jan. 19.
Vehicle bodies, Ventilating and/or cooling. W. Lintern. 1,862,058; June 7.
Vehicle body. R. L. Carr. 1,876,855; Sept. 13.
Vehicle body. F. Lillich. Des. 87,222; June 21.
Vehicle body. J. B. McMullen. 1,880,208; Oct. 4.
Vehicle body. W. W. Nickels. 1,849,732; Mar. 15.
Vehicle body. D. F. Oliver. 1,861,546; June 7.
Vehicle body. F. M. Small. 1,847,041; Feb. 23.
Vehicle body. T. W. Sullivan. 1,842,214; Jan. 19.
Vehicle body. J. P. Tarbox. 1,855,734; Apr. 26.
Vehicle body. G. Tasman. 1,890,704; Dec. 13.
Vehicle body. G. S. Tipton. 1,862,286; June 7.
Vehicle body. C. T. Weymann. 1,868,263; July 19.
Vehicle body. E. A. Wright. 1,861,828; June 7.
Vehicle body, Agitating and dumping. A. G. Kerr. 1,883,936; Oct. 25.
Vehicle body and bumper. W. G. Mayer. 1,854,710; Apr. 19.
Vehicle body, Apparatus for lifting a. B. F. Fitch. 1,870,991; Aug. 9.
Vehicle body construction. J. and M. Glitsch, H. Schorsch, and J. D. Glitsch. 1,876,660; Sept. 13.
Vehicle body construction. H. L. Kraeft. 1,844,401; Feb. 9.
Vehicle body construction. J. Ledwinka. 1,844,964; Feb. 16.
Vehicle body construction. J. Ledwinka. 1,883,992; Oct. 25.
Vehicle body construction. W. H. Lowe. 1,876,331; Sept. 6.
Vehicle body construction. J. Vehko. 1,856,006; Apr. 26.
Vehicle body construction, Pressed metal. G. Trautvetter. 1,880,591; Oct. 4.
Vehicle body, Convertible. C. C. F. di Bitetto. 1,890,501; Dec. 13.
Vehicle body front construction. J. Ledwinka. 1,862,022; June 7.
Vehicle body having a sliding top. H. Austin. 1,854,982; Apr. 19.
Vehicle body panel structure. F. L. Chadwick. 1,877,265; Sept. 13.
Vehicle body, Pressed metal. J. Ledwinka. 1,878,155; Sept. 20.
Vehicle body, Pressed metal. J. Ledwinka. 1,878,934; Sept. 20.
Vehicle body, Pressed metal. J. Ledwinka. 1,883,991; Oct. 25.
Vehicle body side construction. J. Ledwinka. 1,844,965; Feb. 16.
Vehicle body sill assembly. A. A. Cripps. 1,840,084; Jan. 5.
Vehicle body structure. J. P. Tarbox. 1,865,487; July 5.
Vehicle body structure, Road. G. H. Curtiss. 1,880,844; Oct. 4.
Vehicle body suspension. G. H. Taber. 1,869,285; July 26.
Vehicle body tonneau construction unit. J. Ledwinka. 1,867,851; July 19.
Vehicle body wall construction. J. P. Tarbox. 1,867,777; July 19.
Vehicle body wall construction. G. Trautvetter. 1,866,277; July 5.
Vehicle brake. V. G. Apple and F. W. Cotterman. 1,876,542; Sept. 13.
Vehicle brake. H. S. Barnes. 1,864,115; June 21.
Vehicle brake. G. Cushing. 1,861,788; June 7.
Vehicle brake. A. B. Deyss. 1,874,252; Aug. 30.
Vehicle brake. B. Dick. 1,853,963; Apr. 12.
Vehicle brake. C. N. Lieb. 1,868,836; July 26.
Vehicle brake. C. J. Lorgion. 1,839,487; Jan. 5.
Vehicle brake. M. Lotbrop. 1,850,405; Mar. 22.
Vehicle brake. E. J. W. Ragsdale. 1,880,477; Oct. 4.
Vehicle brake. F. M. Reid. 1,842,050; Jan. 19.
Vehicle brake. E. A. Rockwell. 1,859,530; May 24.
Vehicle brake. F. W. Steele. 1,858,973; May 17.
Vehicle brake. C. H. Taylor. 1,873,069; Aug. 23.
Vehicle brake. J. D. Tucker and O. A. Tucker. 1,876,265; Sept. 6.
Vehicle brake. F. E. Winchester and E. B. Thomas. 1,881,009; Oct. 4.
Vehicle brake, Compensating. O. W. Hahn. 1,883,732; Oct. 18.
Vehicle brake, Electro magnetic automotive. V. J. Apple. 1,869,876; Aug. 2.
Vehicle brake, Motor. E. R. Evans. 1,860,666; May 31.
Vehicle braking system. J. Whyte. 1,887,532; Nov. 15.
Vehicle breather pipe attachment, Motor. W. Dunn. 1,864,477; June 21.
Vehicle chassis frame. F. L. Sage. 1,872,506; Aug. 16.
Vehicle, Child's. W. H. Appleby. 1,872,216; Aug. 16.
Vehicle, Child's. E. M. Mayer. 1,850,406; Mar. 22.
Vehicle, Child's. A. N. and E. C. Tebieff. 1,843,848; Feb. 2.
Vehicle chock. J. A. Ratta. 1,861,549; June 7.
Vehicle closed body. G. J. Mercer. 1,854,210; Apr. 19.
Vehicle, Compartment. E. Flagg. 1,850,747; Mar. 22.
Vehicle connection. E. C. Jackson. 1,855,188; Apr. 26.
Vehicle construction. J. F. Duby. 1,889,596; Nov. 29.
Vehicle construction. L. C. Freeman and A. P. Buesch. 1,876,905; Sept. 13.
Vehicle construction. A. F. Masury. 1,856,773; May 3.
Vehicle construction. R. E. Wells. 1,864,625; June 28.
Vehicle construction, Motor. E. G. Purdy. 1,886,221; Nov. 1.
Vehicle control device, Motor. A. L. Halliday. 1,887,839; Nov. 15.
Vehicle control mechanism. V. G. Apple. 1,888,063; Nov. 15.
Vehicle control, Motor. H. E. Hull. 1,890,544; Dec. 13.
Vehicle coupling. O. W. Cowles. 1,851,349; Mar. 29.
Vehicle coupling. W. C. Nabors. 1,892,072; Dec. 27.
Vehicle device, Motor. C. D. Stewart. 1,879,719; Sept. 27.
Vehicle direction indicator signal, Motor. A. E. Hall. Des. 87,370; Aug. 16.
Vehicle drawbar. L. E. Williams. 1,849,260; Mar. 15.
Vehicle driving device, Motor. H. Ledwinka. 1,866,656; July 12.
Vehicle, Dumping. A. P. Armington. 1,891,019; Dec. 13.
Vehicle, Dumping land. C. F. Higgins. 1,881,022; Oct. 4.
Vehicle, Electric street. L. E. W. Montrose-Oster. 1,871,074; Aug. 9.
Vehicle, Endless track. J. V. Carden. 1,852,768; Apr 5.
Vehicle, Endless track. J. V. Carden. 1,862,329; June 7.
Vehicle equalizing and suspension system, Motor. A. P. Buquor. 1,840,155; Jan. 5.
Vehicle for collecting refuse, Closed. A. F. Masury. 1,859,559; Nov. 29.
Vehicle for undulating ground. L. Gussalli. 1,849,325; Mar. 15.
Vehicle fore-carriage. J. R. Orelind. 1,846,651; Feb. 23.
Vehicle frame, Automotive. A. W. Henry. 1,843,422; Feb. 2.
Vehicle frames, Manufacture of. T. E. Murray, jr. 1,846,567; Feb. 23.
Vehicle frames, Resistance welding automotive. W. E. Ritter. 1,857,577; May 10.
Vehicle having brakes. E. W. Seaholm. 1,863,885; June 21.
Vehicle heater. W. F. and J. F. Goetz. 1,881,492; Oct. 11.
Vehicle holddown. W. W. Blakely. 1,848,930; Mar. 8.
Vehicle holddown. W. W. Blakely. 1,848,989; Mar. 8.
Vehicle hood. J. R. Hughes. 1,875,925; Sept. 6.
Vehicle hood lock, Automotive. J. W. Fitz Gerald. 1,870,894; Sept. 13.
Vehicle jack. W. L. Barrowman and G. L. Hull. 1,874,420; Aug. 30.
Vehicle jack. J. H. Burkholder. 1,885,074; Oct. 25.
Vehicle jack. F. G. Forest. 1,842,604; Jan. 26.
Vehicle jack. S. R. Zimmerman. 1,878,059; Sept. 20.
Vehicle, Land. A. P. Armington and F. R. Higley. 1,857,343; May 10.
Vehicle leaf springs and shock absorber therefor, Device for lubricating. F. E. Badger. 1,868,789; July 26.
Vehicle lift. P. J. Bunnell. 1,894,022; Oct. 25.
Vehicle lift. P. I. Schultz. 1,856,660; May 3.
Vehicle lift. I. A. Weaver. 1,849,777; Mar. 15.
Vehicle lift. S. E. Zimmerman. 1,850,905; Mar. 22.
Vehicle lift. S. R. Zimmerman. 1,850,950; Mar. 22.
Vehicle lifting and traversing device. B. Walker. 1,894,982-3; Oct. 25.
Vehicle light. C. W. Wright. Des. 87,822; Sept. 20.
Vehicle, Load carrying. W. C. Nabors. 1,868,020; July 19.
Vehicle lubrication, Automotive. C. F. Chisholm. 1,874,900; Aug. 30.
Vehicle mechanism, Motor. C. E. F. Ahlm and G. L. Elliott. 1,891,391; Dec. 20.
Vehicle mechanism, Motor. J. M. Sparks. 1,842,633; Jan. 26.
Vehicle, Motor. R. Bussien. 1,847,749; Mar. 1.
Vehicle, Motor. H. D. Church. 1,839,785; Jan. 5.
Vehicle, Motor. R. H. Dietrich. Des. 86,442; Mar. 8.
Vehicle, Motor. A. Y. Dodge. 1,848,464; Mar. 8.
Vehicle, Motor. W. B. Fageol. Des. 87,875; Oct. 4.
Vehicle, Motor. A. M. Graffis. Des. 86,670; Apr. 5.
Vehicle, Motor. S. Guy. 1,888,827; July 26.
Vehicle, Motor. J. Hammerl. 1,844,548; Feb. 9.
Vehicle, Motor. J. Hammerl. 1,870,250; Aug. 9.
Vehicle, Motor. J. Hammerl. 1,879,215; Sept. 27.
Vehicle, Motor. H. Ivey. 1,879,271; Sept. 27.
Vehicle, Motor. W. P. Kennedy. 1,844,510; Feb. 9.
Vehicle, Motor. A. L. Knapp. 1,844,168; Feb. 9.
Vehicle, Motor. A. L. Knapp. 1,877,799; Sept. 20.
Vehicle, Motor. L. Laisne. 1,877,332; Sept. 13.
Vehicle, Motor. A. Mittelstaedt. Des. 86,042; Jan. 19.
Vehicle, Motor. A. Moorhouse. 1,845,923; Feb. 16.
Vehicle, Motor. A. Moorhouse. 1,856,964; May 3.
Vehicle, Motor. A. Moorhouse. 1,878,166; Sept. 20.
Vehicle, Motor. W. L. Moreland. 1,839,577; Jan. 5.
Vehicle, Motor. W. L. Moreland. 1,886,349; Nov. 1.

Vehicle, Motor. J. R. Oishei. Re18,594; Sept. 13.
Vehicle, Motor. C. R. Paton. 1,867,709; July 19.
Vehicle, Motor. C. R. Paton. 1,874,609; Aug. 30.
Vehicle, Motor. H. H. Robinson. Des. 87,241; June 21.
Vehicle, Motor. A., J., and E. Stern. 1,877,609; Sept. 13.
Vehicle, Motor. M. Tibbetts. 1,843,253; Feb. 2.
Vehicle, Motor. M. Tibbetts. 1,859,182; May 17.
Vehicle, Motor. M. Tibbetts. 1,867,686; July 19.
Vehicle, Motor. M. Tibbetts. 1,889,577; Nov. 29.
Vehicle, Motor. M. H. Toucray. 1,855,429; Apr. 26.
Vehicle, Motor. H. Tyler. Des. 86,871; Apr. 26.
Vehicle, Motor. C. Velcoy. 1,858,721; May 17.
Vehicle, Motor. J. G. Vincent. 1,851,655; Mar. 29.
Vehicle, Motor. L. M. Woolson. 1,850,945; Oct. 4.
Vehicle, Multiple wheel road. R. B. Fageol. 1,871,432; Aug. 9.
Vehicle, Multiwheel road. A. I. Marcum. 1,845,674; Feb. 16.
Vehicle, Multiwheel road. A. I. Marcum. 1,857,249; May 10.
Vehicle operated gate. J. P. Classen. 1,851,968; Apr. 5.
Vehicle or similar article, Child's. J. A. Anderson. Des. 87,560; Aug. 16.
Vehicle parking indicator. T. H. Sandow. 1,853,580; Apr. 12.
Vehicle Passenger carrying motor. W. B. Fageol. 1,861,002; May 31.
Vehicle, Play. C. W. Wass. 1,849,341; Mar. 15.
Vehicle propelled by muscle power. W. H. Wishart. 1,848,451; Mar. 8.
Vehicle, Railway. A. J. Michelin. 1,867,424; July 19.
Vehicle, Refrigerator. J. Galamb. 1,873,572; Aug. 23.
Vehicle, Refuse. E. T. J. Tapp and H. Craske. 1,891,885; Dec. 20.
Vehicle, Road. R. B. Fageol. 1,863,974; June 21.
Vehicle, Road. R. B. Fageol. 1,866,837; July 12.
Vehicle, Road. A. I. Marcum. 1,860,471; May 31.
Vehicle, Road. W. F. Rockwell. 1,850,942; Mar. 22.
Vehicle seat. L. S. Davale. 1,837,947; Nov. 24.
Vehicle seat, Adjustable. W. K. Bishop. 1,857,106; May 3.
Vehicle seat, Adjustable. J. L. Brownell. 1,855,179; Apr. 26.
Vehicle seat. C. A. Roeder. 1,875,500; Sept. 6.
Vehicle, Self loading. W. S. Howard. 1,865,318; June 28.
Vehicle, Self propelled road. E. T. J. Tapp. 1,845,854; Feb. 16.
Vehicle, Self propelled road. E. T. J. Tapp. 1,874,384; Aug. 30.
Vehicle, Self-propelling. R. Fornaire. 1,880,127; Sept. 27.
Vehicle, Semitrailer tank. A. A. Kramer. 1,886,197; Nov. 1.
Vehicle shipping device. M. E. Stallsmith. 1,871,808; Aug. 16.
Vehicle signal. A. L. Hodgson. 1,882,322; Oct. 11.
Vehicle signal. F. N. Lease. 1,855,298; Apr. 26.
Vehicle signal. C. Nelson. Des. 86,965; May 17.
Vehicle signal. C. E. Stow. Des. 88,267; Nov. 8.
Vehicle, Six wheel. E. O. Schjolin. 1,872,013; Aug. 16.
Vehicle spring. G. W. Crabtree. 1,860,658; May 31.
Vehicle spring. A. Roulesu and P. Nadeo. 1,872,822; Aug. 23.
Vehicle spring. H. G. Smith. 1,874,647; Aug. 30.
Vehicle spring. J. Tatum. 1,859,808; May 24.
Vehicle spring. J. J. Tatum. 1,890,958; Dec. 13.
Vehicle spring, Laminated. G. W. Crabtree. 1,860,656; May 31.
Vehicle step. C. H. Vogel. 1,877,152; Sept. 13.
Vehicle storage system. S. E. Buettell. 1,891,795; Dec. 20.
Vehicle structure, Railway. J. J. Harley and E. S. Beckette. 1,868,530; July 26.
Vehicle structure, Railway. K. S. Howard and E. G. Hallquist. 1,865,520; July 5.
Vehicle suspension. T. A. Hoover. 1,858,930; May 17.
Vehicle suspension. C. Ernest. 1,887,715; Nov. 15.
Vehicle suspension means. H. W. Bell. 1,871,025; Aug. 9.
Vehicle suspension spring. A. Beurdeley. 1,879,048; Sept. 27.
Vehicle suspension spring. W. Howard. 1,890,853; Dec. 13.
Vehicle suspension with shock compensation, Elastic. A. Carozzi. 1,887,579; Nov. 15.
Vehicle switching mechanism, Automotive. H. A. Douglas. 1,876,875; Sept. 13.
Vehicle, Tank. A. A. Kramer. 1,886,196; Nov. 1.
Vehicle tank. P. S. Shield. 1,846,618; Feb. 23.
Vehicle tank. Complete discharge. A. A. Kramer. 1,865,519; July 26.
Vehicle testing apparatus, Motor. C. A. Domzalski. 1,870,716; Aug. 9.
Vehicle top. P. Carlson. 1,850,705; Mar. 22.
Vehicle top enclosure means. D. E. Austin. 1,839,727; Jan. 5.
Vehicle, Traction. R. T. Osman. 1,865,133; June 28.
Vehicle, Trailer. A. B. Cadman. 1,850,531; Mar. 22.
Vehicle trailer. W. C. Nabors. 1,868,021; July 19.
Vehicle turntable. G. A. Smith. 1,881,033; Oct. 4.
Vehicle underframe, Railway. E. C. Jackson. 1,856,338; May 3.
Vehicle underframe, Railway. W. M. Sheehan. 1,859,895; May 24.
Vehicle underframe, Railway. A. C. Wintemberg. 1,865,448; July 5.
Vehicle washing apparatus. J. A. Coleman. 1,879,101; Sept. 27.
Vehicle washing apparatus. W. G. Cunningham. 1,866,197; July 5.
Vehicle wheel. M. J. Adams. 1,882,685; Oct. 18.
Vehicle wheel. C. S. Ash. 1,877,379; Sept. 13.
Vehicle wheel. W. N. Booth. 1,860,226; May 24.
Vehicle wheel. W. N. Booth. 1,871,144–5; Aug. 9.
Vehicle wheel. W. N. Booth. 1,876,394; Sept. 6.
Vehicle wheel. E. Bossert. 1,865,432; July 5.
Vehicle wheel. P. M. Bourdon. 1,892,606; Dec. 27.
Vehicle wheel. J. L. Brownell. Des. 87,710; Sept. 6.
Vehicle wheel. G. Christia. 1,860,015; May 24.
Vehicle wheel. C. L. Ekserdjian. 1,860,665; May 31.
Vehicle wheel. D. F. Ertelt. 1,889,723; Nov. 29.
Vehicle wheel. R. D. Evans. 1,875,331; Sept. 6.
Vehicle wheel. C. G. Keller. 1,851,187; Mar. 29.
Vehicle wheel. L. B. La Brie. 1,862,313; June 7.
Vehicle wheel. L. E. LaBrie. 1,872,983; Aug. 23.
Vehicle wheel. S. S. McDonald. 1,861,310; June 7.
Vehicle wheel. A. J. Michelin. 1,890,546; Dec. 13.
Vehicle wheel. T. C. Mussen. Des. 86,327; Feb. 23.
Vehicle wheel. T. C. Mussen. 1,841,047; Jan. 12.
Vehicle wheel. A. G. B. Owen and R. W. Downs. 1,860,284; May 24.
Vehicle wheel. J. V. Puch. 1,845,185; Feb. 16.
Vehicle wheel. J. V. Puch. 1,867,804–5; June 14.
Vehicle wheel. F. R. Rangel. 1,885,545; Nov. 1.
Vehicle wheel. C. L. Romero. 1,842,918; Jan. 26.
Vehicle wheel. W. D. Sargent. 1,861,007; Oct. 4.
Vehicle wheel. H. Sauer. 1,878,330; Sept. 20.
Vehicle wheel. C. W. Sinclair. 1,840,824; Jan. 12.
Vehicle wheel. J. H. Wagenhorst. 1,874,394; Aug. 30.
Vehicle wheel. J. H. Wagenhorst. 1,886,610; Nov. 8.
Vehicle wheel. D. E. Willard. Des. 87,990; Oct. 18.
Vehicle wheel. A. W. Woodward. 1,880,641; Oct. 4.
Vehicle wheel, Auxiliary. J. Crisanti. 1,863,473; June 14.
Vehicle wheel, Balanced. J. E. Batie. 1,842,141; Jan. 19.
Vehicle wheel, Balanced motor. C. S. Ash. 1,860,216; May 24.
Vehicle wheel, Demountable W. A. Clench. 1,846,543; Feb. 23.
Vehicle with electric transmission, Internal combustion engine driven. O. Simmen. 1,852,437; Apr. 5.
Vehicle with reclining back, Child's. L. J. Van Guelpen. 1,876,111; Sept. 6.
Vehicle, Accessory for wheeled. J. W. Schafer. 1,840,258; Jan. 5.
Vehicles and method therefor, Front fork assembly for juvenile. S. A. Snell. 1,883,033; Oct. 18.
Vehicles and the like, Attachment for. L. C. Smith. 1,881,143; Oct. 4.
Vehicles, and the like, Non-warping chassis for automobile. N. L. Causan. 1,886,940; Nov. 8.
Vehicles and the like, Transporting. I. H. Judd. 1,865,682; June 14.
Vehicles and the like, Transporting. I. H. Judd. 1,865,569; July 5.
Vehicles, Apparatus for and method of lighting automotive. K. D. Chambers. 1,858,702; May 17.
Vehicles, Apparatus for lifting and turning. O. Umberto. 1,865,805; July 5.
Vehicles, Auxiliary axle attachment for motor. P. B. Cason. 1,861,111; May 31.
Vehicles, Backstop for automotive. L. C. Willey. 1,885,498; Nov. 1.
Vehicles, Construction of closed. M. Zirmer. 1,840,761; Jan. 12.
Vehicles, Equalizing and suspension system for motor. A. P. Bupuz. 1,840,154; Jan. 5.
Vehicles, Equalizing mechanism for. W. E. N. Gorrie. 1,862,262; June 7.
Vehicles, Extricating device for. F. A. Glapion. 1,869,004; Mar. 8.
Vehicles for the protection of pedestrians and the vehicle itself, Automatic device for horseless. H. Karl. 1,865,014; June 28.
Vehicles, Hydropneumatic suspension and shock-absorbing device for. B. LaCroix. 1,887,060; Nov. 8.
Vehicles, Independently sprung wheel construction for the front end of motor. M. B. Carpenter and C. B. Kirkham. 1,882,484; Oct. 11.
Vehicles, Indicating device for. J. McCreath. 1,845,925; Feb. 16.
Vehicles, Lateral transfer of automotive. C. G. and R. N. Andreasen. 1,890,716; Dec. 13.
Vehicles, Means for operation of motor. M. Berliet. 1,879,044; Sept. 27.
Vehicles, Method and apparatus for handling motor. H. W. Laughein. 1,876,307; Sept. 6.
Vehicles, Method and apparatus for washing and lubricating. I. L. Pulliam. 1,877,584; Sept. 13.
Vehicles, Method of and apparatus for testing the riding qualities of. S. W. Widney. 1,891,613; Dec. 20.
Vehicles, Method of and building for garaging motor. M. Silberman. 1,843,843; Feb. 2.
Vehicles, Power plant for transport. W. P. Kellett 1,882,501; Oct. 11.

Vehicles, Preventing back movement in motor. F. J. Straub and J. T. Weinzierl, 1,849,890; Mar. 15.
Vehicles, Suspension of. G. H. Schieferstein. 1,868,258; July 19.
Vehicles, System of storing motor road. W. I. Bell. 1,860,008; May 24.
Vehicles, Top for. L. R. Hilgenberg. 1,882,360; Oct. 11.
Vehicle, Torquing and drive arrangement for multiple wheel road. A. I. Marcum. 1,847,348; Mar. 1.
Velocipede. R. C. Ashby. 1,847,744; Mar. 1.
Velocipede. W. G. Johnson. 1,850,255; May 3.
Velocipede. P. Schimmel and C. R. Gedat. 1,873,047; Aug. 23.
Velocipede construction. H. L. Kraeft. 1,854,337; Apr. 19.
Velocity, Regulating circumferential. H. Grob. 1,861,180; May 31.
Velocity retarding device for fluid conveying pipe lines. D. R. Giles. 1,858,241; May 17.
Vending and amusement device, Combined. H. E. Warmoth. 1,880,553; Oct. 4.
Vending apparatus, Coin controlled. F. Branica. 1,869,797; Nov. 1.
Vending apparatus. Coin controlled. R. W. Cable. 1,867,496; July 12.
Vending apparatus, Coin-operated. L. Rawitzki. 1,886,425; Nov. 8.
Vending, change making and coin distributing machine, Combination. H. Hofmann. 1,855,899; Apr. 26.
Vending machine. S. M. Abbott. 1,883,440; Oct. 18.
Vending machine. A. E. Axelson and H. B Schwartz. 1,852,392; Apr. 5.
Vending machine. H. S. Benjamin. 1,851,081; Mar. 29.
Vending machine. W. B. Betts. 1,879,047; Sept. 27.
Vending machine. B. T. Bjornson. 1,855,524; Nov. 1.
Vending machine. F. G. L. Boyer. 1,842,243; Jan. 19.
Vending machine. S. B. Burne. 1,867,495; July 12.
Vending machine. S. M. Coffman. 1,885,898; Nov. 1.
Vending machine. J. S. Conway. 1,870,100; Aug. 2.
Vending machine. P. W. H. Dewitz. 1,841,365; Jan. 19.
Vending machine. B. L. Fry. 1,839,840; Jan. 5.
Vending machine. B. L. Fry. 1,839,842; Jan. 5.
Vending machine. B. L. Fry. 1,865,895; July 5.
Vending machine. H. Giles. 1,847,940; Mar. 1.
Vending machine. H. Giles. 1,861,212; May 31.
Vending machine. H. Giles. 1,887,197-8; Nov. 8.
Vending machine. J. Gottfried. 1,891,640; Dec. 20.
Vending machine. C. Hathaway. 1,853,841; Apr. 12.
Vending machine. G. F. Hockriem. 1,839,480; Jan. 5.
Vending machine. C. M. Holley. 1,885,201; Nov. 1.
Vending machine. S. Kaufer. Des. 66,238; Nov. 8.
Vending machine. C. W. Klostermann. 1,848,728; Mar. 8.
Vending machine. C. W. Klostermann. 1,871,000; Aug. 9.
Vending machine. E. R. Knott. 1,873,649; Aug. 23.
Vending machine. J. Kuhn. 1,849,309; Mar. 15.
Vending machine. F. A. Madden. 1,890,062; Dec. 6.
Vending machine. J. H. McCormick, C. G. Allen, and F. M. Bender. 1,843,139; Feb. 2.
Vending machine. J. H. McCormick, C. G. Allen and F. M. Bender. 1,866,716; July 12.
Vending machine. G. J. McLaren. 1,869,070; July 26.
Vending machine. A. Morrison. 1,876,510; Sept. 6.
Vending machine. G. E. Norris. 1,839,697; Jan. 5.
Vending machine. W. G. Parrish. 1,841,378; Jan. 19.
Vending machine. S. D. Polgen. 1,848,336; Mar. 8.
Vending machine. M. H. Richardson. 1,889,109; Nov. 29.
Vending machine. J. Rose. 1,859,635; May 24.
Vending machine. L. H. Sallee. 1,878,894; Sept. 20.
Vending machine. E. Sandberg. 1,868,222; July 19.
Vending machine. J. J. Schmelz. 1,840,851; Jan. 12.
Vending machine. J. G. Schofield. 1,882,261; Oct. 11.
Vending machine. S. Steiner. 1,848,735; Mar. 8.
Vending machine. H. Swan. 1,849,509; Mar. 15.
Vending machine. C. Walker. 1,867,429; July 12.
Vending machine. H. B. Wood. 1,849,860; Mar. 15.
Vending machine. H. B. Woods. 1,884,478; Oct. 25.
Vending machine and money changer. J. E. Walker. 1,890,761; Dec. 13.
Vending machine, Automatic. S. H. Goldschmidt. 1,889,406; Nov. 29.
Vending machine, automatic. L. E. Scott and E. A. Smith. 1,857,881; May 10.
Vending machine, Coin controlled. W. D. Bartlett. 1,886,563; Oct. 11.
Vending machine, Coin controlled. W. F. Hall. 1,848,626; Mar. 8.
Vending machine, Coin controlled. R. A. and F. H. Vogel. 1,883,170; Oct. 18.
Vending machine, Cup. L. H. Morin. 1,845,094; Feb. 16.
Vending machine for bottle pop, beer, and the like. H. P. Tarwater and Howell. 1,879,590; Sept. 27.
Vending machine, Gasoline. M. W. Farnham. 1,885,091; Oct. 25.
Vending machine, Milk bottle. R. L. Vorhies. 1,861,071; May 31.
Vending machine, Newspaper. J. A. Hebb and O. H. Morris. 1,848,628; Mar. 8.
Vending machine, Newspaper or like. J. A. Kelly. 1,886,694; Nov. 8.
Vending machine, Selective. F. L. Mills. 1,870,637; Aug. 9.
Vending machine structure. F. H. Vogel. 1,883,169; Oct. 18.
Vending machine, Talking. H. C. Kenyon. 1,876,424; Sept. 6.
Vending machine, Token. D. H. Ruff. 1,847,984; Mar. 1.
Vending machines, Coin display means for. B. L. Fry. 1,839,841; Jan. 5.
Vending or serving machine. G. D. Illig, F. W. Roberts, and K. E. Berray. 1,849,145; Mar. 15.
Vending stand. G. Kerckel. Des. 86,238; Feb. 16.
Vencer clipping machine. R. W. Stanley. 1,841,853; Jan. 19.
Veneer clipping machine. R. W. Stanley. 1,884,336; Oct. 25.
Veneer joint gluer. A. A. Dennis. 1,874,251; Aug. 30.
Veneer jointer. A. A. Dennis. 1,853,554; Apr. 12.
Veneer machine. R. N. Hartzell. 1,887,682; Nov. 15.
Veneer panel and method of forming. F. W. Humphner. 1,858,957; May 17.
Veneer press. E. G. Lacey. 1,870,517; Aug. 9.
Veneer stripping and clipping machine. E. H. Merritt. 1,858,544; Jan. 19.
Veneer stripping and clipping machine. R. W. Stanley. 1,841,854; Jan. 19.
Veneer, Treating. E. C. Loetscher. 1,876,329; Sept. 6.
Veneer, Wall. F. G. Aufderheide. 1,886,363; Nov. 8.
Veneer winding machine. V. E. Anderson, W. Kilde, and H. A. Gaines. 1,848,209; Mar. 8.
Veneering. E. C. Loetscher. 1,887,691; Nov. 15.
Veneering construction. E. J. and H. W. Mason. 1,857,926; May 10.
Veneers, Patching. R. R. Welch. 1,878,081; Sept. 20.
Veneers to backings and drying them, Gluing wet. A. Elmendorf. 1,864,812; June 28.
Venetian blind bracket. E. Anderson. 1,863,093; June 14.
Vent-caps for vent-pipes, etc. E. S. Cornell. 1,887,119; Nov. 8.
Vent for core barrels. F. L. Scott. 1,844,076; Feb. 9.
Vent for core barrels. L. H. Wellensiek. 1,874,072; Aug. 30.
Vent for core drills. L. H. Wellensiek. 1,867,720; July 19.
Vent for dispensing containers, Air. O. Willumsen. 1,855,373; Apr. 26.
Vent for gravity milk tanks, Sanitary. F. G. Thwaits. 1,859,479; May 24.
Vent for steam heating systems, Air. E. L. Watson. 1,844,451; Feb. 9.
Vent, Gas. I. K. Peck. 1,844,523; Feb. 9.
Vent pipe. J. S. Blackmore. 1,890,930; Dec. 13.
Vent plug wrench. H. W. Lormor. 1,876,990; Sept. 13.
Vent, Rotor. E. H. Horstman. 1,844,659; Feb. 9.
Vent structure for storage batteries, Filling. B. Ford. 1,867,564; July 19.
Ventilating and air circulating device. C. A. Moore. 1,858,024; May 10.
Ventilating and heating system. E. P. Kelly. 1,841,057; Jan. 19.
Ventilating and muffling apparatus for engine rooms. F. K. Hildes. 1,843,548; Feb. 2.
Ventilating apparatus. E. M. Bassler. 1,860,068; May 24.
Ventilating apparatus. F. G. Ryan. 1,885,016; Oct. 25.
Ventilating apparatus. A. W. Stewart. 1,863,949; June 21.
Ventilating apparatus. A. W. Stewart. 1,886,313; Nov. 1.
Ventilating apparatus for dynamo-electric machines. J. Zubaty. 1,883,288; Oct. 18.
Ventilating arrangement for automobile hoods. B. G. W. and W. C. F. Wulff. 1,857,705; May 10.
Ventilating device. M. Adamcikas and G. Massera. 1,889,117; Nov. 29.
Ventilating device. A. B. Clay. 1,874,083; Aug. 30.
Ventilating device. P. S. Martin. 1,888,428; Nov. 22.
Ventilating device for the stators of electric machines, Axial. J. Dupont. 1,882,487; Oct. 11.
Ventilating device for vehicles. J. A. Yaniz y Diaz. 1,885,668; Nov. 1.
Ventilating device for vehicles. J. A. Yaniz y Diaz. 1,887,612; Nov. 15.
Ventilating hood for show case lights. R. E. Ottenheimer. 1,849,634; Mar. 15.
Ventilating-louver for windows. A. Watkinson. 1,850,737; Mar. 22.
Ventilating means. H. C. Hueglin. 1,870,570; Aug. 9.
Ventilating means. H. C. Hueglin. 1,886,883; Nov. 8.
Ventilating, refrigerating and dehumidifying appliance. C. A. Moore. 1,861,709; June 7.
Ventilating system. J. Flaherty. 1,863,198; June 14.
Ventilating system for dynamo-electric machines, Closed. E. G. Sohlberg. 1,854,891; Apr. 19.
Ventilating system for motor vehicles, Mechanical. G. F. Berry. 1,842,171; Jan 19.
Ventilation and construction of dye works. B. Bauer. 1,866,875; July 12.
Ventilation, Cabin airplane. C. F. Jenkins. 1,840,393; Jan. 12.
Ventilation, Dynamo-electric machine. R. B. Williamson. 1,873,989; Aug. 30.
Ventilation, Elevator. F. C. Reilly. 1,872,007; Aug. 16.
Ventilation for turbo generators, Rotor. C. M. Lafoon. 1,877,904; Sept. 20.
Ventilation of dynamo electric machines. M. Adamcikas and G. Massera. 1,848,511; Mar. 8.

Ventilation regulating apparatus. A. L. Freuler, 1,870,992; Aug. 9.
Ventilation system for a closed vehicle body. H. B. Hawkins, 1,846,552; Feb. 23.
Ventilator; &c.—
Automobile ventilator.
Building ventilator.
Combination ventilator.
Cowl ventilator.
Door and window ventilator.
Engine hood ventilator.
Kitchen ventilator.
Rotary ventilator.
Toilet bowl ventilator.
Toilet ventilator.
Windshield ventilator.
Window ventilator.
Ventilator. D. B. Bird. 1,845,954; Feb. 16.
Ventilator. R. C. Borden. 1,871,298; Aug. 9.
Ventilator. F. W. Butt and A. McGary. 1,860,135; May 24.
Ventilator. L. Cochard. 1,880,812; Oct. 4.
Ventilator. S. M. Dickson. 1,871,161; Aug. 9.
Ventilator. C. H. Farley. 1,870,720; Aug. 9.
Ventilator. A. J. Filkins. 1,873,868; Aug. 23.
Ventilator. G. H. Gustafson. 1,840,667; Jan. 12.
Ventilator. H. B. Hawes. 1,850,793; Mar. 22.
Ventilator. E. P. Haywood. 1,876,843; May 3.
Ventilator. R. Hottel. 1,862,147; June 7.
Ventilator. B. C. Hueglin. 1,868,980; July 26.
Ventilator. G. H. Koons. 1,881,363; Oct. 4.
Ventilator. H. Kuckuck. 1,864,743; June 28.
Ventilator. J. K. Mohr. 1,851,286; Mar. 29.
Ventilator. C. A. Palmer. 1,879,450; Sept. 27.
Ventilator. S. S. Piercy. 1,860,367; May 31.
Ventilator. E. T. Remy. 1,865,961; July 5.
Ventilator. A. Ronning. 1,883,406; Oct. 18.
Ventilator. W. R. Spock. 1,864,555; June 28.
Ventilator. J. A. H. Siers. 1,849,115; Mar. 15.
Ventilator. S. A. Spencer. 1,849,812; Mar. 15.
Ventilator. C. Tuppert. 1,860,061; May 24.
Ventilator. H. A. Thomas. 1,886,605; Nov. 8.
Ventilator. J. R. Townsend. 1,890,758; Dec. 13.
Ventilator and silencer. Window. R. B. Bourne. 1,888,711; Nov. 22.
Ventilator and sun shade, Combined. W. H. Irving. 1,852,360; Apr. 5.
Ventilator construction. A. P. Ball. 1,883,464; Oct. 18.
Ventilator construction. F. A. Mesker. 1,882,249; Oct. 11.
Ventilator fitting for windows, Sound suppressing. E. T. Fisk. 1,866,201; July 5.
Ventilator for cars. E. Wine. 1,857,681; May 10.
Ventilator for corrugated glass structures, Van. A. Shuman. 1,844,911; Feb. 9.
Ventilator for motor-cars. H. Liebig. 1,891,390; Dec. 20.
Ventilator for vehicles. C. S. Warnock. Des. 87,451; July 12.
Ventilator fume, Apparatus for recovering furnace. B. W. Gonser. 1,860,091; May 24.
Ventilator mechanism, Vault. C. D. Ellithorpe. 1,861,000; May 31.
Ventilator operating mechanism for greenhouses. P. L. McKee. 1,842,041; Jan. 19.
Ventilator, windshield and hundwheel heater, Automobile. F. A. Boyle. 1,842,244; Jan. 19.
Ventilators, Thermostatic releasing means for self-closing. C. W. Kelly. 1,864,357; June 21.
Venting machine, Automatic. R. W. Sethman. 1,879,548; Sept. 27.
Venturi meter. W. S. Pardoe. 1,850,030; Mar. 15.
Venturi steam fitting. J. O. Woodsome. 1,862,130; June 7.
Vermifuge and insecticide. W. J. Dennis. Re18,667; Nov. 22.
Vernier. W. L. Egy. 1,864,895; June 28.
Vernier feed setting mechanism. A. A. Richardson. 1,889,453; Nov. 29.
Vernier for reading graduated circles. W. L. Egy. 1,864,896; June 28.
Vertical tube boiler. E. Völcker. 1,851,786; Mar. 29.
Vertical tube furnace. A. T. Childs and J. J. Weldon. 1,852,800; Apr. 5.
Vessel. A. M. McDougall. Re18,350; Feb. 9.
Vessel adapted for use as landing place for air lines crossing the sea. P. N. Lucas-Girardville. 1,869,247; July 26.
Vessel and making the same, Frangible. A. J. Loepsinger. 1,838,884; Jan. 5.
Vessel and manufacture, Tubular. J. V. Giesler. 1,886,803; Nov. 8.
Vessel and producing the same, Steel. F. Neuhaus. 1,860,292; May 24.
Vessel capping machine. C. L. Turner. 1,865,804; July 5.
Vessel, Carbonating. H. R. Boyer. 1,885,678; Nov. 1.
Vessel construction. J. E. Howard. 1,881,191; Oct. 4.
Vessel, Domestic cooking. L. C. Demmerle. 1,862,077; June 7.
Vessel, Drinking. J. E. Perry. 1,879,820; Sept. 27.
Vessel for animals, Drinking. J. Wilson. 1,841,866; Jan. 19.
Vessel for fire refining. H. H. Stout. 1,889,426; Nov. 29.
Vessel for gases, Transportation or pressure. C. W. P. Heylandt. 1,866,517; July 5.
Vessel for holding a liquid for humidifying the air. A. Killing. 1,888,387; Nov. 22.
Vessel for operations with ammonia carried out at elevated temperatures. A. Curs. 1,880,841; Oct. 4.
Vessel for treating fibrous material. J. J. de la Roza, sr. 1,849,866; Mar. 15.
Vessel, Fore and aft rigged. E. L. Blackman. 1,856,459; May 3.
Vessel, Fore and aft rigged. E. L. Blackman. 1,856,803–4; May 3.
Vessel, Hydrospeed. M. Kloen. 1,875,344; Sept. 6.
Vessel, Industrial chemical. R. H. McKee. 1,841,752; Jan. 19.
Vessel, Marine. R. M. Zu Lynar Passy-de Chimang. 1,886,471; Nov. 8.
Vessel, Steam heating boiling. A. Heller. 1,874,996; Aug. 30.
Vessel stern. D. W. Taylor. 1,853,158; Apr. 12.
Vessel, Tiltable. C. C. Parrish. 1,847,782; Mar. 1.
Vessel, Vacuum discharge. W. Dallenbach. 1,868,410; July 19.
Vessels by electrical welding, Manufacturing thick walled pressure. R. Stresau. 1,864,156; June 21.
Vessels, Device for locating sunken. G. Zahrajian. 1,872,212; Aug. 16.
Vessels, Fabricating vacuum. F. Hotchner. 1,867,154; July 12.
Vessels from bursting, Device for preventing. V. Merritt. 1,851,202; Mar. 29.
Vessels, Propulsion of. T. R. Tarn. 1,861,035; May 31.
Vessels, System of and means for raising submerged. S. Schwager. 1,863,732; June 21.
Vest. R. M. Lapham. 1,879,341; Sept. 27.
Vest, Life saving. A. Lehmann. 1,868,210; July 19.
Vest, Women's. M. D. Nellson. 1,891,775; Dec. 20.
Vestibule diaphragm. E. E. Whitmore. 1,891,964; Dec. 27.
Veterinary appliance for facilitating the parturition of cows in calf. U. Ransy. 1,885,945; Nov. 1.
Vial. F. B. Cooney. 1,889,963; Dec. 6.
Vial, Paper. J. W. Hunt. 1,842,494; Jan. 26.
Vibrating device. J. F. Haas. 1,858,855; May 17.
Vibrating device. R. G. Richardson. 1,872,341; Aug. 16.
Vibrating machine. L. S. Chadwick. 1,844,931; Feb. 16.
Vibrating mechanism. L. S. Chadwick. 1,849,706; Mar. 15.
Vibrating mechanism. V. E. Flanagan and T. Sicka. 1,853,265; Apr. 12.
Vibrating mechanism. M. P. Reynolds. 1,852,677; Apr. 5.
Vibrating screen. J. W. Hunt. 1,842,494; Jan. 26.
Vibration creating means. W. A. Buckner. 1,864,975; June 28.
Vibration dampener. C. Breer. 1,840,655–6; Jan. 12.
Vibration dampener. J. K. Wood. 1,884,477; Oct. 25.
Vibration dampener for crank shafts. E. G. Gunn. 1,861,200; May 31.
Vibration detector. H. C. Hayes. 1,892,147; Dec. 27.
Vibration eliminating means. T. M. Edison. 1,855,570; Apr. 26.
Vibration indicator. F. L. Lipcot. 1,876,704; Sept. 13.
Vibration of crankshafts, Preventing the. E. A. Sperry. 1,867,684; July 19.
Vibration recording and reproducing apparatus. J. B. Taylor. 1,847,636; Mar. 1.
Vibrations, Apparatus for detecting and measuring. P. F. E. Pictet. 1,870,140; Aug. 2.
Vibrations, Counteracting torsional. R. K. Lee. 1,865,116; June 28.
Vibrations into light variations, Apparatus for transforming. H. Tischner and F. Klaiber. 1,854,003; Apr. 12.
Vibrations, Minimizing torsional. R. V. Hutchinson. 1,853,616; Apr. 12.
Vibrations of strings, Modifying. N. Crane. 1,859,553; May 24.
Vibrator. R. Hetherington. 1,877,176; Sept. 13.
Vibrator. C. E. Salmonson. 1,848,844; Mar. 8.
Vibrator and mixer unit, Combination. T. H. Forde and N. M. Mellars. 1,863,977; June 21.
Vibrator device. G. L. Cannon. 1,872,403; Aug. 16.
Vibrator, Doctor. S. B. Stafford and H. A. Smith. 1,885,872; Nov. 1.
Vibrator for loud speakers. F. Shida. 1,856,791; May 3.
Vibrator, Fountain. H. Nachies. 1,889,487; Nov. 29.
Vibrator, Magnetostrictive. G. W. Pierce. 1,882,393–4; Oct. 11.
Vibrator, Magnetostrictive. G. W. Pierce. 1,882,397–9; Oct. 11.
Vibrator mechanism. R. W. Baily. 1,876,271; Sept. 6.
Vibrator or like mechanism. W. G. Shelton. 1,857,982; May 10.
Vibrator, Wire. E. E. Berry. 1,841,702; Jan. 19.
Vibratory apparatus. K. H. Whitney. 1,868,452; July 19.
Vibratory apparatus. K. H. Whitney. 1,878,925; Sept. 20.
Vibratory device. G. W. Pierce and S. A. Buckingham. 1,882,400; Oct. 11.
Vibratory mechanical impulses into solids, liquids, and the like, Radiating. F. Rieber. 1,867,098; July 12.
Vibratory screen. A. L. Munro. Re18,530; July 19.
View analyzer. A. F. Shore. 1,883,019; Oct. 18.
View changing apparatus. W. T. Birdsall. 1,856,234; May 3.
View finder. A. Brieble. 1,848,693; Mar. 8.
View transmission system. V. K. Zworykin. 1,863,363; June 14.

Vine cutter. W. A. Scright. 1,857,006; May 3.
Vinegar, Manufacture of. J. Frings. 1,880,381; Oct. 4.
Viner. F. P. Ryder. 1,882,952; Oct. 18.
Vinyl acetate, Preparation of. H. B. Dykstra. 1,849,616; Mar. 15.
Vinyl derivative and preparing it. W. E. Lawson and J. H. Wernts. 1,874,107; Aug. 30.
Vinyl derivatives. Polymerizing. W. E. Lawson. 1,867,014; July 12.
Vinyl derivatives, Polymerizing. W. E. Lawson and L. T. Sandborn. 1,881,282; Oct. 4.
Vinyl derivatives, Polymerizing. W. E. Lawson. 1,890,000; Dec. 6.
Violin. E. H. Chase. 1,887,398; Nov. 8.
Violin. E. L. Goss and H. Mueller. 1,870,623; Aug. 9.
Violin. F. Kmetko. Des. 87,721; Sept. 6.
Violin bow. C. B. Gray. 1,874,037; Aug. 30.
Violin, Practice. E. H. Beight. 1,841,088; Jan. 19.
Violins and the like, Finger position indicator means for. H. O. Weber. 1,886,070; Nov. 1.
Viscose, Drying of. Hentzel, M. Hardtmann, W. J. Hilger, and R. Knoche. 1,853,418; Apr. 12.
Viscose, Fabrication of. W. F. Richter. 1,876,754; Sept. 13.
Viscose, Making. R. Thurm. 1,871,245; Aug. 9.
Viscose manufacturing. I. J. Frenkel. 1,866,558; July 12.
Viscose, Manufacturing. E. Goth. 1,862,592; June 14.
Viscose, Preparing. W. F. Richter. 1,876,755; Sept. 13.
Viscose, Purification of. A. F. McConnell 1,852,466; Apr. 5.
Viscose solutions, Treatment of. F. W. Sperr, jr. 1,841,420; Jan. 19.
Viscose treating apparatus. S. A. Neldich. 1,884,811; Oct. 25.
Viscose, Uniform dyeing of. K. Bormann. 1,853,501; Apr. 12.
Viscose, Uniform dyeing of. W. Hentrich, J. Hilger, and R. Knocke. 1,855,963; Apr. 26.
Viscosimeter. R. C. Beckstrom and C. F. Barb. 1,848,928; Mar. 8.
Viscosimeter. G. G. Fairbairn. 1,863,522; June 14.
Viscosimeter. R. W. King. 1,874,015; Aug. 30.
Viscosity indicating device. E. E. Smith. 1,869,718; Aug. 2.
Viscosity of materials, Method and apparatus for indicating and regulating the. A. Osbourne. 1,888,431; Nov. 22.
Vise. A. Abegg. 1,850,338; Mar. 22.
Vise. B. Dwofsky. 1,854,891; Apr. 19.
Vise. E. W. Fulton. 1,890,114; Dec. 6.
Vise. T. M. Jolley. 1,865,941; July 5.
Vise. F. Kuhenne. 1,872,755; Aug. 23.
Vise. J. S. McCheney. 1,850,178; Mar. 22.
Vise. K. Ornholdt. 1,857,001; May 3.
Vise, coupling and similar clamping device, Parallel. B. Friedrich. 1,848,617; Mar. 8.
Vise for centering generators and the like. B. J. Haskins. 1,859,920; May 24.
Vise, Hand. R. H. Brockman. 1,879,058; Sept. 27.
Vise, Workholding. A. W. Swanson. 1,869,631; Aug. 2.
Visibility promotion. D. C. Smith. 1,849,554; Mar. 15.
Visible card rack. L. T. Lloyd and H. Olsen. 1,885,929; Nov. 1.
Vision, Apparatus for correcting. H. B., Sheffield. 1,876,769; Sept. 13.
Visor. R. K. McClellan. 1,884,047; Oct. 25.
Visor. J. R. Thorp. 1,850,352; Apr. 5.
Visor, Adjustable. C. A. Pritchard. 1,855,588; Apr. 26.
Visor and supporting and operating mechanism therefor. A. R. Simon. 1,841,986; Jan. 19.
Visor attachment for windshields of motor driven vehicles. F. J. Schmidt, jr., and C. J. Nash. 1,876,434; Sept. 6.
Visor, Folding. W. J. Tate. 1,853,943; Apr. 12.
Visor for vehicles, Inside sun. L. Laven. 1,849,353; Mar. 15.
Visor, Full vision. D. Craig. 1,887,871; Nov. 15.
Visor structure. A. R. Simon. 1,848,909; Mar. 8.
Visor, Sun. H. V. Henderson. Des. 85,981; Jan. 12.
Visual announcer. H. L. Rusch and E. R. Liebert. 1,850,085; Mar. 22.
Visual effects, Apparatus for multiple. A. Hudiakoff. 1,888,320; Nov. 22.
Visual information board. M. D. W. Swanson. 1,884,369; Oct. 25.
Visual measurement of concentration of suspended material in gases, Apparatus for. F. H. Viets. 1,883,168; Oct. 18.
Visuality by reflected light, Effecting. N. H. Ranstead. 1,859,682; May 24.
Vitamin concentrate and method of preparation. R. K. Prince. 1,845,813; Feb. 16.
Vitamin concentrates from fats, Obtainment of. W. G. Christiansen and E. Moness. 1,879,734; Sept. 27.
Vitamine preparations, Obtaining concentrated. L. A. Agopian. 1,861,677; June 7.
Vitamins, Concentration of. B. Sure. 1,889,427; Nov. 29.
Vitamins, Extraction and concentration of. B. Sure. 1,869,721; Aug. 2.
Vocal sounds, Apparatus for transmitting and receiving. T. B. Fassett. 1,879,148; Sept. 27.
Voice current repeater. H. H. Smith. 1,889,005; Nov. 29.
Voile fabric, Flock printed. W. F. Adam. Des. 85,903; Jan. 5.
Volatile constituents from a liquid or gas, Removing one or more. M. Sheold. 1,878,607; Sept. 20.
Voltage and resistance between high tension conductors and ground, Increasing flash-over. A. O. Austin. 1,847,400; Mar. 1.
Voltage compensator. E. R. Wolfert. 1,858,845; May 17.
Voltage control system. G. A. Chutter. 1,841,089; Jan. 12.
Voltage control system. A. S. Hubbard. 1,882,611; Oct. 11.
Voltage controller, Automatic. W. C. Heald. 1,875,868; Sept. 6.
Voltage electromagnet of induction disk meter devices, Construction of the. J. Busch. 1,873,737; Aug. 23.
Voltage limiter. L. E. Cole. 1,869,466; Aug. 2.
Voltage limiter, Peak. W. A. Knoop. 1,869,434; Aug. 2.
Voltage measuring arrangement. T. Laurent. 1,887,247; May 10.
Voltage multiplier. G. J. Wey and D. A. Young. 1,844,531; Feb. 9.
Voltage rectification, High. V. Z. De Ferranti. 1,842,716; Jan. 26.
Voltage regulating apparatus. L. Devol. 1,883,613; Oct. 18.
Voltage regulating device for supply systems comprising variable speed dynamos. N. A. J. Voorhoeve. 1,845,896; Feb. 16.
Voltage regulating method and system. L. F. Blume. 1,842,220; Mar. 1.
Voltage regulation. B. M. Leece and D. S. Cole. 1,875,043; Aug. 30.
Voltage regulation of alternating current long distance lines. R. Rüdenberg and E. Friedländer. 1,872,348; Aug. 16.
Voltage regulator. C. W. Hansell. 1,874,981; Aug. 30.
Voltage regulator. W. H. T. Holden. 1,862,595; June 14.
Voltage regulator. A. Joffé. 1,850,587; Mar. 22.
Voltage regulator. H. E. Norviel, J. B. Dyer and J. M. Kelly. 1,844,790; Feb. 9.
Voltage regulator. D. E. Replogle. 1,844,977; Feb. 16.
Voltage regulator. L. L. Spencer. 1,878,341; Sept. 20.
Voltage regulator, Power system. F. W. Gay. 1,843,921; Feb. 9.
Voltage regulators, Device for testing electric. H. Grob. 1,857,149; May 10.
Voltage smoothing and regulating system. C. H. Green. 1,886,180; Nov. 1.
Voltage stabilizing means for direct-current generators. R. C. Bergvall. 1,874,163; Aug. 30.
Voltage supply means for directional relays. R. C. Curtis. 1,877,446; Sept. 13.
Voltage testing system, High. R. Tanberg. 1,872,362; Aug. 16.
Voltages in electrical precipitators, Insulating high. R. T. Howes. 1,891,645; Dec. 20.
Voltmeter designed to indicate the charge condition of a storage battery. J. M. Coote. 1,849,074; Mar. 15.
Volume control. W. E. Gilbert. 1,889,018; Nov. 29.
Volume control. W. H. Schaeffer. 1,846,616; Feb. 23.
Volume control. S. Tarzian. 1,885,307; Nov. 1.
Volume control. H. A. Wheeler. 1,879,861–3; Sept. 27.
Volume control combining system. J. B. Moore. 1,849,632; Mar. 15.
Volume control, Fluid. J. W. Taylor and W. M. Wheless. 1,850,423; Mar. 22.
Volume control for diversity reception, Differential. H. H. Beverage. 1,888,068; Nov. 15.
Volume control for radioreceivers. H. A. Wheeler. 1,873,236; Aug. 23.
Volume control system. E. R. Hentschel. 1,884,681; Oct. 25.
Volume control system. A. W. Horton, jr. 1,888,227; Nov. 22.
Volume control system, Automatic. E. R. Hentschel. 1,884,680; Oct. 25.
Voting machine. A. Cummings. 1,845,244; Feb. 16.
Voting machine. H. B. Swartz. 1,855,427; Apr. 26.
Voucher severing and stacking means. B. M. Shipley. 1,874,816; Aug. 30.
Vouchers in cash registers, Issuing. K. A. Lehmann and A. Varren. 1,864,446; June 21.
Vulcanizable compounds and vulcanized products derived therefrom. J. C. Patrick and N. M. Mnookin. 1,890,231; Dec. 6.
Vulcanization. C. F. Flemming. 1,876,897; Sept. 13.
Vulcanization accelerator. G. L. Magoun. 1,865,265; June 28.
Vulcanization accelerator. L. Orthner. 1,869,862; Aug. 2.
Vulcanization, Apparatus for. G. J. Mead. 1,847,408; Mar. 1.
Vulcanized rubber compounds, Manufacture of. W. P. ter Horst. 1,885,564; Nov. 1.
Vulcanizer. C. B. Hudson and H. C. Bostwick. 1,855,633; Apr. 26.
Vulcanizer. F. L. Johnson. 1,863,201; June 14.
Vulcanizer. O. J. Kuhlke. 1,844,962; Feb. 16.
Vulcanizer. C. W. Leguillon. 1,802,025; June 7.
Vulcanizer. C. MacBeth. 1,879,379; Sept. 27.
Vulcanizer, Adjustable cavity repair. J. C. Heintz. 1,875,727; Sept. 6.

Vulcanizer, external type, Top boot. A. A. Glidden and T. M. Knowland, 1,841,489; Oct. 11.
Vulcanizer, Repair. R. W. Brown. 1,880,407; Oct. 4.
Vulcanizer, Repair. J. C. Heintz. 1,839,877; Jan. 5.
Vulcanizer, Sectional tire repair. J. C. Heintz. 1,877,175; Sept. 13.
Vulcanizer, Tire. F. J. Shook. 1,883,018; Oct. 18.
Vulcanizer, Tire repair. R. J. Schmidt. 1,842,124; Jan. 19.
Vulcanizer with wedge lock. J. Jennejohn. 1,881,628; Oct. 11.
Vulcanizing apparatus. V. E. Atkins. 1,842,646; Jan. 26.
Vulcanizing apparatus. J. R. Gammeter. 1,849,828; Mar. 15.
Vulcanizing apparatus. C. E. Maynard. 1,859,337; May 24.
Vulcanizing apparatus. R. W. Snyder. 1,884,324; Oct. 25.
Vulcanizing apparatus. G. M. Sprowls. 1,853,324; Apr. 12.
Vulcanizing apparatus. R. F. Ternes. 1,881,001; Oct. 4.
Vulcanizing Apparatus for and method of. H. V. Wodtke. 1,865,416; June 28.
Vulcanizing heater. H. A. Denmire. 1,840,490; Jan. 12.
Vulcanizing mold. P. De Mattia. 1,851,570; Mar. 29.
Vulcanizing mold. P. De Mattia. 1,851,003; Mar. 29.
Vulcanizing mold. P. De Mattia. 1,852,557; Apr. 5.
Vulcanizing mold. P. De Mattia. 1,863,604; June 21.
Vulcanizing press. C. E. Maynard. 1,841,490; Jan. 19.
Vulcanizer with interchangeable shell. A. R. Krause. 1,878,817; Sept. 20.
Vulcanizing annular articles, Apparatus for. C. E. Maynard. 1,872,158; Aug. 16.
Vulcanizing apparatus. L. O. Grange. 1,879,194; Sept. 27.
Vulcanizing apparatus. C. W. Leguillon. 1,869,598; Aug. 2.
Vulcanizing mold. B. De Mattia. 1,869,671; Aug. 2.
Vulcanizing mold, Automatic. C. E. Maynard. 1,867,369; July 12.
Vulcanizing system. R. D. Cleveland. 1,868,791; July 26.
Wafers and the like, Apparatus for making or baking. G. B. Baker and J. C. Paterson. 1,870,480; Aug. 9.
Waffle. W. A. Rankin. 1,854,224; Apr. 19.
Waffle iron. J. F. Klein. Des. 86,844; Apr. 26.
Waffle iron. D. Olds. Des. 86,630-1; Mar. 29.
Waffle iron. E. J. Rohne. Des. 86,863; Apr. 26.
Wage paying machine. C. L. Burdick. 1,870,554; Aug. 9.
Wage signalling system. W. A. MacDonald. 1,881,284; Oct. 4.
Wagon. E. E. Parker. 1,849,018; Mar. 8.
Wagon, Collapsible dinner or tea. K. Oppenlander. 1,881,393; Dec. 20.
Wagon, Dump. J. D. Benbow and J. B. Green. 1,887,914; Nov. 15.
Wagon, Farm. T. H. Oppenheim. 1,886,722; Nov. 8.
Wagon hitch. J. B. O'Donnell. 1,882,868; Oct. 18.
Wagon or coaster, Three wheeled. C. Paulsen. 1,890,656; Dec. 13.
Wagon, Refreshment. J. G. Garton. Des. 88,642; Dec. 20.
Wagon, Refreshment. J. G. Garton. Des. 88,706; Dec. 20.
Wagon, Self-discharging. W. Ludowici. 1,881,203; Oct. 4.
Wagon, Self-dumping crawler. E. R. Standfuss. 1,856,441; May 3.
Wagon tilt. C. Hofrichter. 1,858,739; May 17.
Walkway. F. H. Meyer. 1,842,621; Jan. 26.
Walking stick seat. H. D. Stevens. 1,863,457; June 14.
Wall. R. W. Raftis. 1,886,129; July 5.
Wall and air cooled refractory construction, Water. J. S. Bennett. 1,856,936; Apr. 26.
Wall and ceiling structure. W. J. Davey. 1,870,101; Aug. 2.
Wall and forming same. J. H. Skillin. 1,862,066; June 7.
Wall and making it, Concrete. R. C. McWane. 1,862,544; June 14.
Wall and units used therein, Imitation masonry. F. E. Horne. 1,860,181; May 24.
Wall bleacher, Convertible. R. G. Howard. 1,862,824; June 14.
Wall board. L. S. Odell. 1,876,340; Sept. 6.
Wallboard and joint made therewith. T. B. Munroe. 1,881,177; Jan. 19.
Wallboard and joint made therewith. T. B. Munroe. 1,881,420; Oct. 4.
Wall board and the like, Manufacture of. A. E. Millington. 1,857,316; May 10.
Wall board channels, Manufacturing. C. O. Walpur. 1,888,151; Nov. 15.
Wall board joint. D. McChesney. 1,889,150; Nov. 29.
Wall board, Laminated. P. W. Codwise. 1,843,915; Feb. 9.
Wall board, Manufacture of. G. M. Thomson. 1,859,853; May 24.
Wall bracket. N. E. Grady. 1,852,514; Apr. 5.
Wall bracket, Lighting fixture. L. C. Doane and H. H. Wolter. Re18,482; May 31.
Wall, Building. L. A. Banta. 1,865,424; July 5.
Wall cabinet table. C. F. Bartlett. 1,849,446; Mar. 15.
Wall construction. A. F. Bemis. 1,865,500; July 5.
Wall construction. P. Betzler. 1,892,605; Dec. 27.
Wall construction. G. H. Binder. 1,851,890; Mar. 29.
Wall construction. E. D. Covell. 1,846,849; Feb. 23.
Wall construction. A. Giuliani. 1,842,828; Jan. 26.
Wall construction. W. D. Henderson. 1,841,810; Jan. 19.
Wall construction. J. L. Lemerond. 1,882,432; Oct. 11.
Wall construction. N. L. Lieberman. 1,852,017; Apr. 5.
Wall construction. G. F. McKenney. 1,869,069; July 26.
Wall construction, Tiled. H. Ritsner. 1,880,283; Oct. 4.
Wall construction. F. M. Sawyer. 1,870,926; Aug. 9.
Wall construction. E. F. Techmer. 1,872,526-7; Aug. 16
Wall construction. M. L. Webster. 1,880,561; Oct. 4.
Wall construction. W. A. Whiting. 1,841,233; Jan. 12.
Wall construction, Air cooled. E. H. MacLean and J. J. Uphues. 1,847,436; Mar. 1.
Wall construction and building unit therefor. E. D. Covell. 1,859,236; May 17.
Wall construction, Breakwater. J. P. Ball. 1,847,043; Feb. 23.
Wall construction, Brick. E. M. Wyatt. 1,854,439; Apr. 19.
Wall construction, Building. N. Garrett. 1,842,348; Jan. 19.
Wall construction for absorbing sound waves. W. J. Young. 1,866,742; July 12.
Wall construction, Insulated. E. W. Davis. 1,870,838; Aug. 9.
Wall construction unit and wall formed therefrom. J. P. Morris. 1,887,777; Nov. 15.
Wall covering. W. B. Fried. 1,889,091; Nov. 29.
Wall for railway cars. W. F. Murphy. 1,853,169; Apr. 12.
Wall insert. R. W. Loeffler. 1,856,030; Apr. 26.
Wall, Insulating. C. F. Hauf. 1,843,430; Feb. 2.
Wall, Metal lattice. G. F. Hauf. 1,873,762; Aug. 23.
Wall mold. G. W. Heller. 1,849,758; Mar. 15.
Wall or the like, Tiled. O. E. Grigsby. 1,841,370; Jan. 19.
Wall or the like, Tiled. O. E. Grigsby. 1,863,842; June 21.
Wall or the like, Tiled. G. D. Haines. Re18,376; Mar. 8.
Wall panel construction, Sectional. F. S. Robinson. 1,877,053; Sept. 13.
Wallpaper. C. O. Hesse. Des. 87,746; Sept. 13.
Wall paper or similar article. M. Arnold. Des. 87,952; Oct. 18.
Wallpaper or similar article. J. Dornbusch. Des. 86,999–87,000; May 24.
Wall paper or similar article. E. Ericson. Des. 86,156–61; Feb. 9.
Wall paper or similar article. A. Martinek. Des. 86,619; Mar. 29.
Wall papering mechanism. M. C. Cooper. 1,864,409; June 21.
Wall plate structure for furnaces. H. C. Lord. 1,864,601; June 28.
Wall plate structures for furnaces, Forming. H. C. Lord. 1,864,600; June 28.
Wall, protective means, Production of. E. Pick. 1,887,464; Nov. 8.
Wall structure. H. P. C. Keuls. 1,879,311; Sept. 27.
Wall structure. K. E. Smith. 1,884,319-1,884,320; Oct. 25.
Wall structure and building unit therefor. M. K. Armstrong. 1,867,299; July 12.
Wall structure, Decorative. D. Graham. 1,841,947; Jan. 19.
Wall structure, Insulated. E. R. Powell. 1,848,272; Mar. 8.
Wall structure, Interior building. H. L. Walters. 1,876,528; Sept. 6.
Wall structure, Metallic. E. F. Hauserman, L. D. Mowery, and J. A. Bohnsack. 1,842,094; Jan. 19.
Wall structure, Metallic. E. F. Hauserman, L. D. Mowery, and J. A. Bohnsack. 1,856,995; May 3.
Wall structure, Tubular. E. H. Tenney. 1,886,314; Nov. 1.
Wall structures and building supports and using said device, Device for use in constructing underground. T. McCauley, jr., and P. B. Rudolf. 1,847,842; Mar. 1.
Wall structures, Making compound. L. L. Knox. 1,885,607; Nov. 1.
Wall support for excavations. B. Dancer. 1,880,316; Oct. 4.
Wall supporting structure, Side water. E. Wheeler. 1,855,657; Apr. 26.
Wall surface construction. H. J. R. Barrett. 1,857,490; May 10.
Wall switch. F. W. Roller. 1,860,054; May 24.
Wall table, Folding. S. E. Timmons. Re18,475; May 17.
Wall, Water. W. C. Drake. 1,880,187; Sept. 27.
Wallet, Collapsible. Y. H. Hasek. 1,839,758; Jan. 5.
Wallet, Pocket. J. Harwood, jr. 1,842,870; Jan. 26.
Walling, Imitation. A. Jasinski. 1,871,887; Aug. 16.
Walls and other surfaces, Decorating. E. K. Fowler. 1,867,068; July 12.
Walls, Apparatus for molding. B. H. Kronen. 1,864,444; June 21.
Walls, Building. N. Garrett. 1,841,581; Jan. 19.
Walls, Building. N. Garrett. 1,841,586; Jan. 19.
Walls, Constructing sea. J. B. Brockburst. 1,877,493; Sept. 13.
Walls, Manufacture of tubular corrugated metal. W. M. Fulton. 1,882,798; Oct. 18.
Walls, piers, etc., Method and apparatus for building retaining. W. Griesbach. 1,870,248; Aug. 9.
Walnut, etc., piercing machine. C. W. Edwards. 1,848,941; Mar. 8.
Ward, Burglar. D. W. Cameron. 1,885,180; Nov. 1.

Wardrobe box. Collapsible. I. Dukes and B. M. Zieve. 1,861,845; June 7.
Wardrobe case. J. Ritter, jr. Re18,499; June 14.
Wardrobe case. J. Ritter, jr. 1,844,336; Feb. 9.
Wardrobe case. J. Ritter, jr. 1,859,052; May 17.
Wardrobe lock. H. B. Carlson. 1,850,222; Mar. 22.
Wardrobes and similar articles of furniture, Attachment for. E. H. Pinto. 1,843,627; Feb. 2.
Ware, Apparatus for underglaze decorating print. F. Ault. 1,840,008; Jan. 5.
Ware articles, Process and mechanism for forming hollow. H. C. Ayers. et. 1,859,325; May 24.
Ware stacking mechanism. G. J. Grizzy. 1,858,010; May 10.
Ware-steadying mechanism. C. H. Hardman and M. H. Thomas. 1,856,096; Nov. 1.
Ware transferring device. H. W. Ingle. 1,843,285; Feb. 2.
Ware transferring mechanism. W. A. Morton and P. L. Geer. 1,890,883; Dec. 13.
Wares and method of manufacture, Ceramic. T. G. Mellon et al. 1,862,974; June 14.
Warm air furnace. T. Russell. 1,841,210; Jan. 12.
Warm air register. H. S. Rose. 1,843,243; Feb. 2.
Warmer, Electric foot. E. W. Johnson. 1,860,420; May 31.
Warmer for internal combustion engines, Electric fuel. H. A. Mitchell. 1,875,176; Aug. 30.
Warmer for windshields, Pneumatic. A. S. Dickerson. 1,842,251; Jan. 19.
Warmer, Windshield. C. H. Brewster. 1,860,073; May 24.
Warmer, Windshield. F. H. Moore. 1,856,651; May 3.
Warmer, Windshield. C. Morgan. 1,871,722; Aug. 16.
Warming table. H. F. Zuhner. 1,850,193; Mar. 22.
Warning and sounding device for ships. C. Wolff. 1,852,171; Oct. 4.
Warning device for fluid pressure. C. C. Farmer. 1,842,518; Jan. 26.
Warning signal. A. F. Gillet. 1,869,142; July 26.
Warning signal, Cross street vision. I. Lichtenstein. 1,871,894; Aug. 16.
Warp beam adjustment, Automatic. C. A. Cook. 1,839,649; Jan. 5.
Warp knitting machine. T. Vorck and P. Zimmermann. 1,841,165; Jan. 12.
Warp let-off attachment. H. I. Hansen and J. A. Hinrichs. 1,871,517; Aug. 16.
Warp pile fabric. F. Andreae. 1,888,944; Nov. 22.
Warp pile weaving. Dreyfus. 1,883,346; Oct. 18.
Warp printing apparatus. O. F. Hubert. 1,845,414; Feb. 16.
Warper. J. J. Sussmuth. 1,890,197; Dec. 6.
Warping apparatus. B. A. Peterson. 1,872,179; Aug. 16.
Warping frame. J. M. Bahima Puig and S. J. Gascon. 1,869,277; July 26.
Warping machine. G. Sipp. 1,878,298; Sept. 20.
Warping machine drive and control therefor. J. Ruhren. 1,857,332; May 3.
Washboard. Y. Hanaoka. 1,870,111; Aug. 2.
Washboard. D. J. Signorelli. 1,890,549; Dec. 13.
Washboard. F. M. Vogan. Des. 86,944; May 10.
Wash Mold. K. W. Grant. 1,885,094; Oct. 25.
Wash rag. R. Stewart. 1,873,503; Aug. 23.
Washer: *See*—
Air washer.
Bedpan washer.
Clothes washer.
Cream separator washer.
Cup washer.
Dish washer.
Fruit washer.
Golf ball washer.
Gravel washer.
Laundry washer.
Lock washer.
Nut lock washer.
Sand washer.
Spring washer.
Vegetable root washer.
Washer. W. B. Allbright. 1,850,951; Mar. 22.
Washer. A. R. Allsup. 1,849,842; Mar. 15.
Washer. J. H. Johnston. 1,858,894; May 17.
Washer and cleaner, Vegetable. L. Schneider and A Reich. 1,844,031; Feb. 9.
Washer and drier, Fruit. T. Farley. 1,852,405; Apr. 5.
Washer and/or drier for golf balls or similar articles. G. F. Hall. 1,876,851; Sept. 13.
Washer and rinsing machine, Bottle. J. Fleming. 1,876,895; Sept. 13.
Washer applying machine, Extra. H. Lavine. 1,892,581; Dec. 27.
Washer for angle supports, Eccentric. A. J. Schatz. 1,854,277; Apr. 19.
Washer for countersunk screws, Lock. C. G. Olson. 1,865,132; June 28.
Washer for disk bits, Scraping. F. L. Scott. 1,850,858; Mar. 22.
Washer for electrical connections. E. L. Wiegand. 1,847,738; Mar. 1.
Washer for straight counterbores, Helical lock. J. Berge. 1,870,836; Nov. 15.
Washer for wrist watches, Stop. L. S. Hanson. 1,865,249; June 28.
Washer log. W. A. Fye. 1,887,151; Nov. 8.
Washers, Forming non-entangling spring. E. D. Cowlin. 1,856,806; May 3.
Washers, Making lock. R. T. Hosking. 1,845,272; Feb. 16.
Washers, Making lock. G. C. Trotter. 1,882,100; Oct. 11.
Washing and cementing device for well casing. C. E. Burt. 1,875,414; Sept. 6.
Washing and cooking machine. W. L. Baker and C. F. Greiner. 1,855,540; Apr. 26.
Washing and drying machine for blue prints and the like, Continuous. T. Lord and H. J. Brunk. 1,852,662; Apr. 5.
Washing and ironing machine. J. T. Hume. 1,863,852; June 21.
Washing and sanding machine. W. T. Peck and L. P. Eubanks. 1,881,129; Oct. 4.
Washing and scrubbing apparatus for cases and boxes. J. W. Engholm. 1,883,772; Oct. 18.
Washing apparatus. G. Geddes. 1,858,444; May 17.
Washing apparatus. H. Hill. 1,876,976; Sept. 13.
Washing apparatus for combustion chambers. H. T. Weir. 1,849,737; Mar. 15.
Washing apparatus, Portable. H. W. Smith. 1,843,247; Feb. 2.
Washing appliance, Vehicle. I. A. Weaver. 1,848,447; Mar. 8.
Washing implement. G. Virneburg. 1,857,989; May 10.
Washing machine. A. W. Altorfer. 1,847,204; Mar. 1.
Washing machine. V. G. Bailey. 1,839,567; Jan. 5.
Washing machine. F. Balzer. 1,862,652; June 14.
Washing machine. M. N. Bonsiskos. 1,890,493; Dec. 13.
Washing machine. A. Caise. 1,878,823; Sept. 20.
Washing machine. M. A. Defibaugh. 1,882,123; Oct. 11.
Washing machine. L. De Vries. 1,876,210; Sept. 6.
Washing machine. G. W. Dunham. 1,842,154; Jan. 19.
Washing machine. W. N. Gallagher. 1,889,747; Dec. 6.
Washing machine. H. Haubens and L. H. Hoicomb. 1,862,582; Oct. 11.
Washing machine. E. G. Huzenlaub. 1,847,946; Mar. 1.
Washing machine. F. W. Juengst and O. M. Anderson. 1,847,484; Mar. 1.
Washing machine. P. G. Lägerback. 1,887,813; Nov. 15.
Washing machine. R. S. Lange. 1,886,201; Nov. 1.
Washing machine. A. and M. L. Louvier. 1,876,144; Sept. 6.
Washing machine. J. J. McCabe. 1,861,640; June 7.
Washing machine. O. J. Moussette, sr. 1,881,831; Oct. 11.
Washing machine. E. Pedrazzo. 1,886,573; Nov. 8.
Washing machine. A. Perry. 1,840,172; Jan. 5.
Washing machine. E. J. Perry. 1,840,209; Jan. 5.
Washing machine. E. J. Perry. 1,840,328; Jan. 12.
Washing machine. E. J. Perry. 1,850,168; May 3.
Washing machine. H. L. Quackenbush. 1,886,335; Nov. 22.
Washing machine. T. F. Rataiczak. 1,866,519; July 5.
Washing machine. C. Reddig. 1,870,785; Aug. 9.
Washing machine. C. O. Reeps. 1,854,485; Apr. 19.
Washing machine. T. A. Riall. 1,850,138; Mar. 22.
Washing machine. L. O. Saunders. 1,869,510; Aug. 2.
Washing machine. J. Schmid-Domann. 1,891,842; Dec. 20.
Washing machine. V. E. Schmiedeknecht. 1,856,268; May 3.
Washing machine. S. E. Schroeder. 1,841,682; Jan. 19.
Washing machine. S. E. Schroeder. 1,885,953; Nov. 1.
Washing machine. A. G. Schwieterman. 1,861,244; May 31.
Washing machine. W. E. Sharp. 1,884,893; Oct. 25.
Washing machine. H. E. Snyder. 1,866,779; July 12.
Washing machine. S. H. Stoffel. 1,864,002; June 21.
Washing machine. E. Vandecan. 1,855,265; Apr. 26.
Washing machine. N. B. Wales and C. Roberts. 1,892,441; Dec. 27.
Washing machine. R. E. Warren. 1,878,254; Sept. 20.
Washing machine. R. J. Waterworth. 1,891,339; Dec. 20.
Washing machine. H. P. Welman. 1,849,896; Mar. 15.
Washing machine. D. M. Wenger. 1,887,971; Nov. 15.
Washing machine. G. H. West. 1,850,523; Mar. 22.
Washing machine. W. L. Wright. 1,850,821; Mar. 22.
Washing machine. E. R. Zademach. 1,853,528-9; Apr. 12.
Washing machine. E. R. Zademach. 1,878,568; Sept. 20.
Washing machine and dust collector, Combination. P. E. Barker. 1,880,665; Oct. 4.
Washing machine and gyratator. H. F. Snyder. 1,863,546; June 14.
Washing machine and wringer, Combined. J. Boening. 1,891,628; Nov. 29.
Washing machine, Automatic. N. Crane. 1,849,283; Mar. 15.
Washing machine, Automatic. E. J. Perry. 1,849,952; Mar. 15.
Washing machine for rugs, carpets, etc. B. F. Behringer. 1,877,156; Sept. 13.
Washing machine for spinach, etc. H. Robinson. 1,853,997; Apr. 12.
Washing machine, Power driven. J. B. Fletcher. 1,870,653; Sept. 13.
Washing machine, Steam. T. J. McDonald 1,852,179; Apr. 5.
Washing machine tub. A. H. Labisky. Des. 87,345; July 12.
Washing machine tub, Power driven. H. F. Snyder. 1,842,807; Jan. 26.
Washing machines, Liquid level control for. L. C. Schenck. 1,854,228; Apr. 19.
Washing machines, Safety appliance for. J. H. Skitt. 1,881,974; Oct. 11.

Washing solutions to washing machines, Device for automatically supplying. E. D. Edgren. 1,889,280; Nov. 29.
Waste and overflow for laboratories, bidets, bathtubs or the like. J. Wolfferts. 1,876,817; Sept. 13.
Waste combing machine, Express-card. L. Schorsch. 1,889,615; Nov. 29.
Waste, Conditioning. E. S. Pearce. Re18,599; Sept. 13.
Waste heat boiler. A. Huet. 1,870,009; Aug. 2.
Waste heat boiler. C. E. Lucke. 1,883,310; Oct. 18.
Waste mixtures, Apparatus for reclaiming. W. M. Kelly. 1,876,243; Sept. 6.
Waste oil extractor, Journal box. L. C. McNamara. 1,845,676; Feb. 16.
Waste organic mixtures, Utilization of. G. T. Reich. 1,886,045; Nov. 1.
Waste, Process and apparatus for cleaning. J. R. Hiatt and C. R. Wicker. 1,857,812; May 10.
Waste receiver, Adjustable. G. A. Saville, jr. 1,877,363; Sept. 13.
Waste reclamation apparatus. B. W. Brockett. 1,876,603; Sept. 13.
Waste reclamation apparatus. E. S. Pearce. 1,876,739; Sept. 13.
Waste, Renovating. E. S. Pearce. 1,877,754; Sept. 13.
Waste trap. E. A. Bolt. 1,845,121; Feb. 16.
Watch and vanity case, Combined. G. M. Roberts. 1,861,644; June 7.
Watchcase. D. S. Ingraham. 1,881,613; Oct. 11.
Watchcase. C. P. Rand. 1,850,216; Mar. 22.
Watchcase back or analogous article. R. C. Nicholson. Des. 86,801; Apr. 19.
Watch case construction, Waterproof. A. W. Wadsworth. 1,853,388; Apr. 12.
Watchcase heater. H. A. Denmire. 1,840,569; Jan. 12.
Watchcase heating. H. A. Denmire. 1,871,118; Aug. 9.
Watchcase heater. H. A. Denmire. 1,871,160; Aug. 9.
Watchcase heater. H. T. Kraft. 1,871,620; Aug. 16.
Watchcase, Tubular. H. Schlachet. 1,891,611; Dec. 20.
Watch cleaning machine. R. R. Olson. 1,879,441; Sept. 27.
Watch cleaning machine. F. Regero. 1,872,812; Aug. 23.
Watch dial and compass, Combination sun. H. Neuwirth. 1,887,064; Nov. 8.
Watch-hand gauge. T. S. Barber. 1,892,564; Dec. 27.
Watch mounting. A. E. Manheimer. 1,871,898; Aug. 16.
Watch movement. R. Moeri. 1,845,552; Feb. 16.
Watch, Pocket. E. Wolf. 1,853,484; Apr. 12.
Watch or clock movement, Power-wound. L. K. Malvern. 1,865,379; June 28.
Watch pendant construction. A. Chapatte. 1,862,526; June 14.
Watch, Self-winding. E. Frey. 1,891,760; Dec. 20.
Watch, Self winding. A. Reiner. 1,853,637; Apr. 12.
Watch, Self winding wrist. A. Bulova. 1,844,882; Feb. 9.
Watch, Stop. T. Pastor. 1,851,593; Mar. 29.
Watch, Strap. A. E. Manheimer. 1,871,897; Aug. 16.
Watch strap or similar article, Wrist. C. H. Kestenman. Des. 86,378; Mar. 1.
Watch supporting bracket. F. A. Winters. 1,853,483; Apr. 12.
Watch, Wrist. G. P. Dike. 1,849,482; Mar. 15.
Watch, Wrist. E. Frey. 1,855,952; Apr. 26.
Watch, Wrist. A. E. Manheimer. 1,871,896; Aug. 16.
Water amusement device. G. P. V. Kurz. 1,859,267; May 17.
Water and room cooler, Combination drinking. R. A. Pickens. 1,848,195; Mar. 8.
Water, Apparatus for decomposing. E. L. Langley. 1,862,224; June 7.
Water, Apparatus for the purification of waste. M. Kusch. 1,867,212; July 12.
Water, Apparatus for the treatment of feed. V. V. Saks. 1,855,900; Apr. 26.
Water, Attachment for heating. J. H. App. 1,885,669; Nov. 1.
Water bottom, Self supporting. J. C. Martin, jr. 1,885,932; Nov. 1.
Water circulating system for automobiles. J. F. Gulyban. 1,878,496; Sept. 20.
Water circulating unit, Hot. H. M. Owen. 1,874,602; Aug. 30.
Water closet. J. C. Duner. 1,845,252; Feb. 16.
Water closet. G. Haring. 1,846,553; May 3.
Water closet. C. H. Johnson. 1,875,009; Aug. 30.
Water closet. J. M. Teahen and W. Taylor. 1,880,298; Oct. 4.
Water closet. W. J. Woolley. 1,857,800; May 10.
Water closet combination, Integral. B. O. Tilden. Des. 86,547; Mar. 15.
Water column for steam boilers. G. W. Stetson. 1,859,009; May 17.
Water conductor offset. Rain. E. W. N. Boosey. 1,855,438; Apr. 26.
Water contents, Measuring. E. Mittelsteiner. 1,858,409; May 17.
Water control, Automatic. F. Lenz. 1,865,769; July 5.
Water control, Automatic. T. L. Scovel. 1,850,159; Mar. 22.
Water control, Flood. C. W. Crouse. 1,878,383; Sept. 20.
Water cooler. H. E. Blood. 1,860,379; May 31.
Water cooler. L. W. Hassensall. 1,841,808; Jan. 19.
Water cooler. L. W. Hassensall. 1,887,020; Nov. 8.
Water cooler. P. Haymond. 1,860,027; May 24.
Water cooler. A. F. Moriarity, S. F. Witten, and O. Schopp. 1,863,249; June 14.
Water cooler. A. E. Nave. 1,854,995; Apr. 19.
Water cooler. A. D. Olds. 1,889,611; Nov. 29.
Water cooler. W. S. Ramsay. 1,886,424; Nov. 8.
Water cooler. C. Sundeen and J. G. Fuller. 1,861,033; May 31.
Water cooler. R. C. Wolfe. Des. 86,652; Mar. 29.
Water cooler, Drinking. O. S. McGaffey. 87,272–3; June 28.
Water cooler, Drinking. T. O'Farrell. 1,867,868; July 19.
Water cooler, Mechanical. E. C. Clifford. 1,882,120; Oct. 11.
Water cooling device, Natural. J. Kilbourn and E. W. Easterling. 1,867,975; July 19.
Water cooling system. E. V. Hill. 1,875,305; Aug. 30.
Water craft. G. Alexander. 1,888,443; Nov. 22.
Water craft. J. G. Batt. 1,888,187; Nov. 15.
Water craft, Two hulled. S. E. Hitt. 1,853,125; Apr. 12.
Water deaeration. G. H. Gibson. 1,879,930; Sept. 27.
Water dispensing means, Automatic. A. Locke. 1,875,053; Aug. 30.
Water distillation. G. E. Hughes, A. H. Waring, and J. E. Brabam. 1,867,076; July 12.
Water distributor for condensers of ice manufacturing systems. J. A. Martocello, sr. 1,865,775; July 5.
Water diverting system. L. Blattler. 1,849,799; Feb. 2.
Water dripper, Hot. W. H. Mercier. 1,852,356; Apr. 5.
Water elevator. A. Parker. 1,868,219; July 19.
Water evacuating device. M. Eidsmore. 1,865,623; July 5.
Water, Evaporation of sea. L. B. Allyn. 1,865,451; July 5.
Water filtration. M. J. Martin and W. R. Terry. 1,883,805; Oct. 18.
Water flushing device, Actuating a. A. L. R. Bourdet. 1,875,983; Sept. 6.
Water for a steam boiler, Apparatus for heating feed. S. Haza. 1,861,660; June 7.
Water for cooling brake rims, Distribution of. A. E. Rice and L. E. Zerbe. 1,874,624; Aug. 30.
Water for steam boilers, Apparatus for treating. L. T. Bryson. 1,861,787; June 7.
Water gas generator. W. Bennhold. 1,880,010; Sept. 27
Water gas generator. W. W. Odell. 1,855,309; Apr. 26.
Water gauge. C. M. Carelus. 1,854,110; Apr. 12.
Water gauge. J. J. Daly. 1,880,847; Oct. 4.
Water gauge. T. N. Thomson. 1,875,779; Sept. 6.
Water heater. A. Ahern. 1,868,186; July 19.
Water heater. W. A. Ahern. 1,861,519; June 7.
Water heater. M. Alex. 1,844,268; Feb. 9.
Water heater. L. Bland. 1,885,040; Oct. 25.
Water heater. R. L. Blanding. 1,866,078; July 5.
Water heater. G. A. Bryan. 1,882,116; Oct. 11.
Water heater. A. M. Carlson. 1,864,120; June 21.
Water heater. G. H. and W. F. Clark. 1,849,175; Mar. 15.
Water heater. W. C. Coskley. 1,845,581; Feb. 16.
Water heater. J. D. Desmond. 1,887,196; Nov. 8.
Water heater. G. E. Flower. 1,840,576; Jan. 12.
Water heater. H. J. Fountain. 1,842,965; Jan. 26.
Water heater. P. F. Goetz. 1,886,670; Nov. 8.
Water heater. J. W. Gulmont. 1,891,278; Dec. 20.
Water heater. W. G. Hanna. 1,847,431; Mar. 1.
Water heater. O. Hoferbert. 1,863,273; June 14.
Water heater. H. S. Humphrey. 1,839,392; Jan. 5.
Water heater. J. A. McElroy. 1,844,776; Feb. 9.
Water heater. B. Moscovitch. 1,850,028; Mar. 15.
Water heater. V. L. Tannehill. 1,886,135; Nov. 1.
Water heater. E. J. Te Pas. 1,843,936; Feb. 9.
Water heater. W. Yaeger. 1,851,691; Mar. 29.
Water heater, Domestic hot. C. H. Morrow. 1,862,630; June 14.
Water heater, Electric. W. J. Hammers and A. F. Winterhalter. 1,852,573; Oct. 11.
Water heater, Electric. P. A. Johnson. 1,880,255; Oct. 4.
Water heater, Electric. S. J. Lonergan. 1,839,236; Jan. 5.
Water heater, Electric. E. A. Lonergan. 1,847,489; Mar. 1.
Water heater, Electric. E. A. Lonergan. 1,891,000; Dec. 13.
Water heater, Electric. H. A. Mitchell. Des. 86,818; Apr. 19.
Water heater, Electric. W. T. Rowe. 1,862,065; June 7.
Water heater, Flue. H. Goldhagen. 1,865,852; July 5.
Water heater, Gas or electric. J. Teller and A. P. Schulz. Des. 86,899–900; May 3.
Water heater, Instantaneous. E. Sperling. 1,879,956; Sept. 27.
Water heater, Instantaneous automatic. C. M. Lieber. 1,866,215; July 5.
Water heater, Instantaneous electric. J. A. C. Bodenstab. 1,864,887; June 28.
Water heater, Range. F. M. Woodard. 1,843,309; Feb. 2.
Water heater, Tubular feed. E. L. Schellens. 1,845,005; Feb. 16.
Water heating and deaerating apparatus. J. A. Powell. 1,840,526; Jan. 12.
Water heating apparatus. J. Prinz. 1,847,497; Mar. 1.
Water heating system. E. J. Parent. 1,890,263; Dec. 6.

Water heating system, Solar. H. A. Wheeler. 1,873,854; Aug. 23.
Water, Improving the taste and odor of. J. C. Baker and F. C. Schmelckes. 1,866,524; July 12.
Water level control. E. S. Hall, E. W. Blue, and R. E. Phillips. 1,853,859; Apr. 12.
Water level indicating device. E. D. McCloskey. 1,879,371; Sept. 27.
Water level indicating device, Boiler. H. J. Kerr. 1,869,428; Aug. 2.
Water level indicator. W. E. Baker. 1,854,095; Apr. 12.
Water level indicator, Radiator. J. C. Luekhardt, jr. 1,878,967; Sept. 20.
Water level maintaining device for vases. C. E. Reynolds. 1,842,687; Jan. 26.
Water marcelling comb. A. J. Greenwich. 1,841,475; Jan. 19.
Water meter. E. E. Gamon. 1,848,419; Mar. 8.
Water meter. E. E. Gamon. 1,851,506; Mar. 29.
Water meter. H. G. Weymouth. 1,845,536; Feb. 16.
Water metering device, Return. T. Kelly. 1,876,958; Sept. 13.
Water, Method and apparatus for concentrating pulp. O. Andresen. 1,867,436; July 12.
Water, Method and apparatus for cooling drinking. F. R. West. 1,856,982; May 3.
Water modifying apparatus. C. A. Sundstrand. 1,856,599; May 3.
Water motor. W. R. Morris. 1,876,070; Sept. 6.
Water motor, Hydraulic. W. R. Morris. 1,851,670; Mar. 29.
Water planes, Apparatus for towing. J. R. Arman. 1,853,794; Apr. 12.
Water pressure, Method and apparatus for varying excess of. J. M. Barrett. 1,850,651; Mar. 22.
Water-pressure reducing device. B. F. Benner. 1,853,597; Apr. 12.
Water produced in pulp and paper making, Treatment of white. A. M. Thomsen. 1,870,881; Aug. 9.
Waterproof cartridging for explosives. R. L. Hill. 1,864,965; June 28.
Waterproof case. J. W. Cartuschka. 1,851,750; Mar. 29.
Waterproof expansion joint. A. C. Fischer. Re18,642; Nov. 1.
Waterproof joint. D. McEachern. 1,874,565; Aug. 30.
Waterproof sheets, Applying. A. C. Fischer. 1,848,076; Mar. 1.
Waterproofing composition and articles treated therewith. C. E. Burke and W. E. Lawson. 1,862,565; June 14.
Waterproofing compound for cement and concrete. A. R. Campbell. 1,840,566; Jan. 12.
Waterproofing medium made of calf's tallow or fat and lime, Manufacture of a plastic. C. Fleisch. 1,868,057; July 19.
Water purification. O. Adler and R. Adler. 1,869,643; Aug. 2.
Water purification for locomotives. J. Ostertag. 1,883,856; Oct. 18.
Water purifier. E. J. Brock. Re18,388; Mar. 22.
Water purifier. C. D. Smith. 1,863,947; June 21.
Water purifier, Electrolytic. T. J. Curtis. 1,862,663; June 14.
Water purifier and softener. E. T. Martin. 1,889,485; Nov. 29.
Water, Purifying. B. B. Kaplan. 1,878,525; Sept. 20.
Water purifying apparatus. H. Ayers. 1,861,896; June 7.
Water regulating apparatus, Boiler feed. C. B. Arnold. 1,883,454; Oct. 18.
Water regulator. D. Elder. 1,859,357; May 24.
Water screen, Endless traveling. L. G. Bleyer. 1,874,736; Aug. 30.
Water screen, Endless traveling. F. P. Gary. 1,856,381; May 3.
Water screen, Furnace. W. W. Pettibone. 1,848,801; Mar. 8.
Water separator. F. Stein. 1,857,887; May 10.
Water shed for inside casements, Automatic. J. M. Warner. 1,891,073; Dec. 13.
Water softener. C. P. Eisenhauer. 1,860,927; May 31.
Water softener. S. G. Harwood and D. Griswold. 1,891,675; Dec. 20.
Water softener. F. R. Hubbell. 1,846,556; Feb. 23.
Water softener. O. W. Johnson. 1,873,594; Aug. 23.
Water softener. E. W. Shawen and A. C. Arnett. 1,853,372; Feb. 2.
Water softener. E. T. Wahlbom, L. C. Lind, and P. C. Wahlbom. 1,889,231; Nov. 29.
Water softener. W. C. Waugh. 1,839,428; Jan. 5.
Water softener, Automatic. C. P. Eisenhauer. 1,872,704; Aug. 23.
Water softener, Automatic. S. G. Harwood. 1,846,418–19; Feb. 23.
Water softener brine apparatus. S. G. Harwood and D. Griswold. 1,888,531; Nov. 22.
Water softener, Portable. H. B. Burch. 1,860,849; May 31.
Water softening apparatus. E. J. De Ville. 1,873,305; Aug. 23.
Water softening apparatus. C. P. Eisenhauer. 1,860,926; May 31.
Water softening apparatus. W. H. Green. 1,840,031; Jan. 5.
Water softening apparatus. A. G. Horvath. 1,866,890; July 12.
Water softening apparatus and multiway valve for same. E. J. De Ville. 1,873,306; Aug. 23.
Water softening apparatus and process of softening water. J. N. and E. J. Lauterbur and H. L. Mintcheh. 1,885,454; Nov. 1.
Water softening materials, Apparatus for regenerating. J. A. Johnson. 1,867,572; July 19.
Water sprinkler. J. K. Harford. 1,865,906; July 5.
Water supply device for batteries. B. C. Lewis. 1,863,203; June 14.
Water supply device, Hot. J. J. Parkinson. 1,856,504; May 3.
Water supply regulator. L. M. Persons. 1,874,611; Aug. 30.
Water system, Fresh. H. M. Keith. 1,855,110; Apr. 19.
Water tank, Siphon. E. H. Lichtenberg. 1,869,903; Aug. 2.
Water to boilers, Method of and apparatus for feeding. J. Kissick. 1,883,950; Oct. 25.
Water, Treating. N. K. Chaney. 1,890,969; Dec. 13.
Water, Treating. R. B. Derr. 1,870,404; Aug. 9.
Water treating and storage apparatus. B. S. Snow. 1,864,866; June 28.
Water treating device. R. O. Friend and J. A. Montgomery. 1,891,061; Dec. 13.
Water tube boiler. C. A. Barnes. 1,842,235; Jan. 19.
Water tube boiler. P. R. Cassidy. 1,840,011; Jan. 12.
Water tube boiler. G. H. Daniels. 1,871,500; Aug. 16.
Water tube boiler. J. J. Hirzel. 1,855,933; Apr. 26.
Water tube boiler. H. S. Horsman. 1,882,845; Oct. 18.
Water tube boiler. W. D. Hoxie. 1,859,760; Jan 5.
Water tube boiler. A. Hunter. 1,851,842; Mar. 29.
Water tube boiler. I. L. Langvand and H. J. Kerr. 1,880,350; Oct. 4.
Water tube boiler. K. L. Martin. 1,854,947; Apr. 19.
Water tube boiler. L. Steinmüller. 1,878,908; Sept. 20.
Water tube boiler. B. B. Whittam. 1,859,857; May 24.
Water tube boiler. H. E. Yarrow. 1,888,153; Nov. 15.
Water tube boiler. H. E. Yarrow. 1,891,862; Dec. 20.
Water wave power device. A. Cesario. 1,844,636; Feb. 9.
Water waver. A. Golden. 1,878,842; Sept. 20.
Water well screen. E. L. Kelley. 1,869,754; Aug. 2.
Water wheel. A. S. Christensen. 1,846,086; Feb. 23.
Water wheel. P. H. Dorsch. 1,863,784; June 21.
Water wheel, Floating. A. Robbins. 1,863,550; June 14.
Water with boiler feed water, Proportioning blowdown. C. W. Rice. 1,868,444; July 19.
Water with ozone, Apparatus for purifying. J. M. Daily. 1,865,433; July 5.
Waterer, Poultry. C. A. Dunlevy. 1,883,631; Oct. 18.
Waterer, Poultry. H. Kratzer. 1,852,975; Apr. 5.
Watering fountain. H. M. Lemaster. 1,857,558; May 10.
Watering device. C. Hurtado. 1,890,608; Dec. 13.
Watering system for live stock. N. W. Dalton. 1,841,880; Jan. 19.
Waters, Treatment of waste. J. W. Schwab and C. E. Butterworth. 1,851,987; Apr. 5.
Watthour meter, Stroboscopic. H. P. Sparkes. 1,864,677; June 28.
Watthour meter testing device. S. Aronoff. 1,878,658; Sept. 20.
Wave adapter, Short. E. T. Flewelling. 1,851,354; Mar. 29.
Wave-amplifying repeater, Magnetic. E. Peterson. 1,884,844; Oct. 25.
Wave apparatus. B. L. Steele. 1,883,059; Oct. 18.
Wave appliance, Permanent. M. M. Frankel. 1,848,706; Mar. 8.
Wave comb. N. Fulton. 1,841,471; Jan. 19.
Wave communication system. R. C. Mathes. 1,841,142; Jan. 12.
Wave energy in space, Apparatus for the reception and transmission of. H. Hecht and W. Rudolph. 1,863,716; June 21.
Wave energy translating diaphragm and mounting it. E. H. Smythe. 1,857,794; May 10.
Wave fronts over circuits, Measuring time of propagation of. J. Herman. 1,844,887; Feb. 9.
Wave modulation and application thereof. E. T. Burton. 1,847,079; Mar. 1.
Wave motor. R. S. Blair. 1,868,087; July 19.
Wave motor. J. A. Lockfaw. 1,887,316; Nov. 8.
Wave motor. H. Tidwell. 1,867,190; July 19.
Wave signaling system. G. Priechenfried. 1,876,163; Sept. 6.
Wave signaling system. J. Robinson. 1,889,293; Nov. 29.
Wave signaling system, Electric. W. A. Marrison. 1,847,190; Mar. 1.
Wave transmission device. R. L. Wegel. 1,852,795; Apr. 5.
Wave transmission device, Mechanical. E. K. Sandeman. 1,861,641; Mar. 15.
Wave transmission, Electric. A. G. Ganz. 1,874,492; Aug. 30.
Wave transmission. Short. N. von Korschenewsky. 1,841,654; Jan. 19.
Waver. R. Ehrlich. 1,855,755; Apr. 26.
Waver. R. Ehrlich. 1,863,593; June 21.
Waves of an order of one meter and one decimeter, Receiving. F. Schröter. 1,866,271; July 5.
Waving apparatus, Permanent. G. E. Bjorkman and J. Geloso. 1,879,653; Sept. 27.

Waving apparatus, Permanent. S. and A. Cefalu. 1,850,789; Mar. 22.
Waving hair and apparatus therefor, Permanently. R. Castella and J. Nantua. 1,866,396; July 5.
Wax and candle, Colored. T. H. Rogers. 1,882,935; Oct. 18.
Wax and similar vegetable waxes, Refining carnauba. F. Zschoch and H. Rodrian. 1,842,902; Jan. 19.
Wax carbon spots on sheets of paper by impression, Apparatus for producing. G. A. Rutkoskic. 1,860,957; May 31.
Wax containing composition. J. D. Lindsay. 1,871,187; Aug. 9.
Wax distributing means. E. V. Treleven. 1,876,797; Sept. 13.
Wax, Electroplating of. F. G. Morehouse. 1,884,110; Oct. 25.
Wax from hydrocarbon oils, Removal of. H. A. Lowery. 1,888,344; Nov. 1.
Wax from oil, Removal of. S. R. Funsten and I. M. Perkins. 1,857,370; May 10.
Wax from oil, Removal of. J. E. Schott. 1,857,404; May 10.
Wax from oil, Separating. V. Voorhees. 1,862,874; June 14.
Wax from oils, Recovery of. G. D. Graves. 1,871,172; Aug. 9.
Wax, Separation and purification of. C. J. Livingstone. 1,848,636; Mar. 8.
Wax sweating. G. Peterkin, jr. and L. B. Smith. 1,841,846; Jan. 19.
Wax sweating plant. H. L. Allan. 1,859,376; May 24.
Waxer and polisher, Floor. Woods. 1,875,970; Sept. 6.
Waxer and polisher, Floor. D. Durham. 1,885,997; Nov. 1
Waxes, Decomposition of. E. Liese. 1,878,940; Sept. 20.
Waxing machine, Surface. C. E. Woods. 1,854,638; Apr. 19.
Weapon. D. Dorph. 1,839,870; Jan. 5.
Weapon, Concealed. E. Carlstrom. 1,863,563; June 21.
Wear compensating bolt. G. C. Monckmeier. 1,859,045; May 17.
Wear-plate for shoe-heels and the like. L. Weinstein. 1,891,515; Dec. 20.
Wear preventer. C. A. Lamb. 1,854,339; Apr. 19.
Wear preventer. O. R. Radford. 1,861,815; June 7.
Wear preventer for drill pipe. C. Lamb, D. R. Radford and C. H. Riley. 1,889,806; Dec. 6.
Wear preventer, Pipe-piece. D. R. Radford and C. Lamb. 1,881,131; Oct. 4.
Wear resistant qualities of a body, Improving the. J. A Zublin. 1,853,339; Apr. 26.
Weatherproofing structure for windows. D. H. Harnly 1,851,904; Mar. 29.
Weather strip. H. Barringer. 1,846,176; Feb. 23.
Weatherstrip. J. E. Basham. 1,879,026; Sept. 27.
Weatherstrip. E. R. Classon. 1,873,546; Aug. 23.
Weather strip. W. J. Dennis. 1,883,608; Oct. 18.
Weather strip. F. Julien. 1,844,254; Feb. 9.
Weather strip. F. Reese. 1,875,656; Sept. 6.
Weatherstrip. J. A. and G. E. Tremblay. 1,888,299; Nov. 22.
Weather strip. S. Westerheim. 1,844,196; Feb. 9.
Weather strip and making the same. W. A. Smith. 1,861,985; June 7.
Weatherstrip attachment for doors. H. M. Reynolds. 1,861,612; June 7.
Weather strip, Automatic. F. Evans. 1,888,115; Nov. 15.
Weatherstrip for bottom of doors and inswinging windows. C. F. Meyers. 1,845,320; Feb. 16.
Weatherstrip for sliding closures. H. B. Foresman. 1,861,894; June 28.
Weather strip for vehicle windshields. A. T. Potter. 1,852,675; Apr. 5.
Weatherstrip for windows. P. Friciola. 1,855,954; Apr. 26.
Weatherstrip for windows or doors. S. J. Nolan. 1,883,815; Oct. 21.
Weatherstrip, Metal. W. J. Dennis. 1,865,746; July 5.
Weatherstrip, Metal. A. M. Lane. 1,875,173; Aug. 30.
Weatherstrip, Metal. G. F. Wolff. 1,842,440; Jan. 26.
Weatherstrip structure. McR. Green. 1,862,534; June 14.
Weather stripping for freight car sidings. A. Thune. 1,863,231; June 14.
Weather stripping for metal sashes. H. Lamping. 1,879,340; Sept. 27.
Weather stripping for windows, Absorbent. H. Bianco. 1,855,845; Apr. 12.
Weaving apparatus. M. C. H. O. Lecoco. 1,862,962; June 14.
Weaving mechanism. D. C. Churchill. 1,858,482; May 17.
Weaving ring. A. L. Hansen. 1,872,281; Aug. 16.
Web change device. H. A. W. Wood. 1,843,469–70; Feb. 2.
Web controlling apparatus. E. J. Smith. 1,860,962; May 31.
Web controlling apparatus. E. J. Smith. 1,890,267; Dec. 6.
Web controlling apparatus. H. A. W. Wood. 1,853,292; Apr. 12.
Web cutting and folding mechanism. F. Schippers and A. Weis. 1,852,588; Apr. 5.
Web fed gravure press. C. J. MacArthur. 1,855,525; Apr. 26.
Web-feeding and cutting machine. H. A. Sévigné. 1,872,513; Aug. 16.
Web feeding and slitting mechanism. H. A. W. Wood. 1,870,545; Aug. 9.
Web folding mechanism. L. Jensen and F. C. Reucker. 1,852,655; Apr. 5.
Web handling apparatus. A. Isherwood. 1,853,975; Apr. 12.
Web moistening device. H. A. W. Wood. 1,873,232; Aug. 23.
Web pasting mechanism. G. E. Pancoast. 1,868,117; July 19.
Web positioning mechanism. C. J. Rowe. 1,857,214; May 10.
Web printing machines, Associating mechanism for. A. M. Zuckerman. 1,856,307; May 3.
Web roll controlling mechanism. A. J. Horton. 1,885,351; Nov. 1.
Web roll supporting and controlling mechanism. H. Lang. 1,869,569; Aug. 2.
Web roll supporting mechanism. C. S. Crafts. 1,869,545; Aug. 2.
Web roll supporting mechanism. C. S. Crafts. 1,874,904; Aug. 30.
Web roll supporting mechanism. H. Lang. 1,869,570; Aug. 2.
Web severing device, Pneumatic. O. C. Roesen. 1,878,184; Sept. 20.
Web shearing apparatus. E. Huff. 1,867,884; July 19.
Web splicing device. I. Tornberg. 1,843,492; Feb. 2.
Web splicing device. H. A. Wood. 1,843,472; Feb. 2.
Web splicing device, Quick change. H. A. W. Wood. 1,891,965; Dec. 27.
Web tension device. A. J. Cline. 1,868,310; July 19.
Web tensioning and controlling mechanism for printing machines and the like. H. Taylor and W. Gibson. 1,879,591; Sept. 27.
Web tensioning apparatus. T. E. Pythian. 1,869,614; Aug. 2.
Web tensioning device. J. A. Hollander. 1,839,678; Jan. 5.
Web threading device for rotary printing machines. C. G. Quick and R. W. Chiles. 1,861,609; June 7.
Web variations, Apparatus for indicating and controlling. F. Wierk. 1,886,808; Nov. 8.
Webbing. F. J. Zimmerer, jr. Des. 87,887; Oct. 4.
Webs, cloths, and fabrics, Impregnating. E. Schnabel and F. A. W. Kühne. 1,872,065; Apr. 5.
Webs from fibrous materials, Process and apparatus for preparing. E. F. Sundström and K. E. Stéen. 1,870,971; Aug. 9.
Webs from the carding engines into fine rovings for spinning, Converting the. G. C. Laurency. 1,885,271; Nov. 1.
Webs, Manufacture of bituminized fibrous. G. A. Richter and H. A. Chase. 1,888,772; Nov. 22.
Webs of paper to a rotary printing press, Mechanism for supplying. A. J. Horton. 1,885,262; Nov. 1.
Webs of thin cellulose sheets, Drying long. C. H. von Hoessle and O. M. Schade. 1,890,833; Dec. 13.
Webs or flexible material, Slitting. J. A. Cameron. 1,865,302; June 28.
Webs, strips, films or sheets as manufactured from cellulose products, Apparatus for drying. E. Bielbler. 1,890,568; Dec. 13.
Wedding ring. F. G. Dahlin. Des. 86,355; Mar. 1.
Wedge. F. E. L. Trimbach, P. Robin, and G. Steinmetz. 1,871,481; Aug. 16.
Wedge clamp. H. E. Priem. 1,866,484; July 5.
Wedge, Exploding. R. B. Hutchison. 1,882,617; Oct. 11.
Wedge, Fixture supporting. D. L. Jones. 1,857,050; May 3.
Weed cutter. T. J. Flack. 1,878,689; Sept. 20.
Weed destroyer. W. Wood. 1,843,187; Feb. 2.
Weed exterminator. O. L. Falk. 1,842,903; Jan. 26.
Weed exterminator. L. R. Oakes. 1,890,301; Dec. 6.
Weed extractor. A. Geibel. 1,876,907; Sept. 13.
Weed or vermin killing device. A. C. Arens. 1,861,254; May 31.
Weed puller. A. Davison. 1,857,500; May 10.
Weed puller. F. R. Emery. 1,855,477; Apr. 26.
Weed pulling device. J. W. Meikell. 1,867,086; July 12.
Weed skinner. O. Hartsock. 1,845,411; Feb. 16.
Weeder. H. R. Bowman. 1,855,820; Apr. 26.
Weeder, Lawn. G. A. Holt. 1,882,423; Oct. 11.
Weeder, Rod. D. Johansen. 1,854,902; Apr. 19.
Weeder, Rod. A. E. W. Johnson. 1,854,904; Apr. 19.
Weeder, Rod. C. E. Moody. 1,871,192; Aug. 9.
Weeder, Rod. W. Swanson. 1,854,903; Apr. 19.
Weeder tooth and mount. S. L. Hall. 1,840,899; Jan. 12.
Weeding machine. W. O. Nelson and S. O. Brune. 1,861,906; Jan. 10.
Weft detecting mechanism. O. V. Payne. 1,863,872; June 21.
Weft-arresting mechanism for loom shuttles. E. R. Holmes. 1,872,952; Aug. 23.
Weft end controller for automatic looms and bobbins therefor. W. H. Wakefield. 1,873,166; Aug. 23.
Weft replenishing mechanism, Multicolor. W. M. Wattle. 1,856,178; May 3.
Weigher, Automatic feed. C. Decker. 1,867,442; July 12.
Weighing. E. Karrer. 1,885,356; Nov. 1.
Weighing and measuring device, Electrical. E. B. Ilyus. 1,889,663; Nov. 29.

Weighing and sacking machine. A. Trovaton. 1,849,256; Mar. 15.
Weighing and transporting device, Cereal. A. L. Domaica. 1,870,240; Aug. 9.
Weighing apparatus. J. F. De Iongh. 1,869,740; Aug. 2.
Weighing apparatus. J. H. De Iongh. 1,888,979; Nov. 29.
Weighing apparatus. W. H. Rees. 1,845,557; Feb. 16.
Weighing apparatus. W. H. Rees. 1,852,876; Apr. 5.
Weighing apparatus. W. H. Rees. 1,864,029; June 21.
Weighing apparatus. A. Van Duyn. 1,854,073; Apr. 19.
Weighing apparatus. A. Van Duyn. 1,858,795; May 17.
Weighing apparatus. J. W. Taylor. 1,875,953; Sept. 6.
Weighing apparatus. F. L. van Weenen. 1,872,851; Aug. 23.
Weighing apparatus, Automatic feed. E. Rumpf. 1,848,148; Feb. 23.
Weighing apparatus, Improvement relating to. W. Timson. 1,869,289; July 26.
Weighing apparatus with a load balancing lever. R. Joksch. 1,864,831; June 28.
Weighing, blending, conveying, elevating, and sifting machine. F. X. and E. J. Lauterbur. 1,861,803; June 7.
Weighing device. F. C. L. Boyer. 1,882,754; Oct. 18.
Weighing device. E. Sears. 1,855,446; July 5.
Weighing device, Automatic. W. R. McDonald. 1,848,583; Mar. 8.
Weighing device, Continuous. P. L. Butterfield. 1,876,396; Sept. 6.
Weighing device for use in travelling cranes. P. J. Armagnat. 1,868,683; July 26.
Weighing head for dynamometer apparatus. F. A. Fleischmann and A. Marth. 1,878,835; Sept. 20.
Weighing machine. G. B. Eggert. 1,853,967; Apr. 12.
Weighing machine. D. Finley. 1,869,370; Aug. 2.
Weighing machine. J. Hamilton. 1,851,001; Mar. 29.
Weighing machine. H. W. Hem. 1,880,446; Oct. 4.
Weighing machine. C. Peruzzini. 1,870,379; Aug. 9.
Weighing machine. R. C. Rae. 1,885,378; Nov. 1.
Weighing machine, Automatic. G. G. Merchen. 1,850,179; Mar. 22.
Weighing machine, Automatic. J. B. Van Deren. 1,881,152; Oct. 4.
Weighing sealing device. J. W. Bryce. 1,856,409; May 3.
Weighing, chain-poise variable. W. Heusser. 1,867,008; July 12.
Weight calculating machine. E. L. Thearle. 1,876,525; Sept. 6.
Weight for use in connection with cooking utensils, Pressure. F. B. Johnson. 1,844,509; Feb. 9.
Weight indicator. A. Schafer. 1,877,980; Sept. 20.
Weight printing attachment for scales. H. Cook. 1,880,314; Oct. 4.
Weight recorder, Exact. C. P. Hinman. 1,890,648; Dec. 13.
Weight recording machine. T. W. B. Watling. 1,866,871; July 12.
Weight sticker tube. T. E. Johnson. 1,844,285; Feb. 9.
Weld testing machine. G. Brown, O. E. Roach, and H. J. Peters. 1,851,345; Mar. 29.
Welder, Alternating current. H. Gronau. 1,874,508; Aug. 30.
Welder, Spot. M. L. Eckman. 1,869,188; July 26.
Welder's device. K. Hagan. 1,861,765; Nov. 1.
Welding. A. M. Candy. 1,844,498; Feb. 9.
Welding. A. G. de Golyer. 1,872,254-5; Aug. 16.
Welding. A. Reckis. 1,863,044; July 5.
Welding. G. A. Lutz. 1,865,529; July 5.
Welding. J. W. Meadowcroft. 1,861,970; June 7.
Welding. G. H. Phelps. 1,867,021; July 12.
Welding. R. Powis. 1,881,934; Oct. 11.
Welding. C. F. Schwennker. 1,884,295; Oct. 25.
Welding. E. L. Wiles. 1,884,457; Oct. 25.
Welding agent. A. Jaray. 1,876,846; Sept. 13.
Welding and brazing rod. N. S. Harrington. 1,852,847; Apr. 5.
Welding and cutting machine. L. H. Benoit. 1,887,670; Nov. 15.
Welding and soldering appliance. W. H. Righter. 1,873,000; Aug. 9.
Welding apparatus. V. J. Chapman. 1,851,563; Mar. 29.
Welding apparatus. V. J. Chapman. 1,860,172; May 24.
Welding apparatus. A. Churchward. 1,863,823; June 21.
Welding apparatus. A. Churchward. 1,882,063; Oct. 11.
Welding apparatus. A. Churchward. 1,887,496; Nov. 15.
Welding apparatus. G. M. Deming. 1,880,076; Sept. 27.
Welding apparatus. G. G. Ford. 1,884,644-5; Oct. 25.
Welding apparatus. A. R. Gross. 1,850,454; Mar. 22.
Welding apparatus. W. F. Heineman. 1,883,911; Oct. 25.
Welding apparatus. Le R. H. Hoffer. 1,865,519; July 5.
Welding apparatus. J. C. Lincoln. 1,869,013; July 26.
Welding apparatus. G. A. Lutz. 1,839,414; Nov. 29.
Welding apparatus. H. O. Rich. 1,839,500; Jan. 5.
Welding apparatus. C. L. Rowland. 1,876,762; Sept. 13.
Welding apparatus. R. C. Spaulding, V. Oldberg, and A. C. Born. 1,878,340; Sept. 20.
Welding apparatus. R. Stramitz. 1,862,125; June 7.
Welding apparatus. W. A. Walker. 1,878,558; Sept. 20.
Welding apparatus. H. E. White. 1,874,399; Aug. 30.
Welding apparatus. S. Whitworth and L. E. Long. 1,868,782; July 26.
Welding apparatus. J. F. Windsor. 1,884,465-6; Oct. 25.
Welding apparatus and method. L. H. Hoffer. 1,887,488; Nov. 15.
Welding apparatus and method. G. H. Phelps. 1,848,271; Mar. 8.
Welding apparatus, Arc. J. C. Lincoln. 1,869,015; July 26.
Welding apparatus, Electric. W. H. Gibb. 1,861,005; May 31.
Welding apparatus, Electric. E. S. Goodspeed. 1,853,609; Apr. 12.
Welding apparatus, Electric. W. R. Hume. 1,852,781; Apr. 5.
Welding apparatus, Electric. R. S. Osborne. 1,847,890; Mar. 1.
Welding, Apparatus for arc. H. J. Burnish. 1,872,241; Aug. 16.
Welding, Apparatus for electric. H. S. Holmes. 1,861,011; May 31.
Welding, Apparatus for electric arc. O. E. Uecker. 1,884,396; Oct. 25.
Welding apparatus, Portable. E. J. W. Ragsdale. 1,884,222; Oct. 25.
Welding, Arc. G. R. Brophy. 1,886,776; Nov. 8.
Welding, Autogenous. J. W. Meadowcroft. 1,845,029; Feb. 16.
Welding by means of a flashing electric arc, Butt. W. F. Heineman. 1,857,505; May 10.
Welding clamp. O. J. W. Lougheed. 1,881,761; Oct. 11.
Welding device. R. B. Weeks. 1,843,185; Feb. 2.
Welding device for mechanically-operated. E. Rosenberg. 1,869,079; July 26.
Welding, Electric. G. H. Koch. 1,877,767; Sept. 20.
Welding, Electric arc. V. J. Chapman. 1,886,524; Nov. 8.
Welding, Electric arc. L. J. Larson. 1,872,306; Aug. 16.
Welding, Electric arc. W. Richter. 1,872,008; Aug. 16.
Welding, Electric arc. A. Sirsenan. 1,883,988; July 26.
Welding, Electric flash. W. E. Crawford. 1,872,125; Aug. 16.
Welding, Electric sheet. C. G. Lloyd. 1,871,712; Aug. 16.
Welding generator. A. Churchward. 1,862,922; June 14.
Welding, Lap. G. A. Lutz. 1,865,530-1; July 5.
Welding machine. W. and J. F. Ferris and C. Luscomber. 1,892,208; Dec. 27.
Welding machine. A. F. Hanson. 1,879,217; Sept. 27.
Welding machine. F. C. Hasse and S. R. Oldham. 1,878,136; Sept. 20.
Welding machine. D. K. Hopkins. 1,877,874; Sept. 20.
Welding machine. G. A. Lutz. 1,865,532; July 5.
Welding machine. A. M. MacFarland. 1,875,066; Aug. 30.
Welding machine. J. D. McKiernan. 1,889,319; Nov. 29.
Welding machine. J. W. Meadowcroft. 1,884,066; Oct. 25.
Welding machine. V. Morrison. 1,890,792; Dec. 13.
Welding machine. C. C. Richard. 1,854,957; Apr. 19.
Welding machine. C. L. Rowland. 1,886,838; Nov. 8.
Welding machine. H. J. Von Henke. 1,880,535; Oct. 4.
Welding machine, Arc. G. H. Koch. 1,871,826; Aug. 9.
Welding machine, Automatic. G. Brückner. 1,850,126; Mar. 22.
Welding machine, Electric. E. J. von Henke. 1,853,101; Apr. 12.
Welding machine, Flash. E. Nilson, S. Malke, and E. O. Hochberg. 1,872,793; Aug. 23.
Welding machine for machine construction and the like. F. H. Mayoh. 1,867,979; July 19.
Welding machines, Feeding device for. S. Evans. 1,839,384; Jan. 5.
Welding means. E. W. Little. 1,889,677; Nov. 29.
Welding mechanism. S. C. Osborne. 1,840,735; Jan. 12.
Welding mechanism, Electric. C. C. Peck and M. R. Taylor. 1,884,826; Oct. 25.
Welding, Method of and apparatus for. J. C. Lincoln. 1,869,350; July 26.
Welding, Method of and apparatus for electric resistance. J. F. Lawson. 1,850,176; Mar. 22.
Welding of pressure vessels, Electric. H. O. Pollel. 1,873,905; Aug. 23.
Welding process. R. E. Frickey. 1,889,780; Dec. 6.
Welding rod. S. W. Miller. 1,873,847; Aug. 23.
Welding rod. F. H. Nulimeyer. 1,884,149; Oct. 25.
Welding-rod, etc. D. K. Crampton and H. L. Burghoff. 1,887,500; Nov. 15.
Welding rod for producing hard welds. C. Mott. 1,841,624; Jan. 19.
Welding terminal, Attachable. E. C. Kirk. 1,865,719; July 5.
Welding tubular articles, Electrically. W. F. Heineman. 1,886,237; July 5.
Welding tubular articles, Flash. W. F. Heineman. 1,886,256; July 5.
Well. G. Evans. 1,864,420; June 21.
Well and units for use therein. F. E. Horne. 1,860,180; May 24.
Well bit. J. C. Wright. 1,873,241; Aug. 23.
Well bottom. G. B. Schneider and E. S. Nowery. 1,869,352; July 26.
Well capper. H. Guedry. 1,860,711; May 31.
Well casing head. E. Burns. 1,845,396; Feb. 16.
Well casing joint. H. E. Lawrence and O. H. Crone. 1,881,717; Oct. 11.
Well casing protector. H. E. Dennie. 1,889,059-60; Nov. 28.
Well cementing device. R. C. Baker. 1,859,648; May 24.

Well cementing device. O. A. Mellin. 1,859,593; May 24.
Well closing apparatus. R. M. Burris. 1,874,889; Aug. 30.
Well digging apparatus. F. N. Stover. 1,868,400; July 19.
Well drill. D. C. Grove and J. C. Burus. 1,869,982; Aug. 2.
Well drill. J. D. Morrison. 1,862,629; June 14.
Well drill. F. L. Scott. 1,853,282; May 17.
Well drill. W. Sheldon. 1,856,229; May 3.
Well drill. J. C. Wright and L. F. Bonney. 1,862,814; June 14.
Well drill, Fast rotating. F. L. Scott and L. E. Garfield. 1,858,249; May 17.
Well drill, Pneumatic. P. Youngling. 1,866,335; July 5.
Well drilling and pumping apparatus. G. McConnell. 1,843,291; Feb. 2.
Well drilling apparatus. L. S. Hamer. 1,847,717; Mar. 1.
Well drilling apparatus. H. Pennington. 1,892,517; Dec. 27.
Well drilling apparatus. C. E. Reed. 1,867,531; July 12.
Well drilling apparatus. R. F. Simmons. 1,841,302; Jan. 12.
Well drilling apparatus. R. P. Simmons. 1,880,214; Oct. 4.
Well drilling apparatus. F. Stone. 1,883,070; Oct. 18.
Well drilling apparatus, Motor driven. R. P. Simmonds. 1,880,217; Oct. 4.
Well drilling apparatus, Percussive. R. P. Simmons. 1,866,943; July 12.
Well drilling apparatus, Pneumatic. M. C. Edmunds. 1,862,260; June 7.
Well drilling appliance. F. L. Le Bus. 1,871,536; Aug. 16.
Well drilling bit. G. G. Chalmers. 1,847,381; Mar. 1.
Well drilling bit. A. F. Powell. 1,854,624; Apr. 19.
Well drilling bit. J. C. Wright. 1,873,240; Aug. 23.
Well drilling mud mixer. I. C. Harris. 1,891,416; Dec. 20.
Well drilling structure. J. L. Sager. 1,891,062; Dec. 13.
Well elevator. J. Grant. 1,871,845; Aug. 16.
Well flowing device, Automatic. A. Boynton. 1,882,060; Oct. 11.
Well forming apparatus. R. P. Simmons. 1,875,357; Sept. 6.
Well holes, Apparatus for indicating angularity of crooked. W. W. Hester. 1,868,833; July 26.
Well holes, Method of and apparatus for determining inclination of. M. M. Kinley. 1,861,057; May 31.
Well housing apparatus. R. P. Simmons. 1,867,769; July 12.
Well plugging device. C. N. Wrighter. 1,840,379; Jan. 12.
Well point attachment. T. F. Moore. 1,854,344; Apr. 19.
Well pumping apparatus. F. Jackson. 1,880,321; Oct. 4.
Well pumping apparatus. R. Plotts. 1,842,685–6; Jan. 26.
Well pumping apparatus. H. F. Watkins. 1,883,153; Oct. 18.
Well pumping jack. B. G. Goble. 1,888,530; Nov. 22.
Well reamer. J. B. Triplett and W. H. Maxwell. 1,881,035; Oct. 4.
Well reamer, Expanding. J. Grant. 1,844,354; Feb. 9.
Well screen. F. E. Bell. 1,845,263; Feb. 16.
Well screen. O. A. Layne. 1,854,517; Apr. 19.
Well screen. C. E. Records. 1,886,121; Nov. 1.
Well screen. H. J. Watson. 1,845,897; Feb. 16.
Well screen. H. White. 1,839,284; Jan. 5.
Well sealing head. M. L. Vallendor and P. C. Fly. 1,869,345; July 26.
Well surveying device. W. E. Winn. 1,859,420; May 24.
Well tester. G. A. Humason. 1,875,006; Aug. 30.
Well testing. E. H. McHardie and N. T. Bradford. 1,847,885; Mar. 1.
Well testing apparatus. H. J. Hamm. 1,882,572; Oct. 11.
Well testing apparatus. S. Robe and S. V. Pugh. 1,844,979; Feb. 9.
Well testing device. G. V. Lewis. 1,870,634; Aug. 9.
Wells and the like, Drilling of oil. A. E. Atkinson. 1,859,490; May 24.
Wells, Apparatus and process for cementing. J. A. Hardcastle. 1,857,301; May 10.
Wells, Apparatus for cementing. R. H. Jackson. 1,849,190; Mar. 15.
Wells, Apparatus for flowing. E. L. Wheless. 1,867,639; July 12.
Wells, Apparatus for simultaneously controlling oil mine. L. Ranney. 1,884,858; Oct. 25.
Wells, Apparatus for surveying. A. G. H. Straatman. 1,887,917; Nov. 15.
Wells, Automatic stage lift flowing apparatus for. A. Boynton. 1,884,548; Oct. 25.
Wells, Cementing. C. E. Jackson and S. J. Ryan. 1,866,522; July 5.
Wells, Drilling. J. S. Abercrombie. 1,888,814; Nov. 22.
Wells, Facilitating the flow of. R. H. Carr. 1,891,667; Dec. 20.
Wells, Gas lift appliance for oil. S. H. Grinnell and A. C. Rubel. 1,852,717; Apr. 5.
Wells, Gas lift device for pumping. F. W. Harris. 1,845,149; Feb. 16.
Wells, Improved method of shooting. J. J. Grebe and N. Poffenberger. 1,856,912; May 3.
Wells, Method and apparatus for cementing. E. P. Halliburton. 1,860,669; May 31.
Wells, Method and apparatus for operating. R. H. Carr. 1,860,137; May 24.
Wells, Method and apparatus for surveying. R. H. Rogers. 1,851,774; Mar. 29.
Wells, Method and device for cementing oil. G. F. Johnson. 1,866,038; July 5.
Wells, Method of and apparatus for cementing. H. S. Smith. 1,839,709; Jan. 5.
Wells, Method of and apparatus for flowing. O. C. Dunn. 1,847,295; Mar. 1.
Wells, Method of and apparatus for installing mine. L. Ranney. 1,884,859; Oct. 25.
Wells, Method of and apparatus for shooting. G. Fox. 1,875,583; Sept. 6.
Wells out of control, Method and apparatus for extinguishing the flow of fluid in. F. B. Fowzer. 1,879,160; Sept. 27.
Wells, Testing and cleaning. F. C. Gault. 1,888,315; Nov. 22.
Wells, Testing open. G. H. Ennis. 1,889,889; Dec. 6.
Wells, Treatment of deep. J. J. Grebe and R. T. Sanford. 1,877,504; Sept. 13.
Welt and making same, Finishing. A. E. Davy. 1,879,121; Sept. 27.
Welt and making the same, Finishing. A. L. Howard. 1,879,258; Sept. 27.
Welt, Blindnail, concealed stitch. R. C. Schemmel. 1,861,322; May 31.
Welt closing mechanism for full fashioned knitting machines. H. F. Paget. 1,882,566; Oct. 11.
Welt, Finishing. A. L. Howard and J. Christie. 1,888,084; Nov. 15.
Welt, Finishing. R. C. Schemmel. 1,857,877; May 10.
Welt, Finishing. R. C. Schemmel. 1,869,080; July 26.
Welt for boots or shoes. M. Lyon. 1,864,311; June 21.
Welt strip. S. E. Payson. Des. 80,403; Mar. 1.
Welt tempering machine. H. Lyon. 1,848,960; Mar. 8.
Welt tempering mechanism. F. Ashworth. 1,866,003; July 5.
Welting and its manufacture. P. E. Barbour. 1,872,220; Aug. 16.
Welting and its manufacture. P. W. Greene. 1,881,509; Oct. 11.
Welting, Making cork. W. J. Fallon, jr. 1,854,183; Apr. 19.
Welts, Preventing post-winding. J. A. Cameron and R. M. Johnstone. 1,867,550; July 19.
Wet gas meter. H. Strandi and C. Marischka. 1,889,190; Nov. 29.
Wet machine for insulating board. J. A. Wiener and J. B. Harmon. 1,864,784; June 28.
Wetting agent. H. Bertsch. 1,883,860; Oct. 25.
Wetting and cleaning agents. F. Gunther, C. Schuster, and J. Hetzer. 1,853,414; Apr. 12.
Wetting and penetrating agent. C. R. McCullough and H. Booth. 1,845,309; Feb. 16.
Wetting and penetrating agents and preparing the same. C. O. Henke. 1,870,291; Aug. 9.
Wetting, cleaning and emulsifying agents. F. Gunther, C. Schuster, and J. Hetzer. 1,853,415; Apr. 12.
Wetting, cleansing, and emulsifying agent, making same. F. Münz, K. Keller and F. Günther. 1,867,022; July 12.
Wetting p.erations, Manufacture and use of new. H. Lier. 1,851,914; Mar. 29.
Wharf, Floating. A. Smith. 1,871,475; Aug. 16.
Wheel: *See*—
Aeroplane wheel.
Artillery steel wheel.
Assembler star wheel.
Automobile wheel.
Automotive demountable wheel.
Automotive wheel.
Auxiliary wheel.
Ball bearing wheel.
Buffing wheel.
Car wheel.
Cast wheel.
Caster wheel.
Change speed wheel.
Combination wheel.
Convertible wheel.
Cushion wheel.
Demountable wheel.
Disk wheel.
Display wheel.
Drawing wheel.
Elastic wheel.
Emery or abrading wheel.
Fan wheel.
Feed wheel.
Fifth wheel.
Gear wheel.
Grinding wheel.
Grip wheel.
Guard wheel.
Hand wheel.
Hydraulic wheel.
Leaning wheel.
Metal wheel.
Non-metallic wheel.
Pneumatic wheel.
Polishing wheel.
Rail car wheel.
Resilient wheel.
Saw guide wheel.
Sheet metal wheel.
Solid and pneumatic tired wheel.
Spring or resilient wheel.
Sprocket wheel.
Star wheel.
Steel wheel.
Steering wheel.
Tail wheel.
Track wheel.
Traction wheel.
Tractor wheel.
Truck wheel.
Vehicle wheel.
Water wheel.
Wind wheel.
Wire wheel.
Wheel. A. Codd. 1,887,544; Nov. 15.
Wheel. C. L. Eksergian and T. A. Davenport. Des. 88,511; Dec. 6.
Wheel. F. C. Frank. 1,856,095; May 3.
Wheel. F. C. Frank. 1,858,663; May 17.
Wheel. J. W. Lambert. 1,850,585; Mar. 22.
Wheel. T. Lord. 1,839,237; Jan. 5.
Wheel. T. S. Martinez. 1,842,532; Jan. 26.
Wheel. M. W. McConkey. 1,843,609; Feb. 2.
Wheel. A. H. Oelkers. 1,862,157; June 7.

Wheel. S. I. Prescott and F. J. Rummler. 1,867,095; July 12.
Wheel. E. M. T. Ryder. 1,891,336; Dec. 20.
Wheel. J. B. Strauss. 1,862,867; June 14.
Wheel. B. A. Van Wormer. 1,851,880; Mar. 29.
Wheel. G. Walther. 1,869,634–5; Aug. 2.
Wheel. J. J. White, jr. 1,850,430; Mar. 22.
Wheel. J. W. White. 1,839,818; Jan. 5.
Wheel. J. W. White. 1,868,781; July 26.
Wheel aligner for vehicles. F. H. Evans. 1,870,106; Aug. 2.
Wheel aligning device. J. C. Creagmile. 1,840,766; Jan. 12.
Wheel aligning device, Automobile. F. W. Howe. 1,886,019; Nov. 1.
Wheel aligning gauge. I. W. Munden. 1,850,212; Mar. 22.
Wheel alignment gauge. C. C. Bennett. 1,878,664; Sept. 20.
Wheel alignments, Device for testing. C. H. Phelps. 1,877,045; Sept. 13.
Wheel and axle. H. W. Sanford. 1,882,957; Oct. 18.
Wheel and axle assembly. A. H. Oelkers. 1,870,136; Aug. 2.
Wheel and axle structure. H. W. Sanford. 1,840,412; Jan. 12.
Wheel and gear puller. J. D. Langdon. 1,881,703; Oct. 11.
Wheel and guard attachment, Hand. A. F. O'Connor. 1,861,226; May 31.
Wheel and lock, Folding steering. A. Bolinas, jr. 1,847,209; Mar. 1.
Wheel and making the same. G. E. Smith. 1,853,583; Apr. 12.
Wheel and rim construction, Motor. P. M. Miller. 1,840,678; Jan. 12.
Wheel and wrench therefor. E. A. Nelson. 1,887,378; Nov. 8.
Wheel apparatus, Fifth. C. H. Martin. 1,863,120; June 14.
Wheel assembly, Baby carriage fifth. P. M. Schibrowski. 1,894,281; Oct. 20.
Wheel assembly machine. W. A. Cotes. 1,856,277; May 3.
Wheel attachment for cycles, Auxiliary. A. L. Hess. Re18,424; Apr. 12.
Wheel attachment for front wheel drive mechanisms. J. J. Livingston. 1,851,201; Oct. 4.
Wheel attachment, Vehicle. A. Feigelson. 1,850,866; May 3.
Wheel bodies to wheel hubs, Securing. W. N. Booth. 1,856,236; May 3.
Wheel bolt, Vehicle. R. Mooney. 1,863,496; June 14.
Wheel bolting machine. S. A. Herring. 1,861,529; June 7.
Wheel cap assembly, Steering. J. J. Punke. 1,876,165; Sept. 6.
Wheel carrier lock. Spare. J. H. Hunt. 1,843,423; Feb. 2.
Wheel dressing mechanism. J. Edgar. 1,892,388; Dec. 27.
Wheel construction. E. E. Einfeldt. 1,874,943; Aug. 30.
Wheel construction. F. Klentzer. 1,885,729; Nov. 1.
Wheel construction. H. L. Kraeft. 1,878,528; Sept. 20.
Wheel construction. G. B. Reed. 1,863,126; June 14.
Wheel construction, Fifth, A. C. Furman. 1,870,502; Aug. 9.
Wheel construction for plows, Rear. W. J. Verity. 1,865,598; July 5.
Wheel construction, Tandem. F. M. Reid. 1,877,970; Sept. 20.
Wheel construction, Vehicle. M. S. Sutton. 1,843,846; Feb. 2.
Wheel dresser. J. J. Manderscheid. 1,852,354; Apr. 5.
Wheel dresser, Grinding. J. A. Davenport. 1,867,939; July 19.
Wheel dresser, Grinding. H. H. Dovell. 1,878,763; Sept. 20.
Wheel dresser, Grinding. R. S. McConnell. 1,864,658; June 28.
Wheel drive mechanism for motor vehicles, Front. J. F. Livingood. 1,881,202; Oct. 4.
Wheel elevating device, Automatic collapsing. M. C. Pierce. 1,877,109; Aug. 9.
Wheel flange lubricator. W. B. Casey. 1,887,450; Nov. 8.
Wheel for aircraft, Propeller. L. M. Foster. 1,848,705; Mar. 8.
Wheel for aircraft, Tail. C. N. Monteith. 1,856,778; May 3.
Wheel for airplanes. J. Mozni. 1,844,100; Feb. 9.
Wheel for airplanes, Brake. M. Charles. 1,885,683; Nov. 1.
Wheel for anchor escapements, Escapement. U. Kohler. 1,867,947; July 19.
Wheel for artificial silk spinning machines, Godet. C. W. Lawser. 1,854,150; Apr. 12.
Wheel for demountable rims, Dual. A. M. Lofland. 1,861,187; May 31.
Wheel for filling machines, Feed. D. M. Hauger, J. E. Weaver, and W. G. Wolbert. 1,844,869; Feb. 9.
Wheel for generating electric current, Water. A. A. Sorenson. 1,855,425; Apr. 26.
Wheel for harrows, Spider. J. F. Rude. 1,845,936; Feb. 16.
Wheel for knitting machines, Trick. K. Howie. 1,851,839; Mar. 29.
Wheel for motor vehicles, Spare. M. Berliet. 1,846,580; Feb. 23.
Wheel for pneumatic tires. E. Ferrabino. 1,864,421; June 21.
Wheel for sash pulleys, Pulley. J. F. Seelbach. 1,886,431; Nov. 8.
Wheel for semitrailers, Automatic fifth. D. H. Davis. 1,862,112; June 7.
Wheel for vehicles. P. M. Miller. Des. 85,952; Jan. 5.
Wheel for vehicles, Pneumatic. M. R. Conigrave. 1,842,315; Jan. 19.
Wheel for vehicles, Resilient. M. Gralenski. 1,869,100; July 26.
Wheel, gear, and the like pulling device. H. W. Kulp and M. C. Dellinger. 1,866,654; July 12.
Wheel, Gear and the like pulling device. H. W. Kulp and M. C. Dellinger. 1,879,331; Sept. 27.
Wheel grip, Steering. H. G. Manning. 1,876,993; Sept. 13.
Wheel hub assembly, Wire. J. H. Hunt. 1,858,827; May 17.
Wheel inserts, Making steering. B. Bronson and E. R. Marbach. 1,869,333; July 26.
Wheel, lighting switch, Steering. J. M. Crawford. 1,871,780; Aug. 16.
Wheel lock. T. J. Benson. 1,863,235; June 14.
Wheel lock, Demountable. C. E. Jeffers. 1,881,624; Oct. 11.
Wheel lock, Vehicle. J. E. Dant. 1,859,130; May 17.
Wheel lug cleaning device. C. E. Webber. 1,840,070; Jan. 5.
Wheel lug, Traction. A. M. McGregor. 1,850,024; Mar. 15.
Wheel, Metal. E. C. Mogford and F. W. Burger. 1,854,416; Apr. 19.
Wheel nave construction, Vehicle. C. L. Eksergian. 1,883,525; Nov. 8.
Wheel or rim lock, Spare. E. B. Stone. 1,843,072; Jan. 26.
Wheel or tire lock, Spare. W. L. Hawkins. 1,854,137; Apr. 12.
Wheel parts, Securing demountable. E. A. Nelson. 1,883,935; Feb. 9.
Wheel positioning device, Master. H. A. Foothorap. 1,847,712; Mar. 1.
Wheel propeller and motor, Turbine. C. B. Strandgren. 1,885,640; Nov. 1.
Wheel puller. J. Bakos. 1,854,877; Apr. 19.
Wheel puller. A. L. Cornwell. Re18,556; Aug. 9.
Wheel puller. A. L. Cornwell. 1,858,238; May 17.
Wheel puller. E. Kendall. 1,889,965; Dec. 6.
Wheel puller. W. H. Odlum. 1,857,211; May 10.
Wheel puller. W. H. Odlum and E. H. Peterson. 1,857,211; May 10.
Wheel puller of the combination impact and compressor type. G. W. Grebenstein. 1,868,060; July 19.
Wheel rack. M. W. Gilden. 1,848,007; Mar. 1.
Wheel raising device, Vehicle. J. A. R. Dubroca. 1,855,949; Apr. 26.
Wheel structure. W. Nelson. 1,846,084; Feb. 23.
Wheel structure. G. E. Strandt. 1,857,746; May 10.
Wheel structure. J. W. Vandervoet. 1,860,001; May 24.
Wheel structure adapted for demountable rims. J. H. Hunt. 1,855,451; Apr. 26.
Wheel suspension for vehicles, Six. A. W. Harrison. 1,891,642; Dec. 20.
Wheel testing appliance, Vehicle. I. A. Weaver. 1,883,180; Oct. 18.
Wheel tread refacer. C. P. Kimmel. 1,857,457; May 10.
Wheel truing device, Abrasive. W. D. Bartlett and D. Kelleher. 1,849,344; Mar. 15.
Wheel with spacer rings, Dual disk. C. L. Eksergian. 1,883,641; Oct. 18.
Wheeled device. R. Porcello. 1,887,427; Nov. 8.
Wheeled machine. V. F. Baumgardner. 1,854,575; Apr. 19.
Wheels and other articles, Casting. W. M. Duncan. 1,869,079; May 17.
Wheels and wheel blanks formed thereby, Making. G. E. Smith. 1,843,906; Feb. 2.
Wheels, Apparatus for the assembly of wire. W. N. Booth. 1,864,355; June 21.
Wheels, Apparatus for truing grinding. T. Barish. 1,874,156; Aug. 30.
Wheels, Attachment for motor vehicle. E. Westbrook and G. E. Evans. 1,854,636; Apr. 19.
Wheels, Blanking apparatus for. G. E. Smith. 1,843,905; Feb. 2.
Wheels, Casting car. C. Cobb, jr. 1,871,586; Aug. 16.
Wheels for car brakes, Head. H. I. Wrigley. 1,872,052; Aug. 16.
Wheels, Forming. L. E. Waite. 1,853,479; Apr. 12.
Wheels from their axles, Device for removing. C. Reinheil. 1,879,883; Sept. 27.
Wheels in vehicles, Mounting. V. Lancia. 1,842,273; Jan. 19.
Wheels, Making. H. Z. Cobb. 1,870,986; Aug. 9.
Wheels, Making. G. E. Smith. 1,847,414; Mar. 1.
Wheels, Making disk. H. A. Greenwald. 1,865,185; June 28.
Wheels, Making molded. G. E. Smith and H. S. Morgan. 1,843,904; Feb. 2.
Wheels, Making pneumatic. A. J. Musselman. 1,875,390; Sept. 6.
Wheels, Making pneumatic tire. A. J. Musselman. 1,875,643; Sept. 6.

Wheels, Making steering. B. Bronson and E. R. Marbach. 1,869,332; July 26.
Wheels, Making steering. B. Bronson and E. R. Marbach. 1,869,334; July 26.
Wheels of motor vehicles, Nonslipping device for the. M. Berliet. 1,842,742; Jan. 26.
Wheels of road vehicles, Mounting the steered. F. J. Adams. 1,890,766; Dec. 13.
Wheels of vehicles, Attachment for the. G. A. Bennett. Des. 86,153; Feb. 9.
Wheels on motor road vehicles, Stowage of spare. C. D. Burney. 1,850,826; Mar. 22.
Wheels on a hub, Securing removable. A. J. Michelin. 1,889,837; Dec. 6.
Wheels to rims, Apparatus for welding. C. L. Eksergian. 1,869,804; Aug. 2.
Wheels, Traction means for vehicle. H. A. Johnston. 1,840,779; Jan. 12.
Whistle. S. Dressler. 1,856,625; May 3.
Whistle. O. A. Kindom. Des. 87,720; Sept. 6.
Whistle. J. H. Lehenev. Des. 87,966; Oct. 18.
Whistle and the like. A. L. Bridgham. 1,890,212; Dec. 6.
Whistle, Electrically operated. C. R. Ayers. 1,869,052; July 26.
Whistle, Signaling. H. J. Otto. 1,859,408; May 24.
Whistle, Toy. W. Miklaski. 1,852,334; Apr. 5.
Whistle, Visible. G. M. Marr and A. P. Marr. 1,867,165; July 12.
Whiting, Making by-product. J. W. Church. 1,862,176; June 7.
Whorl. O. W. Schaum. 1,851,686; Mar. 29.
Wick cleaner. P. Genurich. 1,864,489; June 21.
Wick for humidifiers. C. E. Dunn. 1,852,004; Apr. 5.
Wick lubricator. H. Kredel. 1,890,157; Dec. 6.
Wick oil burner. H. Reed. 1,846,084; Feb. 23.
Wicking machine. L. E. Anderson. 1,863,389; June 14.
Wicket structure, Armored cashier's. G. L. Willems. 1,865,105; June 28.
Wig, Adjustable. M. Jacoby and A. M. Zalkind. 1,853,976; Apr. 12.
Winch, variable load motor control system, and the like, Constant tension. M. B. Benson. 1,892,130; Dec. 27.
Wind indicator for aviators. F. M. Hurni. 1,879,267; Sept. 27.
Wind indicator for landing fields. A. De Weerd. 1,843,016; Jan. 26.
Wind instrument. R. J. Hathaway, jr. 1,857,908; May 10.
Windmill. J. J. Buchser. 1,855,220; Apr. 26.
Windmill and pump rod coupling. W. M. Lanspa. 1,869,253; May 24.
Windmill, Automatically lubricating. G. C. Baird. 1,891,863; Dec. 20.
Windmill construction. J. S. Baker. 1,884,511; Oct. 25.
Windmill control, Automatic. C. J. Potts. 1,861,027; May 31.
Wind motor. G. M. Beard. 1,877,622; Sept. 13.
Wind motor. L. Constantin and P. Fortier-Beaulieu. 1,887,802; Nov. 15.
Wind motor. J. A. Pinaud. 1,876,018; Sept. 6.
Wind motor. L. Royak. 1,844,796; Feb. 9.
Wind screen. A. De Fries. 1,849,176; Mar. 15.
Windscreen for vehicles. P. Lane and A. E. Lait. 1,872,468; Aug. 16.
Windscreen, Rear seat. R. P. E. Vinadey. 1,853,789; Apr. 12.
Windshield. J. Hartmann. 1,872,582; Aug. 16.
Windshield. O. L. Herron. 1,891,735; Dec. 20.
Windshield. V. D. Osborne. 1,846,434; Feb. 23.
Windshield. L. G. Yeaton. 1,850,439; Mar. 22.
Windshield, Airplane. H. A. Hicks. 1,862,143; June 7.
Windshield and cleaner structure, Combined. H. Hueber and C. Hueber. 1,866,812; Nov. 8.
Windshield and corner post construction, Automobile. J. D. Dyer. 1,875,227; Aug. 30.
Windshield attachment. L. Ribar. 1,890,864; Dec. 13.
Windshield, Auxiliary vehicle. J. E. Moore. 1,896,727; Sept. 13.
Windshield bracket. W. E. Laura. Des. 86,575; Mar. 22.
Windshield cleaner. E. C. Horton. 1,861,698; June 7.
Windshield cleaner. H. Hueber. 1,841,734; Jan. 19.
Windshield cleaner. H. Hueber. 1,886,956; Nov. 8.
Windshield cleaner. C. K. Knight. 1,844,127; Feb. 9.
Windshield cleaner. C. K. Knight. 1,848,356; Mar. 8.
Windshield cleaner. R. B. Noble. 1,854,758; Apr. 19.
Windshield cleaner. G. S. Weaver. 1,859,641; May 24.
Windshield cleaner. C. B. Williams. 1,868,783; July 26.
Windshield cleaner. G. W. Wilson, jr. 1,840,341; Jan. 12.
Windshield cleaner. J. D. Wilson and B. F. Pickett. 1,847,802; Mar. 1.
Windshield cleaner arm and blade, Attaching together a. E. B. Hall. 1,873,118; Aug. 30.
Windshield cleaner device. M. Romano and C. N. Colstad. 1,872,095; Aug. 16.
Windshield cleaner, Electric. C. B. Waters. 1,851,791; Mar. 29.
Windshield cleaner motor. W. Paulus. Des. 87,021; May 24.
Windshield cleaner motor, Self parking. H. Hueber. 1,840,233; Jan. 5.
Windshield cleaning apparatus. T. J. Smulski. 1,839,933; Jan. 5.
Windshield cleaning device. T. J. Smulski. 1,875,896; Sept. 6.
Windshield construction. W. E. Grimm. 1,883,721; Oct. 18.
Windshield defroster. H. C. Haag. 1,874,510; Aug. 30.
Windshield for closed motor cars. L. M. Harvey. 1,863,629; June 21.
Windshield for vehicles. W. H. Watlington. 1,891,128; Dec. 13.
Windshield frame. B. A. Obst. 1,857,602; May 10.
Windshield glasses and an implement used in the practice of the method, Renewing. R. Cloppert. 1,863,897; June 21.
Windshield heater. A. L. Bird. 1,876,389; Sept. 6.
Windshield heater. J. W. Cavanaugh. 1,865,675; July 5.
Windshield heater. L. G. Franzen. 1,848,337; Mar. 8.
Windshield heater. A. R. Greene. 1,870,726; Aug. 9.
Windshield heater. E. C. Horton and H. Hueber. 1,868,232; July 19.
Windshield heater. B. A. Knowles. 1,891,095; Dec. 13.
Windshield heater. J. R. Olsbel. 1,882,559; Oct. 11.
Windshield heater. M. and L. Zaiger. 1,852,399; Apr. 5.
Windshield heater, Electric. M. and L. Zaiger. 1,861,041; May 31.
Windshield holding device. I. H. Jones. 1,878,584; Sept. 20.
Windshield operator. A. T. Potter. 1,886,583; Nov. 8.
Windshield regulator. S. W. Nicholson. 1,848,639; Mar. 8.
Windshield screen. A. Holland and P. V. Moher. 1,888,038; Nov. 15.
Windshield screen, Automobile. J. A. Selby. 1,877,065; Sept. 13.
Windshield securing device. M. H. Toncray and J. W. Greig. 1,883,120; Oct. 18.
Windshield ventilator. P. B. Moore and B. Lewis. 1,849,947; Mar. 15.
Windshield wiper motor. E. Brumm. 1,853,758; Apr. 12.
Wind wheel. L. Larum. 1,880,143; Sept. 27.
Winder for weft bobbins. E. Zindel. 1,855,744; Apr. 26.
Winder shaft, Collapsible. G. R. Dubus. 1,891,147; Dec. 13.
Winding and reeling device. P. S. McCann. 1,857,817; May 10.
Winding and twisting machine. A. Schultz. 1,855,491; Apr. 26.
Winding apparatus. R. E. McFarland. 1,881,019; Oct. 4.
Winding device. D. C. Corner. 1,863,621; June 21.
Winding device. C. K. Dunlap. 1,845,833; Feb. 16.
Winding device. T. Waddell and L. D. Gore. 1,885,497; Nov. 1.
Winding device. F. Williams. 1,881,305; Oct. 4.
Winding device. J. C. Wymer. 1,870,158; Aug. 2.
Winding device for spinning toys. C. Arnold. 1,879,013; Sept. 27.
Winding device, Multiple. A. H. Cole. 1,862,333; June 7.
Winding for dynamo electric machines. C. M. Laffoon. 1,891,716; Dec. 20.
Winding for electrical apparatus. H. L. Cole, W. M. Dann, and R. L. Brown. 1,872,247; Aug. 16.
Winding for electrical machines. G. Ziegler. 1,889,940; Dec. 6.
Winding machine. D. G. Baker. 1,865,075; June 28.
Winding machine. C. K. Dunlap. 1,842,718; Jan. 26.
Winding machine. H. Dyson. 1,843,149; Feb. 2.
Winding machine. G. F. Eckstein. 1,875,861; Sept. 6.
Winding machine. E. L. Griffith. 1,881,183; Oct. 4.
Winding machine. M. Grout. 1,850,102; Mar. 22.
Winding machine. M. B. Grout. 1,864,194; June 21.
Winding machine. R. M. Heintz. 1,887,683; Nov. 15.
Winding machine. C. H. Jones. 1,882,500; Oct. 11.
Winding machine. O. I. Judelshon. 1,863,058; June 14.
Winding machine. G. W. Kierspe. 1,881,377; Oct. 4.
Winding machine. A. J. Rajotte. 1,855,986; Apr. 26.
Winding machine. F. J. Root. 1,849,093; Mar. 15.
Winding machine. I. R. Rowe. 1,859,844; May 24.
Winding machine. O. W. Schaum. 1,841,680; Jan. 19.
Winding machine. C. Schmidt. 1,877,777; Sept. 13.
Winding machine. F. D. Sprague. 1,886,063; Nov. 1.
Winding machine. J. A. Warren. 1,841,562; Jan. 19.
Winding machine, Coin. W. Schweiter. 1,886,593; Nov. 8.
Winding machine for rolling roofing paper. H. R. Wood. 1,861,374; May 31.
Winding machines, Tension regulating means for. R. G. Johnstone and R. J. S. Phillips. 1,891,766; Dec. 20.
Winding machines, Traversing means for. E. F. Parks. 1,863,280; June 14.
Winding mechanism. G. E. and J. G. Allen. 1,859,281; May 24.
Winding mechanism. G. F. Bahr. 1,885,885; Nov. 1.
Winding mechanism for clockwork, Electromagnetic. A. Szente. 1,839,356; Jan. 5.
Winding mechanism for photographic cameras, Combined shutter and film. R. W. Edwards. 1,879,141; Sept. 27.
Winding of threads and in apparatus therefor, H. Biddulph. 1,885,058; Oct. 25.
Winding, stranding, coiling, lapping or the like machine. J. H. Larmuth. 1,882,152; Oct. 11.
Windlass. W. R. Wuest. 1,866,282; July 5.
Windlass and the like, Electrically-operated. H. A. Peck. 1,869,223; July 26.
Window. N. T. Boyle and T. F. Slattery. 1,856,311; May 3.
Window. R. E. Frederick and W. E. Hill. 1,856,867; May 3.
Window. W. P. Godfrey. 1,858,149; May 10.

Window. E. L. Gonder. 1,856,158; May 3.
Window. E. A. Green. 1,860,245; May 24.
Window. A. Herman. 1,867,464; July 12.
Window. A. Kalla. 1,883,766; Nov. 22.
Window. R. B. Marschke. 1,855,806; Apr. 26.
Window. E. D. Ross. 1,851,293; Mar. 29.
Window. C. D. Rossbach. 1,875,662; Sept. 6.
Window. G. F. Ruehl. 1,891,840; Dec. 20.
Window. M. J. Tracy. 1,858,289; May 17.
Window. M. J. Tracy. 1,891,485; Dec. 20.
Window. J. L. Turner. 1,847,029; Feb. 23.
Window. H. T. Walton. 1,844,005; Apr. 12.
Window adjuster. F. A. Calkins. 1,846,989; Feb. 23.
Window and door frame. F. C. Andersen. 1,879,005; Sept. 27.
Window and door frame. F. C. Andersen and E. C. Swanson. 1,876,546; Sept. 13.
Window and frame, Interiorly swinging. J. Poock. 1,873,784; Aug. 23.
Window and hinge therefor, Casement. T. T. Chamberlain. 1,869,542; Aug. 2.
Window and screen, Storm. L. R. Synder. 1,845,206; Feb. 16.
Window and screen therefor, Cement. F. F. Haskell. 1,873,399; Aug. 23.
Window and the like. C. W. LeFebvre. 1,877,631; Sept 13.
Window and window sash construction. R. T. Axe. 1,885,216; Nov. 1.
Window assembly. G. Klein. 1,877,244; Sept. 13.
Window bar. W. A. Berry. 1,857,010; May 3.
Window bolt. W. A. Charlestream. 1,863,467; June 14.
Window, Bank. C. Hassey. 1,885,560; Nov. 1.
Window bracket. H. Borg. 1,853,062; Apr. 12.
Window, Casement. D. A. Lobell. 1,887,415; Nov. 8.
Window channel. W. S. Gaines, jr. 1,867,313; July 12.
Window channel. J. S. Reid. 1,867,175; July 12.
Window channel. C. P. Schlegel. 1,847,700; Mar. 1.
Window cleaner. J. D. Couture. 1,840,023; Jan. 5.
Window cleaner. W. Hagman. 1,849,494; Oct. 11.
Window cleaner. M. E. Keller. 1,840,201; Jan. 5.
Window cleaner's seat. R. Stalzer. 1,856,794; May 3.
Window cleaning apparatus. F. Sheinman. 1,891,360; Dec. 20.
Window cleaning device. S. Fleischman. 1,883,664; Oct. 18.
Window cleaning device. G. H. Truda and J. M. Wilde. 1,886,852; Nov. 8.
Window closing device. R. G. Collins. 1,885,183; Nov. 1.
Window construction. E. D. Barringer. 1,849,265; Mar. 15.
Window construction. C. G. Deckman. 1,854,785; Apr. 19.
Window construction. P. Grisel. 1,861,598; June 7.
Window construction. P. Hamelin. 1,862,397; June 7.
Window construction. G. H. Howenstein. 1,864,066; June 21.
Window construction. C. E. Julin. 1,886,105; Nov. 1.
Window construction. C. W. Kelly. 1,876,689; Sept. 13.
Window construction. E. J. Liebetrau. 1,870,335; Aug. 9.
Window construction. E. J. Liebetrau. 1,872,473; Aug. 16.
Window construction. E. J. Liebetrau. 1,881,738; Oct. 11.
Window construction. Z. C. Loebel. 1,872,309; Aug. 16.
Window construction. E. H. Lunken. 1,845,304; Feb. 16.
Window construction. C. Lyon. 1,856,104; May 3.
Window construction. N. P. Madsen and J. A. G. Jensen. 1,865,774; July 5.
Window construction. A. W. Menns. 1,862,757; June 14.
Window construction. S. P. Neuhausen. 1,854,419; Apr. 19.
Window construction. J. V. O'Connor. 1,882,088; Oct. 11.
Window construction. F. J. Plym. 1,845,984–5; Feb. 16.
Window construction. F. J. Plym. 1,853,927; Apr. 12.
Window construction. A. Serritella. 1,852,589; Apr. 5.
Window construction. F. F. J. Strackmeyer. 1,879,586; Sept. 27.
Window construction. C. F. Warrick. 1,853,389; Apr. 12.
Window construction. R. W. Yeckell. 1,876,625; Sept. 6.
Window construction, Airplane. J. M. Packer. 1,853,317; Apr. 12.
Window construction, Car. J. L. Drake. 1,860,084; May 24.
Window construction comprising radiator housing. A. C. Armstrong and A. G. Ilich. 1,882,719; Oct. 18.
Window construction for vehicle bodies, Rear quarter. J. Ledwinka. 1,861,967; June 7.
Window construction, Metallic. R. H. Bliss. 1,844,002; Feb. 9.
Window construction, Stern. W. F. Lahey and M. S. Lahey. 1,874,764; Aug. 30.
Window construction, Vehicle body. J. Ledwinka. 1,862,023; June 7.
Window construction, Weatherproof. S. Madsen. 1,869,760; Aug. 2.
Window construction with demountable stop. O. M. Edwards and R. T. Axe. 1,859,032; May 17.
Window control, Auto. R. McNutt. 1,864,048; June 21.
Window control means. S. Paul. 1,840,465; Jan. 12.
Window device. T. J. Pinnerty. 1,853,517; Apr. 12.
Window device. Tilting. S. I. Baer. 1,859,491; May 24.
Window display device. J. D. Futch. 1,865,182; June 28.
Window dressing accessory. J. L. Sullivan. 1,850,815; Mar. 22.
Window. Duplex safety. R. Monsch and F. H. Hibberd, jr. 1,886,968; Nov. 8.
Window engine frame. S. S. McIntyre. 1,867,707; July 19.
Window, Eye. J. L. Lufkin. 1,856,879; May 3.
Window for automobiles. F. Biggs. 1,856,060; Apr. 26.
Window for automobiles, airplanes, and street cars, etc., Safety. D. Baia. 1,842,004–5; Jan. 19.
Window for automobiles, Ventilating. O. M. Edwards. 1,859,080; May 17.
Window for motor vehicles, Ventilating side. O. M. Edwards. 1,859,051; May 17.
Window for moving vehicles, Wing. T. H. Butler. 1,846,842; Feb. 23.
Window frame. F. C. Anderson. 1,886,145; Nov. 1.
Window frame. H. G. Klopp. 1,871,618; Aug. 16.
Window frame. J. W. Rolle and F. M. Plath. 1,882,260; Oct. 11.
Window frame. J. B. Rowland and F. C. Andersen. 1,877,977; Sept. 20.
Window frame. R. Schoepke. 1,878,546; Sept. 20.
Window frame. W. W. Smith. 1,889,424; Nov. 29.
Window frame and sash therefor. L. F. Sullivan. 1,884,361; Oct. 25.
Window, Furnace observation. H. G. B. Mahon. 1,887,654; Nov. 15.
Window guide channel. C. J. McKinney. 1,876,519; Sept. 6.
Window jamb, casing, and blind stop construction. S. Madsen. 1,881,779; Oct. 11.
Window lock. R. Farley. 1,850,230; Mar. 22.
Window lock. L. Gaube. 1,862,568; June 14.
Window lock. C. Goll. 1,851,701; Mar. 29.
Window lock. V. Hannon. 1,841,890; Jan. 19.
Window lock. J. W. Kuhrt. 1,846,427; Feb. 23.
Window lock. S. F. Ragan. 1,881,944; Oct. 11.
Window lock, Automatic. L. C. and W. F. Hinderer. 1,849,508; Jan. 12.
Window lock, Casement. C. W. Brewer. 1,880,312; Oct. 4.
Window lock, Push button. L. C. and W. F. Hinderer. 1,877,177; Sept. 13.
Window lock, Ventilating. D. Jokubaitis. 1,870,332; Aug. 9.
Window locking device. G. Boden. 1,876,556; Sept. 13.
Window of the balance type, Sliding. S. E. Thomas. 1,851,879; Mar. 29.
Window opening and closing device, Storm. E. O. Branten and O. R. Harmer. 1,841,359; Jan. 19.
Window operating device. J. H. Davis. 1,874,465; Aug. 30.
Window operating device. H. E. Sipe. 1,882,304; Oct. 11.
Window operating means, Casement. H. C. Cone. 1,851,810; Mar. 29.
Window operating means, Transom. F. C. Garrison. 1,843,949; Feb. 9.
Window operating mechanism. C. W. Kelly. 1,863,486; June 14.
Window operator. C. W. Kelly. 1,856,256; May 3.
Window operator, Awning type. E. F. Wiley. 1,864,970; June 28.
Window operator, Underscreen. R. H. Hummert. 1,860,418; May 31.
Window or door screen. C. Allsbury. 1,842,573; Jan. 26.
Window pane, Sillca. J. H. Sullivan. 1,852,864; Apr. 5.
Window panel and forming the same, Sheet metal. G. L. Kelley. 1,879,302; Sept. 27.
Window reel, Double film. A. L. Adatte. 1,877,440; Sept. 13.
Window regulator. B. S. Floraday. 1,876,654; Sept. 13.
Window regulator. S. W. Nicholson. 1,884,139; Oct. 25.
Window regulator, Counter lift. A. Ackerman. 1,858,070; May 10.
Window safety device. F. Claus. 1,891,588; Dec. 20.
Window, Safety paying teller. M. L. Orr. 1,875,649; Sept. 6.
Window, Sash. J. B. Virga. 1,859,187; May 17.
Window sash lock. R. Schubert. 1,883,223; Nov. 29.
Window screen. J. S. Barnes and J. A. Sands. 1,847,746; Mar. 1.
Window screen. G. Boden. 1,844,087; Feb. 9.
Window screen. E. B. Feaster. 1,856,323; May 3.
Window screen. L. D. Herndon. 1,863,014; June 14.
Window screen. C. J. Jackson. 1,841,183; Jan. 12.
Window screen. Johnson. 1,858,221; May 10.
Window screen. L. Levi. 1,883,999; Oct. 25.
Window screen. H. R. Newell and W. L. Miller. 1,881,874; Oct. 11.
Window screen. A. G. Nordmarken. 1,841,549; Jan. 19.
Window screen. A. G. Nordmarken. 1,859,883; May 24.
Window screen. R. A. and G. H. Norquist. 1,885,756; Nov. 1.
Window screen. I. Renzetti. 1,844,599; Feb. 9.
Window screen. M. Salsberg. 1,877,597; Sept. 13.
Window screen. J. Schmidt. 1,879,534; Sept. 27.
Window screen. D. E. Shrauger. 1,848,498; Mar. 8.
Window screen. F. Vuchetich. 1,881,037; Oct. 4.
Window screen, Adjustable. M. E. Noyes. 1,852,670; Apr. 5.
Window screen and receptacle, Folding. W. H. Fassett. 1,845,653; Feb. 16.

Window screen, Automobile. E. J. Campbell. 1,850,864; Mar. 22.
Window screen, Automobile. W. I. Moulton. 1,866,983; July 12.
Window screen, Automobile. H. Thrune. 1,840,753; Jan. 12.
Window screen, Permanent. E. Kohlsaat. 1,859,209; May 17.
Window screen, Roller. W. W. Watson. 1,878,710; Sept. 20.
Window screen, Rolling. J. B. Petro. 1,843,731; Feb. 2.
Window sealing construction. C. G. Johnson. 1,864,355; June 7.
Window seat. G. Bolz. 1,864,118; June 21.
Window shade adjusting device. S. Jasgur. 1,868,463; July 19.
Window shade bracket. M. L. Bentz. 1,850,491; Mar. 22.
Window shade bracket. T. Griffiths. 1,878,773; Sept. 20.
Window, Ship's. W. L. Kruemer. 1,848,132; Mar. 8.
Window, Show. W. H. Mullins. 1,880,147; Sept. 27.
Window, Sliding. H. Neville and E. W. Cotter. 1,862,236; June 7.
Window, Sliding. F. J. Stuart. 1,867,776; July 19.
Window structure. A. T. Brennan. 1,860,988; May 31.
Window structure. J. C. Higgins. 1,841,124; Jan. 12.
Window structure and assembly thereof. C. H. Thordarson. 1,863,733; June 21.
Window structure, Automobile. R. W. Meatheringham. 1,881,478; Dec. 20.
Window structure, Metal. A. G. Siebenlist. 1,864,559; June 28.
Window structure, Metallic. A. L. Doering. 1,883,619; Oct. 18.
Window swinging means, Casement. D. J. Barker. 1,859,790; June 28.
Window, Tent. F. M. Powers. 1,888,014; Nov. 15.
Window, Vehicle. E. J. Pauli. 1,858,109; May 10.
Window, Vehicle. J. Stuart. 1,842,909; Jan. 26.
Window, Ventilating. J. B. Clay. 1,849,907; Mar. 15.
Window, Ventilating. H. V. Taylor. 1,876,365; Sept. 6.
Window ventilator. E. F. Johnson. 1,857,911; May 10.
Window ventilator. M. Marsa. 1,875,315; Sept. 6.
Window ventilator. S. H. Seward. 1,883,002; Oct. 18.
Window ventilator. A. W. Seyfried. Des. 87,982; Oct. 18.
Window, Vertically and laterally movable. E. J. Kirchoff. 1,844,427; Feb. 9.
Window washing device. F. J. McHugh. 1,841,835; Jan. 19.
Window, Watertight ship's. W. L. Kraemer. 1,872,976; Aug. 23.
Window, Weatherproof metal casement. F. S. Slater and A. J. Miller. 1,868,080; July 19.
Window, Weathertight ship's. W. L. Kraemer. 1,840,511; Jan. 12.
Windows, Automatic apparatus for shop. F. J. M. Prodhomme. 1,881,938; Oct. 11.
Windows of the vertically sliding type, Device for controlling. W. Young. 1,858,319; May 17.
Windows, Operator for. C. W. Kelly. 1,841,315; Jan. 12.
Windows, Operator for casement. T. Johnson. 1,841,188; Jan. 12.
Windows, windshields, etc., clear of moisture, Keeping. R. P. McNaught. 1,843,828; Feb. 2.
Windrowing machine. W. H. Worthington. 1,847,288; Mar. 1.
Wing. E. G. Koutos. 1,870,514; Aug. 9.
Wing brace arrangement for railroad spreaders. J. C. Forbes and A. W. Banton. 1,882,135; Oct. 11.
Wing, Collapsible. A. J. Roberts. 1,869,227; July 26.
Wing device for increasing the carrying capacity of aeroplane wings, Rotating. A. and G. Longo. 1,846,562; Feb. 23.
Wing for aircraft. J. B. Ice. 1,879,618; Sept. 27.
Wing for airships, Shutter. F. C. Krummel. 1,885,733; Nov. 1.
Wing operating mechanism for aircraft. S. Rokosz. 1,859,172; May 17.
Wing or airfoil for aircraft. E. B. Carns. 1,849,740; Mar. 15.
Wing, Ridless. T. P. Wright. 1,874,685; Aug. 30.
Wing shutter for motion picture machine. A. Kindelmann. 1,884,730; Oct. 25.
Wing structure. G. M. Bellanca. 1,850,823; Mar. 22.
Wing structure. G. M. Bellanca. 1,866,961; July 12.
Wing surface with automatically variable curvature. J. Gerin. 1,858,924; May 17.
Wing, Variable lift. R. A. Jumonville. 1,856,957; May 3.
Wings for airplanes, Auxiliary. N. J. Medvedeff. 1,872,163; Aug. 16.
Wings having a variable profile, Construction of flexible aeroplane. U. Antoni. 1,886,362; Nov. 8.
Wings of aircraft, Adjusting. G. T. R. Hill. 1,868,417; July 19.
Wiper. J. W. Anderson. 1,853,715; Apr. 12.
Wiper and heater, Combined windshield. A. C. Gentil. 1,860,281; May 24.
Wiper and record holder, Oil gauge. P. R. Bragg. 1,872,878; Aug. 23.
Wiper attachment. Windshield. J. A. Berdan. 1,888,370; Nov. 22.
Wiper, Automatic meter-lid operated. J. Rumpel. 1,890,414; Dec. 6.
Wiper blades, Apparatus and method for manufacturing windshield. J. W. Anderson. 1,888,843; Nov. 22.
Wiper device. G. L. Fuller and W. F. Breen. 1,868,794; July 26.
Wiper, Drafting pen. J. R. Parrish. 1,848,381; Mar. 8.
Wiper, Oil stick. F. M. Bouchard. 1,871,208; Aug. 9.
Wiper ring for reciprocating rods. A. H. Krugman. 1,851,946; Mar. 29.
Wiper, Rod. C. A. Luebler and M. A. Martin. 1,839,231; Jan. 5.
Wiper, Windscreen. W. Dudley. 1,846,588; Feb. 23.
Wiper, Windshield. R. Acerno. 1,865,188; June 28.
Wiper, Windshield. B. Ames. 1,840,007; Jan. 5.
Wiper, Windshield. R. A. Brazee. 1,845,782; Feb. 16.
Wiper, Windshield. D. D. Brush. 1,871,152; Aug. 9.
Wiper, Windshield. R. N. Colley. 1,857,042; May 3.
Wiper, Windshield. C. A. Dupuis. 1,849,915; Mar. 15.
Wiper, Windshield. H. J. Hart. 1,869,551; Aug. 2.
Wiper, Windshield. T. Farmer, jr. 1,866,700; July 12.
Wiper, Windshield. C. C. and C. W. Gentry. 1,885,710; Nov. 1.
Wiper, Windshield. C. A. and E. L. Gooley, jr. 1,873,118; Aug. 23.
Wiper, Windshield. O. P. Greenstreet. 1,881,182; Oct. 4.
Wiper, Windshield. F. J. Hardman. 1,871,987–8; Aug. 16.
Wiper, Windshield. J. J. Herlbauer and C. Gulotta. 1,888,665; Nov. 22.
Wiper, Windshield. H. Hueber and E. C. Horton. 1,851,416; Mar. 5.
Wiper, Windshield. W. H. Ketchledge and N. R. Wright. 1,874,758; Aug. 30.
Wiper, Windshield. D. and C. Kuskin. 1,847,091; Mar. 1.
Wiper, Windshield. L. Lunsford. 1,870,369; Aug. 9.
Wiper, Windshield. J. H. Mullen. 1,888,326; Nov. 22.
Wiper, Windshield. E. Reynolds. 1,864,618; June 28.
Wiper, Windshield. C. S. and C. C. Slingerland. 1,854,074; Apr. 12.
Wiper, Windshield. T. J. Smulski. 1,875,895; Sept. 6.
Wiper, Windshield. A. Wickstrom. 1,845,465; Feb. 16.
Wiper, Windshield. C. B. Williams. 1,857,419; May 10.
Wiper, Windshield. G. Winter. 1,860,971; May 31.
Wiper, Window. R. J. Spinks. 1,866,375; July 5.
Wiping device. W. and E. Prestwich. 1,866,862; July 12.
Wiping device for coated wire, Adjustable. H. McGinnis. 1,875,084; Aug. 30.
Wiping provision for grinding rolls. G. A. Vasel. 1,848,917; Mar. 8.
Wire anchor device, Guy. E. K. Cole. 1,857,434; May 10.
Wire and band dispensing machines. H. Harvey. 1,888,593; Nov. 22.
Wire and making same, Weatherproof. O. A. Frederickson. 1,890,253; Dec. 6.
Wire, Apparatus for heat treating. M. H. Gerry 3d, and C. J. Brooks. 1,858,398; May 17.
Wire applying mechanism for fourdrinier paper making machines. J. A. Wilkie. 1,860,303; May 24.
Wire arrangement in audions, Incandescent. S. Loewe. 1,839,323; Jan. 5.
Wire bending machine. F. Bergandi. 1,852,396; Apr. 5.
Wire bending mechanism. W. Dalheimer. 1,857,119; May 3.
Wire binding device. A. L. Currier. 1,854,983; Apr. 19.
Wire brace, Fence guard. W. G. Haehl. 1,892,572; Dec. 27.
Wire clamp. J. T. Wiley. 1,859,812; May 24.
Wire coil forming means. G. C. Burd and O. Bratz. 1,892,502; Dec. 27.
Wire coiling and forming machine. L. A. Shertzer. 1,883,032; June 21.
Wire connecting device. D. H. Bottrill. 1,888,945; Nov. 22.
Wire connection and making same. F. C. De Reamer. 1,888,850; Nov. 22.
Wire coupling, Electric train. C. C. Farmer. 1,880,957; Oct. 4.
Wire cutting machine and tension regulator therefor. C. Field. 1,886,663; Nov. 8.
Wire drawing apparatus. G. E. Stack. 1,844,099; Feb. 9.
Wire drawing machine. G. Najarian. 1,865,781; July 5.
Wire, Drop. O. V. Payne. 1,873,466; Aug. 23.
Wire extrusion press. Solder. C. C. Jacobson and J. Schweder. 1,881,278; Oct. 4.
Wire fabric. C. E. Pink. 1,880,474–5; Oct. 4.
Wire fabric, Chain link. A. A. G. Land. 1,890,224; Dec. 6.
Wire fabric, Mesh-sectioned. A. A. G. Land. 1,859,831; May 24.
Wire fabric, Triangular-mesh. A. A. G. Land. 1,847,771; Mar. 1.
Wire feeding attachement for wire stitching and other machines. R. E. Zorneitz. 1,855,163; Apr. 19.
Wire feeding device. W. B. Matheson. 1,842,554; Jan. 26.
Wire for bolt making machines, Handling and transporting. H. C. Ellison. 1,859,585; May 24.
Wire insulation. R. R. Evans. 1,870,990; Aug. 9.
Wire key for plaster and means to secure same to plaster board. J. S. Raynor. 1,878,180; Sept. 20.
Wire knotting machine. M. Nigro and A. C. Nigro. 1,873,461; Aug. 23.
Wire mesh fabric. A. A. G. Land. 1,891,992; Dec. 27.
Wire, Method and apparatus for coating. T. E. Jerabek. 1,884,713; Oct. 25.

Wire netting, Covering plaster carrying. C. Schroder, sr. 1,890,023 ; Dec. 6.
Wire or band gripping device. L. M. Harvey. 1,846,200 ; Feb. 23.
Wire or the like and apparatus therefor, Coating insulated. A. T. Candy, jr. 1,891,501 ; Dec. 20.
Wire, Pile. M. B. Behrman. 1,882,739 ; Oct. 18.
Wire pull for bottle caps. F. O'Neill, jr. 1,855,411 ; Apr. 26.
Wire puller. W. J. Stanton. 1,850,186 ; Mar. 22.
Wire reel. J. A. Boersen. 1,876,390 ; Sept. 6.
Wire reel box, Conductor. G. W. Walker. 1,846,536 ; Feb. 23.
Wire ring rolling machine. J. Cipko. 1,866,249 ; July 5.
Wire ropes and the like, Apparatus for manufacturing. G. Wild. 1,862,345 ; June 7.
Wire securing clip. J. M. Davidson. 1,848,515 ; Mar. 8.
Wire shaker, Pourdrinier. G. H. Kendall, E. W. Clem, G. A. Peterson, and J. W. Vedder. 1,844,580 ; Feb. 9.
Wire shaving machine. C. Field. 1,886,662 ; Nov. 8.
Wire spirals into the ring sleeves of snap rings, Device for the production and insertion of the. B. Forster. 1,887,885 ; Nov. 15.
Wire splicer. W. E. Cook. 1,854,782 ; Apr. 19.
Wire splicer. V. G. Wilkins. 1,848,038 ; Mar. 1.
Wire splicing device. O. W. Brenizer. 1,891,664 ; Dec. 20.
Wire splicing machine. A. W. Hightower. 1,887,375 ; Nov. 8.
Wire spooling machine. W. D. Pierson. 1,874,206 ; Aug. 30.
Wire spring making machine. C. H. Ziler. 1,863,916 ; June 21.
Wire stapling machine. R. E. Zeruneith. 1,855,162 ; Apr. 19.
Wire-stitching and stapling machines or like apparatus, Operating mechanism for. A. H. Maynard. 1,840,461 ; Jan. 12.
Wire stitching machine, Portable. H. R. Bliss and H. G. Allen. 1,855,178 ; Apr. 26.
Wire stitching machines, Spring toggle adjustment for. T. A. Gibson. 1,878,274 ; Sept. 20.
Wire straightener. C. D. Johnson. 1,844,579 ; Feb. 9.
Wire straightener. W. Wells. 1,847,454 ; Mar. 1.
Wire stringing device, Barbed. R. P. Schmidt. 1,852,939 ; Apr. 5.
Wire stripping machine. W. S. Rotherham. 1,882,947 ; Oct. 18.
Wire structure for electrically propelled carriages, Track and trolley. J. J. Smith and W. J. Smith. 1,858,118 ; May 10.
Wire support. L. E. Hendee. 1,858,045 ; May 10.
Wire suspension system. B. Asp. 1,858,870 ; May 17.
Wire tensioning mechanism, Round. H. Harvey. 1,866,705 ; July 12.
Wire through a furnace, Feeding a. W. C. Sutton. 1,856,444 ; May 3.
Wire, Tie. N. A. Ochiltree. 1,861,450 ; June 7.
Wire twister. J. A. Hall. 1,844,343 ; Feb. 9.
Wire twisting machine. J. G. Steele. 1,866,952 ; July 12.
Wire tying machine. H. Harvey. 1,868,141 ; July 19.
Wire unreeling and tensioning device. C. J. Keller, 1,873,422 ; Aug. 23.
Wire, Weatherproof. O. A. Frederickson. 1,890,254 ; Dec. 6.
Wire wheel. W. N. Booth. 1,839,629 ; Jan. 5.
Wire wheel. W. N. Booth. 1,844,458 ; Feb. 9.
Wire wheel. E. A. Nelson. 1,887,513 ; Nov. 15.
Wire working apparatus. W. Parker. 1,855,877 ; Apr. 12.
Wireless communication. F. Schröter. 1,875,165 ; Aug. 30.
Wireless receiving apparatus. J. L. Callahan. 1,882,772 ; Oct. 18.
Wireless receiving set. C. Bol, K. Posthumus, J. M. Unk, and C. H. Morel. 1,872,231 ; Aug. 16.
Wireless receiving system. N. Rittenhouse. 1,860,692 ; May 31.
Wireless receiving system. W. Van B. Roberts. 1,867,232 ; July 12.
Wireless signal. R. Herzog. 1,850,548 ; Mar. 22.
Wireless system. W. Scheppmann. 1,880,285 ; Oct. 4.
Wires, Apparatus for feeding. G. Müller and C. Weinmann. 1,887,416 ; Nov. 15.
Wires, Apparatus for straightening lead. J. M. van der Pool and H. Gooskens. 1,853,947 ; Apr. 12.
Wires, Joining. W. S. Hayford. 1,863,048 ; June 14.
Wires, Making pile. F. Pickard. 1,885,137 ; Nov. 1.
Wires, Manufacture of lead-in. K. Rolle. 1,842,631 ; Jan. 26.
Wires, Manufacture of metal covered copper. G. Masing. 1,857,600 ; May 10.
Wires together, Apparatus for twisting. A. B. F. G. Richardson. 1,853,227 ; Apr. 12.
Wiring device, Baseboard. H. Hubbell, jr. 1,857,378 ; May 10.
Wiring system. W. J. Shore. 1,840,536 ; Jan. 12.
Wiring terminal construction. P. D. Phillips. 1,857,398 ; May 10.
Wood and other polysaccharides, Degradation of. K. Fredenhagen and B. Helferich. 1,883,676–7 ; Oct. 18.
Wood and other vegetable substances, Impregnation of. W. Iwanowski and J. Turski. 1,881,617 ; Oct. 11.
Wood and wooden article produced thereby, Treating. N. F. Frigiola. 1,856,756 ; May 3.
Wood bending equipment. J. A. McAlister. 1,862,414 ; June 7.
Wood block flooring. W. Fetz. 1,843,024 ; Jan. 26.
Wood chips in pulp digesters, Device for distributing. B. F. Smith. 1,891,957 ; Dec. 27.
Wood, Composition for impregnating process and. H. C. Nielsen. 1,886,716 ; Nov. 8.
Wood composition, Producing an artificial. L. Vezekenyi. 1,875,187 ; Aug. 30.
Wood, Digesting. S. W. Prentiss. 1,892,409 ; Dec. 27.
Wood, Distilling. G. Egloff and H. P. Benner. 1,859,292 ; May 24.
Wood fiber products, Apparatus for making pressed. P. G. van Hildebrandt. 1,845,533 ; Feb. 16.
Wood fibers, Separating. G. H. Ellis. 1,850,832 ; Mar. 22.
Wood filler composition. E. T. Stille. 1,885,780 ; Nov. 1.
Wood finishes on metal and other surfaces, Reproducing natural. E. C. Loetscher. 1,867,576 ; July 19.
Wood for digestion by the bisulphite process, Preparing resinous. G. Rosen. 1,857,695 ; May 10.
Wood for the production of pulp, Treatment of. J. D. Rue, S. D. Wells, and F. G. Rawling. 1,859,845 ; May 24.
Wood heel machine. M. W. Howard. 1,881,595 ; Oct. 11.
Wood-heel machine. W. J. Shaw. 1,888,294 ; Nov. 22.
Wood, Method and apparatus for bending. F. C. Brandenburg. 1,873,276 ; Aug. 23.
Wood, Moisture indicating instrument for. C. G. Suits and M. E. Dunlap. 1,875,359 ; Sept. 6.
Wood, Opening-up resiniferous. H. Heinmann, E. Opfermann, L. Petersen, W. K. Ritterfeld and A. Bayerl. 1,840,162 ; Jan. 5.
Wood preservation. M. Engelmann and W. H. Tisdale. 1,874,260 ; Aug. 30.
Wood, Preserving. L. P. Curtin. 1,855,666 ; Apr. 26.
Wood, Preserving. M. Hagedorn and E. Gühring. 1,877,855 ; Sept. 20.
Wood products, Classifying. R. G. Bruce. 1,885,177 ; Nov. 1.
Wood products, Manufacture of pressed or filtered. F. L. Carson. 1,884,563 ; Oct. 25.
Wood pulp and making the same. J. D. Rue, S. D. Wells, and F. G. Rawling. 1,859,846 ; May 24.
Wood pulp, Apparatus for digesting. E. Morterud. 1,882,391 ; Oct. 11.
Wood pulp, etc., Manufacture of. L. Bradley and E. P. McKeefe. 1,842,712 ; Jan. 26.
Wood pulp, etc., Manufacture of. L. Bradley and E. P. McKeefe. 1,848,602 ; Mar. 8.
Wood pulp, etc., Production of. L. Bradley and E. P. McKeefe. 1,843,704 ; Feb. 2.
Wood pulp, Making. W. Brydges and S. C. Foster. 1,849,944 ; Feb. 23.
Wood pulp, Manufacture of. O. Kress. 1,867,626 ; July 19.
Wood pulp, Production of chemical. G. A. Richter. 1,849,334 ; Mar. 15.
Wood pulp, Treating mechanical. P. Klem. 1,865,768 ; July 5.
Wood resin, Vacuum distilling. I. Gubelmann and H. R. Lee. 1,846,681 ; Feb. 23.
Wood rosin, Refining. I. Gubelmann and C. O. Henke. 1,846,721 ; Feb. 23.
Wood, Splitting. M. M. Bernfeld. 1,870,190 ; Aug. 2.
Wood surfaces, Finishing. E. C. Loetscher. 1,875,055 ; Aug. 30.
Wood surfacing machine. G. Dzaman. 1,867,501 ; July 12.
Wood, Treating. F. J. Wiezevich. 1,892,658 ; Dec. 27.
Wood veneers, Joining thin. E. C. Loetscher. 1,875,056 ; Aug. 30.
Wood waste, Destructive distillation of. J. D. Howard. 1,845,917 ; Feb. 16.
Wood with phenol condensation products, Gluing. E. C. Loetscher. 1,891,402 ; Dec. 20.
Woodworking machine. G. L. Dannehower. 1,839,378 ; Jan. 5.
Woodworking machine. O. G. Edmond. 1,881,400 ; Oct. 4.
Woodworking machine. N. L. Gulliford. 1,892,051 ; Dec. 27.
Woodworking machine. M. Hutchinson. 1,841,032 ; Jan. 12.
Woodworking machine. M. Hutchinson. 1,855,520 ; Apr. 26.
Woodworking machine. W. Loeffler. 1,876,987 ; Sept. 13.
Woodworking machine. E. A. Rueger. 1,850,773 ; Mar. 29.
Woodworking machine. F. Schimmel. 1,839,599 ; Jan. 5.
Wood working machine. F. Schimmel. 1,867,895 ; July 19.
Woodworking machine. C. F. Vance. 1,871,637 ; Aug. 16.
Woodworking machine. L. Wieden. 1,852,387 ; Apr. 5.
Woodworking machine, Combination. C. R. Crump. 1,889,977 ; Dec. 6.
Woodworking machine, Combination. W. B. Long and F. C. Arey. 1,852,324 ; Apr. 5.
Woodworking machinery. G. Babare. 1,840,803 ; Jan. 12.
Woodworking machinery. C. G. Wilderson. 1,846,295 ; Feb. 23.
Wood-working machinery, Universal. D. Kimble. 1,867,269 ; July 12.
Woodworking machines, Knife grinder support for. L. T. Medholdt. 1,874,331 ; Aug. 30.
Wooden plank house. J. B. Een. 1,875,576 ; Sept. 6.

Woody materials to obtain fibers therefrom, Treating. L. A. Dils. 1,868,570; July 26.
Wool and making the same, Artificial. G. M. Rossati. 1,869,377; Nov. 29.
Wool, Cleaning. R. M. Greenleaf. 1,866,205; July 5.
Wool containing fabrics for dyeing purposes, Preparation of. R. Brauckmayer. 1,851,895; Mar. 29.
Wool, Impregnating. E. Schlierer. 1,846,908; Feb. 23.
Wool machine, Automatically lubricated and cleaned metal. C. Field. 1,866,666; Nov. 8.
Wool scouring water and treating same, Extracting neutral grease from. E. Mertens. 1,853,871; Apr. 12.
Wool, Treating slag. J. C. Carlin. 1,870,094; Aug. 2.
Work box. W. Gillooly and P. R. Chubbuck. 1,839,216; Jan. 5.
Work-driving device. P. Branigan. 1,849,539; Mar. 15.
Work feed control. R. Schnitzer. 1,851,134; Mar. 29.
Work feed mechanism. C. Christiansen. 1,880,803; Oct. 4.
Work feeding apparatus. G. W. Foster. 1,872,436; Aug. 16.
Work feeding device. J. M. Bacigalupi. 1,873,922; Aug. 23.
Work feeding device. D. C. Hughes. 1,862,894; June 14.
Work-feeding mechanism. J. De Koning. 1,854,610; Apr. 19.
Work forwarding system. F. D. Kinney. 1,850,151; Mar. 22.
Work gripper, Automatic. W. H. Bean. 1,869,654; Aug. 2.
Work-gripping means for well drilling apparatus. F. Stone. 1,865,274; Jun. 14.
Work handling device. W. W. Chewning. 1,858,432; May 17.
Work handling device. J. C. Hanna. 1,876,290; Sept. 6.
Work handling mechanism for machine tools. E. R. Smith and A. Shinkez. Re18,559; Aug. 9.
Workhead. W. J. Guild. 1,881,522; Oct. 11.
Workholder. F. T. Borden. 1,853,255; Apr. 12.
Work holder. J. Edgar. 1,869,413; Aug. 2.
Work holder for boring machines. T. H. Orr. 1,887,379; Nov. 8.
Workholder for sewing machines. D. H. Chason. 1,849,346; Mar. 15.
Workholder, Varnish selvaging. J. M. Prillaman and A. W. Shipwash. 1,859,983; May 24.
Workholding clamp. H. W. Mass. 1,841,196; Jan. 12.
Work-holding device, Quick operating. C. A. Fox. 1,851,041; Mar. 29.
Work holding means for turning machines. C. H. Landers. 1,853,977; Oct. 25.
Work holding mechanism. A. R. Golrick. 1,839,476; Jan. 5.
Work locating and guiding device. E. Hope and A. E. Richards. 1,859,513; May 24.
Work rest for material reducing machines. F. Thoma. 1,881,191; Oct. 4.
Work sizing. W. J. Bryant. 1,872,667; Aug. 23.
Work stand. L. C. Doyle. 1,844,275; Feb. 9.
Work support for machine tools. M. F. Lange. 1,864,046; June 21.
Work support for welding operations. R. W. Power. 1,873,731; Sept. 6.
Work supporting and decorating method and apparatus. G. von Webern and E. W. Hamant. 1,863,816; June 21.
Work supporting attachment for abrading machines. L. E. Woodsend. 1,868,266; July 19.
Work supporting attachment for proof presses. E. O. D., and F. R. Vandercook. 1,886,923; Nov. 8.
Work supporting device for shoe ornamenting machinery. B. W. Freeman. 1,875,720; Sept. 6.
Worktable and mount therefor. D. C. Klausmeyer. 1,870,343; Aug. 9.
Worktable for grinding machines. J. Bath. 1,880,673; Oct. 4.
Worm hob. N. Trbojevich. 1,863,512; June 14.
Worm making process. W. F. Zimmermann. 1,888,782; Nov. 22.
Worm wider motor. L. L. Foss. 1,891,306; Dec. 20.
Worms or cylindrical cams, Producing. J. G. Douglas. 1,870,325; Aug. 9.
Wound package. A. Wylie. 1,881,383; Oct. 4.
Woven fabric. L. F. Emery. 1,879,144; Sept. 27.
Woven fabric. W. S. Nutter. 1,845,721; Feb. 16.
Woven fabric. W. Vohs. 1,890,956; Dec. 13.
Woven wire clamp. G. O. and O. R. Spurgeon. 1,846,915; Feb. 23.
Wrapped box. J. S. Stokes. 1,867,864; Nov. 15.
Wrapper. W. Fairchild. 1,848,119; Mar. 8.
Wrapper. G. Wordingham. 1,863,216; June 14.
Wrapper, Broom. H. M. Hanson. 1,847,512; Mar. 1.
Wrapper head for article enveloping machines, Automatic. T. W. Alm. 1,875,974; Sept. 6.
Wrapper for expansible material. J. W. Clark. 1,846,585; Feb. 23.
Wrapper for expansible material. J. W. Clark. 1,846,949; Feb. 23.
Wrapper for packages. E. B. Allen and S. B. Howe. 1,869,127; July 26.
Wrapper for packages, bales, and the like. J. W. Clark. 1,846,584; Feb. 23.
Wrapper for sugar units and like articles. A. Dienst and J. J. Neuman. 1,882,124; Oct. 11.
Wrapper for use in hair waving processes. G. Comerford. 1,856,692; May 3.
Wrapper, Protective. J. T. Mackay. 1,869,313; July 26.
Wrapper tabbing mechanism. E. G. Rider. 1,857,260; May 10.
Wrapper, Transparent coin. M. H. McWhirter and A. G. Adair. 1,878,592; Sept. 20.
Wrapping and sealing apparatus. G. W. Brown. 1,840,222; Jan. 5.
Wrapping and sealing apparatus. G. J. Egenolf. 1,880,926; Oct. 4.
Wrapping, dressing, or similar article, Producing. S. Rosenblatt. 1,885,008; Oct. 25.
Wrapping machine. G. H. Bent. 1,883,229; Oct. 18.
Wrapping machine. S. Cooper. 1,865,084; June 28.
Wrapping machine. E. F. Cornock. 1,872,898; Aug. 23.
Wrapping machine. T. Daniels. 1,875,567; Sept. 6.
Wrapping machine. C. and H. H. Doering, G. Alstad, and B. Skoglund. 1,858,540; May 17.
Wrapping machine. F. Grover. 1,849,005; Mar. 8.
Wrapping machine. W. Lindsey. 1,860,365; May 31.
Wrapping machine. C. Littlefield. 1,839,567; Jan. 5.
Wrapping machine. W. E. Miller. 1,872,488; Aug. 16.
Wrapping machine. R. H. Oakes and J. R. Tindal. 1,870,345; Aug. 9.
Wrapping machine. E. L. Smith. 1,853,091; Apr. 12.
Wrapping machine. E. L. Smith. 1,873,960; Aug. 23.
Wrapping machine. E. L. Smith and F. B. Fuller. Re18,341; Jan. 26.
Wrapping machine. E. L. Smith and F. B. Fuller. 1,851,457; Mar. 29.
Wrapping machine, Automatically adjustable. R. A. Lanke. 1,841,609; Jan. 19.
Wrapping machine for bale ties. C. E. Johnson. 1,848,254; Mar. 8.
Wrapping machine or the like. A. G. Rose. 1,861,510; June 7.
Wrapping machine, Underfold. F. R. Schmitt. 1,851,295; Mar. 29.
Wrapping machines, Article feed for. F. R. Schmitt. 1,846,909; Feb. 23.
Wrapping machines, Automatic feed for. E. L. Smith. 1,870,658; Aug. 23.
Wrapping machines, Paper feed control for. T. Jensen. 1,892,275; Dec. 27.
Wrapping machines, Shuttle mechanism for. E. C. Taylor. 1,841,506; Jan. 19.
Wrapping or dressing, Surgical. S. Rosenblatt. 1,885,007; Oct. 25.
Wreath making. G. Pullets. 1,879,882; Sept. 27.
Wrecking implement. F. W. Johnson. 1,875,612; Sept. 6.
Wrench. See—
Adjustable wrench.
Binderbolt wrench.
Bottle cap wrench.
Cap wrench.
Combination wrench.
Cover wrench.
Crank shaft wrench.
Fuse wrench.
Impact wrench.
Jaw combination wrench.
Pipe wrench.
Ratchet wrench.
Roller wrench.
Safety wrench.
Socket wrench.
Spanner wrench.
Tap wrench.
Track wrench.
Valve wrench.
Vent plug wrench.
Wrench. P. Anderson. 1,846,880; Feb. 23.
Wrench. H. T. Brady. 1,847,642; Mar. 1.
Wrench. R. Butler. 1,851,562; Mar. 29.
Wrench. R. L. Cairncross and I. W. Masters. 1,847,640; Mar. 1.
Wrench. L. T. Carpenter. 1,860,012; May 24.
Wrench. L. A. Cornelius. 1,844,033; Feb. 9.
Wrench. H. E. Crain. 1,855,127; Apr. 19.
Wrench. E. W. Crocker. 1,852,075; Apr. 5.
Wrench. C. D. Cummings. 1,845,400; Feb. 16.
Wrench. J. Eifel. 1,862,817; June 14.
Wrench. S. N. Elliott. 1,858,278; May 24.
Wrench. M. W. Emmett. 1,870,326; Aug. 9.
Wrench. J. Erickson. 1,884,793; Nov. 22.
Wrench. A. K. Ersland. 1,877,710; Sept. 23.
Wrench. J. Harris. 1,847,959; Mar. 1.
Wrench. J. N. Johnson. 1,866,771; July 12.
Wrench. C. L. Maguire. 1,861,060; May 31.
Wrench. J. S. McKibbon. 1,872,780; Aug. 23.
Wrench. H. A. Mead. 1,885,616; Nov. 1.
Wrench. W. C. Meeks. 1,858,278; June 14.
Wrench. S. J. Nordstrom. 1,855,586; Apr. 26.
Wrench. P. Notariani. 1,875,648; Sept. 6.
Wrench. W. Pascoe. 1,870,206; May 24.
Wrench. W. R. Phillips, sr. 1,875,490; Sept. 6.
Wrench. H. J. Routson. 1,852,678; Apr. 5.
Wrench. C. Ruggeri. 1,886,907; Nov. 8.
Wrench. A. de Schebeko. 1,870,612; Aug. 9.
Wrench. H. A. Scisinger. 1,885,954; Nov. 1.
Wrench. E. A. Shook. 1,874,817; Aug. 30.
Wrench. J. Wesolik. 1,875,602; Sept. 6.
Wrench. H. K. Witherup. 1,840,685; Jan. 12.
Wrench and like hand tool. T. L. Fyffe. 1,868,892; July 26.
Wrench and wrench holder. W. C. Kress. 1,889,203; Nov. 29.
Wrench for automobile hub caps. W. A. Bishman and H. G. Lien. 1,872,392; Aug. 16.
Wrench for screw caps for jars and like containers. H. E. Layton. 1,890,908; Dec. 13.
Wrench for valve-seats and the like. A. A. Conklin. 1,851,421; Mar. 29.
Wrench rack. J. E. Whittaker. 1,862,447; June 7.
Wrench set unit. J. Kneler. 1,875,815; Sept. 6.

Wrench set unit. E. C. Koster. 1,877,466; Sept. 13.
Wrenches, Making. A. O. Brungardt. 1,862,001; June 7.
Wringer; See—
Clothes wringer. Mop wringer.
Electric safety clothes wringer.
Wringer. E. Engel. 1,872,625; Aug. 16.
Wringer. E. J. Schuda. 1,859,637; May 24.
Wringer. E. J. Schuda. 1,879,995; Sept. 27.
Wringer. A. A. Verndieke. Re18,436; Apr. 19.
Wringer and pail support, Mop. W. E. Rupp. 1,846,906; Feb. 23.
Wringer mechanism, Reversible swinging. G. More. 1,853,919; Apr. 12.
Wringers, Attachment for clothes. E. V. Heaford. 1,851,905; July 12.
Wringers, Safety release mechanism for. G. H. Jantz. 1,847,186–7; Mar. 1.
Wrist pin. O. Cox and O. C. Willis. Re18,604; Sept. 20.
Wrist pin. H. H. Franks. 1,853,727; Apr. 12.
Wrist pin. R. N. Steele. 1,887,964; Nov. 15.
Wrist pin puller, L. D. Baird. 1,840,852; Jan. 12.
Wrist-watch case. D. S. Ingraham. 1,856,389; May 3.
Wristlet, Golf tee holding. C. A. Glock. Des. 88,081; Oct. 25.
Writer's ring. G. C. Ray. 1,879,489; Sept. 27.
Writing adding machine. H. A. Foothorap. 1,847,429; Mar. 1.
Writing and drawing pad. H. Hahn. 1,891,414; Dec. 20.
Writing guiding machine. C. Marks and C. S. Bruder. 1,871,541; Aug. 16.
Writing instrument. L. B. Parsons. 1,879,456; Sept. 27.
Writing instrument. F. O. Putnam. 1,861,241; May 31.
Writing instrument, Fountain. F. Mah. 1,856,027; May 3.
X-ray apparatus. P. F. Cole. 1,887,801; Nov. 15.
X-ray apparatus. M. Morrison. 1,857,959; Aug. 9.
X-ray apparatus. J. B. Wantz. 1,866,141; July 5.
X-ray apparatus. J. B. Wantz. 1,876,437; Sept. 6.
X-ray apparatus. J. B. Wantz. 1,877,260; Sept. 13.
X-ray Bim Identification. M. Lozier and S. Herman. 1,840,908; Jan. 12.
X-ray method and means. T. H. Forde and N. W. Mellars. 1,881,448; Oct. 11.
X-ray screen. M. B. Evans. 1,846,515; Feb. 23.
X-ray screen, Revolving and stationary. M. Morrison. 1,874,977; Aug. 30.
X-ray shield. R. H. Wappler. 1,874,672; Aug. 30.
X-ray shielding device. S. Lapof. 1,854,942; Apr. 19.
X-ray system. H. F. Waite. 1,871,248; Aug. 9.
X-ray tube. A. Mutschellor and C. J. Larsen. 1,871,005; Aug. 9.
X-ray tube. T. H. Forde and N. M. Mellars. 1,876,049; Sept. 6.
X-ray tube. M. Morrison. 1,865,440; July 5.
X-ray unit, Dental. P. Russell. 1,877,690; Sept. 13.
X-rays, Methods of and apparatus for controlling the direction of. A. Mutscheller. 1,865,441; July 5.
Xanthate, Stabilization of cellulose. G. A. Richter and P. C. Scherer, jr. 1,880,041; Sept. 27.
Xanthates, Making. L. J. Christmann and D. W. Jayne, jr. 1,852,110; Apr. 5.
Xanthates, Tertiary. L. Rosenstein. 1,854,525; Apr. 19.
Yarn and making the same. W. Nenfeldt. 1,851,441; Mar. 29.
Yarn and making the same, Ornamental. M. J. Frank. 1,888,033; Nov. 15.
Yarn and method of making, Elastic. E. C. Hinchliff. 1,862,250; May 24.
Yarn. Apparatus for drying. W. N. Gere. 1,862,261; June 7.
Yarn, Apparatus for processing. W. C. Volk. 1,867,197; July 12.
Yarn, Apparatus for treating. A. H. Junkers. 1,854,040; Apr. 12.
Yarn carrier. G. Gastrich. 1,887,928; Nov. 15.
Yarn, Changer. G. D. Collar. 1,883,337; Oct. 18.
Yarn cleaner or slubber. E. C. Ripley. 1,853,930; Apr. 12.
Yarn, Cord and the like. A. Dorn. 1,854,120; Apr. 12.
Yarn, cord, thread, etc., and manufacturing same. D. A. Dom and W. J. Moeller. 1,854,119; Apr. 12.
Yarn, Cutting or clamping device. H. B. Aaronson. 1,883,320; Oct. 18.
Yarn detwisting and yarn treating system. A. E. Meyer. 1,891,435; Dec. 20.
Yarn dyeing and washing machines, Automatic time and valve controlling apparatus for. C. E. Bean. 1,850,124; Mar. 22.
Yarn furnisher. H. Swinglehurst. 1,867,635; July 19.
Yarn furnishing means for knitting machines. A. E. Page. 1,853,020; Apr. 5.
Yarn guide for upstroke twisters. B. D. Hubbard. 1,881,598; Oct. 11.
Yarn, Method and apparatus for dyeing. J. P. Garey and L. B. Hasbrouck. 1,841,024; Jan. 12.
Yarn, Method and apparatus for treating or moistening. E. P. Bachmann and W. H. Lasch. 1,850,047; Mar. 15.
Yarn, Method of and apparatus for winding. F. J. Williams and R. Robinson. 1,884,943; Oct. 25.
Yarn moistening and tensioning device. E. J. Berger. 1,848,078; Jan. 26.
Yarn moistening device. E. J. Berger. 1,883,494; Oct. 18.
Yarn or fiber cutting machine. J. F. Fullan. 1,890,095; Dec. 6.
Yarn, particularly artificial silk yarn, Artificial. A. Zart, A. Hartmann, and F. Hoelkeskamp. 1,867,298; July 12.
Yarn, Producing. J. L. Lobrke and H. H. Perry. 1,883,384; Oct. 18.
Yarn setting frame, Tuft. C. C. Alvord. 1,877,783; Sept. 20.
Yarn store, Device for forming a. A. H. Junkers. 1,849,983; Mar. 15.
Yarn stores, Device for forming. A. H. Junkers. 1,851,252; Mar. 29.
Yarn supporting, tensioning, and take up device. A. E. Stewart. 1,874,379; Aug. 30.
Yarn, Treating. J. P. Bult. 1,888,554; Nov. 22.
Yarn treatment. J. L. Bitter and R. Elssner. 1,867,609; July 19.
Yarn twisting device. J. A. Groves. 1,867,664; July 19.
Yarns after spinning, Treatment of artificial silk. F. J. Gahlert. 1,847,827; Mar. 1.
Yarns and filaments, After treatment of. K. T. Schaefer and J. L. Bitter. 1,875,299; Aug. 30.
Yarns, Dyeing textile. W. Whitehead. 1,871,486; Aug. 16.
Yarns, fabrics, films and the like, Treatment of. H. Dreyfus. 1,867,658; July 19.
Yarns on carriers for use in looms, Mechanism for and method of placing. P. Ferrara. 1,847,055; Feb. 23.
Yarns produced by the stretch spinning process, Artificial cellulose. A. Zart, A. Hartmann, and F. Hoelkeskamp. 1,867,297; July 12.
Yarns suitable for use in the production of fabrics therewith, Manufacture of. W. R. Allen. 1,877,488; Sept. 13.
Yeast, Growing. A. K. Epstein. 1,858,488; May 17.
Yeast, Manufacture of dry. R. Bertel. 1,859,250; May 17.
Yeast, Manufacturing. G. O. W. Heijkenskjold. 1,881,557; Oct. 11.
Yeast propagation, Controlling. S. Sak. 1,884,272; Oct. 25.
Yeast propagation controlling method. S. Sak. 1,891,841; Dec. 20.
Yoke. S. B. Haseltine. 1,873,708; Aug. 23.
Yoke. H. J. Lounsbury. 1,874,771; Aug. 30.
Yoke and terminal, Combination. A. H. Nero. 1,888,882; Nov. 22.
Yoke, collinar and cuff press. C. O. Reeps. 1,867,174; July 12.
Zeolite product. A. O. Jaeger and J. A. Bertsch. 1,840,450; Jan. 12.
Zinc aluminum anode for electrodeposition of zinc. A. K. Graham. 1,888,202; Nov. 15.
Zinc aluminum mercury anode for electrodeposition. G. B. Hogaboom. 1,887,804; Nov. 15.
Zinc and the like, Smelting. W. A. Ogg. 1,892,114; Dec. 27.
Zinc base die casting alloy. E. A. Anderson and G. L. Werley. Re18,600; Sept. 20.
Zinc compounds from ammoniacal solutions, Recovering. D. L. Ogden. 1,854,664; Apr. 19.
Zinc. Electrodeposition of. U. C. Tainton. 1,851,219; Mar. 29.
Zinc hydrocarbonate, Production of. H. Oehme. 1,866,775; July 12.
Zinc ores, Treating. B. W. Gonser. 1,883,235; Oct. 18.
Zinc ores, Treating. L. W. Lennox and H. S. Wildman. 1,863,234; Oct. 18.
Zinc oxide, Manufacture of hydrated. W. Seguine, jr., and A. T. Mertes. 1,863,700; June 21.
Zinc oxide, Method of and apparatus for producing. H. Reinhard. 1,842,287; Jan. 19.
Zinc oxide, Producing crude and fumed. F. A. Brinker. 1,877,122; Sept. 13.
Zinc products, Wrought. W. M. Peirce. 1,888,567; Nov. 22.
Zinc skimmings, Treating. K. V. B. Rossman. 1,851,130; Mar. 29.
Zinc solutions, Purification of. W. Seguine, jr. 1,856,731; May 3.
Zinc sulphate solutions, Manufacture of purified. P. Dutoit. 1,854,787; Apr. 19.
Zinc sulphide and manufacture thereof. E. C. Gaskill. 1,849,453; Mar. 15.
Zinc sulphide and the manufacture of zinc sulphide pigments, Precipitation of. N. C. Christensen. 1,886,185; Nov. 1.
Zinc sulphide ores, Roasting of. S. Robson. 1,862,828; June 14.
Zinc tin alloy, Plating. M. M. Thompson and J. C. Patten. 1,876,156; Sept. 6.
Zinc to tearing during rolling, Raising the resistance of. P. Nordan. 1,845,155; Feb. 16.
Zinc vapor, Condensing. E. H. Bunce. 1,873,861; Aug. 23.
Zinc vapors, Apparatus for the condensation of. E. H. Bunce. 1,848,461; Mar. 8.
Zinciferous material, Refining. W. G. Waring and G. H. Waring. 1,879,834; Sept. 27.
Zircon refractory. W. G. Bjorkstedt. 1,872,876; Aug. 23.
Zirconium, titanium, and hafnium, Separating. M. N. Rich. 1,856,264; May 3.

LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

Alloy. Alvah W. Clement. No. 1,865,091; date of patent Jan. 11, 1921; disclaimer filed Feb. 9, 1932; v. 416; p. 541.

Alloy. Alvah W. Clement. No. 1,865,091; date of patent Jan. 11, 1921; disclaimer filed Apr. 8, 1932; v. 418; p. 10.

Ammonia, Method for the direct synthesis of. Georges Claude. No. 1,544,373; date of patent June 30, 1925; disclaimer filed Sept. 30, 1932; v. 423; p. 929.

Ammunition, Reversible clip for. John D. Pedersen. No. 1,815,524; date of patent July 21, 1931; disclaimer filed July 18, 1932; v. 421; p. 236.

Basket liner. Enos B. Hiatt. No. 1,593,302; date of patent July 20, 1926; disclaimer filed May 31, 1932; v. 420; p. 9.

Bearing-Shim. Charles Reuben Short. No. 1,383,035; date of patent June 28, 1921; disclaimer filed Oct. 18, 1932; v. 424; p. 620.

Blower or compressor, Rotary. Adolf Meyer. No. 1,900,690; date of patent March 21, 1926; disclaimer filed Mar. 26, 1932; v. 417; p. 582.

Boiler, Watertube. Charles U. Savoye and Howard J. Kerr. No. 1,788,207; date of patent Jan. 6, 1931; disclaimer filed June 3, 1932; v. 420; p. 10.

Box, Collapsible. Ralph A. Gross. No. 1,690,109; date of patent Nov. 6, 1928; disclaimer filed May 21, 1932; v. 419; p. 299.

Brake, Hydraulic. William W. MacDonald. No. 1,454,397; date of patent May 8, 1923; disclaimer filed May 25, 1932; v. 419; p. 299.

Bucket, Excavating. Francis H. Hunt. No. 1,870,050; date of patent Aug. 2, 1932; disclaimer filed Nov. 11, 1932; v. 425; p. 8.

Call-distributing systems. George G. Light, Herbert W. Drake, Maurice A. Rund, and William B. Blanton. No. 1,778,679; date of patent Oct. 14, 1930; disclamer filed Feb. 4, 1932; v. 416; p. 542.

Carburetting apparatus. Milton E. Chandler. No. 1,656,389; date of patent Jan. 17, 1928; disclaimer filed Aug. 10, 1932; v. 422; p. 10.

Carriage roll release for hectograph machine. John P. Pedersen. No. 1,815,524; date of patent Aug. 25, 1931; disclaimer filed Nov. 3, 1932; v. 424; p. 819.

Car-truck side frame. George T. Johnson and Harry W. Sterling. No. 1,741,845; date of patent Dec. 21, 1929; disclaimer filed Mar. 17, 1932; v. 417; p. 276.

Cars, Tank for railway. Walter P. Murphy. No. 1,859,359; date of patent May 24, 1932; disclaimer filed Nov. 19, 1932; v. 425; p. 218.

Cathode, Oxide. Johannes Bruijnes, Jacob van der Hoeven. No. 1,779,374; date of patent Oct. 27, 1931; disclaimer filed July 13, 1932; v. 421; p. 236.

Cellulose materials, Treatment of. André Thriet. No. 1,879,378; date of patent Sept. 30, 1930; disclaimer filed Sept. 9, 1932; v. 423; p. 8.

Chair, Aisle. Joseph B. Kaussal. No. 1,575,690; date of patent Mar. 9, 1926; disclaimer filed Apr. 9, 1932; v. 418; p. 278.

Circuit breaker. Carl Eric Anderson and William K. Keefe, Jr. No. 1,656,851; date of patent Jan. 17, 1928; disclaimer filed Apr. 21, 1932; v. 418; p. 278.

Closure. James S. Reid. No. 1,806,218; date of patent May 19, 1931; disclaimer filed Apr. 5, 1932; v. 418; p. 854.

Clutch device. Hubert A. Myers. Re. 16,565; date of patent Mar. 1, 1927; disclaimer filed Apr. 6, 1932; v. 418; p. 10.

Clutch-pulley connector. John Reid. No. 1,716,738; date of patent June 11, 1929; disclaimer filed Nov. 7, 1932; v. 425; p. 8.

Coil-winding apparatus. Jacob J. Vienneau. No. 1,834,811; date of patent Dec. 1, 1931; disclaimer filed Jan. 22, 1932; v. 416; p. 8.

Composition and method for manufacturing same, Fibrous. Earl P. Stevenson and Harry A. Buron. No. 1,771,150; date of patent July 22, 1930; disclaimer filed July 9, 1932; v. 423; p. 8.

Conduit-threading machine. Daniel Kelleher. No. 1,645,285; date of patent Oct. 11, 1927; disclaimer filed Mar. 24, 1932; v. 417; p. 582.

Control, Automatic temperature. Ernest J. Lees. No. 1,807,101; date of patent May 26, 1931; disclaimer filed Dec. 2, 1932; v. 425; p. 10.

Conveyer, Pneumatic. Russell C. Mahon. No. 1,641,181; date of patent Sept. 6, 1927; disclaimer filed Sept. 19, 1932; v. 423; p. 619.

Conveyer-picker. Edwin Archer Turner. No. 1,814,648; date of patent July 14, 1931; disclaimer filed Jan. 27, 1932; v. 416; p. 8.

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